

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032119\
 Data File : VN054520.D
 Acq On : 21 Mar 2019 19:22
 Operator : JC/SP
 Sample : VN0321WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:15:37 PM

Quant Time: Mar 22 10:56:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	483313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	803396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	683200	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284277	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	329042	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
35) Dibromofluoromethane	7.59	113	263925	50.99	ug/l	0.00
Spiked Amount			Recovery	=	101.98%	
50) Toluene-d8	10.09	98	973902	50.05	ug/l	0.00
Spiked Amount			Recovery	=	100.10%	
62) 4-Bromofluorobenzene	12.40	95	319681	48.28	ug/l	0.00
Spiked Amount			Recovery	=	96.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	99655	21.569	ug/l	100
3) Chloromethane	2.06	50	137785	21.918	ug/l	100
4) Vinyl Chloride	2.19	62	138593	21.959	ug/l	99
5) Bromomethane	2.58	94	79406	19.457	ug/l	98
6) Chloroethane	2.71	64	77107	20.368	ug/l	94
7) Trichlorofluoromethane	3.02	101	162060	21.143	ug/l	99
8) Diethyl Ether	3.41	74	59778	20.279	ug/l	76
9) 1,1,2-Trichlorotrifluoroet	3.75	101	86916	19.295	ug/l	96
10) Methyl Iodide	3.94	142	127142	19.187	ug/l	92
11) Tert butyl alcohol	4.82	59	41511	114.054	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	91001	19.521	ug/l #	83
13) Acrolein	3.61	56	47252	94.078	ug/l	99
14) Allyl chloride	4.32	41	188331	21.454	ug/l #	91
15) Acrylonitrile	5.00	53	208667	115.128	ug/l	99
16) Acetone	3.82	43	153827	85.109	ug/l #	85
17) Carbon Disulfide	4.04	76	240923	19.288	ug/l	96
18) Methyl Acetate	4.33	43	93892	23.307	ug/l	90
19) Methyl tert-butyl Ether	5.05	73	303073	22.277	ug/l	96
20) Methylene Chloride	4.55	84	114252	21.444	ug/l #	84
21) trans-1,2-Dichloroethene	5.04	96	103524	21.748	ug/l	89
22) Diisopropyl ether	5.96	45	396994	22.928	ug/l #	94
23) Vinyl Acetate	5.90	43	1381591	112.976	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	210069	22.532	ug/l	97
25) 2-Butanone	6.85	43	255544	110.373	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	122014	18.359	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	122918	21.649	ug/l	90
28) Bromochloromethane	7.20	49	99738	21.734	ug/l #	74
29) Tetrahydrofuran	7.22	42	177004	117.809	ug/l #	85
30) Chloroform	7.37	83	202951	22.306	ug/l	99
31) Cyclohexane	7.65	56	202822	21.651	ug/l	88
32) 1,1,1-Trichloroethane	7.57	97	166899	22.235	ug/l	95
36) 1,1-Dichloropropene	7.79	75	152003	20.235	ug/l	96
37) Ethyl Acetate	6.94	43	114357	21.404	ug/l	97
38) Carbon Tetrachloride	7.77	117	142173	19.476	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	166854	19.418	ug/l	90
40) Benzene	8.04	78	450271	20.962	ug/l	99
41) Methacrylonitrile	7.18	41	66488	20.406	ug/l	89
42) 1,2-Dichloroethane	8.13	62	162962	20.832	ug/l	99
43) Isopropyl Acetate	8.17	43	191675	21.243	ug/l #	94
44) Trichloroethene	8.84	130	119521	20.014	ug/l	93
45) 1,2-Dichloropropane	9.12	63	125637	21.782	ug/l	99
46) Dibromomethane	9.21	93	73899	21.476	ug/l	89
47) Bromodichloromethane	9.40	83	146739	20.548	ug/l	97
48) Methyl methacrylate	9.20	41	100701	20.562	ug/l	86
49) 1,4-Dioxane	9.21	88	23024	420.533	ug/l #	85
51) 4-Methyl-2-Pentanone	9.99	43	544454	108.878	ug/l	94
52) Toluene	10.16	92	266955	20.206	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	129292	18.629	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	165863	20.256	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	100734	21.211	ug/l	98
56) Ethyl methacrylate	10.43	69	129689	20.346	ug/l #	85
57) 1,3-Dichloropropane	10.71	76	174524	21.141	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	252883	96.346	ug/l	91
59) 2-Hexanone	10.75	43	335224	102.630	ug/l	93
60) Dibromochloromethane	10.90	129	102027	20.190	ug/l	99
61) 1,2-Dibromoethane	11.01	107	96407	20.534	ug/l	98
64) Tetrachloroethene	10.63	164	116818	20.614	ug/l	95
65) Chlorobenzene	11.43	112	279375	20.105	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	105202	21.093	ug/l	99
67) Ethyl Benzene	11.51	91	497597	20.272	ug/l	98
68) m/p-Xylenes	11.62	106	370018	39.799	ug/l	95
69) o-Xylene	11.95	106	183000	20.155	ug/l	98
70) Styrene	11.96	104	296736	20.125	ug/l	97
71) Bromoform	12.13	173	60759	19.106	ug/l #	98
73) Isopropylbenzene	12.25	105	482672	21.070	ug/l	99
74) N-amyl acetate	12.07	43	148334	22.520	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	118512	22.663	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	113693m	25.203	ug/l	
77) Bromobenzene	12.53	156	121059	21.308	ug/l	88
78) n-propylbenzene	12.59	91	516941	20.811	ug/l	96
79) 2-Chlorotoluene	12.67	91	321923	20.782	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	388659	20.701	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	22592	19.342	ug/l #	79
82) 4-Chlorotoluene	12.77	91	310507	20.680	ug/l	96
83) tert-Butylbenzene	12.99	119	338429	20.709	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	382002	20.736	ug/l	98
85) sec-Butylbenzene	13.17	105	423276	20.777	ug/l	97
86) p-Isopropyltoluene	13.29	119	370605	20.334	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	192236	20.418	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	183479	20.029	ug/l	98
89) n-Butylbenzene	13.62	91	274857	19.286	ug/l	98
90) Hexachloroethane	13.88	117	57753	20.414	ug/l	90
91) 1,2-Dichlorobenzene	13.65	146	191147	20.961	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16394	21.374	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	85878	18.891	ug/l	98
94) Hexachlorobutadiene	15.01	225	55229	20.143	ug/l	97
95) Naphthalene	15.13	128	198641	19.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	86281	19.070	ug/l	98

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

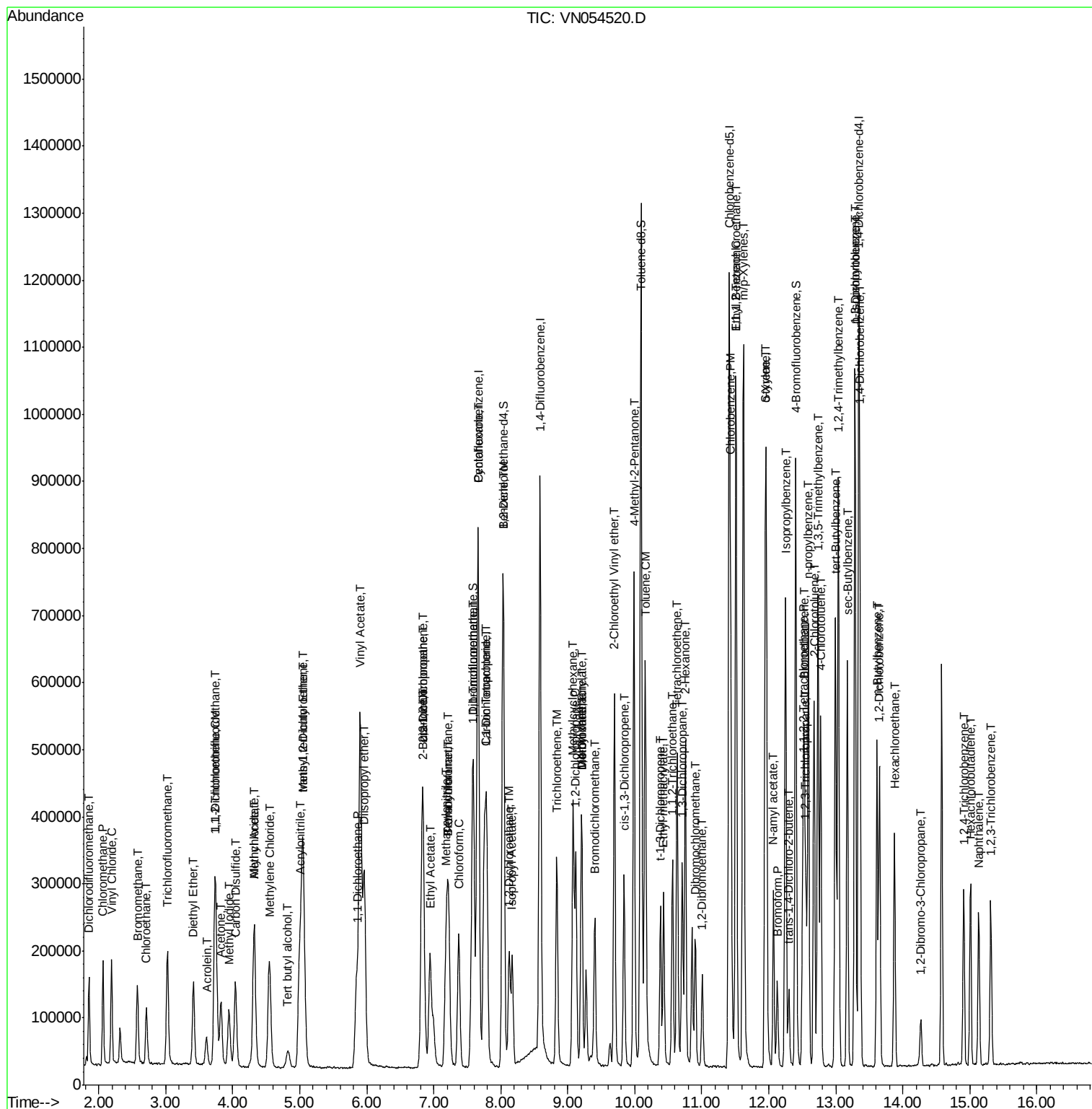
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Data File : VN054520.D
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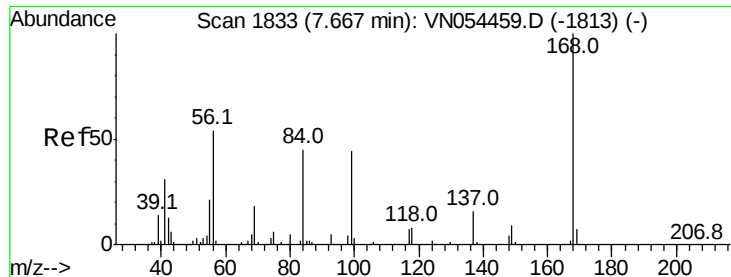
Instrument :
MSVOA_N
Client Sampled :
VN0321WBSD01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion:168 Resp: 483313

Ion Ratio Lower Upper

168 100

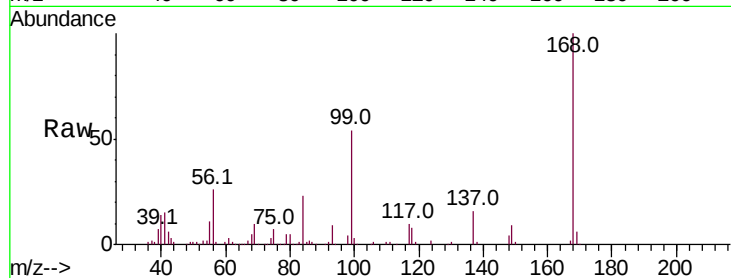
99 53.0 37.1 55.7

Manual Integrations

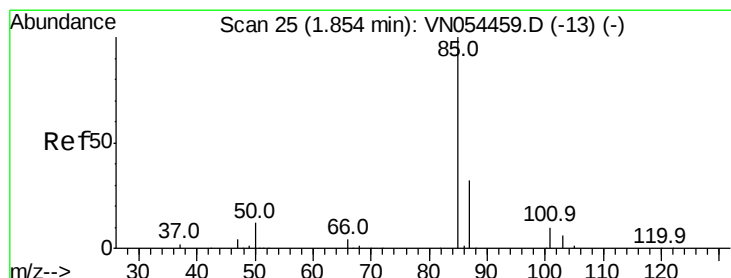
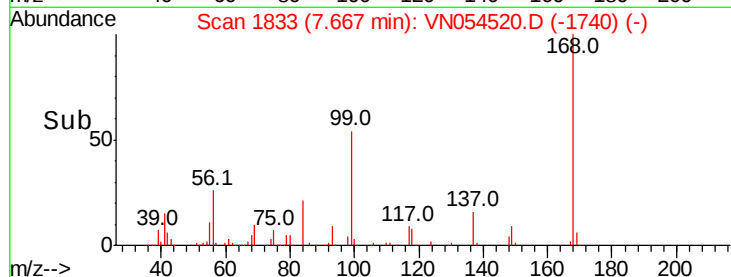
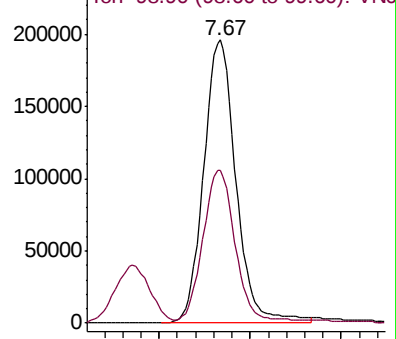
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Abundance Ion 167.90 (167.60 to 168.60): VN054459.D (-1813) (-)



#2

Dichlorodifluoromethane

Concen: 21.569 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN054520.D

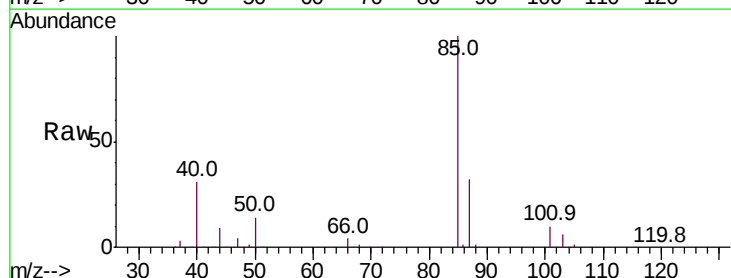
Acq: 21 Mar 2019 19:22

Tgt Ion: 85 Resp: 99655

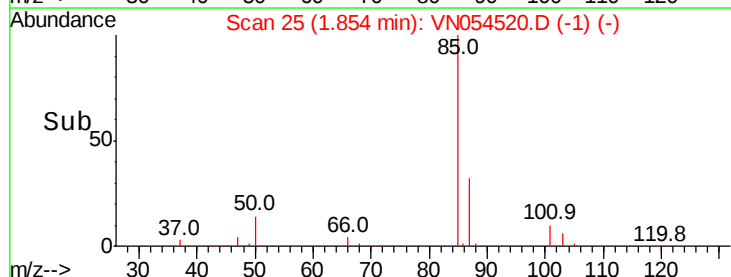
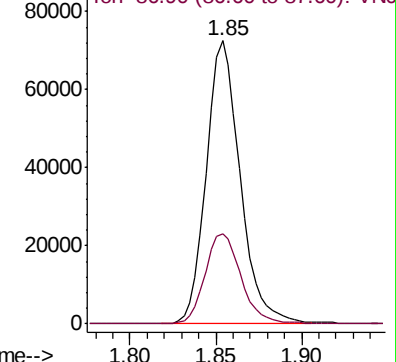
Ion Ratio Lower Upper

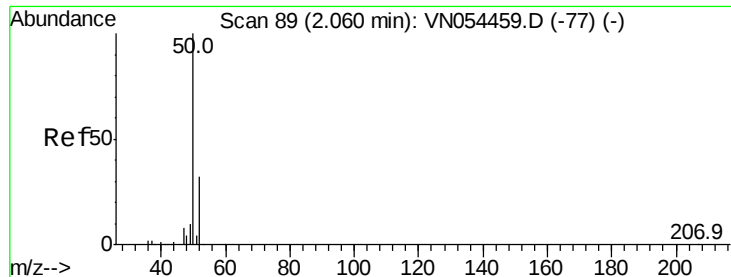
85 100

87 32.0 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN054459.D (-13) (-)





#3

Chloromethane

Concen: 21.918 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion: 50 Resp: 137785

Ion Ratio Lower Upper

50 100

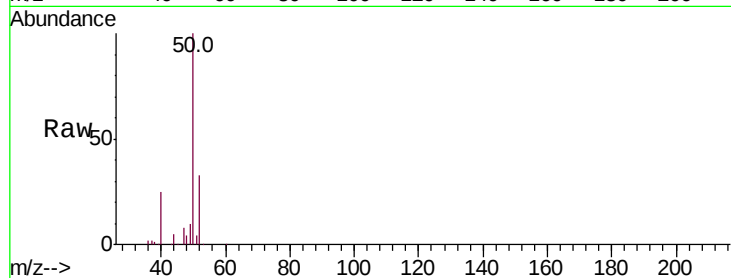
52 33.2 26.4 39.6

Manual Integrations

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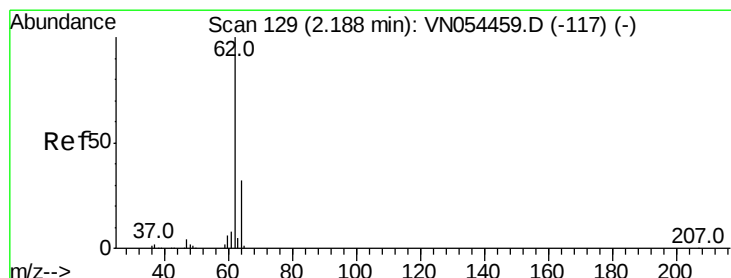
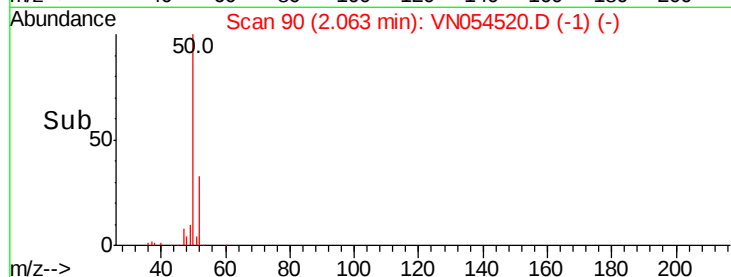
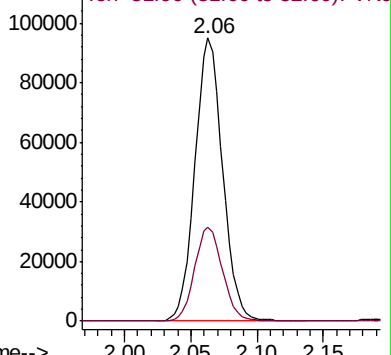
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 21.959 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN054520.D

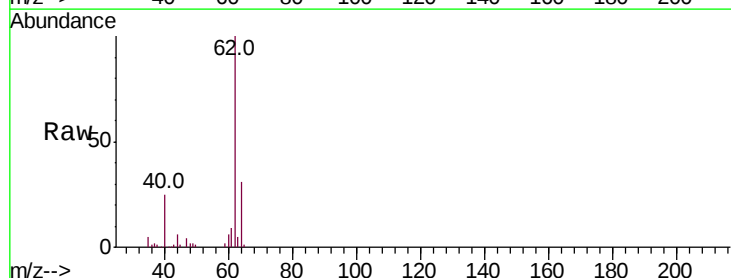
Acq: 21 Mar 2019 19:22

Tgt Ion: 62 Resp: 138593

Ion Ratio Lower Upper

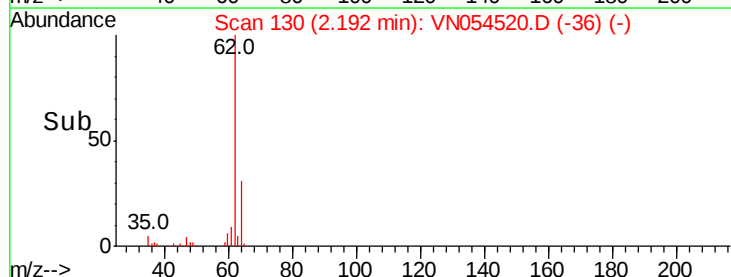
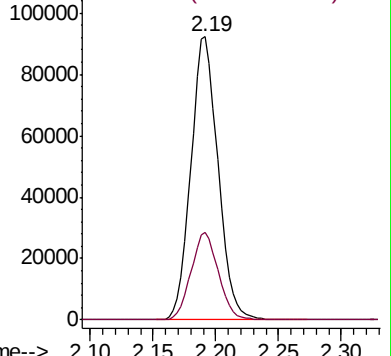
62 100

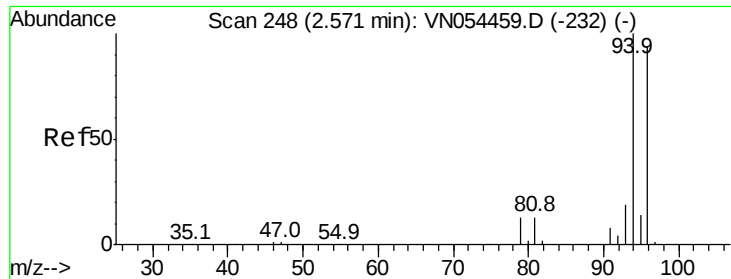
64 31.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.457 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.01 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

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Tot Ion: 94 Resp: 79406

Ion Ratio Lower Upper

94 100

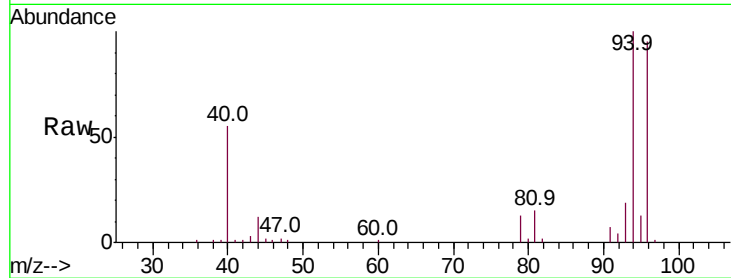
96 94.6 77.0 115.4

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

40000

30000

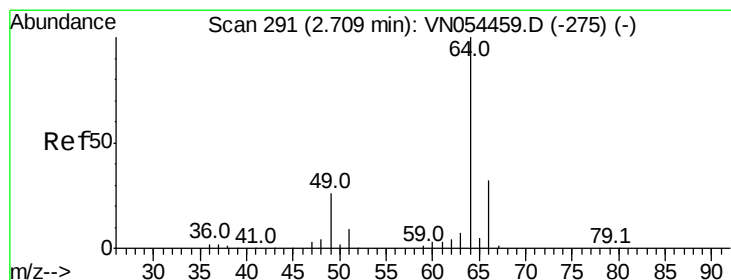
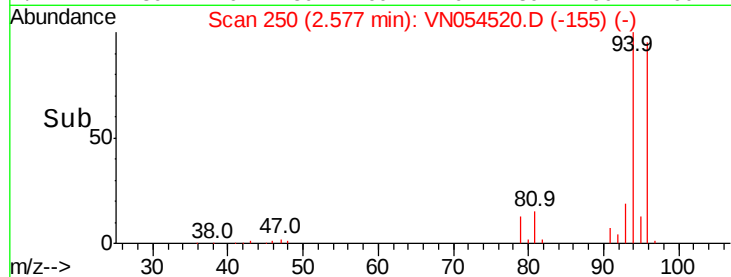
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10000

