

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041419\
 Data File : VN055029.D
 Acq On : 13 Apr 2019 15:02
 Operator : JC/SP
 Sample : VN0414WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/17/2019 10:04:11 AM

Quant Time: Apr 14 03:46:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	394939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	655579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	565954	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	224080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	266079	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	7.59	113	213652	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.09	98	779015	50.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	252780	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	88229	20.253	ug/l	99
3) Chloromethane	2.06	50	115625	19.793	ug/l	100
4) Vinyl Chloride	2.19	62	96634	20.385	ug/l	99
5) Bromomethane	2.54	94	51778	18.869	ug/l	95
6) Chloroethane	2.70	64	51887	19.848	ug/l	98
7) Trichlorofluoromethane	3.01	101	118924	20.000	ug/l	98
8) Diethyl Ether	3.41	74	38499	20.587	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	58909	18.994	ug/l	98
10) Methyl Iodide	3.94	142	88268	19.734	ug/l	99
11) Tert butyl alcohol	4.84	59	31124	102.052	ug/l #	72
12) 1,1-Dichloroethene	3.73	96	59971	19.640	ug/l	91
13) Acrolein	3.60	56	36529	99.229	ug/l	97
14) Allyl chloride	4.31	41	150367	20.154	ug/l	99
15) Acrylonitrile	5.00	53	185626	110.351	ug/l	99
16) Acetone	3.82	43	126442	92.867	ug/l	99
17) Carbon Disulfide	4.04	76	165565	16.647	ug/l	99
18) Methyl Acetate	4.33	43	88854	21.053	ug/l	97
19) Methyl tert-butyl Ether	5.06	73	233353	21.389	ug/l	98
20) Methylene Chloride	4.54	84	93114	20.167	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	83220	20.688	ug/l	97
22) Diisopropyl ether	5.96	45	316483	20.922	ug/l	99
23) Vinyl Acetate	5.90	43	1121964	106.043	ug/l	99
24) 1,1-Dichloroethane	5.85	63	167745	20.532	ug/l	99
25) 2-Butanone	6.85	43	228012	108.734	ug/l	98
26) 2,2-Dichloropropane	6.82	77	99996	18.500	ug/l	78
27) cis-1,2-Dichloroethene	6.83	96	96077	20.560	ug/l	99
28) Bromochloromethane	7.19	49	82635	21.318	ug/l	100
29) Tetrahydrofuran	7.22	42	154728	112.558	ug/l	99
30) Chloroform	7.37	83	161539	20.735	ug/l	99
31) Cyclohexane	7.65	56	148662	18.818	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	128922	20.772	ug/l	98
36) 1,1-Dichloropropene	7.79	75	113238	18.690	ug/l	99
37) Ethyl Acetate	6.94	43	103355	22.723	ug/l	97
38) Carbon Tetrachloride	7.77	117	104772	18.371	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	113430	16.353	ug/l	97
40) Benzene	8.04	78	358598	19.576	ug/l	99
41) Methacrylonitrile	7.18	41	52245	18.667	ug/l	97
42) 1,2-Dichloroethane	8.13	62	128415	19.928	ug/l	100
43) Isopropyl Acetate	8.17	43	160504	20.637	ug/l	98
44) Trichloroethene	8.83	130	90571	19.347	ug/l	98
45) 1,2-Dichloropropane	9.12	63	102666	19.861	ug/l	98
46) Dibromomethane	9.21	93	59597	20.121	ug/l	99
47) Bromodichloromethane	9.40	83	115039	19.099	ug/l	99
48) Methyl methacrylate	9.20	41	79449	19.830	ug/l	97
49) 1,4-Dioxane	9.21	88	13781	319.831	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	480844	105.589	ug/l	98
52) Toluene	10.16	92	211132	19.489	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	101241	18.562	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	129596	19.289	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	80894	20.045	ug/l	98
56) Ethyl methacrylate	10.43	69	104363	20.097	ug/l	99
57) 1,3-Dichloropropane	10.71	76	143431	20.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	205531	99.873	ug/l	97
59) 2-Hexanone	10.75	43	297524	104.551	ug/l	99
60) Dibromochloromethane	10.90	129	78587	19.563	ug/l	99
61) 1,2-Dibromoethane	11.01	107	76613	19.828	ug/l	100
64) Tetrachloroethene	10.63	164	83938	18.960	ug/l	96
65) Chlorobenzene	11.43	112	217057	19.890	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	78562	19.535	ug/l	98
67) Ethyl Benzene	11.51	91	387316	19.322	ug/l	99
68) m/p-Xylenes	11.62	106	286392	39.051	ug/l	100
69) o-Xylene	11.95	106	142282	19.608	ug/l	98
70) Styrene	11.96	104	232922	20.245	ug/l	99
71) Bromoform	12.13	173	47973	19.082	ug/l #	99
73) Isopropylbenzene	12.25	105	366049	19.213	ug/l	99
74) N-amyl acetate	12.07	43	123088	21.434	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	103893	21.062	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	95926m	23.269	ug/l	
77) Bromobenzene	12.53	156	92835	21.197	ug/l	100
78) n-propylbenzene	12.59	91	392057	18.888	ug/l	100
79) 2-Chlorotoluene	12.67	91	253442	19.765	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	292840	18.881	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	19095	19.118	ug/l	92
82) 4-Chlorotoluene	12.77	91	239082	19.279	ug/l	99
83) tert-Butylbenzene	12.99	119	248823	18.727	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	286335	19.253	ug/l	98
85) sec-Butylbenzene	13.17	105	307929	18.151	ug/l	100
86) p-Isopropyltoluene	13.29	119	266489	18.060	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	146460	19.243	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	137990	18.956	ug/l	99
89) n-Butylbenzene	13.61	91	186636	16.104	ug/l	99
90) Hexachloroethane	13.87	117	40109	16.450	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	148902	20.153	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13724	21.397	ug/l	98

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ClientSampleId :
VN0414WBS01

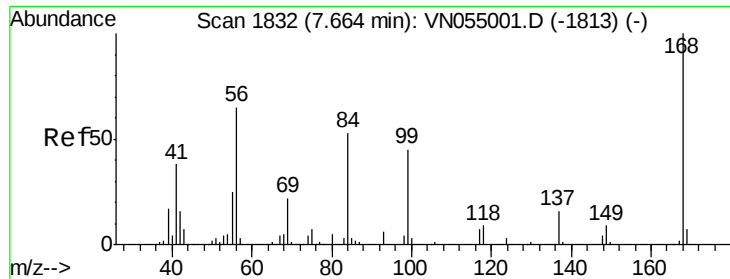
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	50382	16.291	ug/l	99
94) Hexachlorobutadiene	15.01	225	41749	17.423	ug/l	96
95) Naphthalene	15.13	128	124761	17.882	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	56506	16.953	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion:168 Resp: 394939

Ion Ratio Lower Upper

168 100

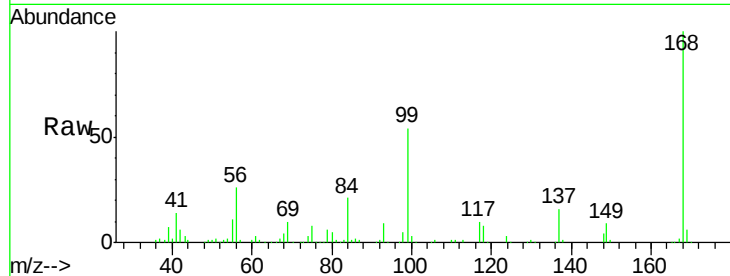
99 53.0 41.9 62.9

Manual Integrations

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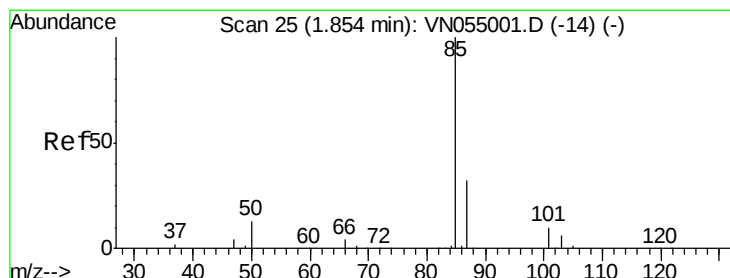
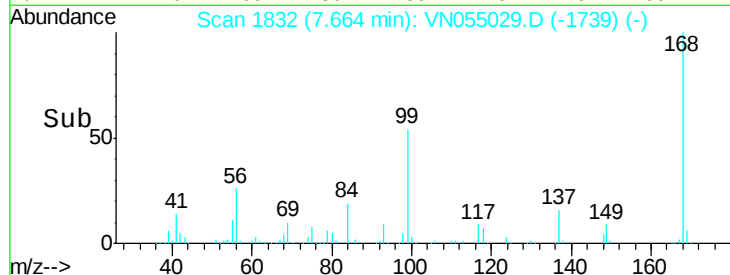
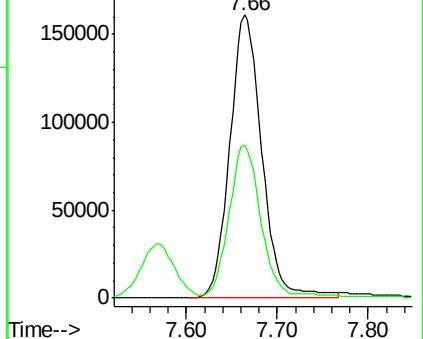
MMDadoda

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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: 20.253 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055029.D

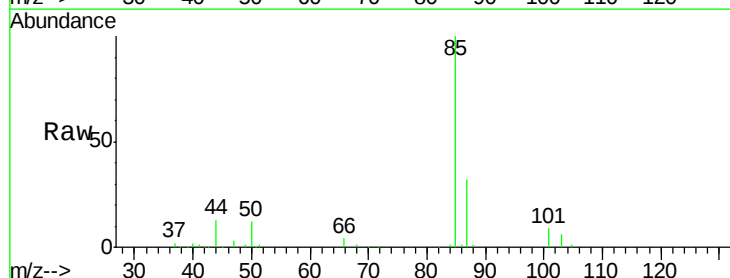
Acq: 13 Apr 2019 15:02

Tgt Ion: 85 Resp: 88229

Ion Ratio Lower Upper

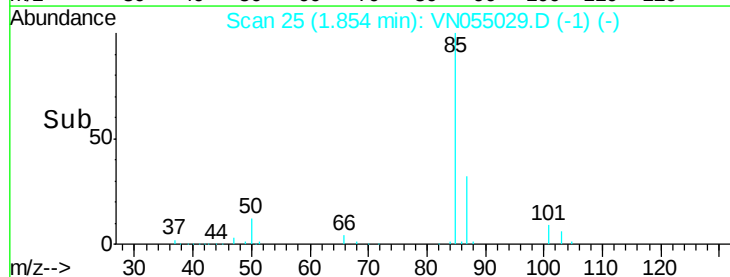
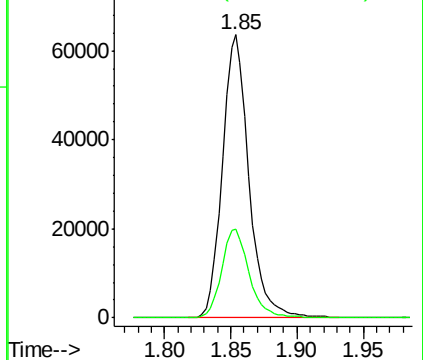
85 100

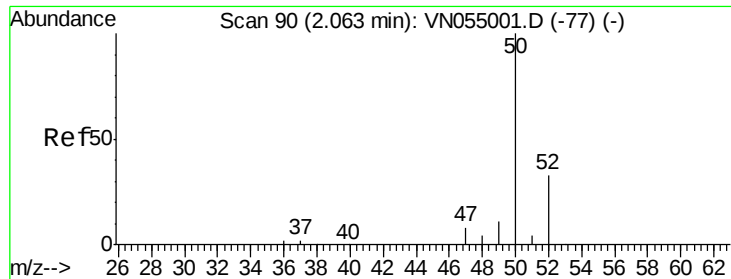
87 31.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.793 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 50 Resp: 115625

Ion Ratio Lower Upper

50 100

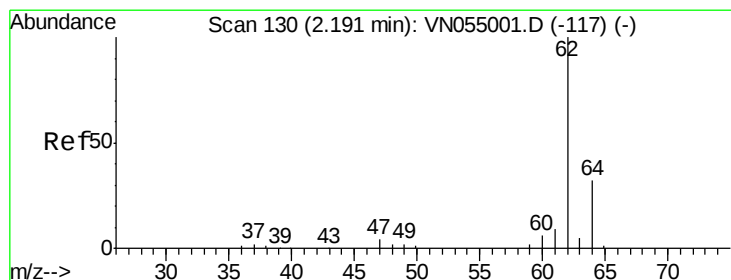
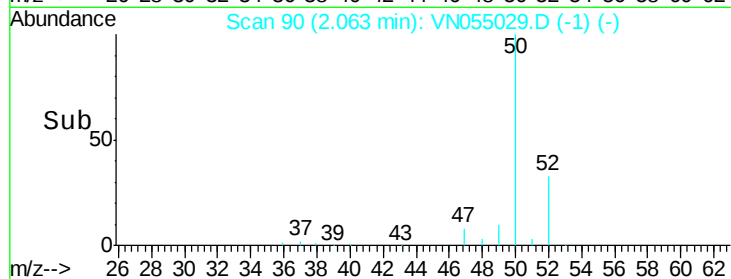
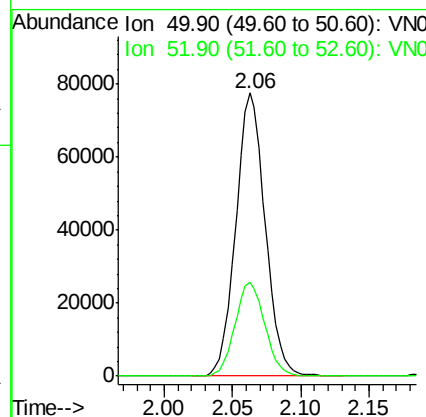
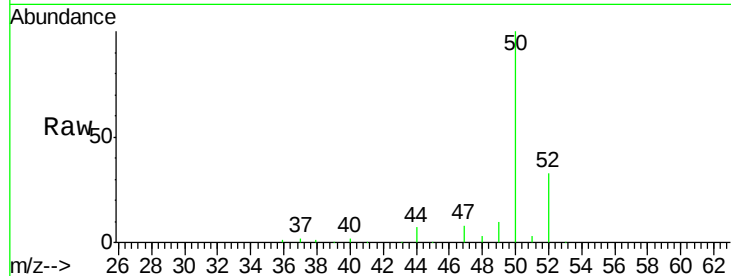
52 33.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.385 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055029.D

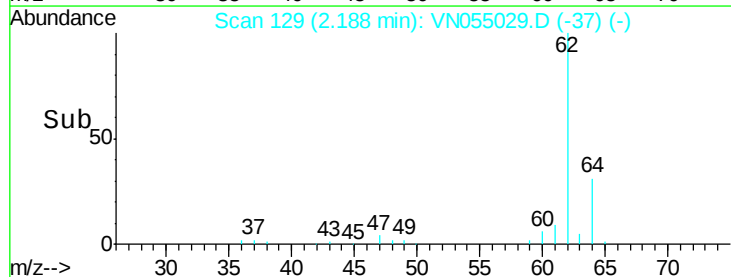
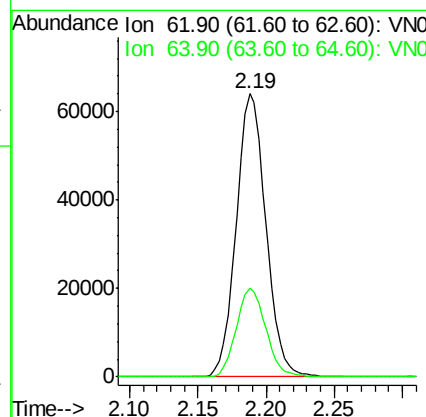
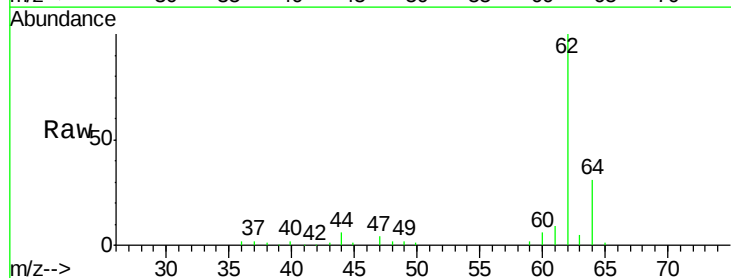
Acq: 13 Apr 2019 15:02

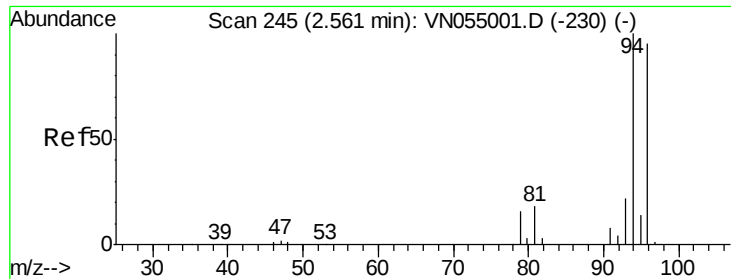
Tgt Ion: 62 Resp: 96634

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.6





#5

Bromomethane

Concen: 18.869 ug/l

RT: 2.54 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 94 Resp: 51778

Ion Ratio Lower Upper

94 100

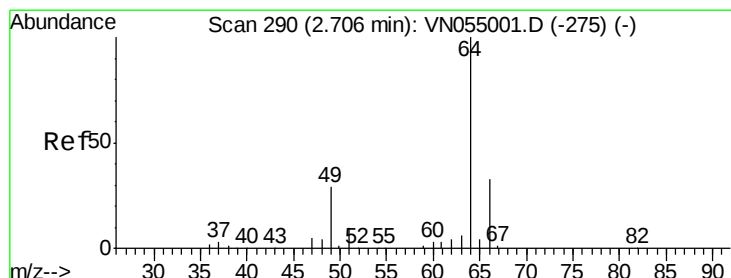
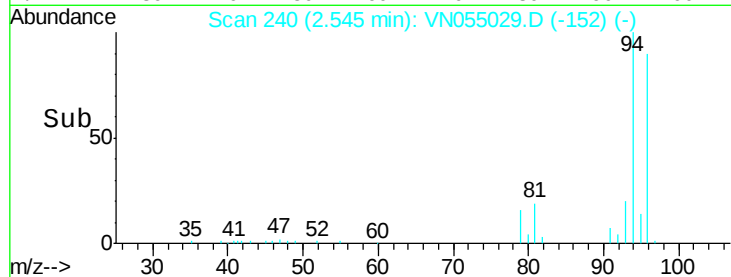
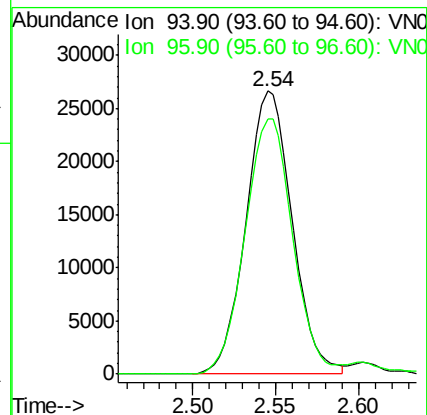
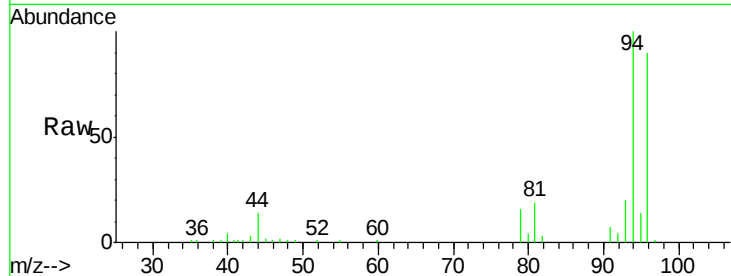
96 90.0 76.2 114.4

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#6

Chloroethane

Concen: 19.848 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN055029.D

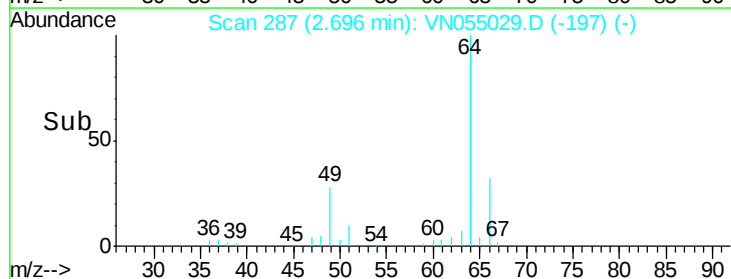
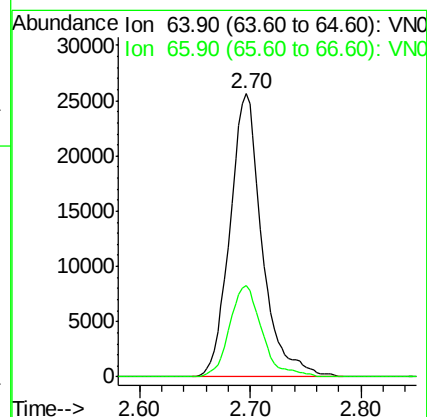
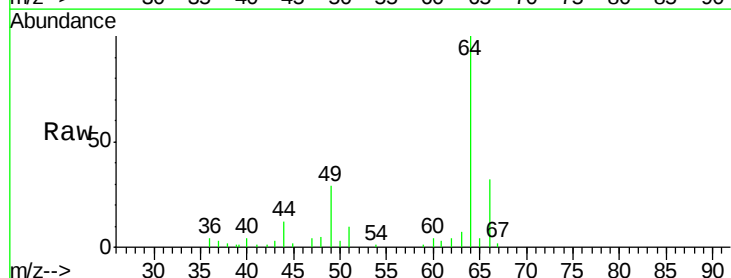
Acq: 13 Apr 2019 15:02

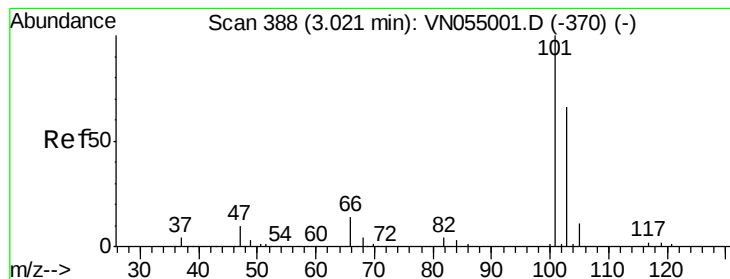
Tgt Ion: 64 Resp: 51887

Ion Ratio Lower Upper

64 100

66 32.3 26.6 40.0





#7

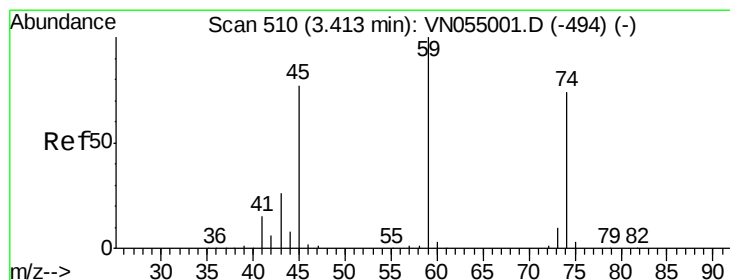
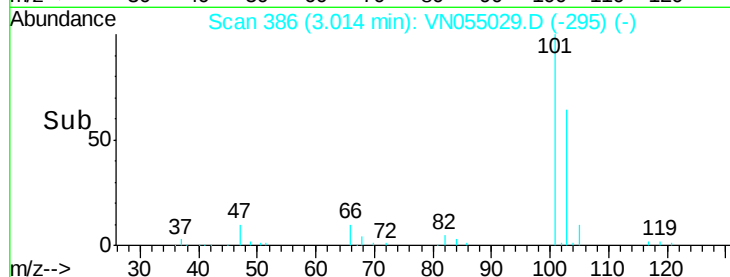
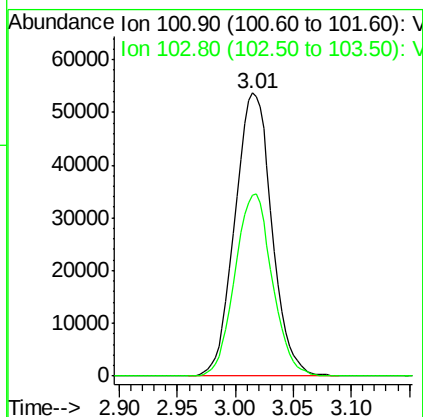
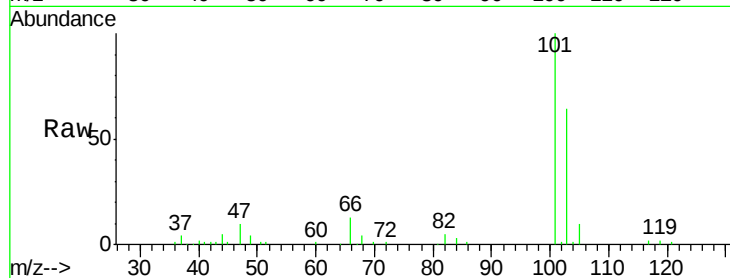
Trichlorofluoromethane
 Concen: 20.000 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

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 ClientSampleId :
 VN0414WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	52.5	78.7

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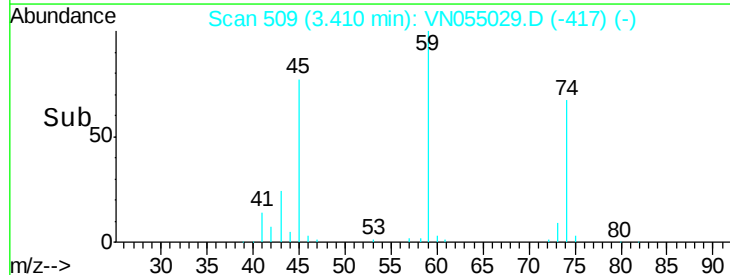
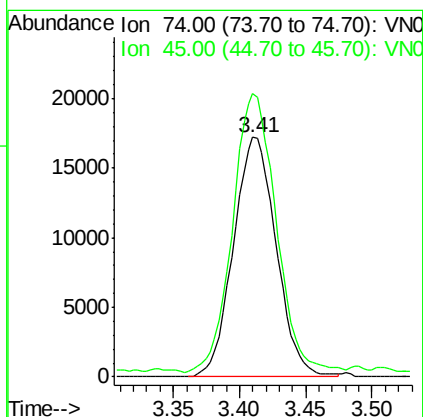
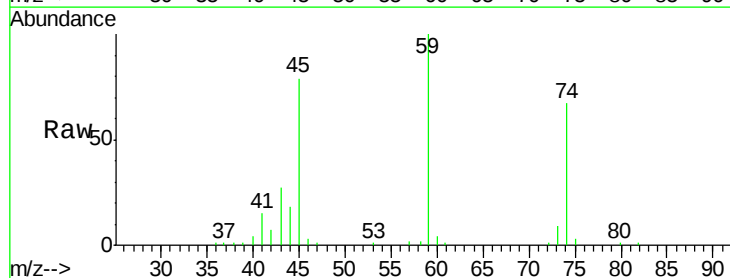
MMDadoda
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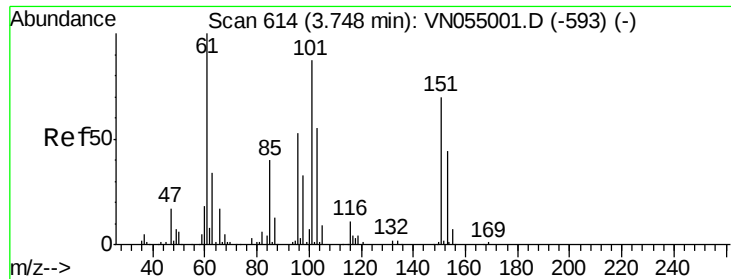


#8

Diethyl Ether
 Concen: 20.587 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	118.1	55.7	167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.994 ug/l

RT: 3.75 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

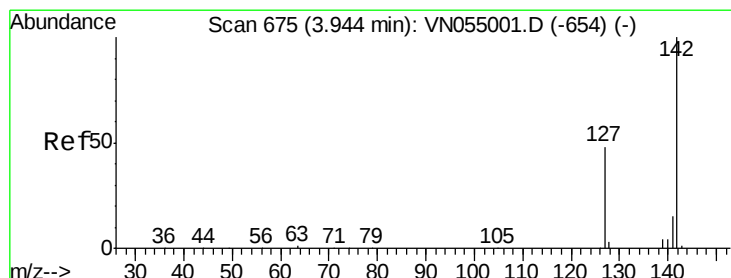
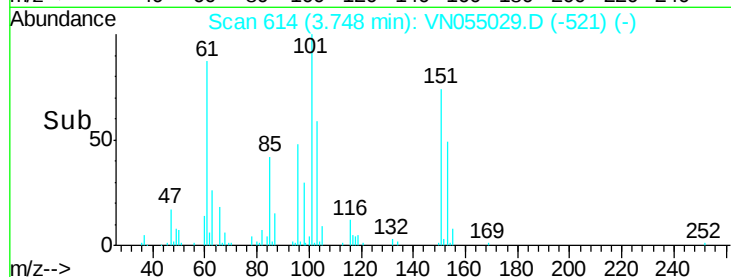
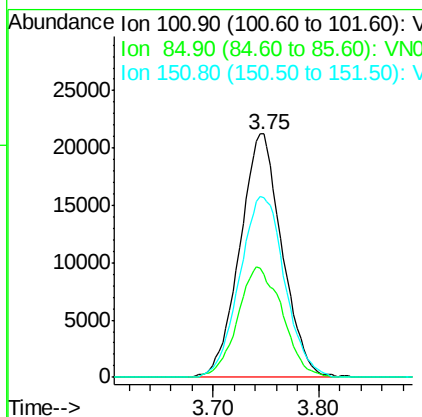
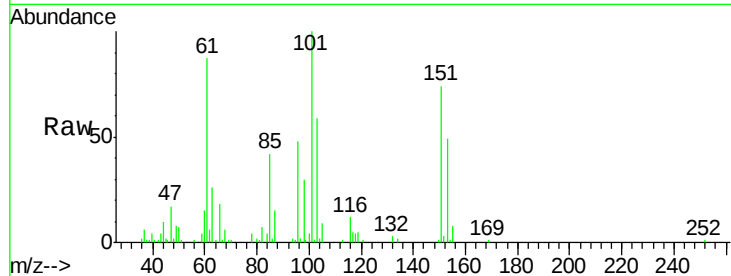
ClientSampleId :

VN0414WBS01

Tot Ion:	101	Resp:	58909
Ion Ratio	Lower	Upper	
101	100		
85	48.1	36.9	55.3
151	79.6	64.4	96.6

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#10

Methyl Iodide

Concen: 19.734 ug/l

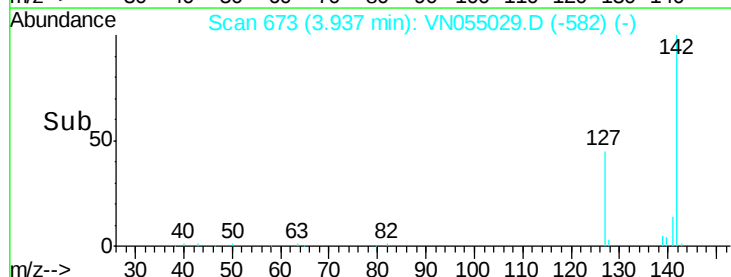
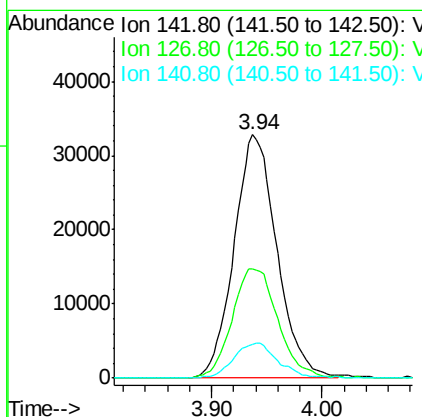
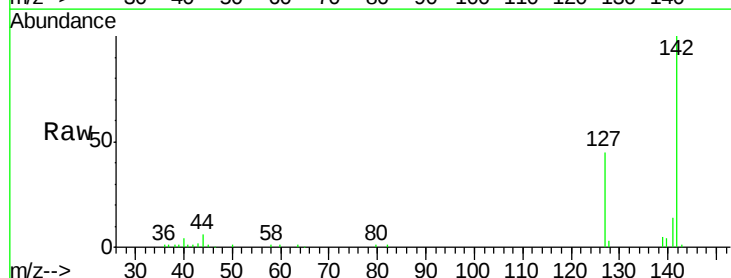
RT: 3.94 min Scan# 673

