

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053542.D
 Acq On : 28 Jan 2019 13:41
 Operator : JC/SP
 Sample : VN0128WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 9:52:38 AM

Quant Time: Jan 29 07:19:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	722659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1140986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	981984	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	460626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	385874	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
35) Dibromofluoromethane	7.59	113	359525	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
50) Toluene-d8	10.09	98	1318690	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	12.40	95	441683	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109221	18.798	ug/l	100
3) Chloromethane	2.06	50	160921	19.371	ug/l	99
4) Vinyl Chloride	2.19	62	155481	19.417	ug/l	100
5) Bromomethane	2.57	94	98843	17.990	ug/l	99
6) Chloroethane	2.71	64	95482	19.722	ug/l	99
7) Trichlorofluoromethane	3.02	101	218201	20.832	ug/l	99
8) Diethyl Ether	3.41	74	89110	22.652	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.77	101	134482	20.274	ug/l	99
10) Methyl Iodide	3.96	142	209298	20.647	ug/l	100
11) Tert butyl alcohol	4.78	59	61214	175.142	ug/l #	84
12) 1,1-Dichloroethene	3.74	96	133433	20.739	ug/l	99
13) Acrolein	3.61	56	53378	93.885	ug/l	98
14) Allyl chloride	4.33	41	225519	21.579	ug/l	99
15) Acrylonitrile	4.99	53	290376	126.241	ug/l	99
16) Acetone	3.82	43	194006	115.767	ug/l	100
17) Carbon Disulfide	4.06	76	349932	17.985	ug/l	99
18) Methyl Acetate	4.33	43	152234	26.963	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	405206	23.703	ug/l	100
20) Methylene Chloride	4.55	84	160933	21.034	ug/l	96
21) trans-1,2-Dichloroethene	5.05	96	142940	20.780	ug/l	99
22) Diisopropyl ether	5.95	45	459171	21.046	ug/l	96
23) Vinyl Acetate	5.90	43	1601778	119.436	ug/l	98
24) 1,1-Dichloroethane	5.85	63	280702	21.764	ug/l	99
25) 2-Butanone	6.84	43	321016	124.306	ug/l	99
26) 2,2-Dichloropropane	6.83	77	198495	20.384	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	170840	21.719	ug/l	99
28) Bromochloromethane	7.20	49	118926	20.931	ug/l	99
29) Tetrahydrofuran	7.21	42	222034	132.069	ug/l	99
30) Chloroform	7.37	83	279266	22.224	ug/l	99
31) Cyclohexane	7.66	56	245696	19.438	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	228711	21.456	ug/l	100
36) 1,1-Dichloropropene	7.79	75	203724	19.606	ug/l	100
37) Ethyl Acetate	6.93	43	146574	24.518	ug/l	100
38) Carbon Tetrachloride	7.78	117	200156	20.346	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	228423	17.785	ug/l	98
40) Benzene	8.04	78	636902	20.170	ug/l	100
41) Methacrylonitrile	7.18	41	84612	24.168	ug/l	97
42) 1,2-Dichloroethane	8.12	62	198110	21.536	ug/l	99
43) Isopropyl Acetate	8.17	43	280519	26.096	ug/l #	84
44) Trichloroethene	8.84	130	181486	20.725	ug/l	97
45) 1,2-Dichloropropane	9.12	63	169622	20.281	ug/l	99
46) Dibromomethane	9.21	93	101163	21.053	ug/l	99
47) Bromodichloromethane	9.40	83	210102	20.791	ug/l	99
48) Methyl methacrylate	9.20	41	117366	21.146	ug/l	93
49) 1,4-Dioxane	9.20	88	34758	641.223	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	685792	116.866	ug/l	98
52) Toluene	10.16	92	387363	19.760	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	211989	20.696	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	248447	20.691	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	149471	22.116	ug/l	98
56) Ethyl methacrylate	10.43	69	190223	21.074	ug/l	99
57) 1,3-Dichloropropane	10.71	76	249462	21.337	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	522335	110.472	ug/l	100
59) 2-Hexanone	10.75	43	450908	109.459	ug/l	100
60) Dibromochloromethane	10.90	129	158667	20.698	ug/l	100
61) 1,2-Dibromoethane	11.01	107	143619	21.011	ug/l	99
64) Tetrachloroethene	10.63	164	160864	17.383	ug/l	98
65) Chlorobenzene	11.44	112	423250	20.363	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	150980	20.880	ug/l	99
67) Ethyl Benzene	11.51	91	706596	19.947	ug/l	99
68) m/p-Xylenes	11.62	106	541411	40.482	ug/l	99
69) o-Xylene	11.95	106	261223	20.101	ug/l	99
70) Styrene	11.97	104	429368	20.357	ug/l	99
71) Bromoform	12.13	173	106226	21.339	ug/l #	99
73) Isopropylbenzene	12.25	105	692459	20.528	ug/l	100
74) N-amyl acetate	12.07	43	193924	21.566	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	180234	25.477	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	139857m	23.040	ug/l	
77) Bromobenzene	12.53	156	184986	20.812	ug/l	99
78) n-propylbenzene	12.59	91	785547	20.288	ug/l	100
79) 2-Chlorotoluene	12.68	91	469794	20.469	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	570499	20.787	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	48233	21.624	ug/l	98
82) 4-Chlorotoluene	12.77	91	478900	20.461	ug/l	99
83) tert-Butylbenzene	12.99	119	504899	20.829	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	577659	20.874	ug/l	99
85) sec-Butylbenzene	13.17	105	684746	20.597	ug/l	100
86) p-Isopropyltoluene	13.29	119	591947	20.507	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	318470	20.369	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	314862	20.076	ug/l	100
89) n-Butylbenzene	13.62	91	498048	20.242	ug/l	100
90) Hexachloroethane	13.88	117	92591	20.453	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	314212	21.844	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26271	29.287	ug/l	99

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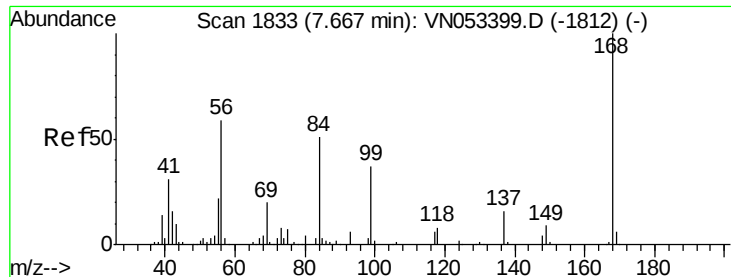
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	185193	30.331	ug/l	98
94) Hexachlorobutadiene	15.01	225	102394	22.819	ug/l	98
95) Naphthalene	15.13	128	438888	40.248	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	177305	39.102	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion:168 Resp: 722659

Ion Ratio Lower Upper

168 100

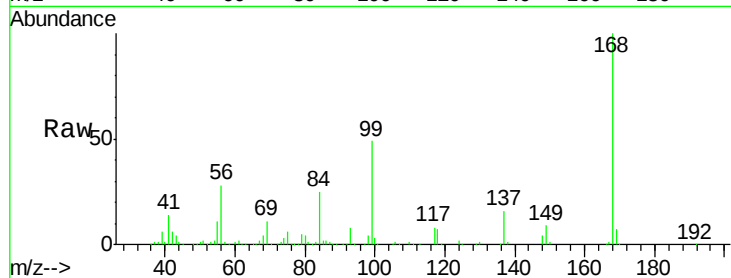
99 49.2 39.1 58.7

Manual Integrations

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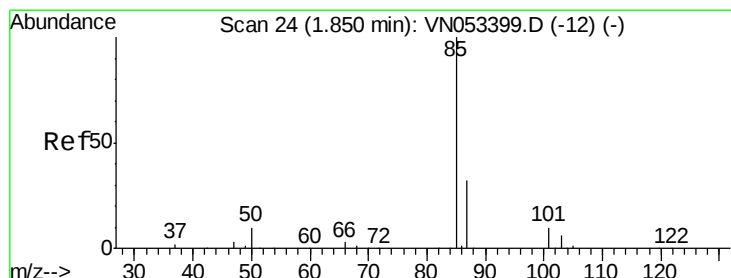
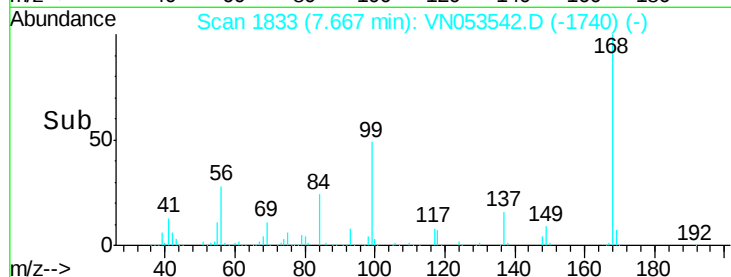
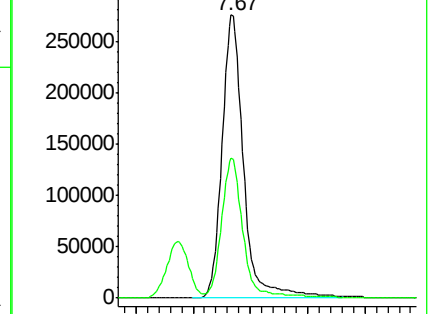
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.798 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053542.D

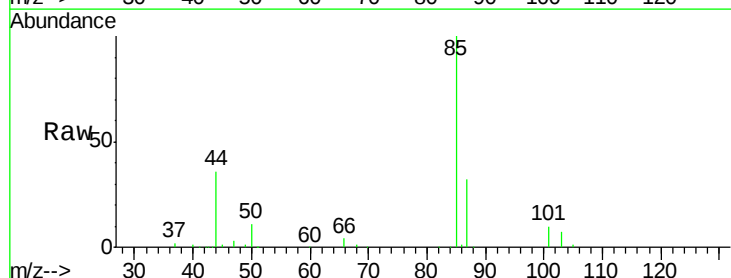
Acq: 28 Jan 2019 13:41

Tgt Ion: 85 Resp: 109221

Ion Ratio Lower Upper

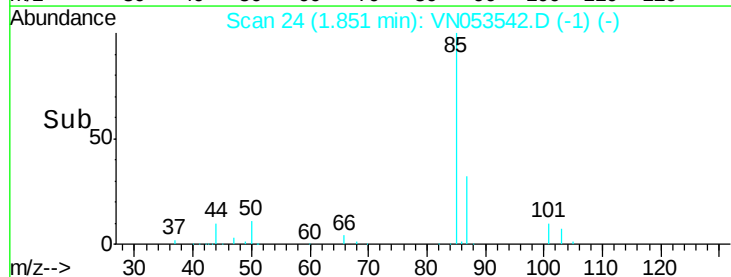
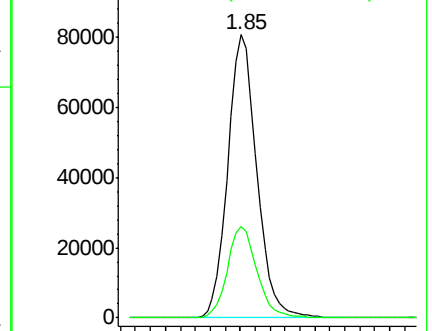
85 100

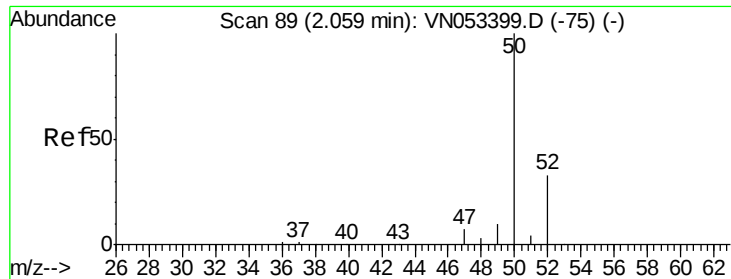
87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.371 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion: 50 Resp: 160921

Ion Ratio Lower Upper

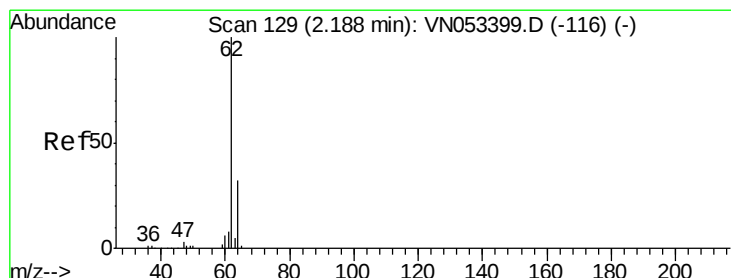
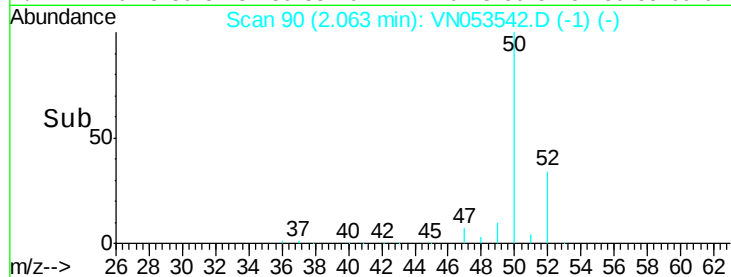
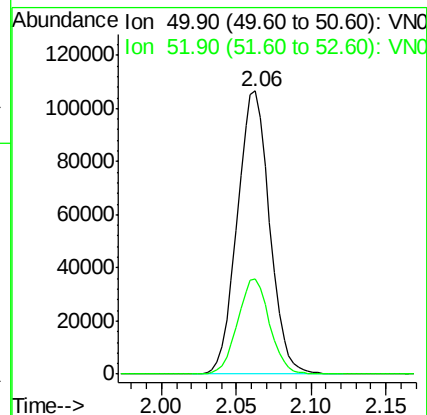
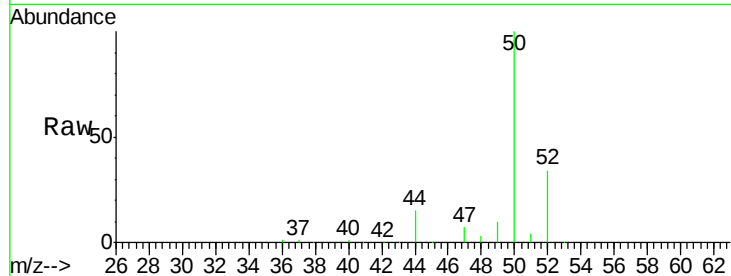
50 100

52 33.8 26.6 40.0

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#4

Vinyl Chloride

Concen: 19.417 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN053542.D

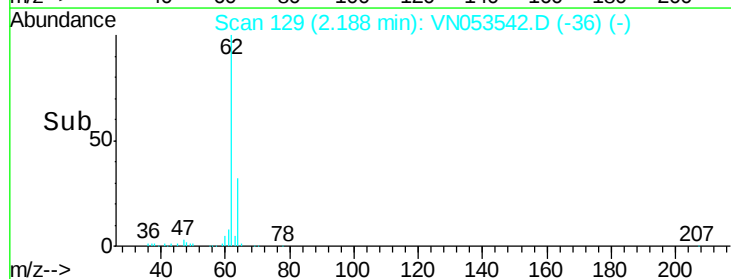
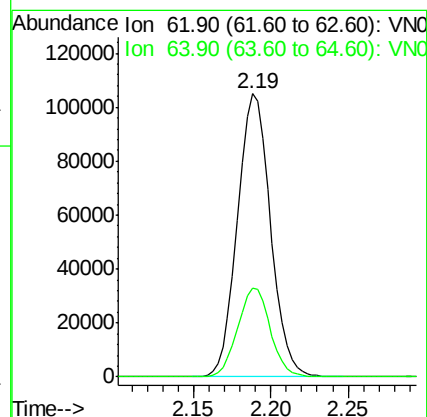
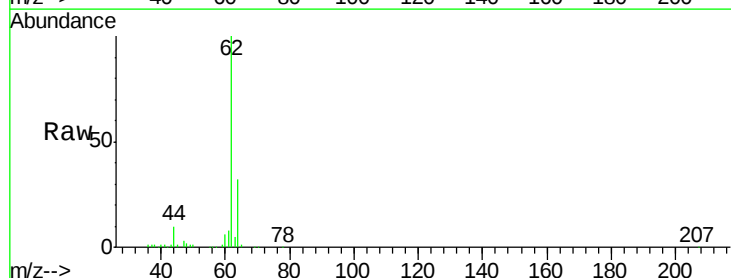
Acq: 28 Jan 2019 13:41

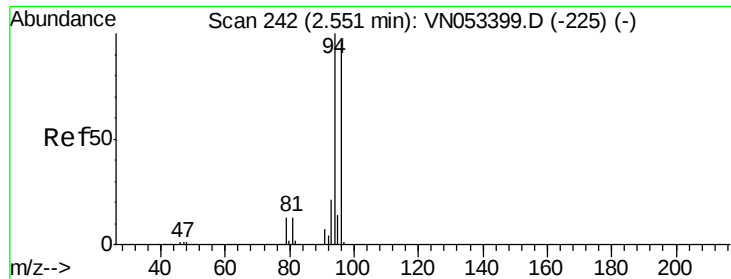
Tgt Ion: 62 Resp: 155481

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.2





#5

Bromomethane

Concen: 17.990 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.02 min

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Acq: 28 Jan 2019 13:41

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 98843

Ion Ratio Lower Upper

94 100

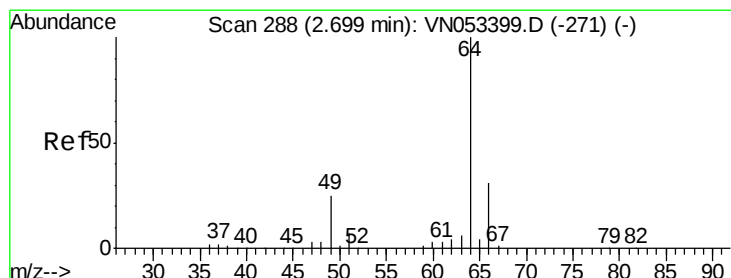
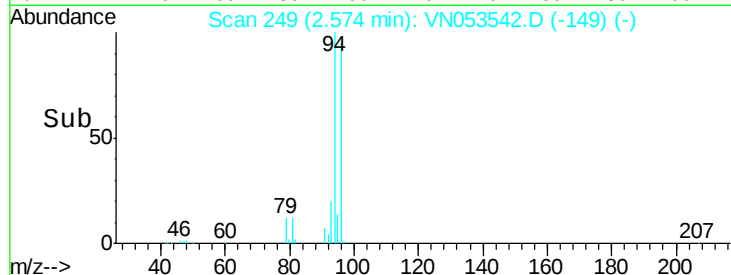
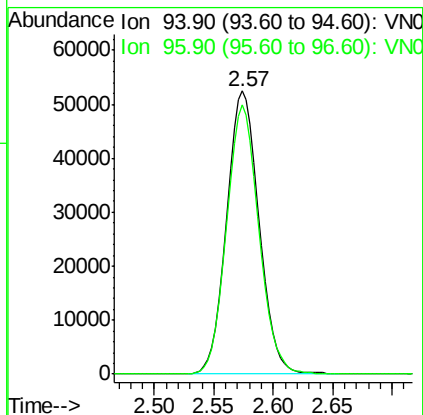
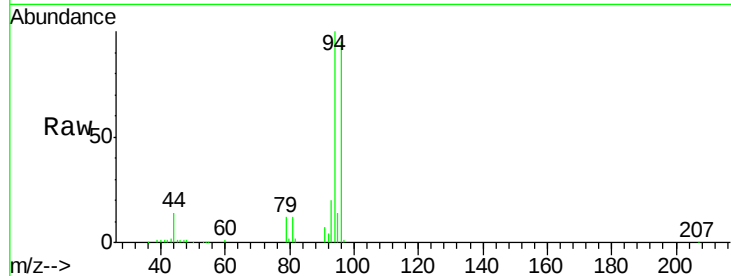
96 95.0 76.8 115.2

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#6

Chloroethane

Concen: 19.722 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.01 min

Lab File: VN053542.D

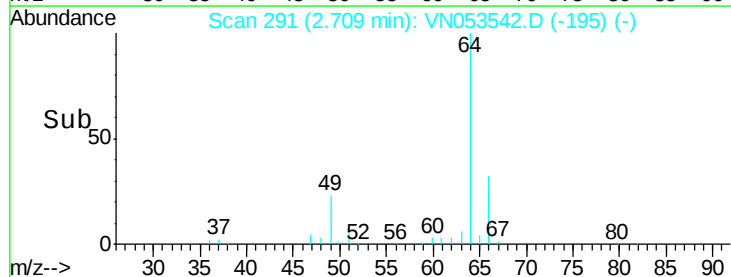
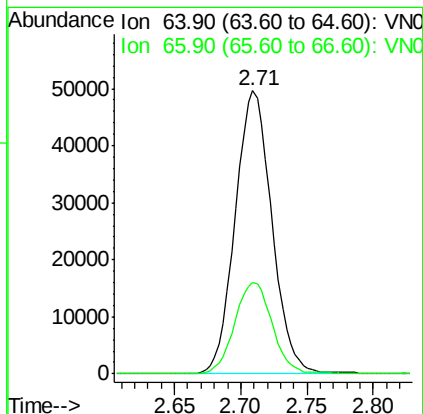
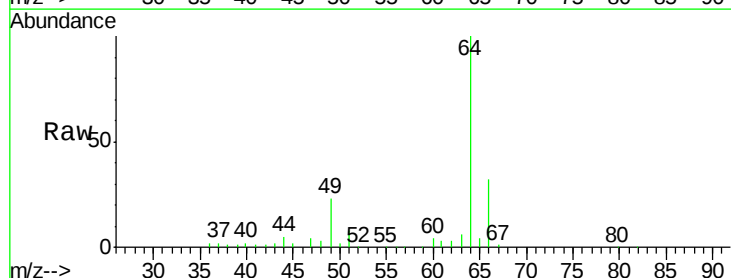
Acq: 28 Jan 2019 13:41

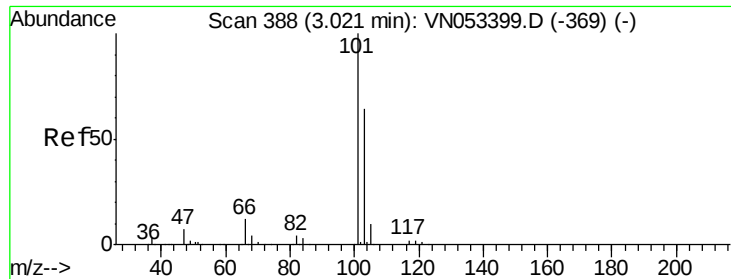
Tgt Ion: 64 Resp: 95482

Ion Ratio Lower Upper

64 100

66 32.1 25.1 37.7





#7

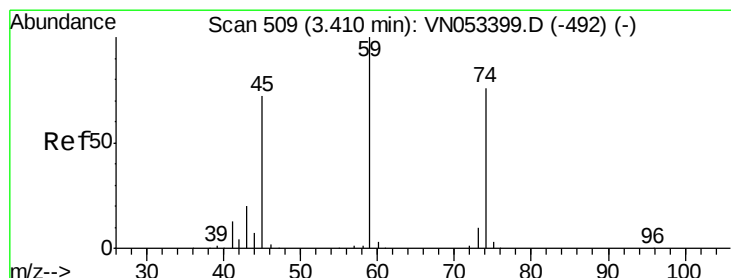
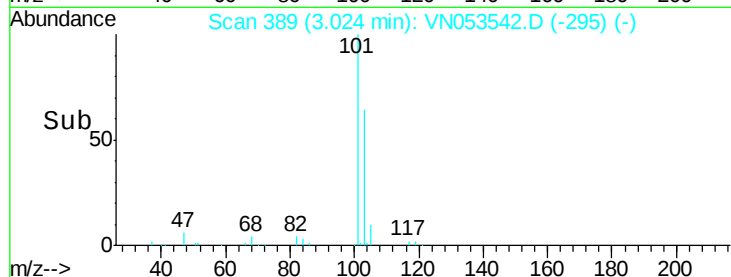
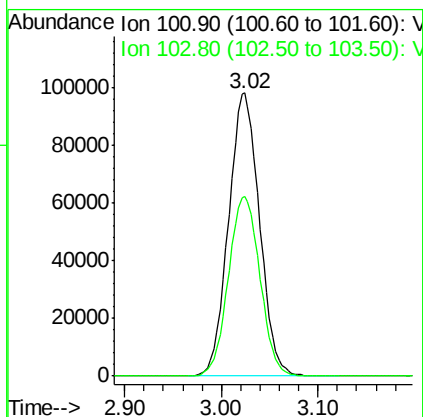
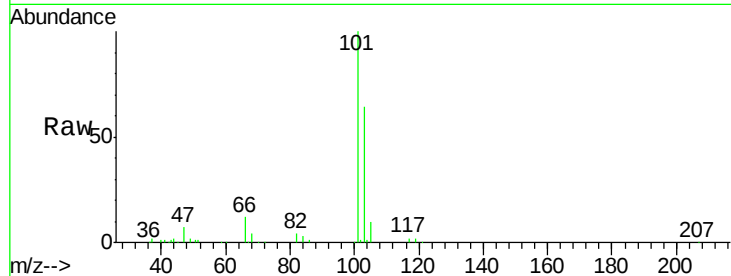
Trichlorofluoromethane
Concen: 20.832 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
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ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	51.6	77.4

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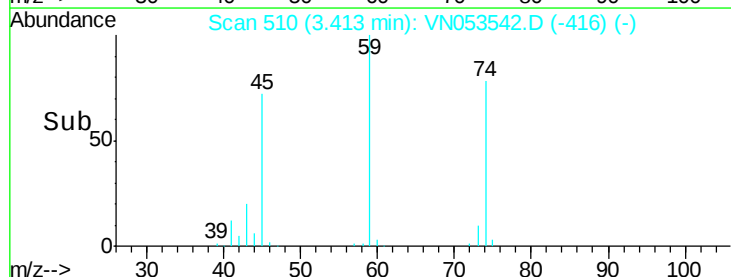
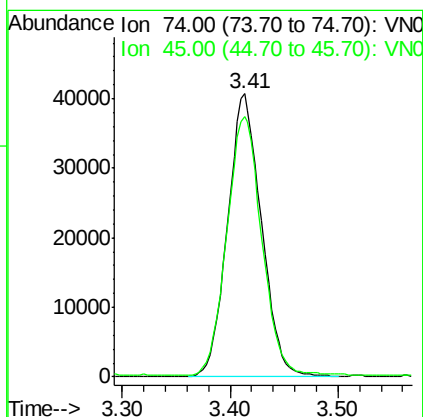
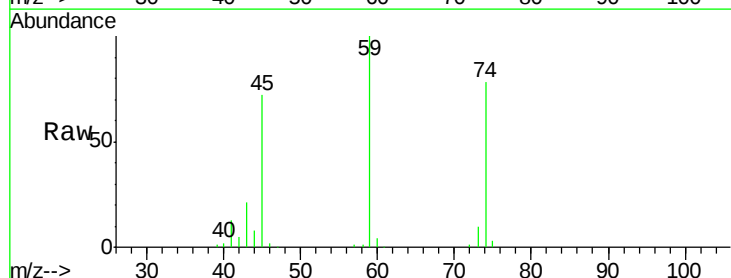
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1/29/2019 9:52:38 AM

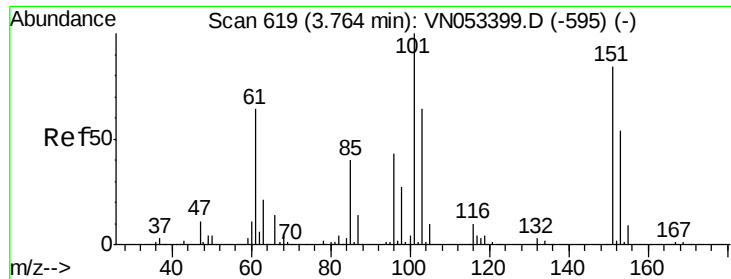


#8

Diethyl Ether
Concen: 22.652 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053542.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	47.9	143.7





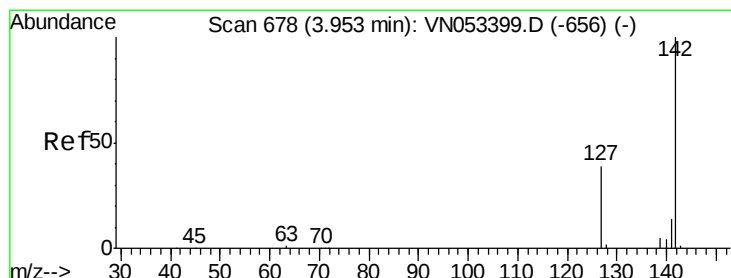
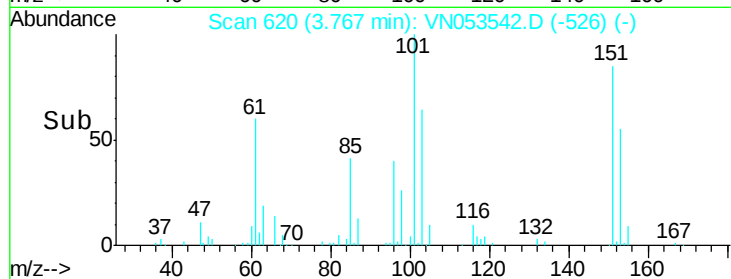
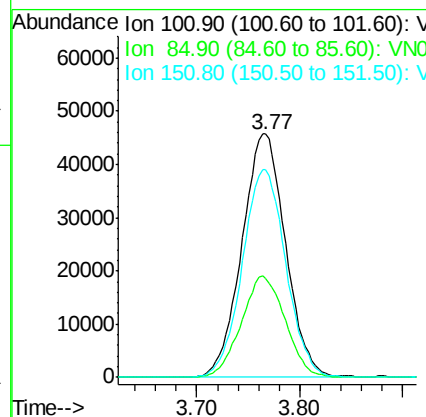
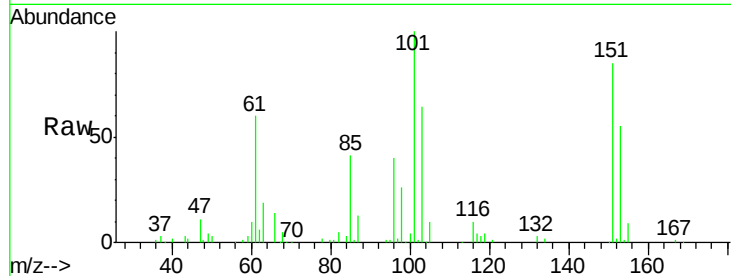
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.274 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	134482		
85	41.8	32.8	49.2	
151	85.1	66.9	100.3	

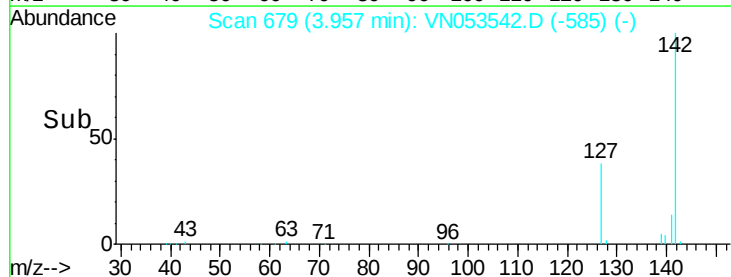
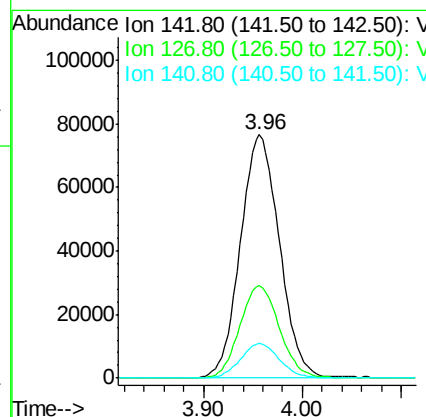
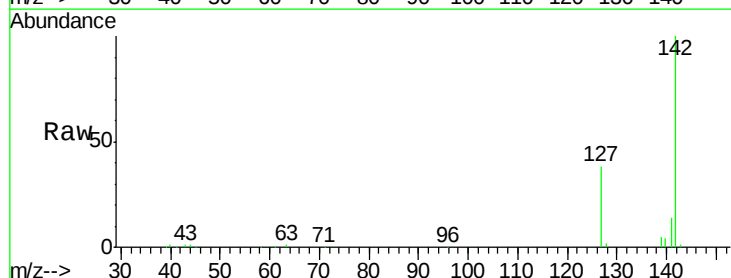
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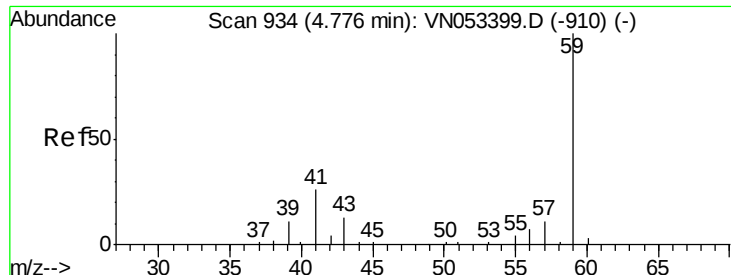
MMDadoda
 1/29/2019 9:52:38 AM