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Time-->

2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.368 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054520.D

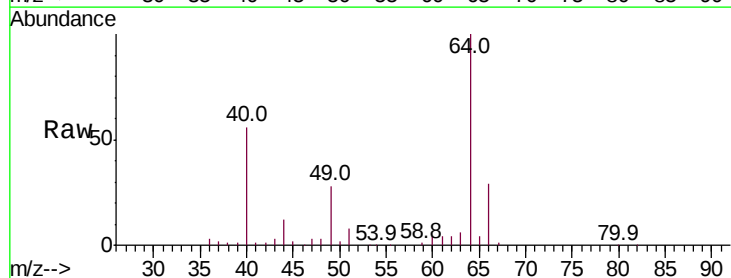
Acq: 21 Mar 2019 19:22

Tgt Ion: 64 Resp: 77107

Ion Ratio Lower Upper

64 100

66 29.0 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.71

40000

30000

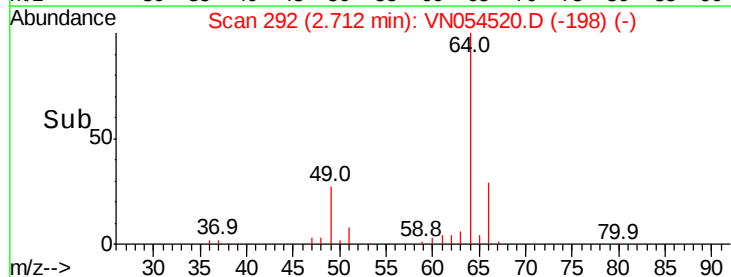
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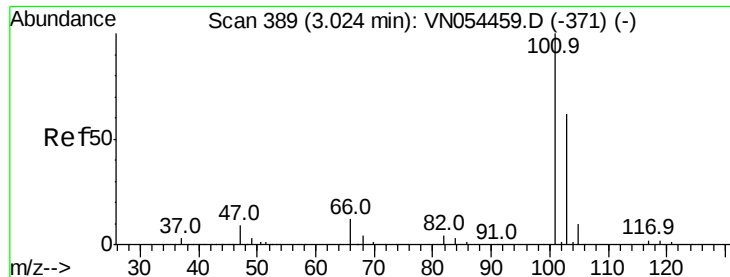
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Time-->

2.60 2.65 2.70 2.75 2.80





#7

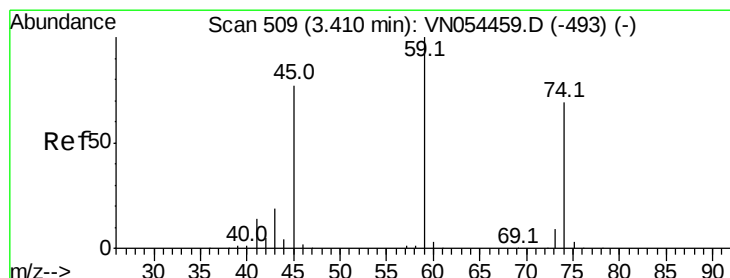
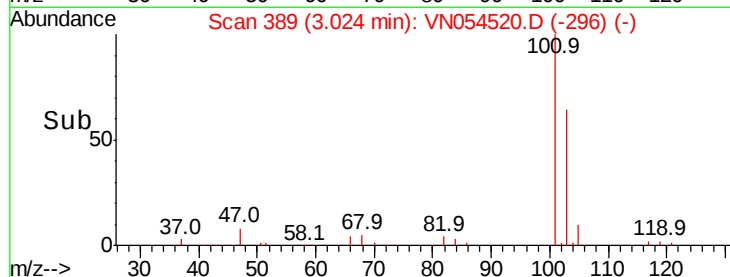
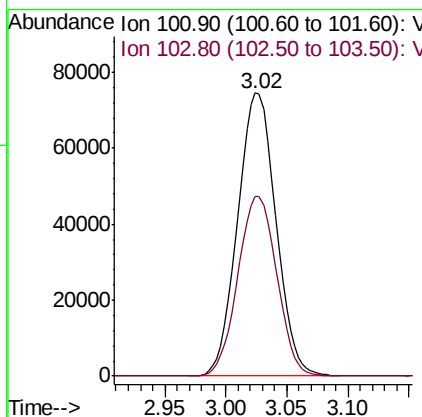
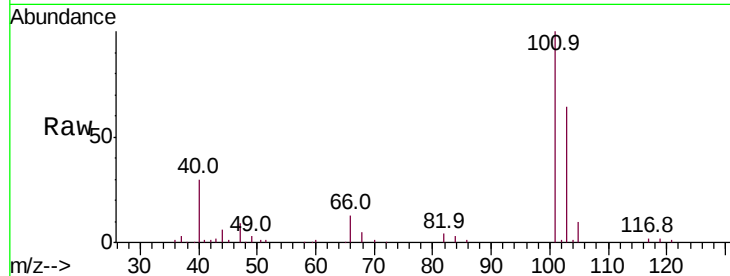
Trichlorofluoromethane
 Concen: 21.143 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN054520.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.4	77.2

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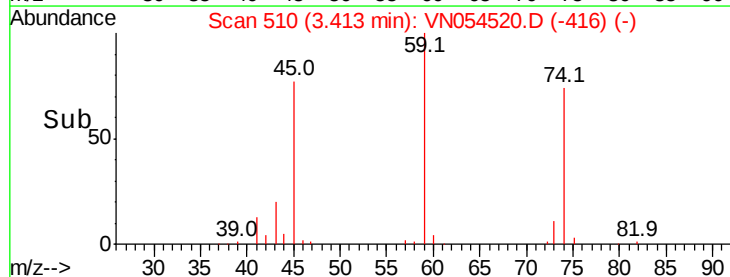
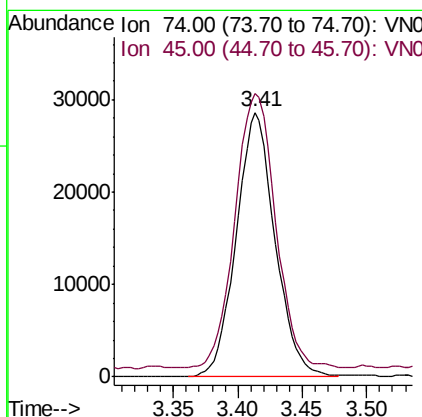
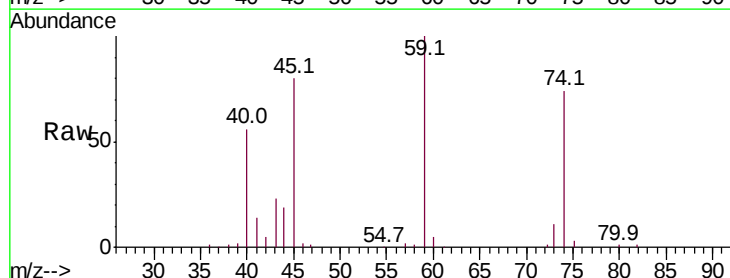
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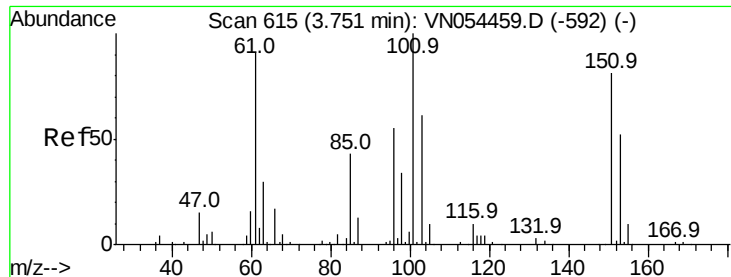


#8

Diethyl Ether
 Concen: 20.279 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.5	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.295 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

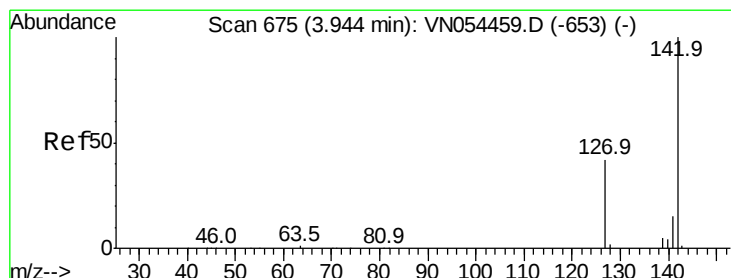
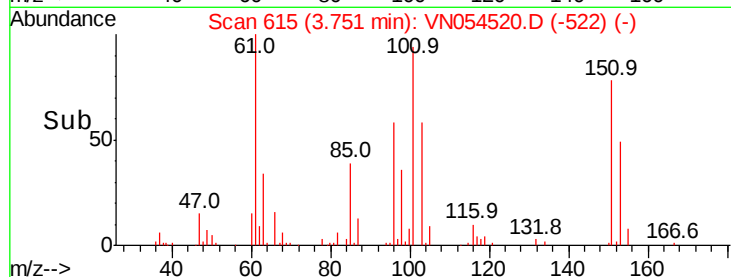
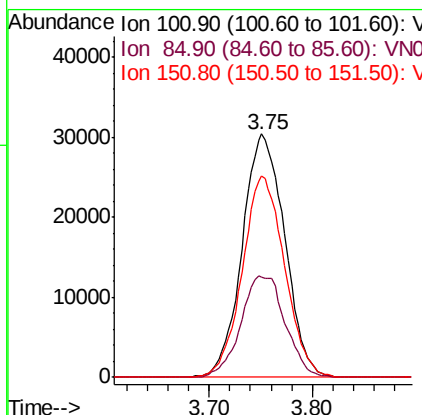
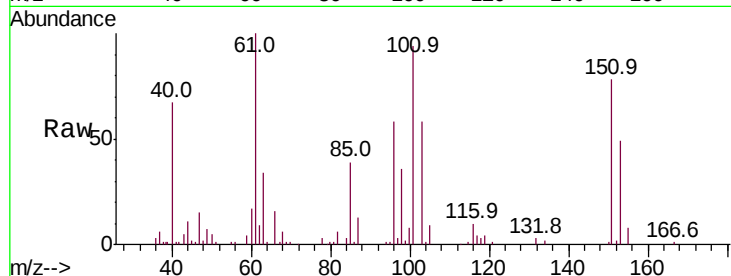
ClientSampleId :

VN0321WBSD01

Tot Ion:	101	Resp:	86916
Ion Ratio	Lower	Upper	
101	100		
85	43.4	32.4	48.6
151	82.4	68.2	102.2

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#10

Methyl Iodide

Concen: 19.187 ug/l

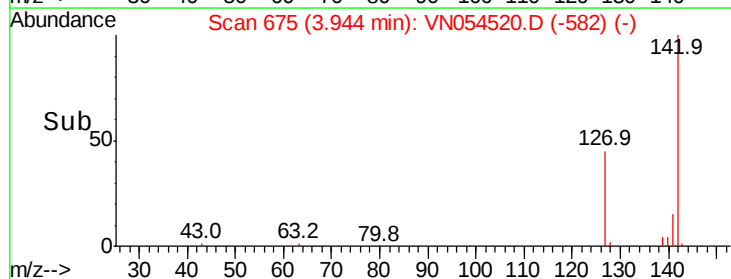
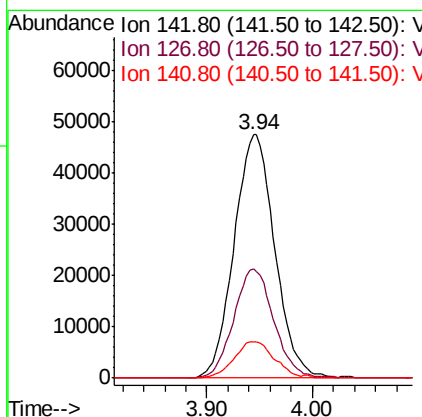
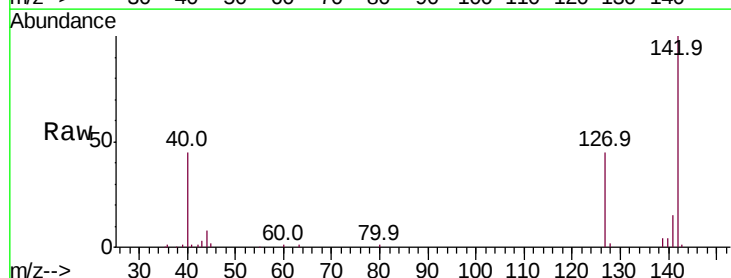
RT: 3.94 min Scan# 675

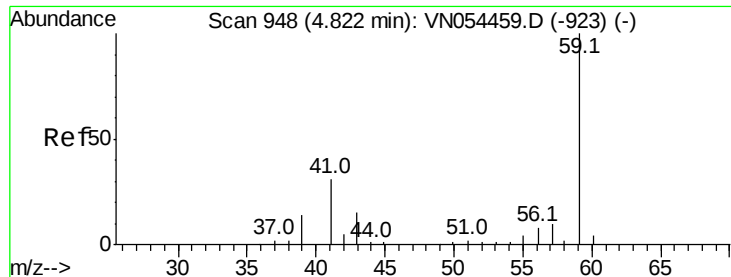
Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Tgt Ion:	142	Resp:	127142
Ion Ratio	Lower	Upper	
142	100		
127	44.3	30.3	45.5
141	15.1	11.2	16.8





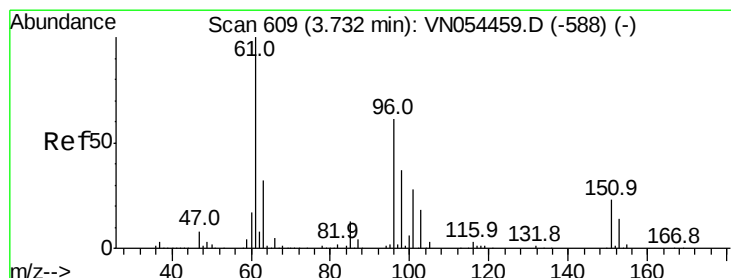
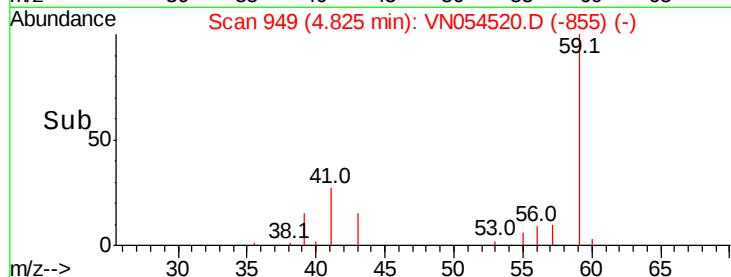
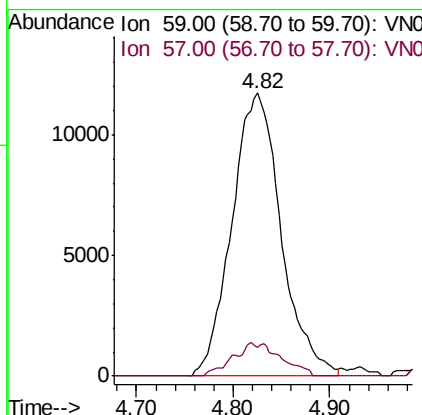
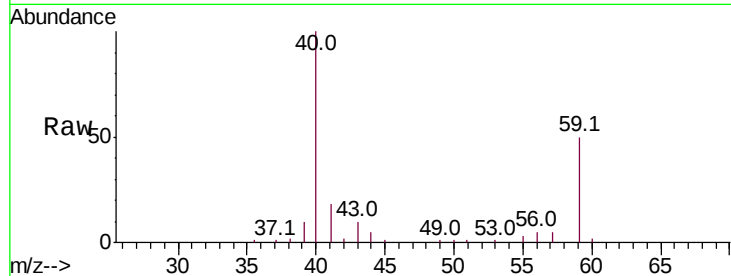
#11
Tert butyl alcohol
Concen: 114.054 ug/l
RT: 4.82 min Scan# 949
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampled :
VN0321WBSD01

Tot Ion: 59 Resp: 41511
Ion Ratio Lower Upper
59 100
57 5.9 9.0 13.6#

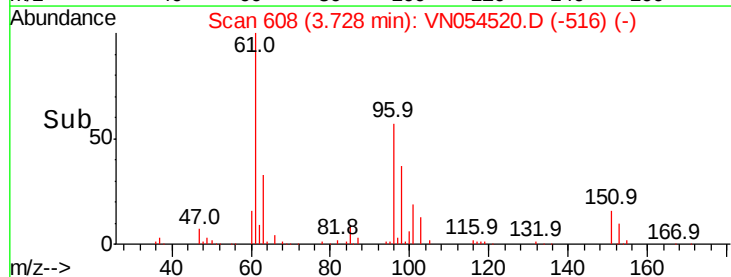
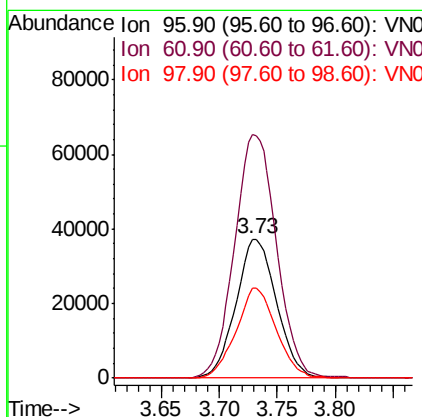
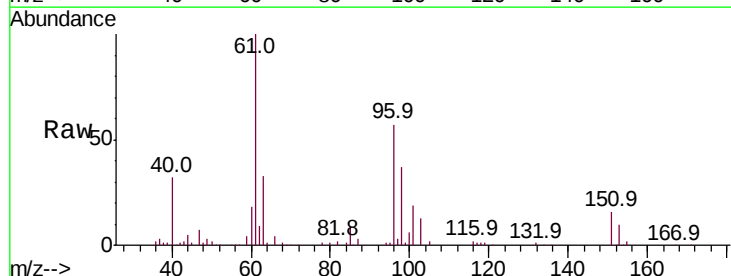
Manual Integrations
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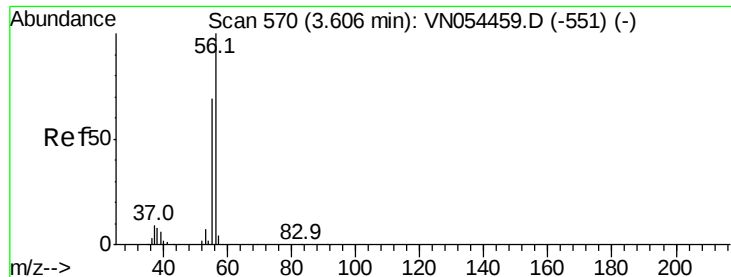
MMDadoda
3/22/2019 4:15:37 PM



#12
1,1-Dichloroethene
Concen: 19.521 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion: 96 Resp: 91001
Ion Ratio Lower Upper
96 100
61 174.9 116.5 174.7#
98 64.7 51.0 76.4





#13

Acrolein

Concen: 94.078 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion: 56 Resp: 47252

Ion Ratio Lower Upper

56 100

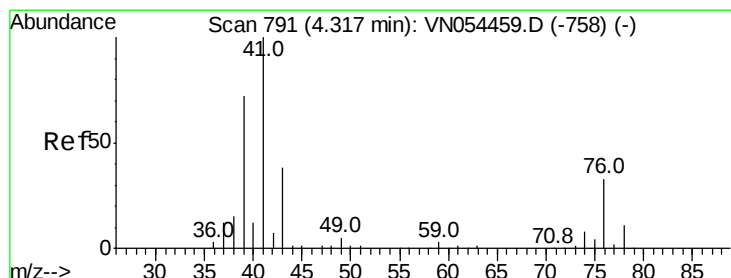
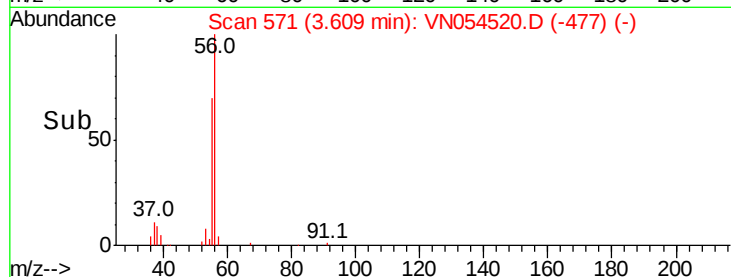
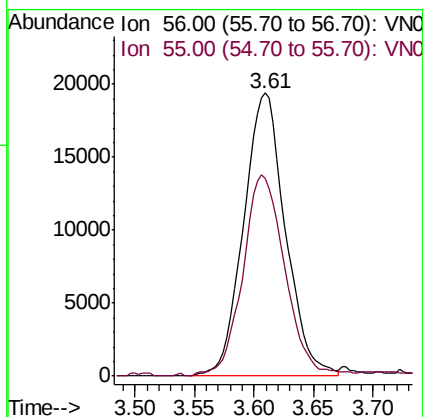
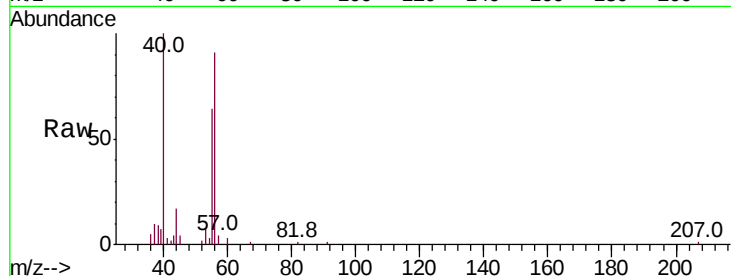
55 71.8 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 21.454 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

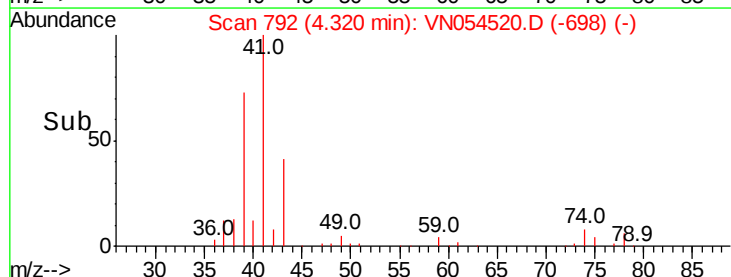
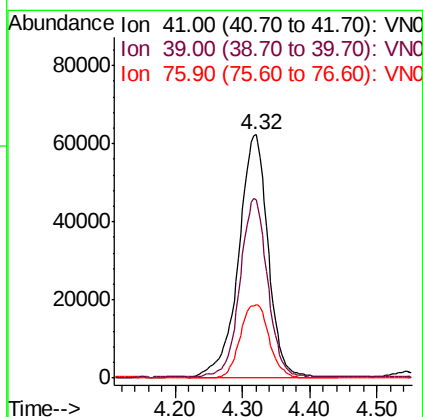
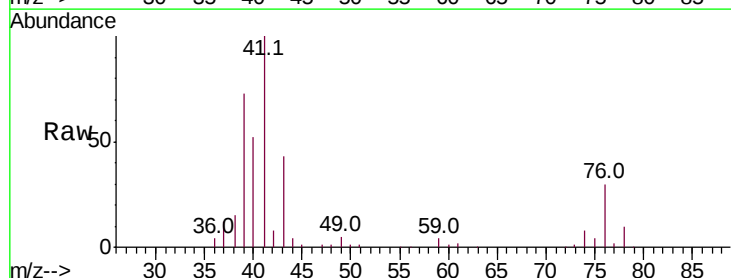
Tgt Ion: 41 Resp: 188331