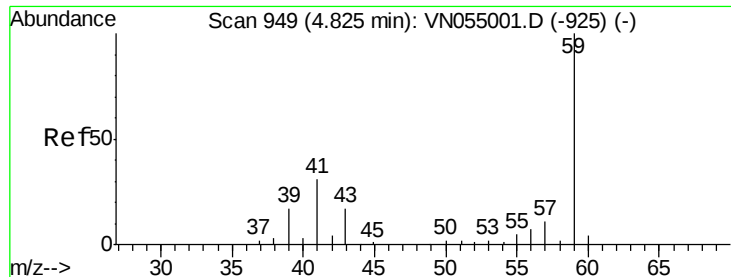
Delta R.T. -0.01 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Tgt Ion:	142	Resp:	88268
Ion Ratio	Lower	Upper	
142	100		
127	47.9	37.9	56.9
141	14.8	11.8	17.8





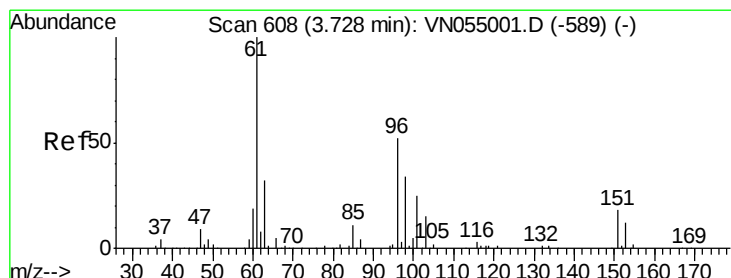
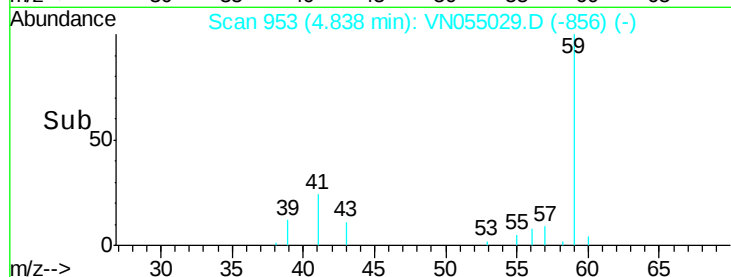
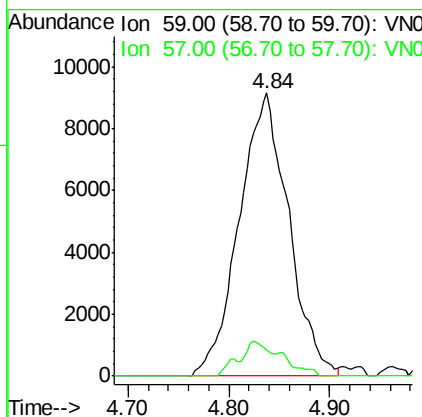
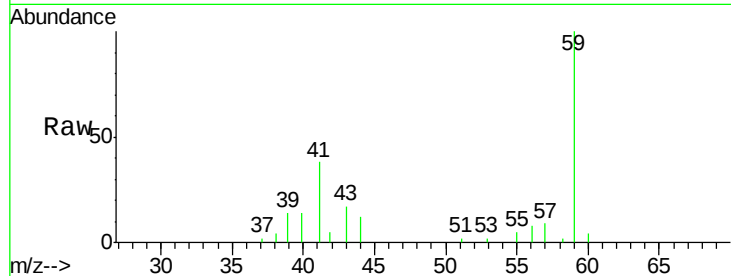
#11
Tert butyl alcohol
Concen: 102.052 ug/l
RT: 4.84 min Scan# 953
Delta R.T. 0.01 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampled :
VN0414WBS01

Tot Ion: 59 Resp: 31124
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

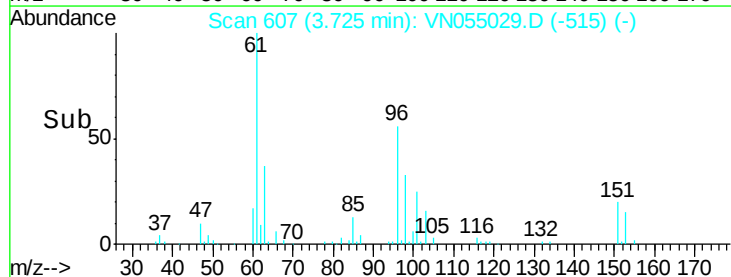
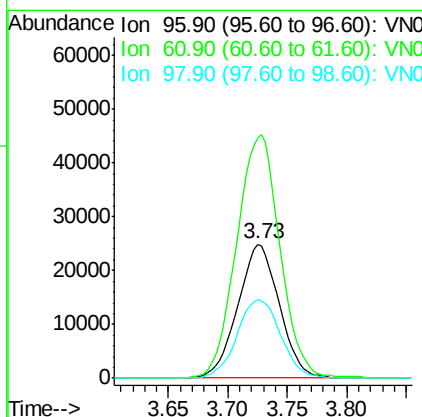
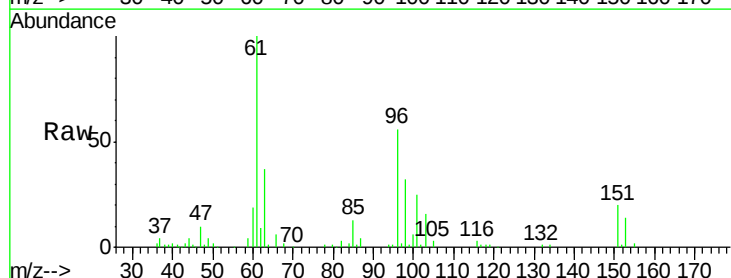
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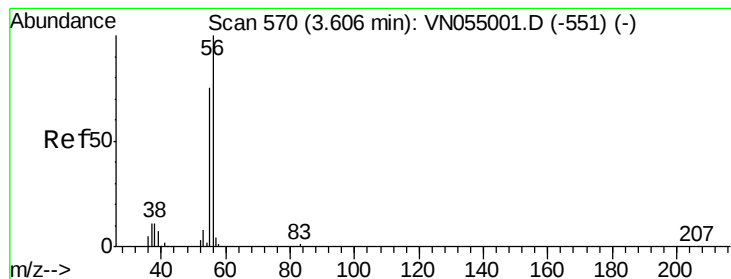
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.640 ug/l
RT: 3.73 min Scan# 607
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion: 96 Resp: 59971
Ion Ratio Lower Upper
96 100
61 179.8 154.2 231.4
98 58.3 52.9 79.3





#13

Acrolein

Concen: 99.229 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 56 Resp: 36529

Ion Ratio Lower Upper

56 100

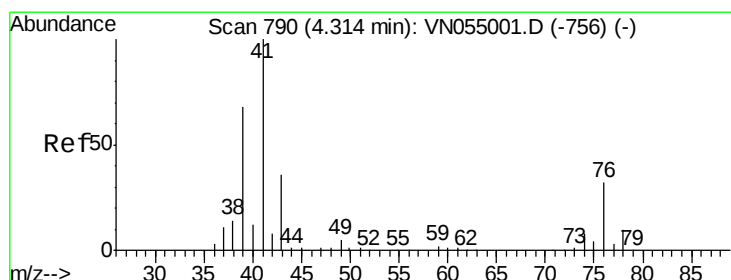
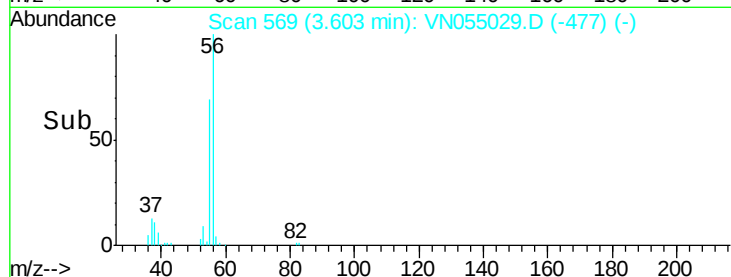
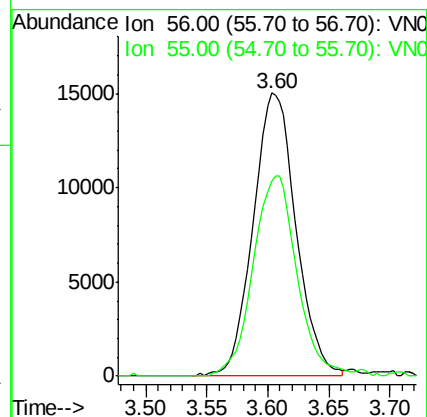
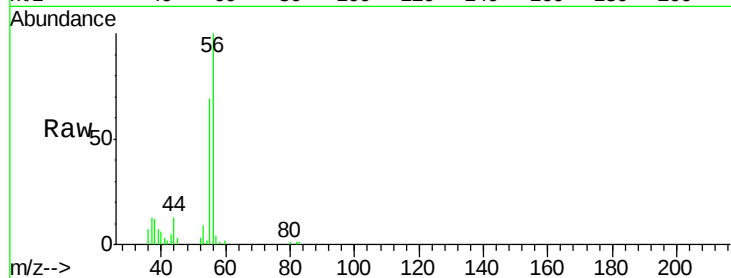
55 72.1 59.5 89.3

Manual Integrations

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#14

Allyl chloride

Concen: 20.154 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

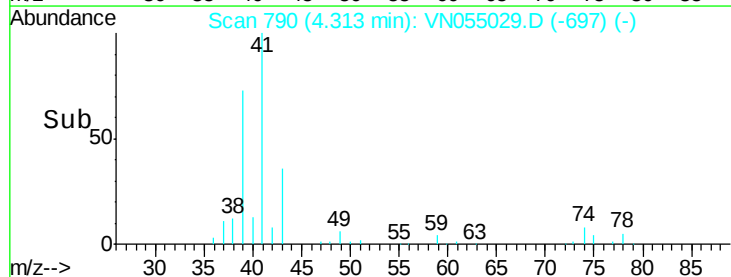
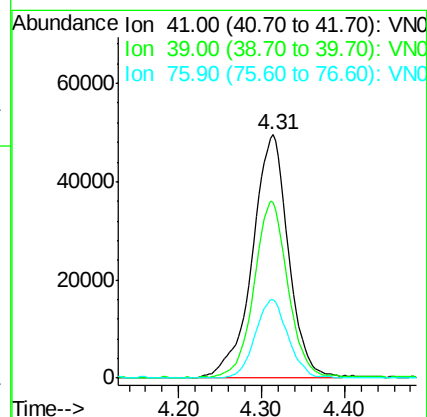
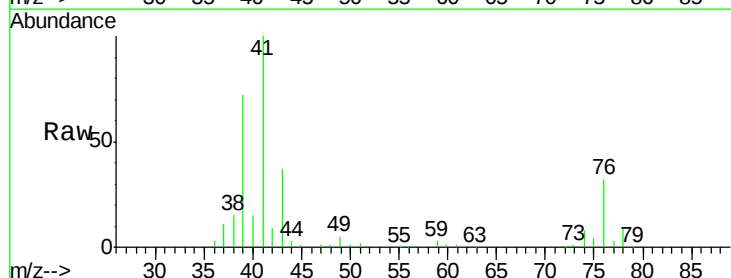
Tgt Ion: 41 Resp: 150367

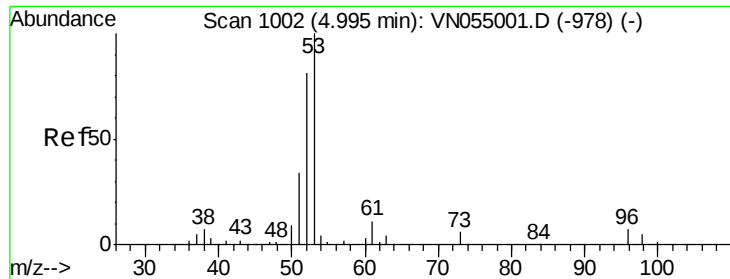
Ion Ratio Lower Upper

41 100

39 66.4 52.7 79.1

76 29.2 23.2 34.8





#15

Acrylonitrile

Concen: 110.351 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

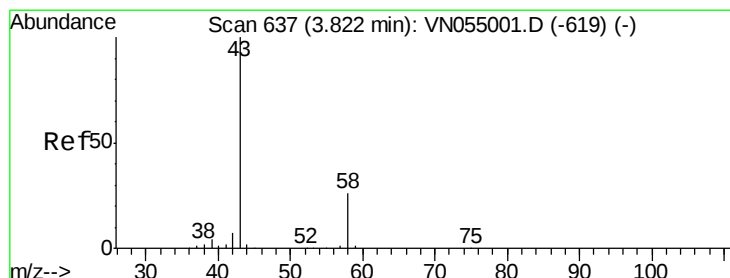
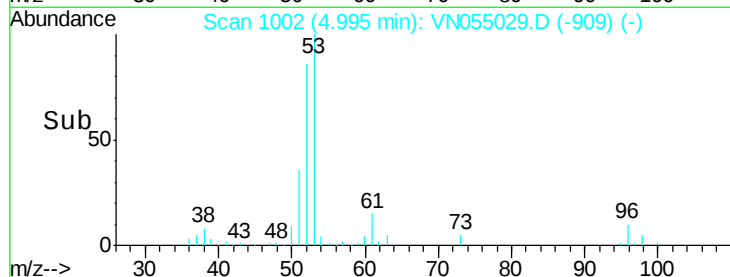
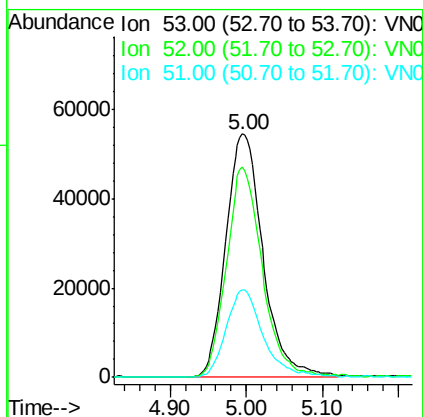
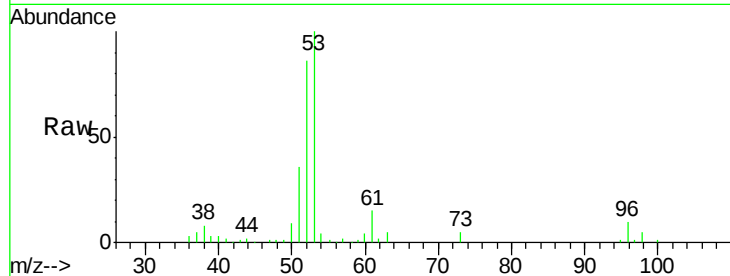
ClientSampleId :

VN0414WBS01

Tot Ion:	53	Resp:	185626
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.9	98.9
51	35.5	29.7	44.5

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#16

Acetone

Concen: 92.867 ug/l

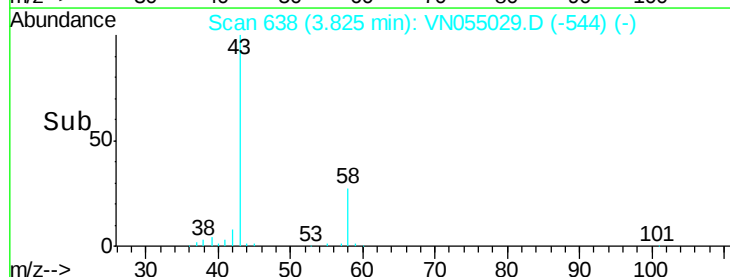
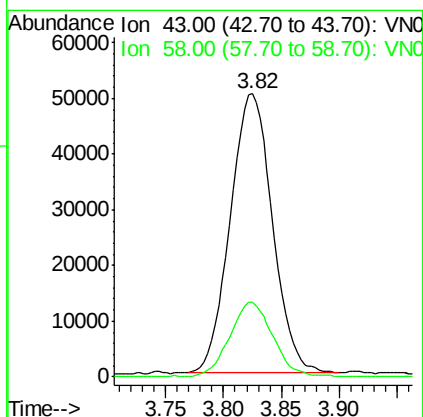
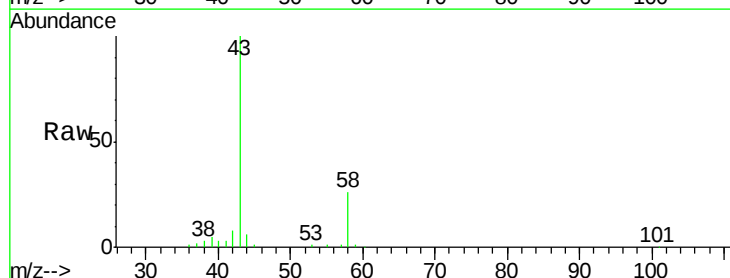
RT: 3.82 min Scan# 638

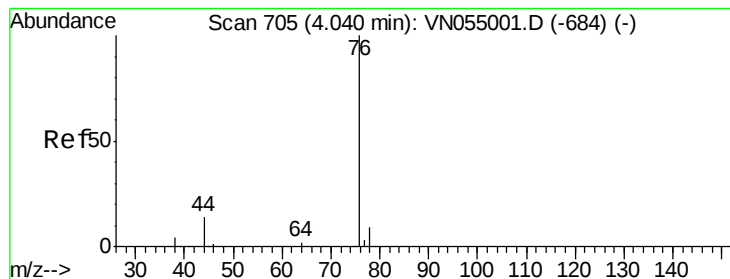
Delta R.T. 0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Tgt Ion:	43	Resp:	126442
Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.9	31.3





#17

Carbon Disulfide

Concen: 16.647 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 76 Resp: 165565

Ion Ratio Lower Upper

76 100

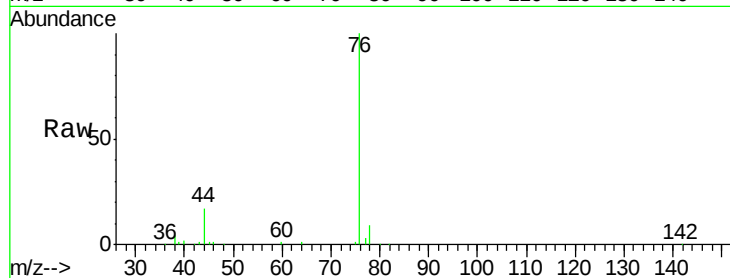
78 9.4 7.2 10.8

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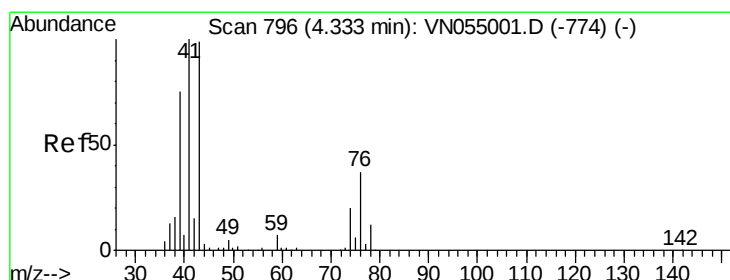
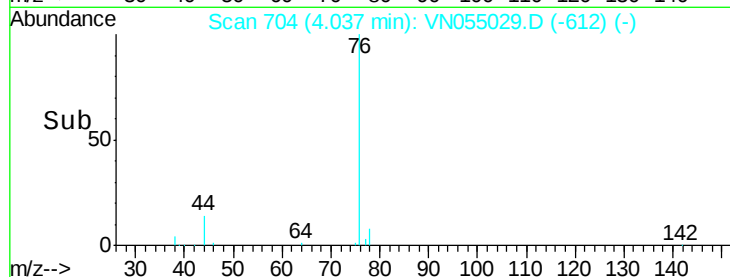
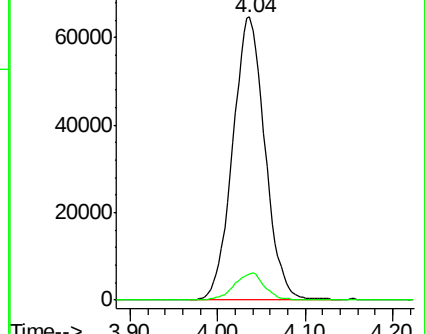
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.053 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN055029.D

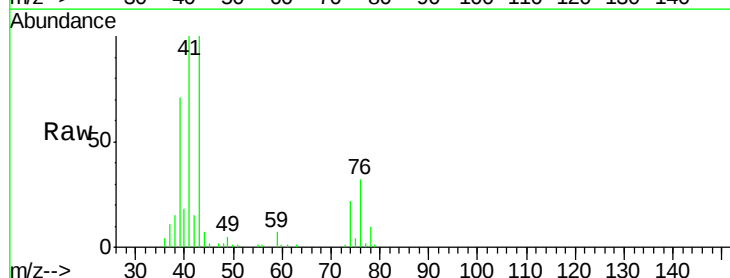
Acq: 13 Apr 2019 15:02

Tgt Ion: 43 Resp: 88854

Ion Ratio Lower Upper

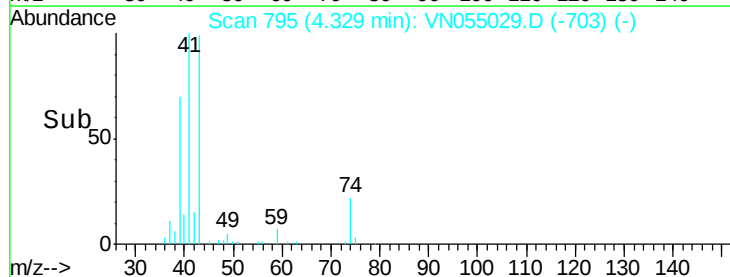
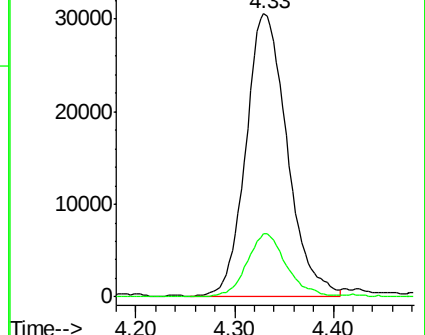
43 100

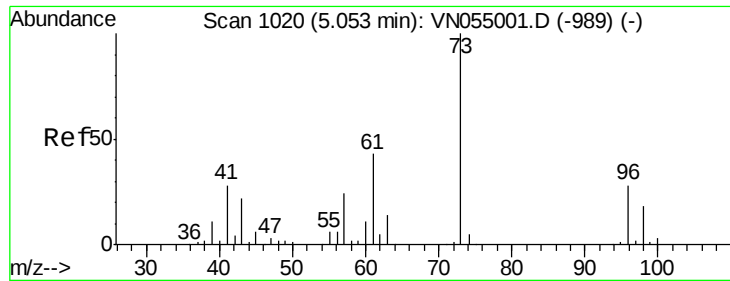
74 21.3 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





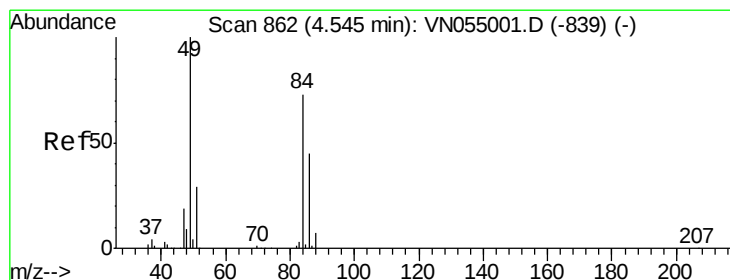
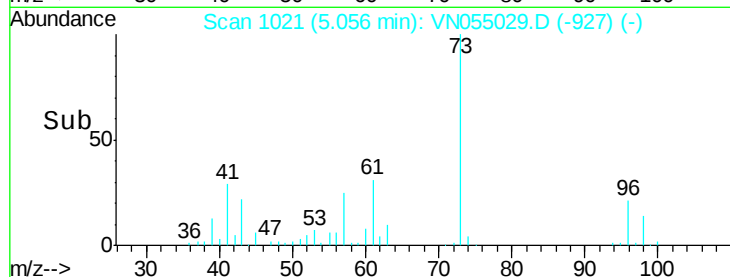
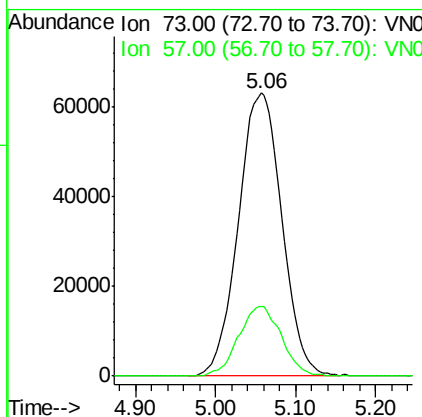
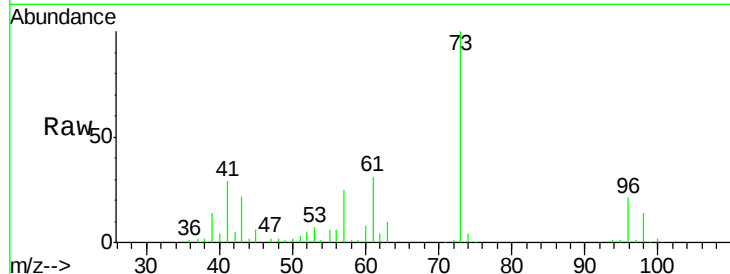
#19
Methvl tert-butvl Ether
Concen: 21.389 ug/l
RT: 5.06 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion: 73 Resp: 233353
Ion Ratio Lower Upper
73 100
57 24.8 19.0 28.4

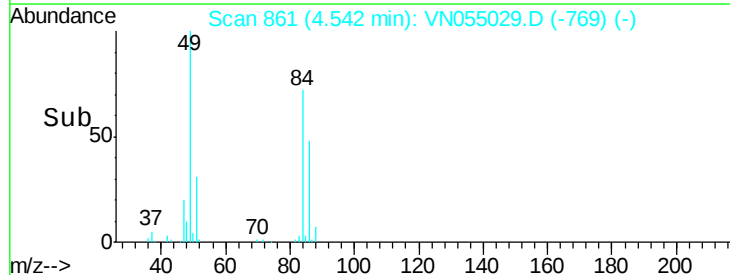
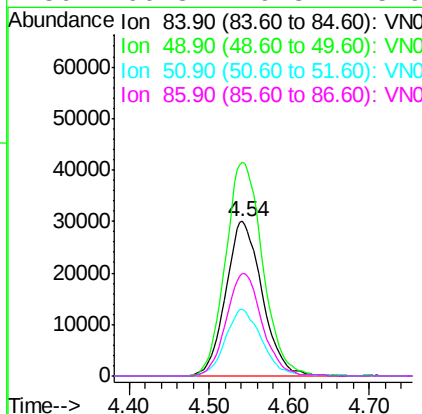
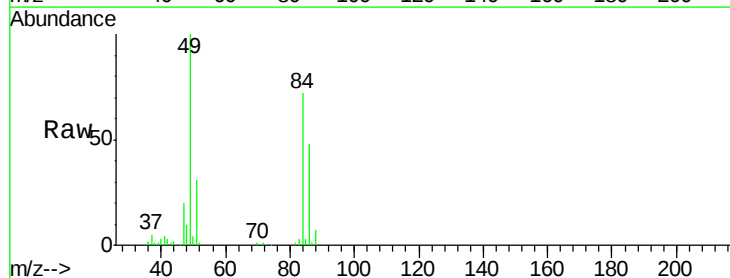
Manual Integrations
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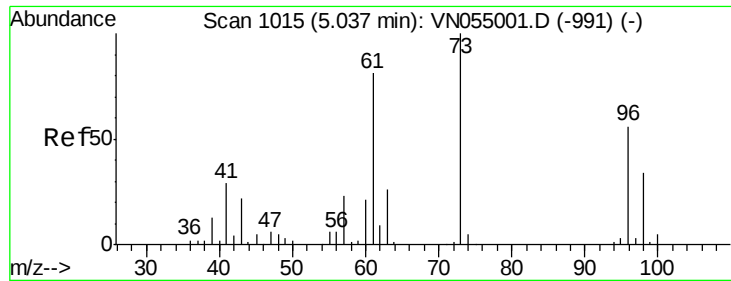
MMDadoda
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#20
Methylene Chloride
Concen: 20.167 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion: 84 Resp: 93114
Ion Ratio Lower Upper
84 100
49 138.2 109.4 164.2
51 43.2 32.2 48.4
86 66.3 49.3 73.9





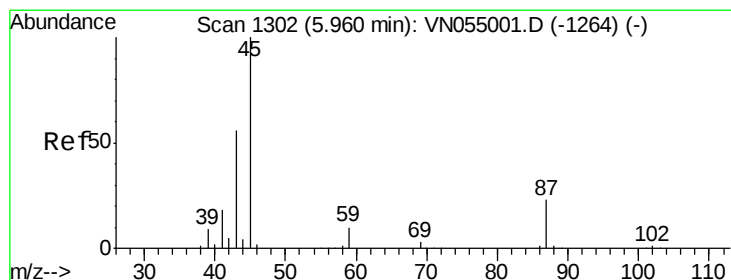
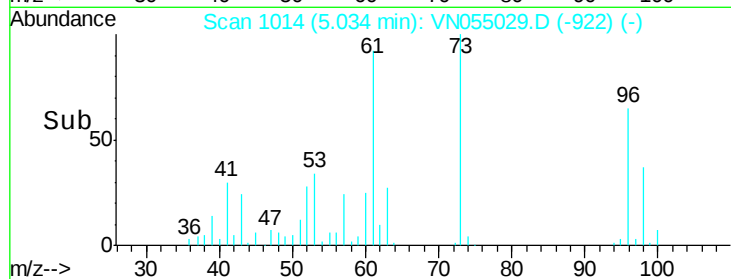
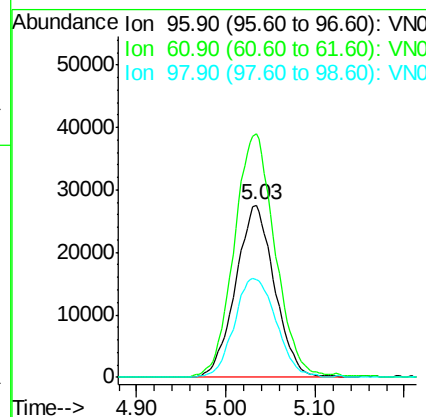
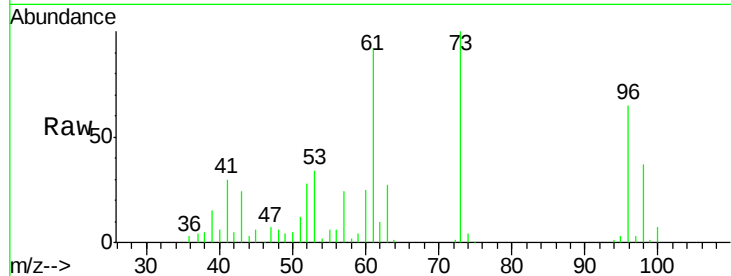
#21
trans-1,2-Dichloroethene
Concen: 20.688 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampled :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.3	114.9	172.3
98	56.6	48.4	72.6

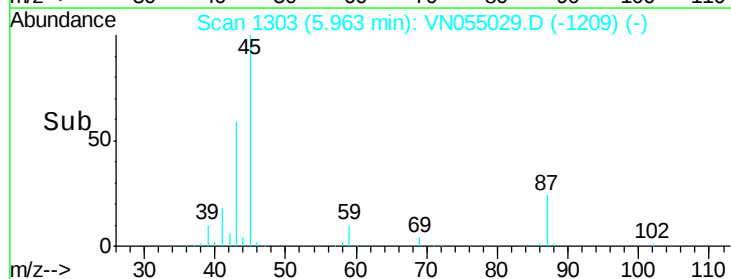
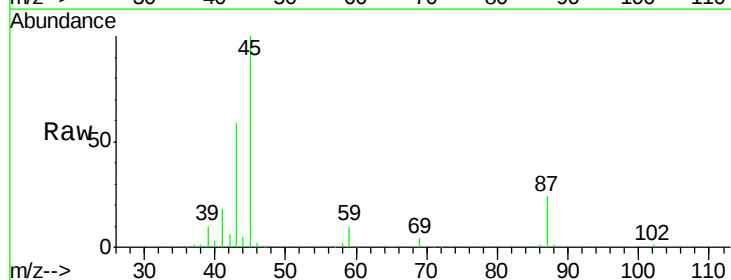
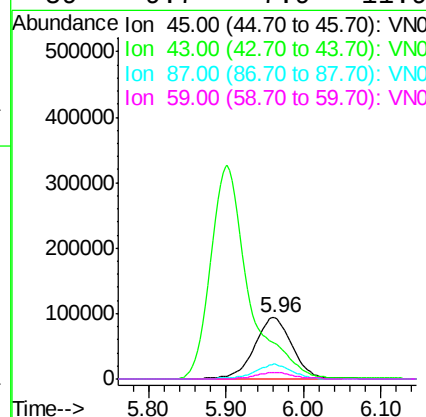
Manual Integrations
APPROVED