#10
 Methyl Iodide
 Concen: 20.647 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	209298		
127	38.6	31.0	46.4	
141	14.1	11.1	16.7	





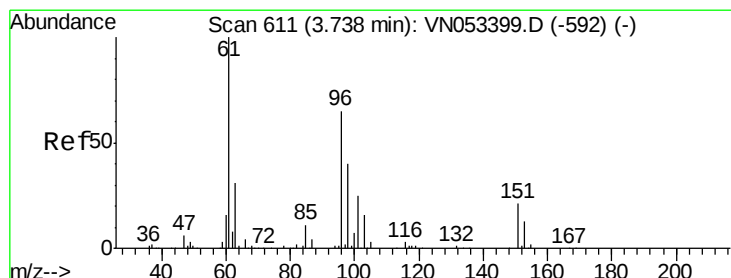
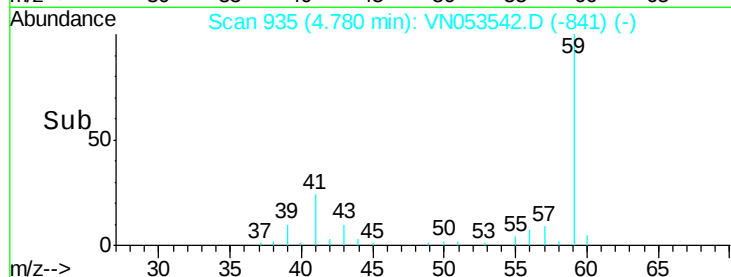
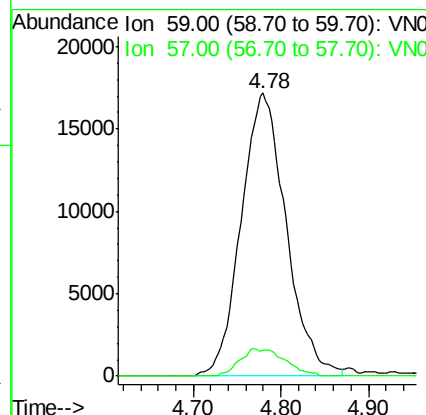
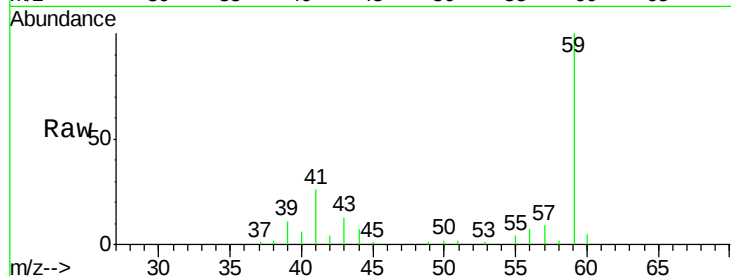
#11
Tert butyl alcohol
Concen: 175.142 ug/l
RT: 4.78 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.5	8.2	12.4#

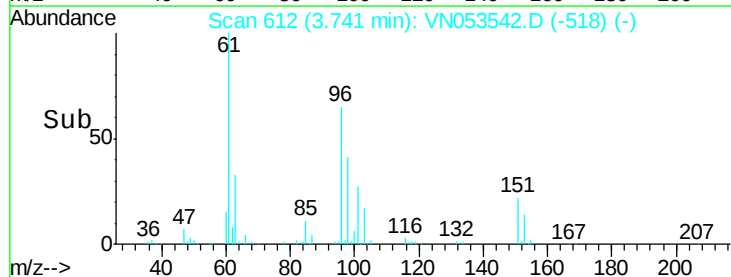
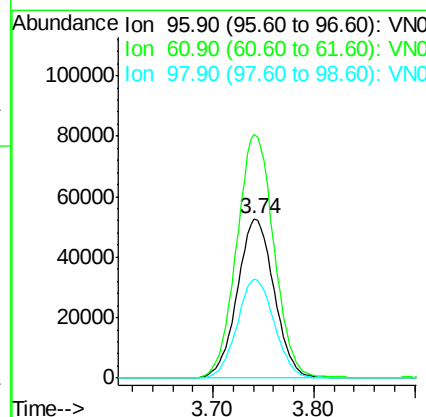
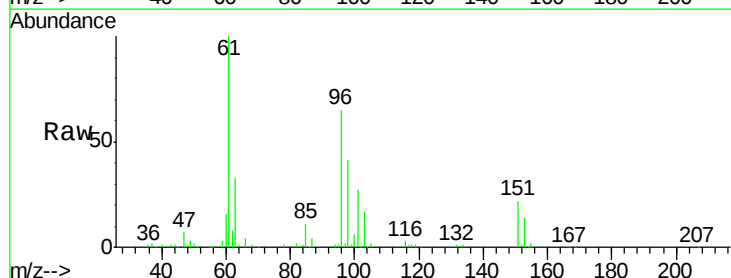
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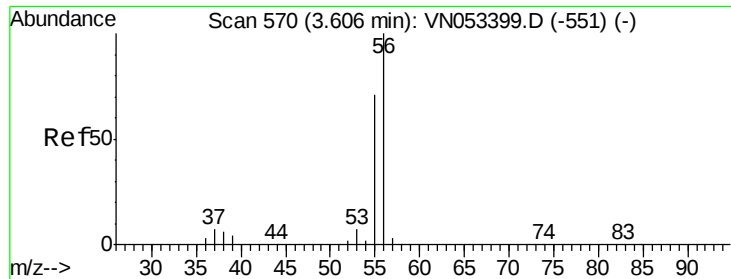
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.739 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.7	122.9	184.3
98	62.1	49.4	74.0





#13

Acrolein

Concen: 93.885 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion: 56 Resp: 53378

Ion Ratio Lower Upper

56 100

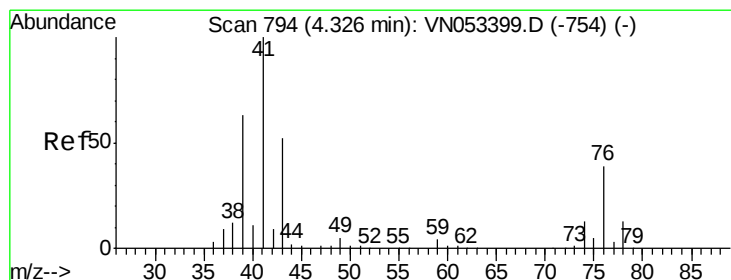
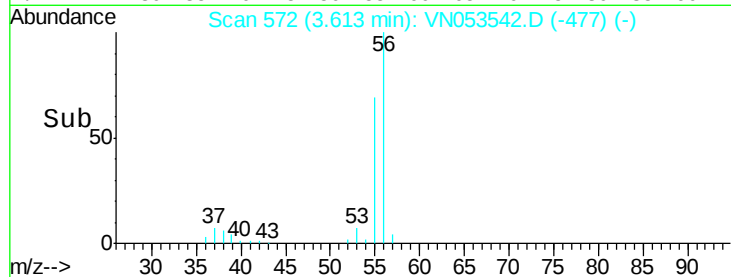
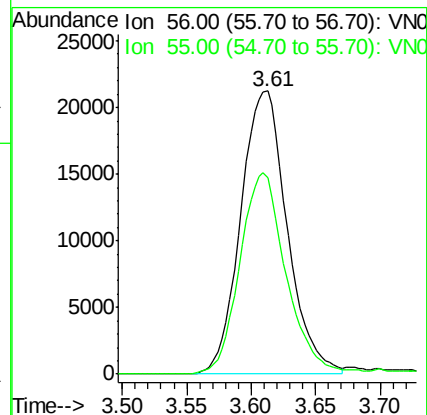
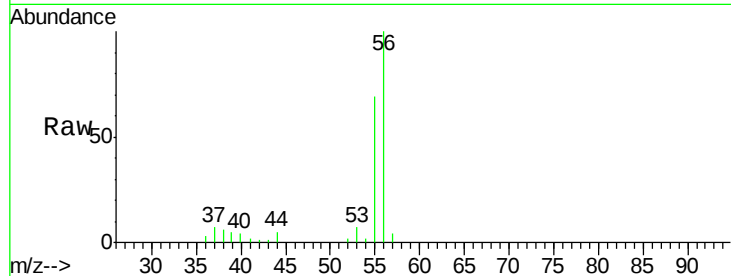
55 70.2 57.4 86.0

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#14

Allyl chloride

Concen: 21.579 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

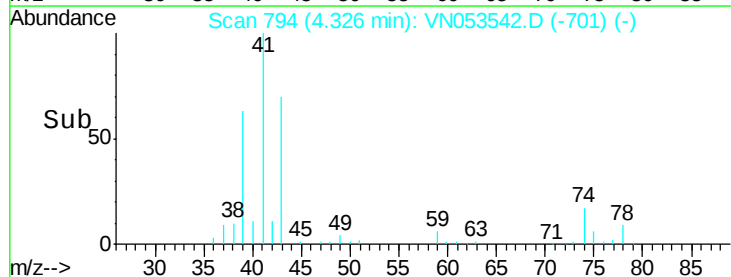
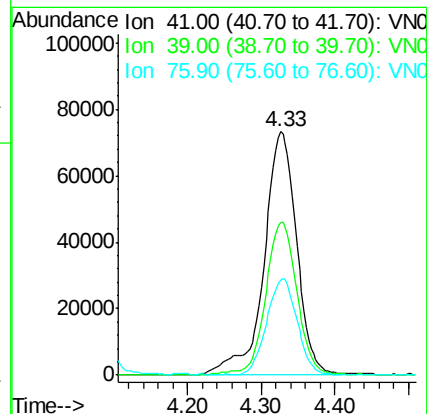
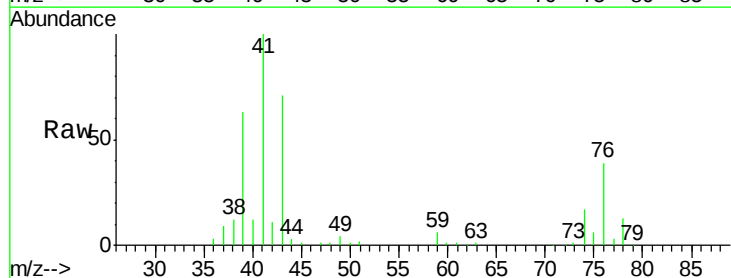
Tgt Ion: 41 Resp: 225519

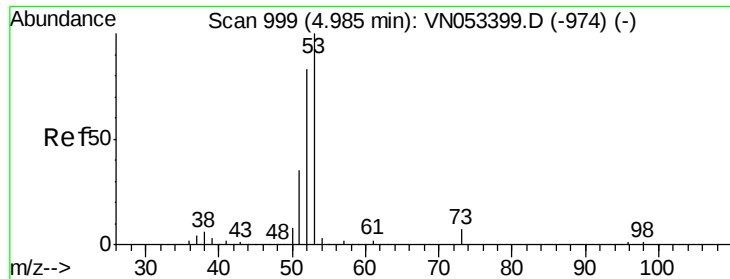
Ion Ratio Lower Upper

41 100

39 60.5 48.9 73.3

76 37.0 29.4 44.2





#15

Acrylonitrile

Concen: 126.241 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

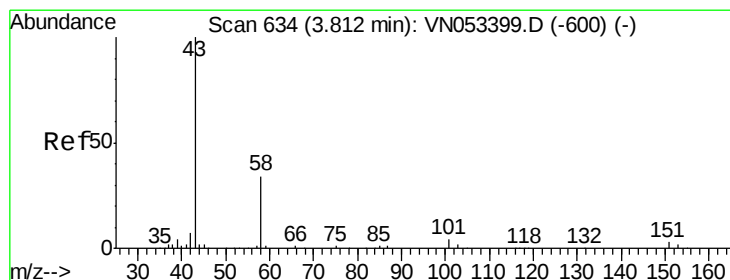
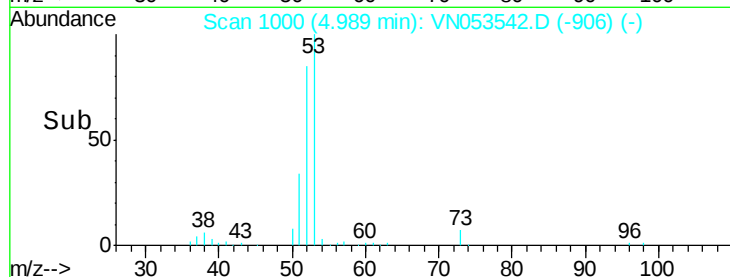
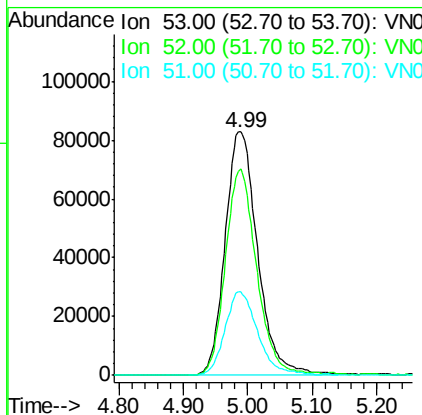
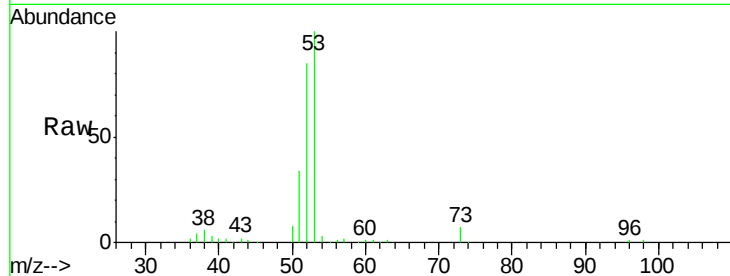
ClientSampleId :

VN0128WBS01

Tot Ion:	53	Resp:	290376
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.0	99.0
51	34.8	28.3	42.5

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#16

Acetone

Concen: 115.767 ug/l

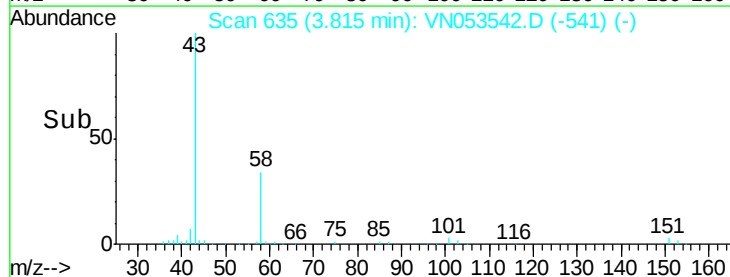
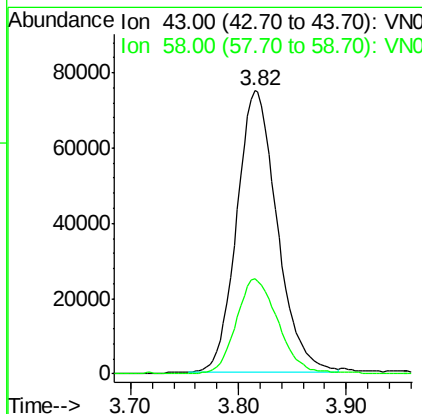
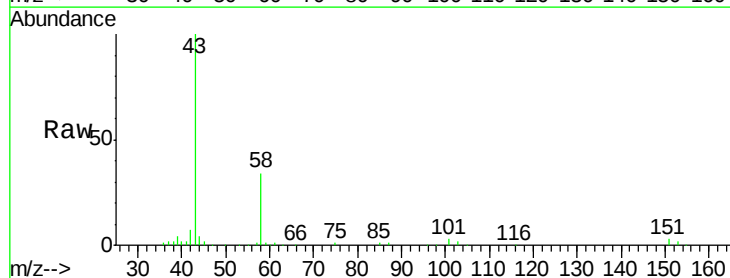
RT: 3.82 min Scan# 635

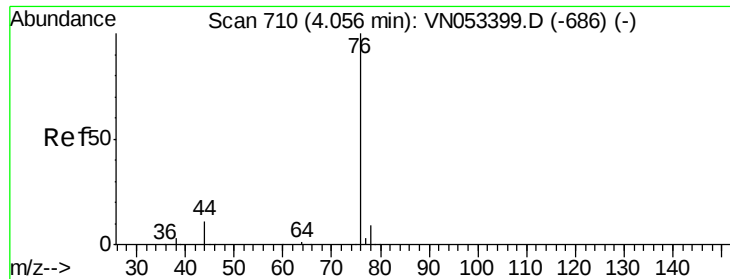
Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Tgt Ion:	43	Resp:	194006
Ion Ratio	Lower	Upper	
43	100		
58	33.9	27.1	40.7





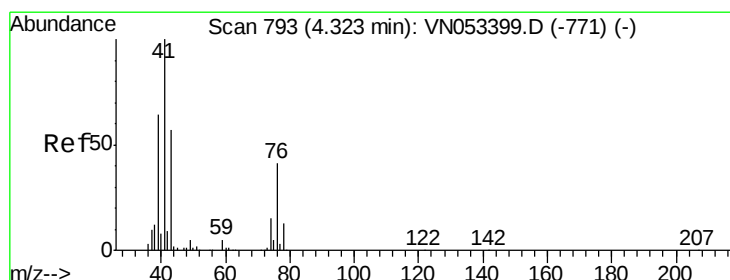
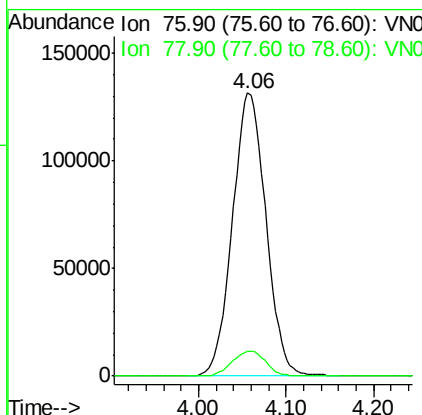
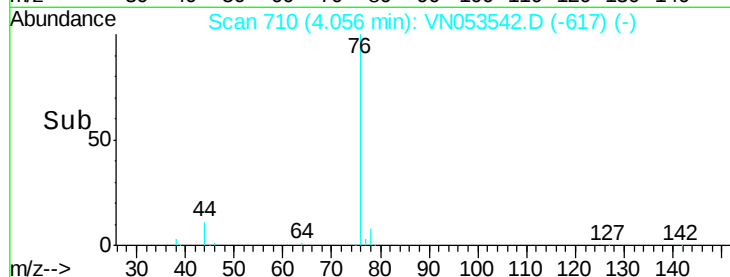
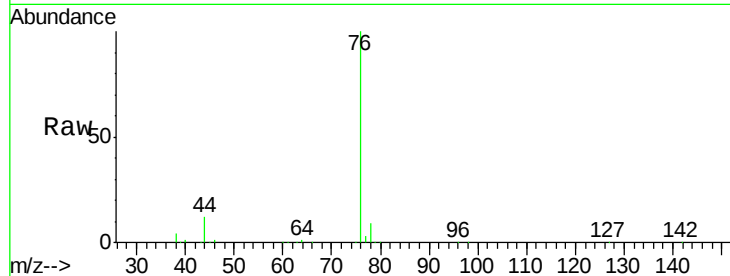
#17
Carbon Disulfide
Concen: 17.985 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

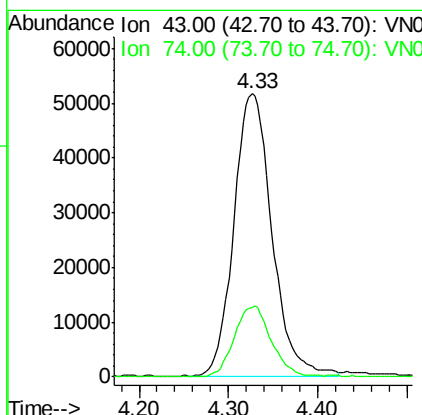
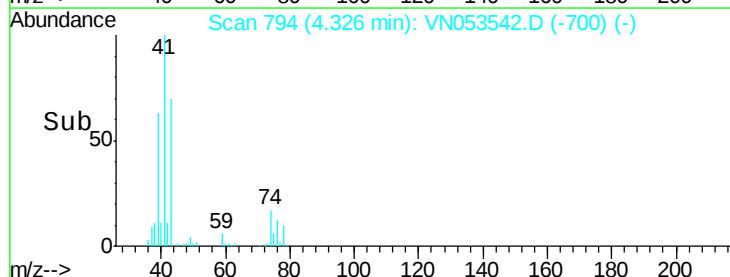
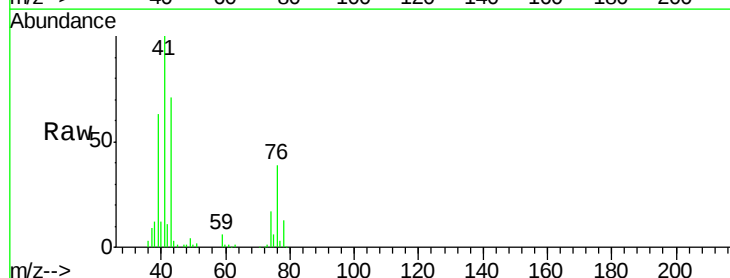
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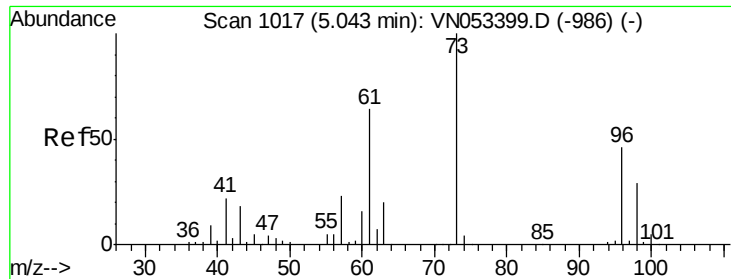
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#18
Methyl Acetate
Concen: 26.963 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.4	29.2





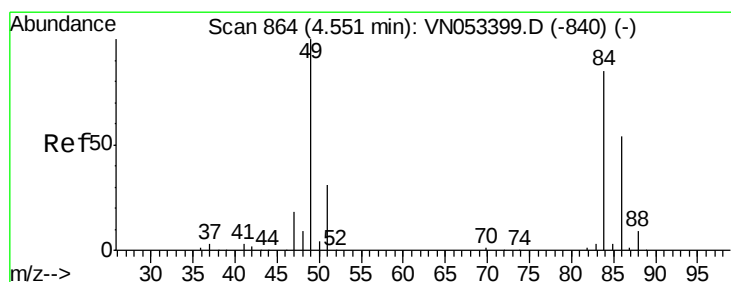
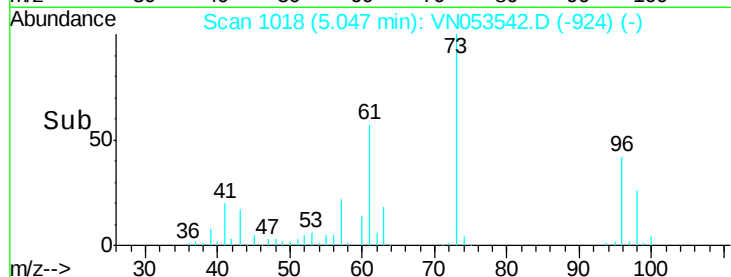
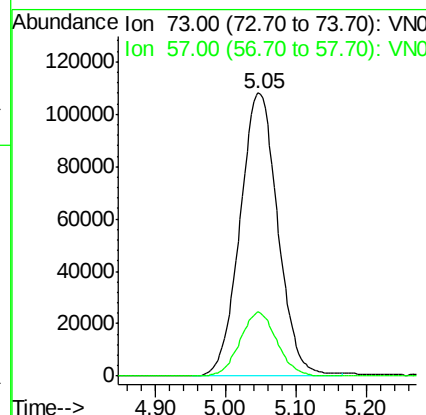
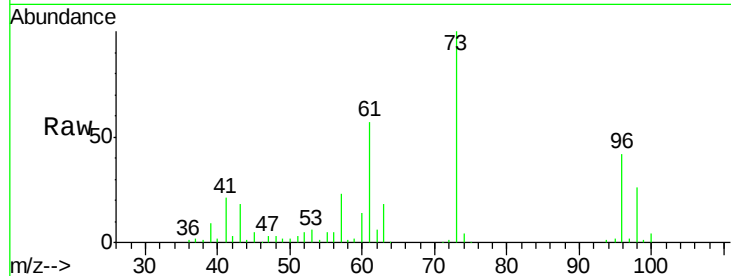
#19
Methvl tert-butvl Ether
Concen: 23.703 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion: 73 Resp: 405206
Ion Ratio Lower Upper
73 100
57 22.7 18.3 27.5

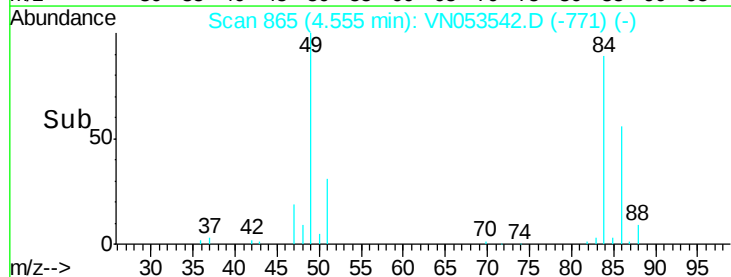
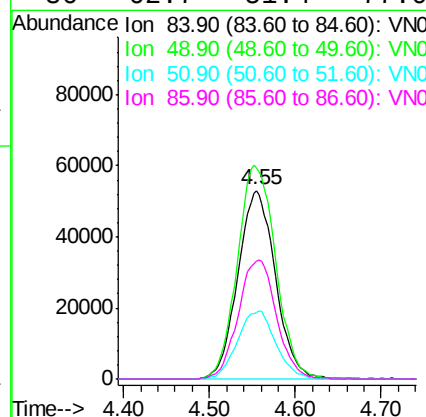
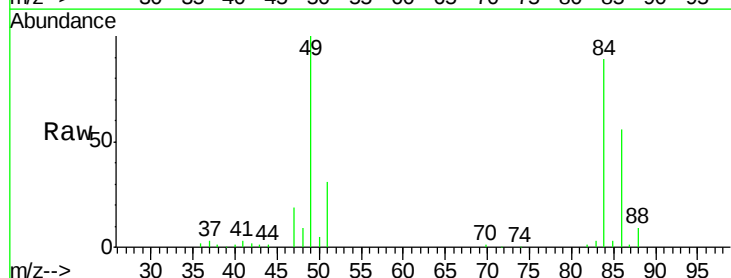
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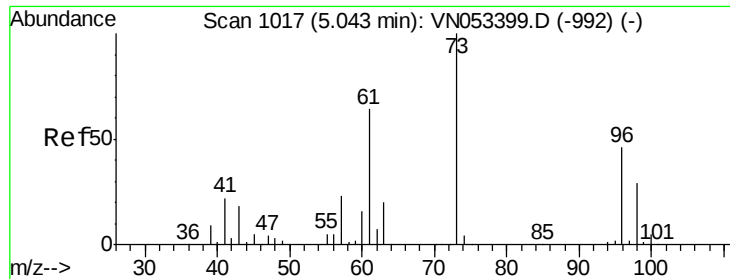
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#20
Methylene Chloride
Concen: 21.034 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 84 Resp: 160933
Ion Ratio Lower Upper
84 100
49 112.4 94.3 141.5
51 35.1 29.4 44.2
86 62.7 51.4 77.0





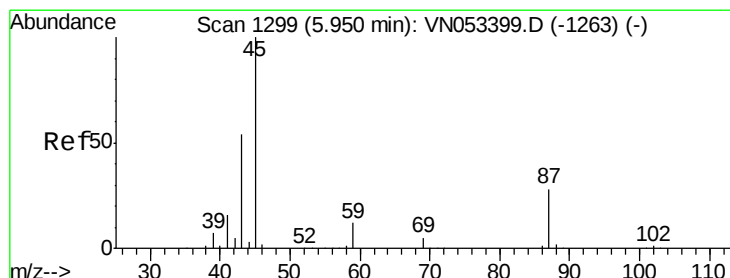
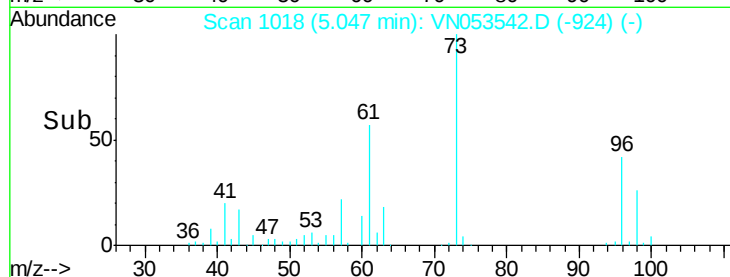
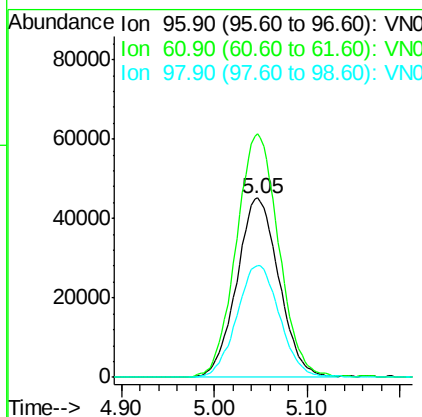
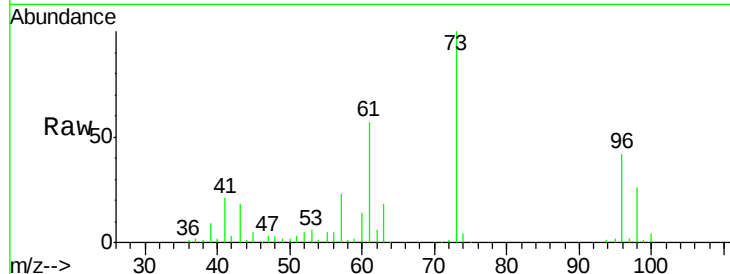
#21
trans-1,2-Dichloroethene
Concen: 20.780 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.8	110.1	165.1
98	62.6	50.0	75.0

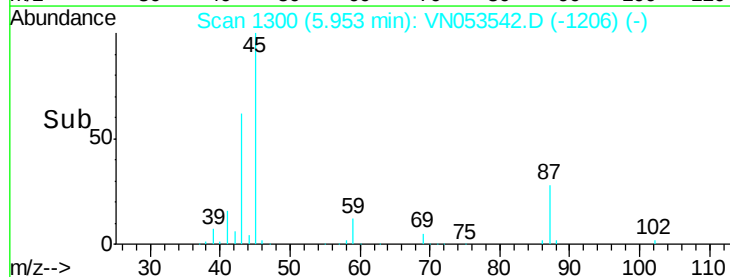
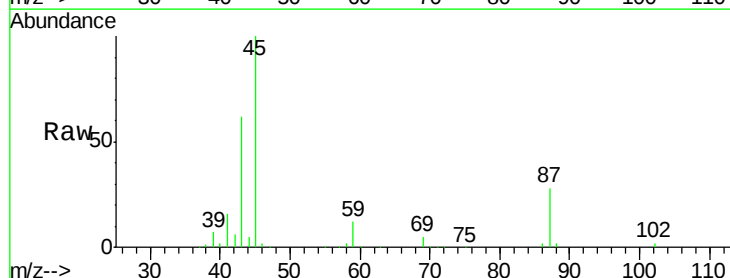
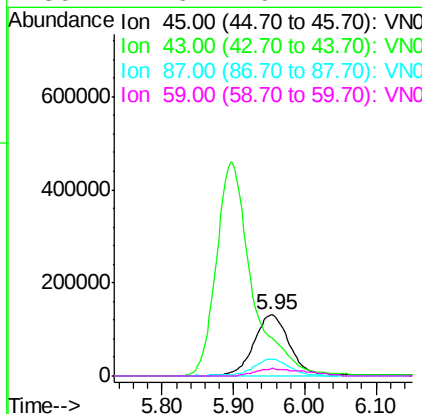
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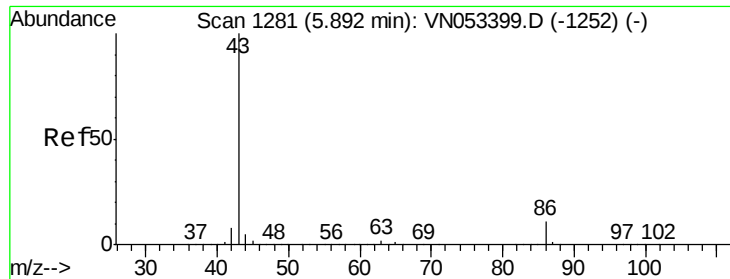
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#22
Diisopropyl ether
Concen: 21.046 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.5	44.2	66.4
87	27.3	22.7	34.1
59	11.6	9.4	14.2