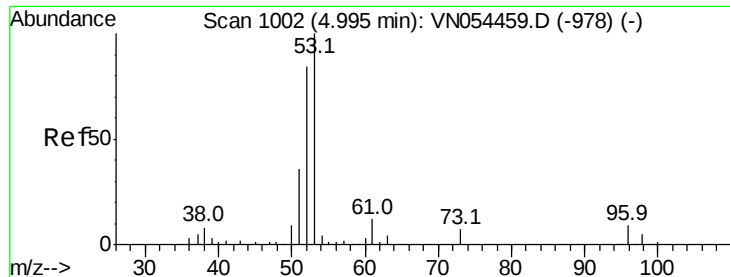
Ion Ratio Lower Upper

41 100

39 68.8 58.2 87.4

76 29.8 31.7 47.5#





#15

Acrylonitrile

Concen: 115.128 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

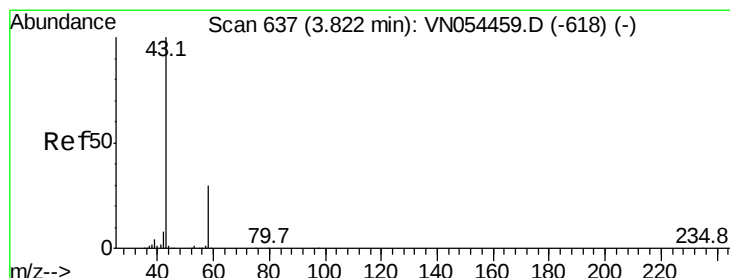
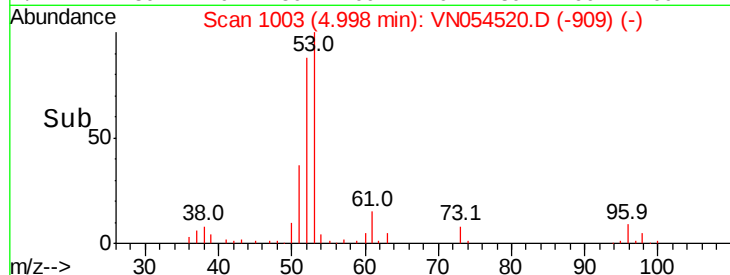
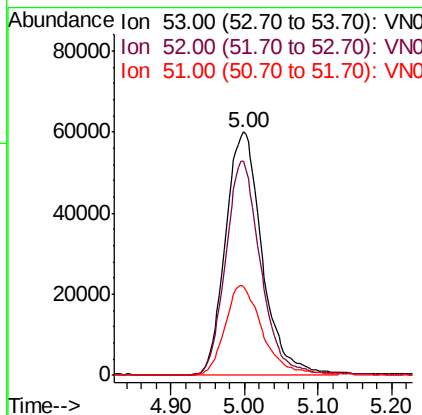
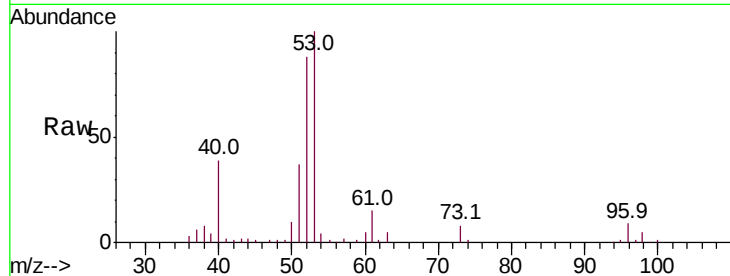
ClientSampleId :

VN0321WBSD01

Tot Ion:	53	Resp:	208667
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.4	99.6
51	37.6	29.6	44.4

Manual Integrations
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#16

Acetone

Concen: 85.109 ug/l

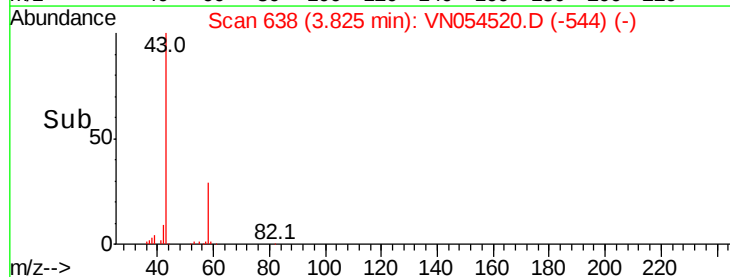
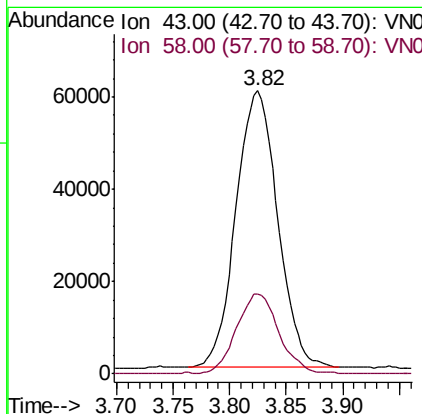
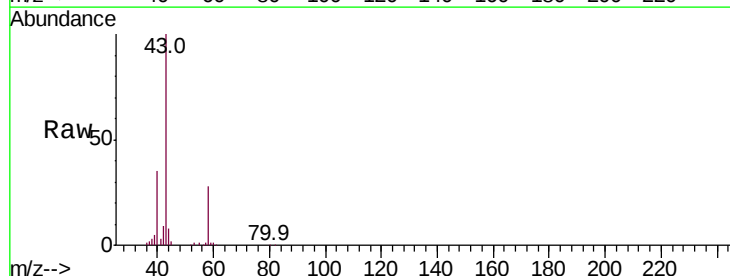
RT: 3.82 min Scan# 638

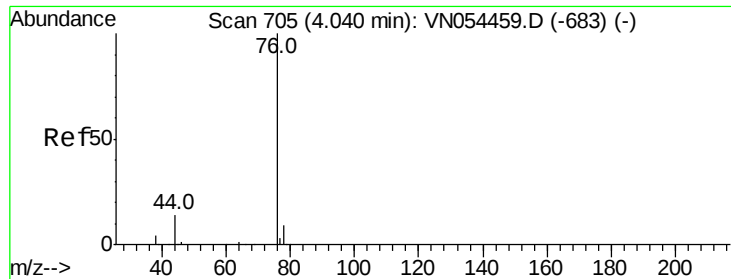
Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Tgt Ion:	43	Resp:	153827
Ion Ratio	Lower	Upper	
43	100		
58	28.4	29.9	44.9#





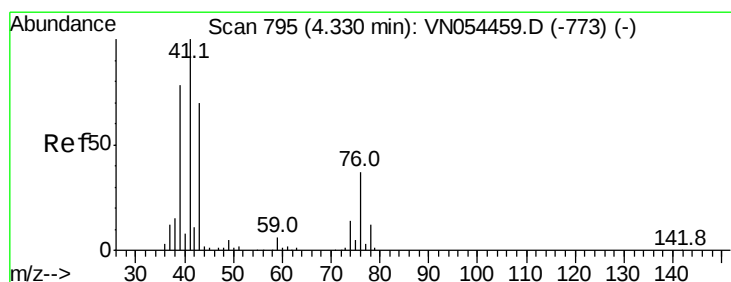
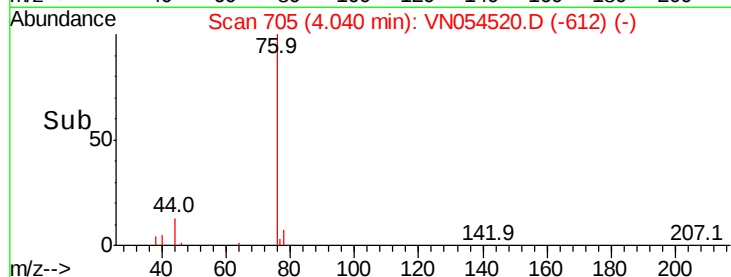
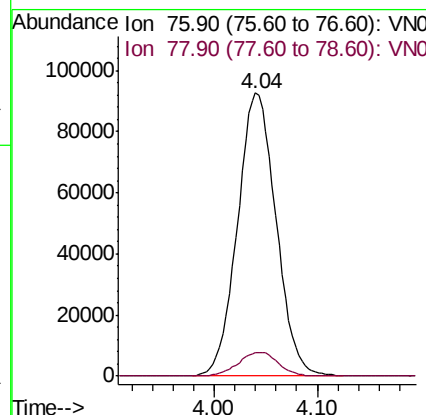
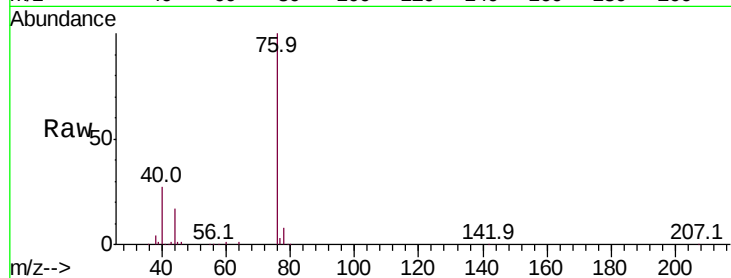
#17
Carbon Disulfide
Concen: 19.288 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampled :
VN0321WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.5	11.3

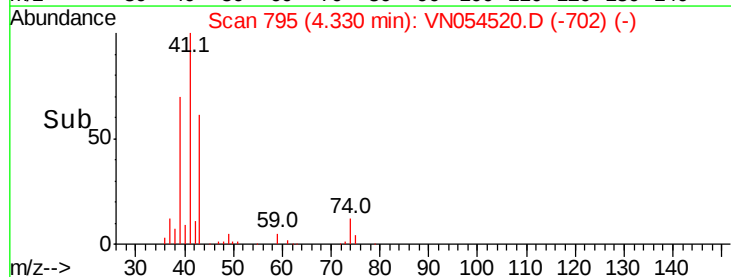
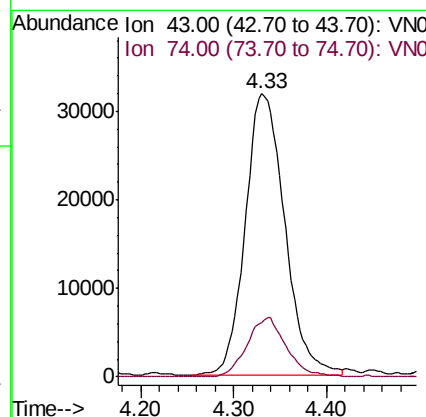
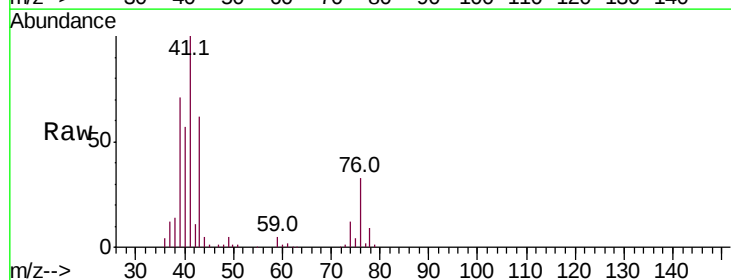
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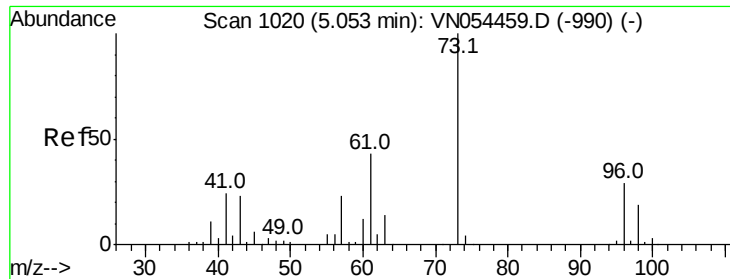
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#18
Methyl Acetate
Concen: 23.307 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	20.8	31.2





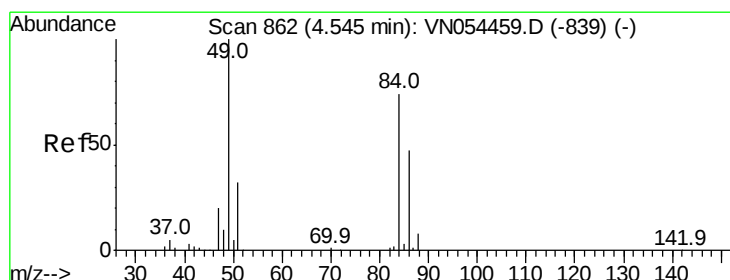
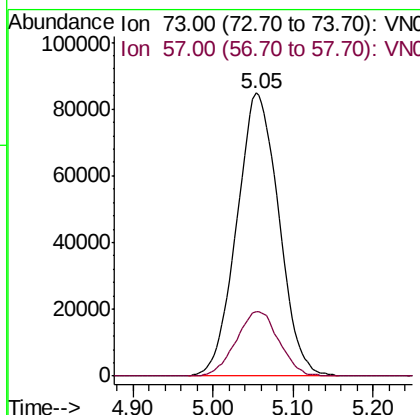
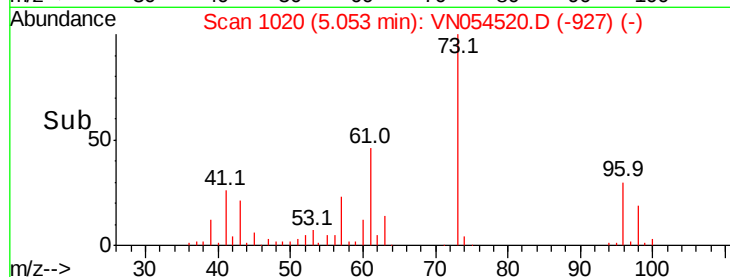
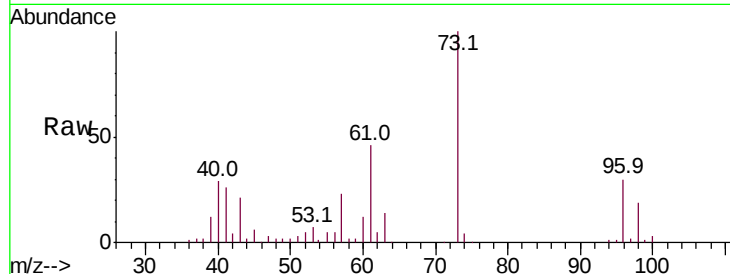
#19
Methyl tert-butyl Ether
Concen: 22.277 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion: 73 Resp: 303073
Ion Ratio Lower Upper
73 100
57 23.0 16.8 25.2

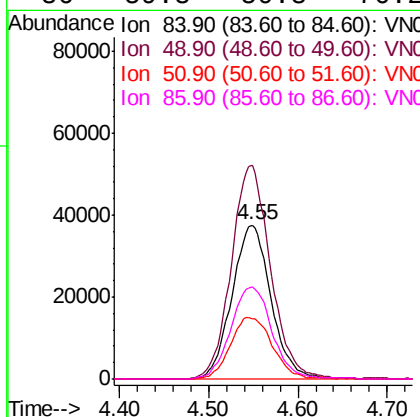
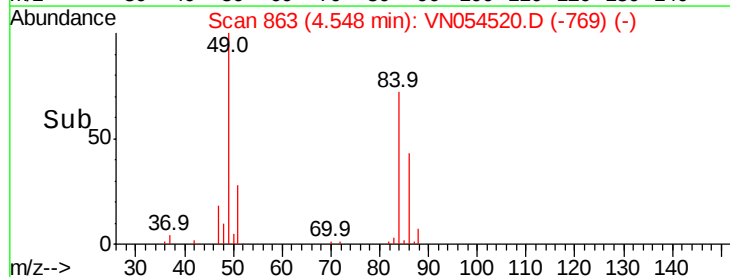
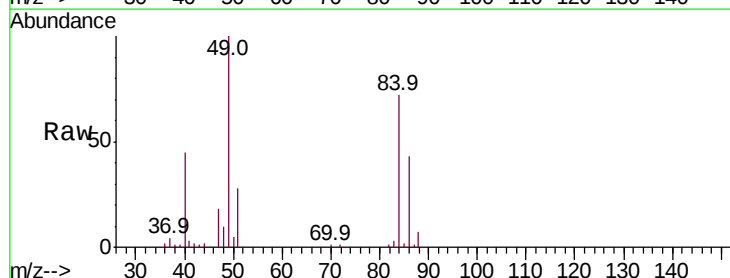
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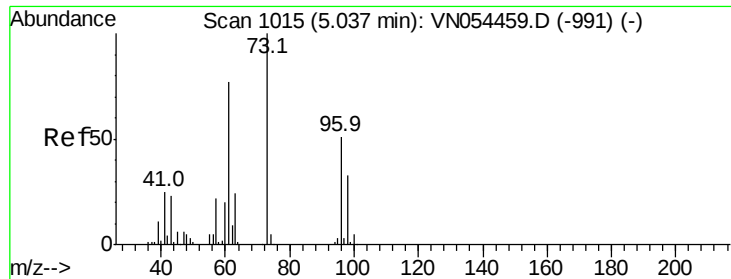
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#20
Methylene Chloride
Concen: 21.444 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion: 84 Resp: 114252
Ion Ratio Lower Upper
84 100
49 138.7 89.7 134.5#
51 39.5 28.2 42.4
86 59.8 50.8 76.2





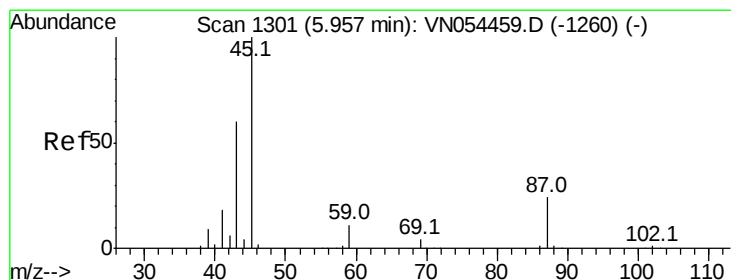
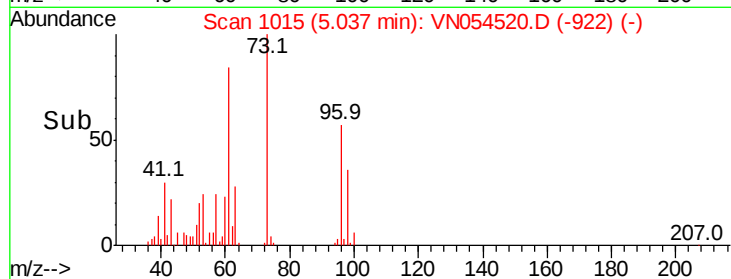
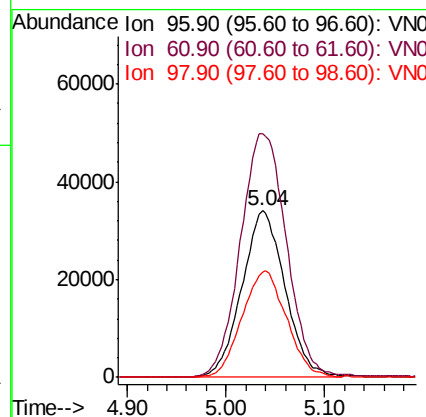
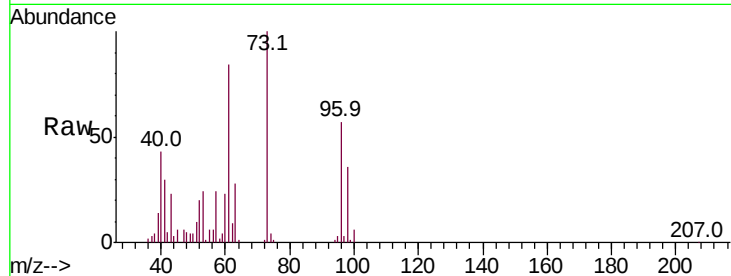
#21
trans-1,2-Dichloroethene
Concen: 21.748 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	102.8	154.2
98	63.5	50.0	75.0

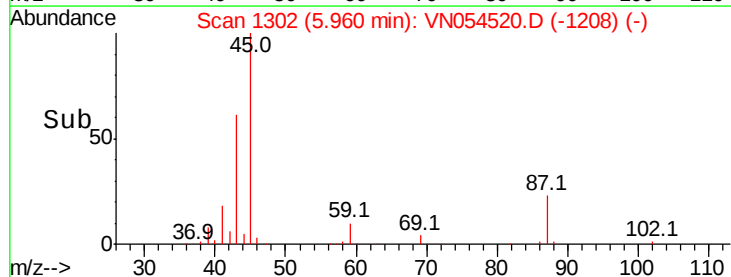
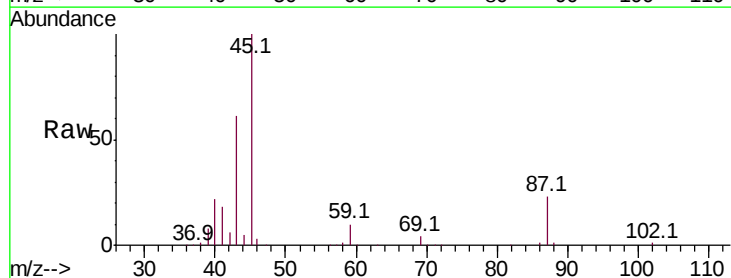
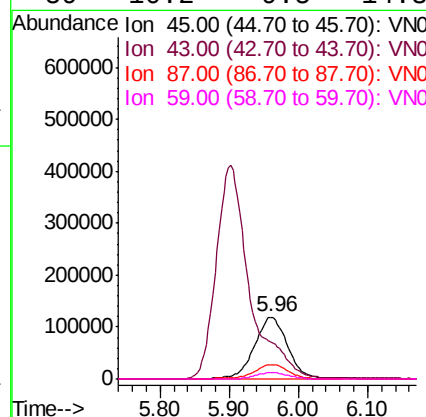
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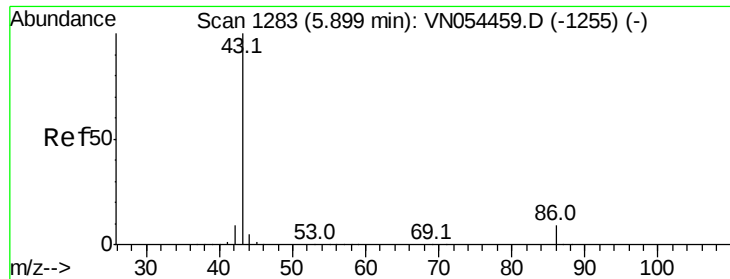
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#22
Diisopropyl ether
Concen: 22.928 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	48.2	72.2
87	23.2	24.9	37.3#
59	10.2	9.5	14.3