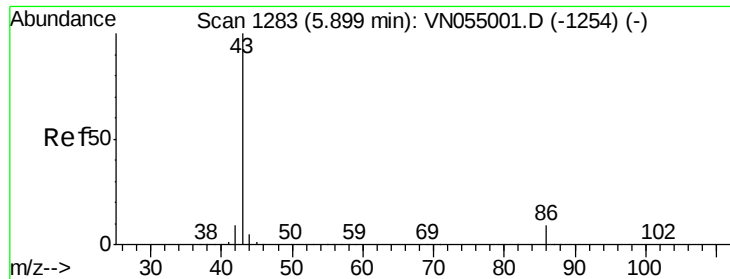
MMDadoda
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#22
Diisopropyl ether
Concen: 20.922 ug/l
RT: 5.96 min Scan# 1303
Delta R.T. 0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	44.8	67.2
87	23.9	18.9	28.3
59	9.7	7.9	11.9





#23

Vinyl Acetate

Concen: 106.043 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

ClientSampled :

VN0414WBS01

Tot Ion: 43 Resp: 1121964

Ion Ratio Lower Upper

43 100

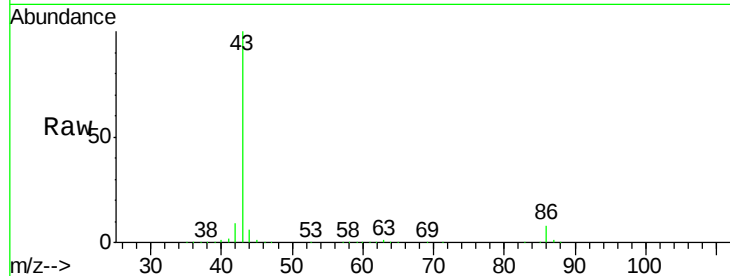
86 8.3 7.0 10.4

Manual Integrations

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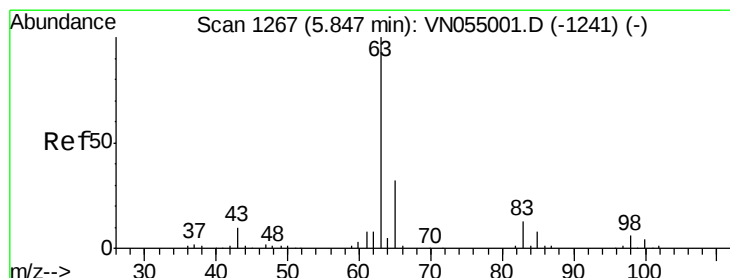
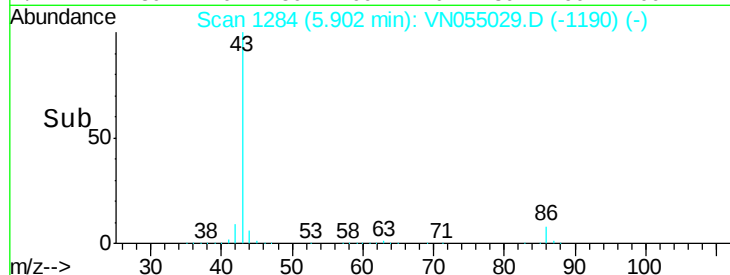
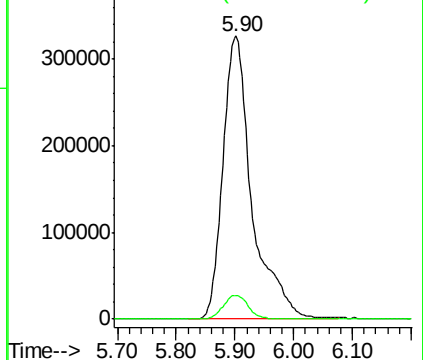
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.532 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

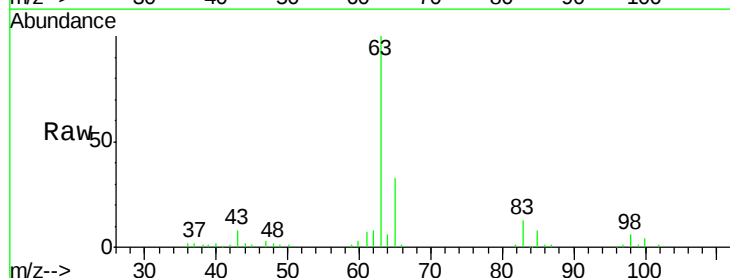
Tgt Ion: 63 Resp: 167745

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

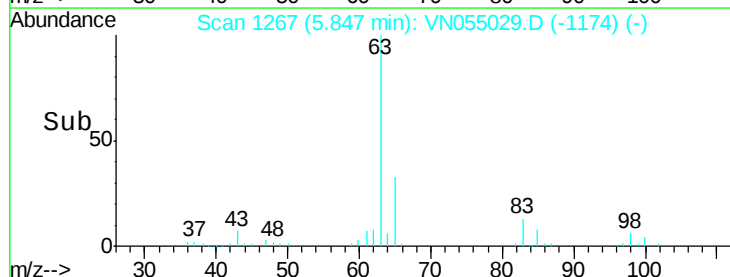
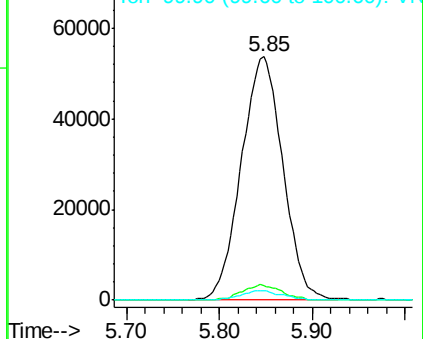
100 3.8 2.0 5.8

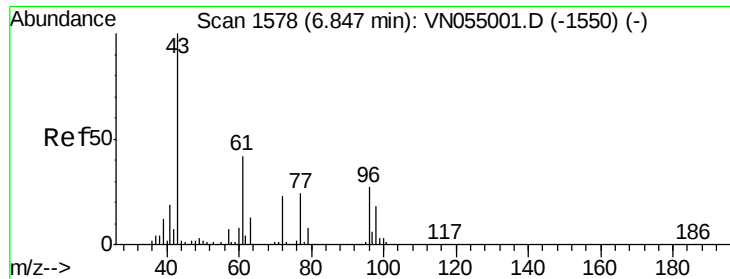


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





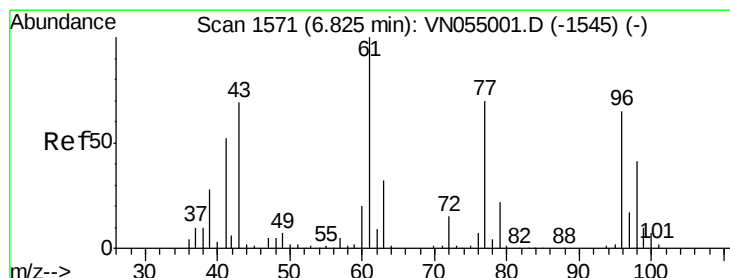
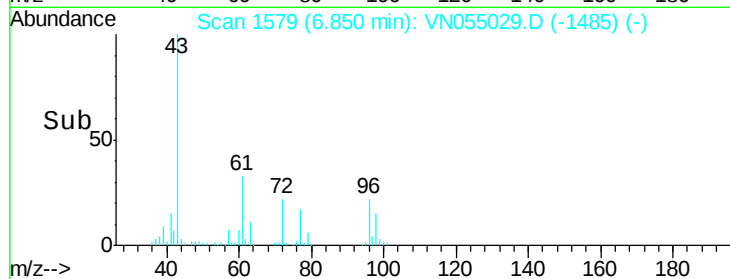
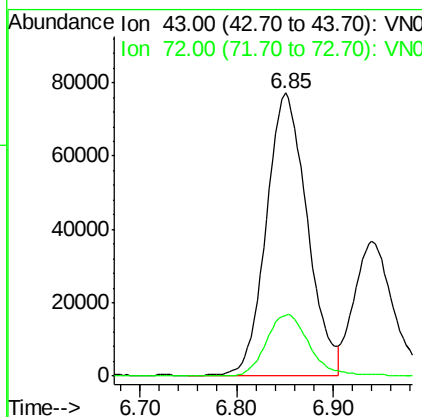
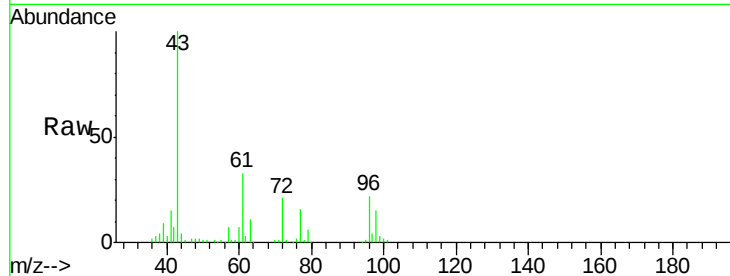
#25
2-Butanone
Concen: 108.734 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampled :
VN0414WBS01

Tot Ion: 43 Resp: 228012
Ion Ratio Lower Upper
43 100
72 21.4 18.1 27.1

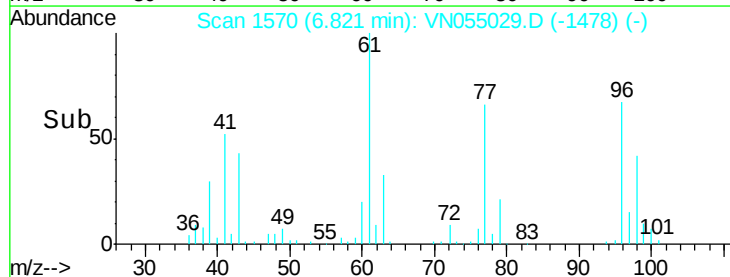
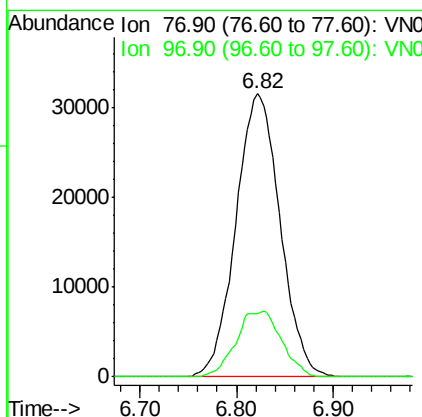
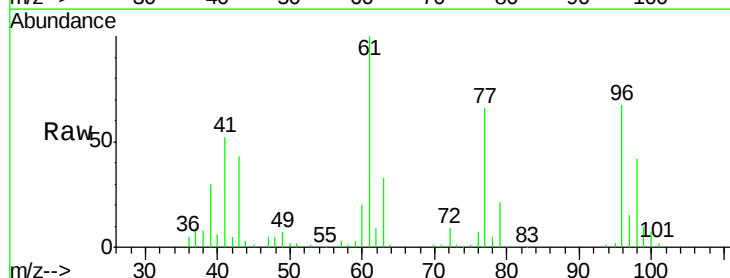
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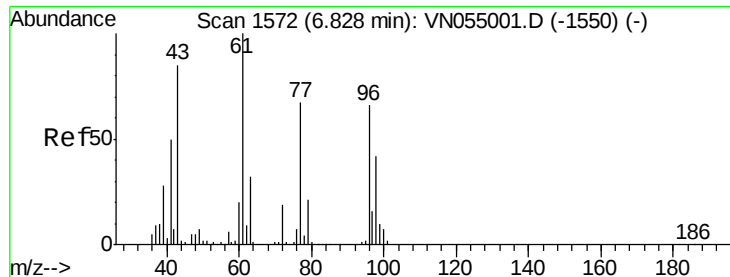
MMDadoda
4/17/2019 10:04:11 AM



#26
2,2-Dichloropropane
Concen: 18.500 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion: 77 Resp: 99996
Ion Ratio Lower Upper
77 100
97 12.0 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.560 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

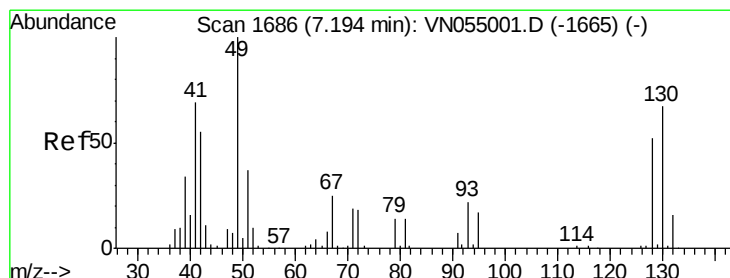
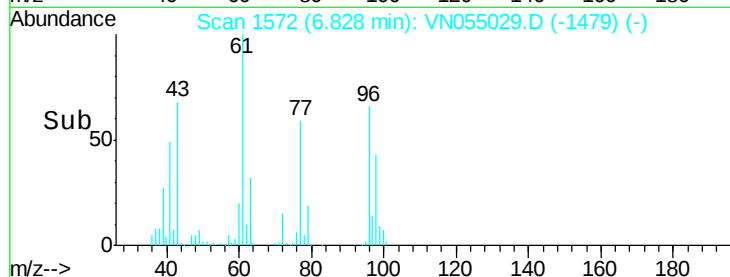
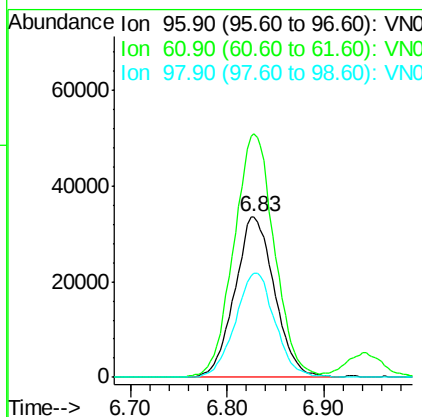
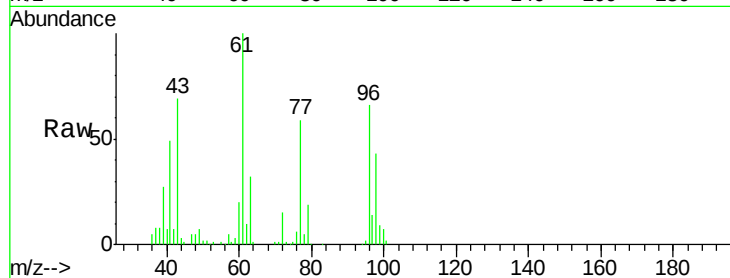
ClientSampleId :

VN0414WBS01

Tot Ion:	96	Resp:	96077
Ion	Ratio	Lower	Upper
96	100		
61	154.2	0.0	311.0
98	65.0	0.0	127.4

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#28

Bromochloromethane

Concen: 21.318 ug/l

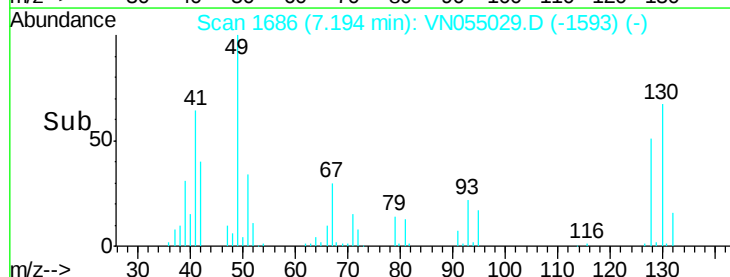
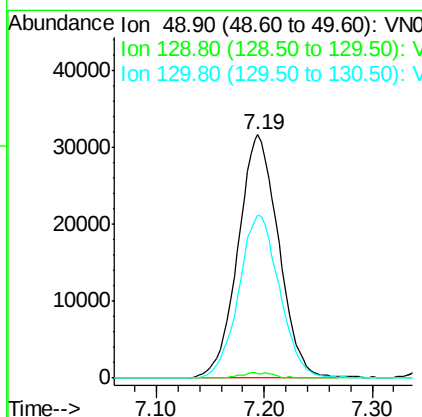
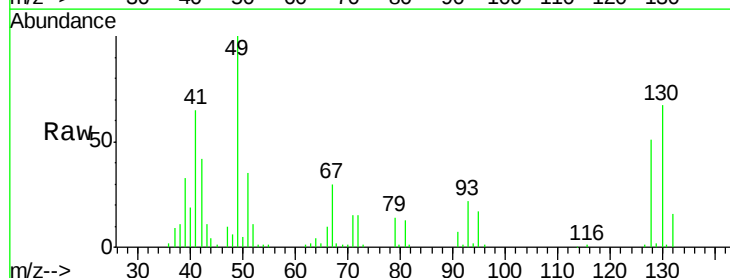
RT: 7.19 min Scan# 1686

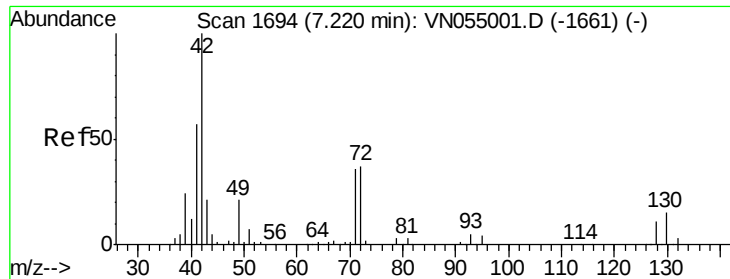
Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Tgt Ion:	49	Resp:	82635
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	2.0
130	67.2	53.4	80.2





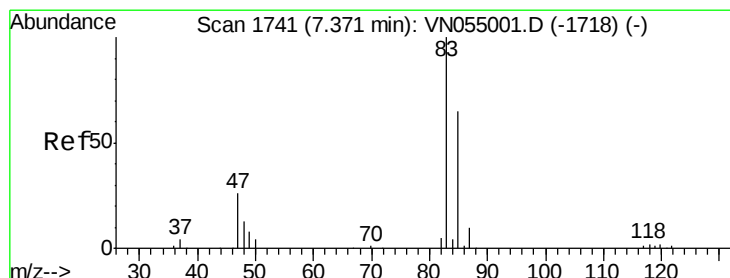
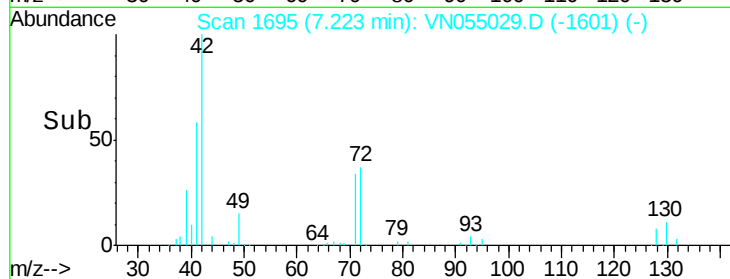
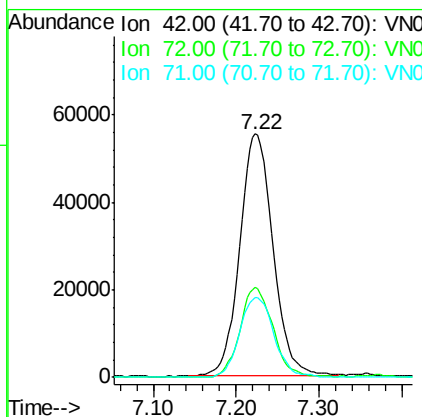
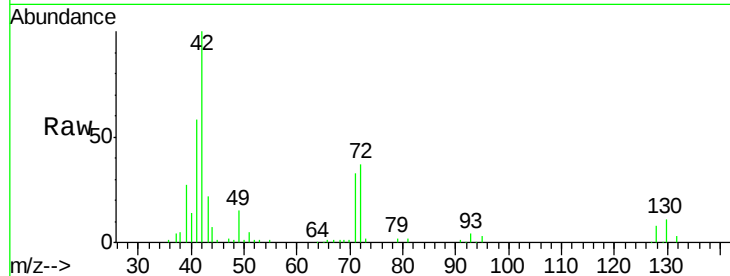
#29
Tetrahydrofuran
Concen: 112.558 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.1	29.4	44.0
71	34.1	27.8	41.6

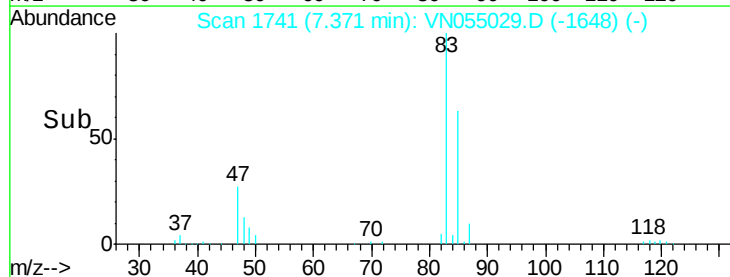
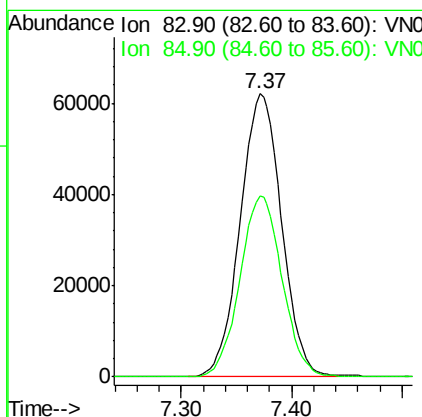
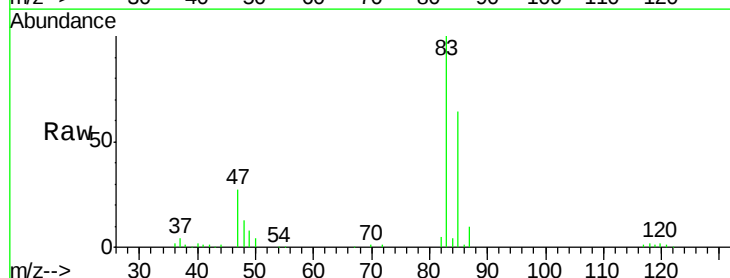
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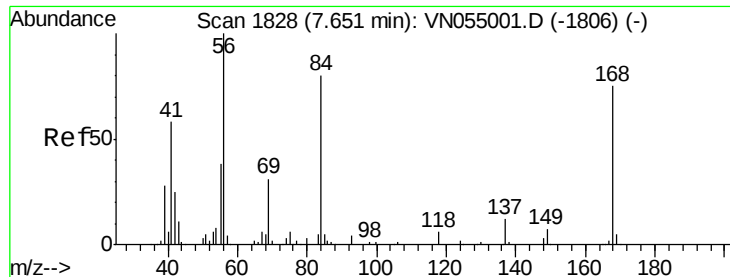
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#30
Chloroform
Concen: 20.735 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.8	77.6





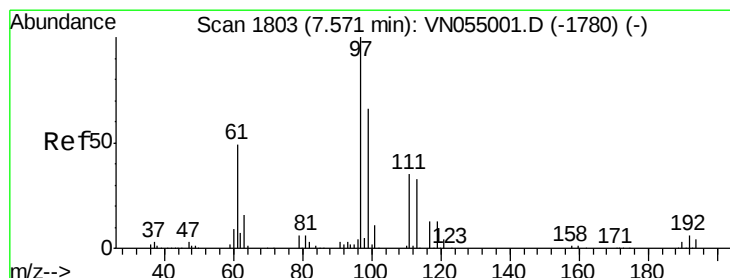
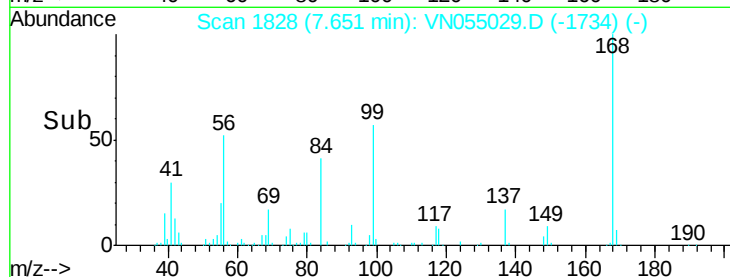
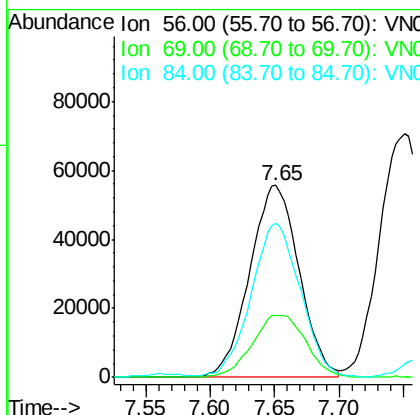
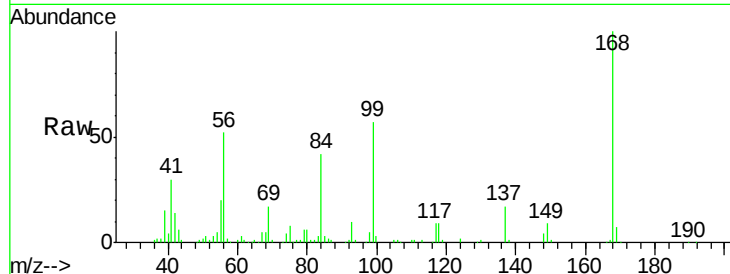
#31
Cyclohexane
Concen: 18.818 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	24.5	36.7
84	79.2	62.9	94.3

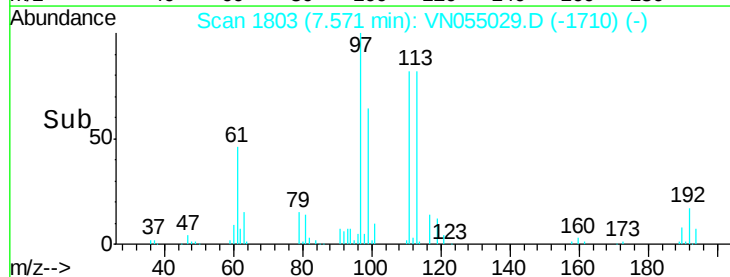
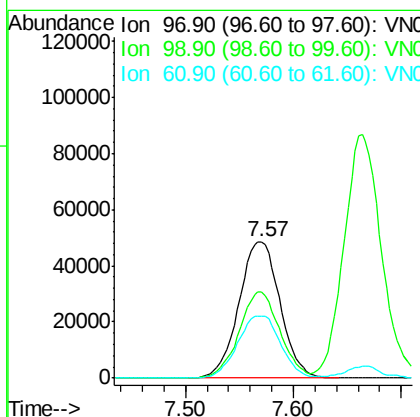
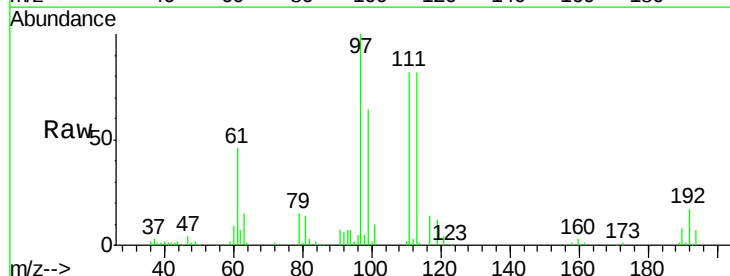
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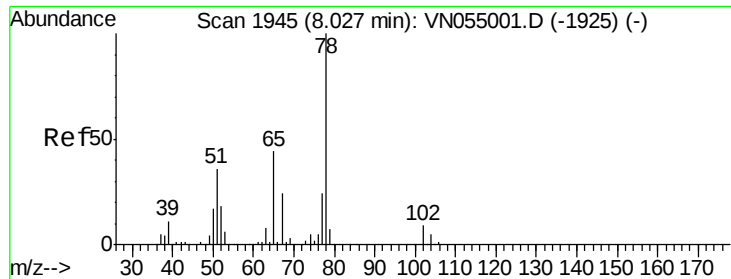
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#32
1,1,1-Trichloroethane
Concen: 20.772 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.6	77.4
61	47.6	38.3	57.5





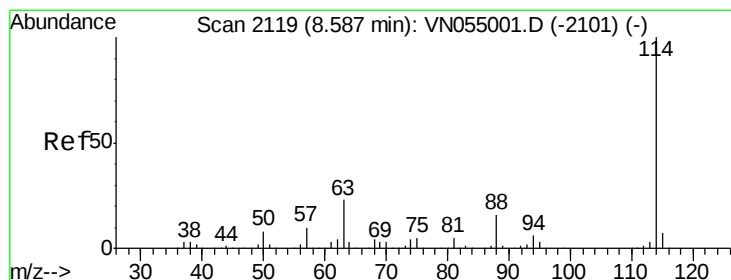
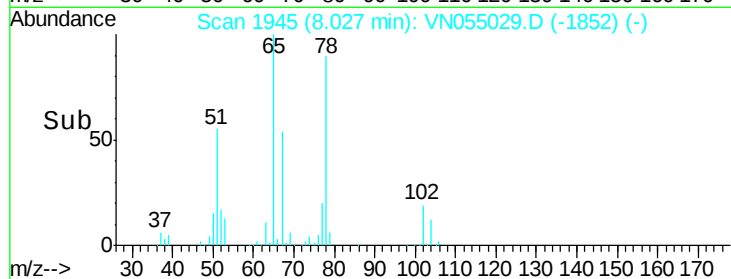
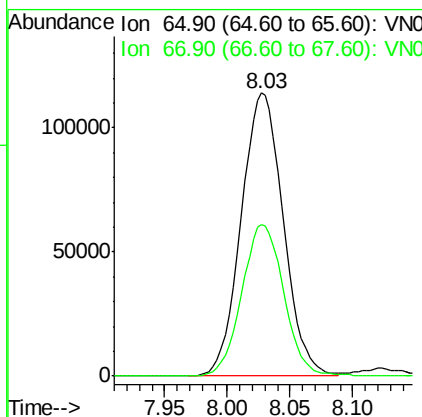
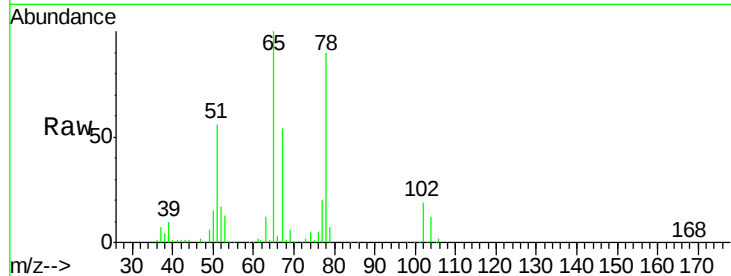
#33
 1,2-Dichloroethane-d4
 Concen: 53.686 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	266079		
67	53.6	0.0	106.4	

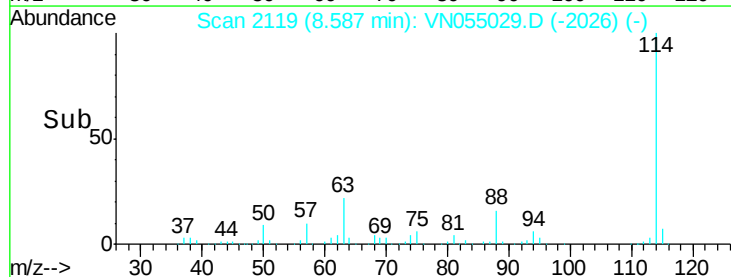
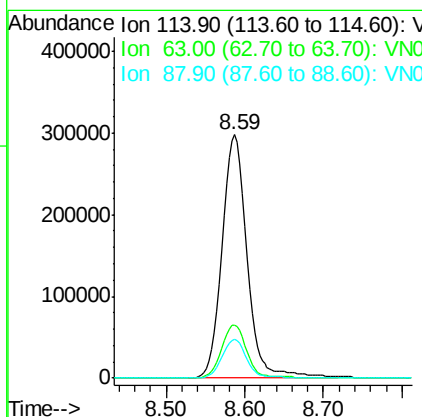
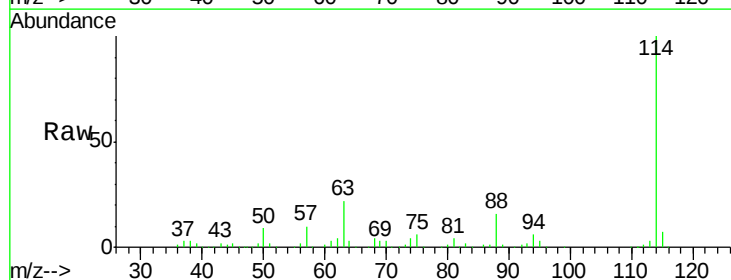
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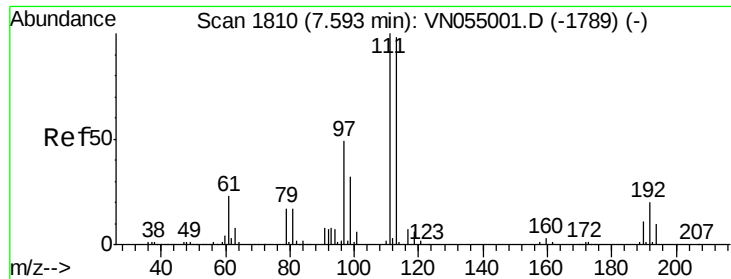
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	655579		
63	21.9	0.0	45.2	
88	16.0	0.0	31.8	