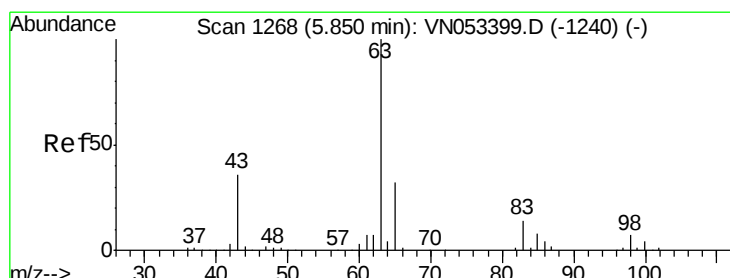
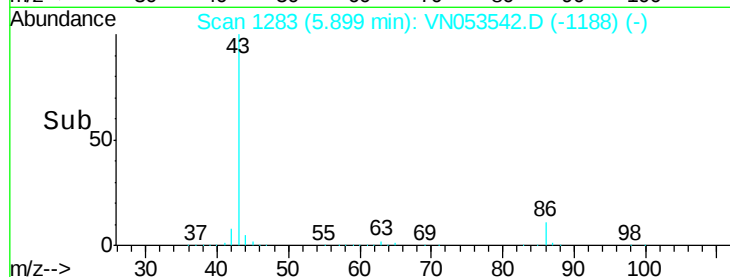
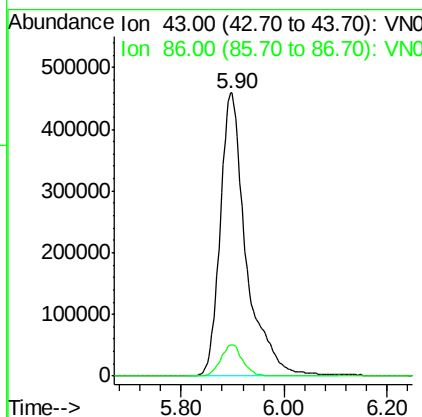
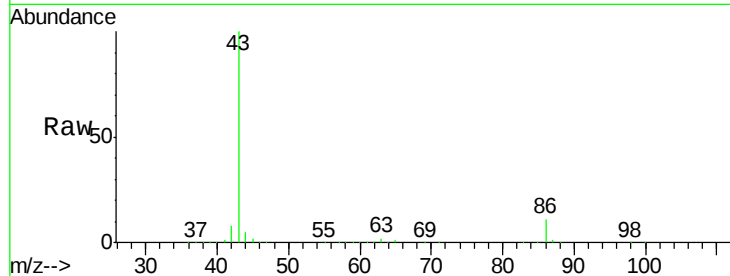
#23
 Vinyl Acetate
 Concen: 119.436 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion: 43 Resp: 1601778
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.4 12.6

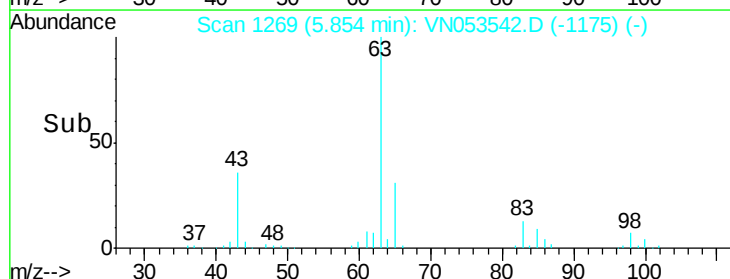
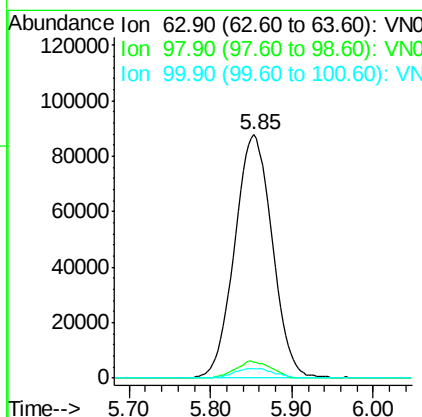
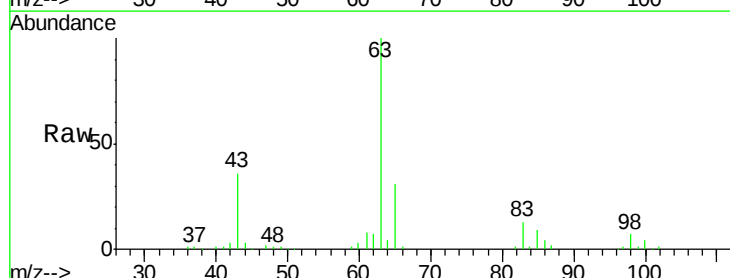
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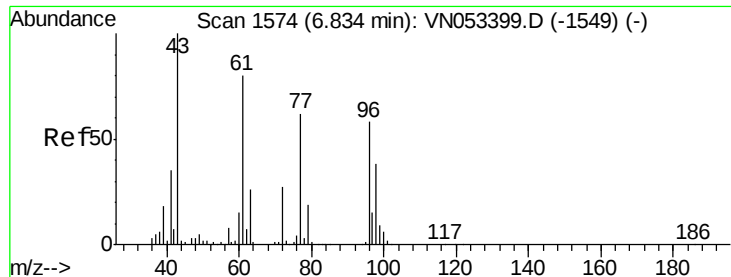
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#24
 1,1-Dichloroethane
 Concen: 21.764 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion: 63 Resp: 280702
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 3.8 2.1 6.5





#25

2-Butanone

Concen: 124.306 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion: 43 Resp: 321016

Ion Ratio Lower Upper

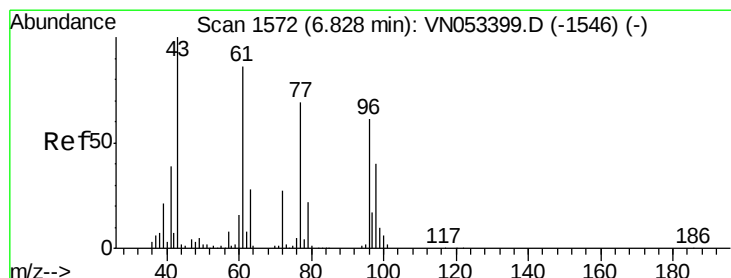
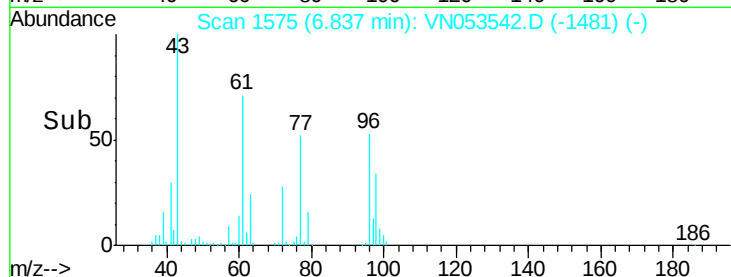
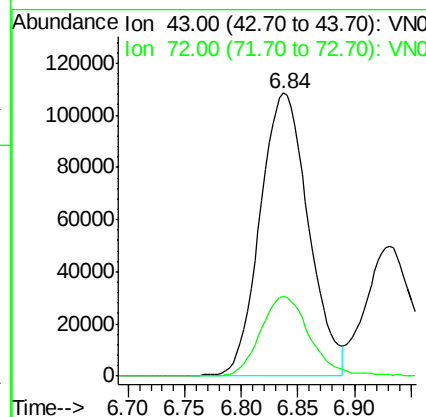
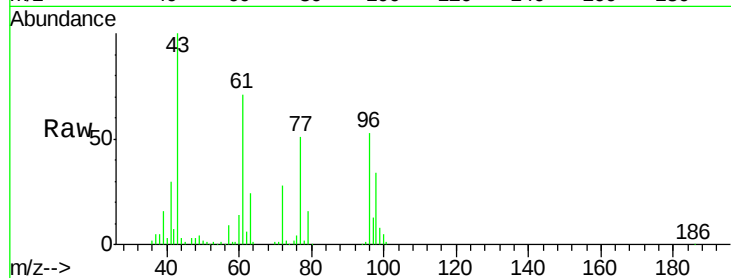
43 100

72 28.2 22.0 33.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.384 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053542.D

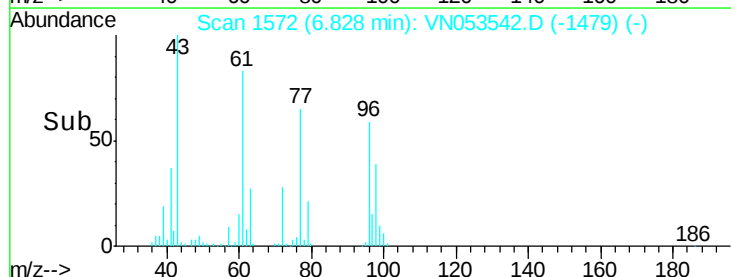
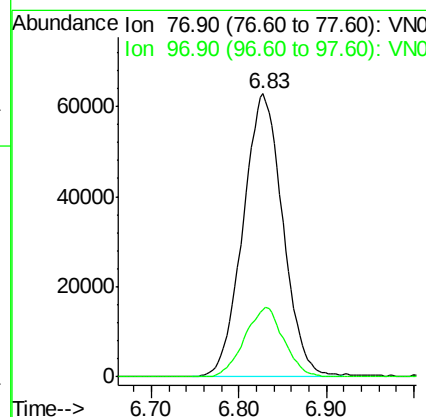
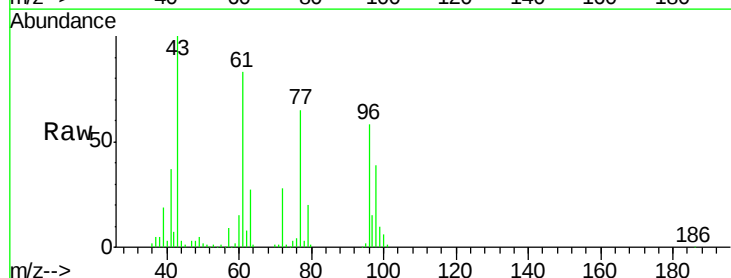
Acq: 28 Jan 2019 13:41

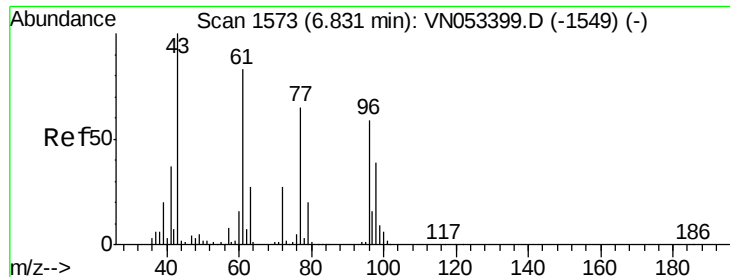
Tgt Ion: 77 Resp: 198495

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 21.719 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

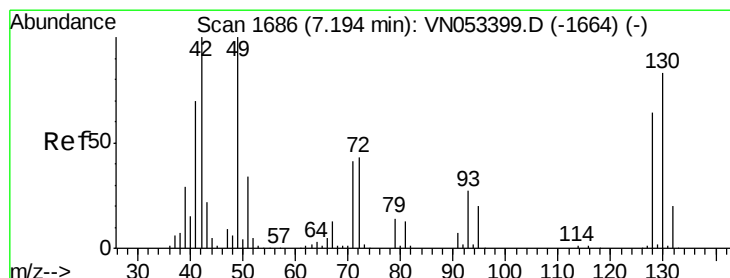
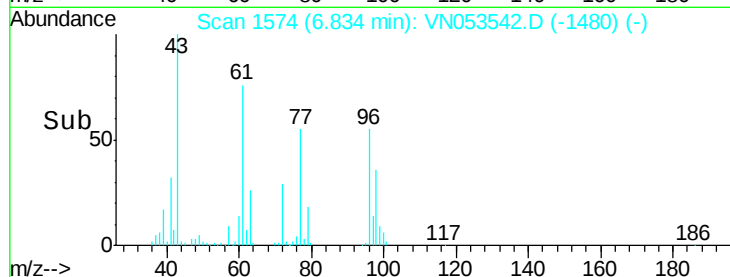
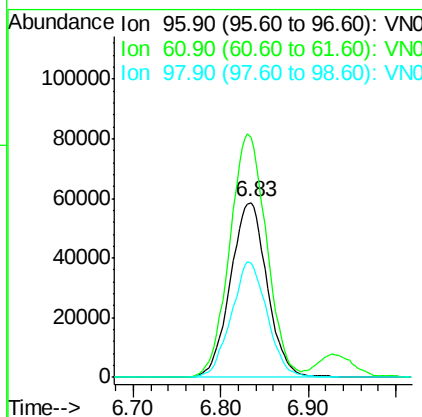
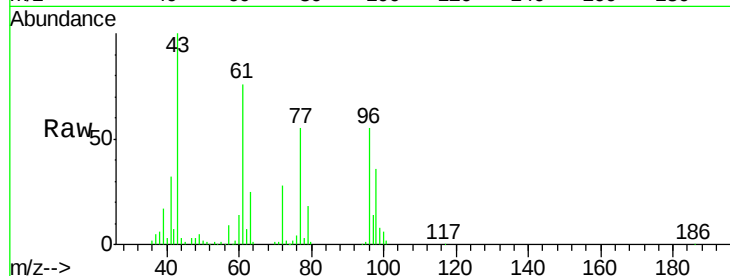
ClientSampleId :

VN0128WBS01

Tot Ion:	96	Resp:	170840
Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	283.8
98	64.7	0.0	129.2

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#28

Bromochloromethane

Concen: 20.931 ug/l

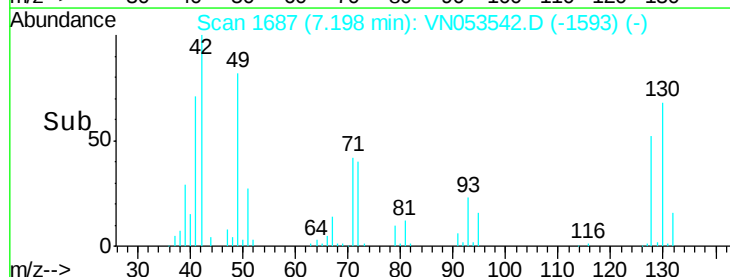
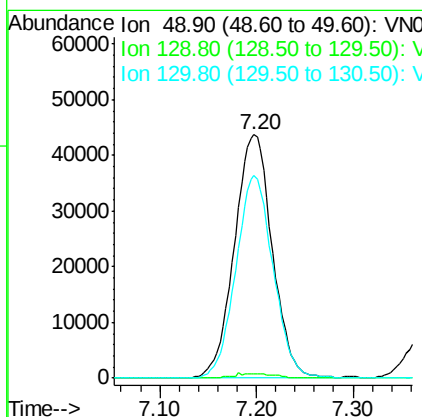
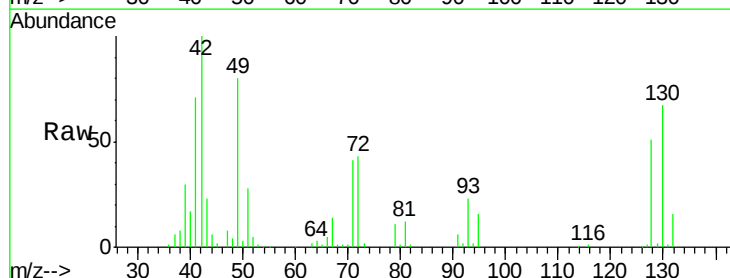
RT: 7.20 min Scan# 1687

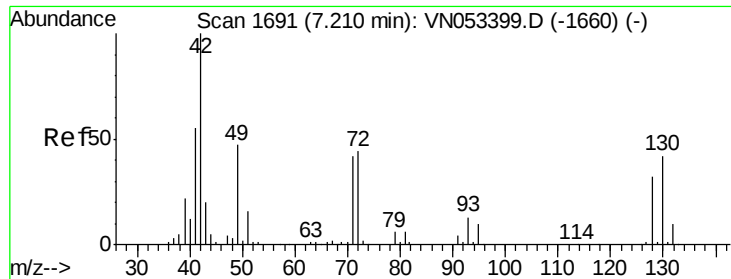
Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Tgt Ion:	49	Resp:	118926
Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.0
130	82.0	66.3	99.5





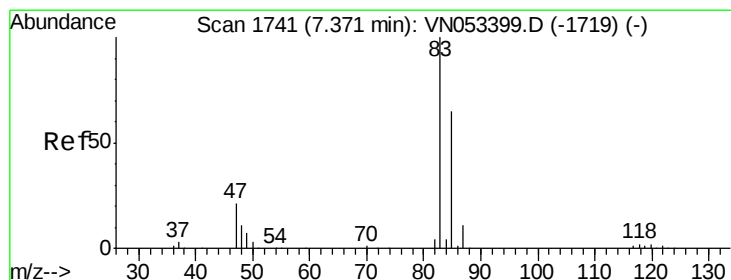
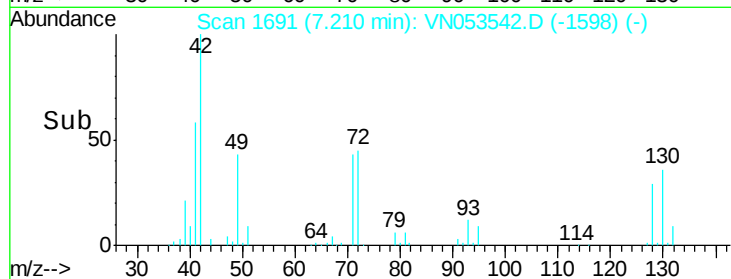
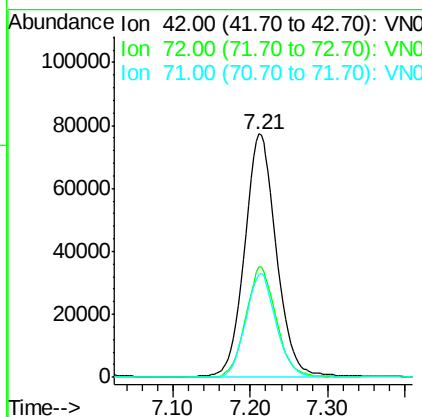
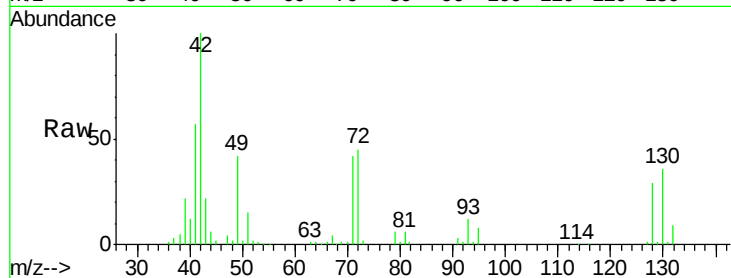
#29
Tetrahydrofuran
Concen: 132.069 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	35.2	52.8
71	40.8	33.0	49.4

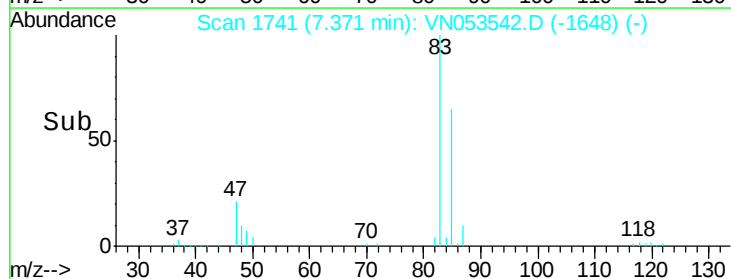
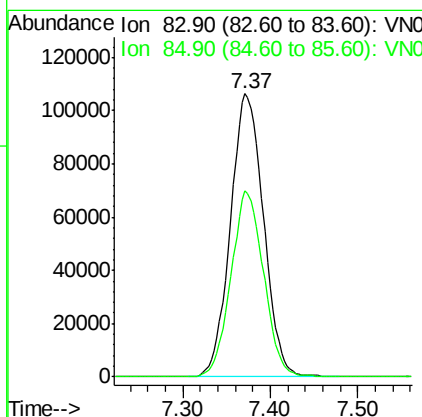
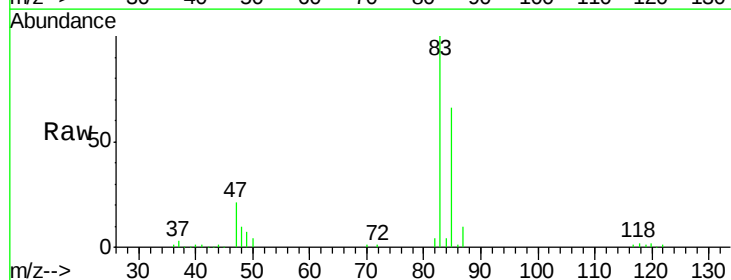
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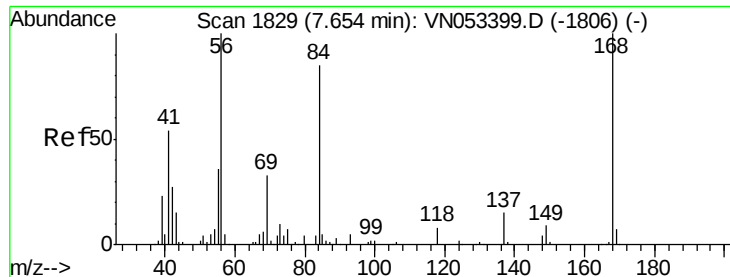
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#30
Chloroform
Concen: 22.224 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.2	78.2





#31

Cyclohexane

Concen: 19.438 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

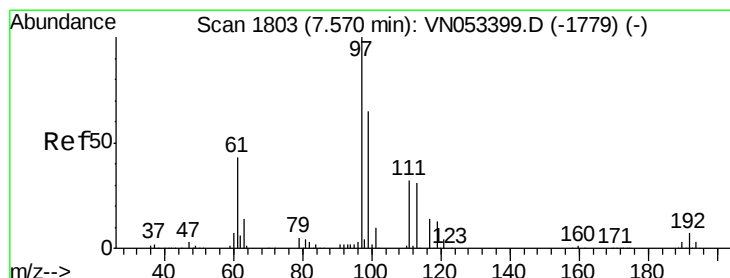
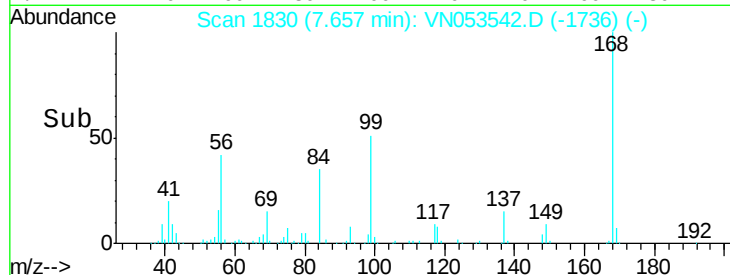
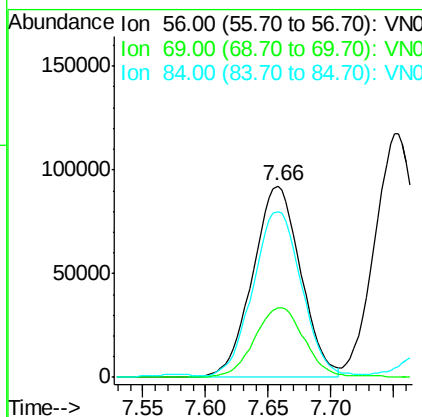
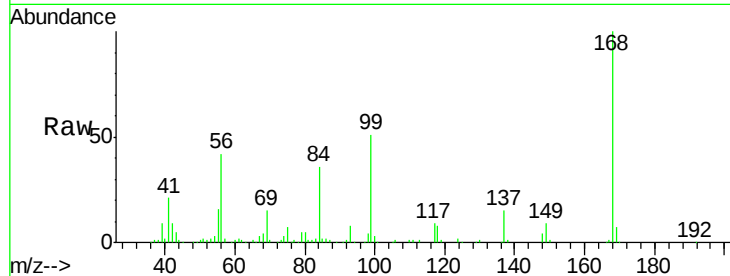
ClientSampleId :

VN0128WBS01

Tot Ion:	56	Resp:	245696
Ion Ratio	Lower	Upper	
56	100		
69	36.4	26.4	39.6
84	85.5	67.9	101.9

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#32

1,1,1-Trichloroethane

Concen: 21.456 ug/l

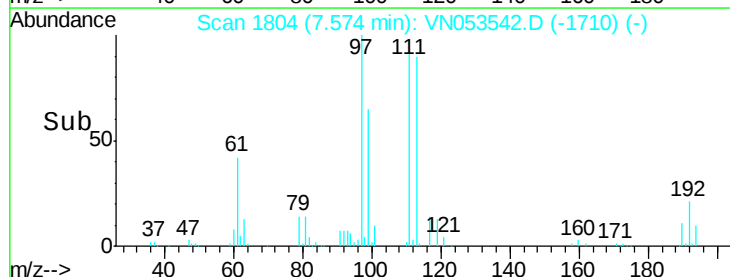
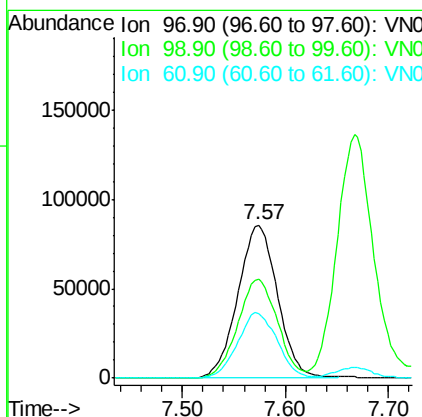
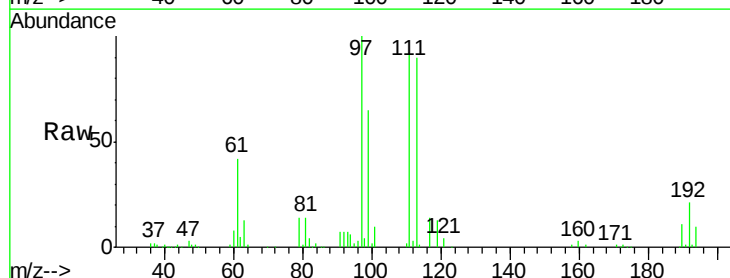
RT: 7.57 min Scan# 1804

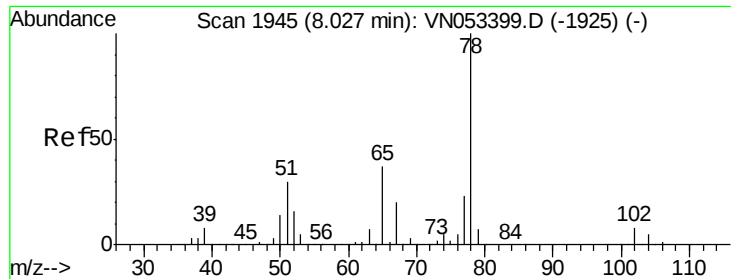
Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Tgt Ion:	97	Resp:	228711
Ion Ratio	Lower	Upper	
97	100		
99	64.7	52.0	78.0
61	42.6	34.4	51.6





#33

1,2-Dichloroethane-d4

Concen: 21.456 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion: 65 Resp: 385874

Ion Ratio Lower Upper

65 100

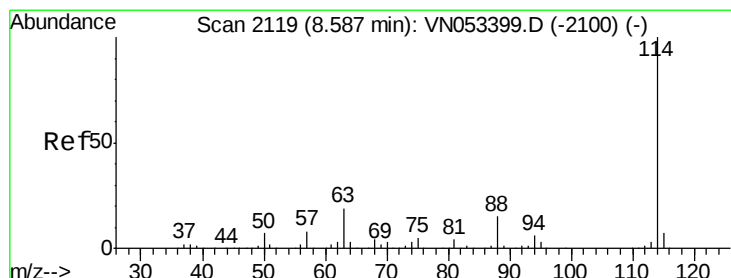
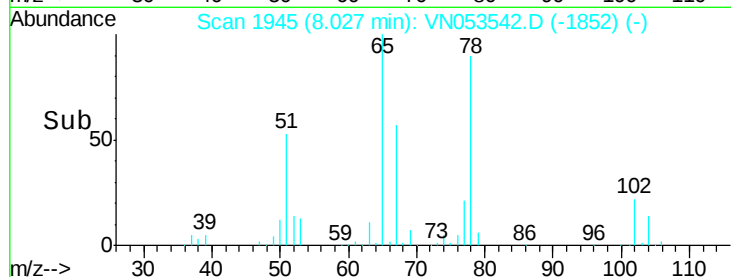
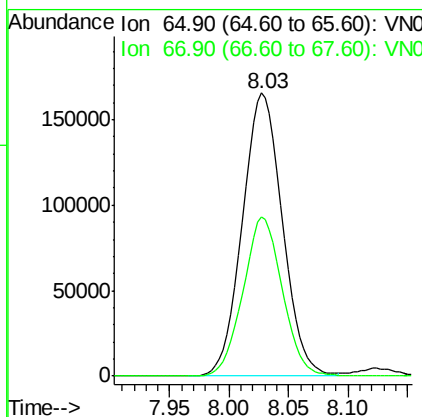
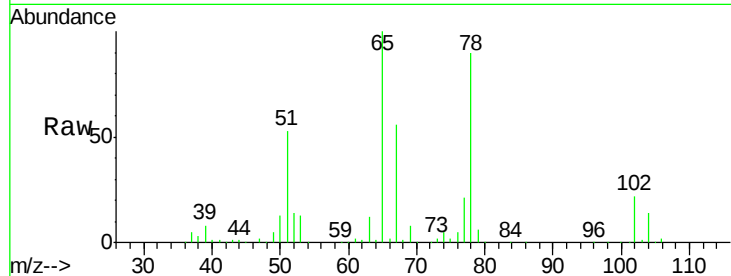
67 55.2 0.0 111.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

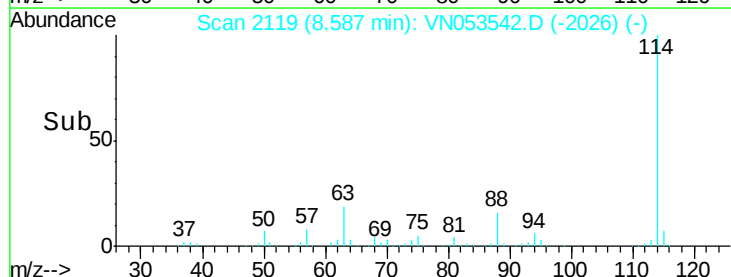
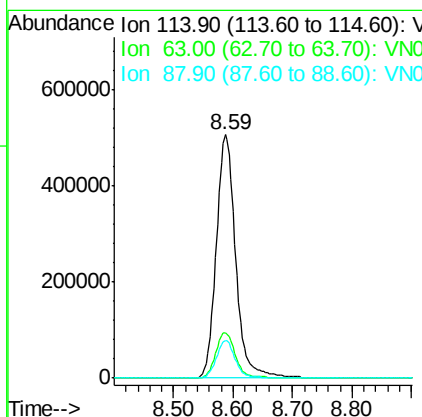
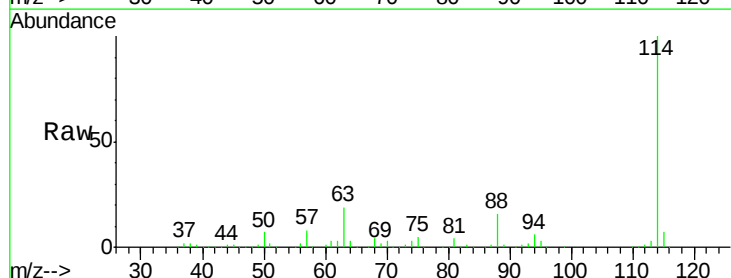
Tgt Ion: 114 Resp: 1140986