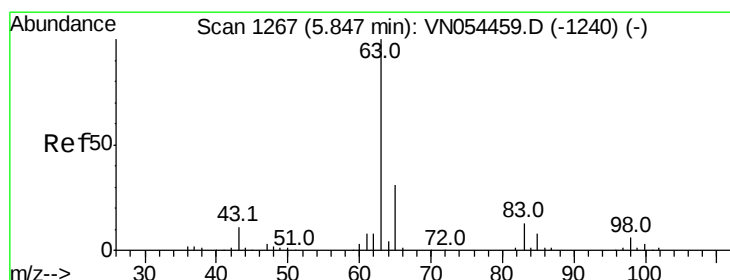
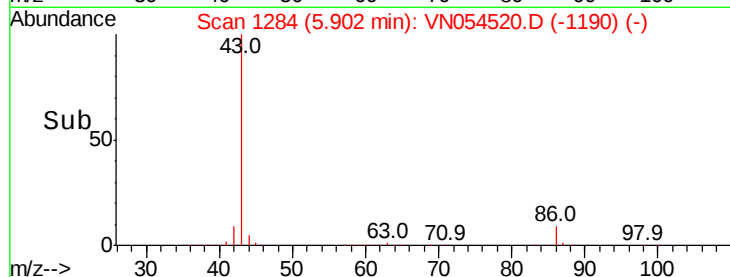
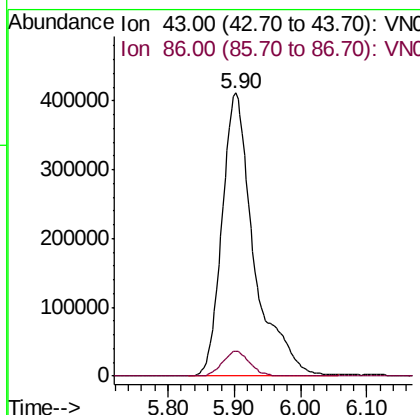
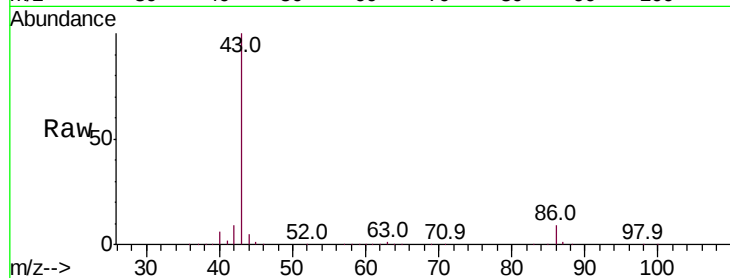
#23
 Vinyl Acetate
 Concen: 112.976 ug/l
 RT: 5.90 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

Tot Ion: 43 Resp: 1381591
 Ion Ratio Lower Upper
 43 100
 86 8.9 9.1 13.7#

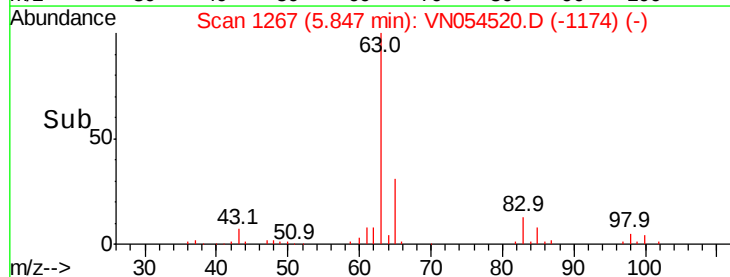
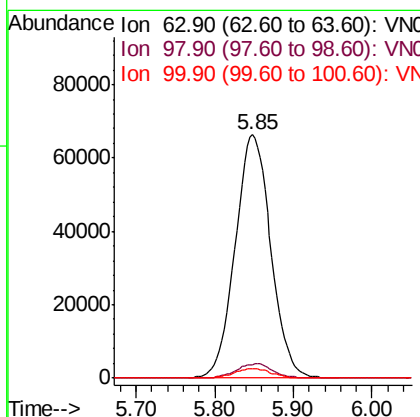
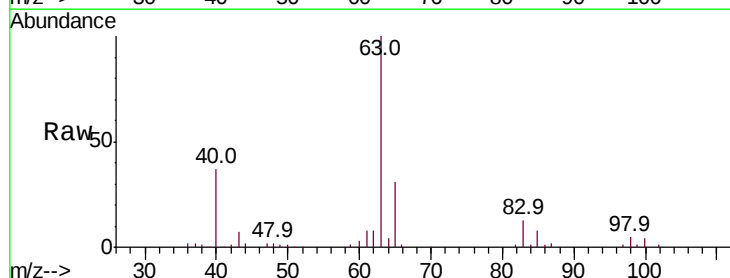
Manual Integrations
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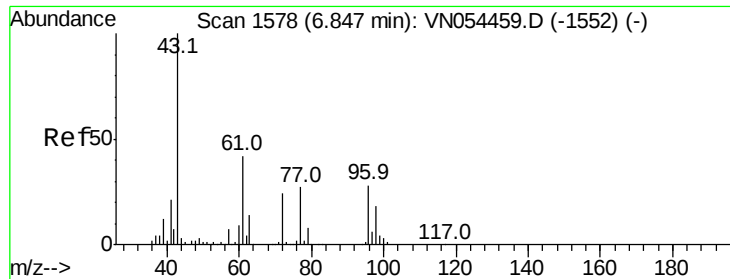
MMDadoda
 3/22/2019 4:15:37 PM



#24
 1,1-Dichloroethane
 Concen: 22.532 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion: 63 Resp: 210069
 Ion Ratio Lower Upper
 63 100
 98 5.5 3.5 10.5
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 110.373 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion: 43 Resp: 255544

Ion Ratio Lower Upper

43 100

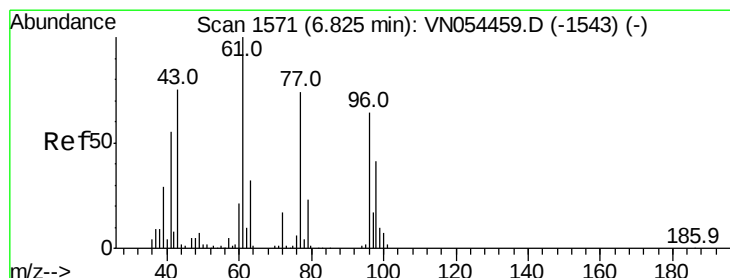
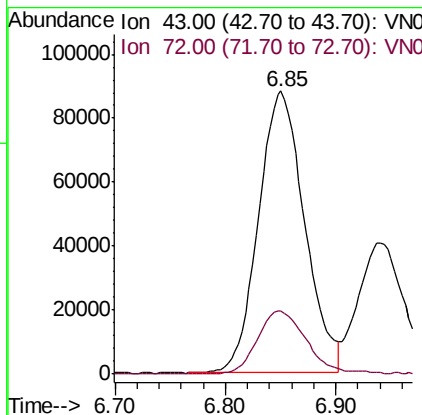
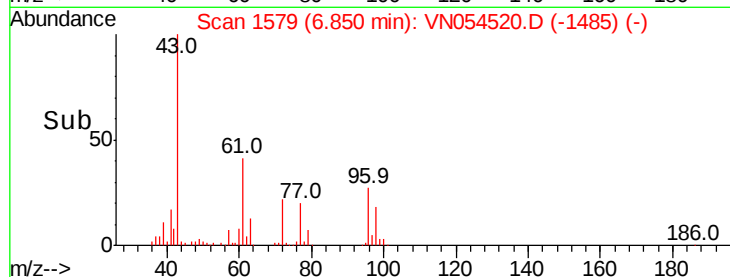
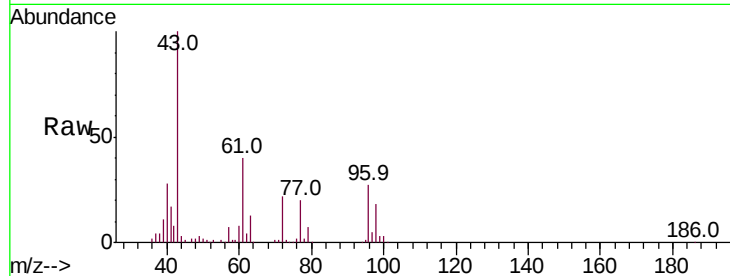
72 22.3 23.0 34.6#

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#26

2,2-Dichloropropane

Concen: 18.359 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN054520.D

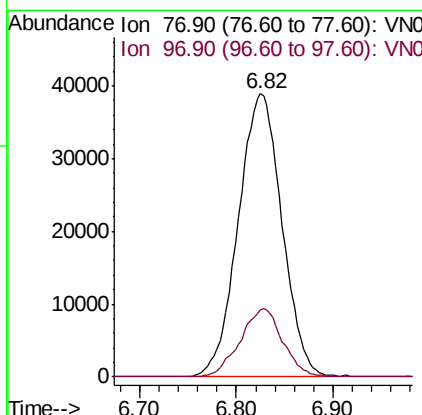
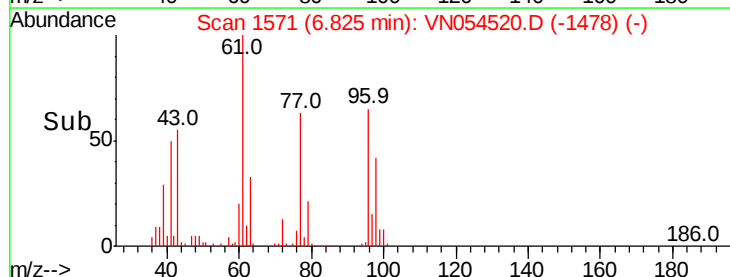
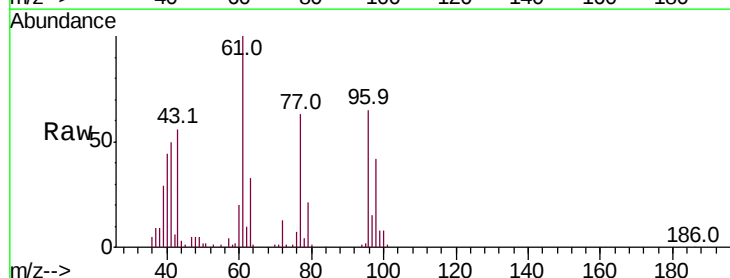
Acq: 21 Mar 2019 19:22

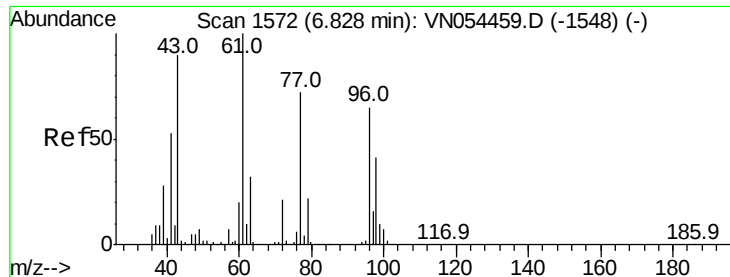
Tgt Ion: 77 Resp: 122014

Ion Ratio Lower Upper

77 100

97 23.4 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.649 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

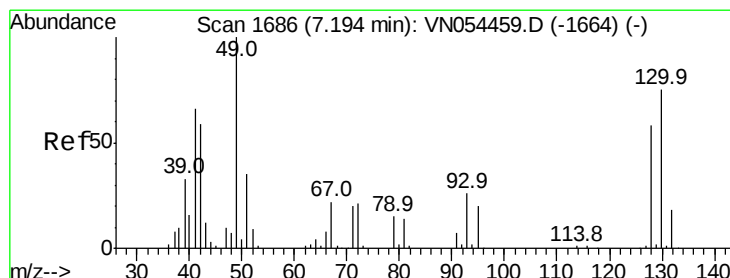
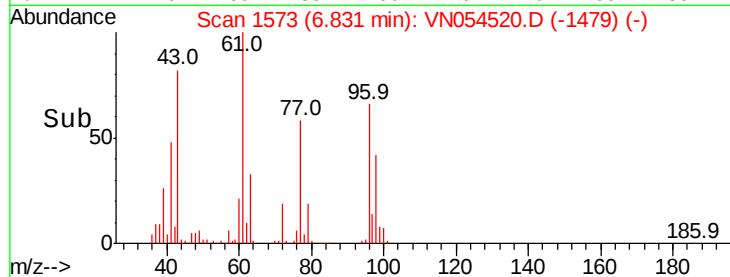
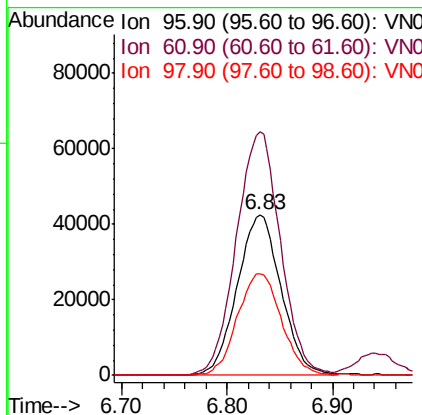
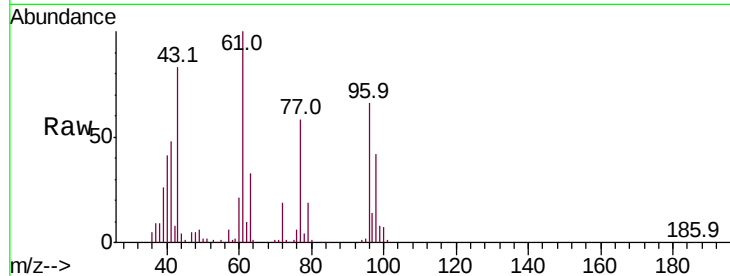
ClientSampleId :

VN0321WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	152.7	0.0	273.0
98	63.8	0.0	130.6

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#28

Bromochloromethane

Concen: 21.734 ug/l

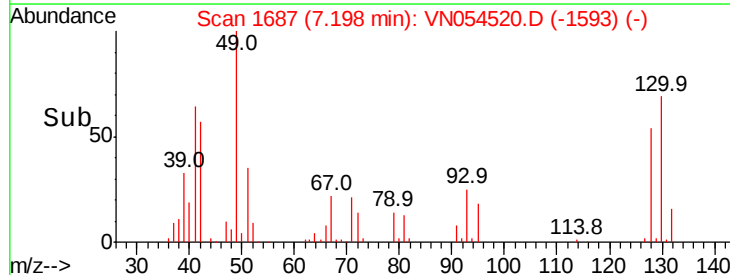
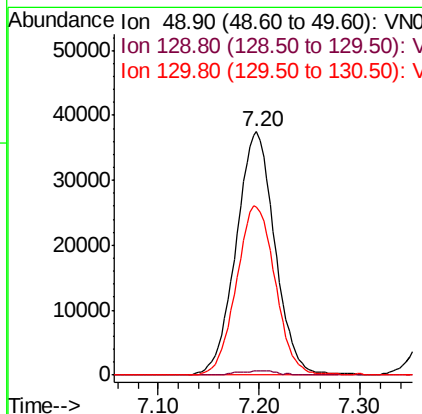
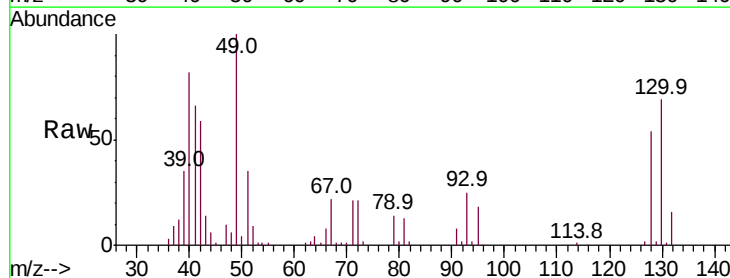
RT: 7.20 min Scan# 1687

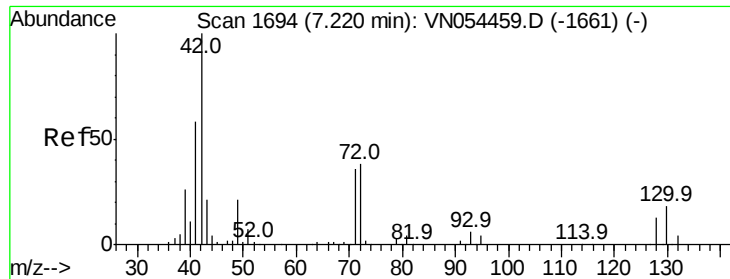
Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	69.6	76.7	115.1#





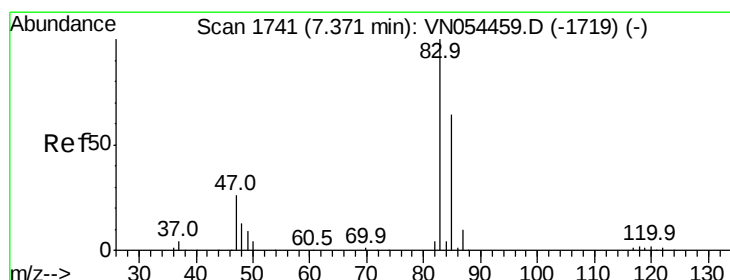
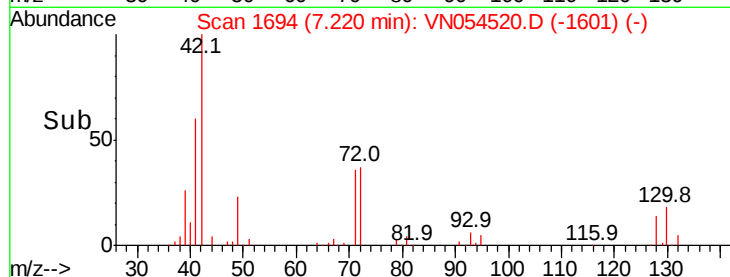
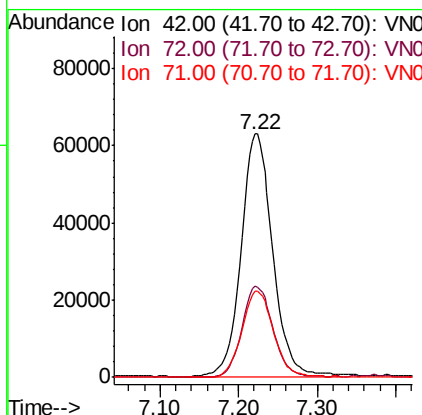
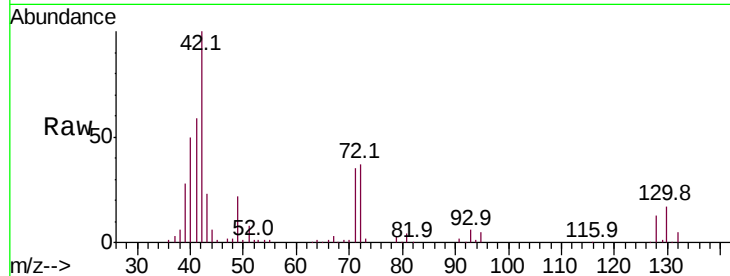
#29
Tetrahydrofuran
Concen: 117.809 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.2	37.8	56.6#
71	35.8	36.2	54.2#

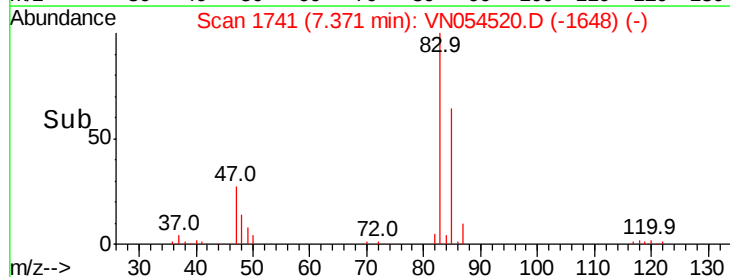
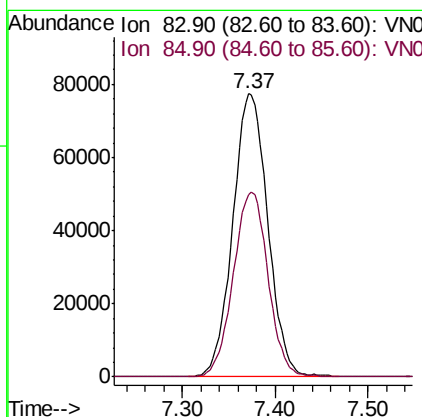
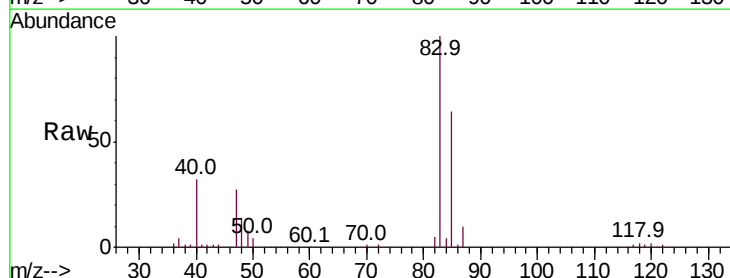
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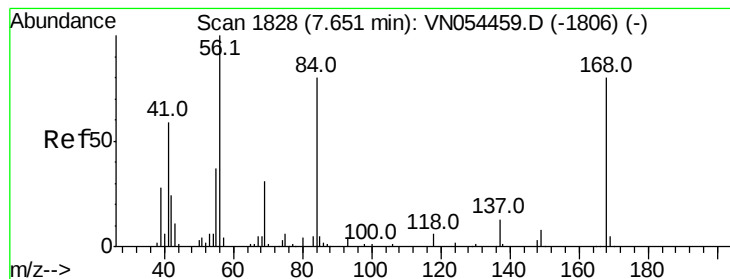
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#30
Chloroform
Concen: 22.306 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4





#31

Cyclohexane

Concen: 21.651 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion: 56 Resp: 202822

Ion Ratio Lower Upper

56 100

69 33.6 27.8 41.6

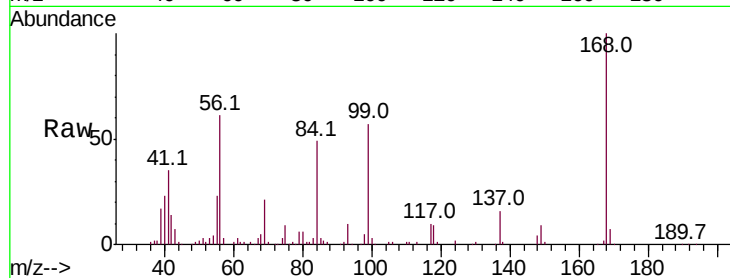
84 78.6 74.6 111.8

Manual Integrations

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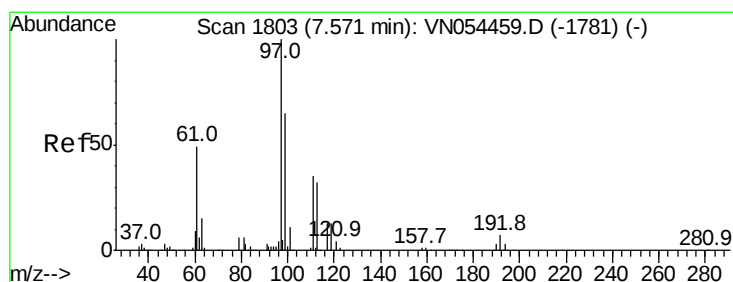
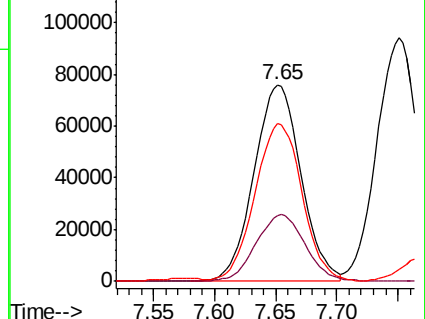
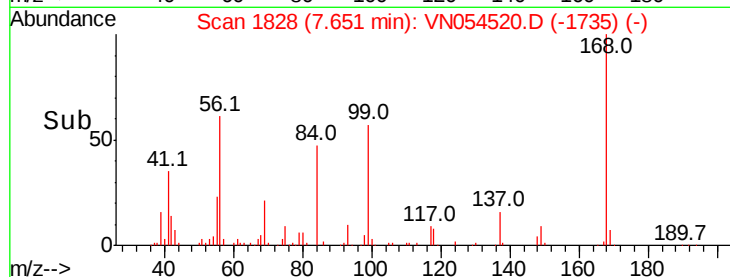
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 22.235 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