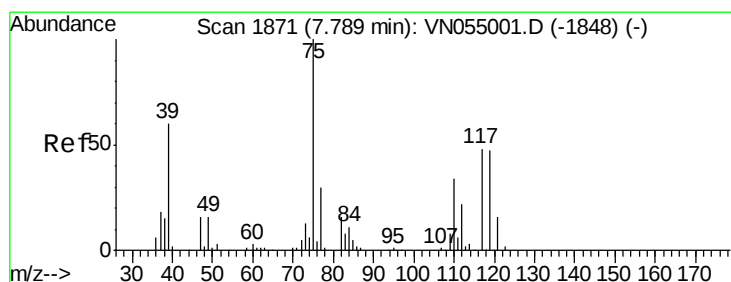
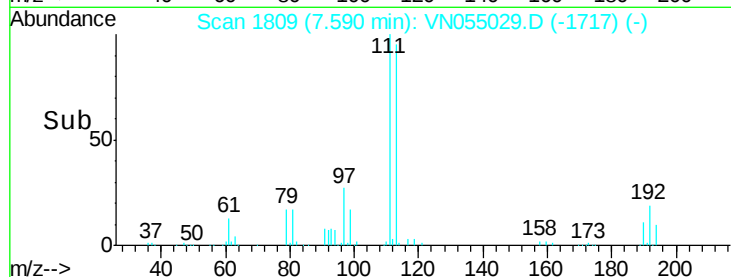
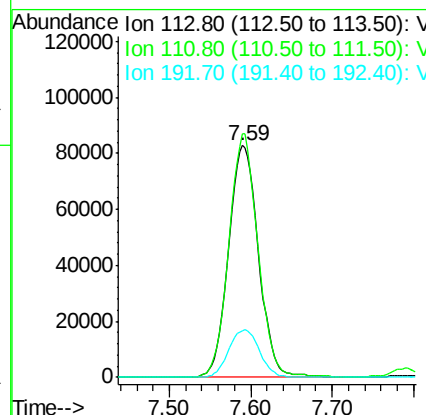
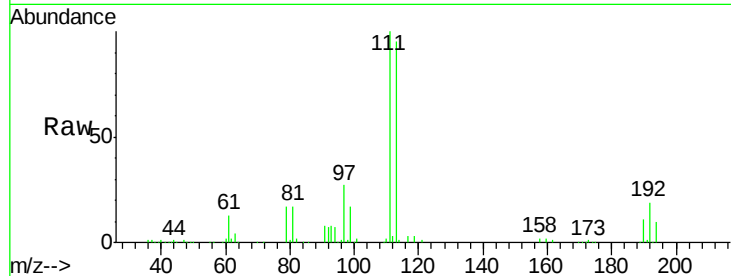
#35
 Dibromofluoromethane
 Concen: 51.124 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	213652		
111	101.2	82.1	123.1	
192	21.1	16.5	24.7	

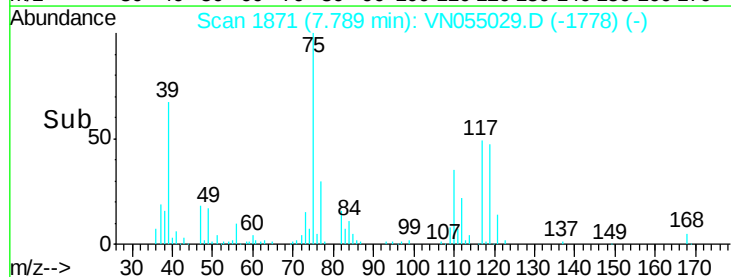
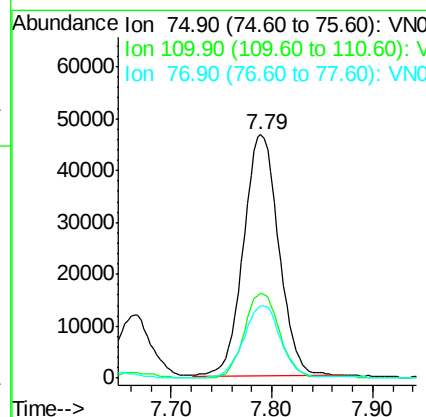
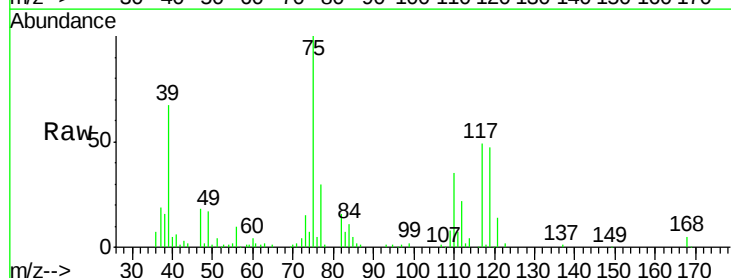
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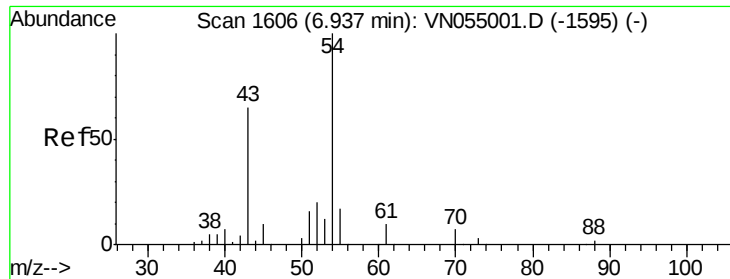
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#36
 1,1-Dichloropropene
 Concen: 18.690 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	113238		
110	34.8	17.5	52.5	
77	31.7	24.9	37.3	





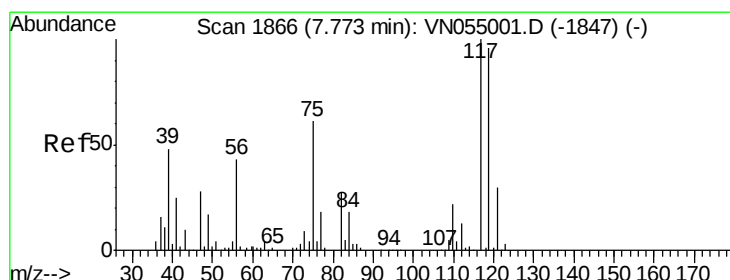
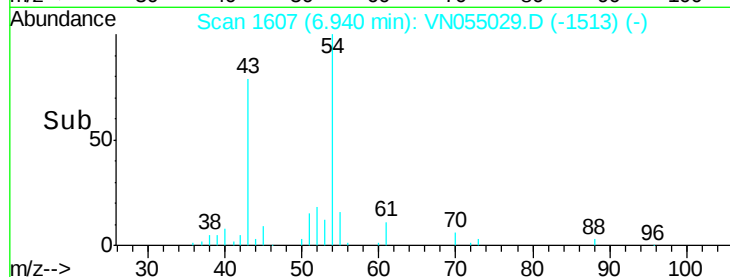
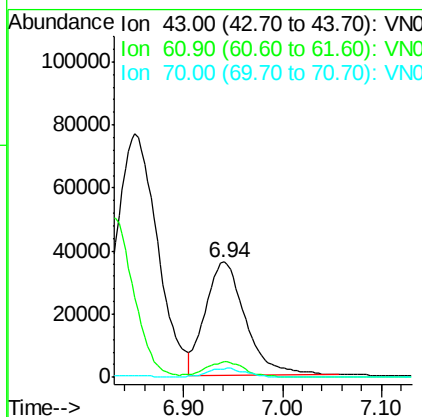
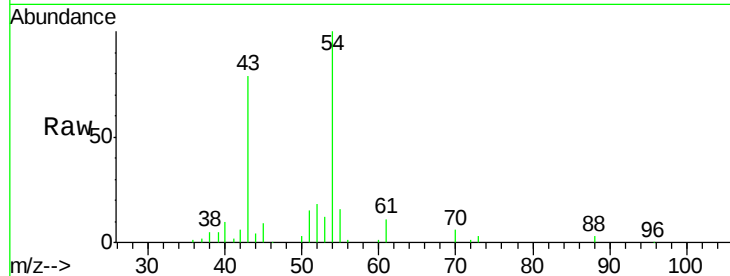
#37
Ethyl Acetate
Concen: 22.723 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	43	61	70
Resp	103355		
Ratio	100	13.6	7.6
Lower		10.0	7.1
Upper		15.0	10.7

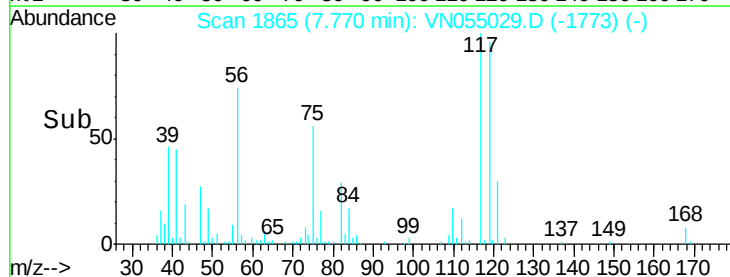
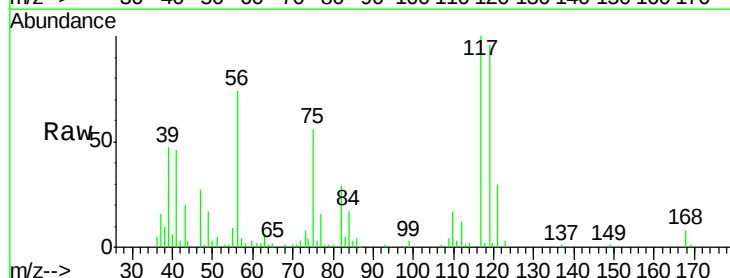
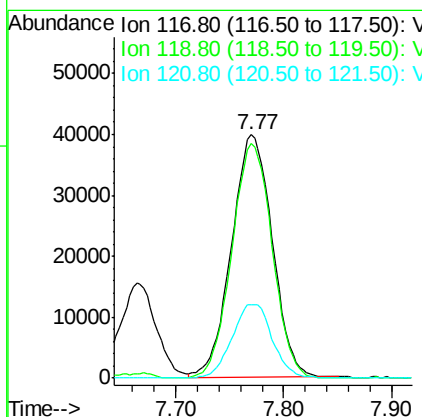
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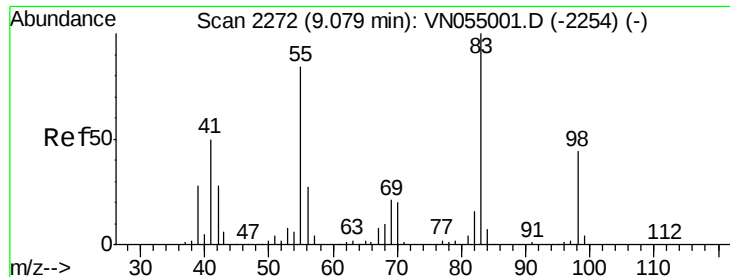
MMDadoda
4/17/2019 10:04:11 AM



#38
Carbon Tetrachloride
Concen: 18.371 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion	117	119	121
Resp	104772		
Ratio	100	96.7	30.3
Lower		76.3	23.9
Upper		114.5	35.9





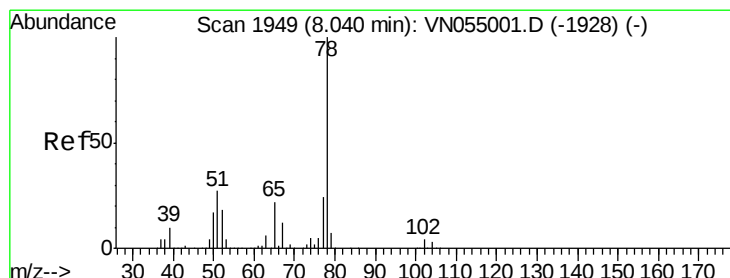
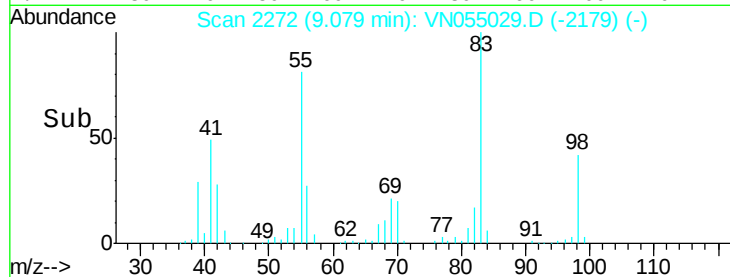
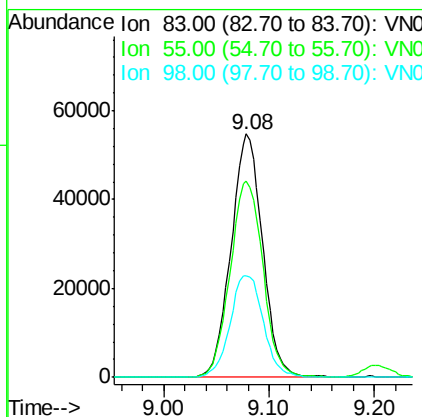
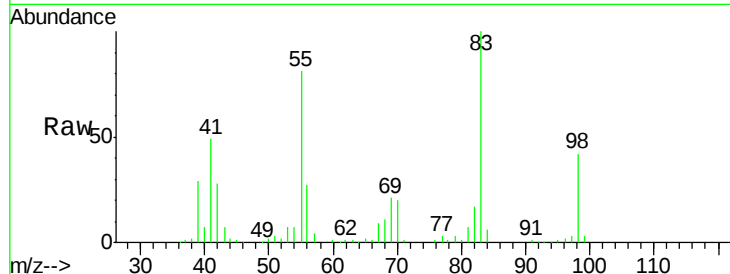
#39
Methvlcvclohexane
Concen: 16.353 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.8	67.0	100.4
98	41.9	35.6	53.4

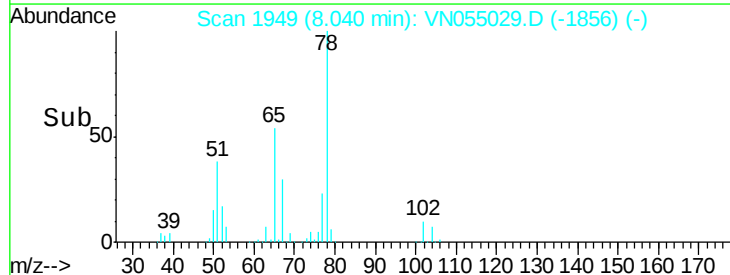
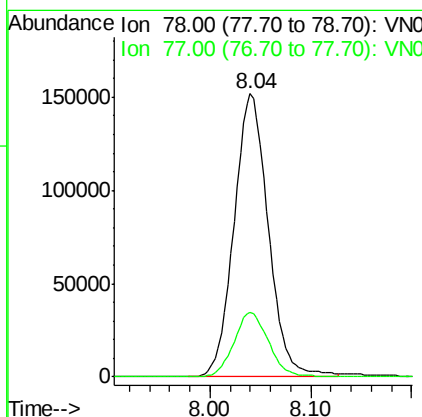
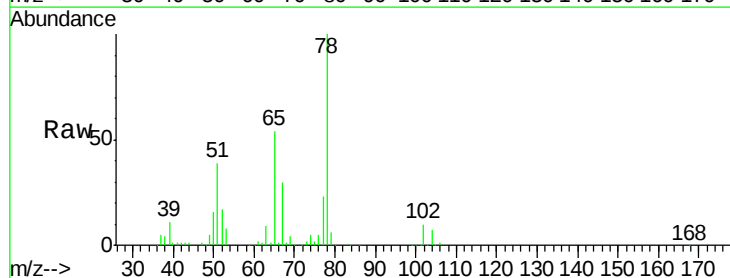
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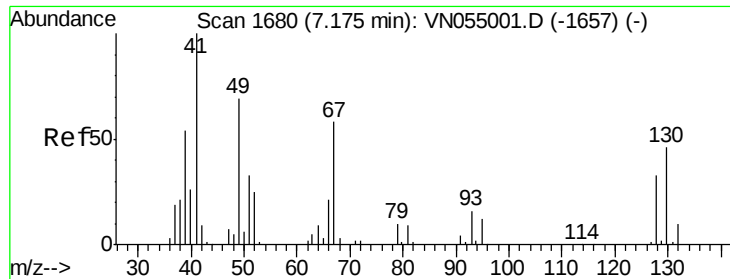
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#40
Benzene
Concen: 19.576 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





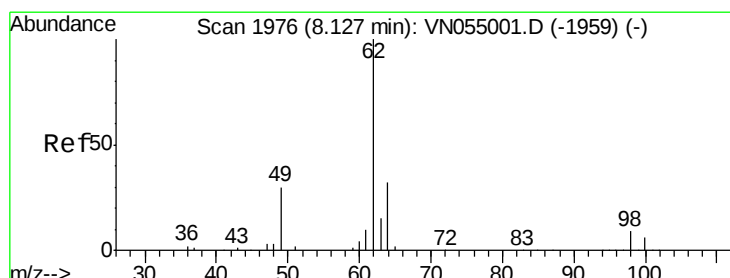
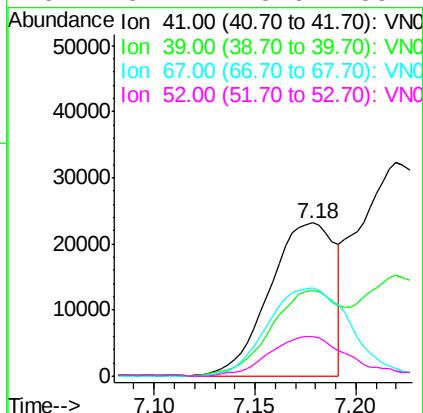
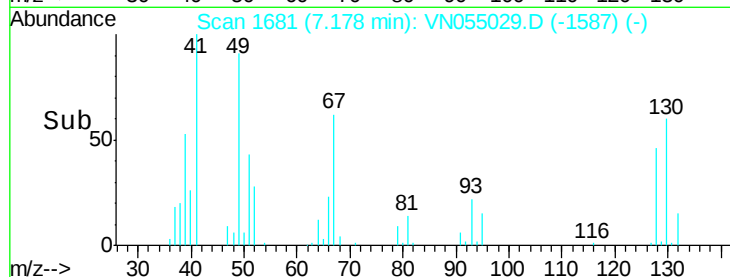
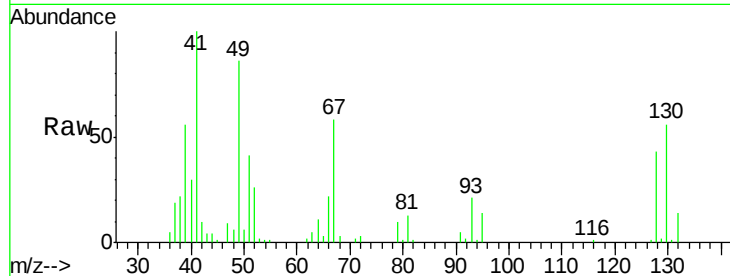
#41
Methacrylonitrile
Concen: 18.667 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.3	45.6	68.4	
67	73.6	57.0	85.6	
52	32.4	23.6	35.4	

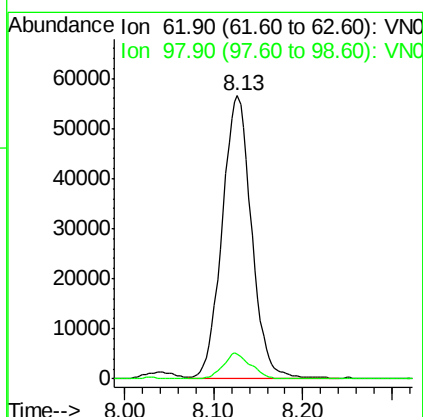
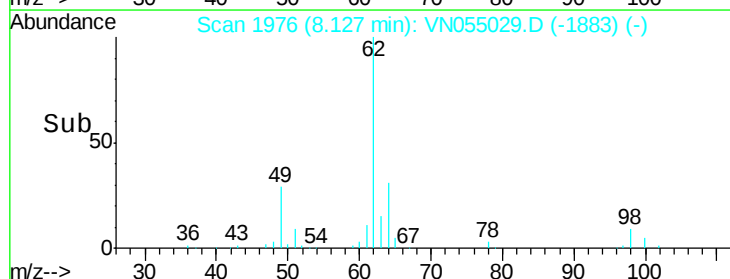
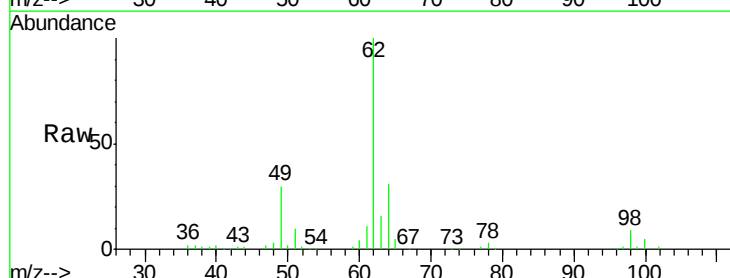
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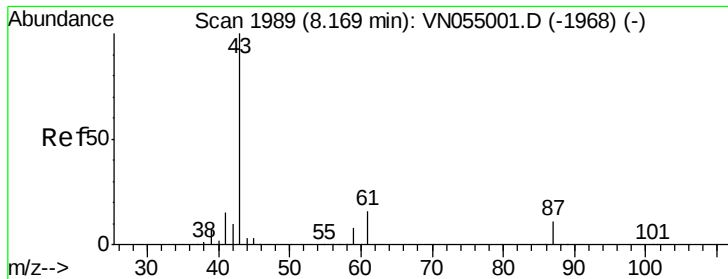
MMDadoda
4/17/2019 10:04:11 AM



#42
1,2-Dichloroethane
Concen: 19.928 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	17.4	





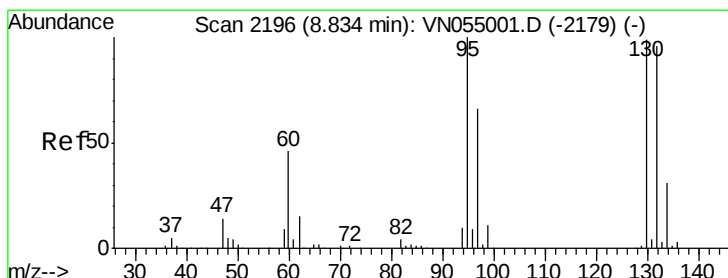
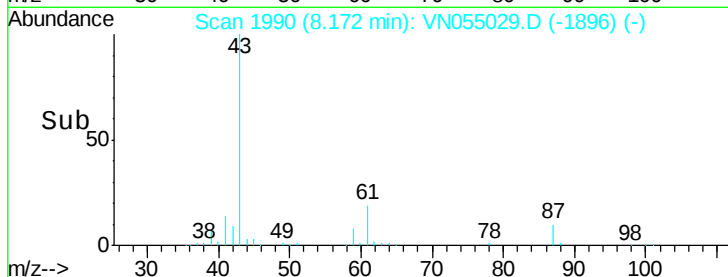
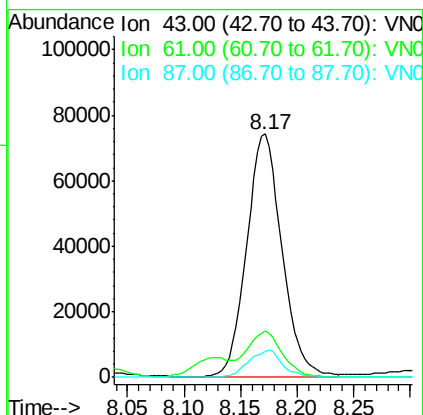
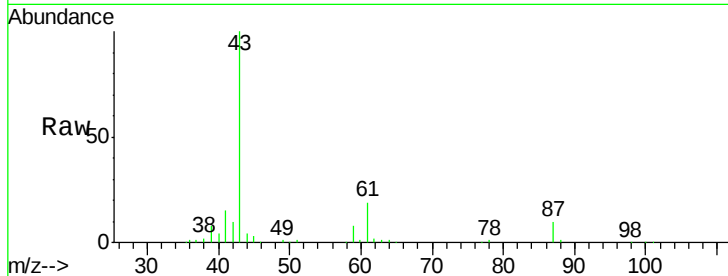
#43
Isopropyl Acetate
Concen: 20.637 ug/l
RT: 8.17 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	14.3	21.5
87	11.1	8.6	13.0

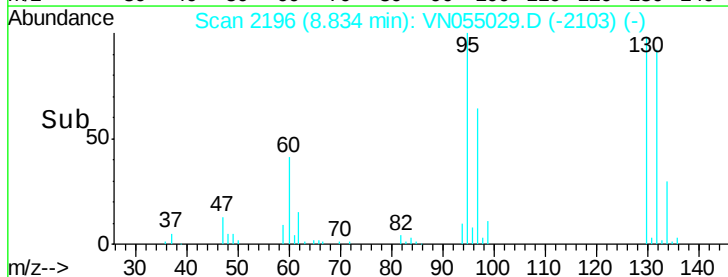
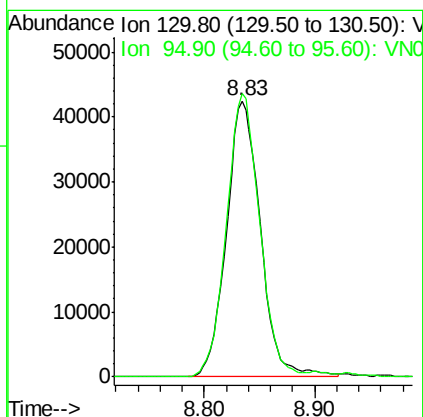
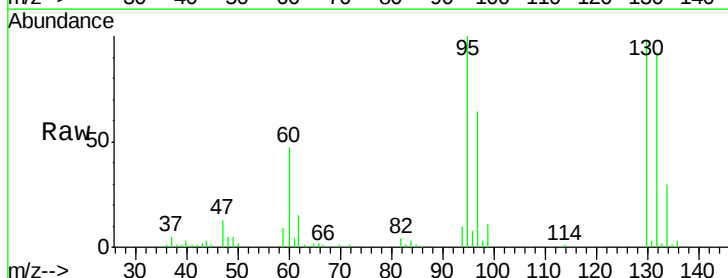
Manual Integrations
APPROVED

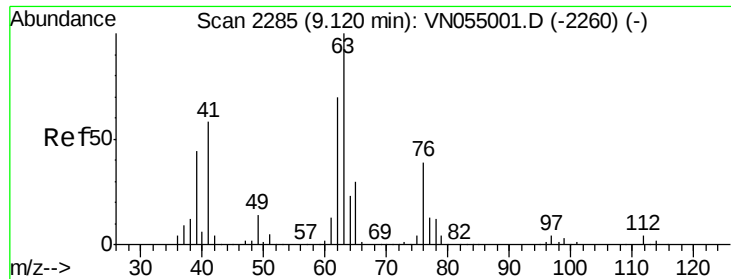
MMDadoda
4/17/2019 10:04:11 AM



#44
Trichloroethene
Concen: 19.347 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.5	0.0	201.6





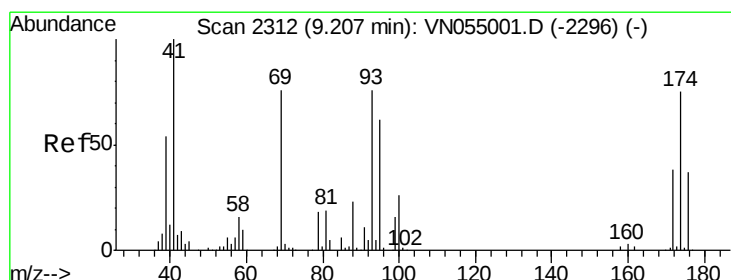
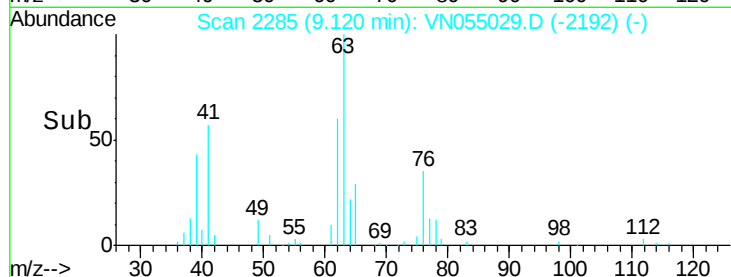
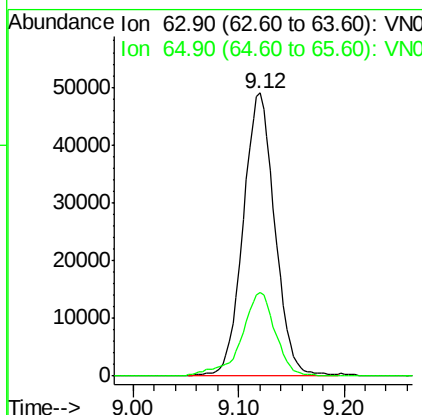
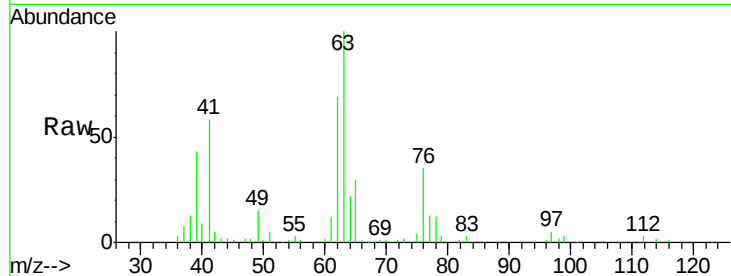
#45
 1,2-Dichloropropane
 Concen: 19.861 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.2	24.4	36.6

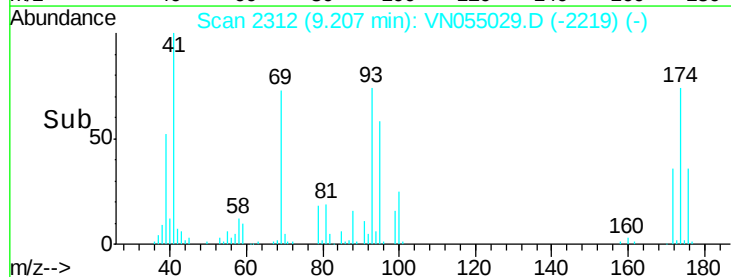
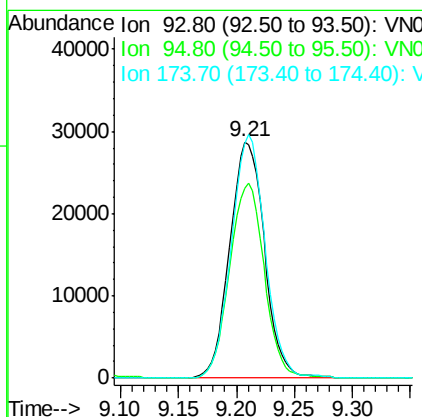
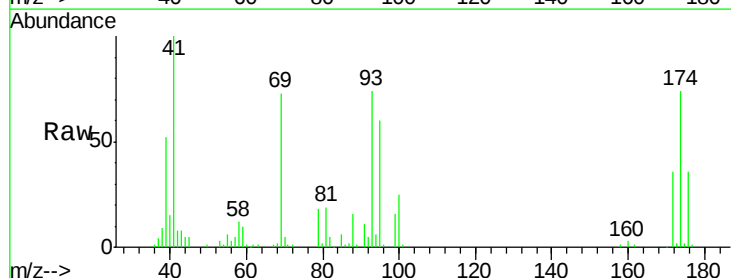
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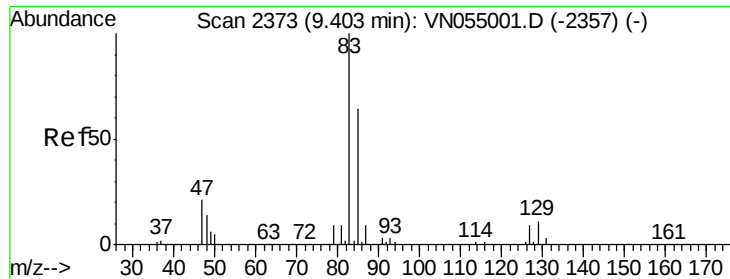
MMDadoda
 4/17/2019 10:04:11 AM



#46
 Dibromomethane
 Concen: 20.121 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	65.0	97.6
174	99.8	81.0	121.6