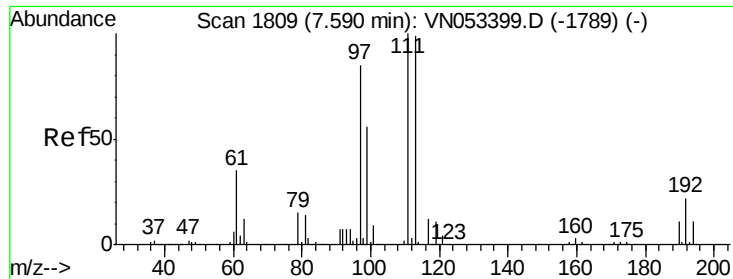
Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

88 15.5 0.0 30.4





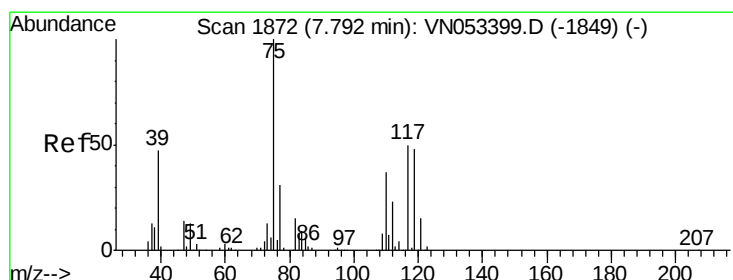
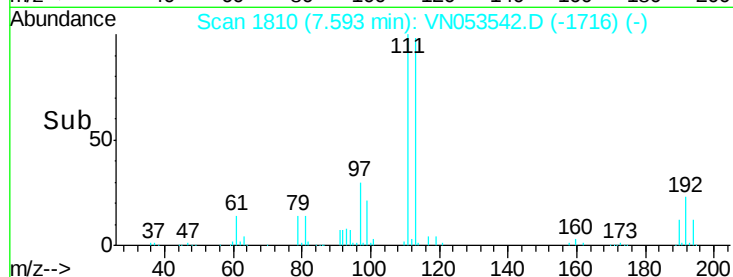
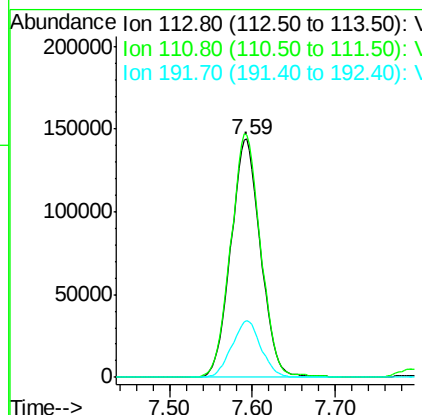
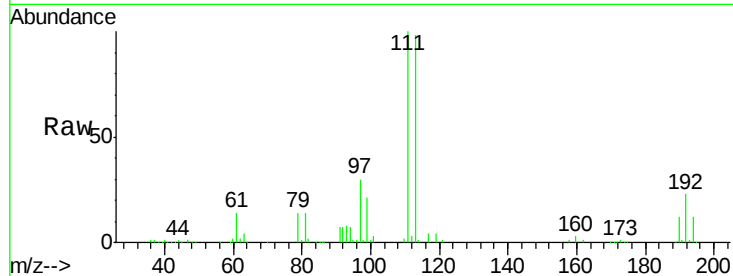
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	81.1	121.7	
192	23.5	18.2	27.2	

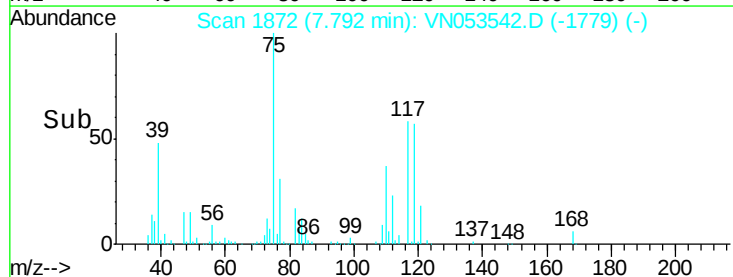
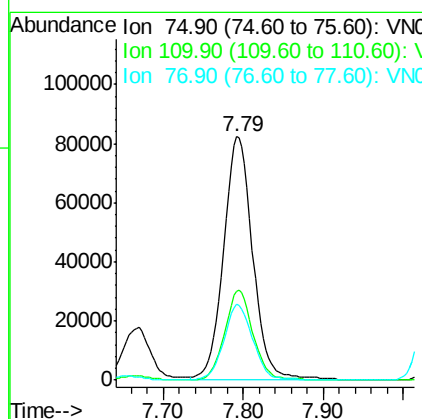
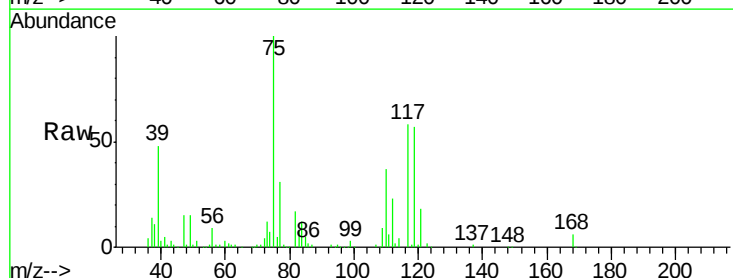
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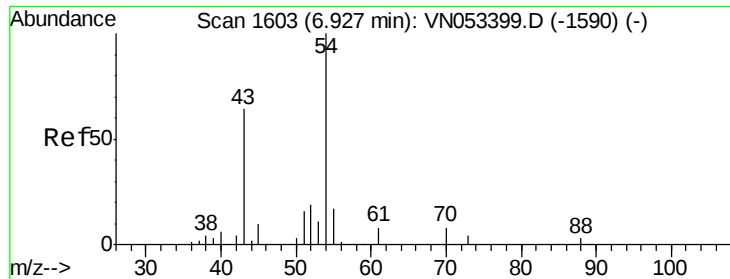
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#36
 1,1-Dichloropropene
 Concen: 19.606 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	18.1	54.3	
77	31.2	25.1	37.7	





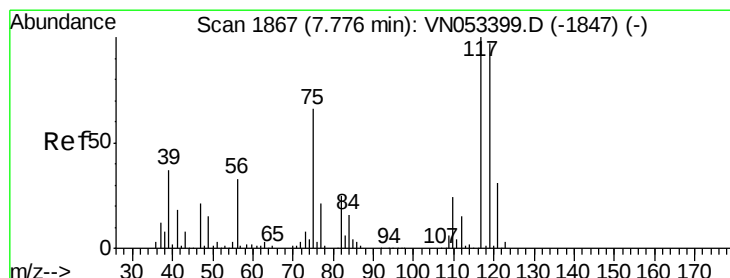
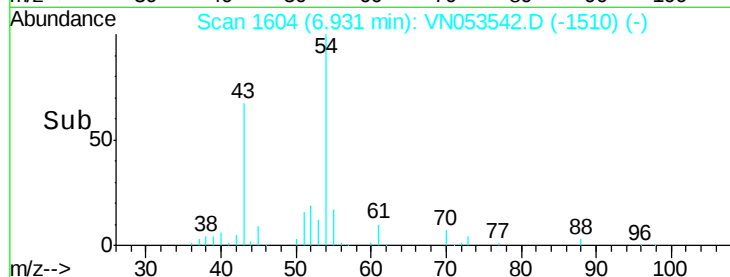
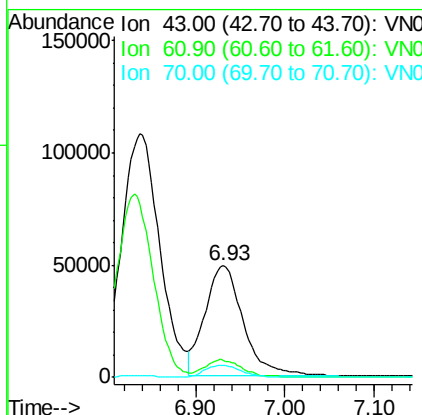
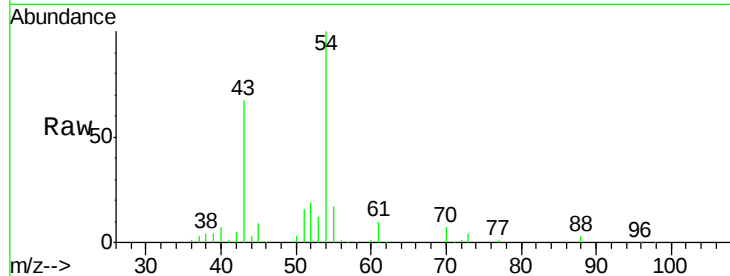
#37
Ethyl Acetate
Concen: 24.518 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.8	17.6
70	10.5	8.6	12.8

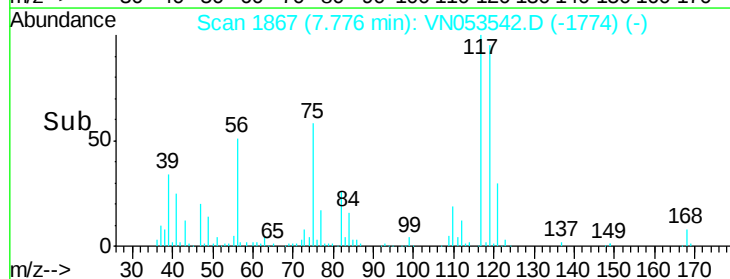
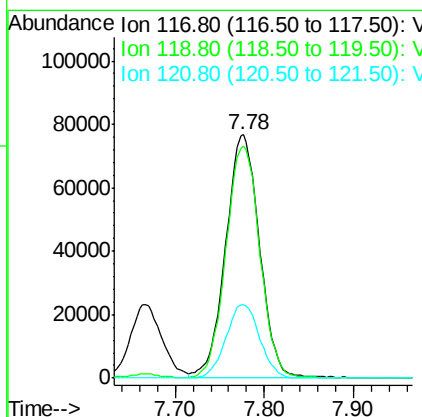
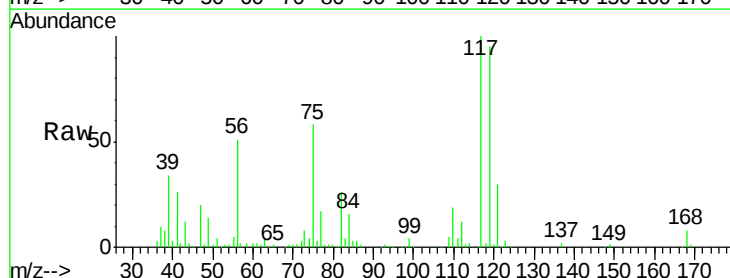
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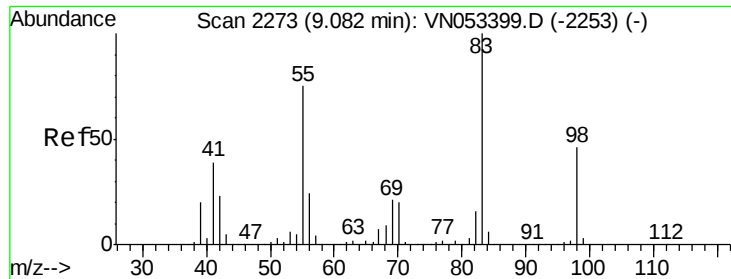
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#38
Carbon Tetrachloride
Concen: 20.346 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.2	115.8
121	30.2	24.6	37.0





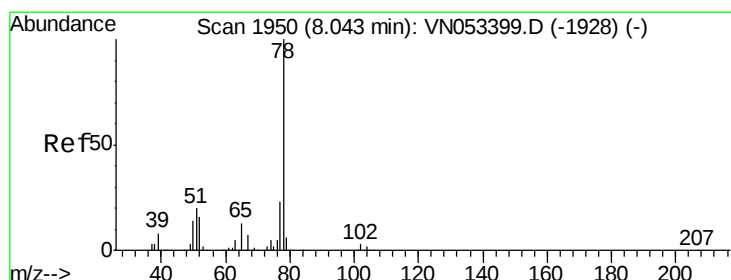
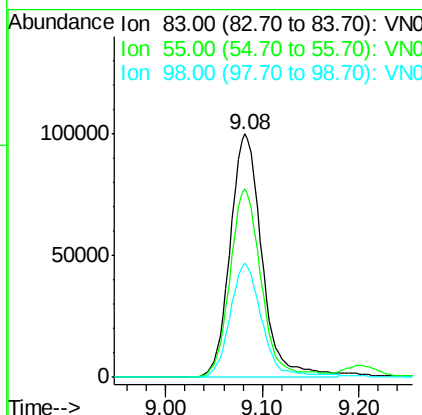
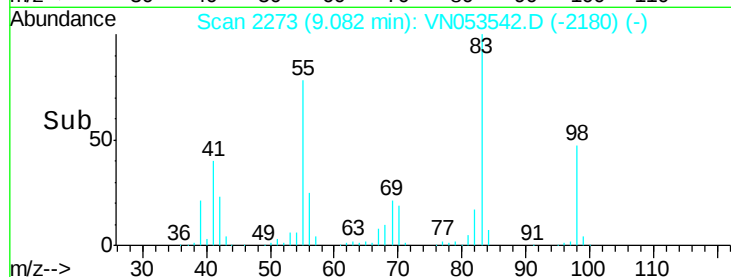
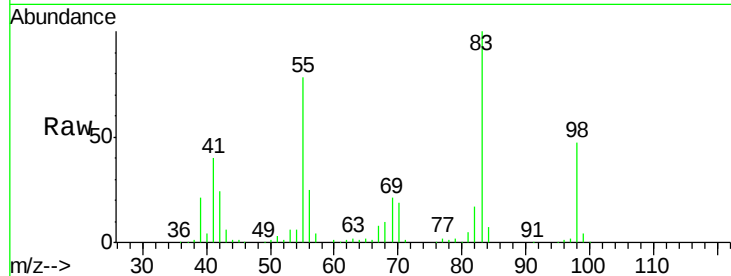
#39
Methvlcvclohexane
Concen: 17.785 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	228423		
55	77.6	60.1	90.1	
98	46.8	36.6	55.0	

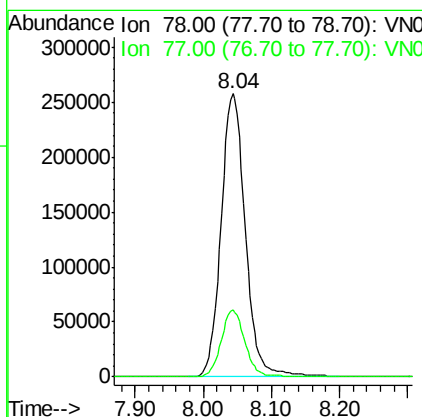
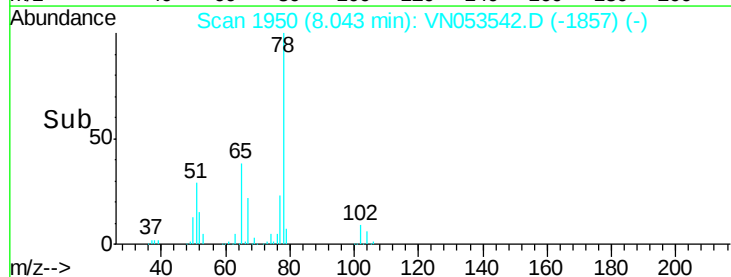
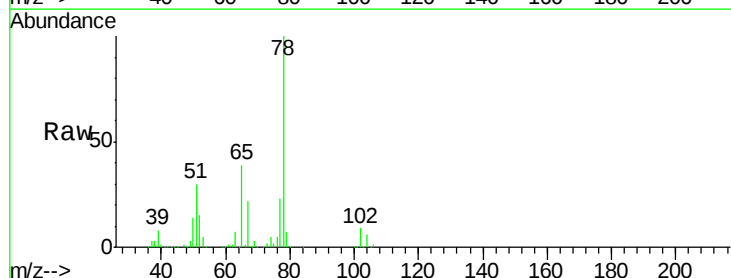
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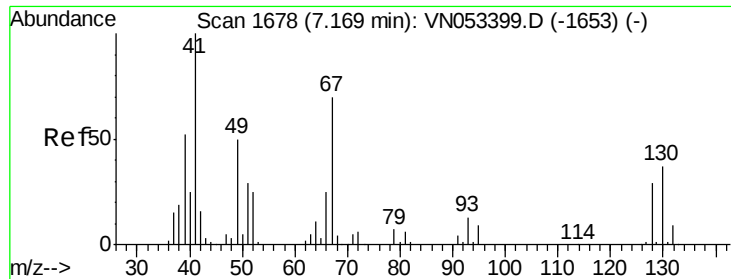
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#40
Benzene
Concen: 20.170 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	636902		
77	23.5	18.8	28.2	





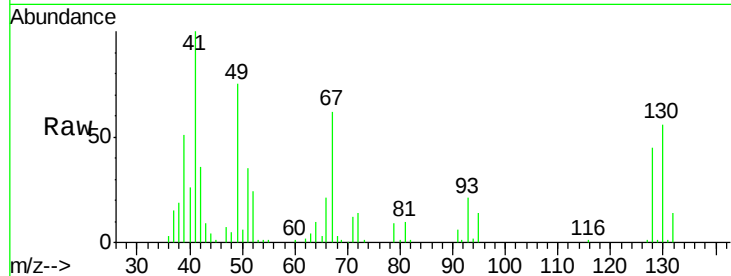
#41
Methacrylonitrile
Concen: 24.168 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

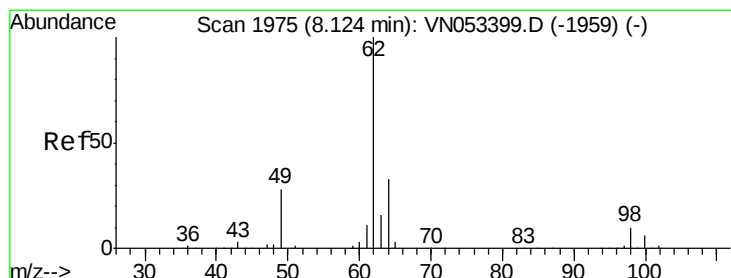
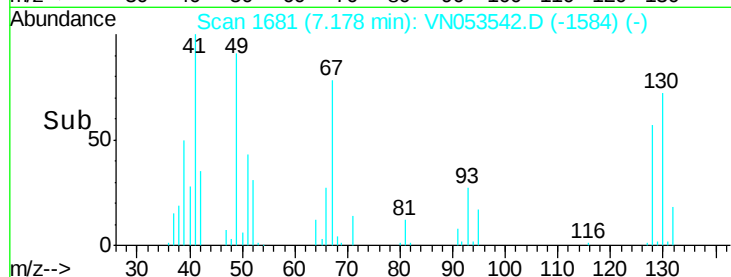
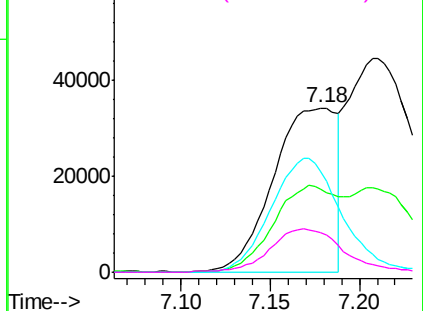
Tot Ion:	41	Resp:	84612
Ion	Ratio	Lower	Upper
41	100		
39	54.4	46.8	70.2
67	77.5	63.0	94.6
52	30.8	23.8	35.8

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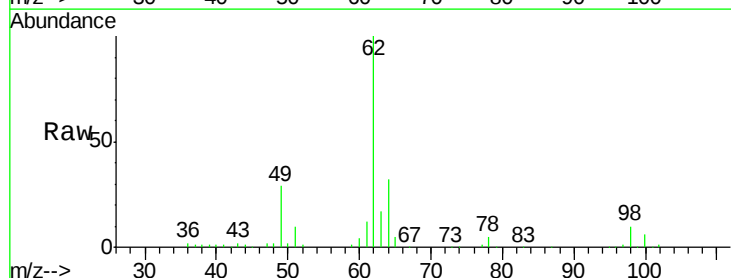


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

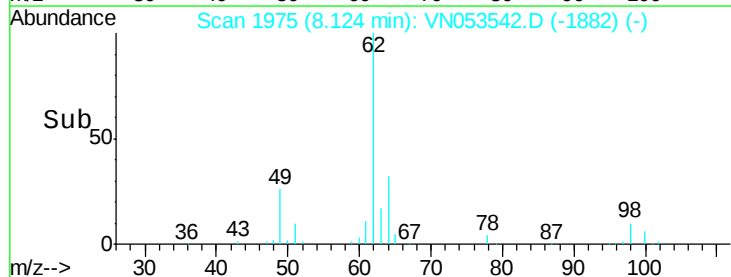
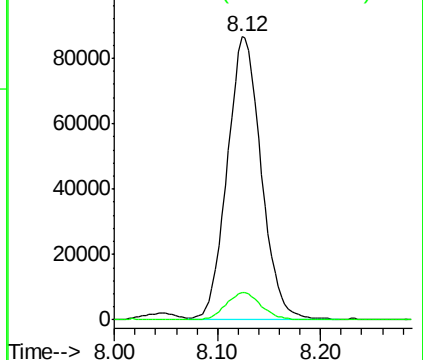


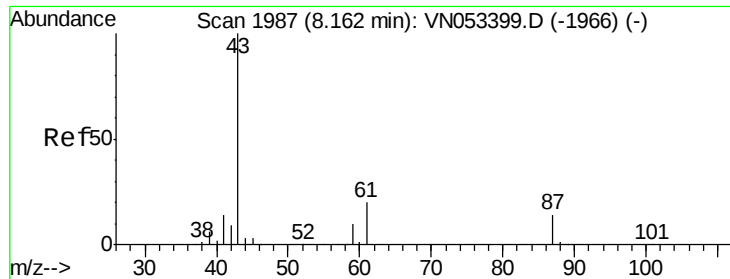
#42
1,2-Dichloroethane
Concen: 21.536 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion:	62	Resp:	198110
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.6



Abundance Ion 61.90 (61.60 to 62.60): VNC
Ion 97.90 (97.60 to 98.60): VNC





#43

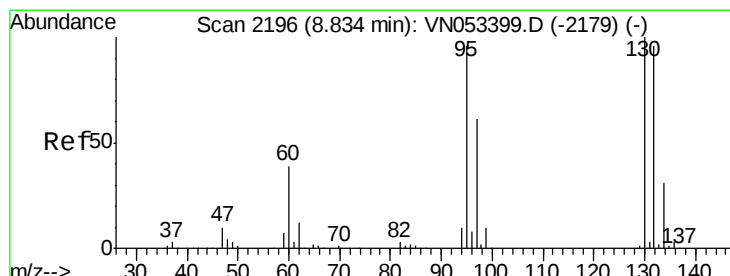
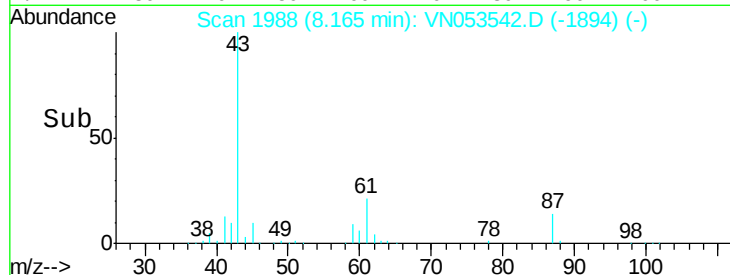
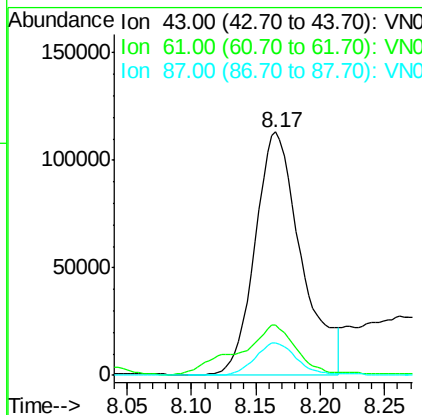
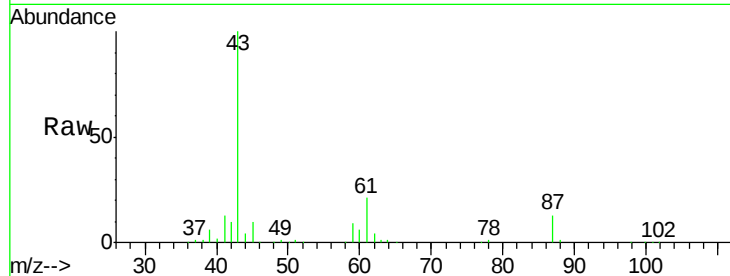
Isopropyl Acetate
 Concen: 26.096 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	23.9	35.9#
87	12.6	11.0	16.6

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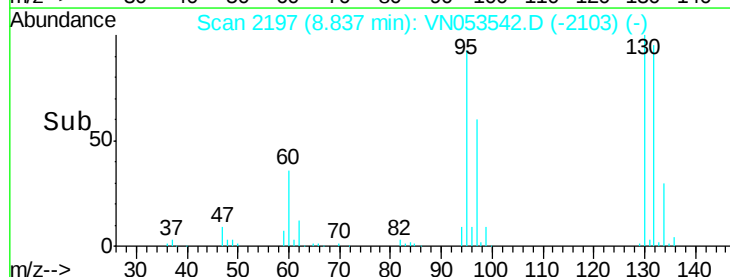
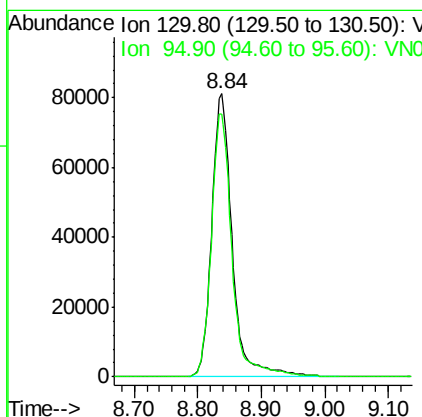
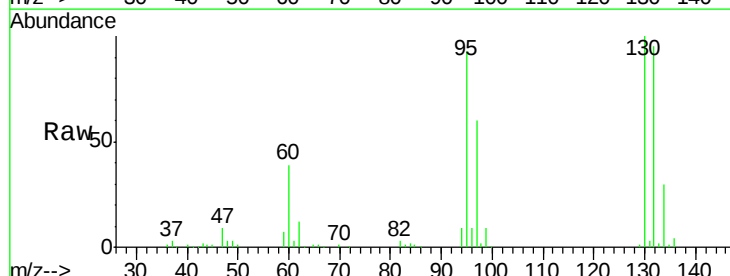
MMDadoda
 1/29/2019 9:52:38 AM

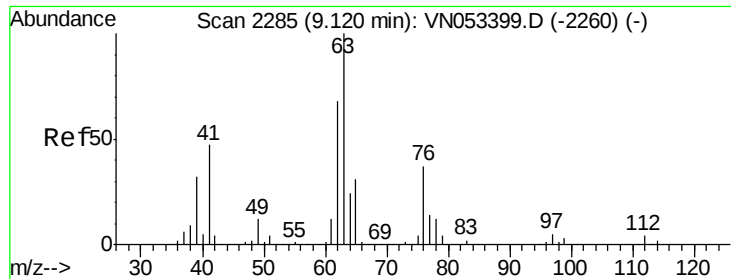


#44

Trichloroethene
 Concen: 20.725 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	191.4





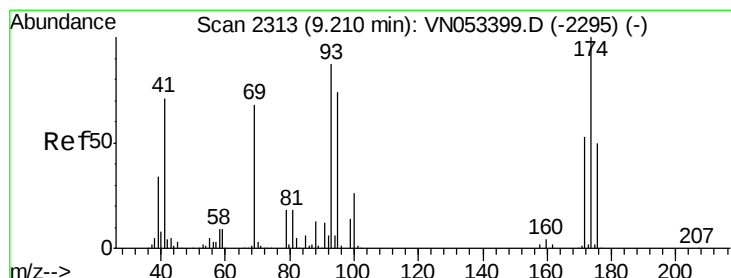
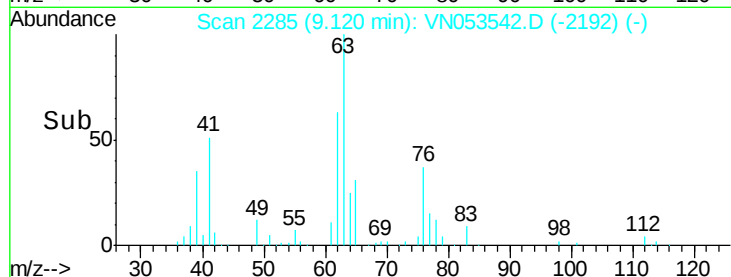
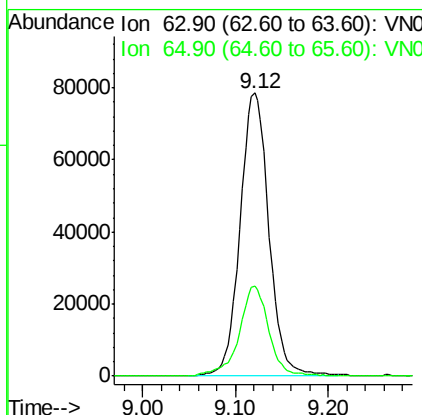
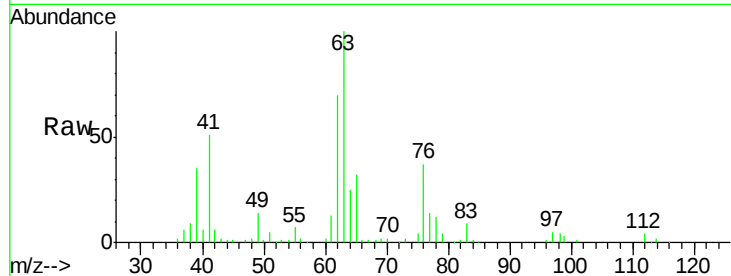
#45
 1,2-Dichloropropane
 Concen: 20.281 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion: 63 Resp: 169622
 Ion Ratio Lower Upper
 63 100
 65 31.9 25.0 37.4

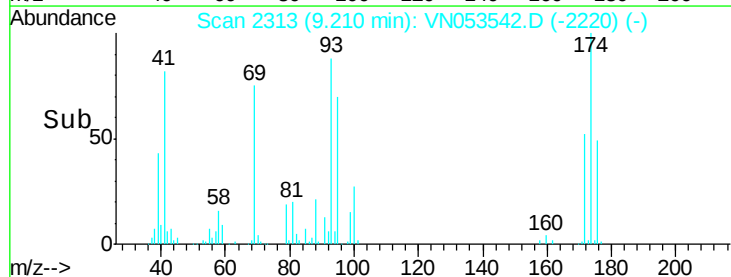
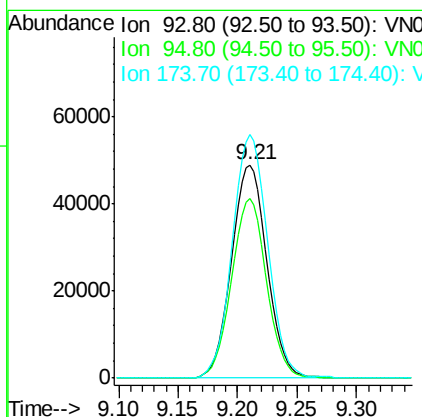
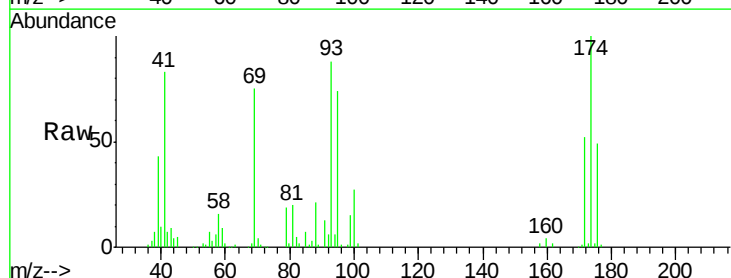
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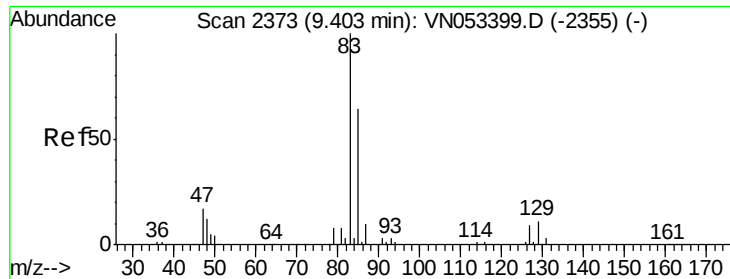
MMDadoda
 1/29/2019 9:52:38 AM