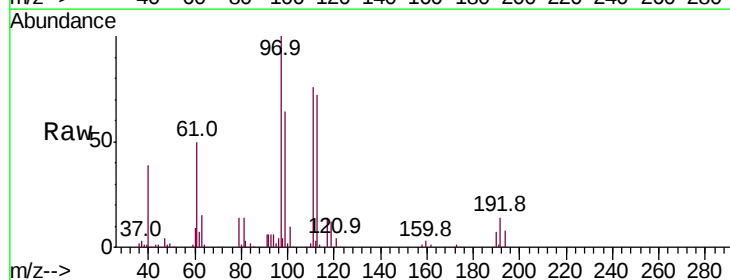
Tgt Ion: 97 Resp: 166899

Ion Ratio Lower Upper

97 100

99 64.6 51.5 77.3

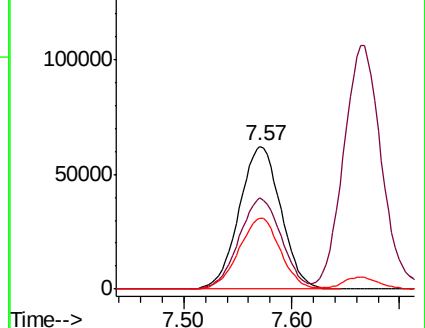
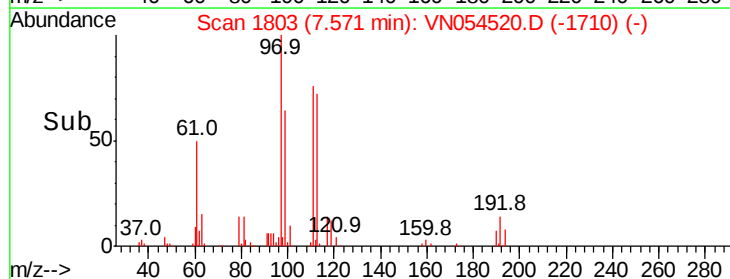
61 49.4 33.6 50.4

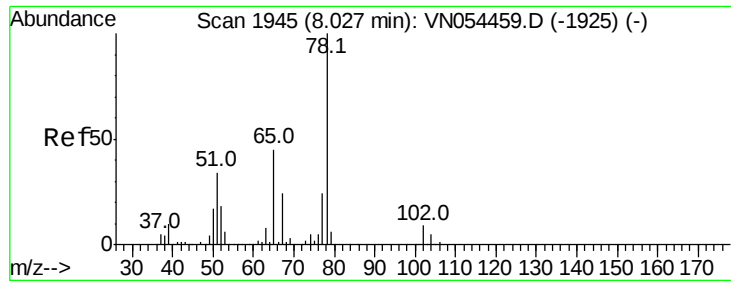


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





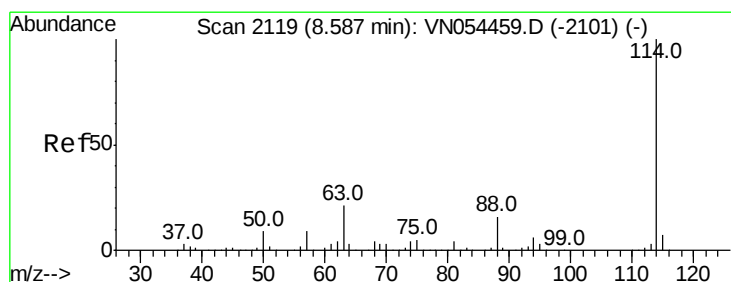
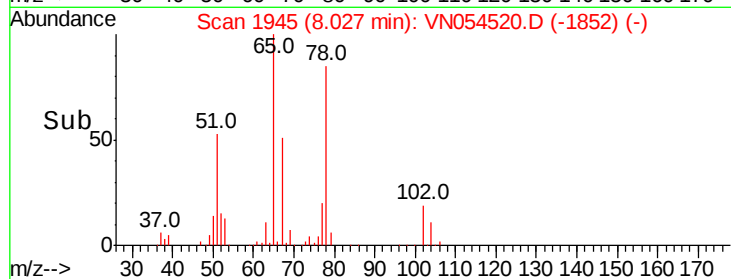
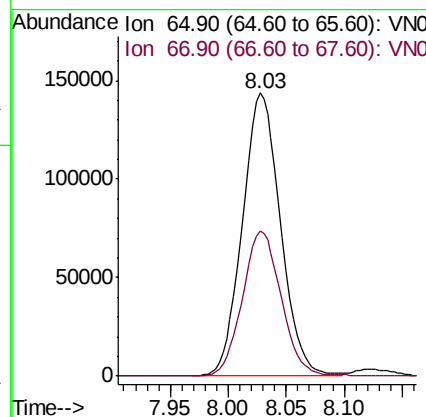
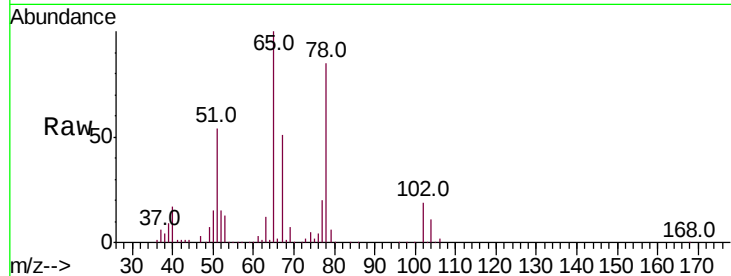
#33
 1,2-Dichloroethane-d4
 Concen: 54.734 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.6

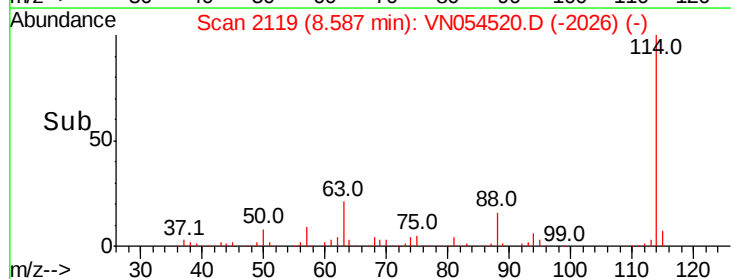
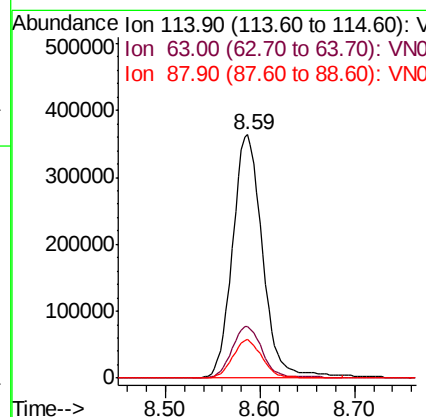
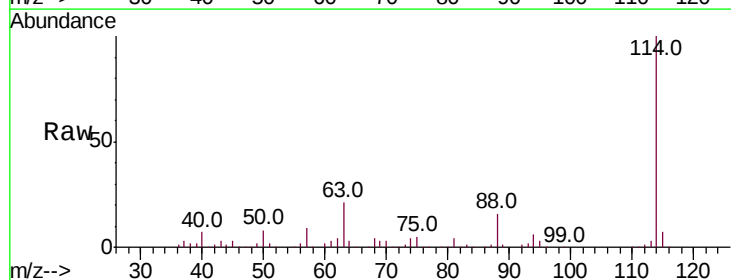
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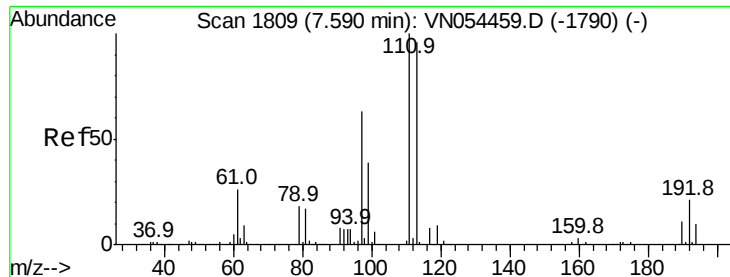
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	35.2
88	15.7	0.0	30.2





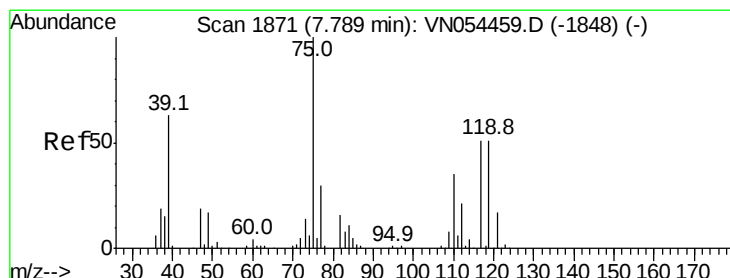
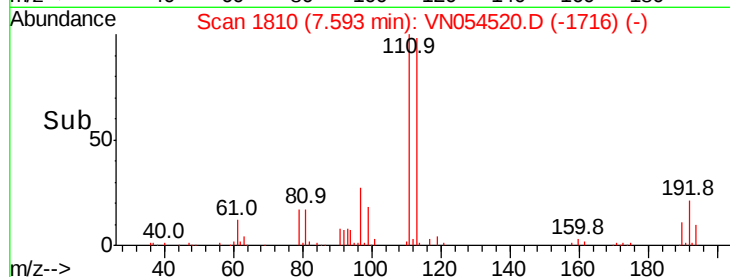
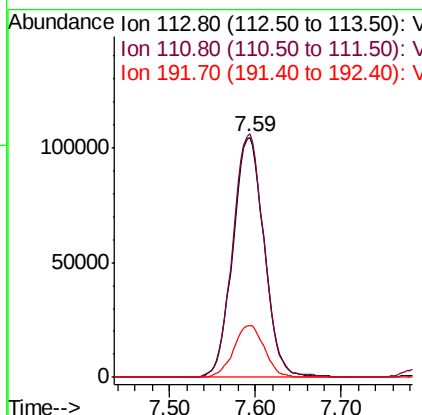
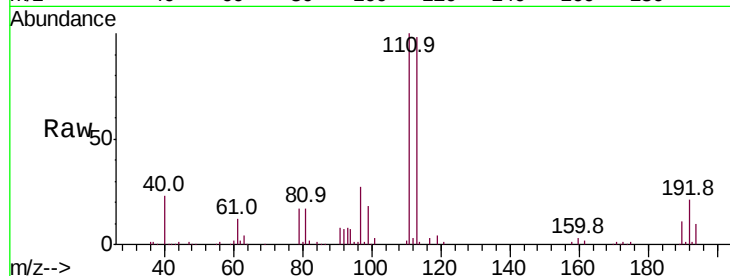
#35
 Dibromofluoromethane
 Concen: 50.991 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	263925		
111	101.7	82.2	123.4	
192	21.3	19.2	28.8	

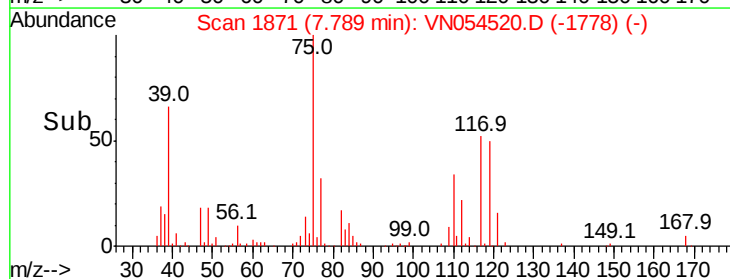
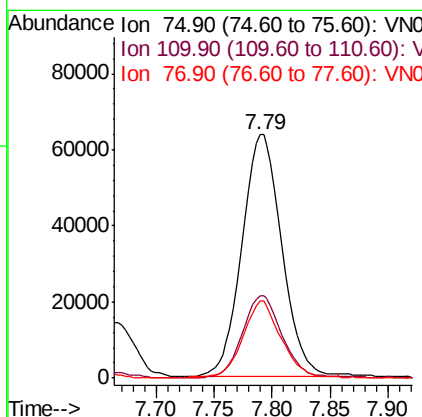
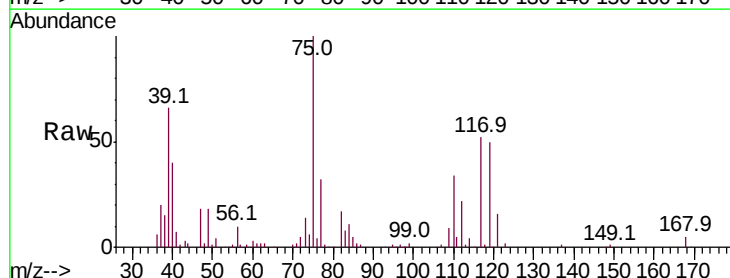
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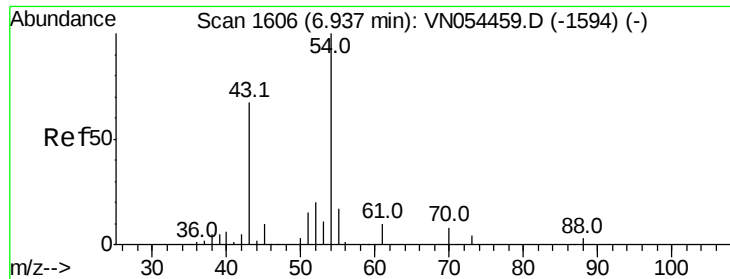
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#36
 1,1-Dichloropropene
 Concen: 20.235 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152003		
110	34.1	19.1	57.5	
77	30.9	25.0	37.4	





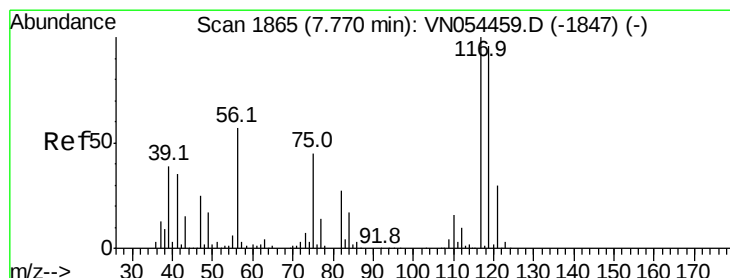
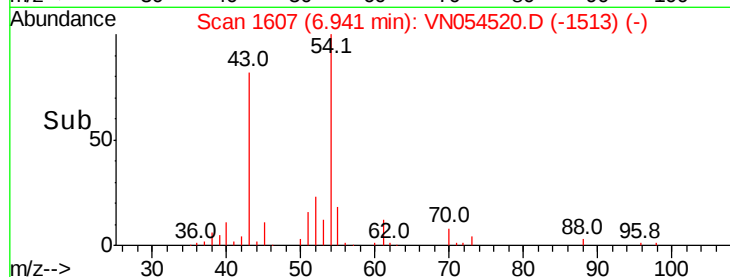
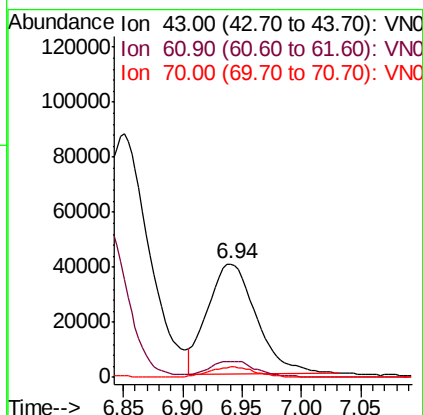
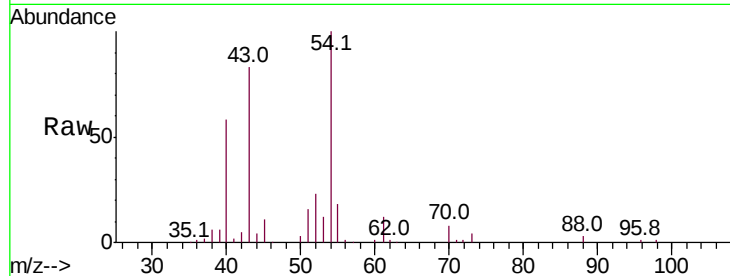
#37
Ethyl Acetate
Concen: 21.404 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampled :
VN0321WBSD01

Tot Ion	43	61	70
Ion Ratio	100	13.6	9.1
Resp: Lower		11.8	8.4
Upper		17.6	12.6

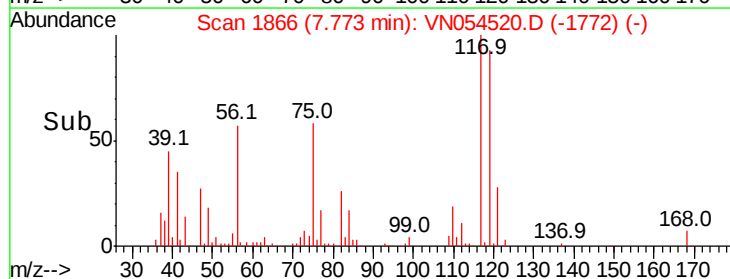
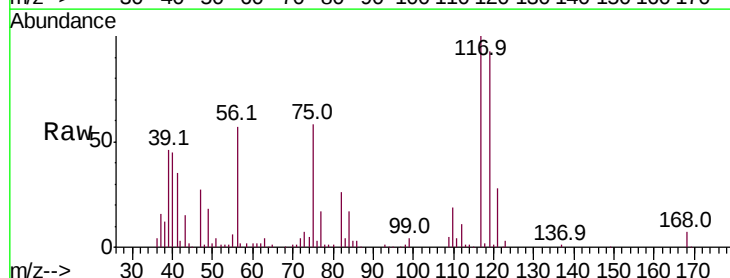
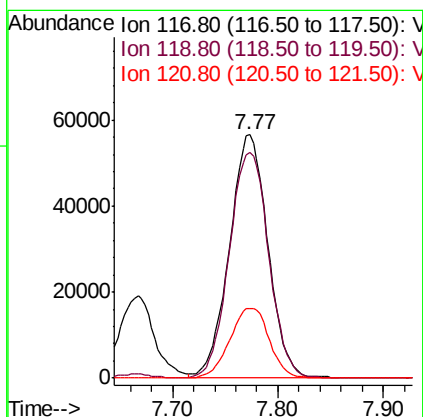
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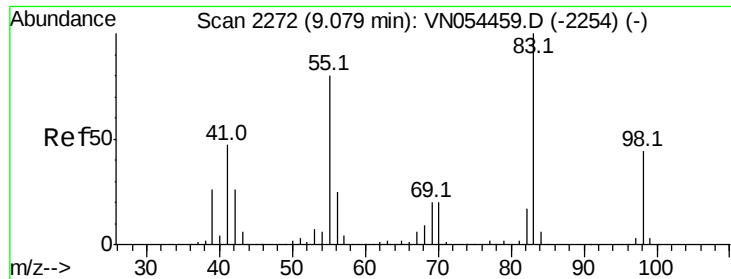
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#38
Carbon Tetrachloride
Concen: 19.476 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion	117	119	121
Ion Ratio	100	93.1	28.6
Resp: Lower		76.3	24.6
Upper		114.5	36.8





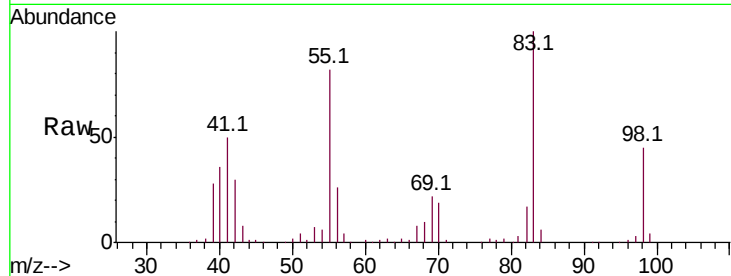
#39
Methvlcvclohexane
Concen: 19.418 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.4	56.6	84.8
98	45.1	38.4	57.6

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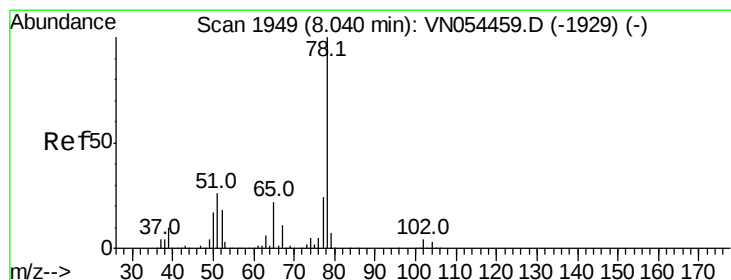
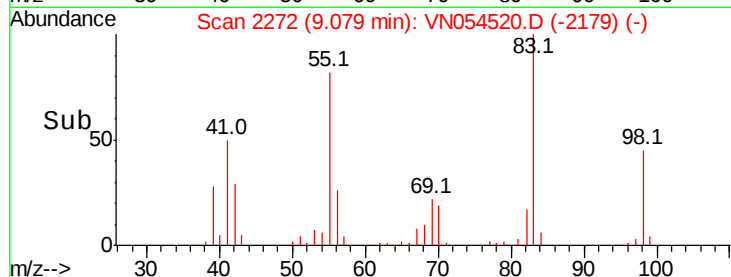
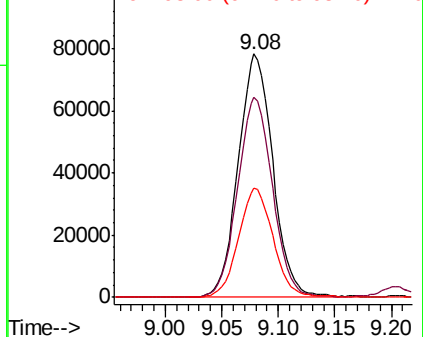


Abundance

Ion 83.00 (82.70 to 83.70): VN0

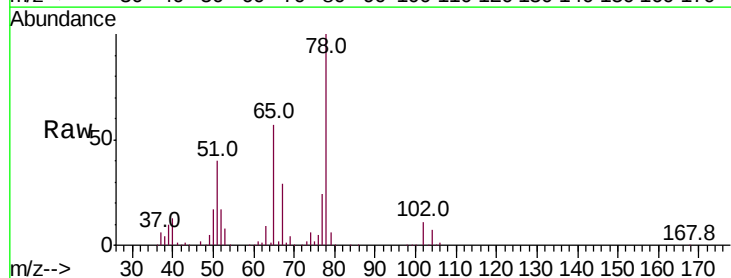
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 20.962 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