#47

Bromodichloromethane

Concen: 19.099 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

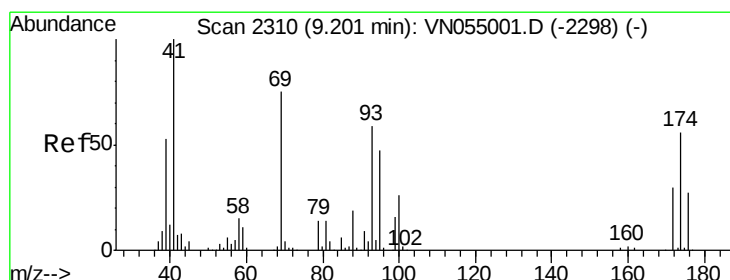
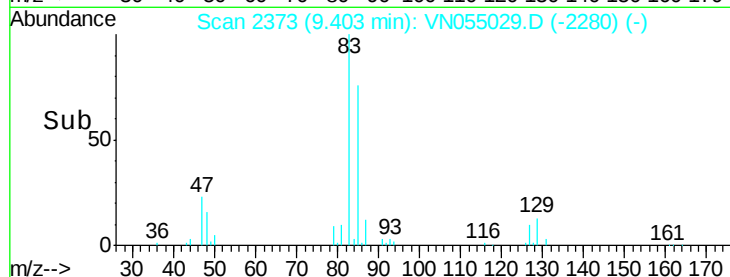
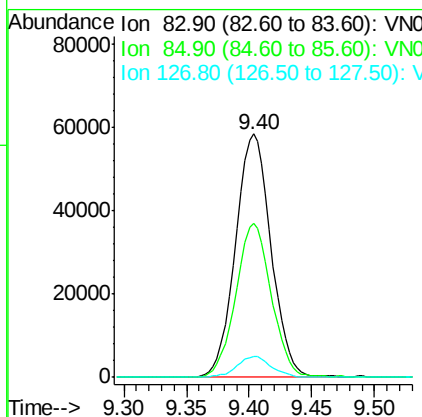
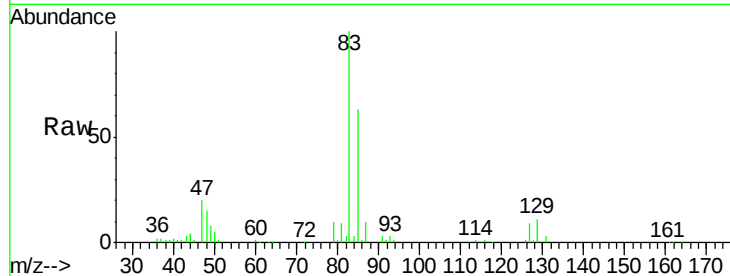
ClientSampleId :

VN0414WBS01

Tot Ion:	83	Resp:	115039
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.2	76.8
127	8.7	6.8	10.2

Manual Integrations
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MMDadoda
4/17/2019 10:04:11 AM



#48

Methyl methacrylate

Concen: 19.830 ug/l

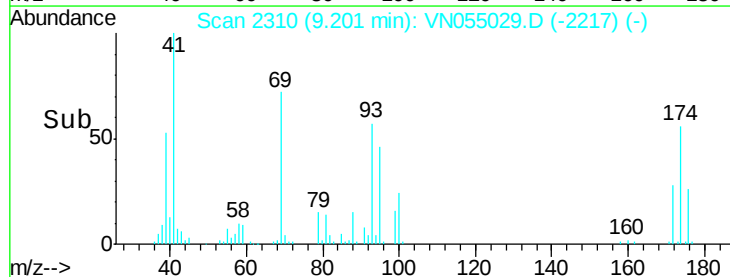
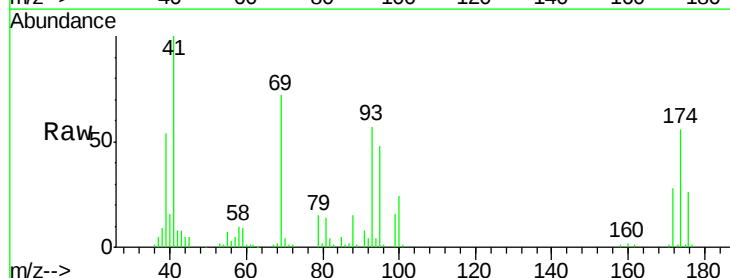
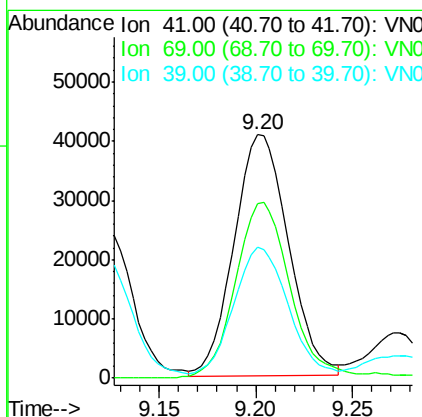
RT: 9.20 min Scan# 2310

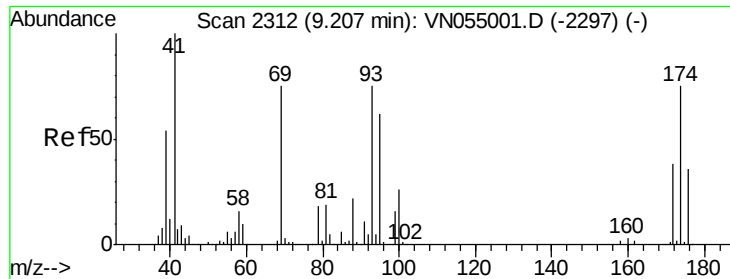
Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Tgt Ion:	41	Resp:	79449
Ion Ratio	Lower	Upper	
41	100		
69	73.1	60.5	90.7
39	53.2	43.9	65.9





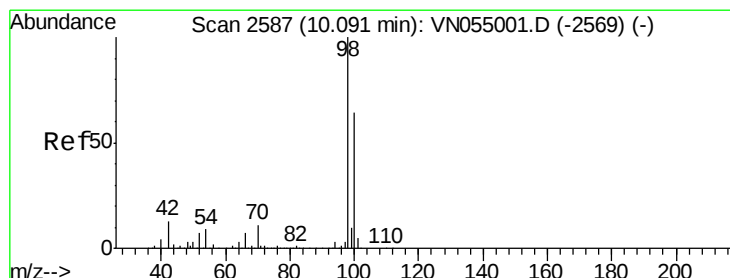
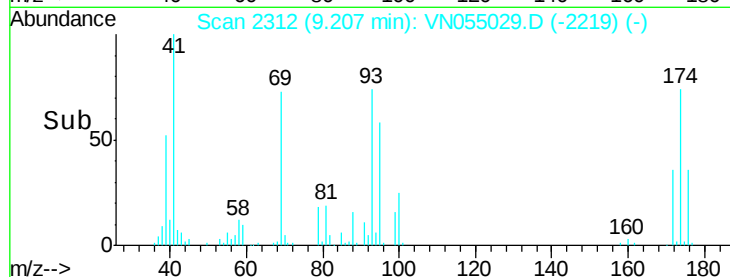
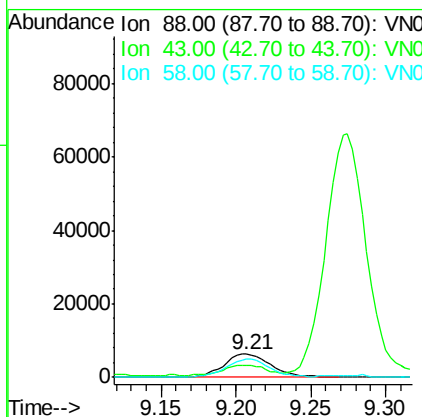
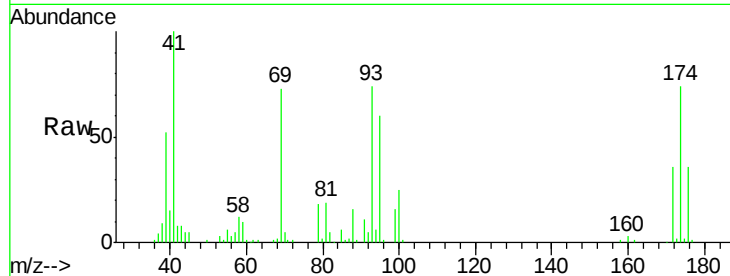
#49
1,4-Dioxane
Concen: 319.831 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.0	31.8	47.8
58	74.0	61.6	92.4

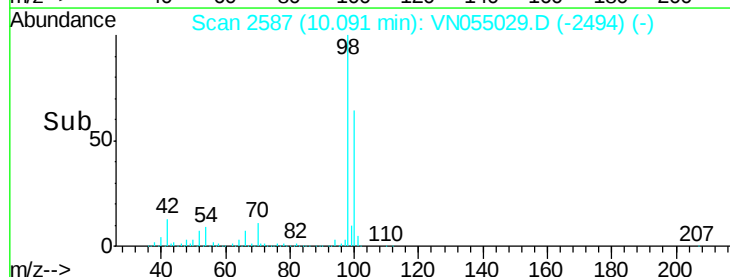
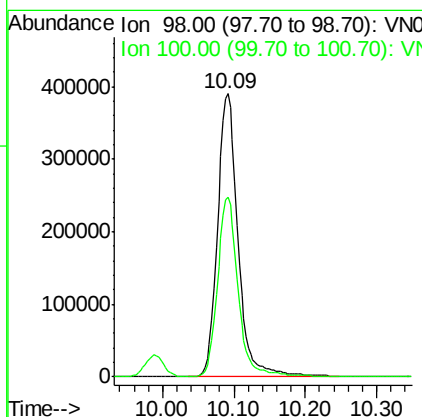
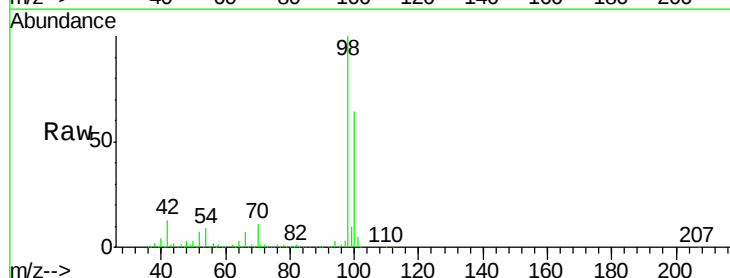
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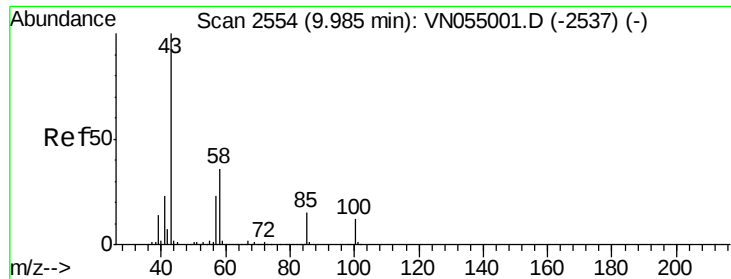
MMDadoda
4/17/2019 10:04:11 AM



#50
Toluene-d8
Concen: 50.752 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 105.589 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

ClientSampled :

VN0414WBS01

Tot Ion: 43 Resp: 480844

Ion Ratio Lower Upper

43 100

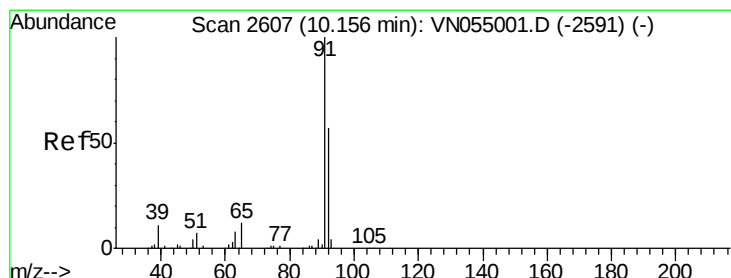
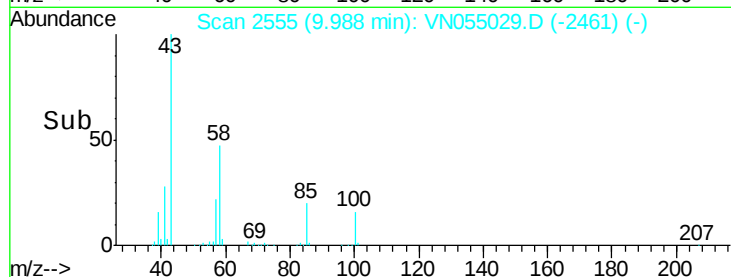
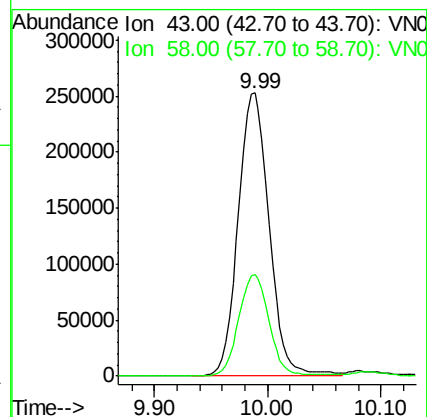
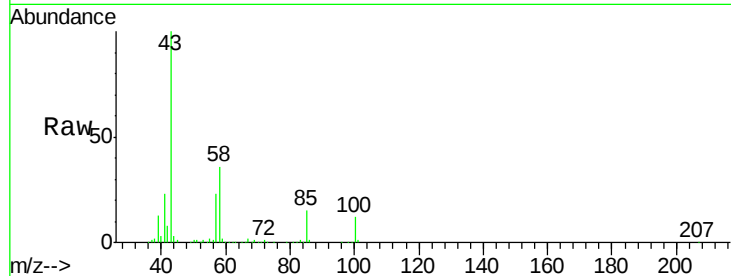
58 35.1 29.0 43.4

Manual Integrations

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4/17/2019 10:04:11 AM



#52

Toluene

Concen: 19.489 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055029.D

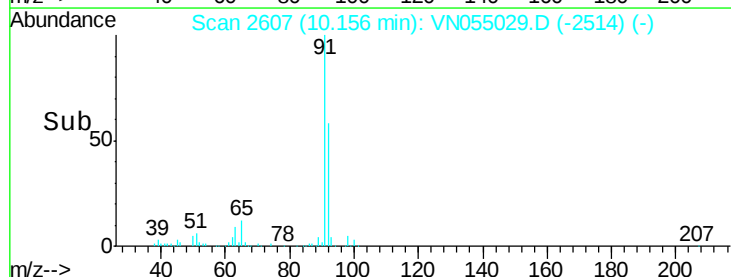
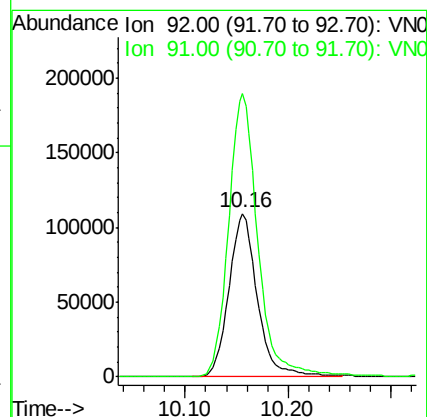
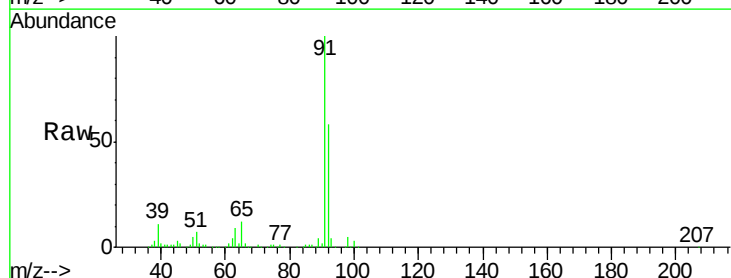
Acq: 13 Apr 2019 15:02

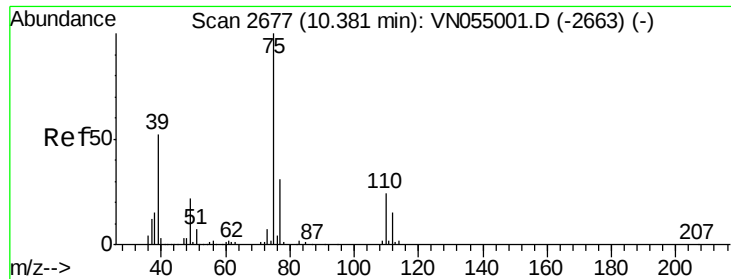
Tgt Ion: 92 Resp: 211132

Ion Ratio Lower Upper

92 100

91 177.6 140.8 211.2





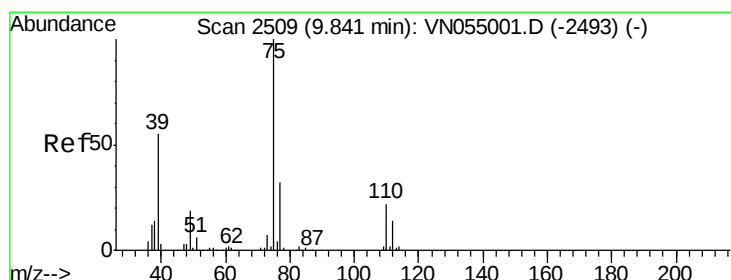
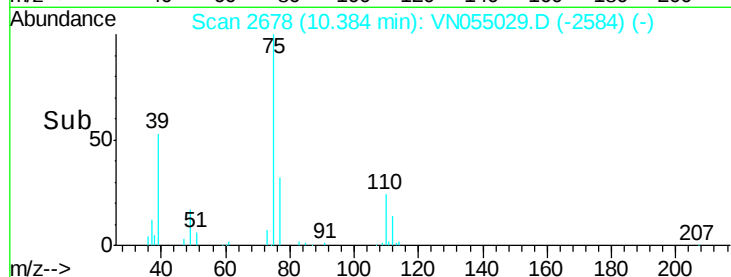
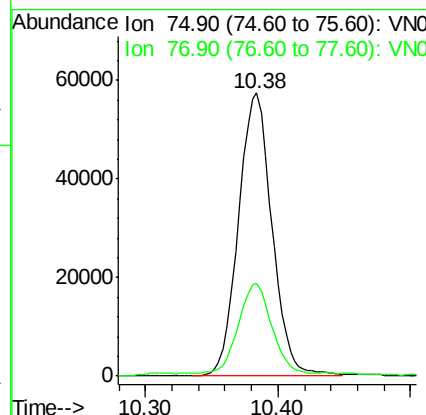
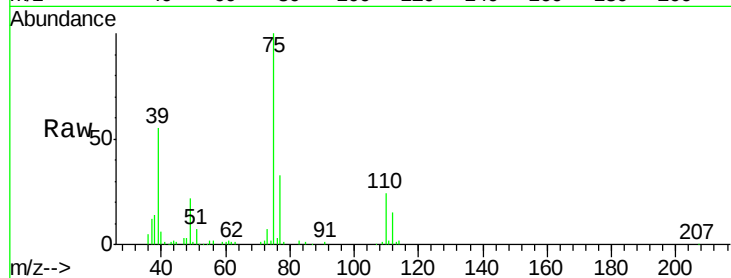
#53
t-1,3-Dichloropropene
Concen: 18.562 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion: 75 Resp: 101241
Ion Ratio Lower Upper
75 100
77 32.0 24.6 37.0

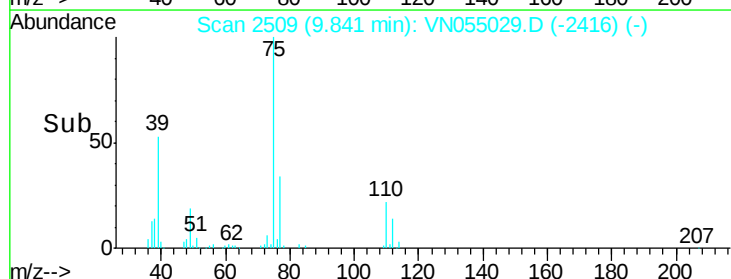
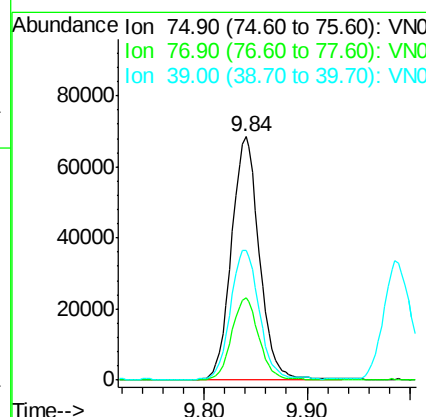
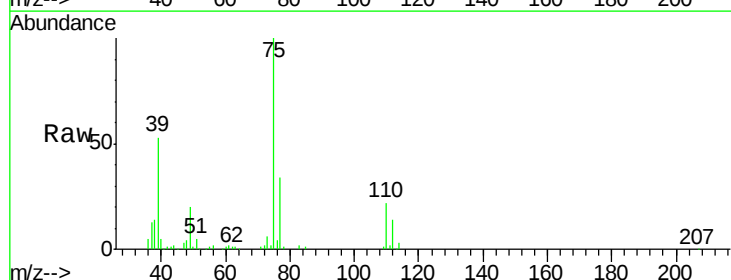
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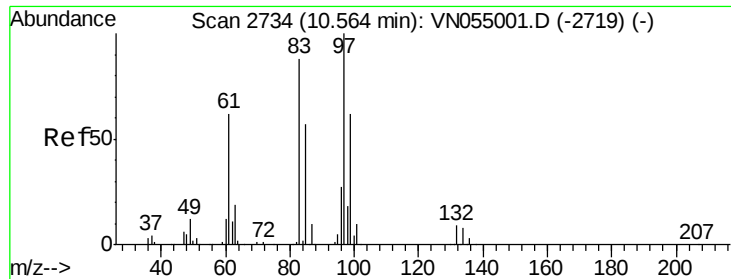
MMDadoda
4/17/2019 10:04:11 AM



#54
cis-1,3-Dichloropropene
Concen: 19.289 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion: 75 Resp: 129596
Ion Ratio Lower Upper
75 100
77 33.9 25.8 38.6
39 52.9 43.8 65.8





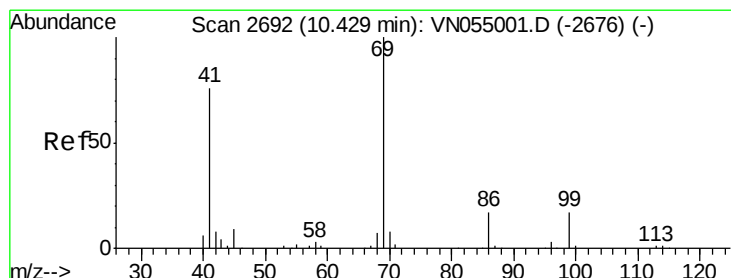
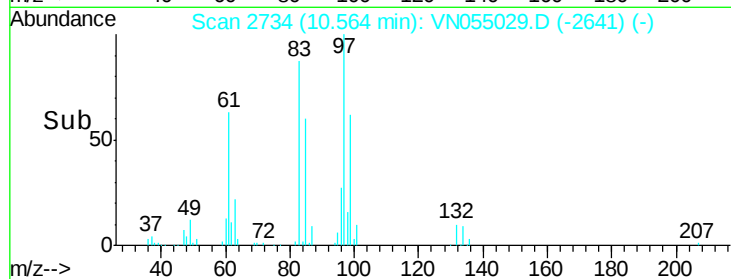
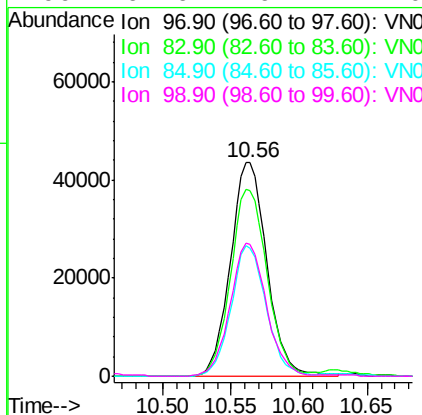
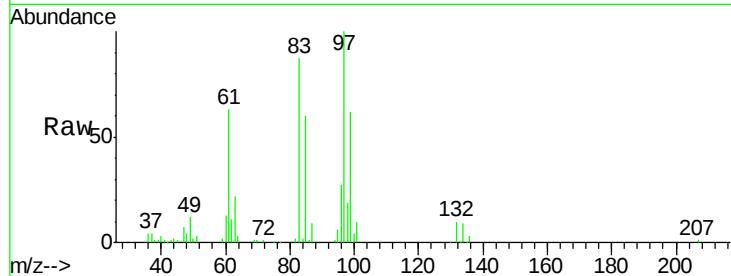
#55
 1,1,2-Trichloroethane
 Concen: 20.045 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion:	97	Resp:	80894
Ion	Ratio	Lower	Upper
97	100		
83	86.8	70.5	105.7
85	59.9	45.5	68.3
99	61.6	49.4	74.0

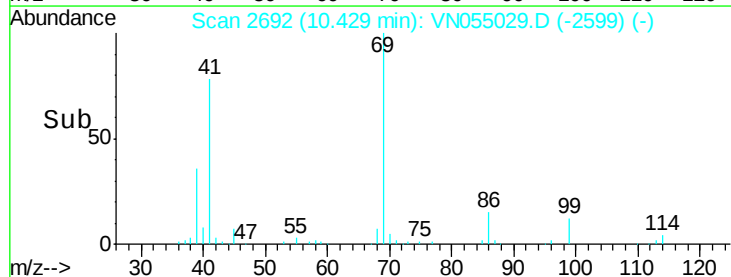
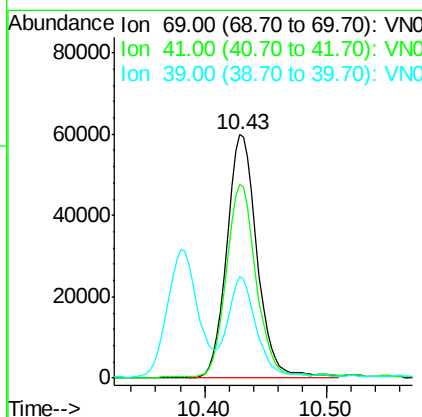
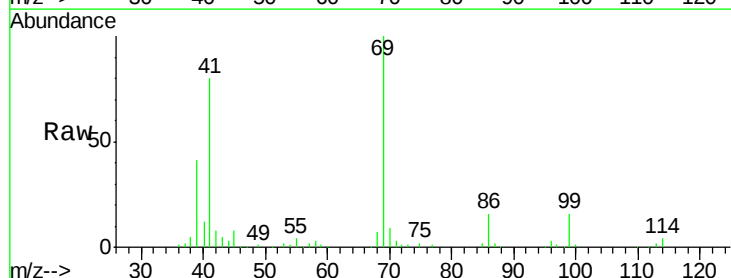
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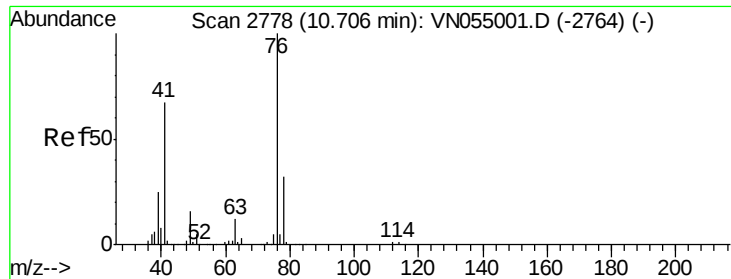
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#56
 Ethyl methacrylate
 Concen: 20.097 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Tgt Ion:	69	Resp:	104363
Ion	Ratio	Lower	Upper
69	100		
41	76.6	61.4	92.0
39	37.6	30.8	46.2





#57

1,3-Dichloropropane

Concen: 20.602 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 76 Resp: 143431

Ion Ratio Lower Upper

76 100

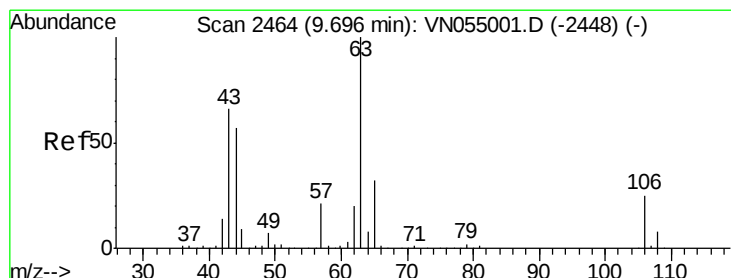
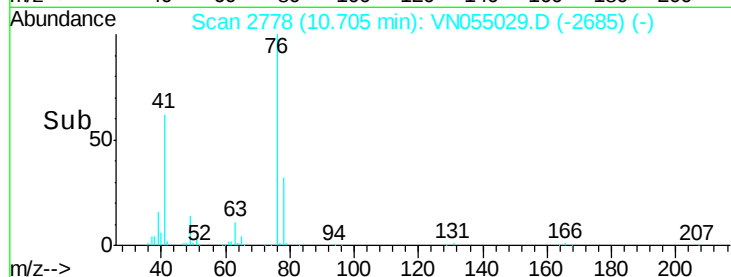
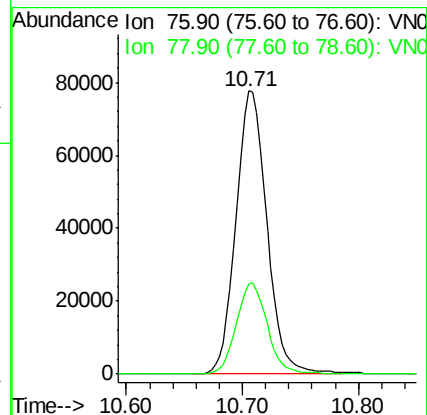
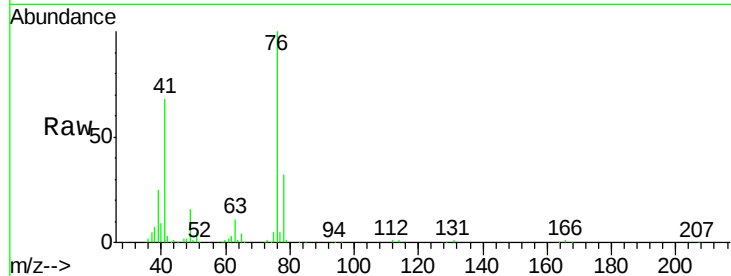
78 32.1 25.6 38.4

Manual Integrations

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4/17/2019 10:04:11 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.873 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055029.D

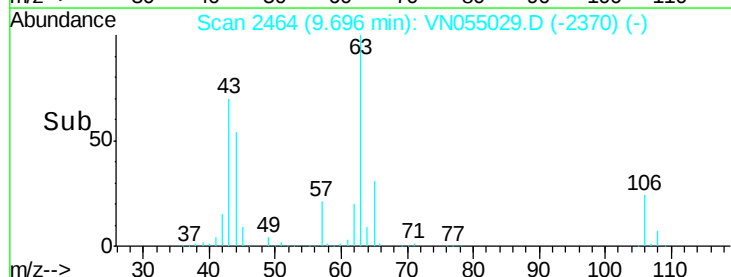
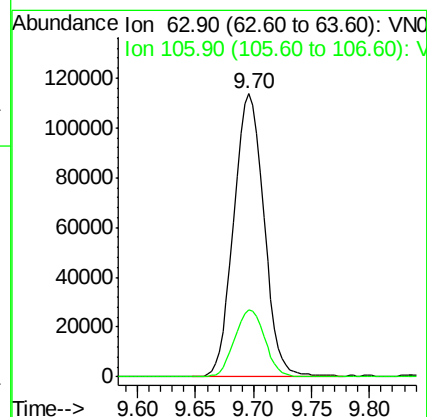
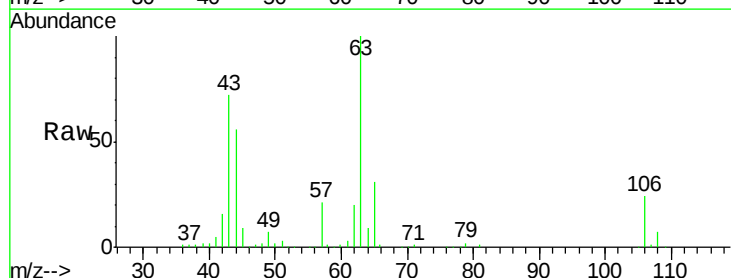
Acq: 13 Apr 2019 15:02

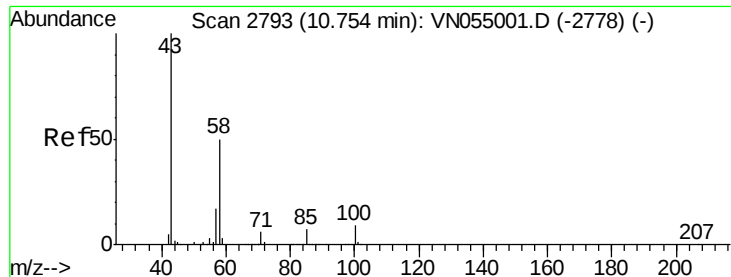
Tgt Ion: 63 Resp: 205531

Ion Ratio Lower Upper

63 100

106 23.6 20.0 30.0





#59

2-Hexanone

Concen: 104.551 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 43 Resp: 297524