#46
 Dibromomethane
 Concen: 21.053 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion: 93 Resp: 101163
 Ion Ratio Lower Upper
 93 100
 95 83.2 67.3 100.9
 174 113.9 91.0 136.4





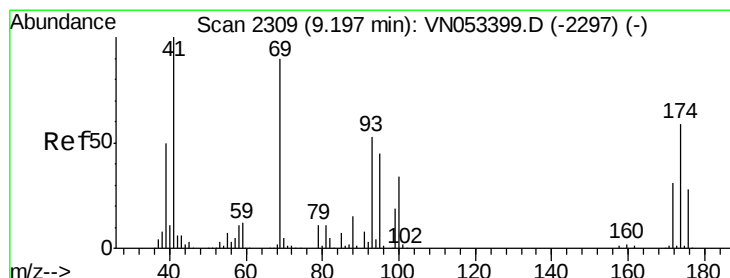
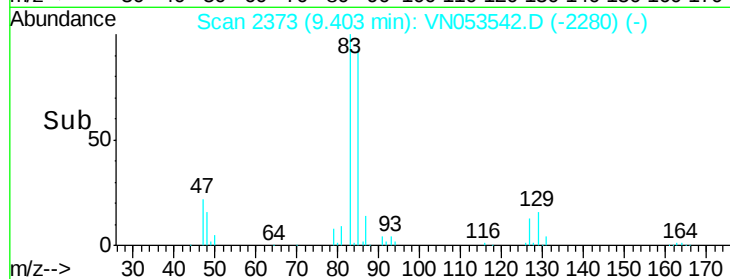
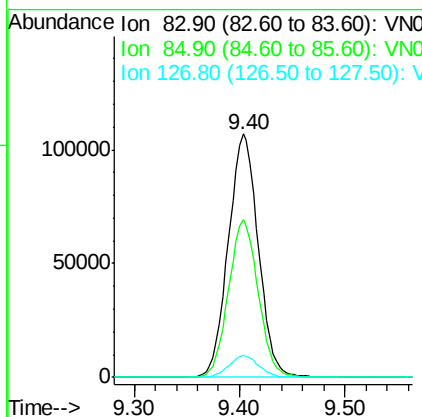
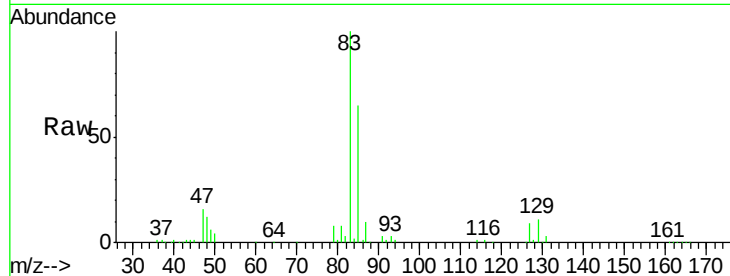
#47
Bromodichloromethane
Concen: 20.791 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	83	Resp	210102
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	51.0	76.6
127	8.9	7.0	10.6

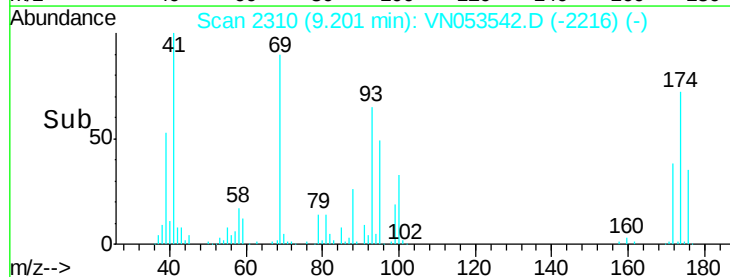
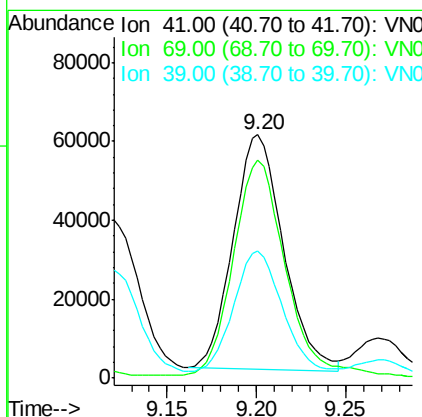
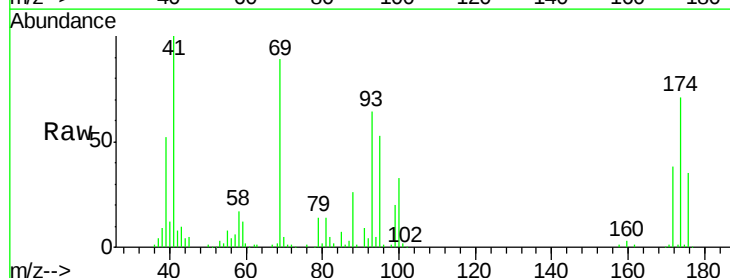
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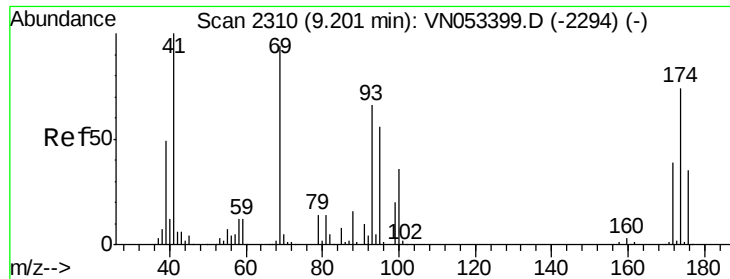
MMDadoda
1/29/2019 9:52:38 AM



#48
Methyl methacrylate
Concen: 21.146 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	41	Resp	117366
Ion Ratio	100	Lower	Upper
41	100		
69	98.2	73.8	110.6
39	55.1	40.0	60.0





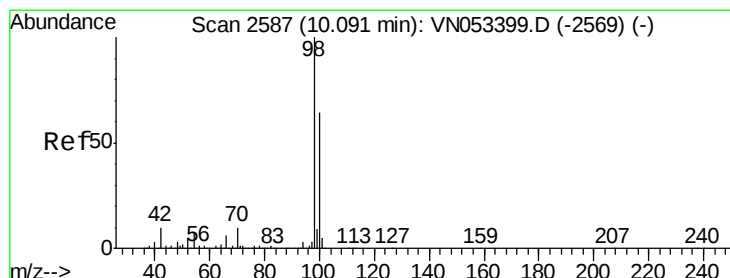
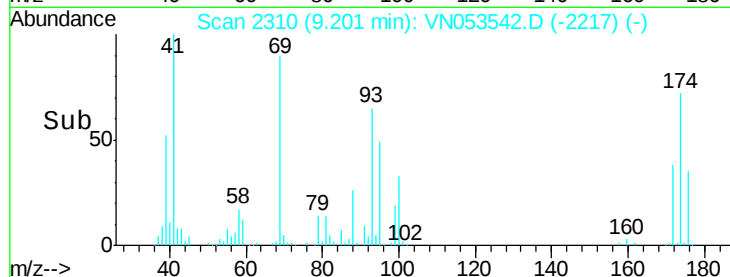
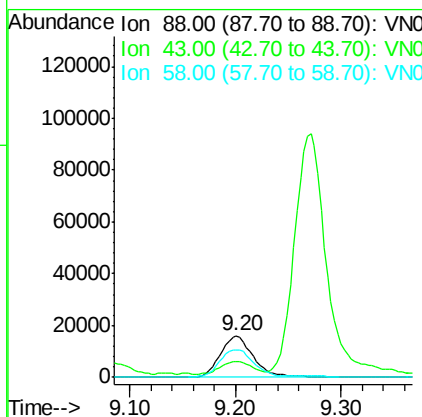
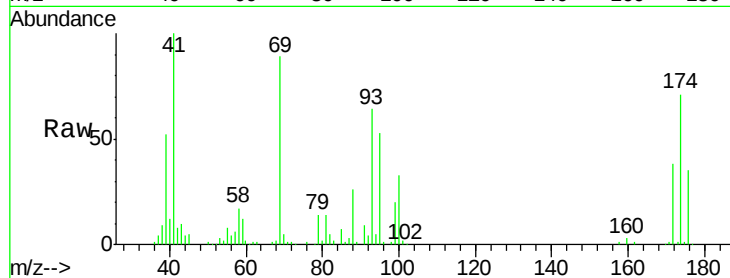
#49
1,4-Dioxane
Concen: 641.223 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.1	27.8	41.6
58	70.1	56.5	84.7

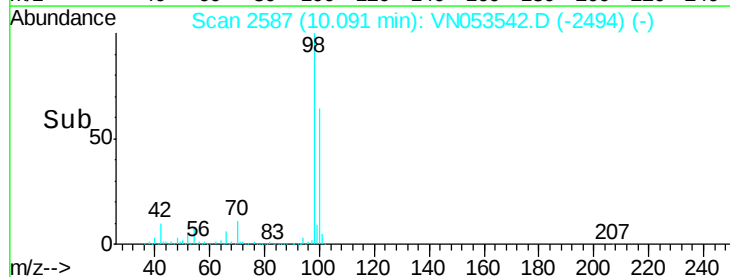
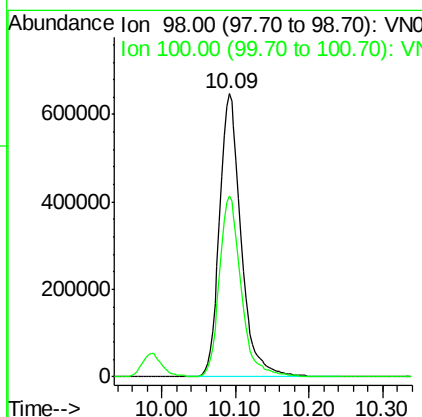
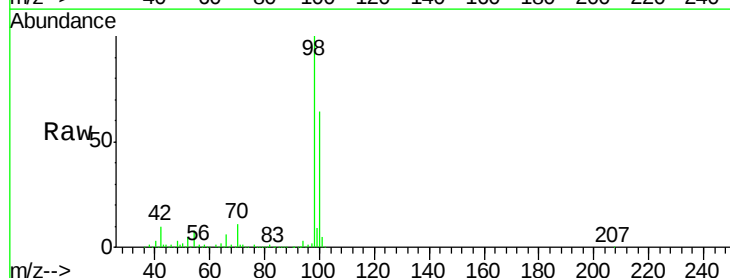
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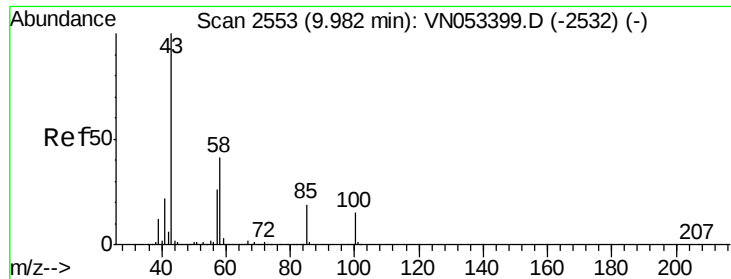
MMDadoda
1/29/2019 9:52:38 AM



#50
Toluene-d8
Concen: 641.223 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 116.866 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion: 43 Resp: 685792

Ion Ratio Lower Upper

43 100

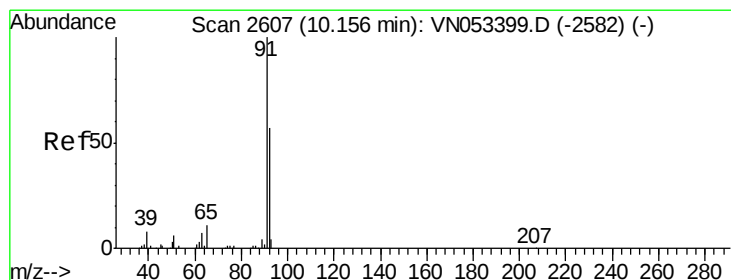
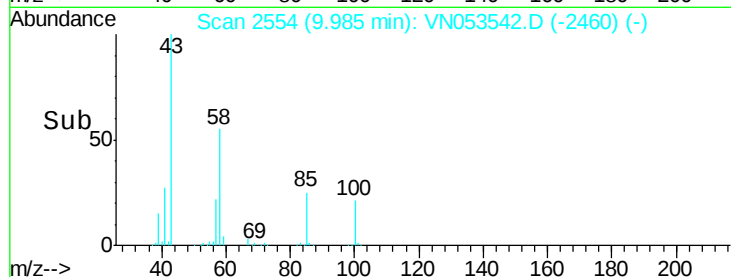
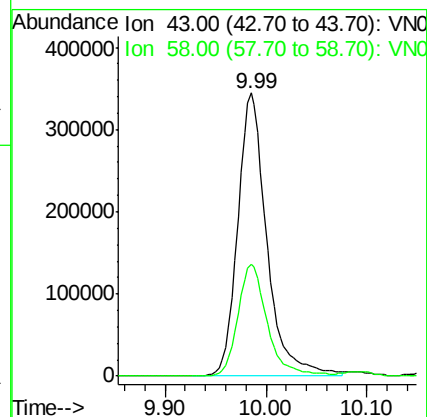
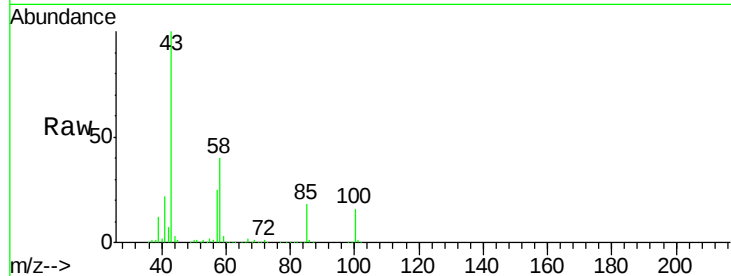
58 40.1 32.8 49.2

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#52

Toluene

Concen: 19.760 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053542.D

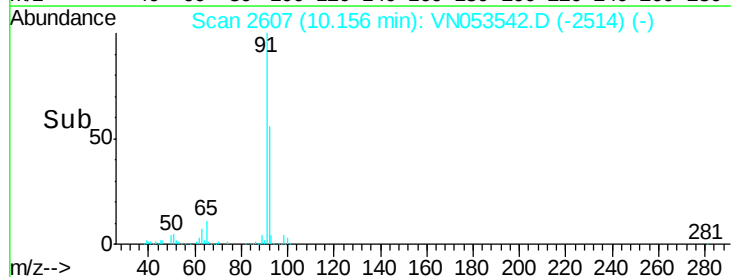
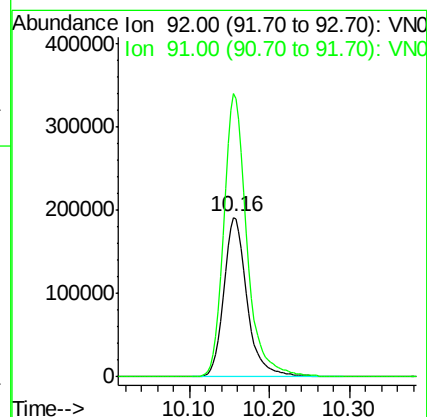
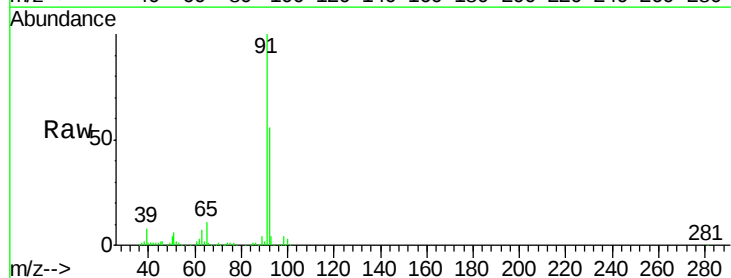
Acq: 28 Jan 2019 13:41

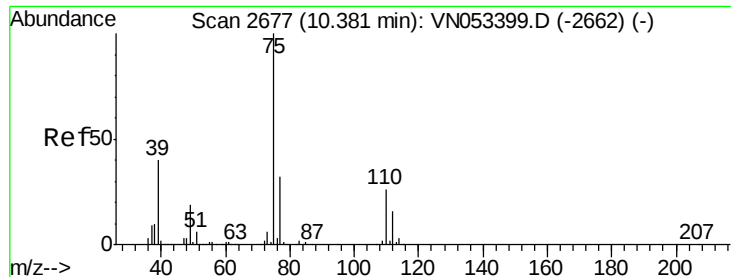
Tgt Ion: 92 Resp: 387363

Ion Ratio Lower Upper

92 100

91 176.0 139.9 209.9





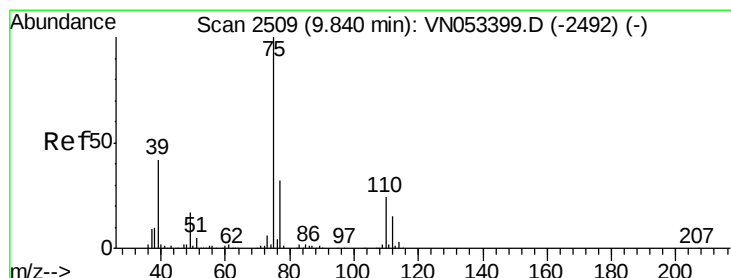
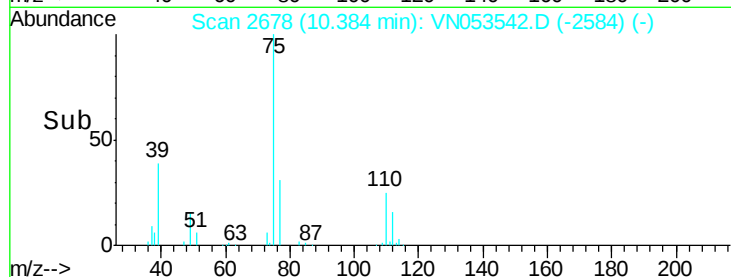
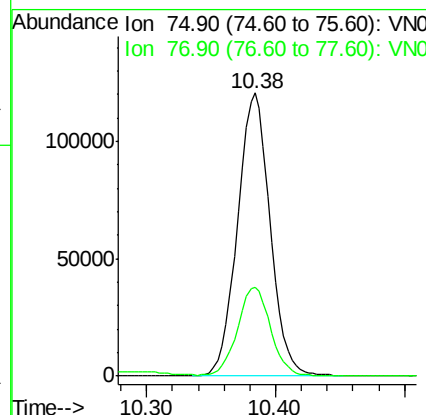
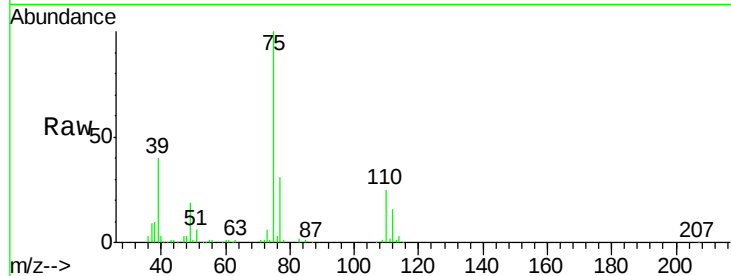
#53
 t-1,3-Dichloropropene
 Concen: 20.696 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.5	38.3

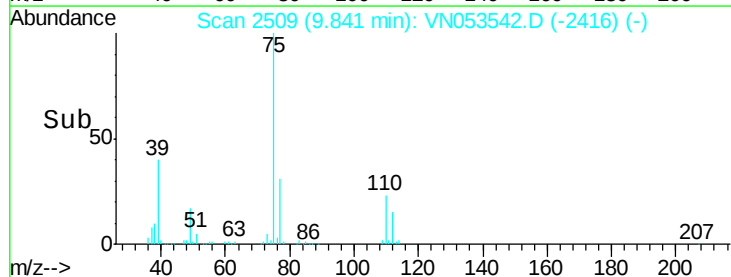
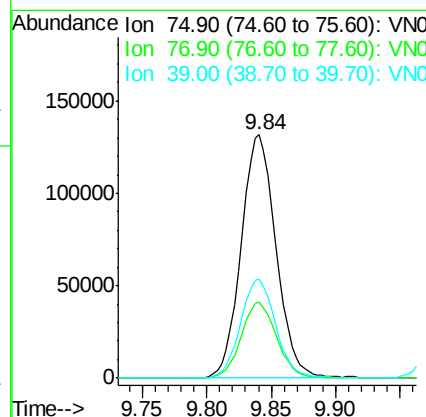
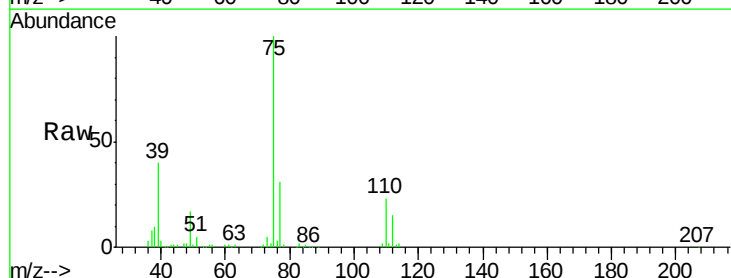
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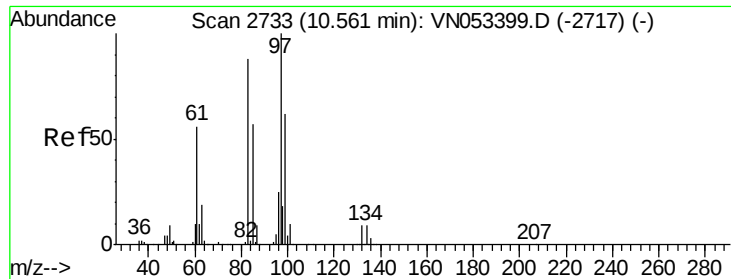
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#54
 cis-1,3-Dichloropropene
 Concen: 20.691 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.8	38.6
39	40.3	33.4	50.0





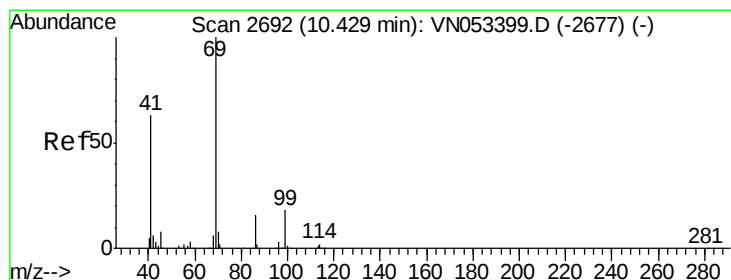
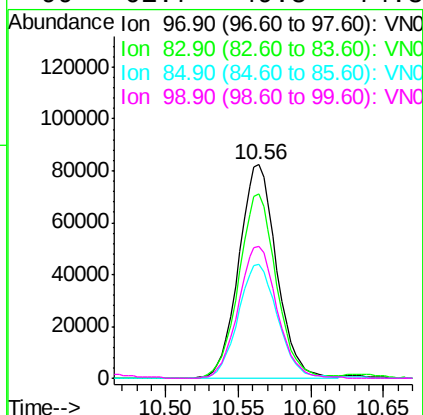
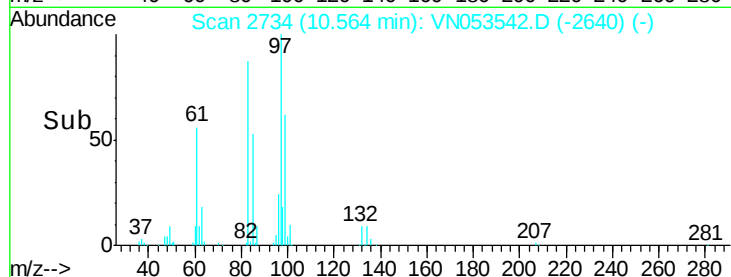
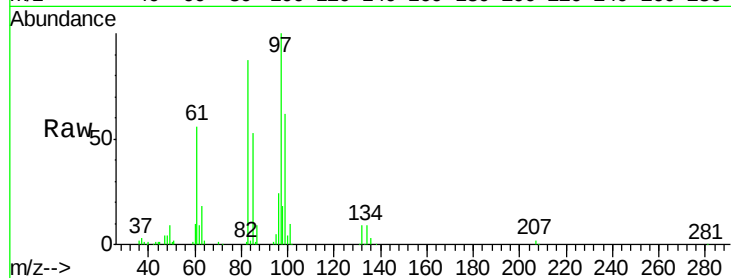
#55
 1,1,2-Trichloroethane
 Concen: 22.116 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		149471		
83	86.6	70.1	105.1		
85	53.4	45.4	68.0		
99	61.7	49.8	74.8		

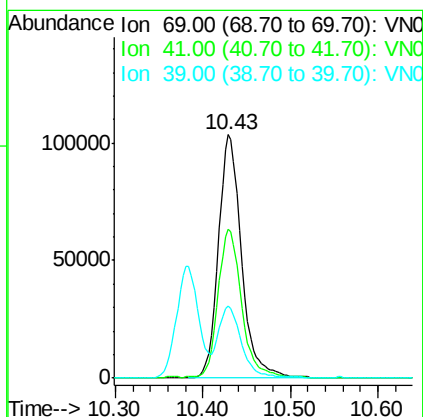
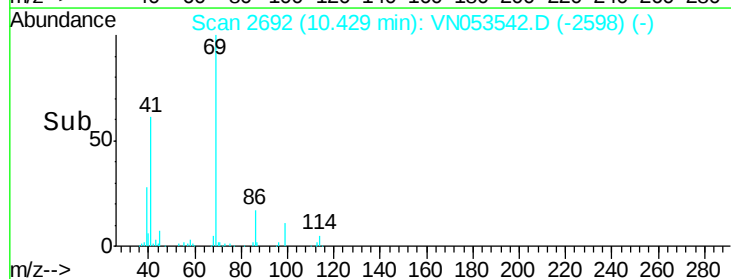
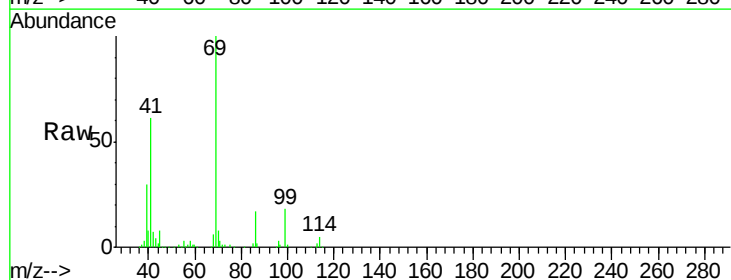
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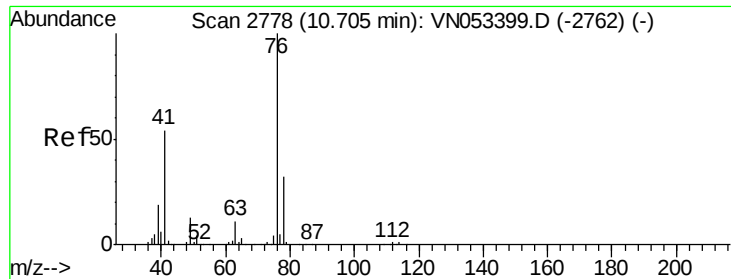
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#56
 Ethyl methacrylate
 Concen: 21.074 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		190223		
41	61.2	49.4	74.0		
39	29.4	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 21.337 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion: 76 Resp: 249462

Ion Ratio Lower Upper

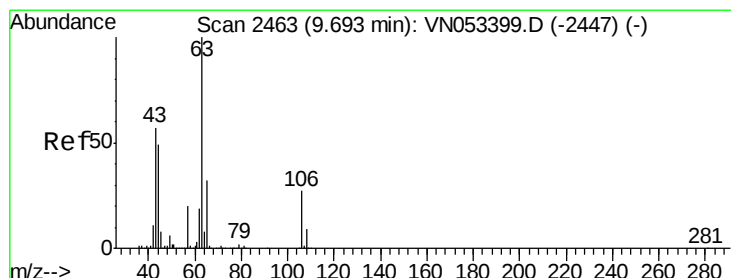
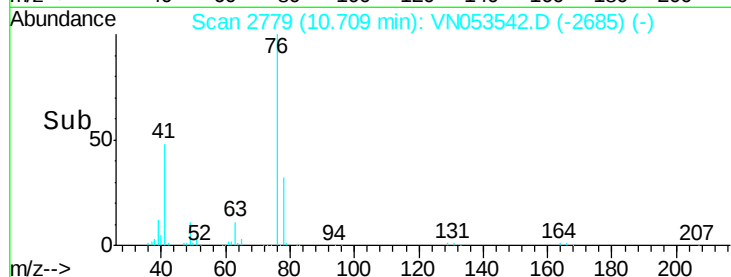
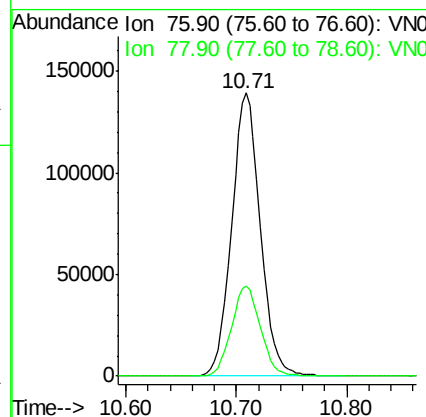
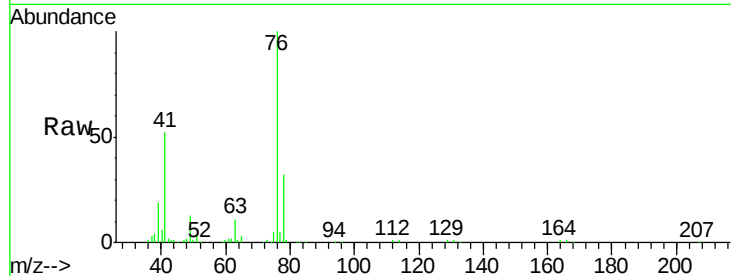
76 100

78 32.3 25.6 38.4

Manual Integrations
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1/29/2019 9:52:38 AM



#58

2-Chloroethyl Vinyl ether

Concen: 110.472 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053542.D

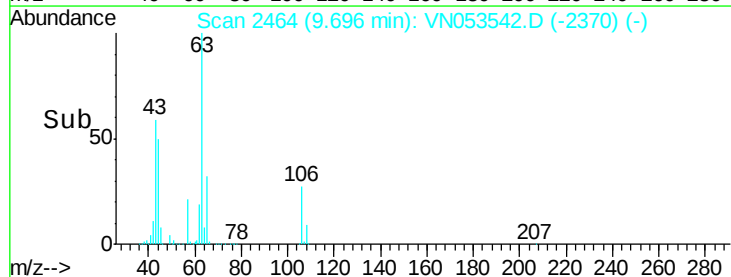
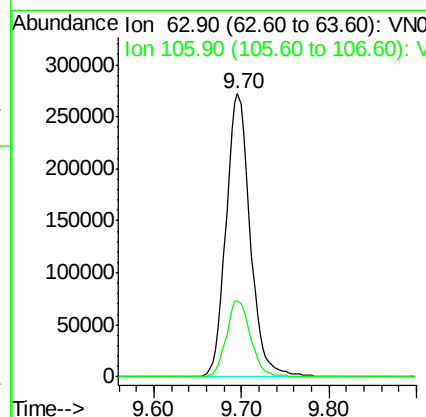
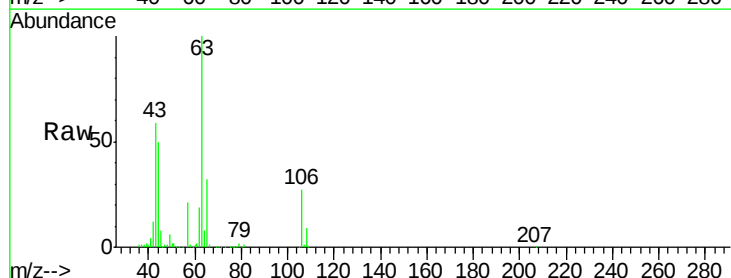
Acq: 28 Jan 2019 13:41