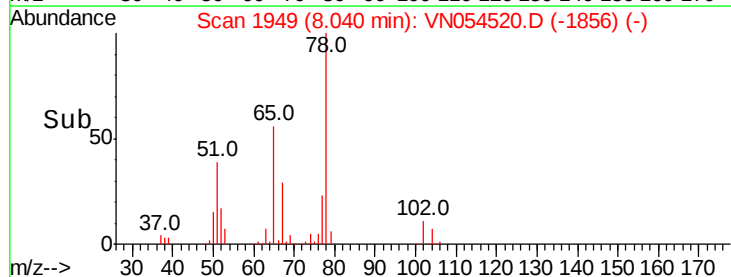
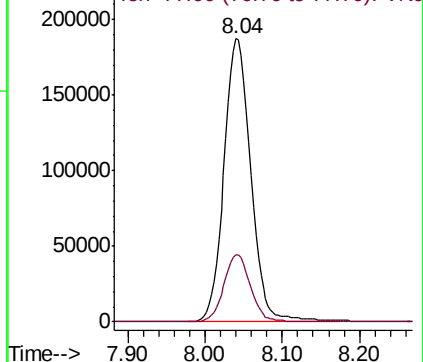
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7

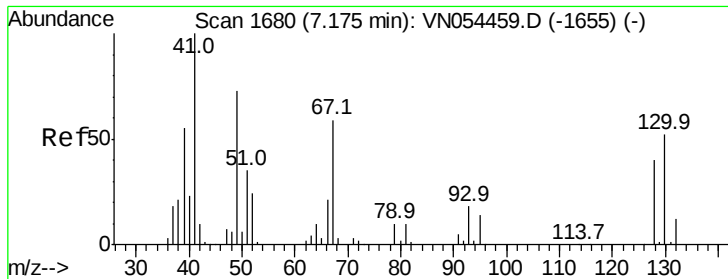


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





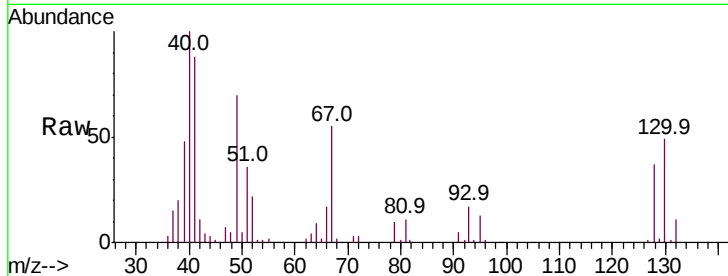
#41
Methacrylonitrile
Concen: 20.406 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

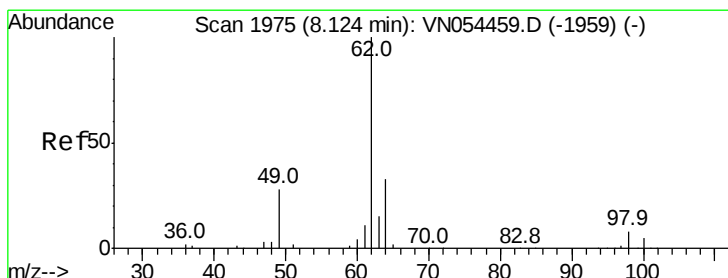
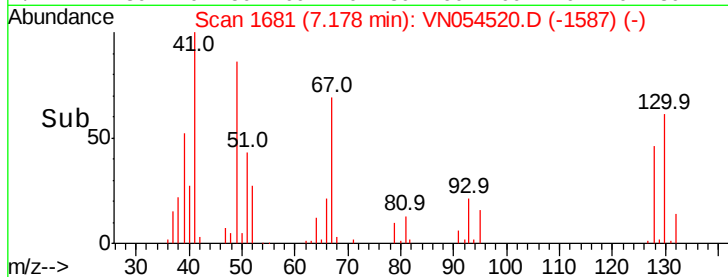
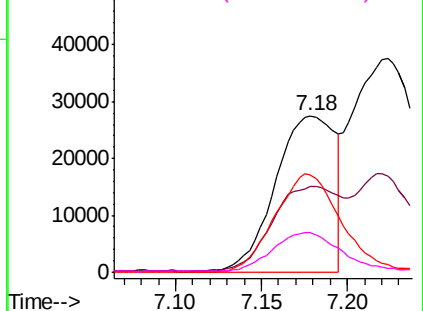
Tot Ion: 41 Resp: 66488
Ion Ratio Lower Upper
41 100
39 64.2 46.8 70.2
67 70.9 67.0 100.4
52 28.9 26.5 39.7

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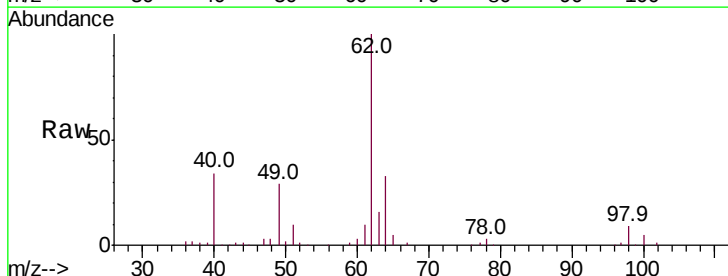


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

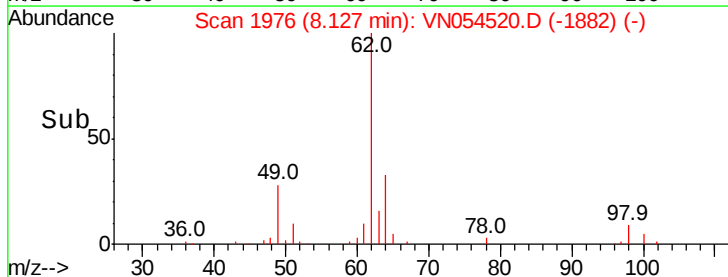
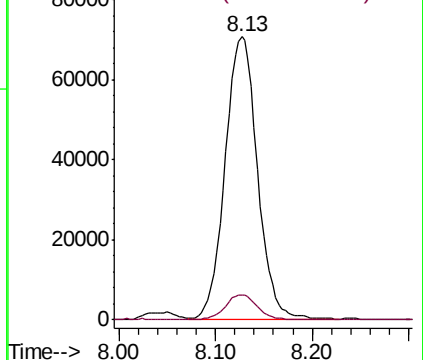


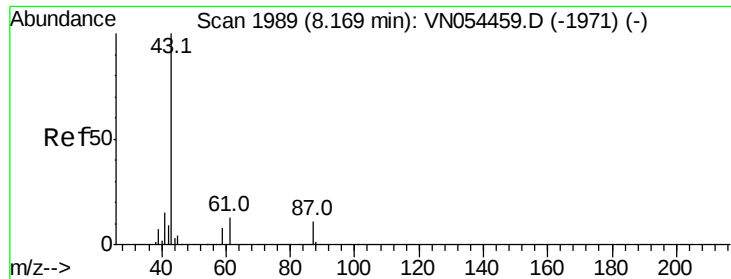
#42
1,2-Dichloroethane
Concen: 20.832 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion: 62 Resp: 162962
Ion Ratio Lower Upper
62 100
98 8.8 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 21.243 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

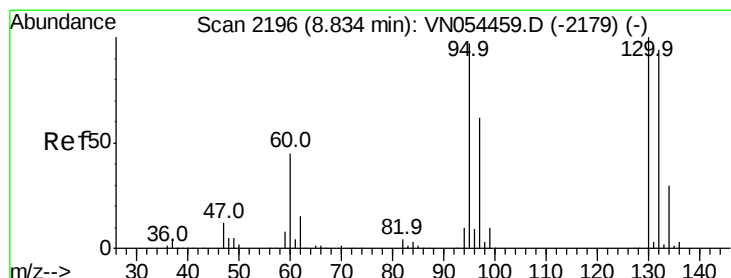
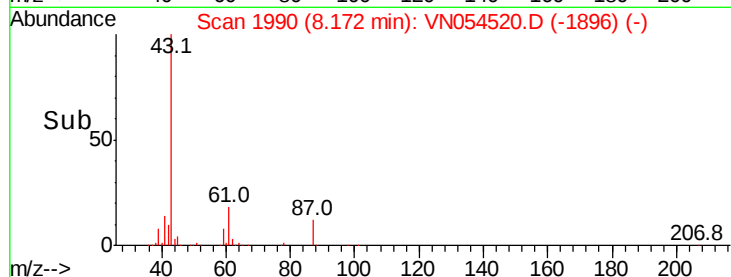
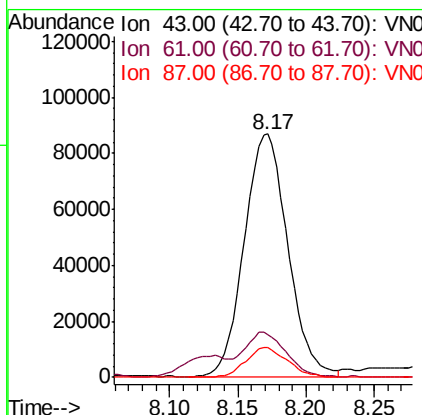
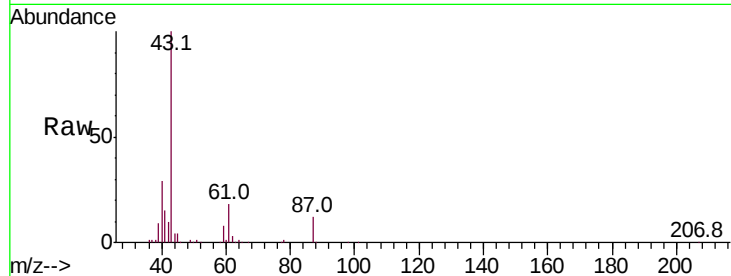
ClientSampleId :

VN0321WBSD01

Tot Ion:	43	Resp:	191675
Ion Ratio	Lower	Upper	
43	100		
61	17.2	15.8	23.8
87	12.0	12.0	18.0#

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#44

Trichloroethene

Concen: 20.014 ug/l

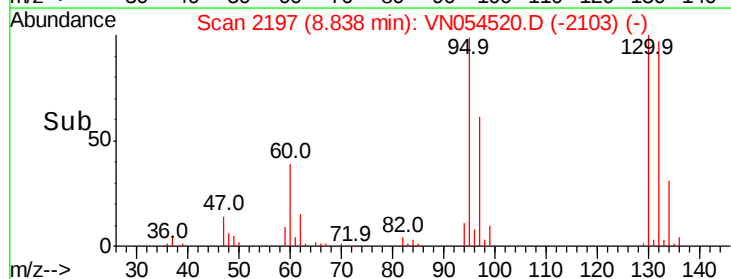
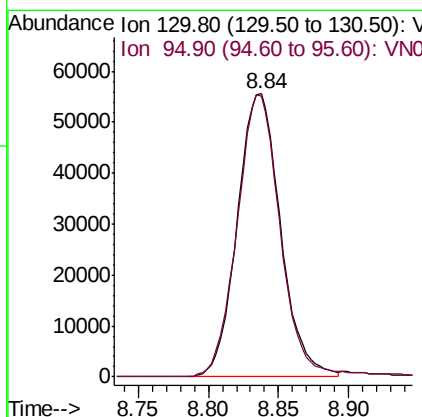
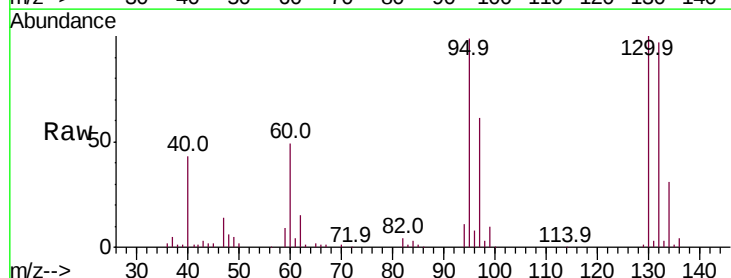
RT: 8.84 min Scan# 2197

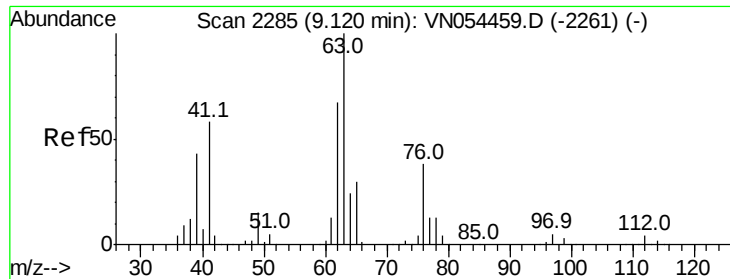
Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Tgt Ion:	130	Resp:	119521
Ion Ratio	Lower	Upper	
130	100		
95	99.2	0.0	185.2





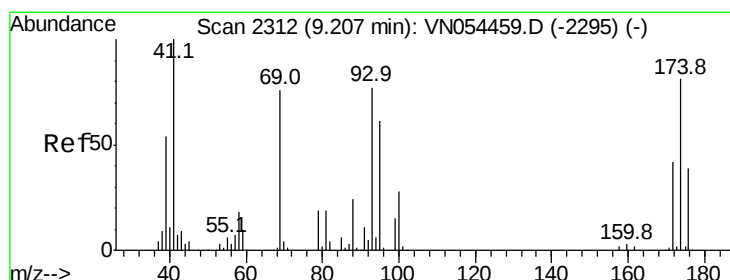
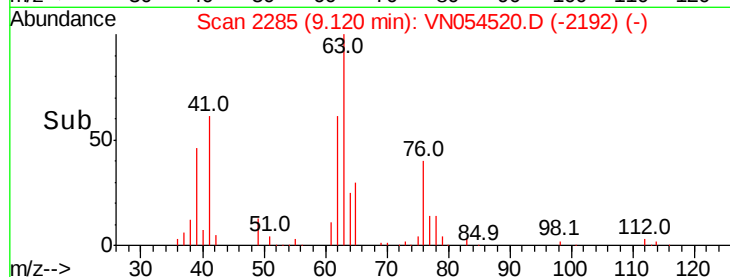
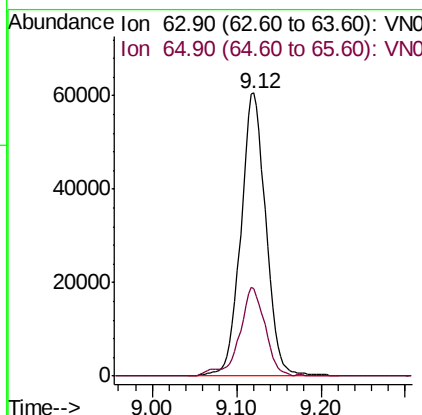
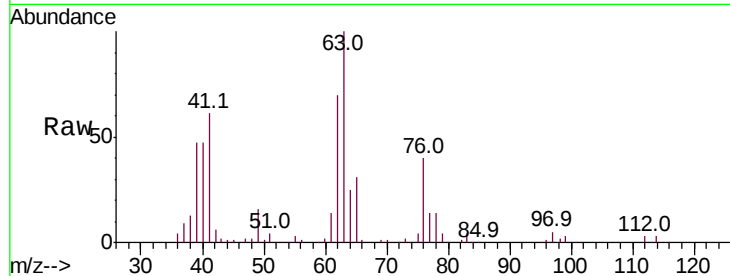
#45
 1,2-Dichloropropane
 Concen: 21.782 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

Tot Ion: 63 Resp: 125637
 Ion Ratio Lower Upper
 63 100
 65 30.7 25.0 37.6

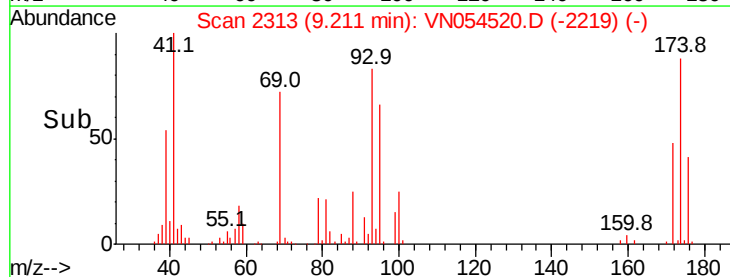
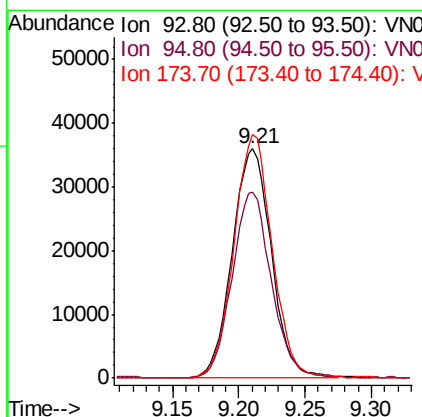
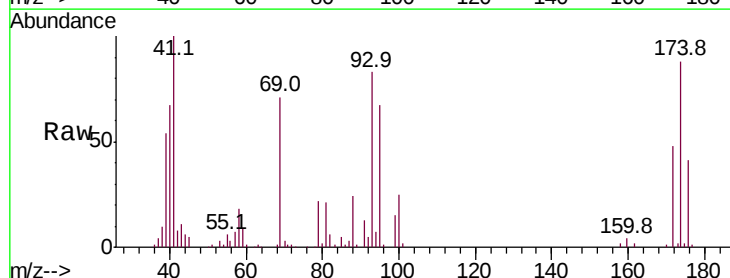
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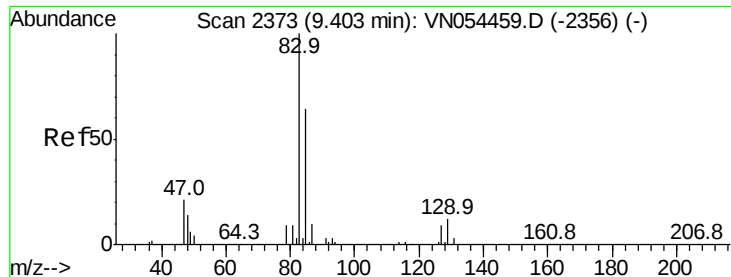
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#46
 Dibromomethane
 Concen: 21.476 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion: 93 Resp: 73899
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.7 100.1
 174 103.7 98.5 147.7





#47

Bromodichloromethane

Concen: 20.548 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

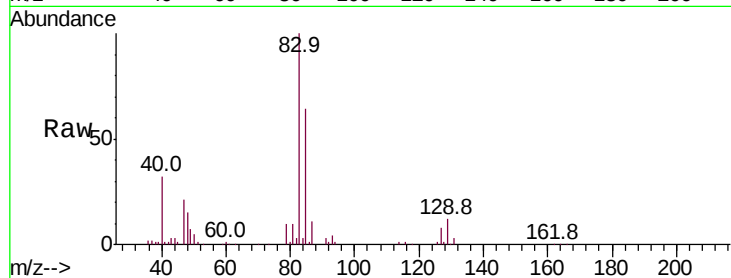
ClientSampleId :

VN0321WBSD01

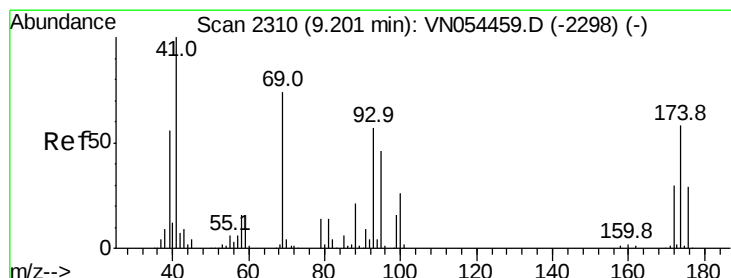
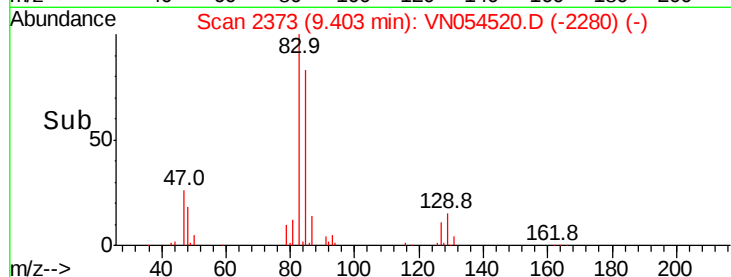
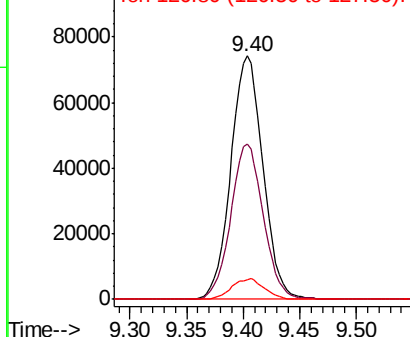
Tot Ion:	83	Resp:	146739
Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.8	79.2
127	8.2	7.4	11.2

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.562 ug/l

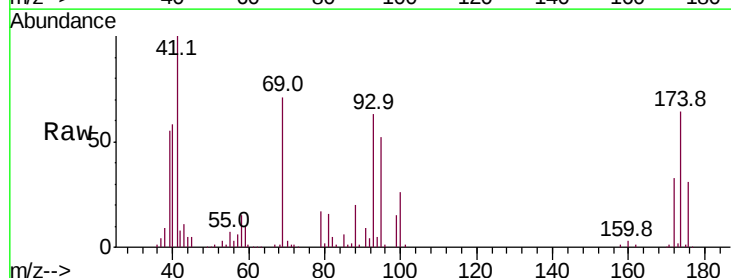
RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

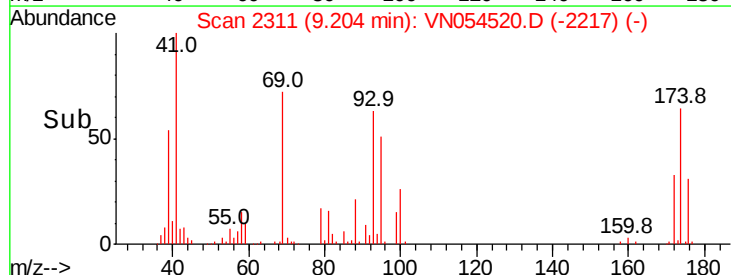
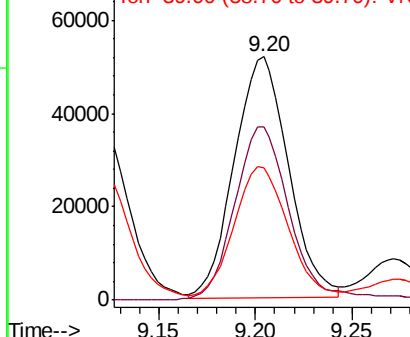
Lab File: VN054520.D