Ion Ratio Lower Upper

43 100

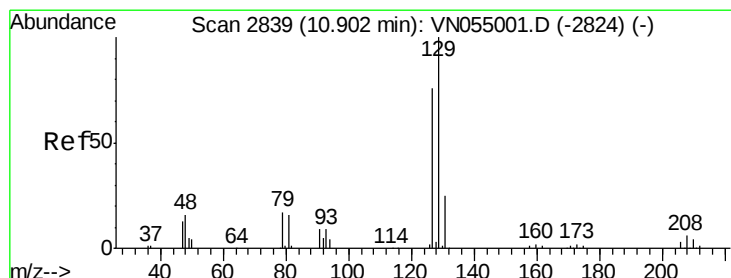
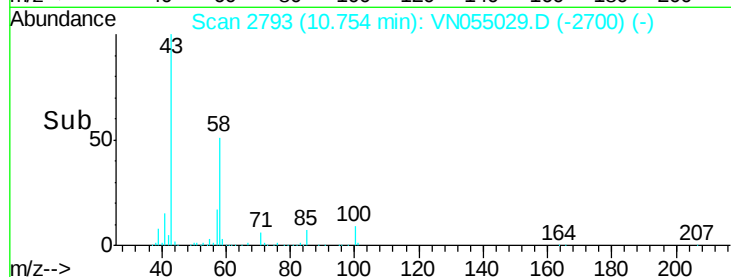
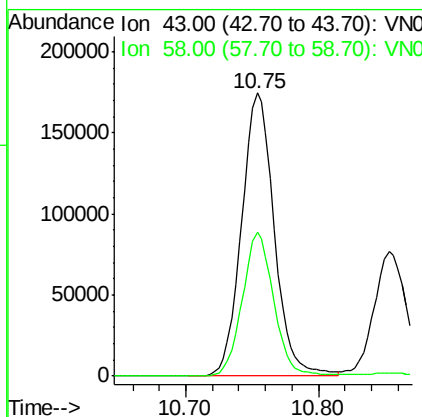
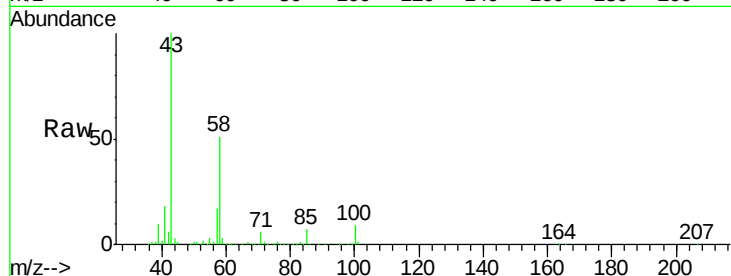
58 49.4 25.1 75.2

Manual Integrations

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#60

Dibromochloromethane

Concen: 19.563 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055029.D

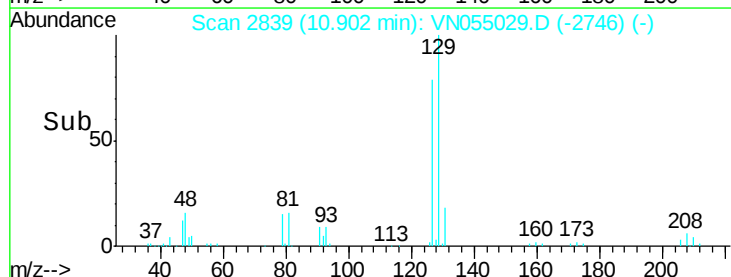
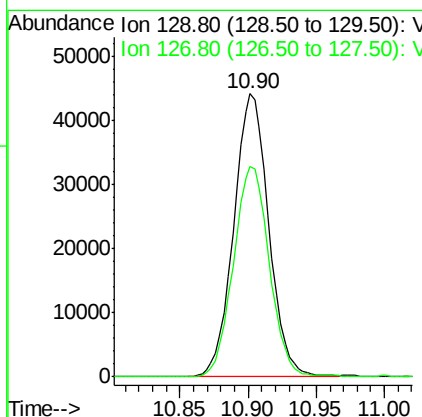
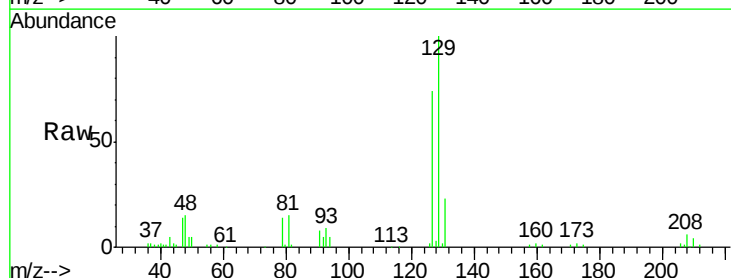
Acq: 13 Apr 2019 15:02

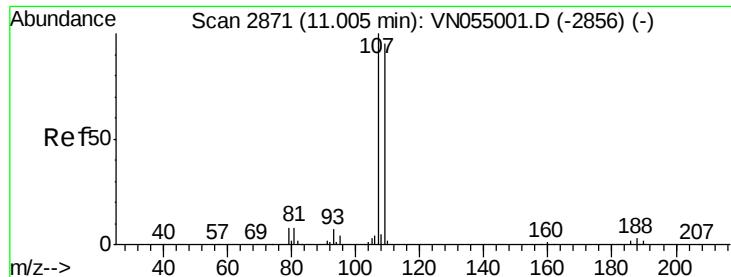
Tgt Ion: 129 Resp: 78587

Ion Ratio Lower Upper

129 100

127 76.0 38.2 114.6





#61

1,2-Dibromoethane

Concen: 19.828 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion:107 Resp: 76613

Ion Ratio Lower Upper

107 100

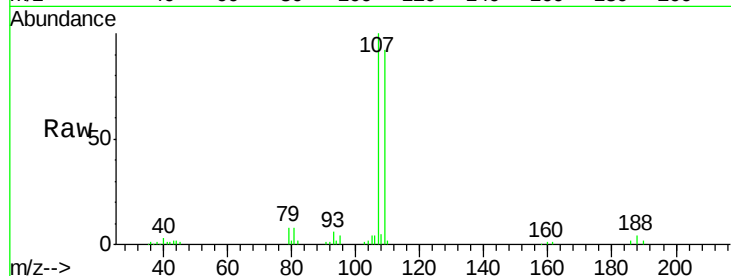
109 95.2 76.5 114.7

Manual Integrations

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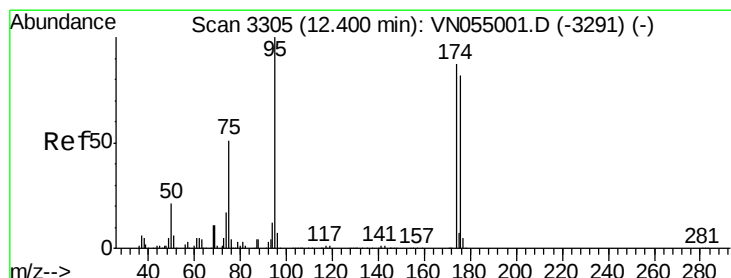
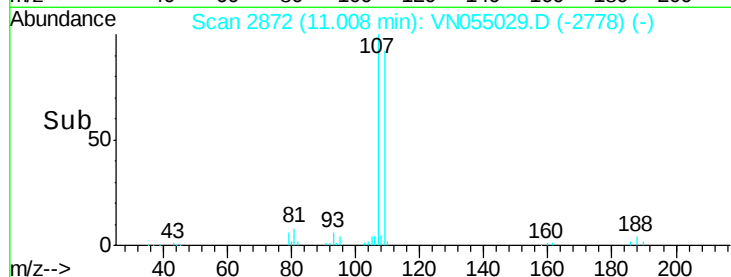
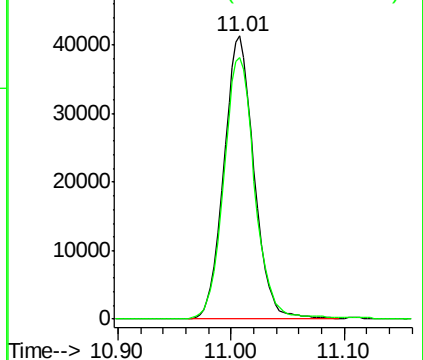
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.890 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

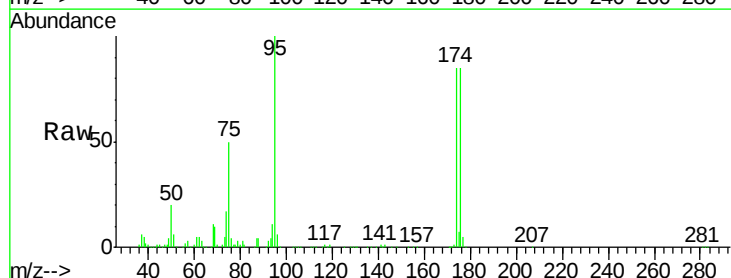
Tgt Ion: 95 Resp: 252780

Ion Ratio Lower Upper

95 100

174 85.3 0.0 174.4

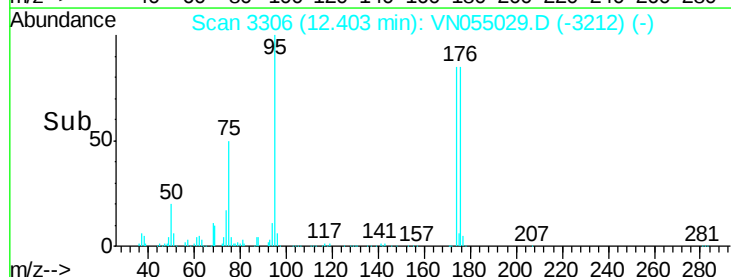
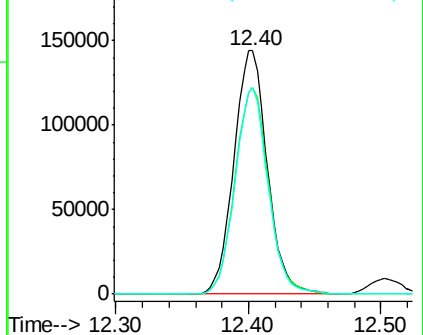
176 83.4 0.0 166.8

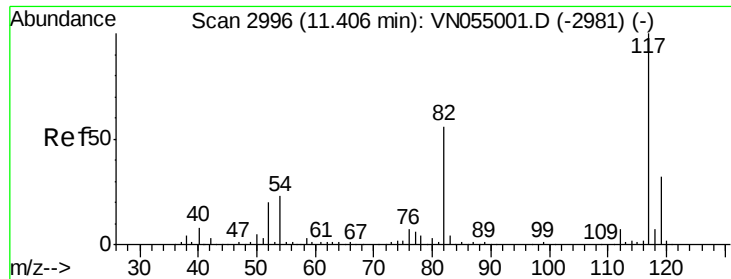


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

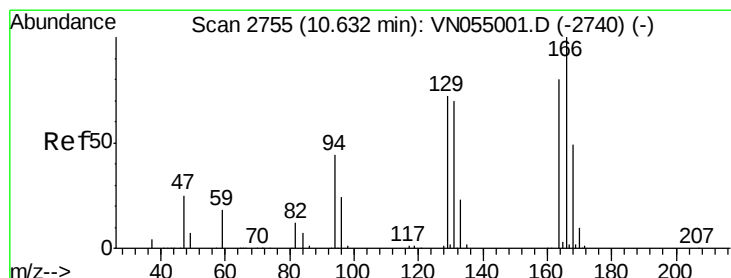
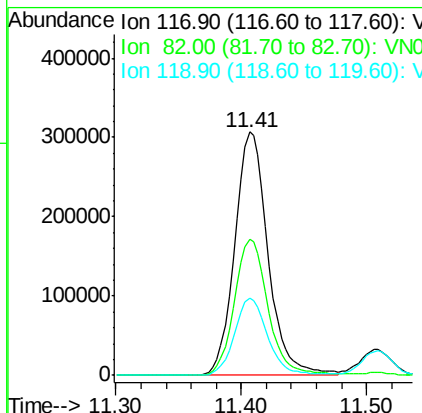
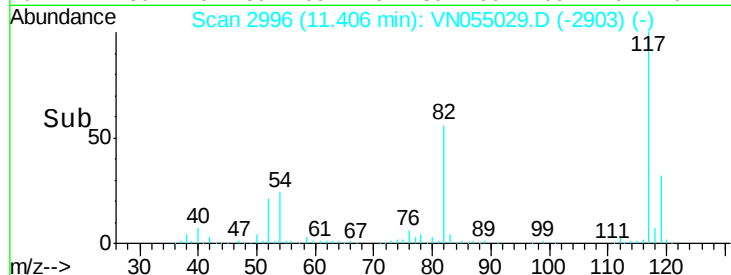
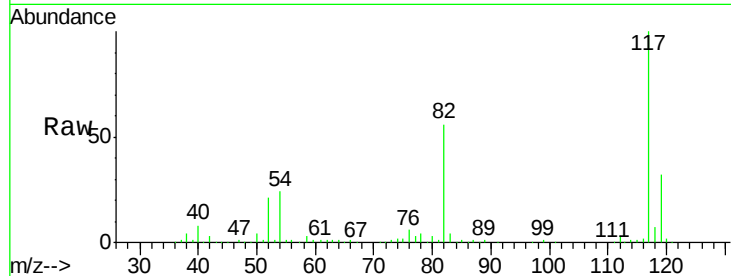
ClientSampleId :

VN0414WBS01

Tot Ion:	117	Resp:	565954
Ion Ratio		Lower	Upper
117	100		
82	56.1	44.6	66.8
119	31.7	25.5	38.3

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#64

Tetrachloroethene

Concen: 18.960 ug/l

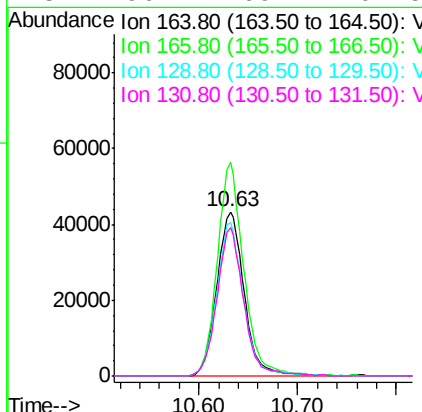
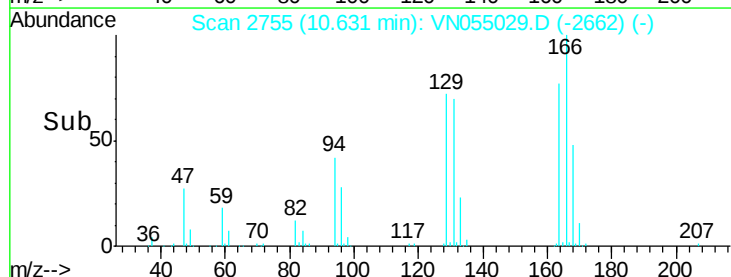
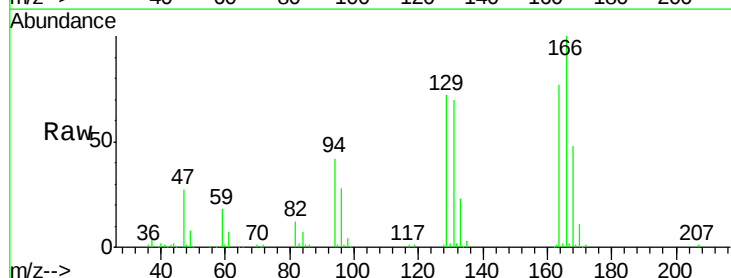
RT: 10.63 min Scan# 2755

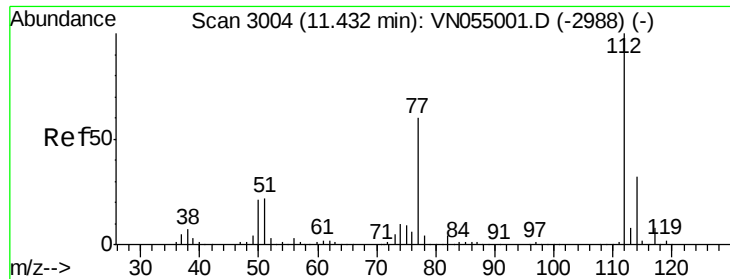
Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Tgt Ion:	164	Resp:	83938
Ion Ratio		Lower	Upper
164	100		
166	130.3	100.0	150.0
129	93.4	72.0	108.0
131	90.7	69.7	104.5





#65

Chlorobenzene

Concen: 19.890 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

ClientSampled :

VN0414WBS01

Tot Ion:112 Resp: 217057

Ion Ratio Lower Upper

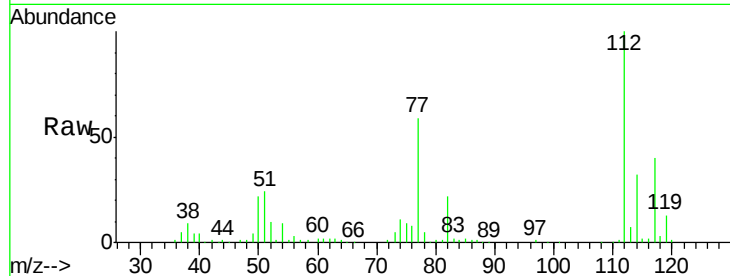
112 100

114 32.0 25.3 37.9

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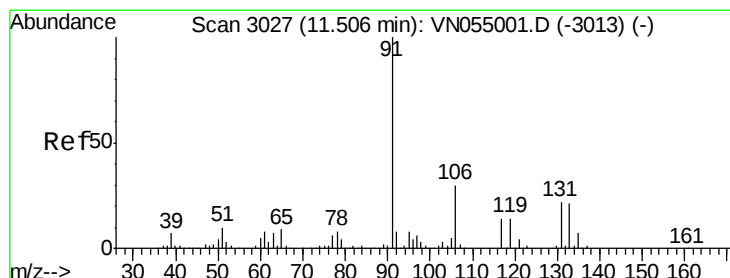
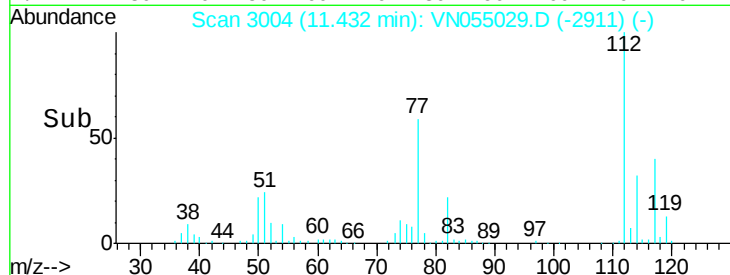
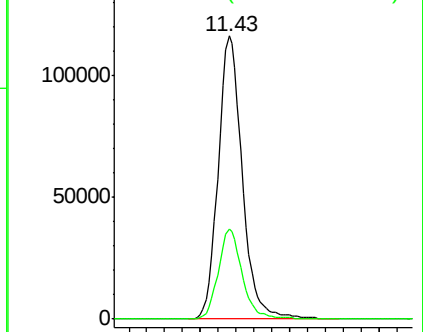
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.535 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

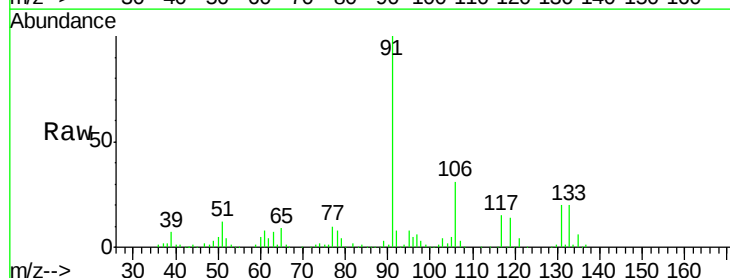
Tgt Ion:131 Resp: 78562

Ion Ratio Lower Upper

131 100

133 96.7 47.8 143.3

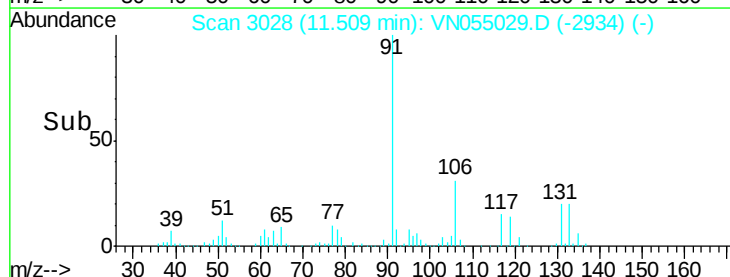
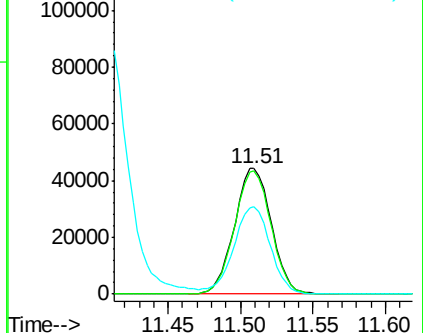
119 69.4 33.6 100.6

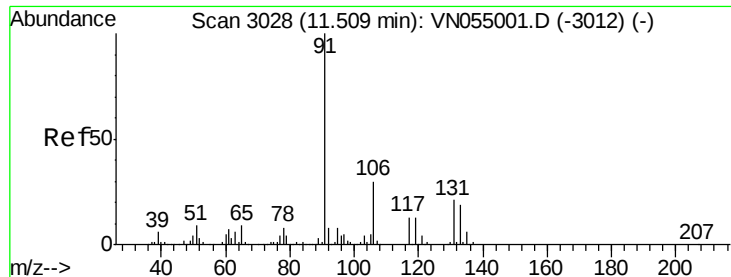


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





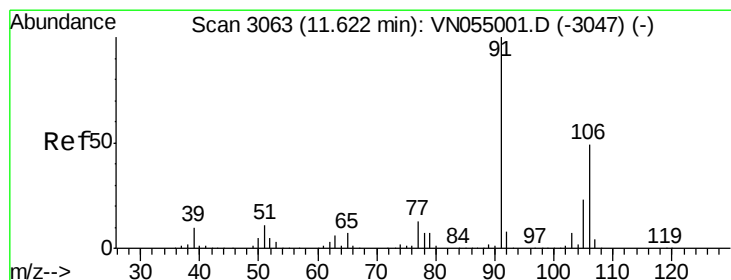
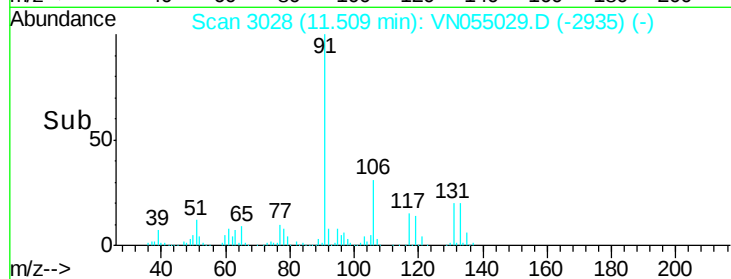
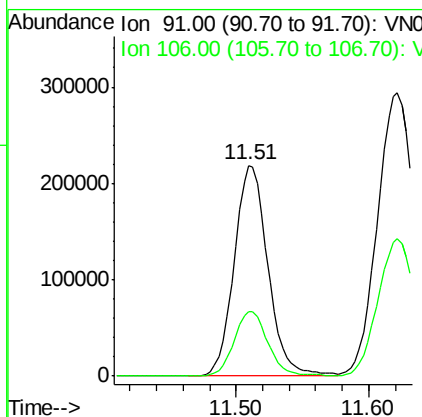
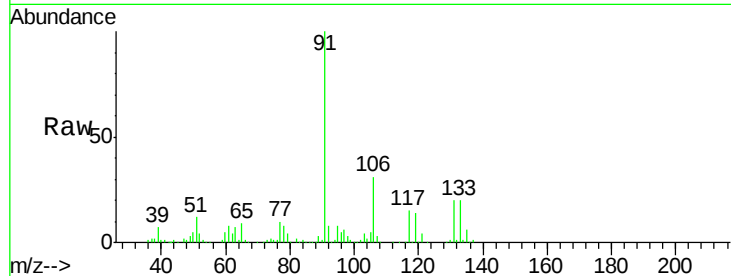
#67
Ethyl Benzene
Concen: 19.322 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion: 91 Resp: 387316
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5

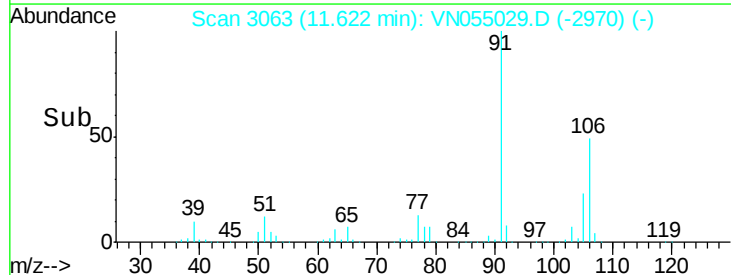
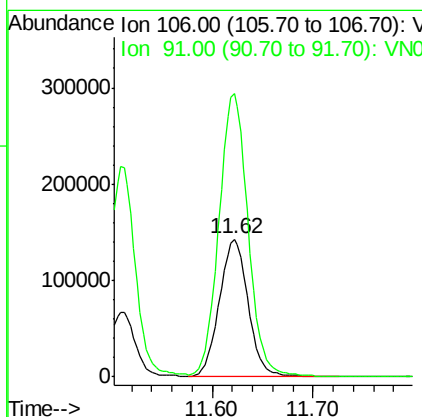
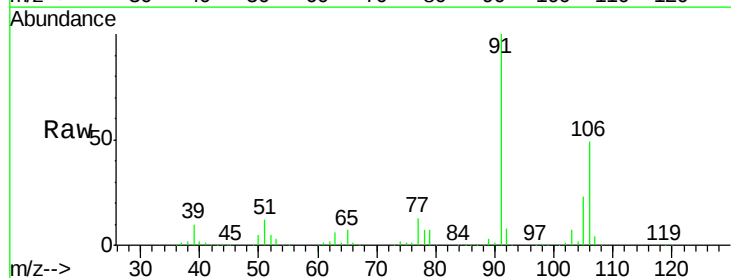
Manual Integrations
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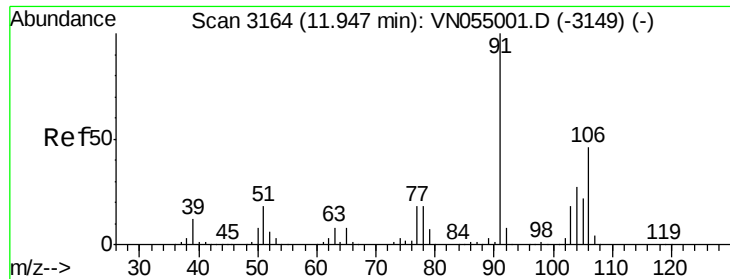
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#68
m/p-Xylenes
Concen: 39.051 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion: 106 Resp: 286392
Ion Ratio Lower Upper
106 100
91 207.0 165.9 248.9





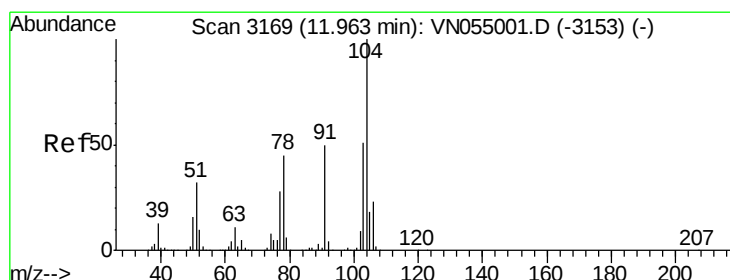
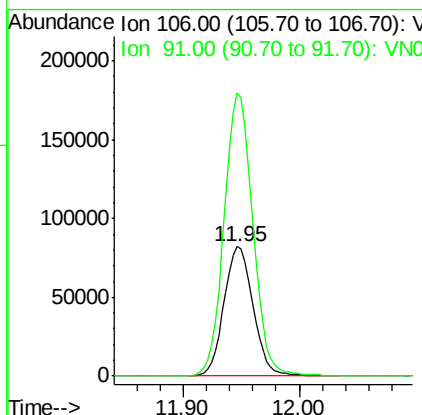
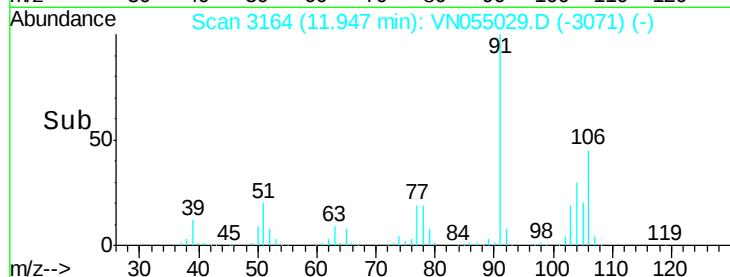
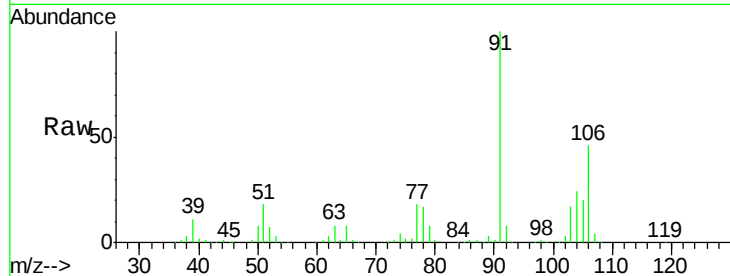
#69
o-Xylene
Concen: 19.608 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampled :
VN0414WBS01

Tot Ion:106 Resp: 142282
Ion Ratio Lower Upper
106 100
91 216.0 109.9 329.8

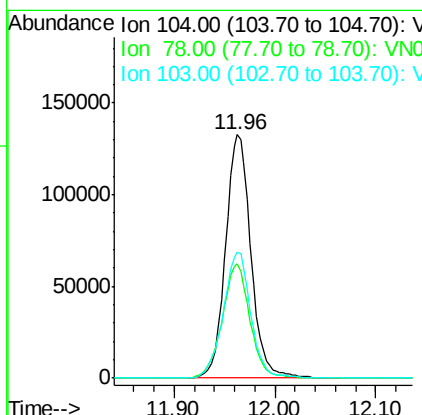
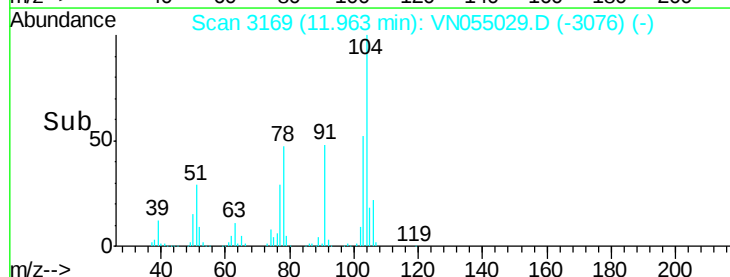
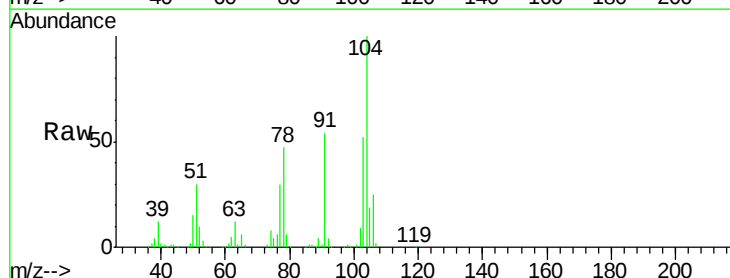
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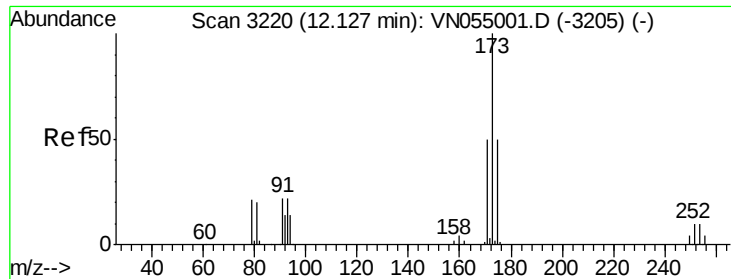
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#70
Styrene
Concen: 20.245 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion:104 Resp: 232922
Ion Ratio Lower Upper
104 100
78 51.3 40.3 60.5
103 56.1 44.3 66.5





#71

Bromoform

Concen: 19.082 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

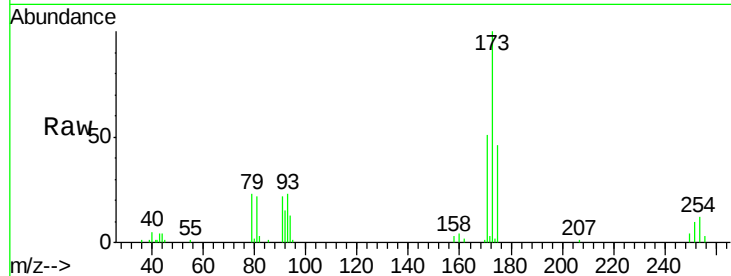
ClientSampleId :