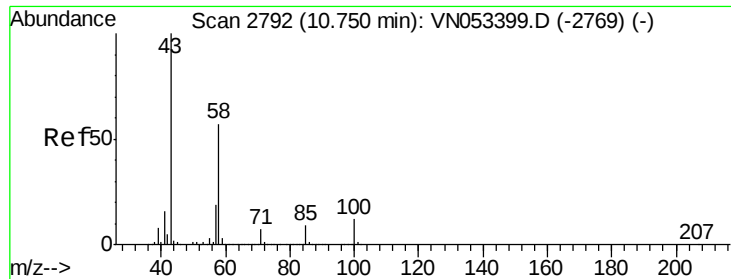
Tgt Ion: 63 Resp: 522335

Ion Ratio Lower Upper

63 100

106 27.1 21.5 32.3





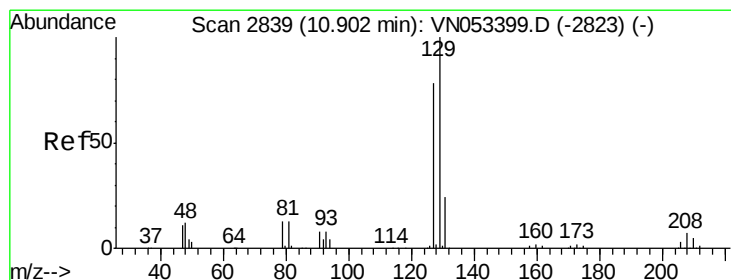
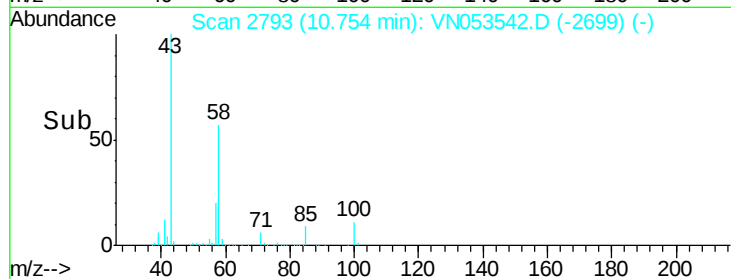
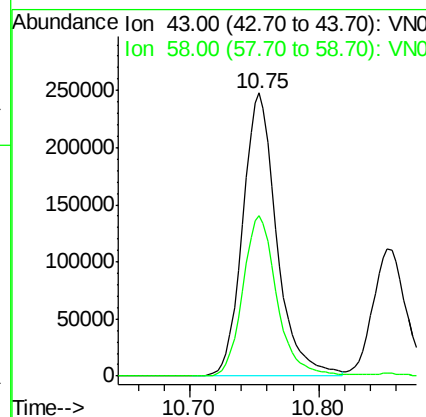
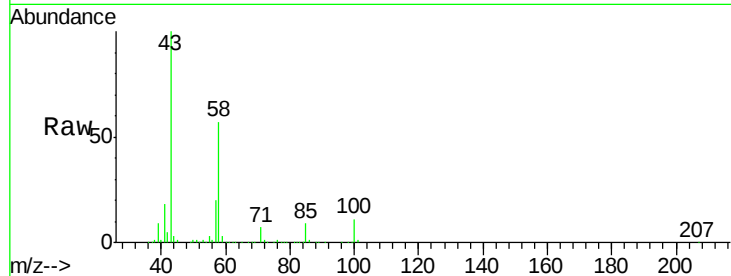
#59
2-Hexanone
Concen: 109.459 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion: 43 Resp: 450908
Ion Ratio Lower Upper
43 100
58 57.2 28.6 85.8

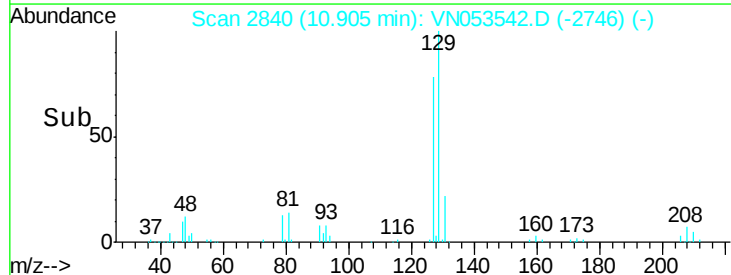
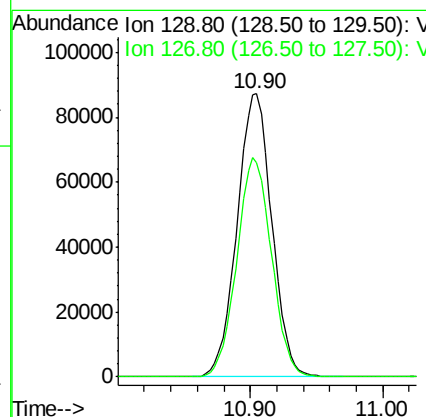
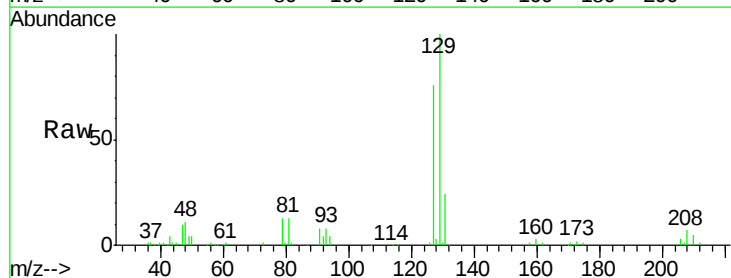
Manual Integrations
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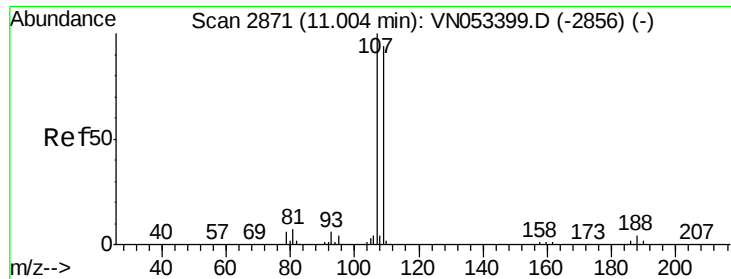
MMDadoda
1/29/2019 9:52:38 AM



#60
Dibromochloromethane
Concen: 20.698 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 129 Resp: 158667
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





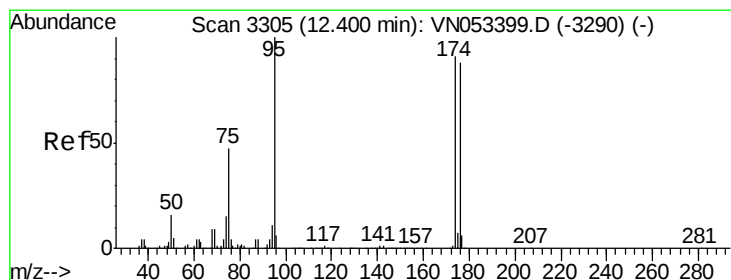
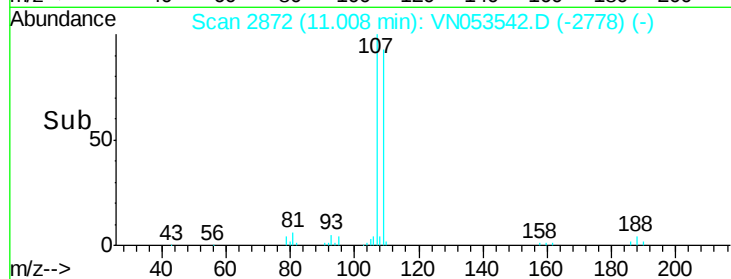
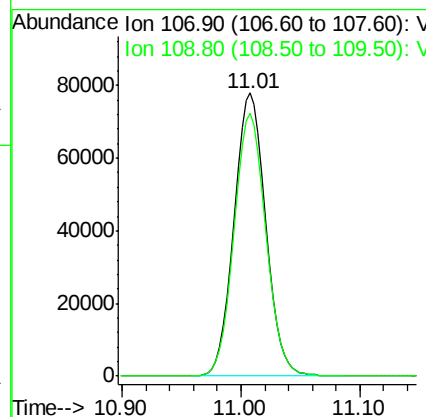
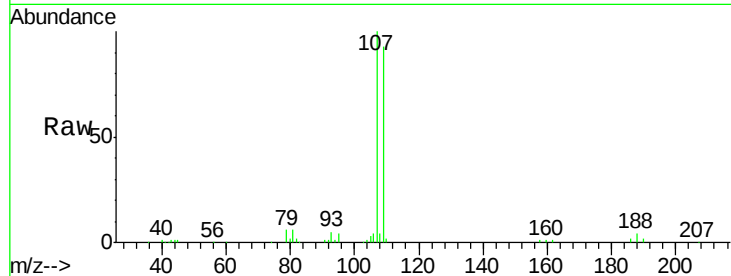
#61
 1,2-Dibromoethane
 Concen: 21.011 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.7	113.5

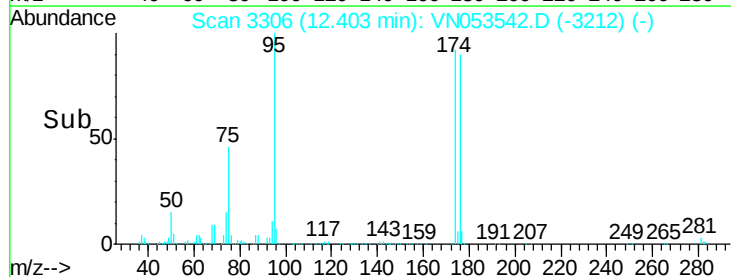
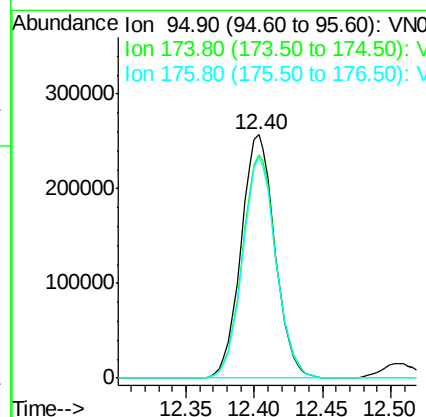
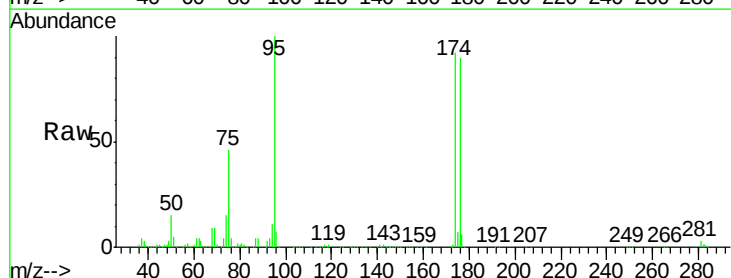
Manual Integrations
 APPROVED

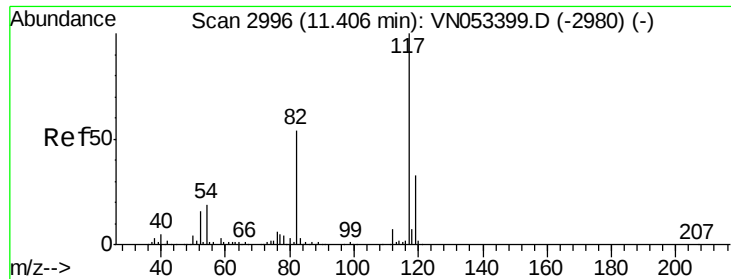
MMDadoda
 1/29/2019 9:52:38 AM



#62
 4-Bromofluorobenzene
 Concen: 21.011 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	0.0	183.2
176	89.5	0.0	177.4





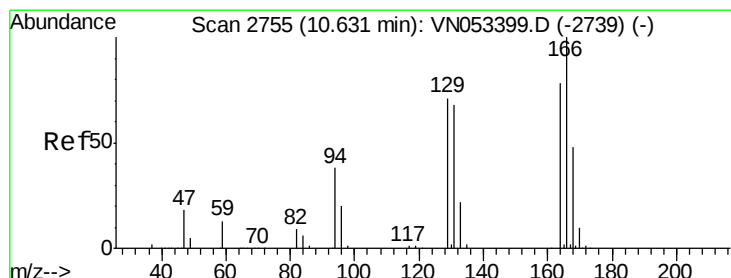
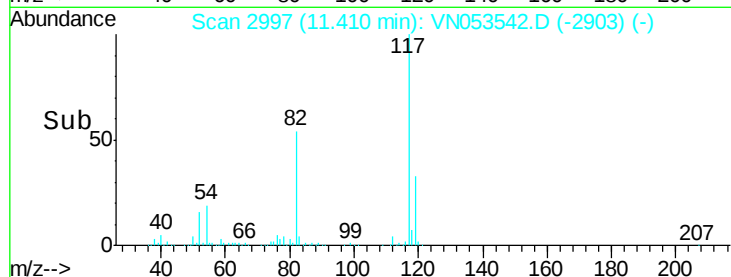
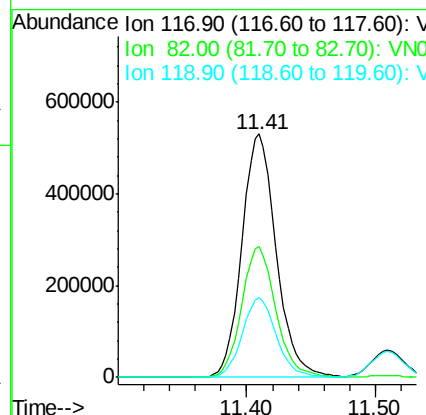
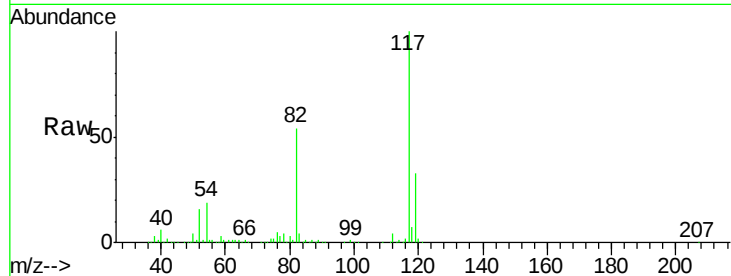
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	981984		
82	53.6		42.9	64.3
119	32.8		26.0	39.0

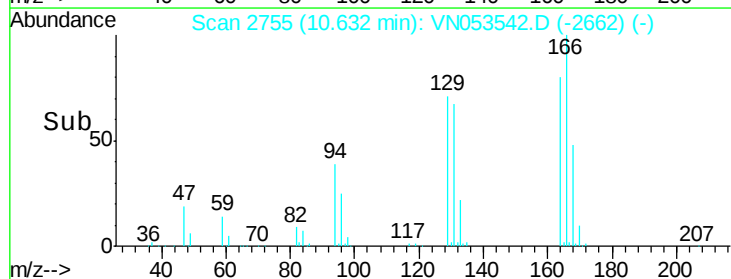
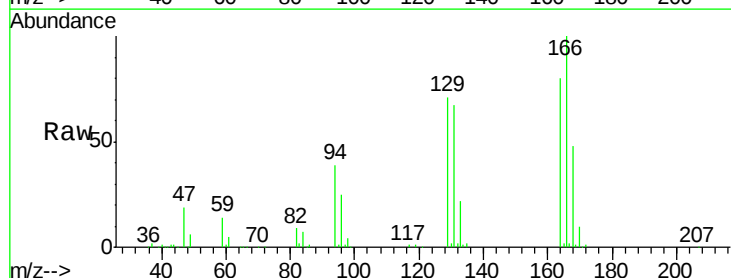
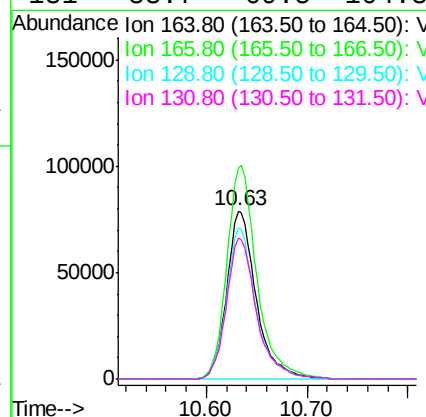
Manual Integrations
APPROVED

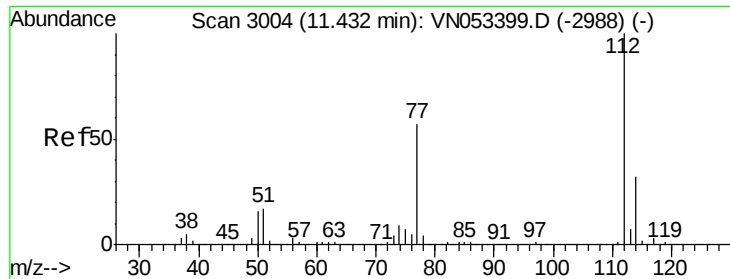
MMDadoda
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#64
Tetrachloroethene
Concen: 17.383 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	160864		
166	125.5		102.2	153.4
129	89.7		72.6	109.0
131	83.7		69.5	104.3





#65

Chlorobenzene

Concen: 20.363 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion:112 Resp: 423250

Ion Ratio Lower Upper

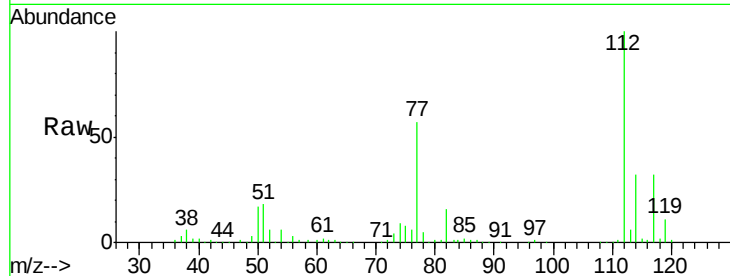
112 100

114 32.2 25.3 37.9

Manual Integrations
APPROVED

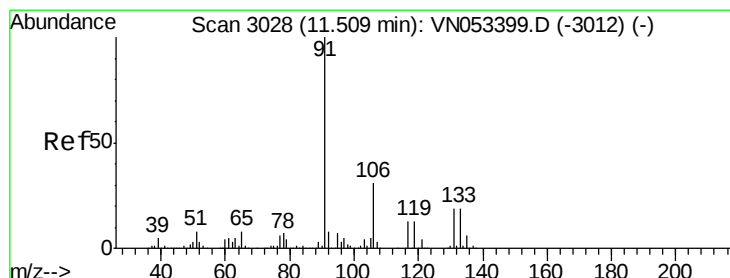
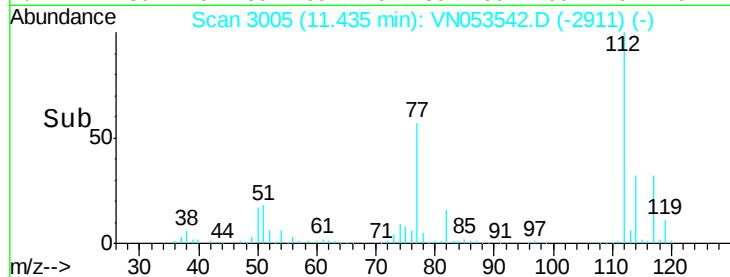
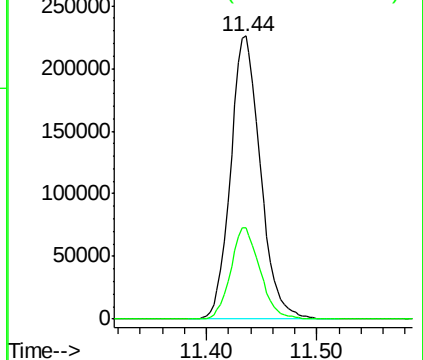
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.880 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

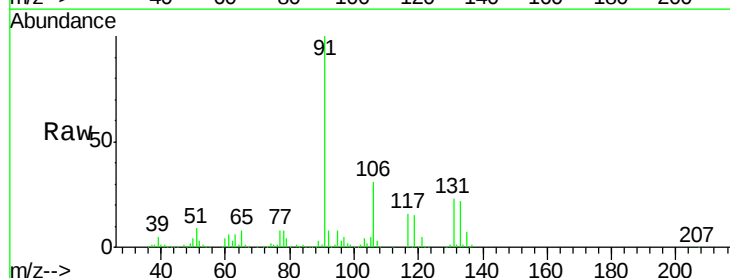
Tgt Ion:131 Resp: 150980

Ion Ratio Lower Upper

131 100

133 97.2 48.0 144.0

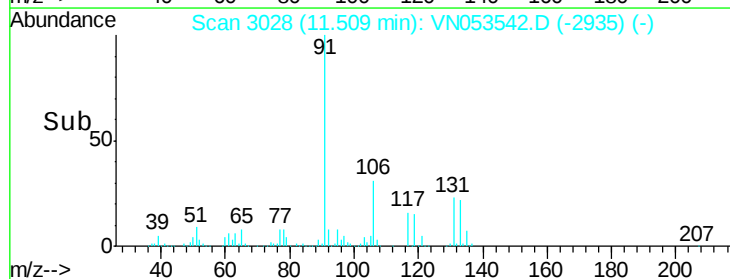
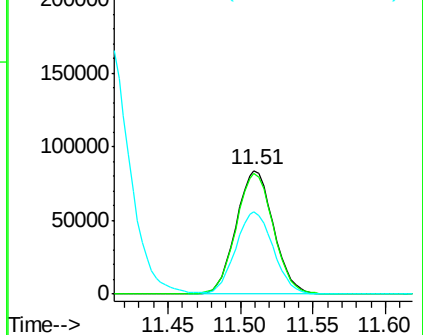
119 67.0 33.5 100.5

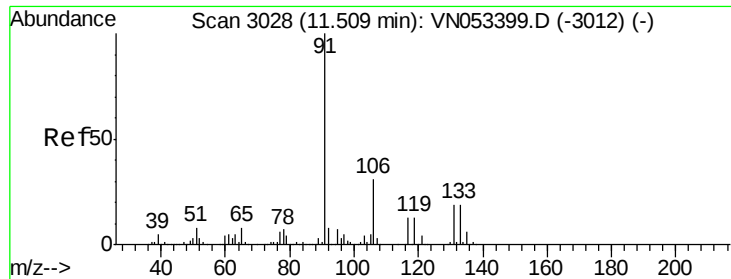


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





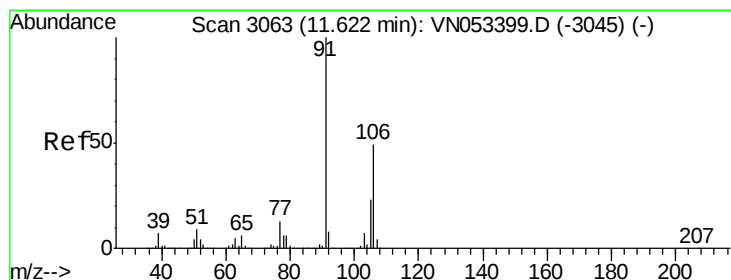
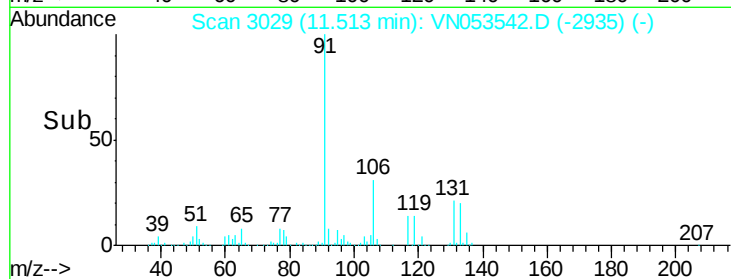
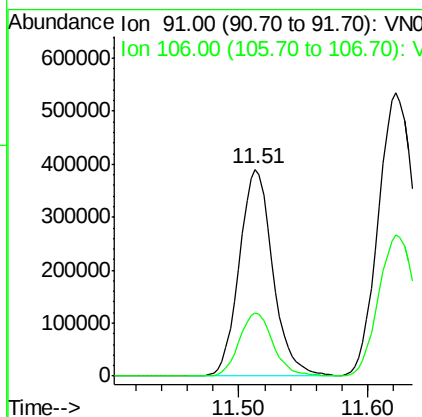
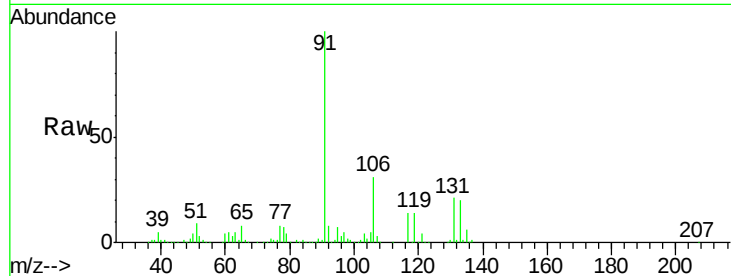
#67
Ethyl Benzene
Concen: 19.947 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion: 91 Resp: 706596
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.6

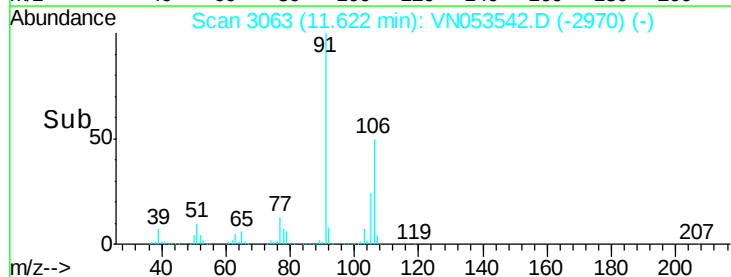
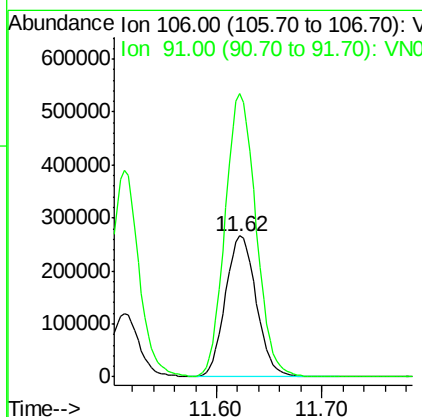
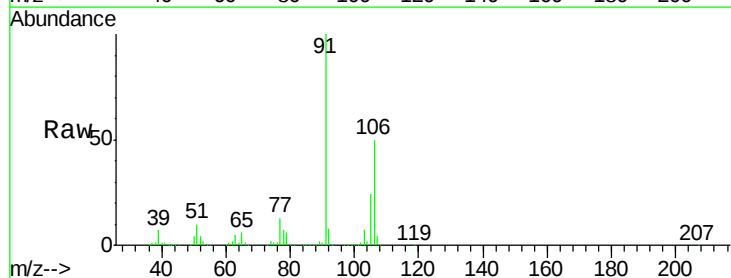
Manual Integrations
APPROVED

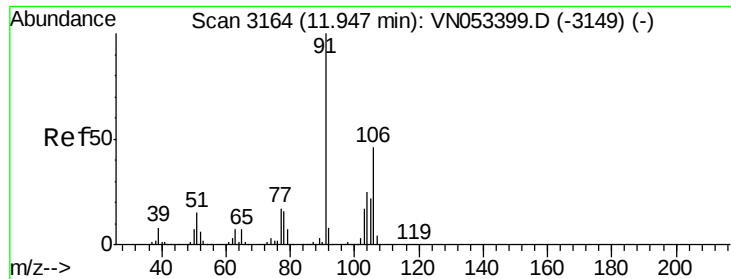
MMDadoda
1/29/2019 9:52:38 AM



#68
m/p-Xylenes
Concen: 40.482 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion: 106 Resp: 541411
Ion Ratio Lower Upper
106 100
91 200.1 161.4 242.2





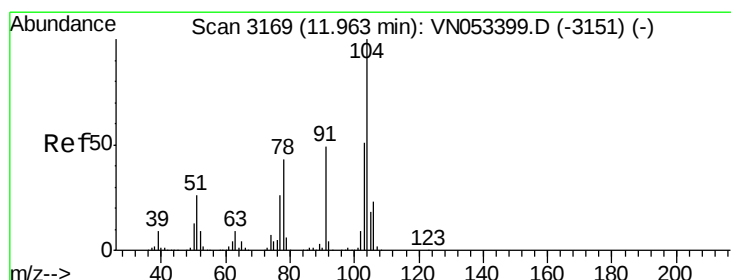
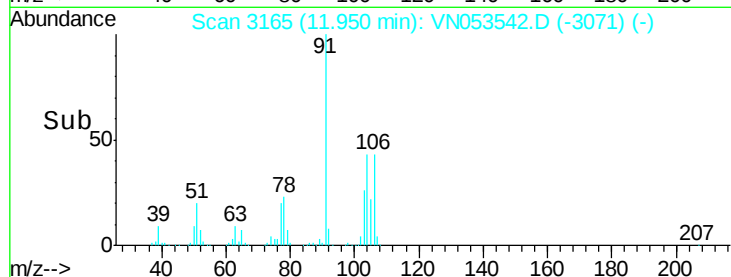
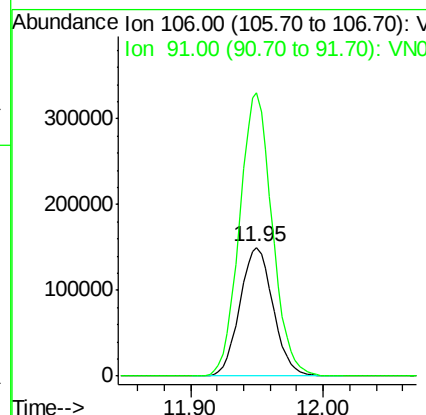
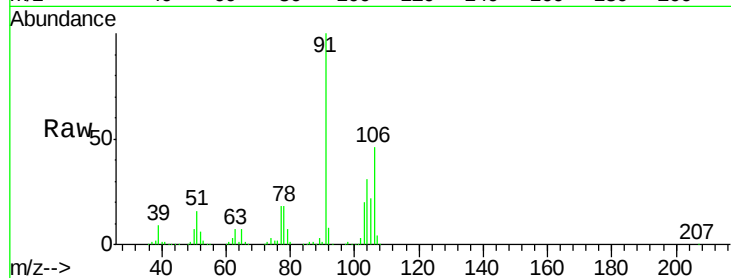
#69
o-Xylene
Concen: 20.101 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampled :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	216.1	106.9	320.8

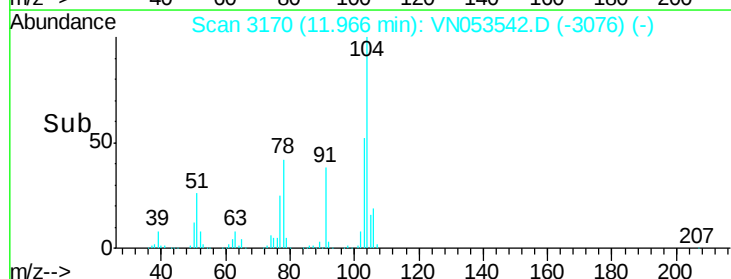
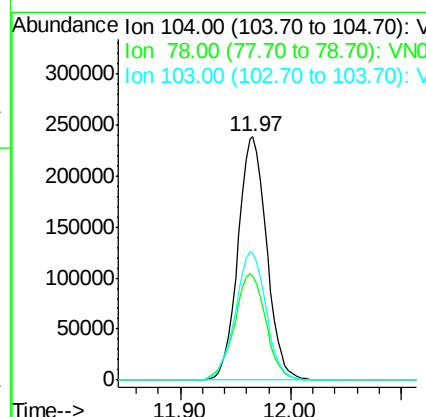
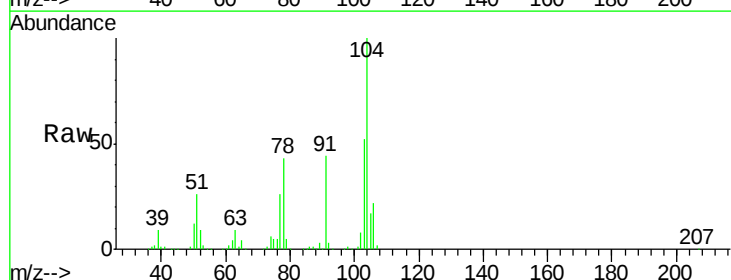
Manual Integrations
APPROVED

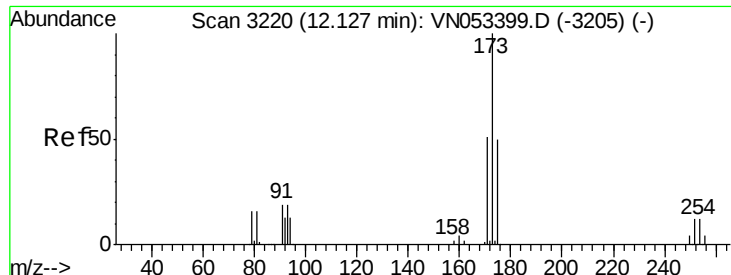
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#70
Styrene
Concen: 20.357 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.2	57.2
103	56.4	44.4	66.6