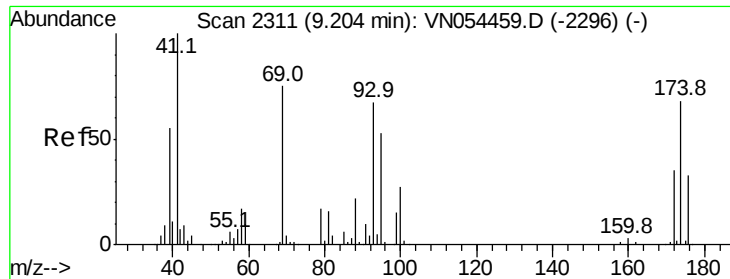
Acq: 21 Mar 2019 19:22

Tgt Ion:	41	Resp:	100701
Ion	Ratio	Lower	Upper
41	100		
69	73.1	72.6	108.8
39	55.0	47.5	71.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#49

1,4-Dioxane

Concen: 420.533 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampled :

VN0321WBSD01

Tot Ion: 88 Resp: 23024

Ion Ratio Lower Upper

88 100

43 37.4 24.1 36.1#

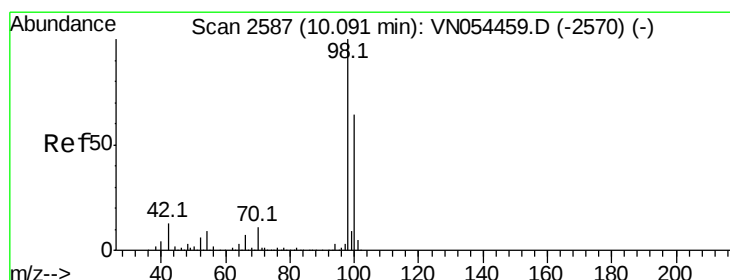
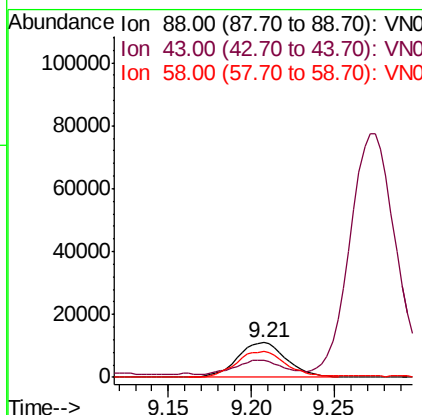
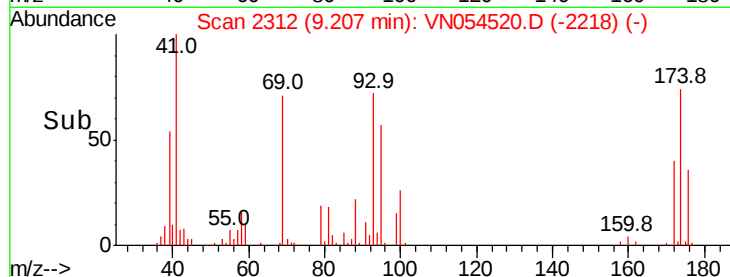
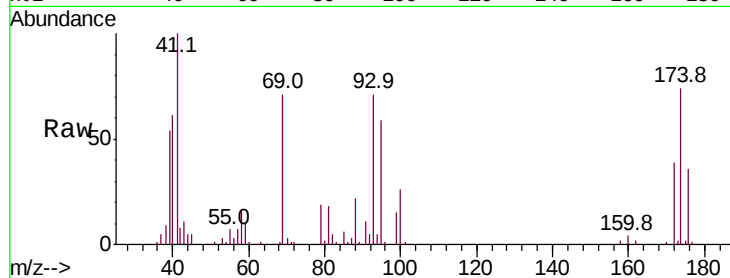
58 76.2 50.8 76.2

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#50

Toluene-d8

Concen: 50.051 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054520.D

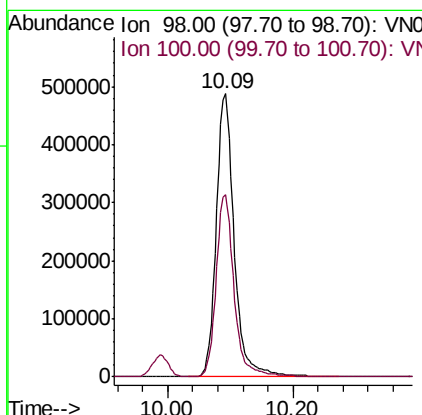
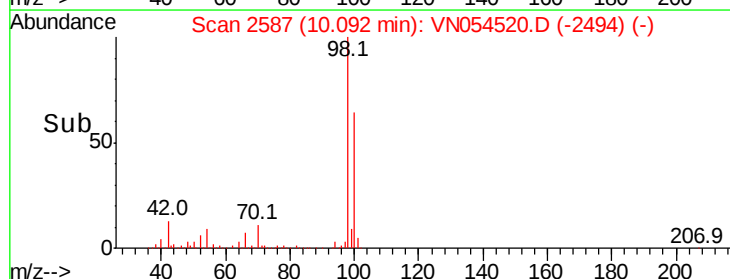
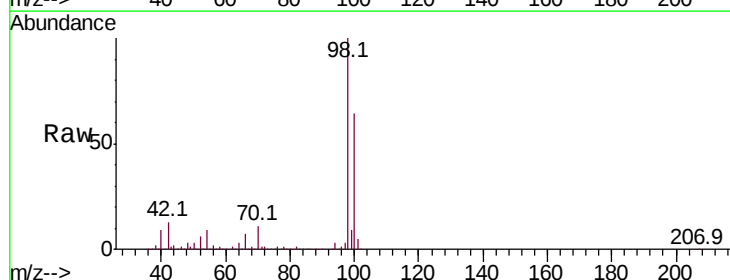
Acq: 21 Mar 2019 19:22

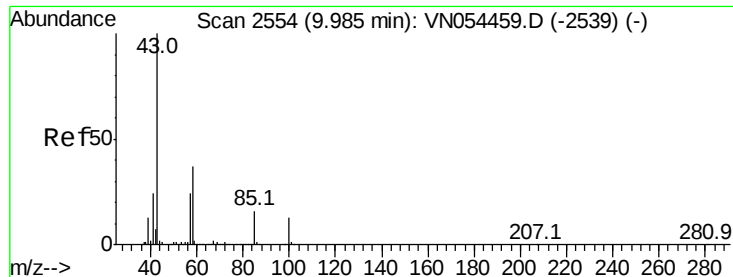
Tgt Ion: 98 Resp: 973902

Ion Ratio Lower Upper

98 100

100 63.9 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 108.878 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion: 43 Resp: 544454

Ion Ratio Lower Upper

43 100

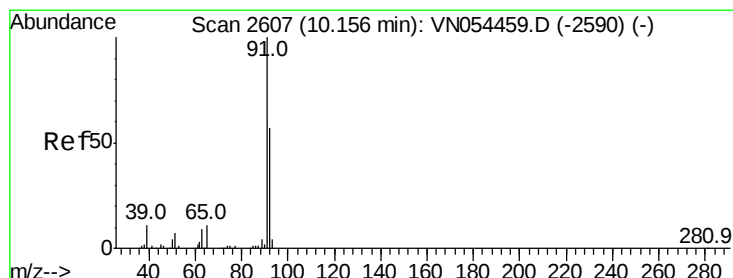
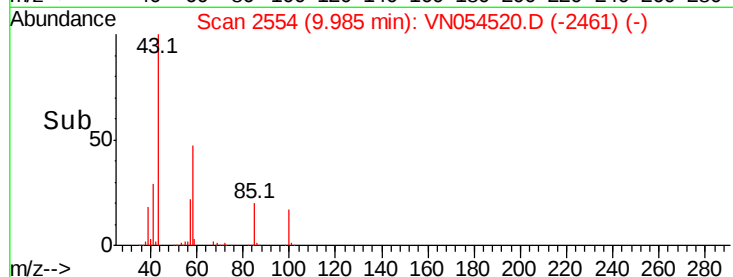
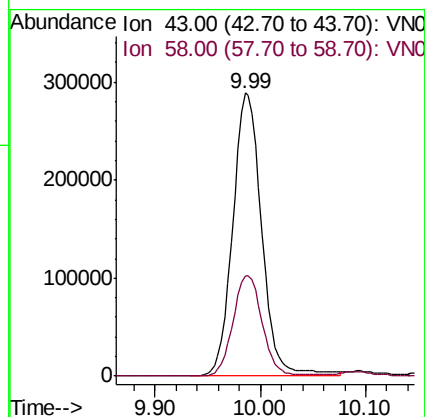
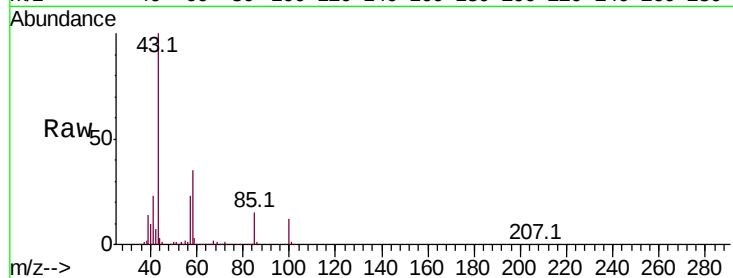
58 36.0 31.8 47.6

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#52

Toluene

Concen: 20.206 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054520.D

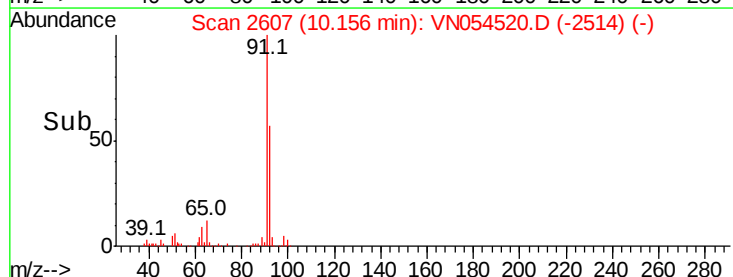
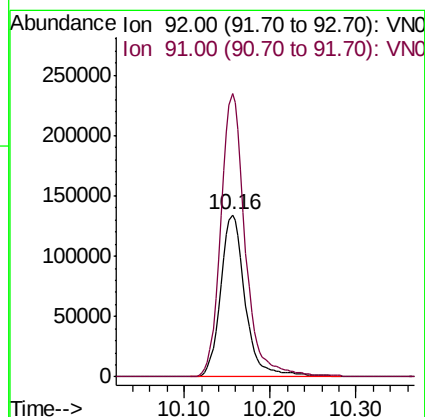
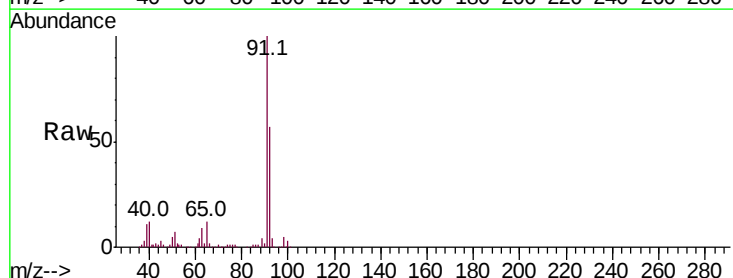
Acq: 21 Mar 2019 19:22

Tgt Ion: 92 Resp: 266955

Ion Ratio Lower Upper

92 100

91 175.5 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 18.629 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion: 75 Resp: 129292

Ion Ratio Lower Upper

75 100

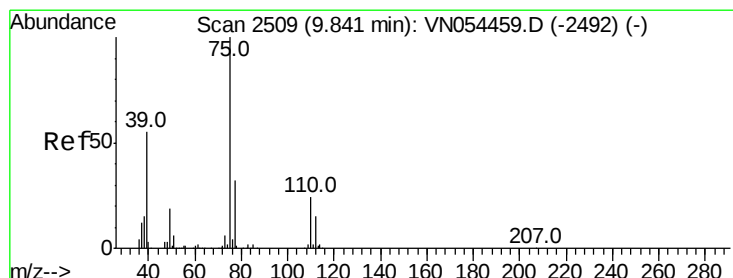
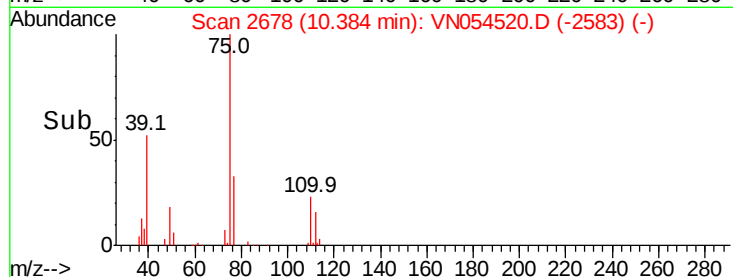
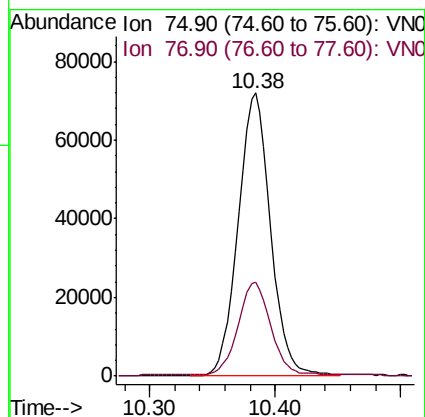
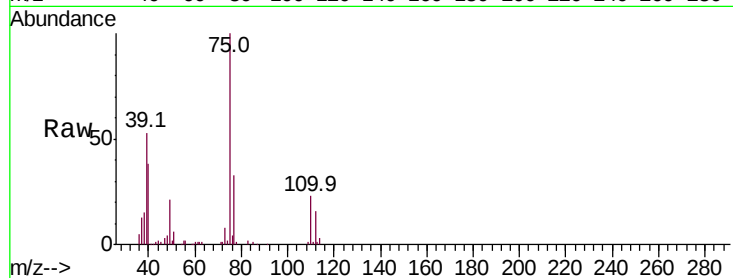
77 32.7 25.8 38.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.256 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

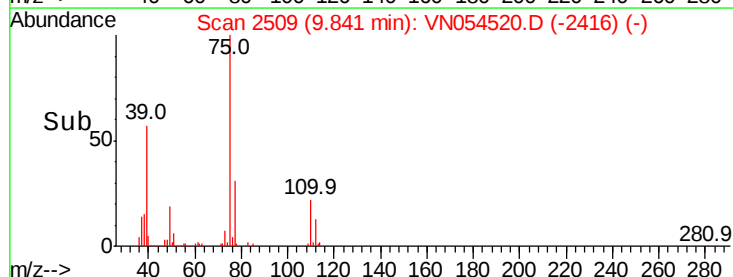
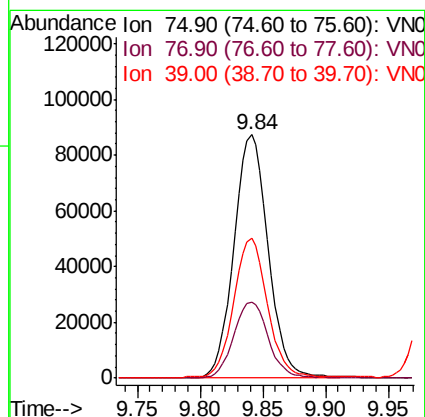
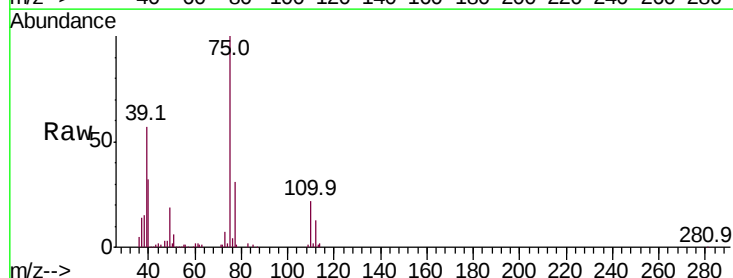
Tgt Ion: 75 Resp: 165863

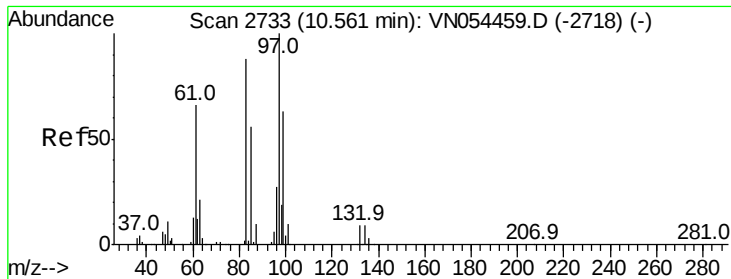
Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.0

39 56.8 37.2 55.8#





#55

1,1,2-Trichloroethane

Concen: 21.211 ug/l

RT: 10.56 min Scan# 2734

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

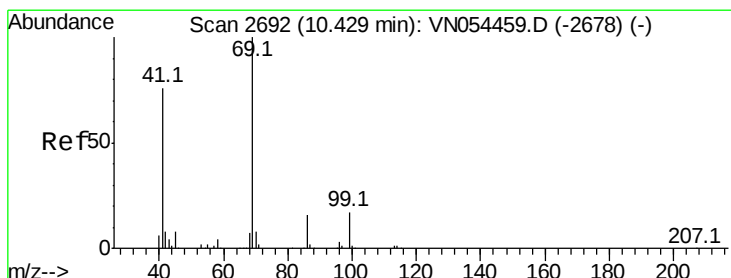
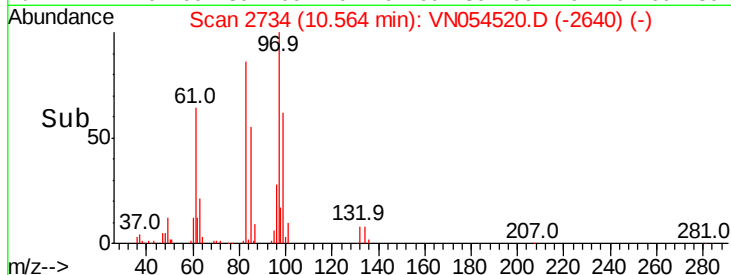
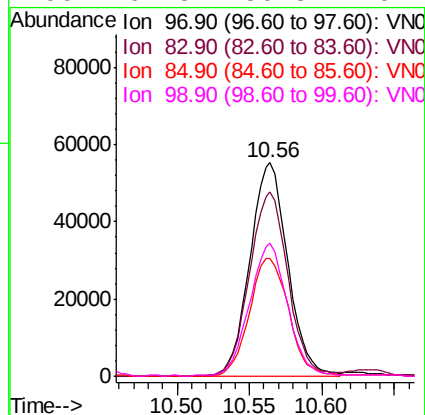
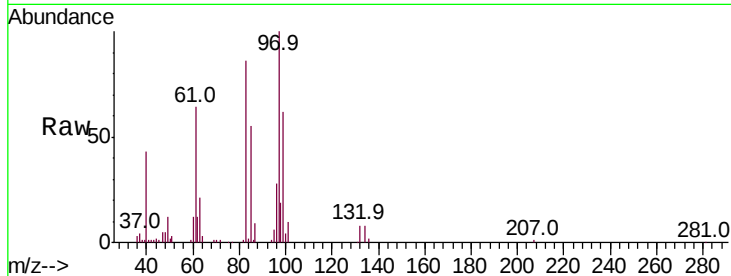
ClientSampleId :

VN0321WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		100734		
83	86.4	66.6	100.0		
85	54.9	44.4	66.6		
99	61.8	50.8	76.2		

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#56

Ethyl methacrylate

Concen: 20.346 ug/l

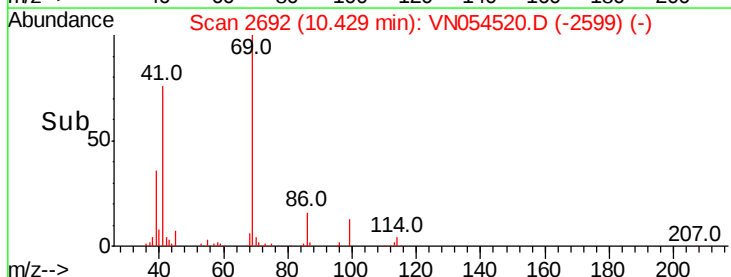
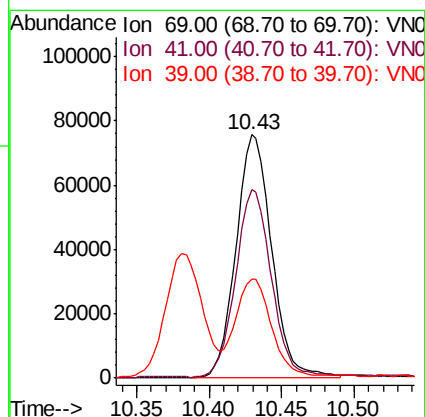
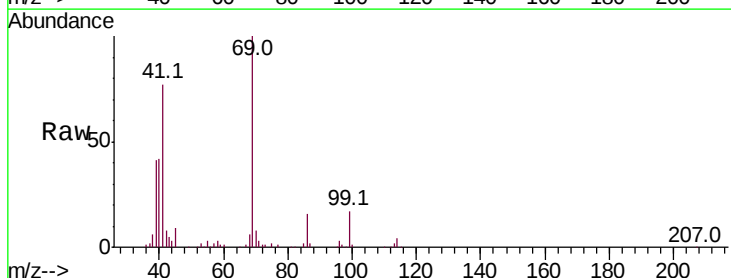
RT: 10.43 min Scan# 2692

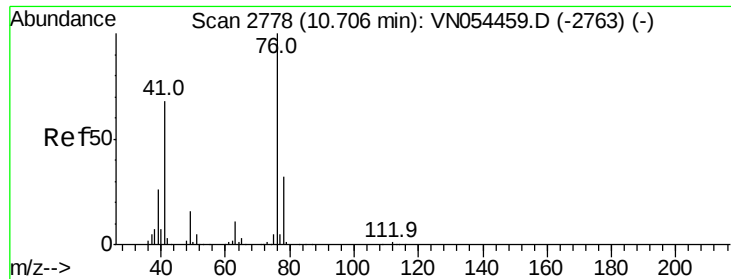
Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		129689		
41	76.8	49.4	74.2#		
39	40.0	28.3	42.5		





#57

1,3-Dichloropropane

Concen: 21.141 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion: 76 Resp: 174524