VN0414WBS01

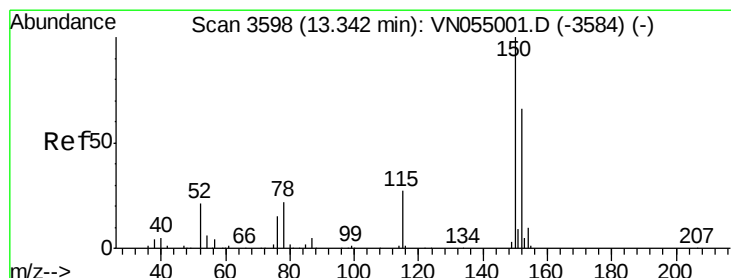
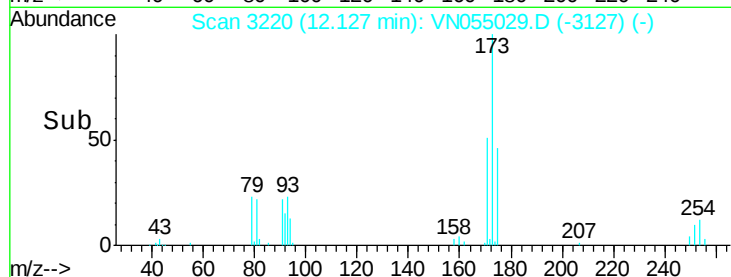
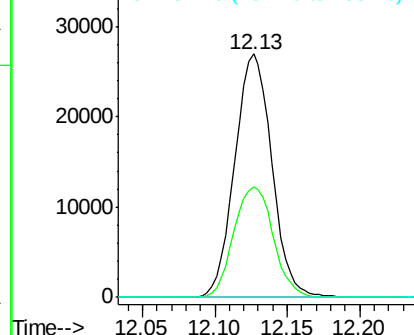
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.3	73.0
254	0.0	0.1	0.1#

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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

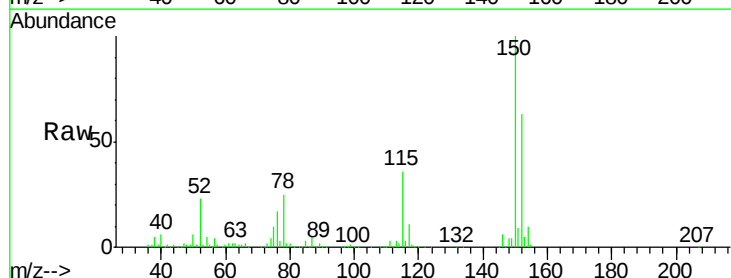
RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

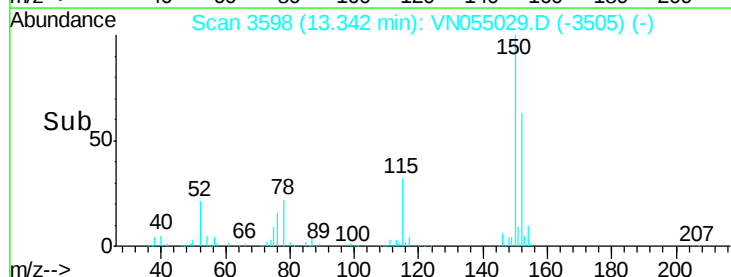
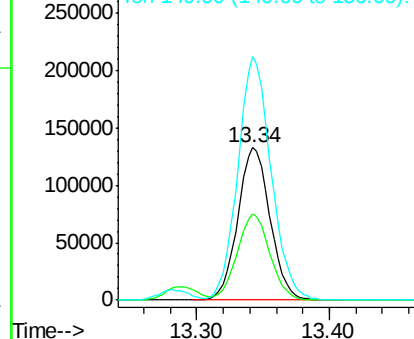
Lab File: VN055029.D

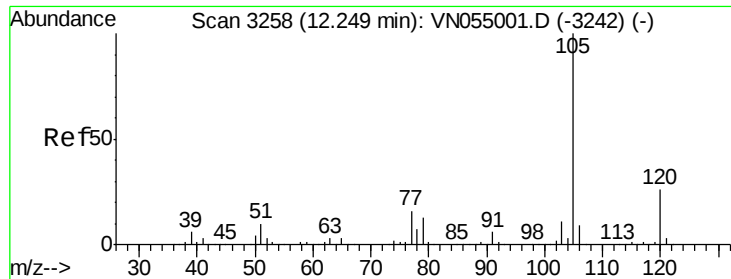
Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.5	85.6
150	165.1	0.0	347.2



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





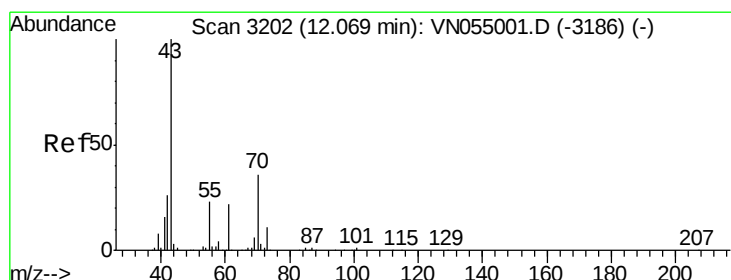
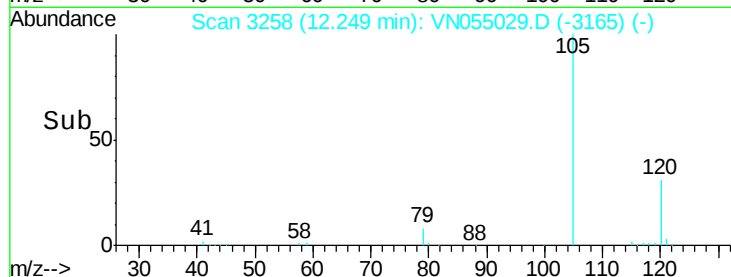
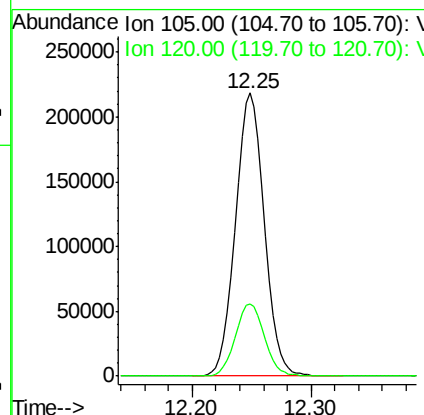
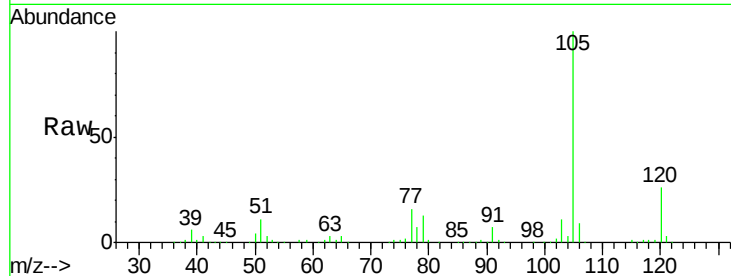
#73
Isopropylbenzene
Concen: 19.213 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.3	39.9

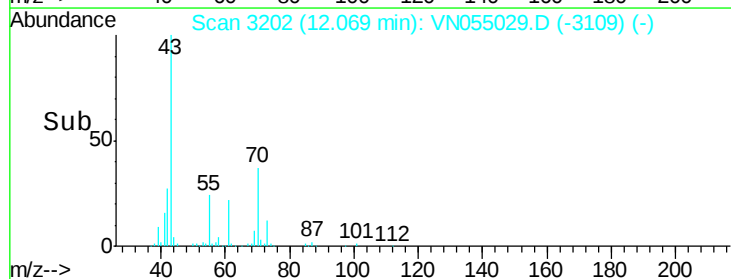
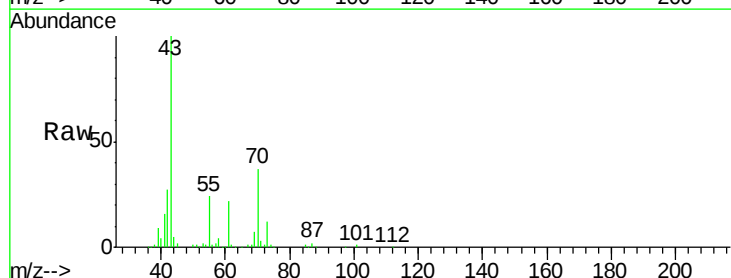
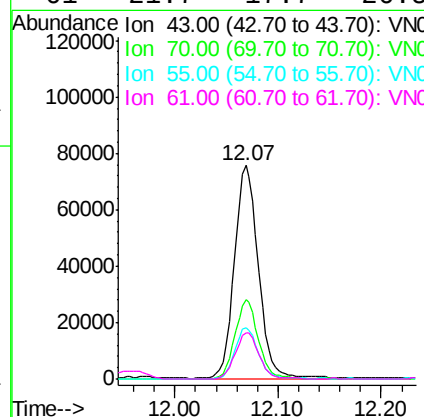
Manual Integrations
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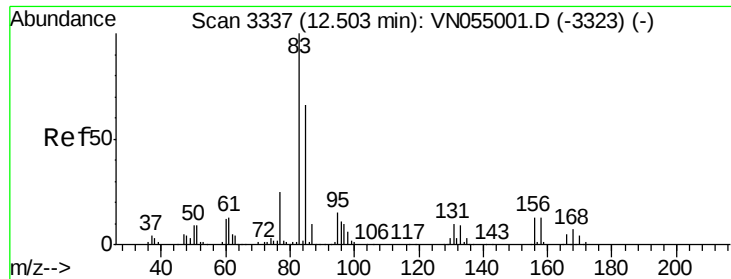
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#74
N-ethyl acetate
Concen: 21.434 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
43	100		
70	36.2	29.4	44.0
55	23.7	19.0	28.4
61	21.7	17.7	26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.062 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

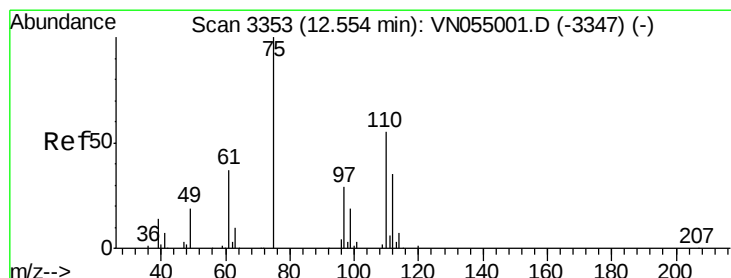
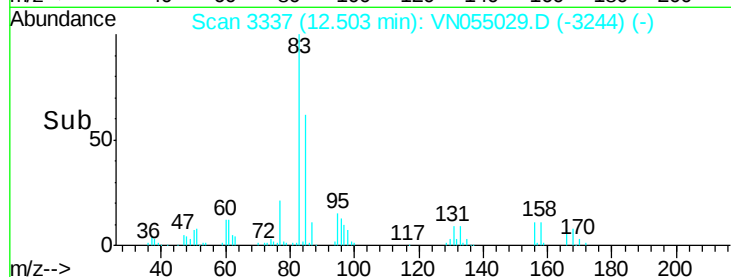
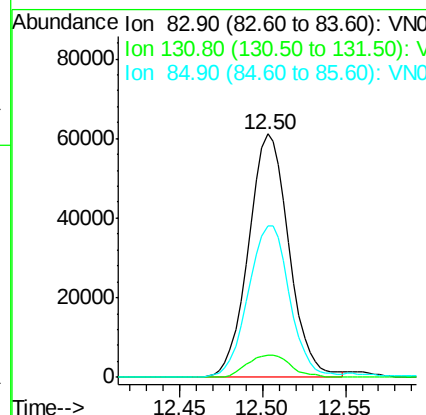
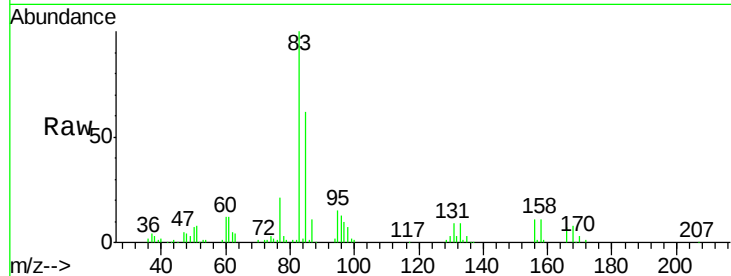
ClientSampleId :

VN0414WBS01

Tot Ion:	83	Resp:	103893
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.9	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.269 ug/l m

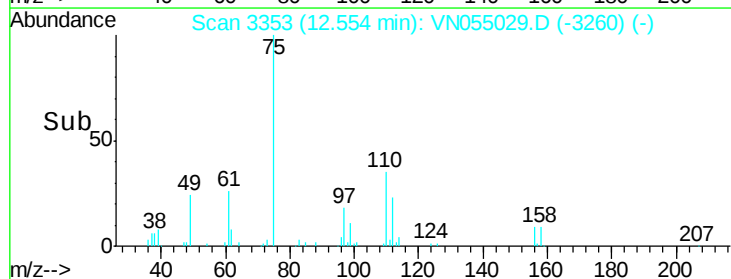
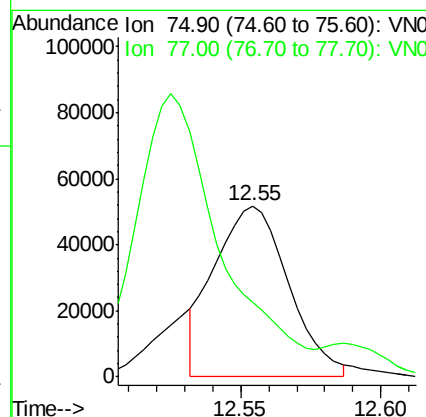
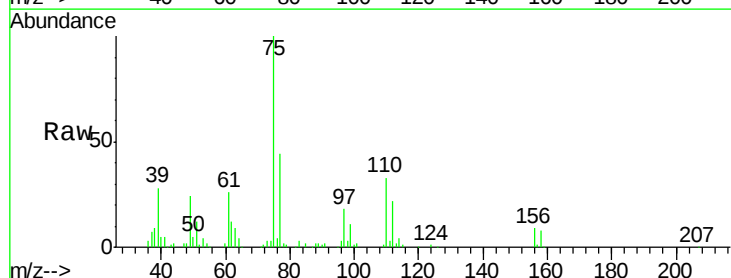
RT: 12.55 min Scan# 3353

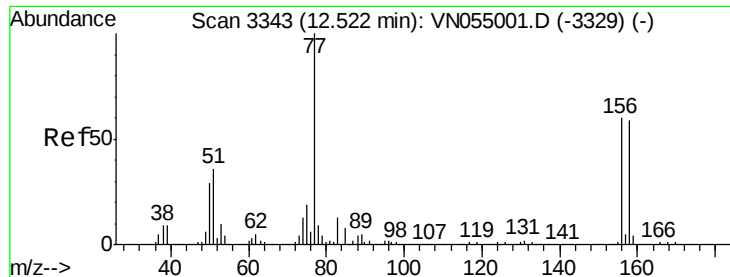
Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Tgt Ion:	75	Resp:	95926
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.197 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

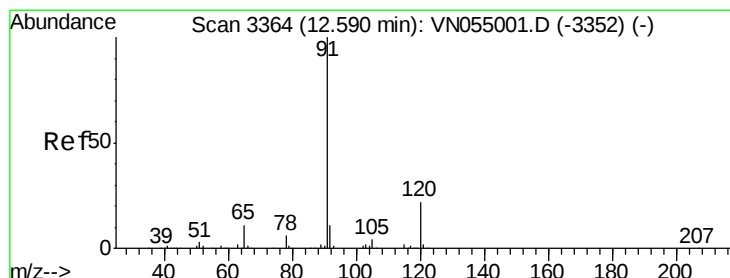
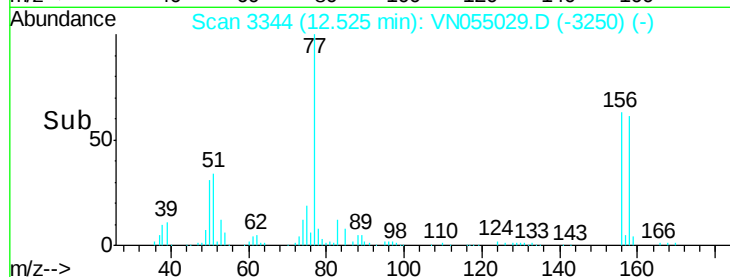
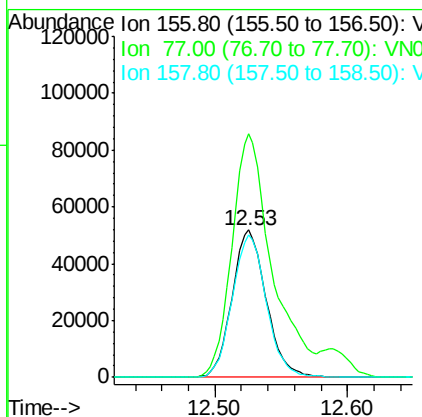
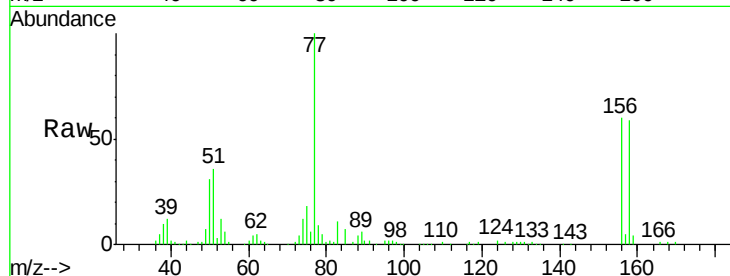
ClientSampleId :

VN0414WBS01

Tot Ion:	156	Resp:	92835
Ion	Ratio	Lower	Upper
156	100		
77	194.4	97.2	291.5
158	96.3	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 18.888 ug/l

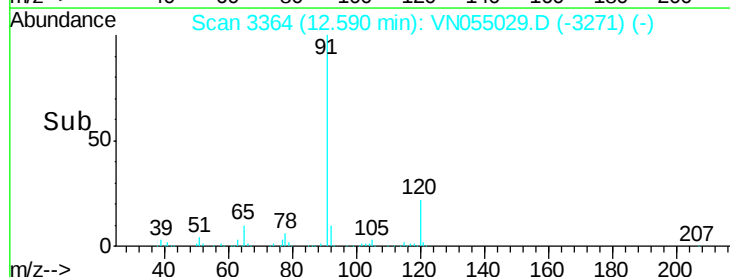
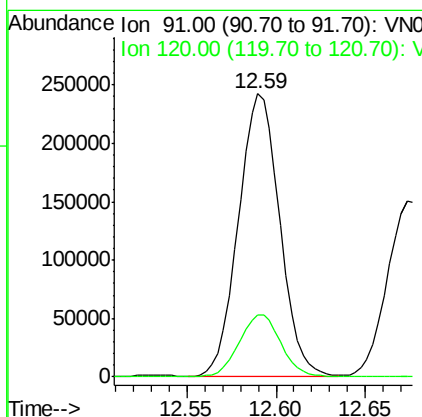
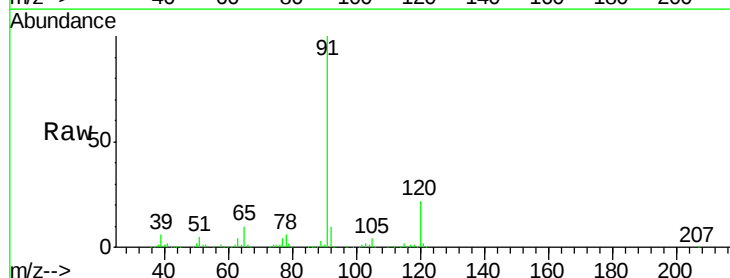
RT: 12.59 min Scan# 3364

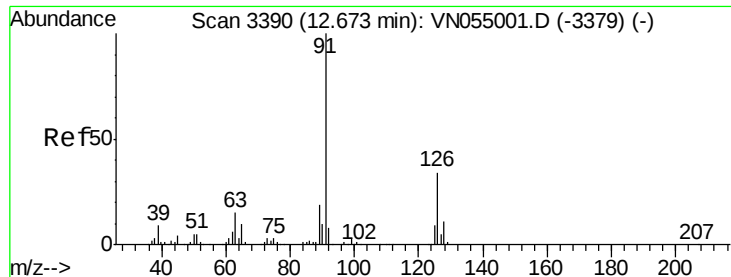
Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Tgt Ion:	91	Resp:	392057
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.765 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VN0414WBS01

Tot Ion: 91 Resp: 253442

Ion Ratio Lower Upper

91 100

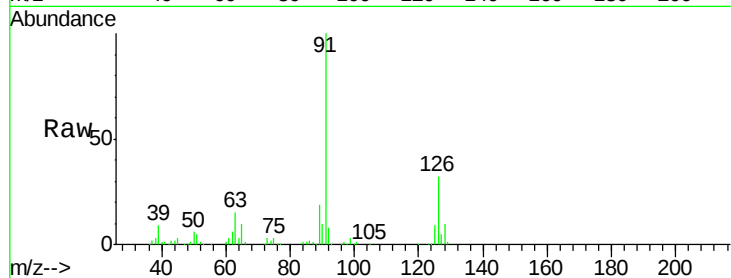
126 33.6 17.1 51.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN055001.D (-3379) (-)

250000

200000

150000

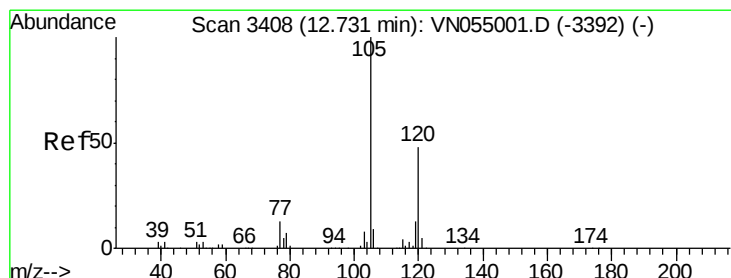
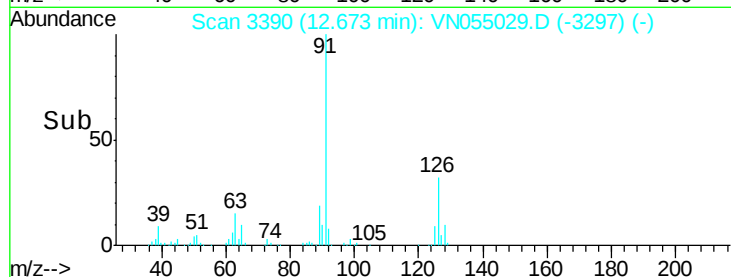
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.881 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055029.D

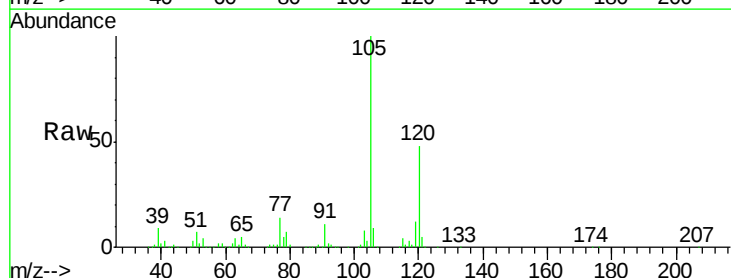
Acq: 13 Apr 2019 15:02

Tgt Ion:105 Resp: 292840

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN055001.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN055001.D (-3392) (-)

200000

150000

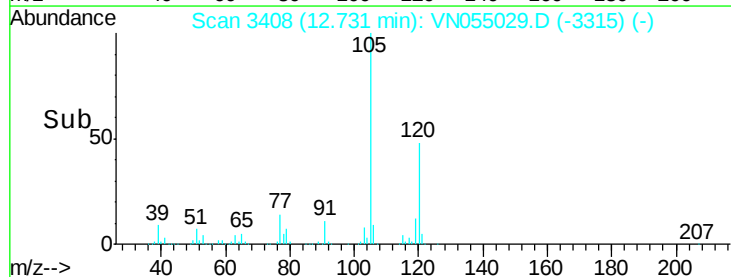
100000

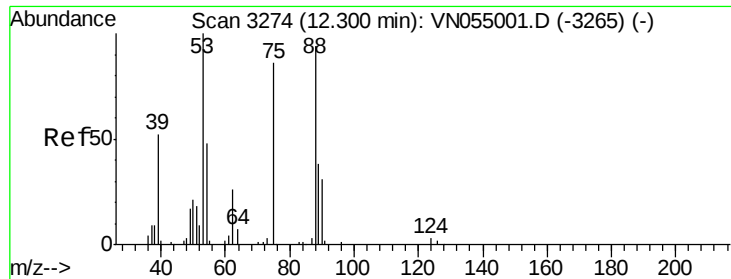
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.118 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

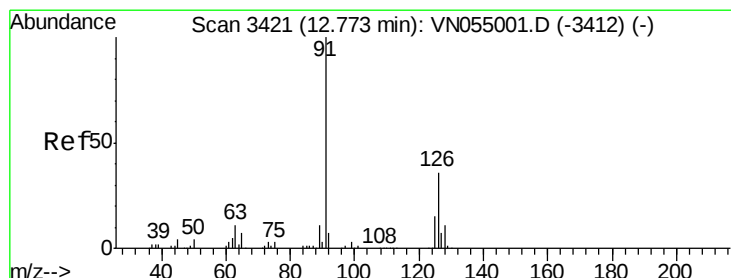
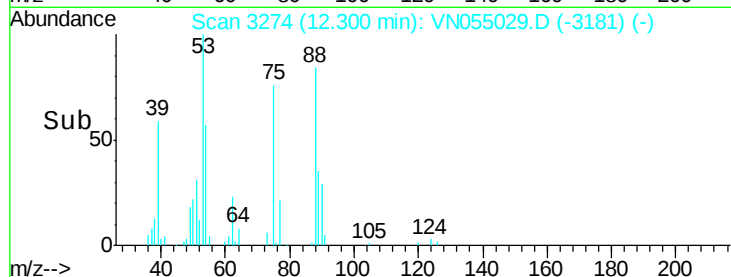
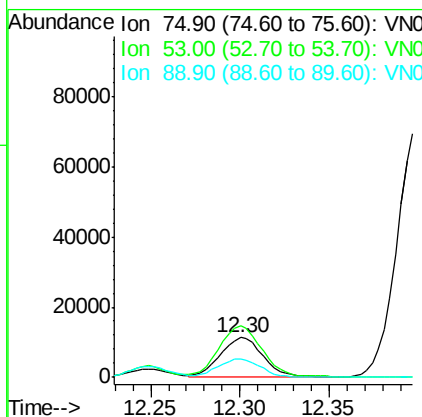
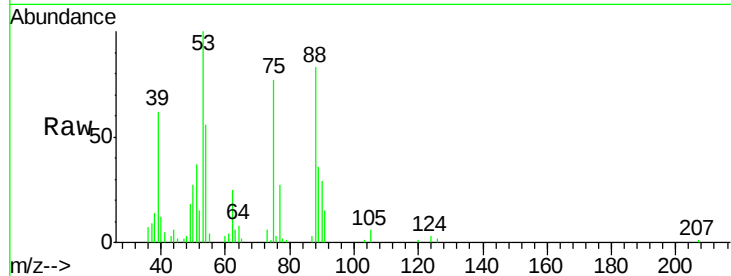
ClientSampleId :

VN0414WBS01

Tot Ion:	75	Resp:	19095
Ion Ratio	Lower	Upper	
75	100		
53	131.7	96.3	144.5
89	46.5	38.6	57.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.279 ug/l

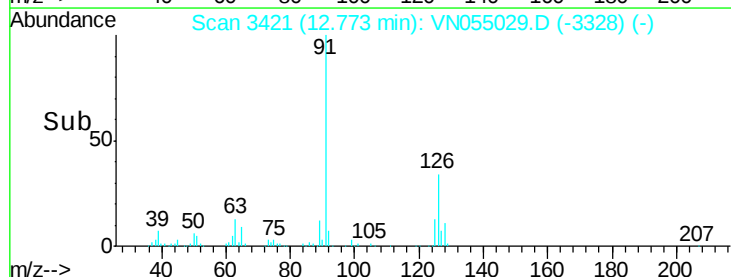
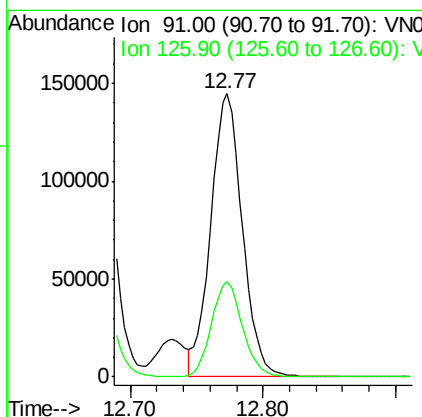
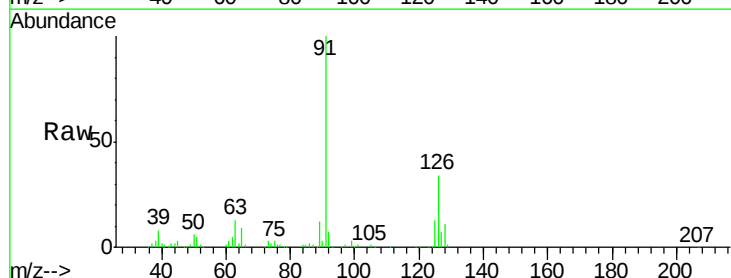
RT: 12.77 min Scan# 3421

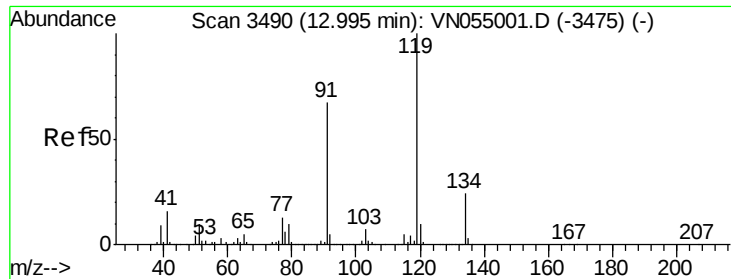
Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Tgt Ion:	91	Resp:	239082
Ion Ratio	Lower	Upper	
91	100		
126	33.2	16.4	49.2





#83

tert-Butylbenzene

Concen: 18.727 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

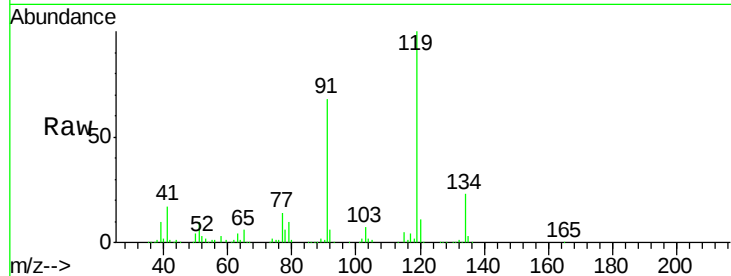
ClientSampleId :

VN0414WBS01

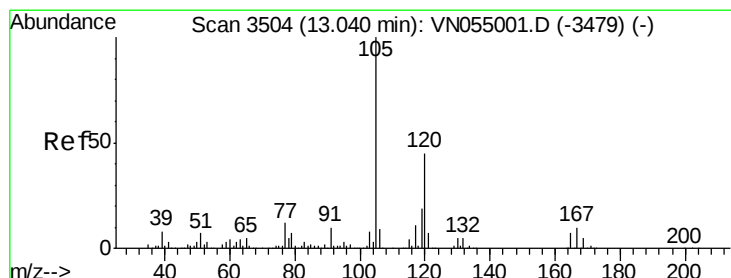
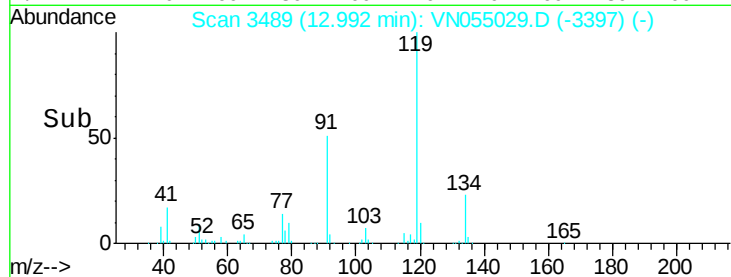
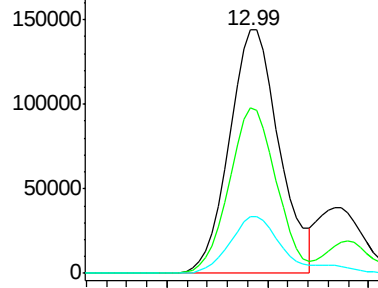
Tot Ion:	119	Resp:	248823
Ion Ratio	Lower	Upper	
119	100		
91	64.4	33.3	99.8
134	23.3	12.3	36.9