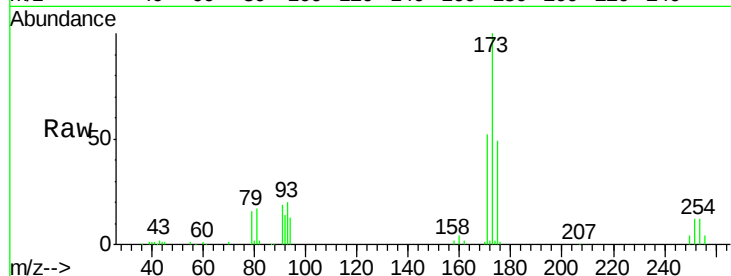
#71
Bromoform
Concen: 21.339 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	74.0
254	0.0	0.2	0.2

Manual Integrations
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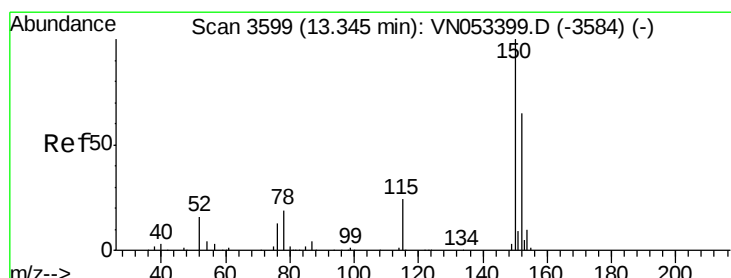
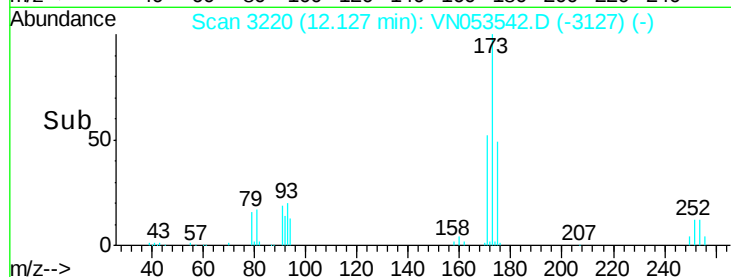
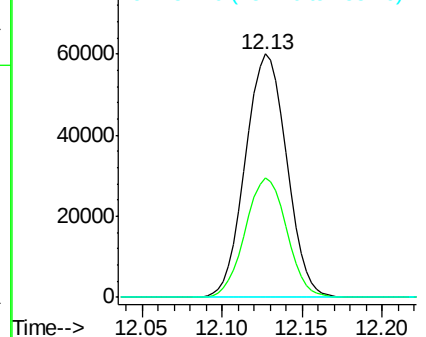


Abundance

Ion 172.70 (172.40 to 173.40): V

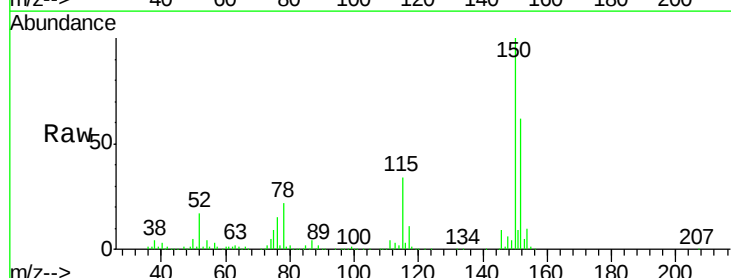
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	27.8	83.4
150	165.0	0.0	349.0

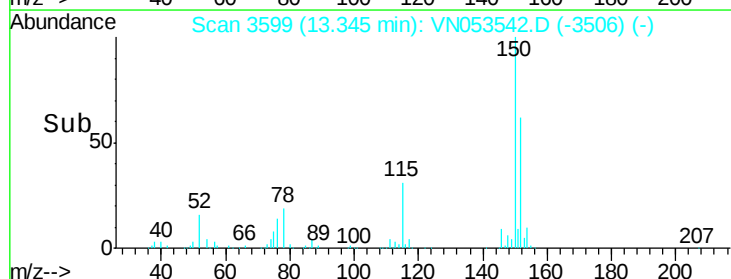
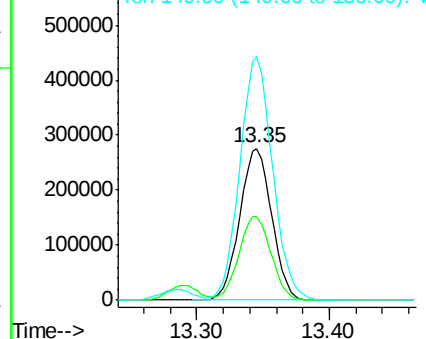


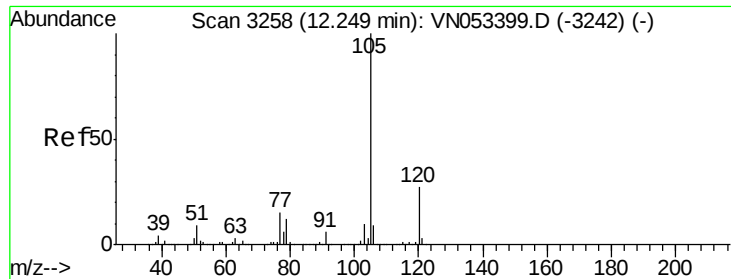
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.528 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion:105 Resp: 692459

Ion Ratio Lower Upper

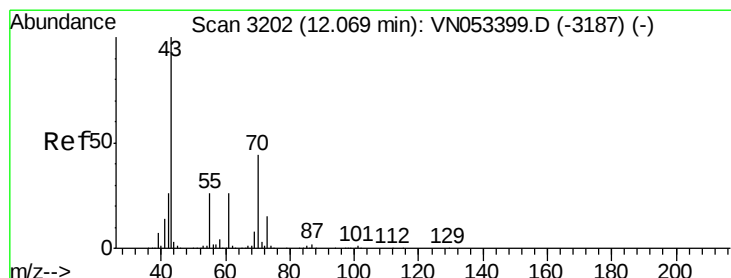
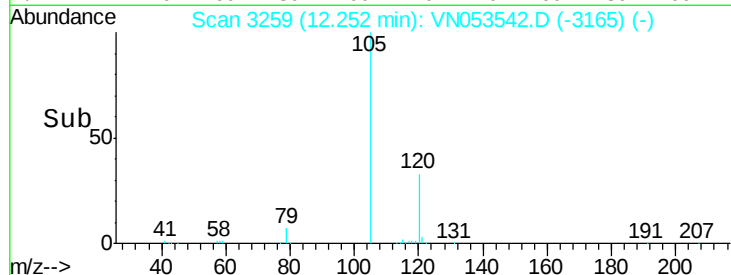
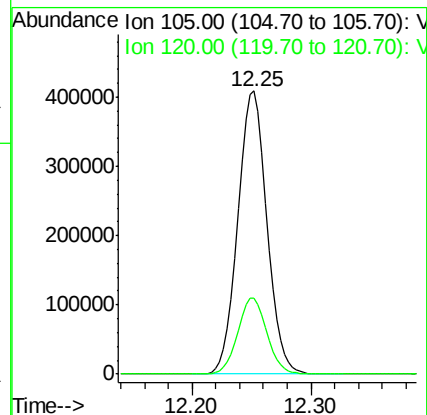
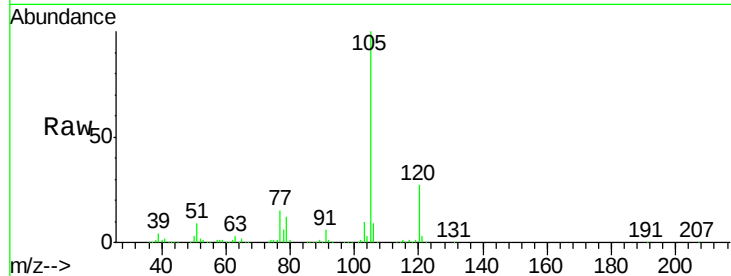
105 100

120 26.9 13.6 40.7

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.566 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Tgt Ion: 43 Resp: 193924

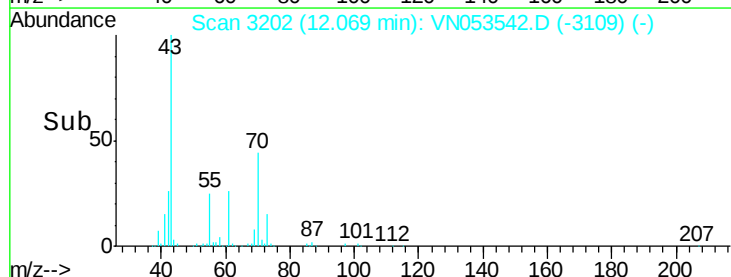
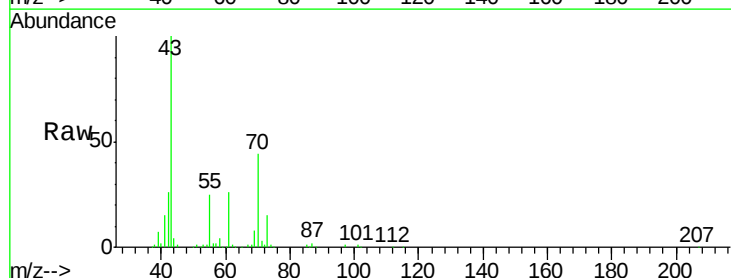
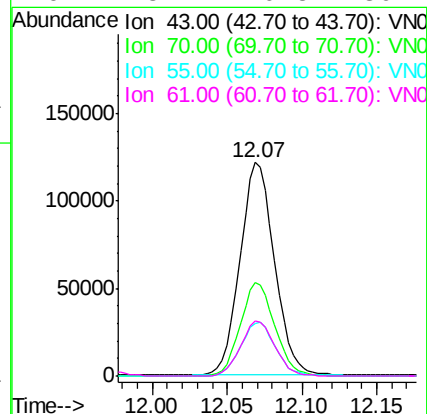
Ion Ratio Lower Upper

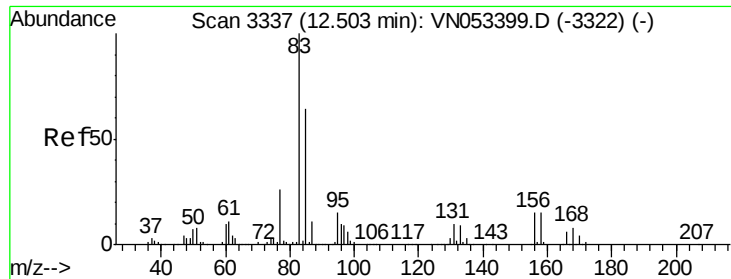
43 100

70 44.3 35.4 53.2

55 25.5 20.9 31.3

61 25.7 20.5 30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 25.477 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

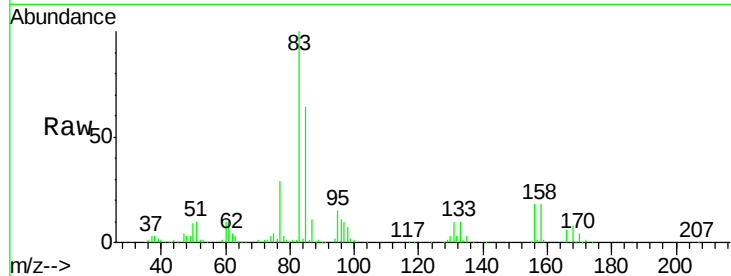
ClientSampleId :

VN0128WBS01

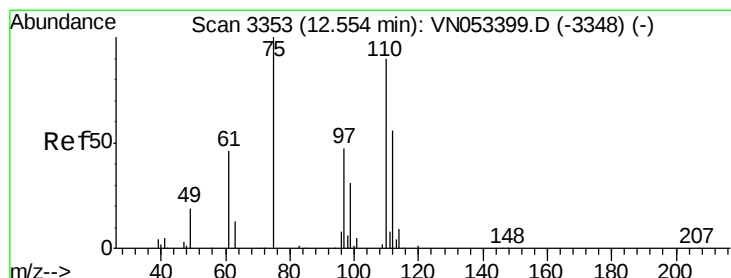
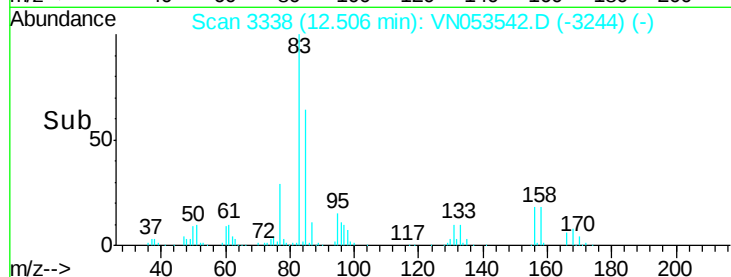
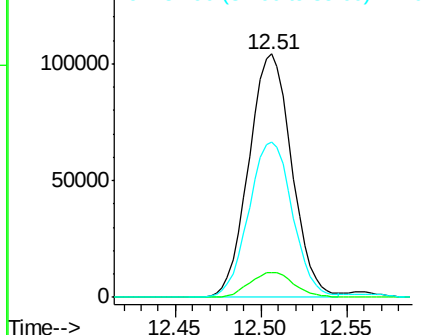
Tot Ion:	83	Resp:	180234
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.8
85	65.1	32.1	96.3

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNC
Ion 130.80 (130.50 to 131.50): VNC
Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 23.040 ug/l m

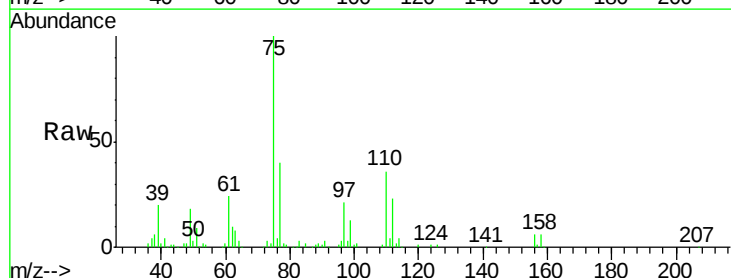
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

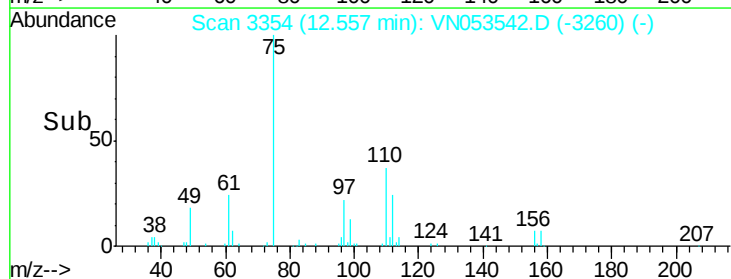
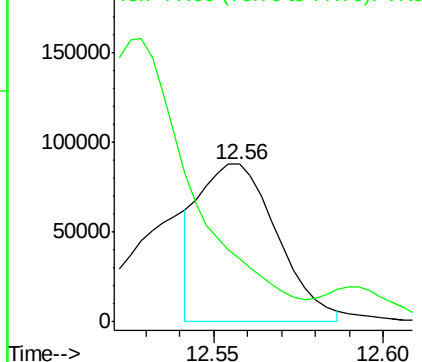
Lab File: VN053542.D

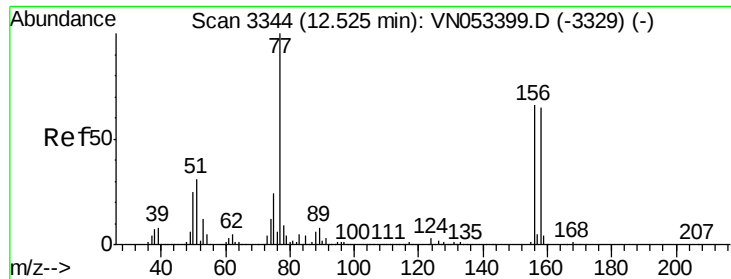
Acq: 28 Jan 2019 13:41

Tgt Ion:	75	Resp:	139857
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 20.812 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

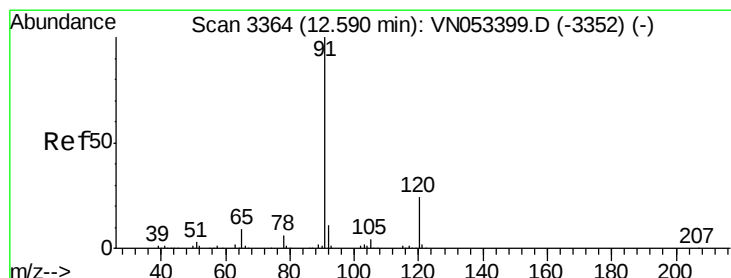
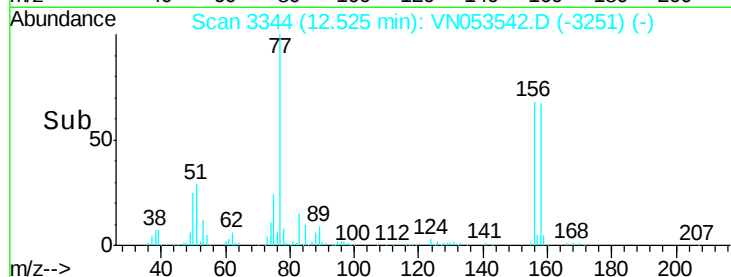
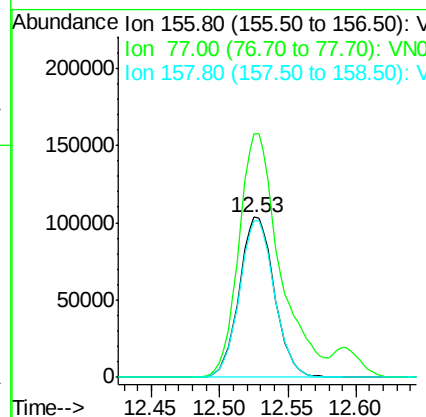
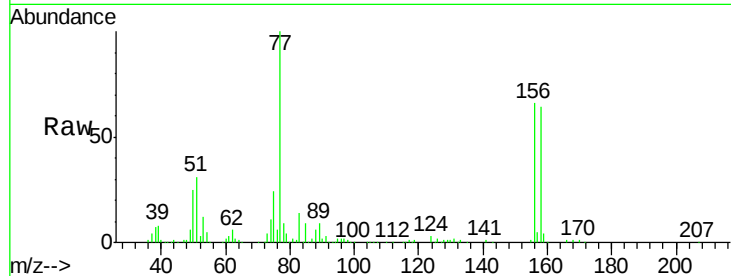
ClientSampleId :

VN0128WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.9	87.9	263.8
158	97.5	48.8	146.4

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#78

n-propylbenzene

Concen: 20.288 ug/l

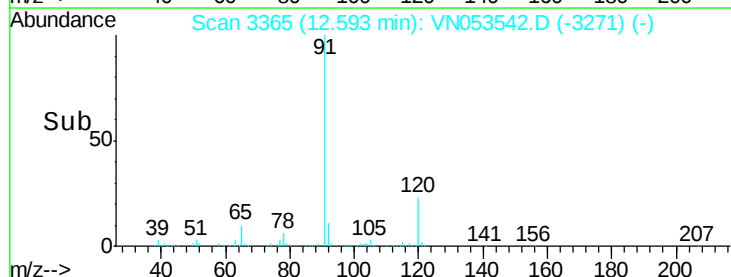
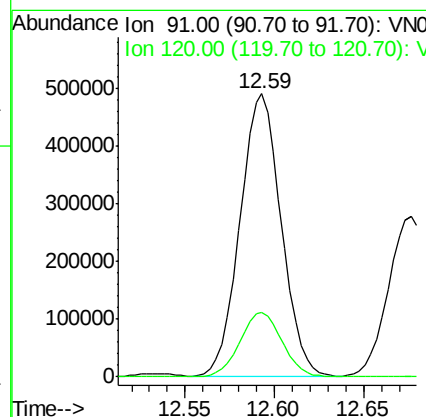
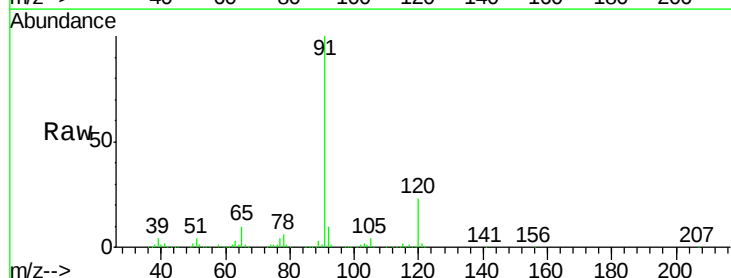
RT: 12.59 min Scan# 3365

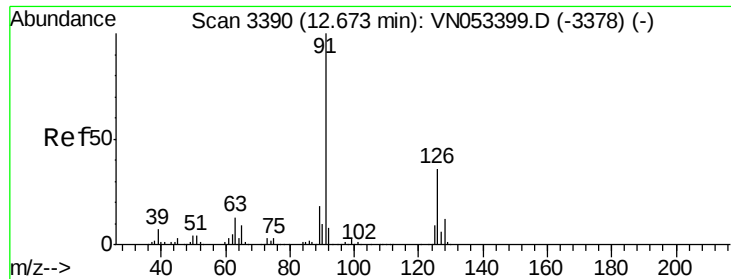
Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.5





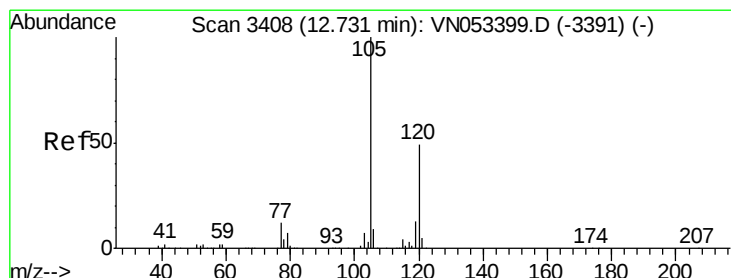
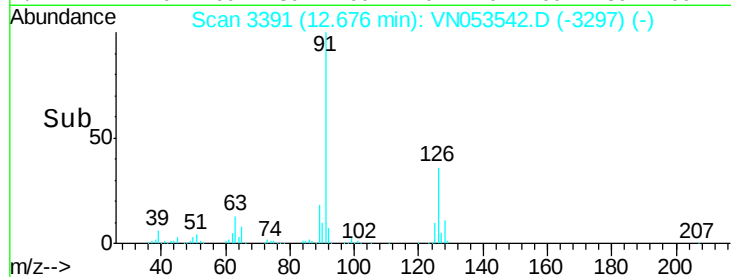
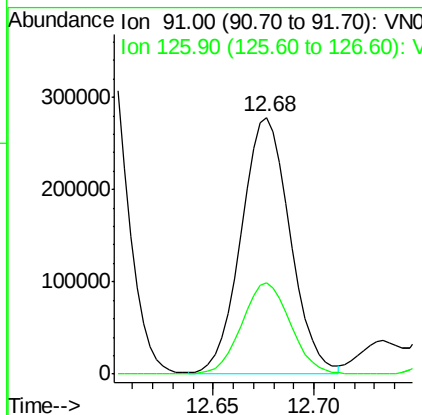
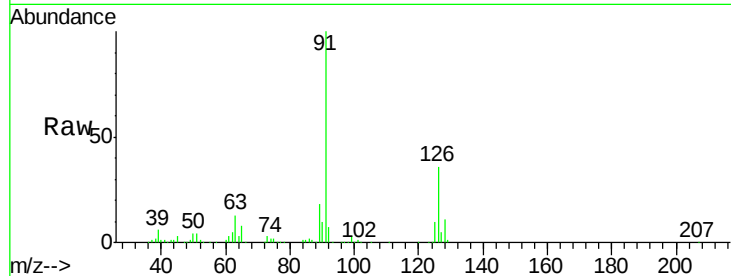
#79
 2-Chlorotoluene
 Concen: 20.469 ug/l
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

Tot Ion: 91 Resp: 469794
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.9 53.7

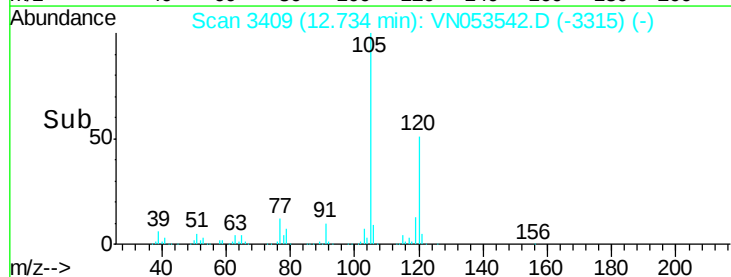
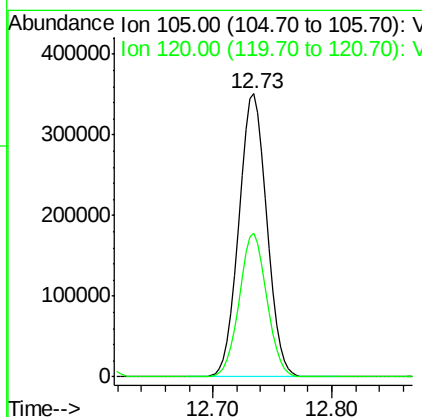
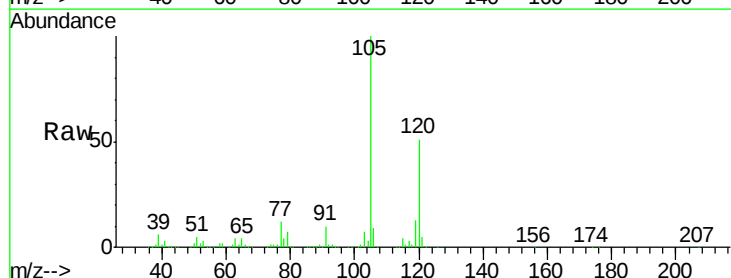
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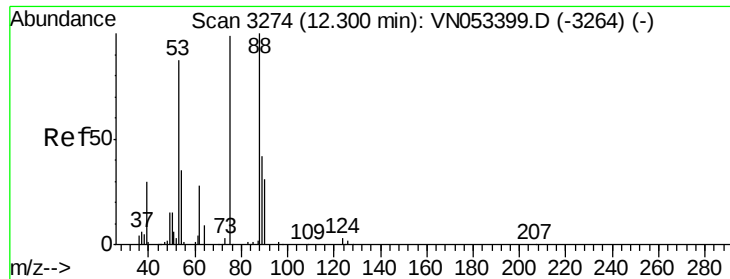
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.787 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion: 105 Resp: 570499
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.9 74.6





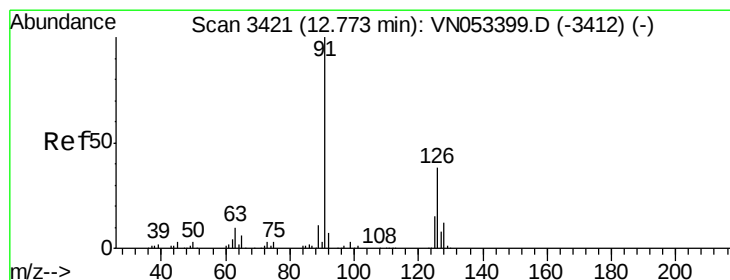
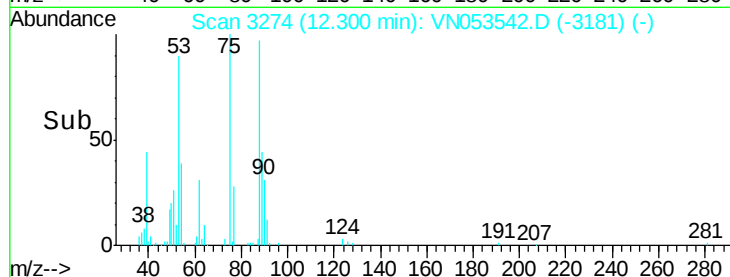
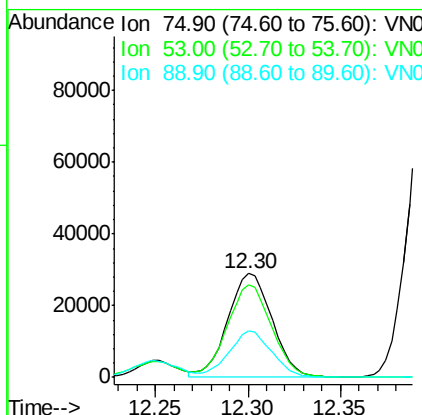
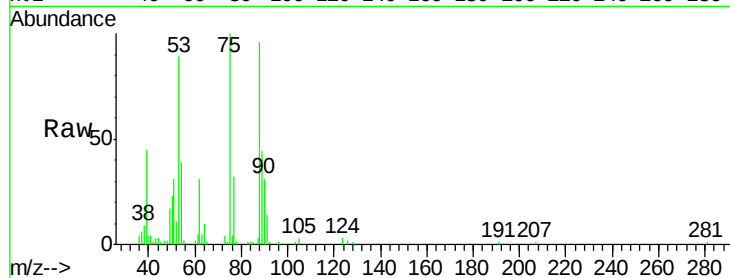
#81
trans-1,4-Dichloro-2-butene
Concen: 21.624 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.4	69.8	104.6
89	43.4	35.6	53.4

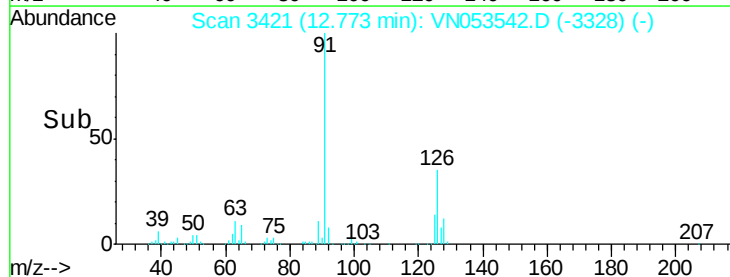
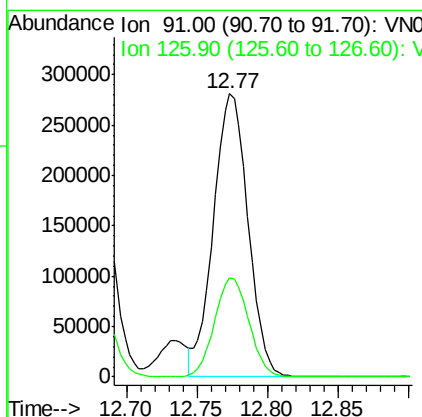
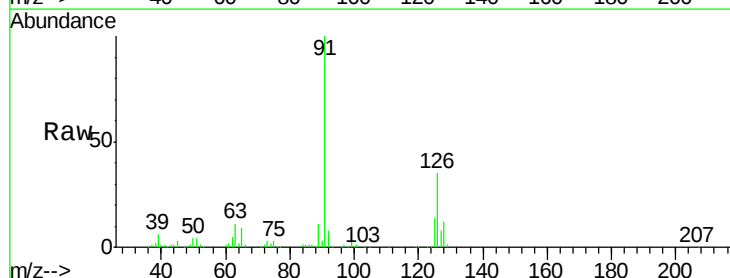
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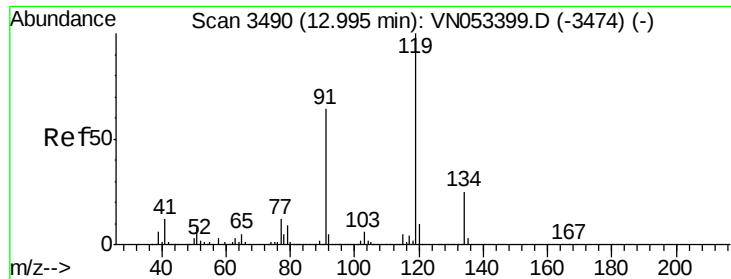
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#82
4-Chlorotoluene
Concen: 20.461 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.6	52.9





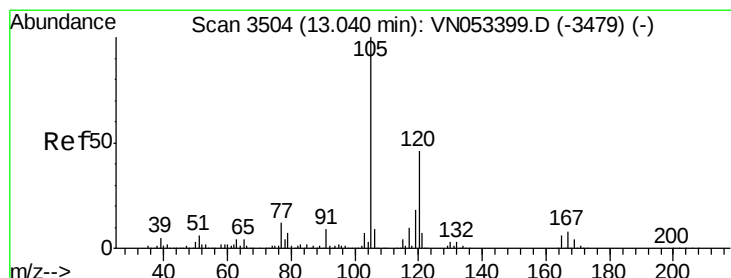
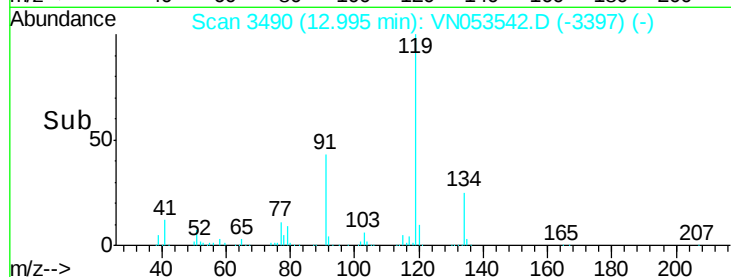
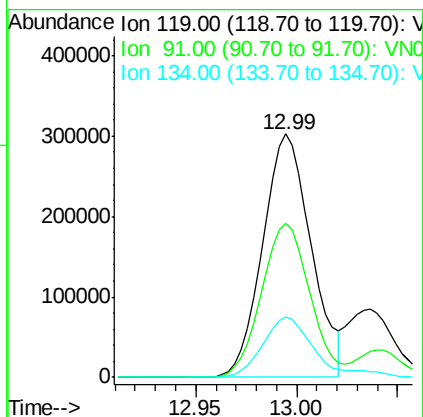
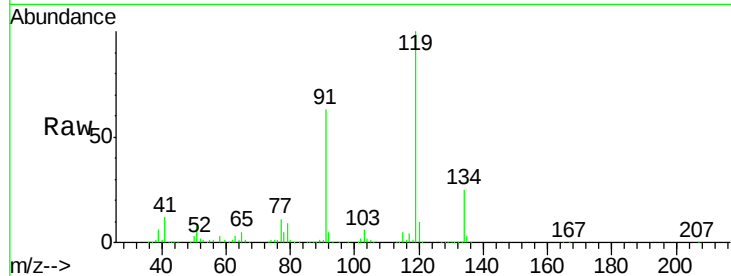
#83
tert-Butylbenzene
Concen: 20.829 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	504899		
91	63.2		31.3	93.8
134	26.8		12.9	38.7

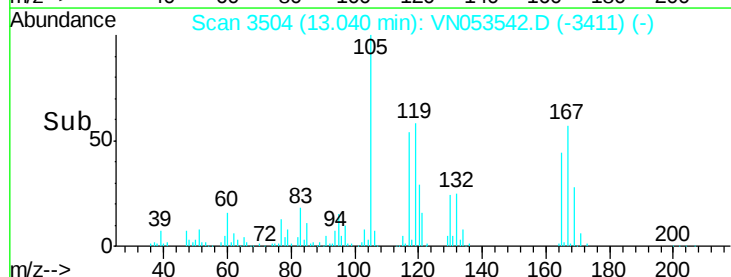
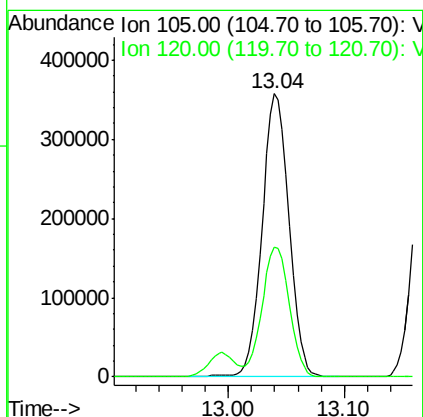
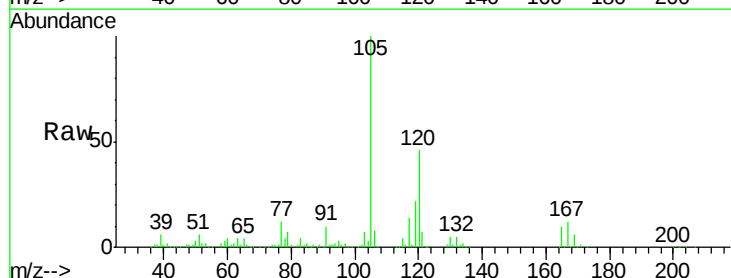
Manual Integrations
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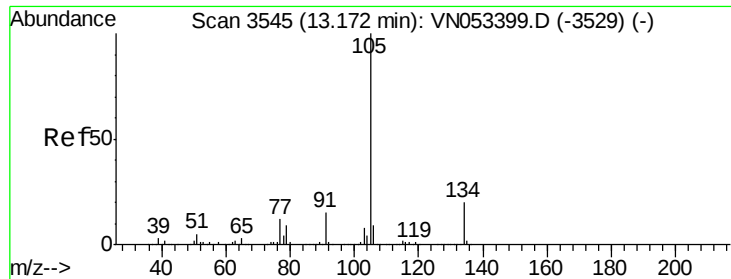
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#84
1,2,4-Trimethylbenzene
Concen: 20.874 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	577659		
120	46.7		23.0	69.0





#85

sec-Butylbenzene

Concen: 20.597 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBS01

Tot Ion:105 Resp: 684746

Ion Ratio Lower Upper

105 100

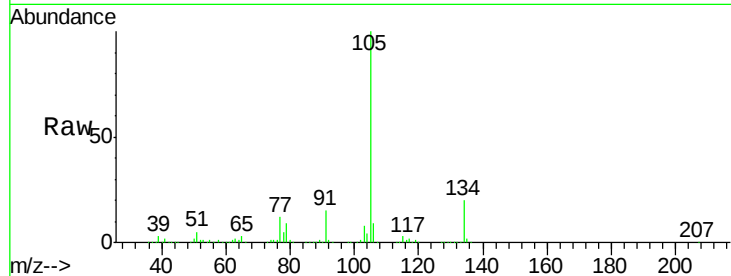
134 20.6 10.2 30.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

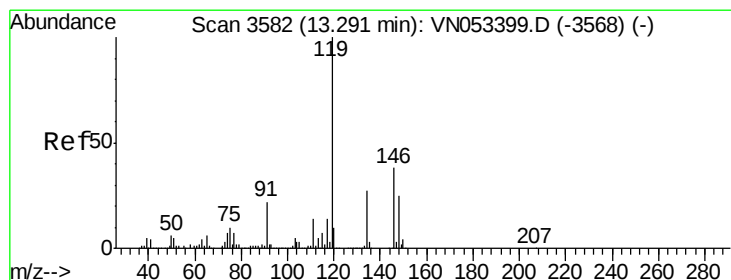
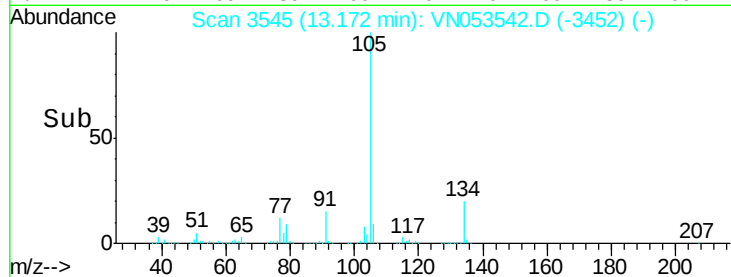
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.507 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

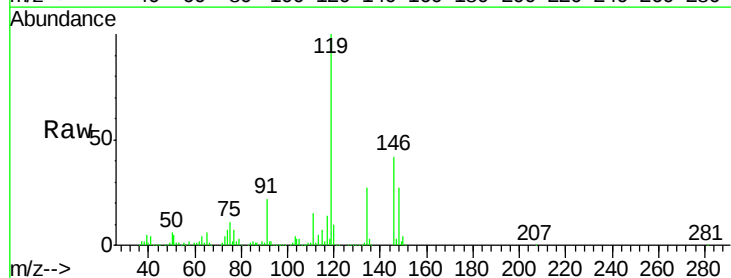
Tgt Ion:119 Resp: 591947

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 22.1 11.0 33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

400000

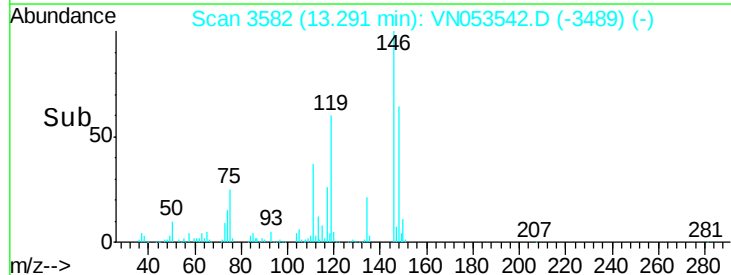
300000

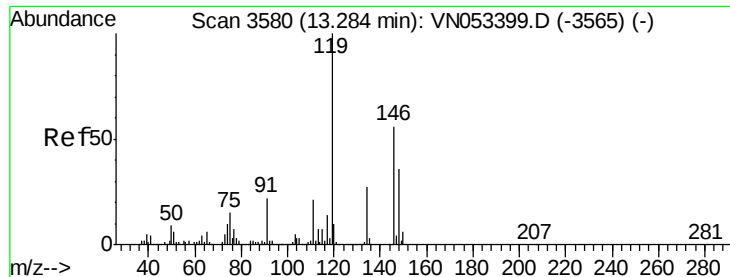
200000

100000

0

Time-->





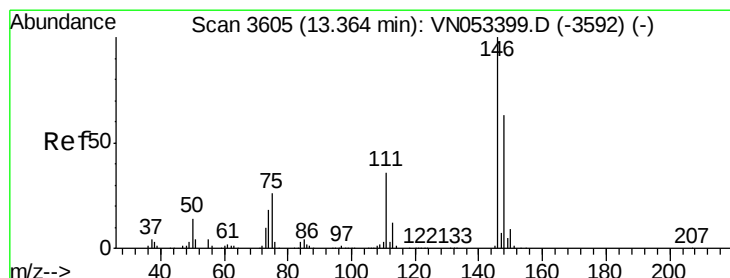
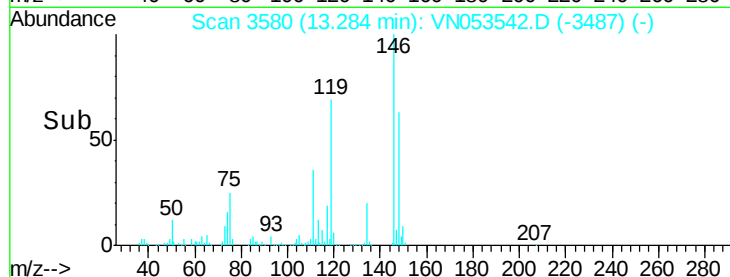
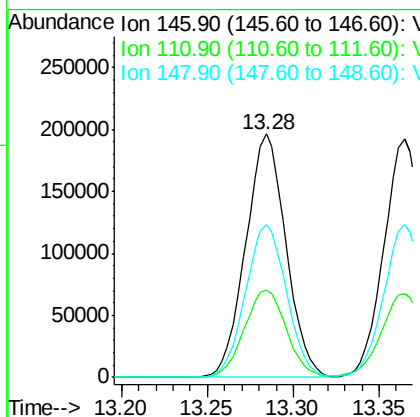
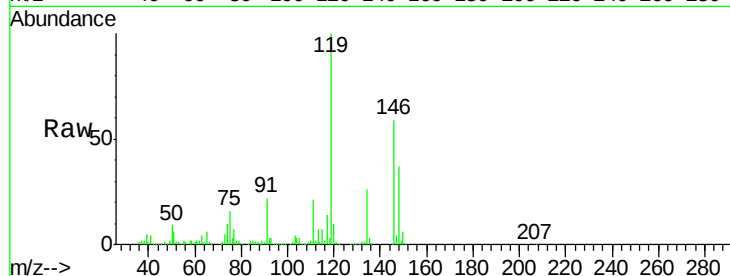
#87
 1,3-Dichlorobenzene
 Concen: 20.369 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0128WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	318470		
111	37.4	18.8	56.3	
148	64.1	32.0	96.2	

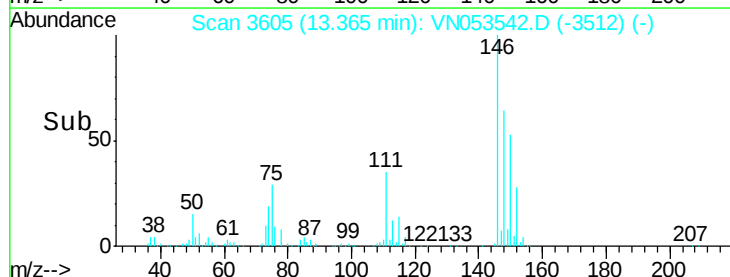
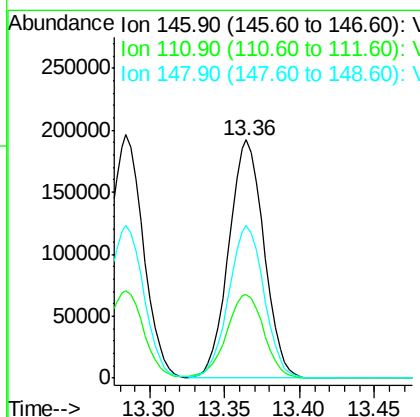
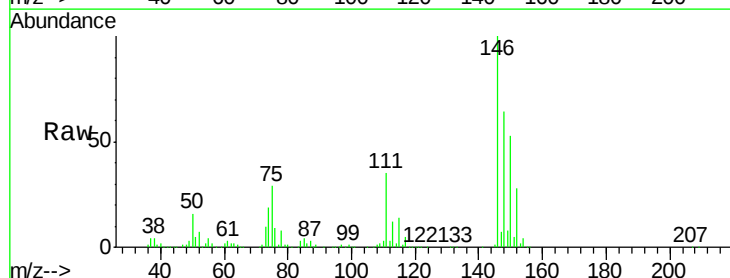
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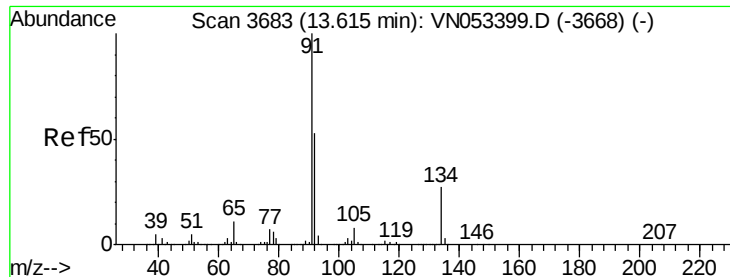
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#88
 1,4-Dichlorobenzene
 Concen: 20.076 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	314862		
111	37.4	18.6	55.8	
148	64.4	32.4	97.0	





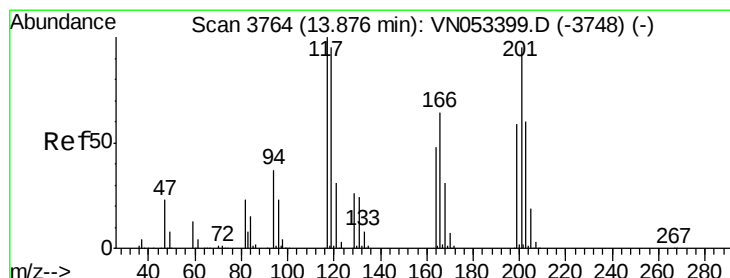
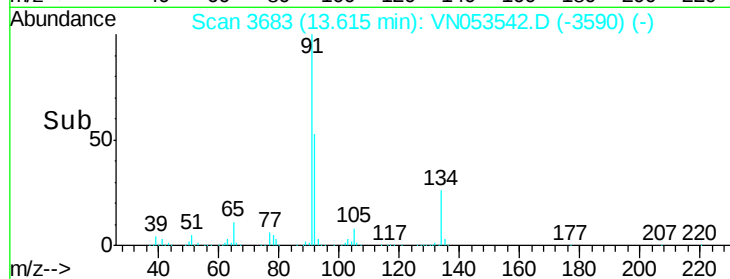
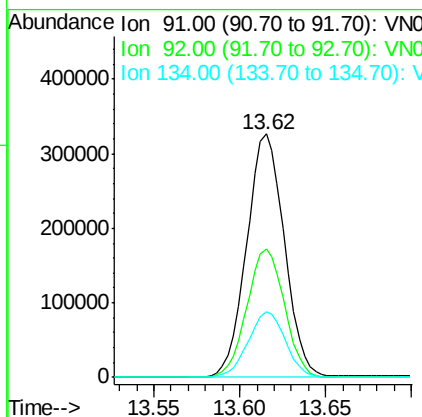
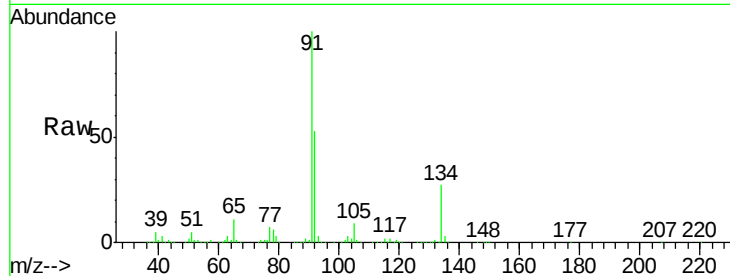
#89
n-Butylbenzene
Concen: 20.242 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :
VN0128WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.8
134	26.6	13.5	40.5

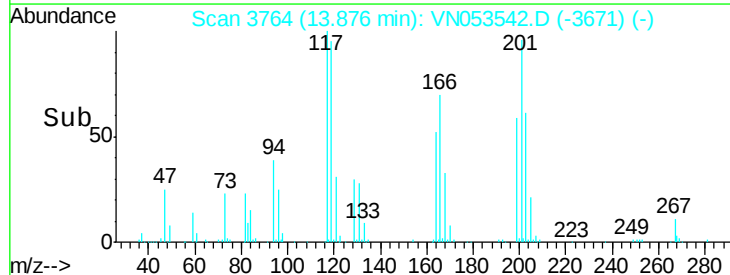
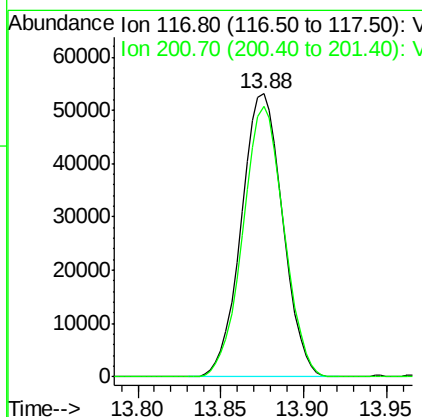
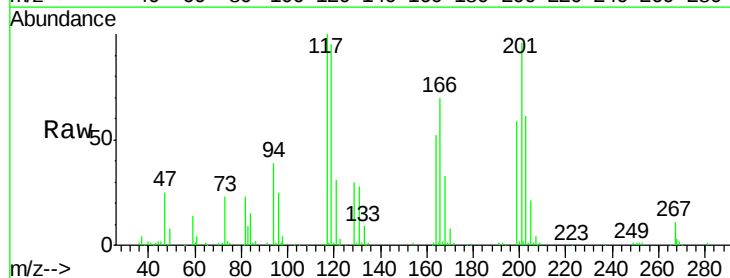
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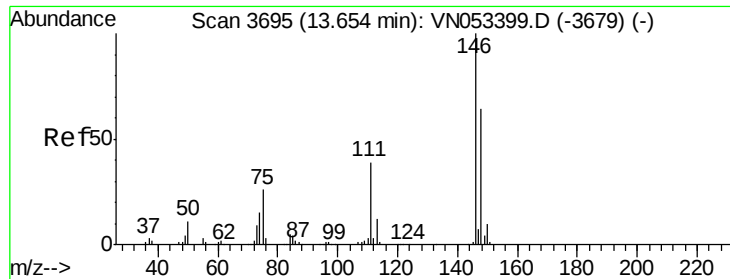
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#90
Hexachloroethane
Concen: 20.453 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053542.D
Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.3	46.8	140.4





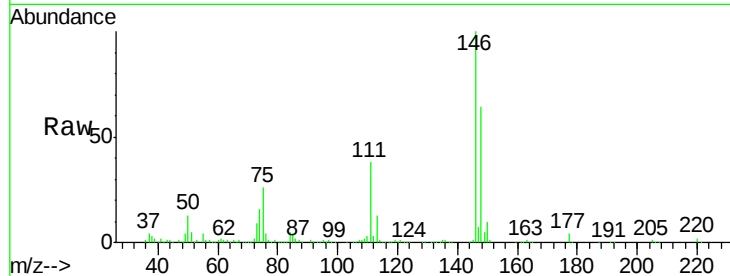
#91
 1,2-Dichlorobenzene
 Concen: 21.844 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBS01

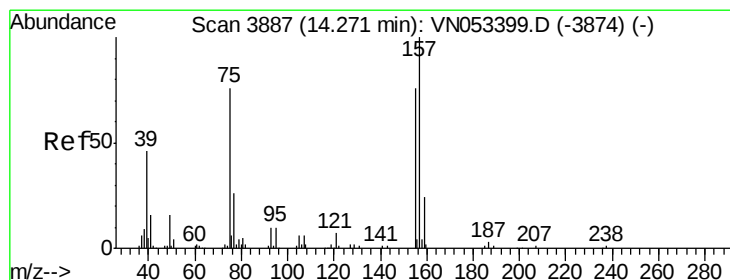
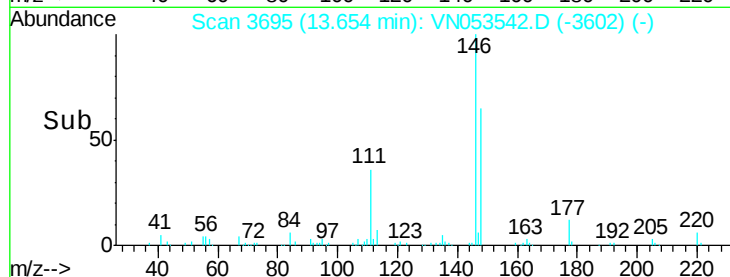
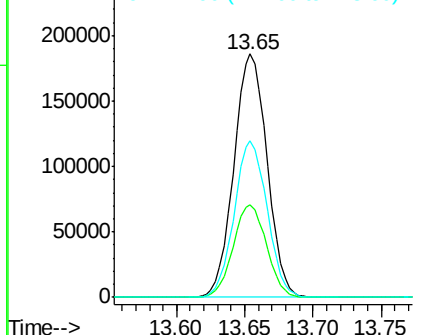
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	63.9	31.9	95.9

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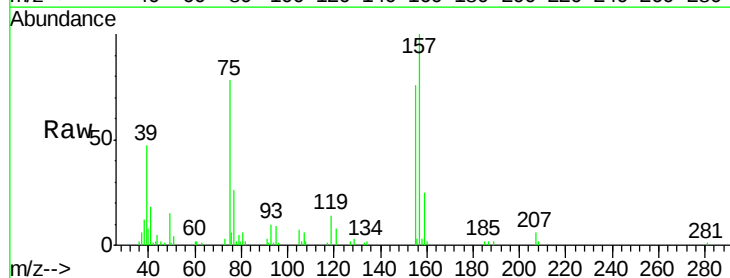


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

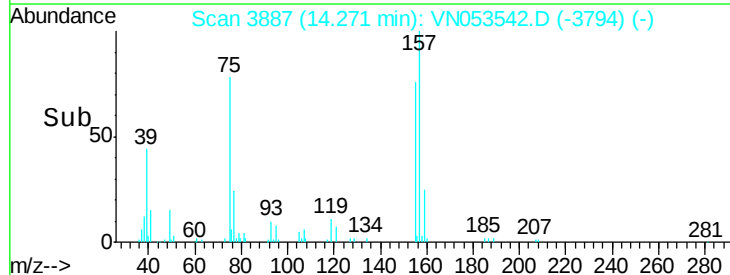
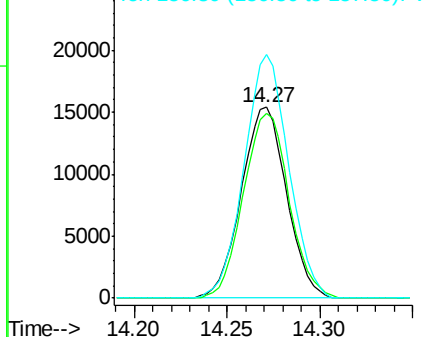


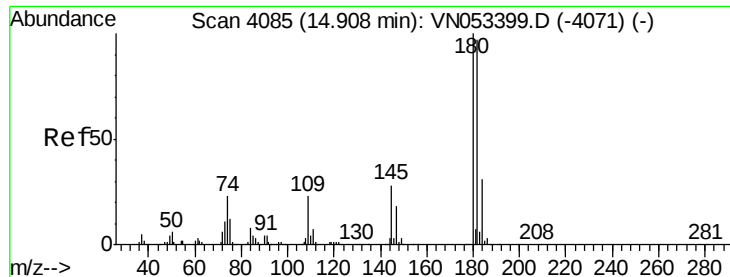
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 29.287 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.4	48.9	146.7
157	125.3	63.7	191.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





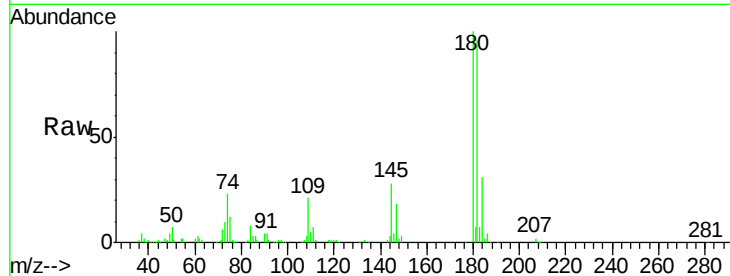
#93
 1,2,4-Trichlorobenzene
 Concen: 30.331 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0128WBS01

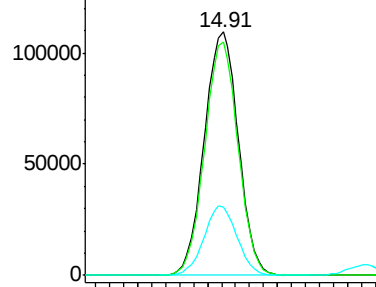
Tot Ion	Ratio	Resp	Lower	Upper
180	100	185193		
182	93.9	48.1	144.3	
145	27.8	13.9	41.6	

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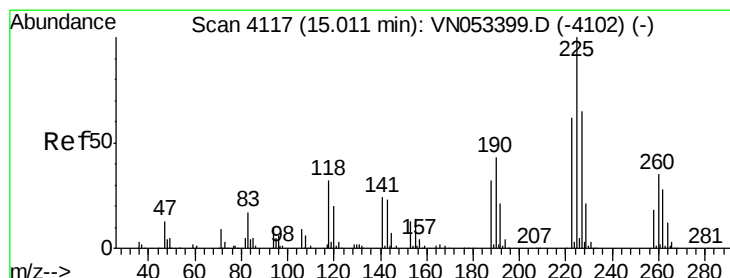
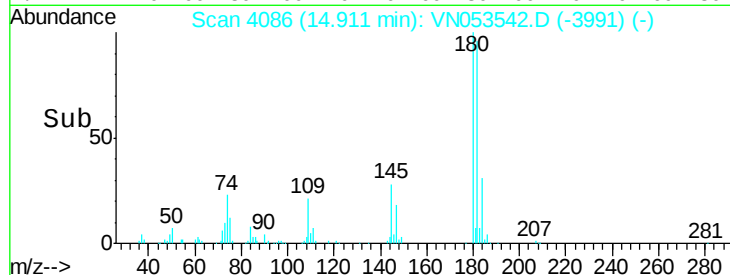
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

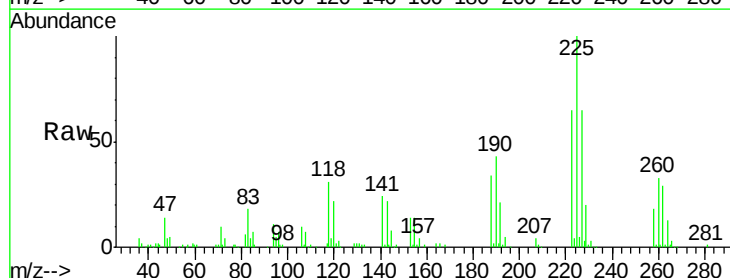


Time-->

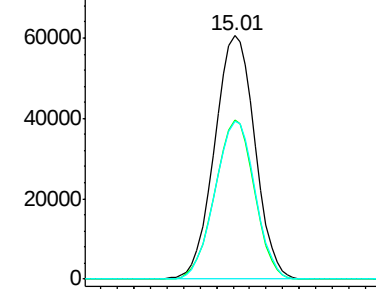


#94
 Hexachlorobutadiene
 Concen: 22.819 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053542.D
 Acq: 28 Jan 2019 13:41

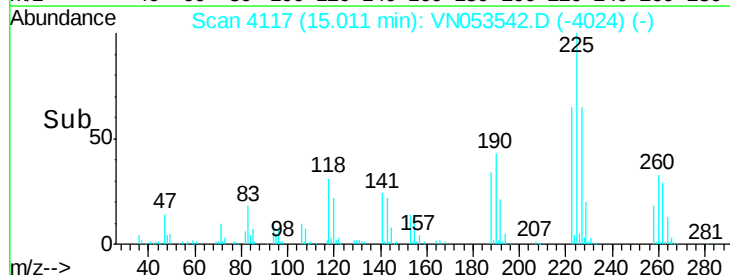
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	102394		
223	64.1	31.1	93.2	
227	64.5	32.0	96.2	

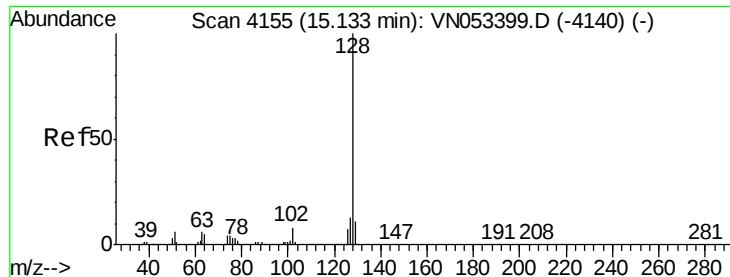


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 40.248 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Instrument :

MSVOA_N

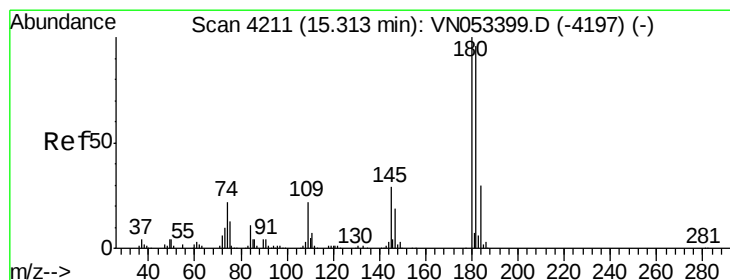
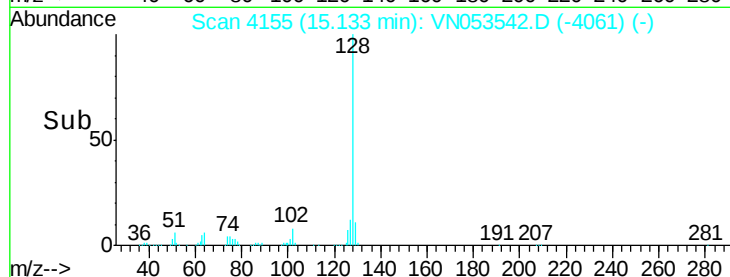
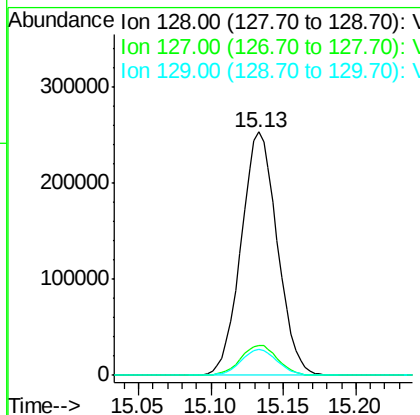
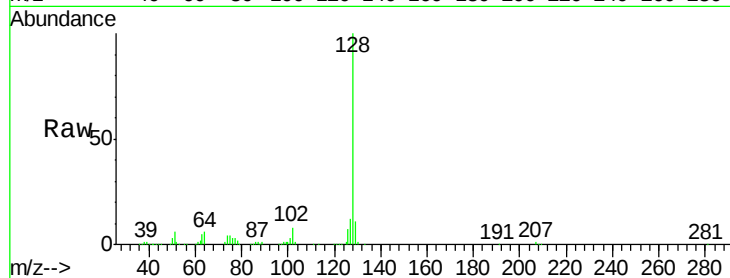
ClientSampleId :

VN0128WBS01

Tot Ion:	128	Resp:	438888
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.7	8.6	13.0

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#96

1,2,3-Trichlorobenzene

Concen: 39.102 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053542.D

Acq: 28 Jan 2019 13:41

Tgt Ion:	180	Resp:	177305
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.8
145	29.9	14.7	44.1