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.253 ug/l

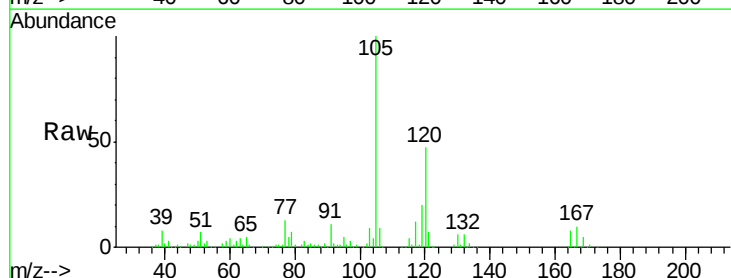
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

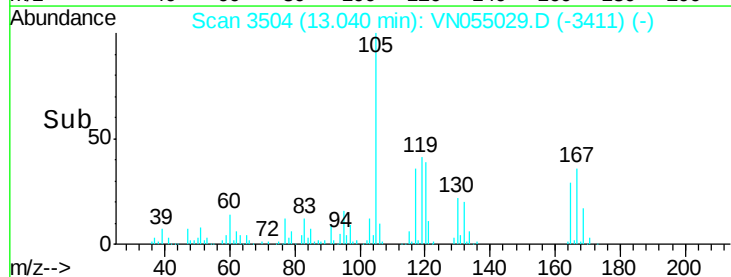
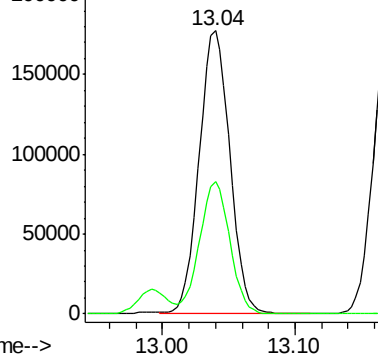
Lab File: VN055029.D

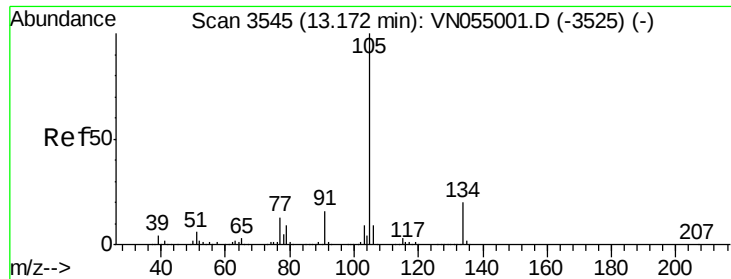
Acq: 13 Apr 2019 15:02

Tgt Ion:	105	Resp:	286335
Ion Ratio	Lower	Upper	
105	100		
120	46.2	22.4	67.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





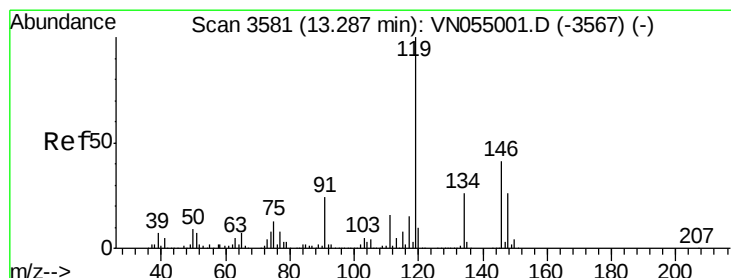
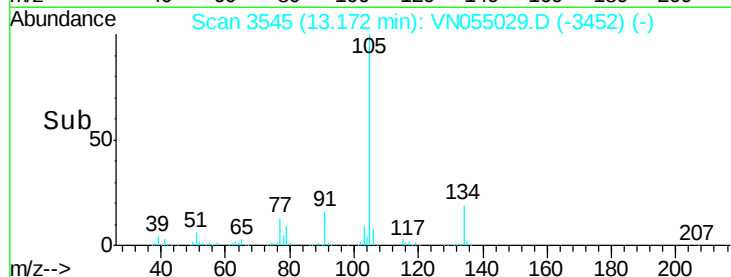
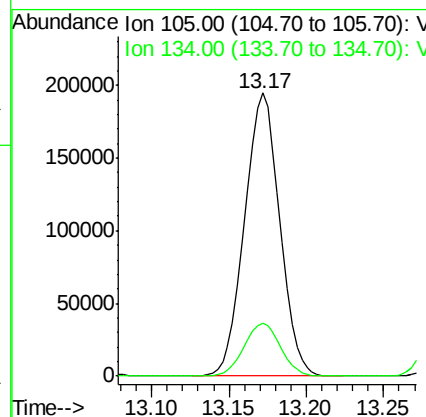
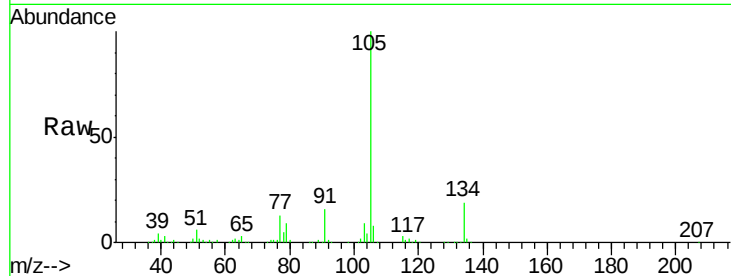
#85
 sec-Butylbenzene
 Concen: 18.151 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.4	9.8	29.3

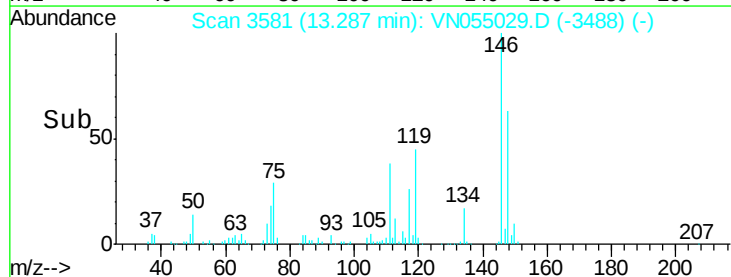
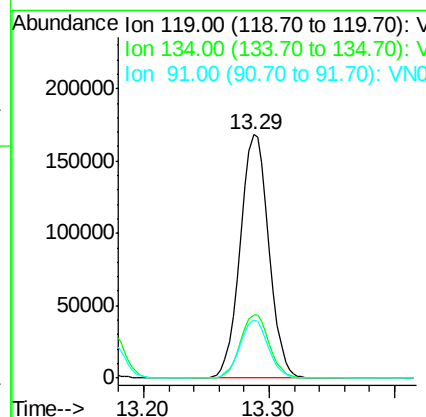
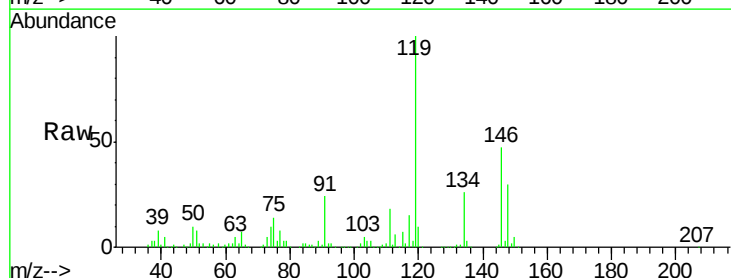
Manual Integrations
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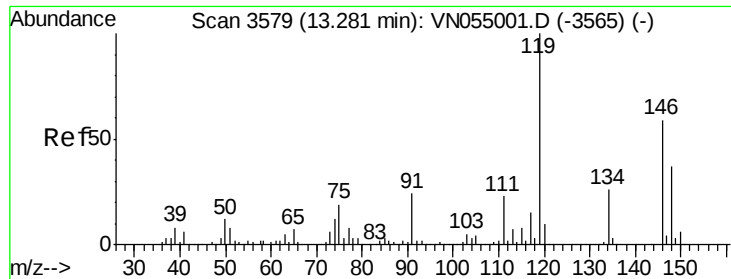
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#86
 p-Isopropyltoluene
 Concen: 18.060 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.2	39.5
91	23.7	11.7	35.1





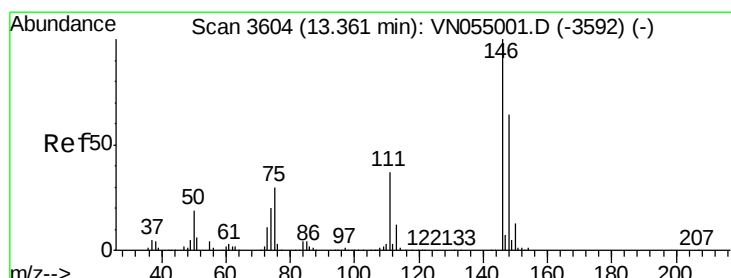
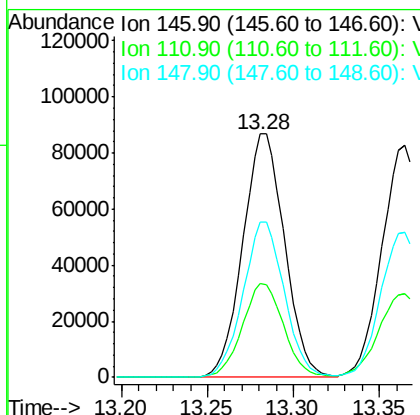
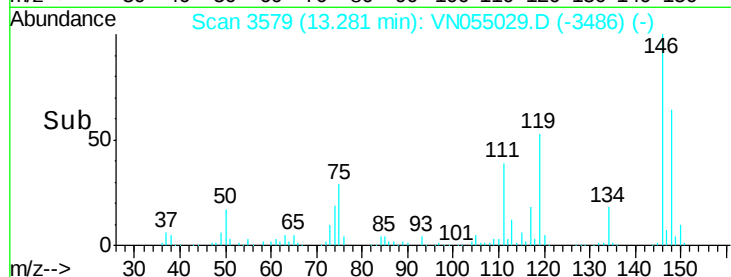
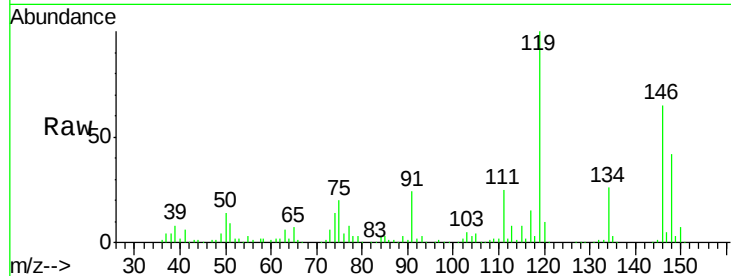
#87
 1,3-Dichlorobenzene
 Concen: 19.243 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.5	58.5
148	63.1	31.6	94.7

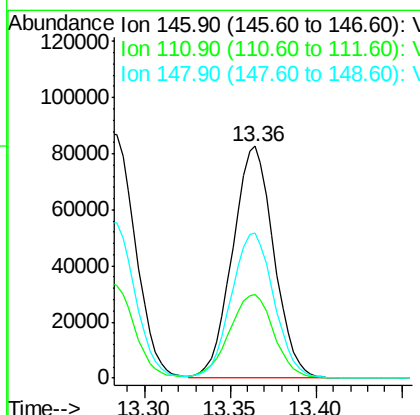
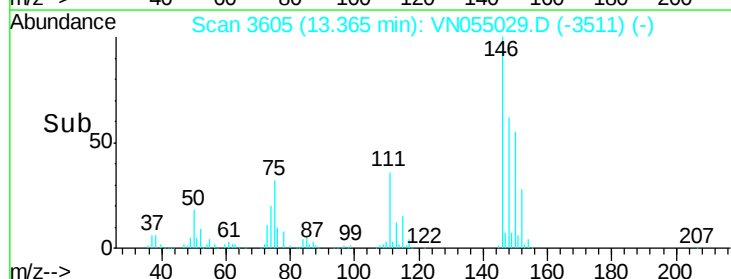
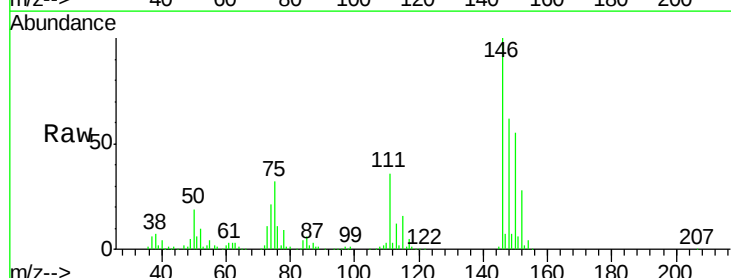
Manual Integrations
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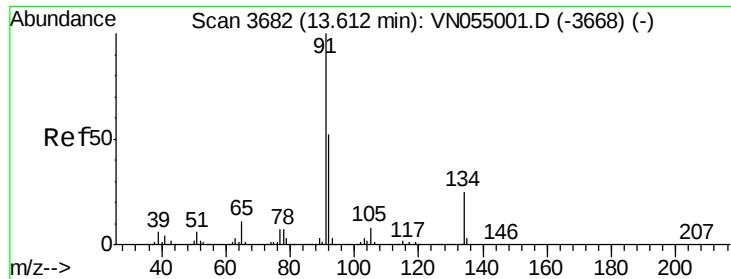
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#88
 1,4-Dichlorobenzene
 Concen: 18.956 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	18.8	56.4
148	64.6	32.4	97.2





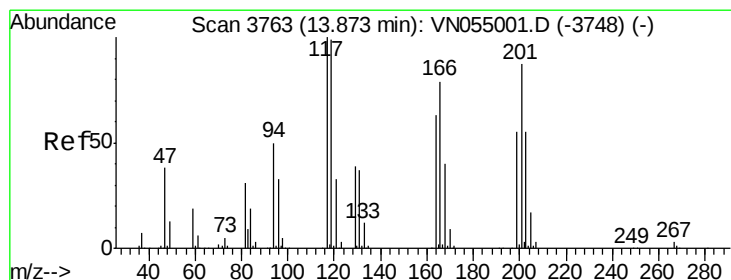
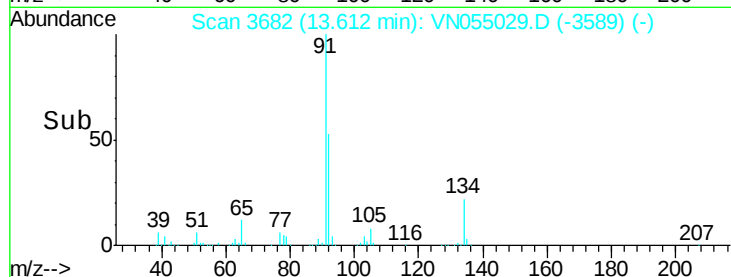
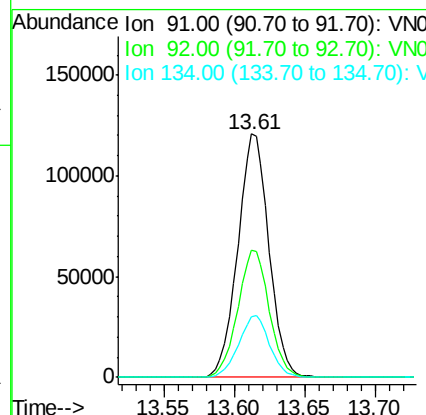
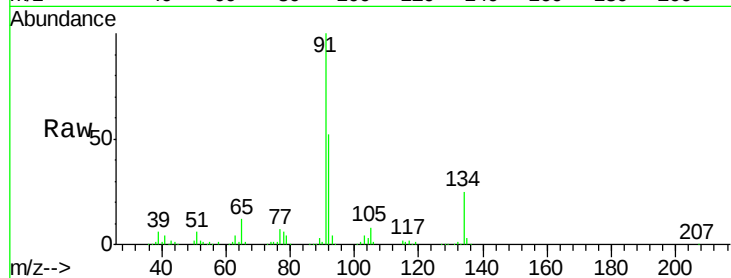
#89
n-Butylbenzene
Concen: 16.104 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.9	77.7
134	25.2	12.8	38.3

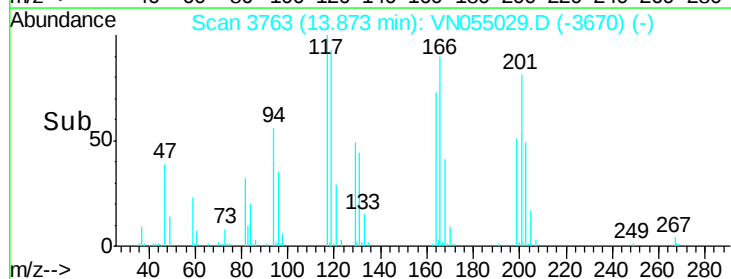
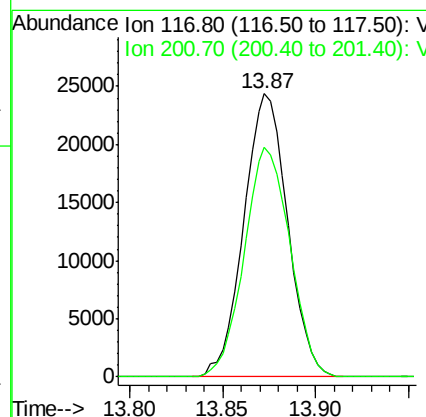
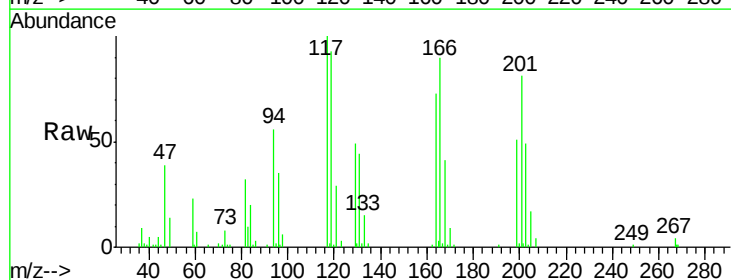
Manual Integrations
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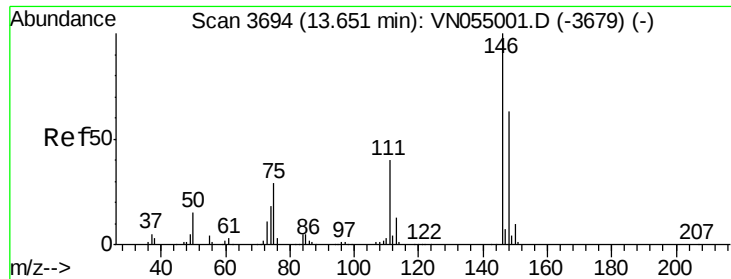
MMDadoda
4/17/2019 10:04:11 AM



#90
Hexachloroethane
Concen: 16.450 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	43.4	130.2





#91

1,2-Dichlorobenzene

Concen: 20.153 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Instrument :

MSVOA_N

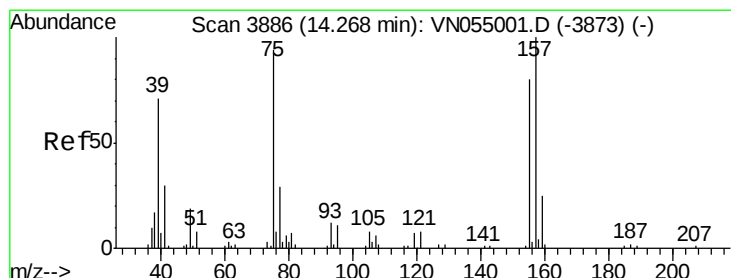
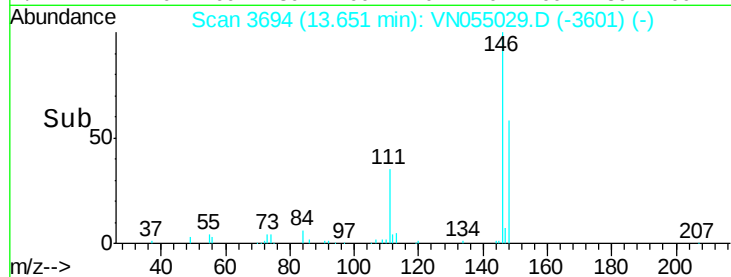
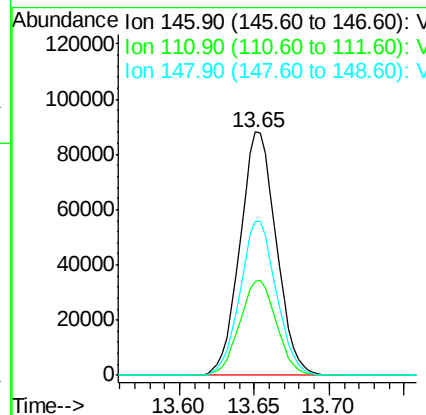
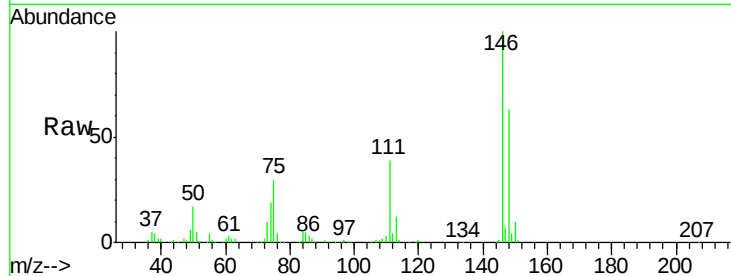
ClientSampleId :

VN0414WBS01

Tot Ion:	146	Resp:	148902
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.3	60.9
148	63.4	32.2	96.6

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.397 ug/l

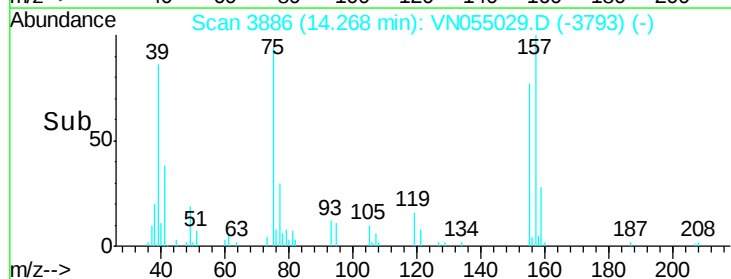
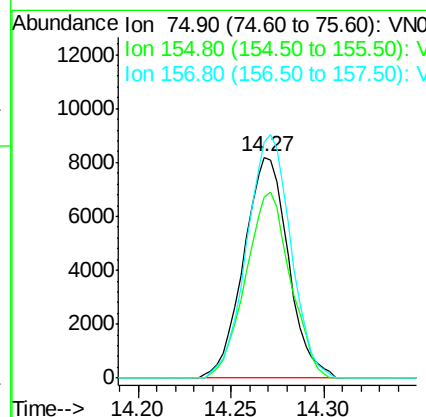
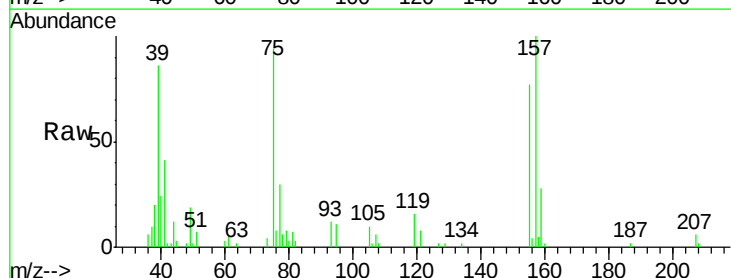
RT: 14.27 min Scan# 3886

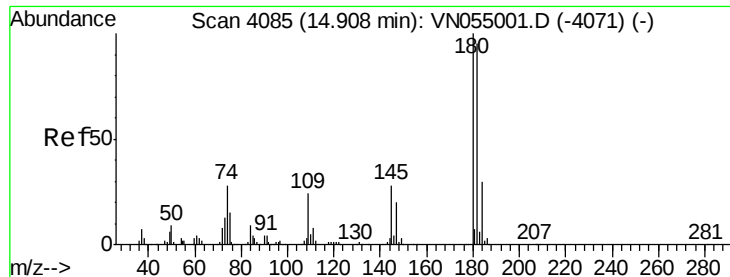
Delta R.T. -0.00 min

Lab File: VN055029.D

Acq: 13 Apr 2019 15:02

Tgt Ion:	75	Resp:	13724
Ion Ratio	Lower	Upper	
75	100		
155	84.2	42.0	126.0
157	108.5	52.1	156.4





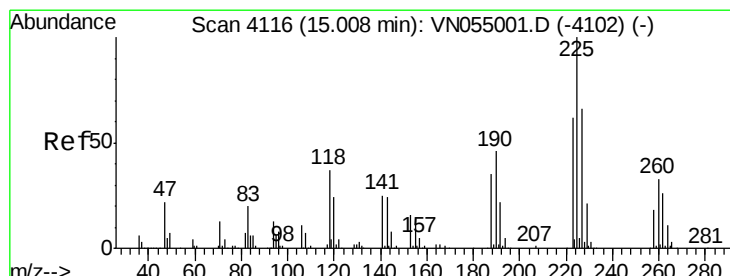
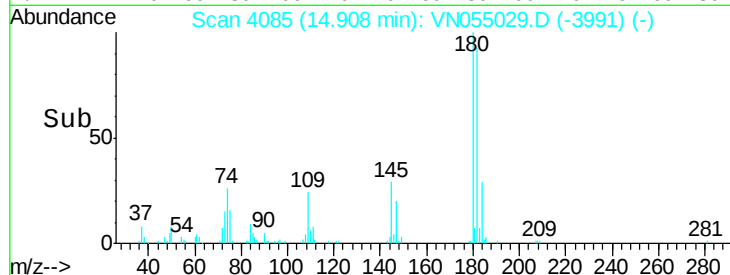
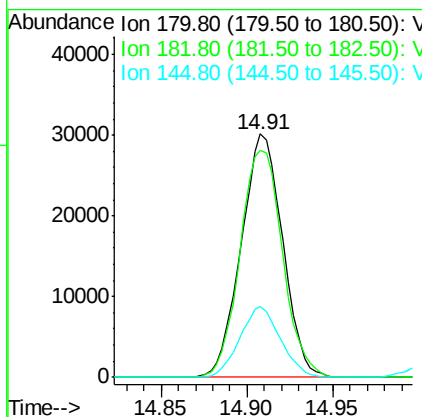
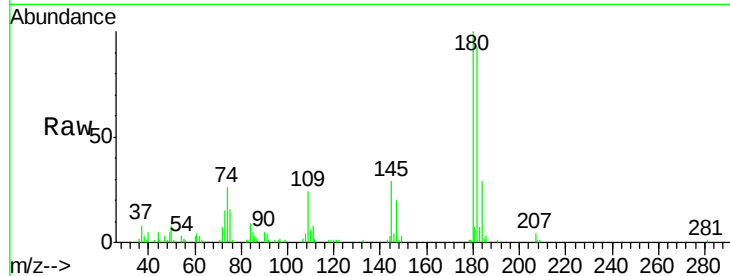
#93
 1,2,4-Trichlorobenzene
 Concen: 16.291 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0414WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.6
145	28.3	14.2	42.8

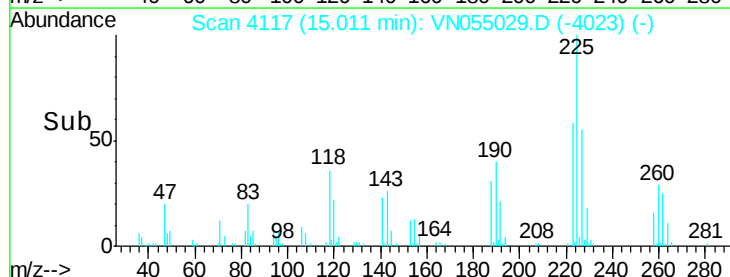
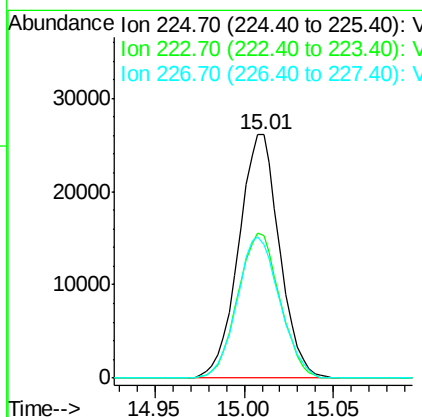
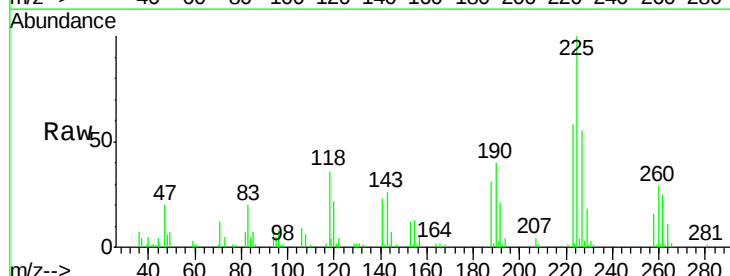
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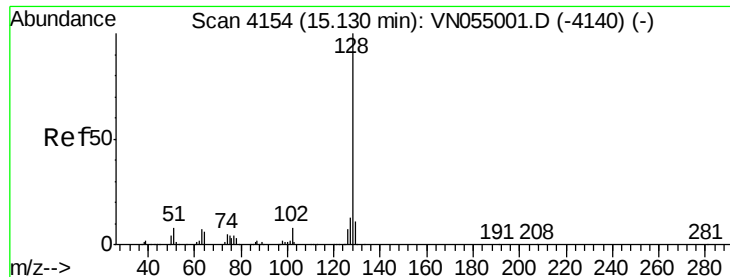
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#94
 Hexachlorobutadiene
 Concen: 17.423 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055029.D
 Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.4	94.0
227	60.5	32.6	97.7





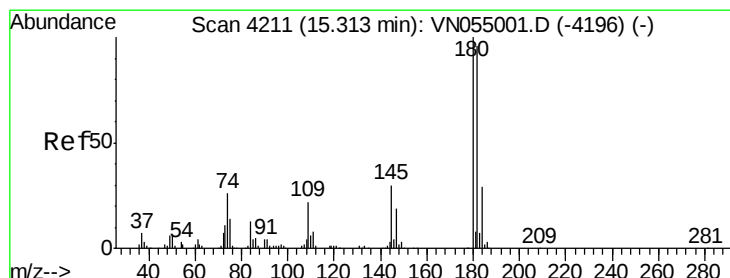
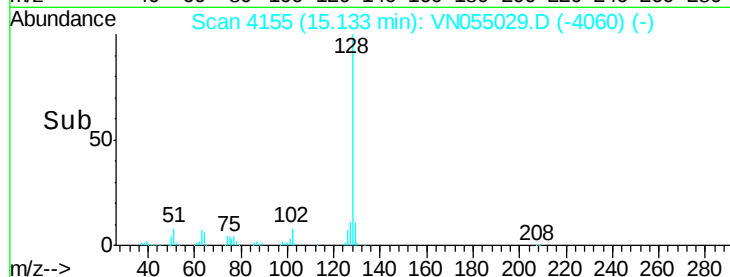
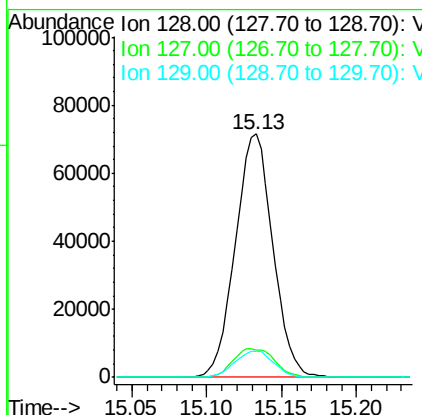
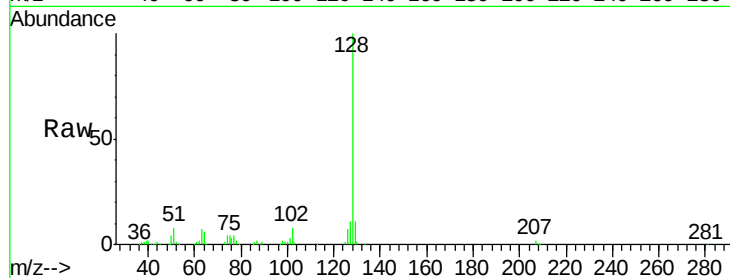
#95
Naphthalene
Concen: 17.882 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VN0414WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	124761		
127	12.9		10.1	15.1
129	11.1		8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 16.953 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN055029.D
Acq: 13 Apr 2019 15:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	56506		
182	93.8		48.0	144.0
145	30.6		15.3	45.9