Ion Ratio Lower Upper

76 100

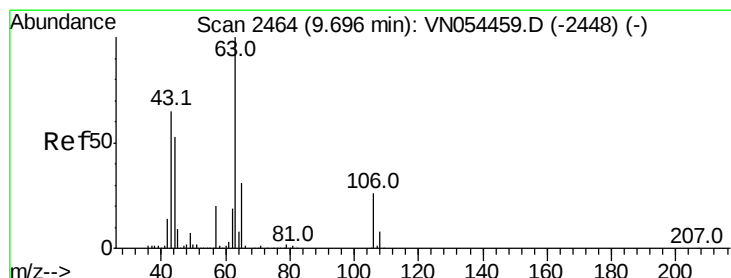
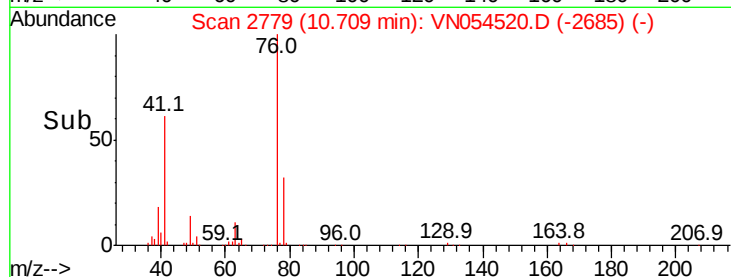
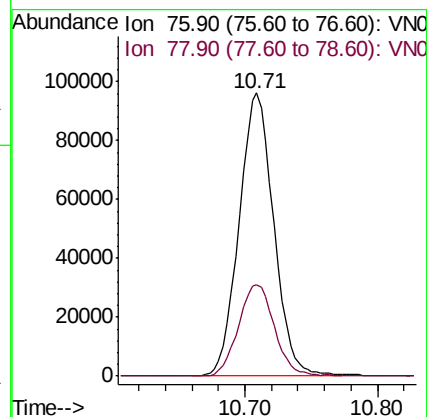
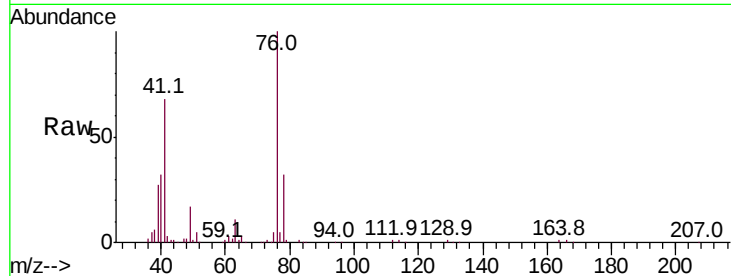
78 33.4 25.7 38.5

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.346 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054520.D

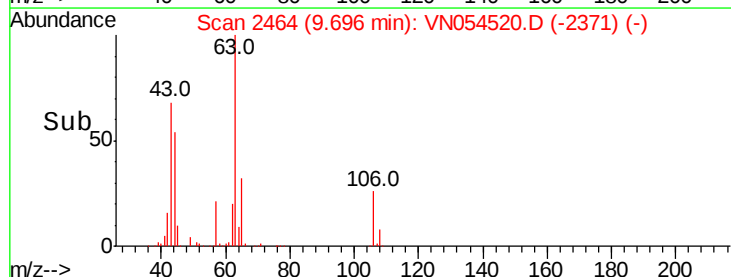
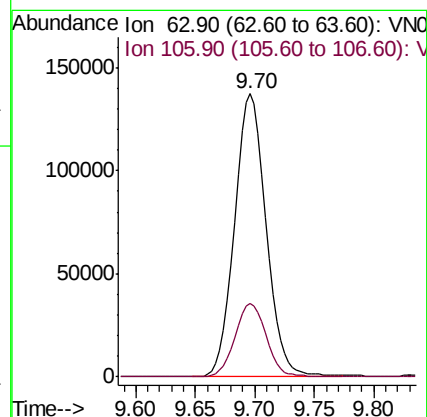
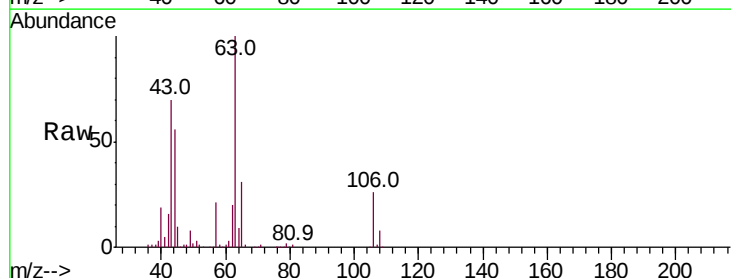
Acq: 21 Mar 2019 19:22

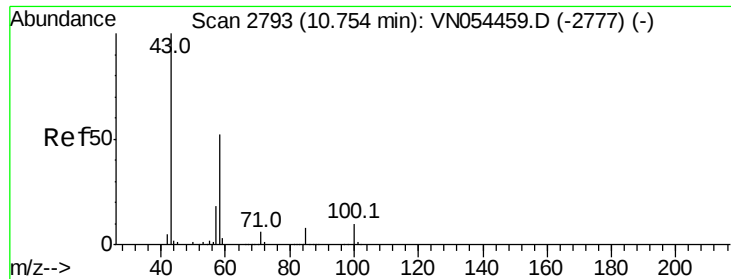
Tgt Ion: 63 Resp: 252883

Ion Ratio Lower Upper

63 100

106 25.8 24.4 36.6





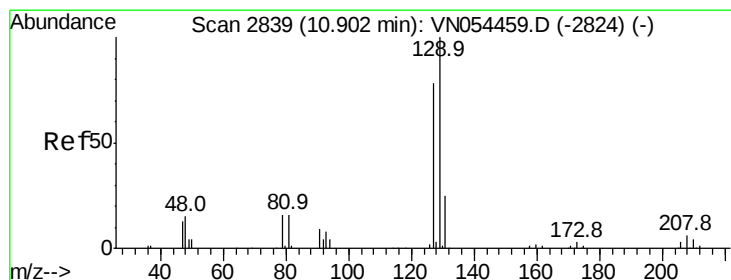
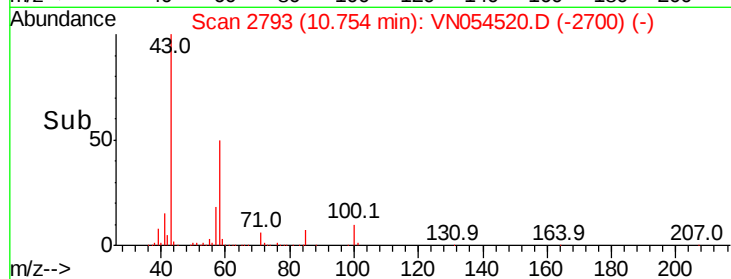
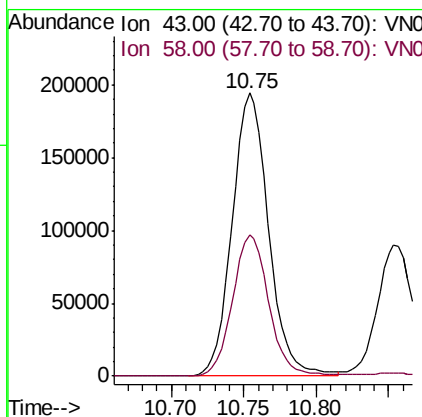
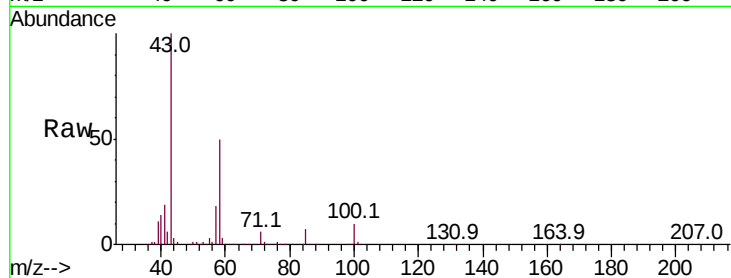
#59
2-Hexanone
Concen: 102.630 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion: 43 Resp: 335224
Ion Ratio Lower Upper
43 100
58 50.6 28.0 83.9

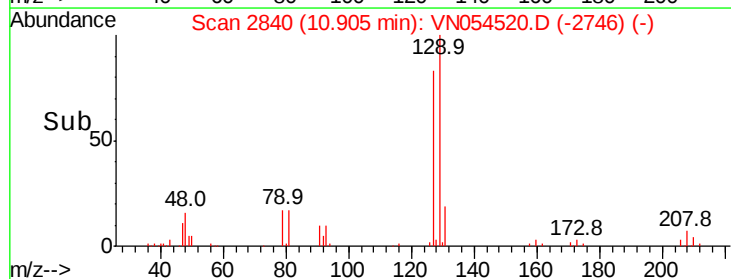
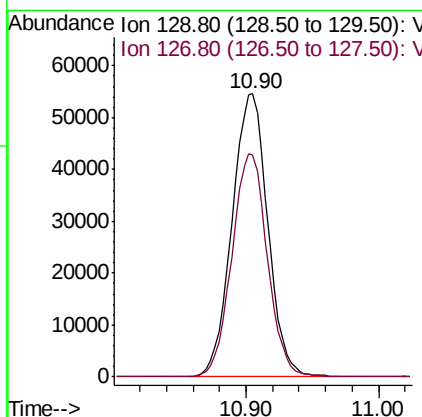
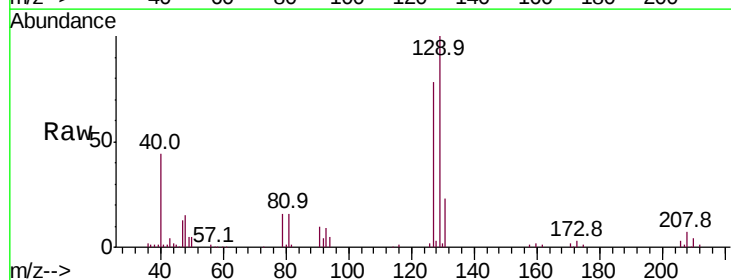
Manual Integrations
APPROVED

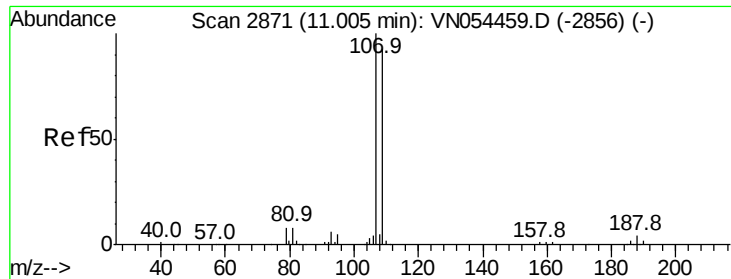
MMDadoda
3/22/2019 4:15:37 PM



#60
Dibromochloromethane
Concen: 20.190 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion: 129 Resp: 102027
Ion Ratio Lower Upper
129 100
127 78.1 38.6 115.8





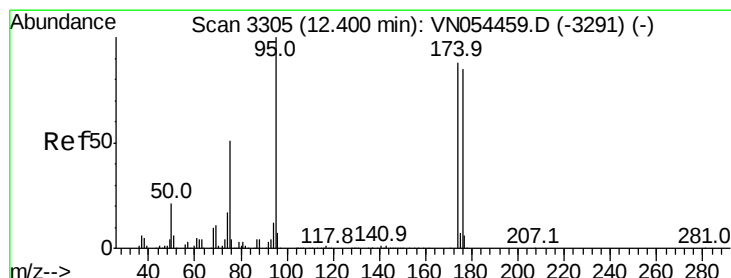
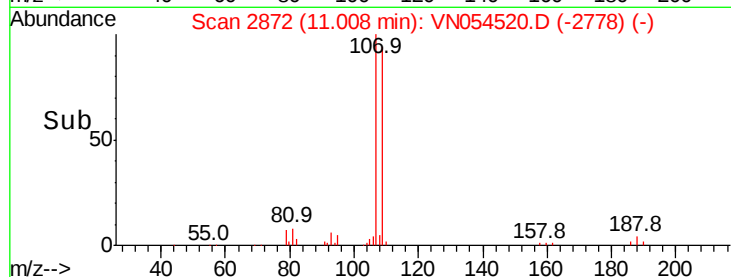
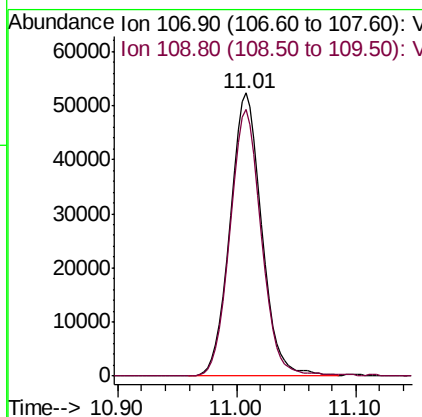
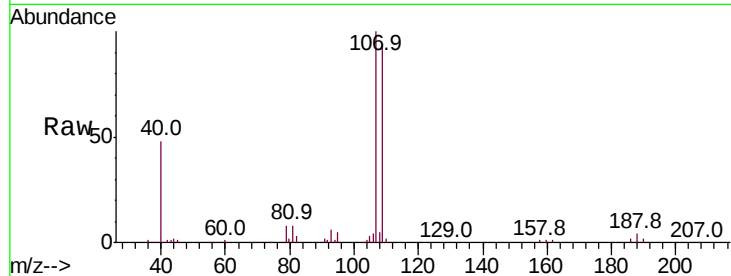
#61
 1,2-Dibromoethane
 Concen: 20.534 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

Tot Ion:107 Resp: 96407
 Ion Ratio Lower Upper
 107 100
 109 93.2 75.9 113.9

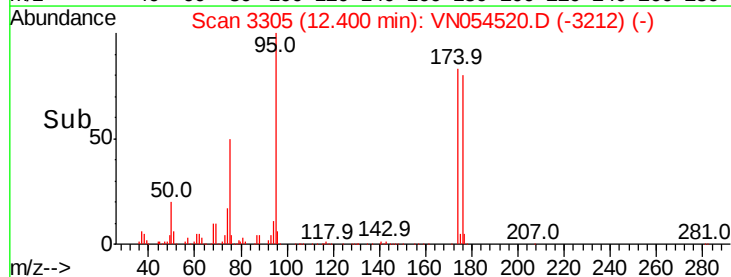
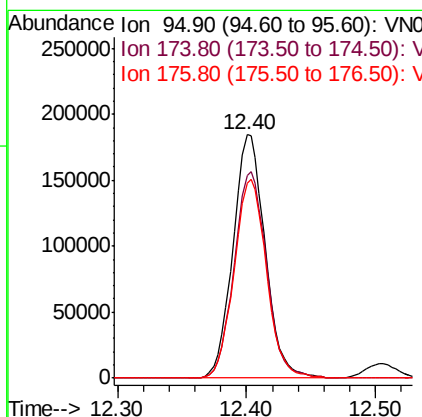
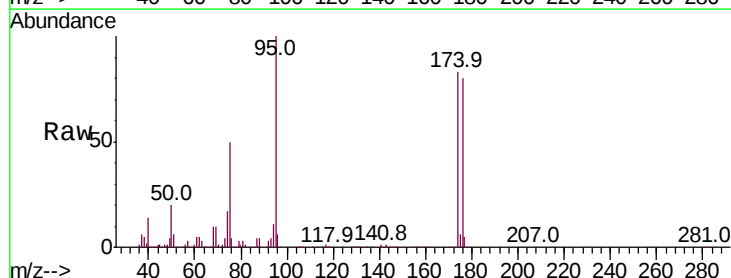
Manual Integrations
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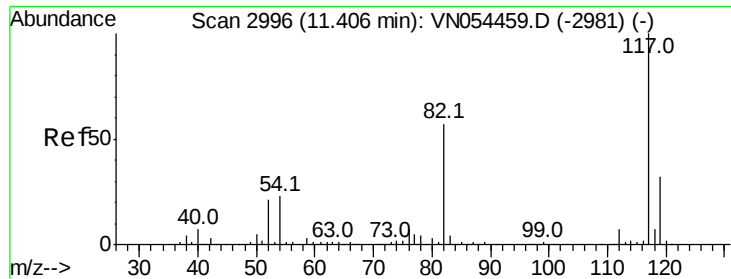
MMDadoda
 3/22/2019 4:15:37 PM



#62
 4-Bromofluorobenzene
 Concen: 48.281 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion: 95 Resp: 319681
 Ion Ratio Lower Upper
 95 100
 174 85.6 0.0 191.0
 176 82.5 0.0 187.4





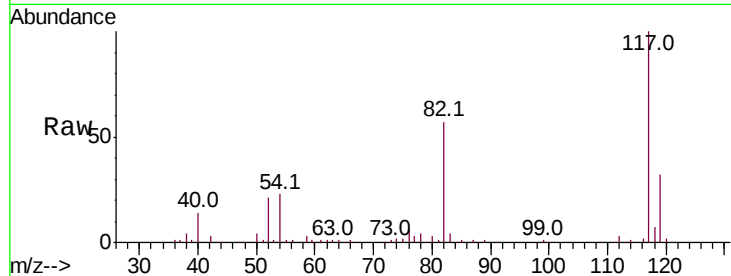
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampled :
VN0321WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	40.0	60.0
119	32.3	25.8	38.6

Manual Integrations
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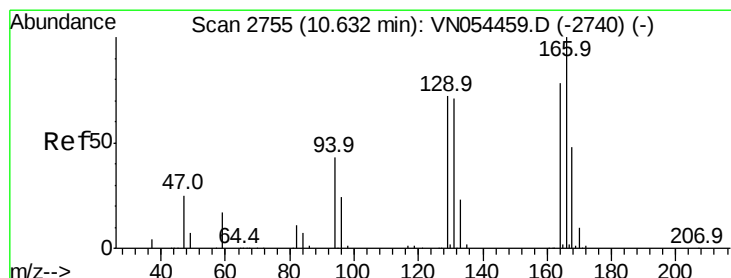
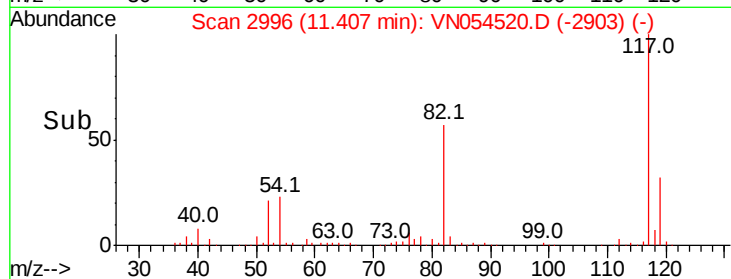
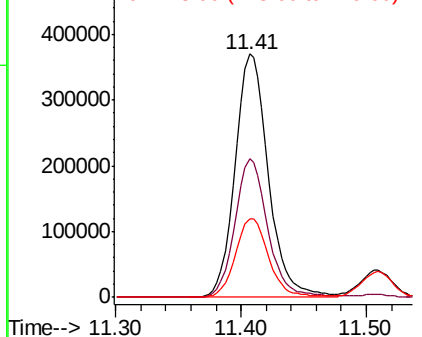


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.614 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.4	103.9	155.9
129	94.1	71.1	106.7
131	91.3	68.2	102.4

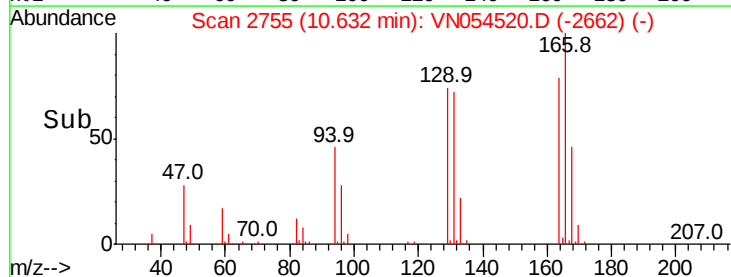
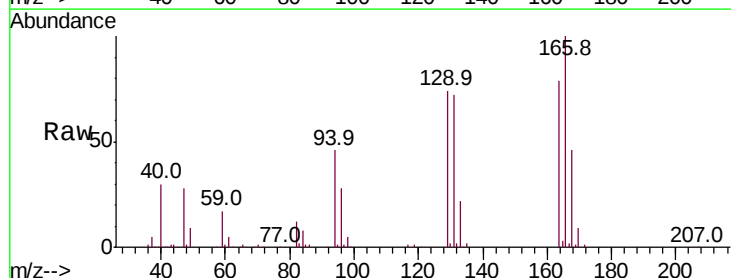
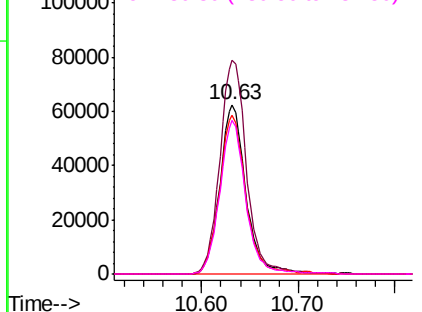
Abundance

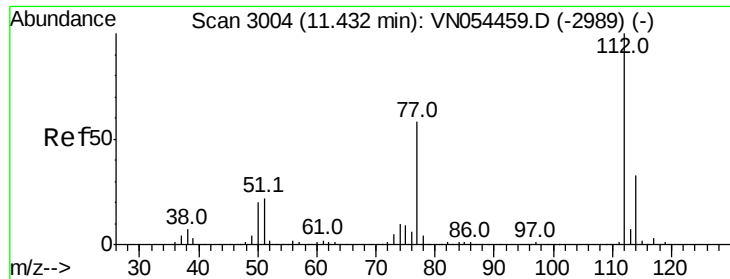
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





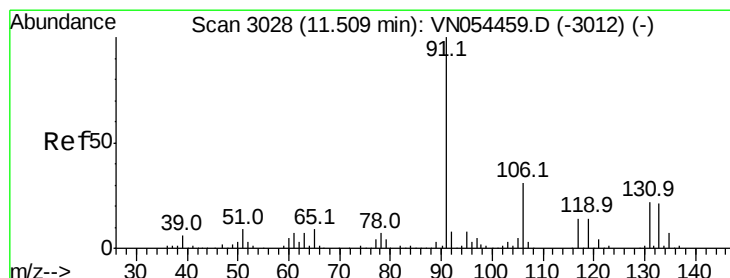
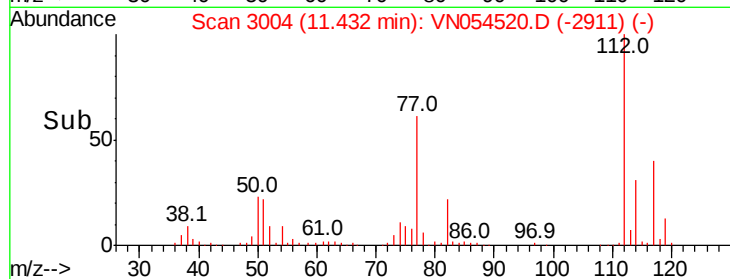
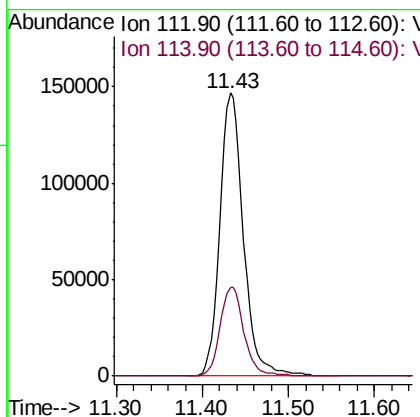
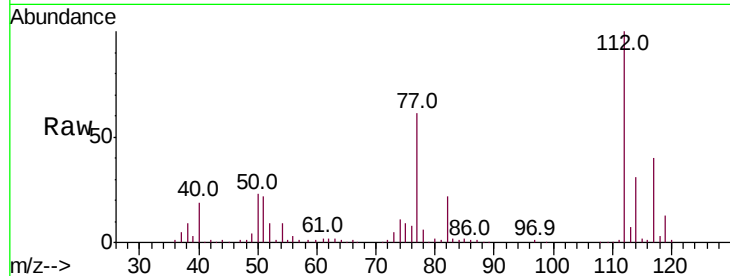
#65
Chlorobenzene
Concen: 20.105 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion:112 Resp: 279375
Ion Ratio Lower Upper
112 100
114 31.3 25.9 38.9

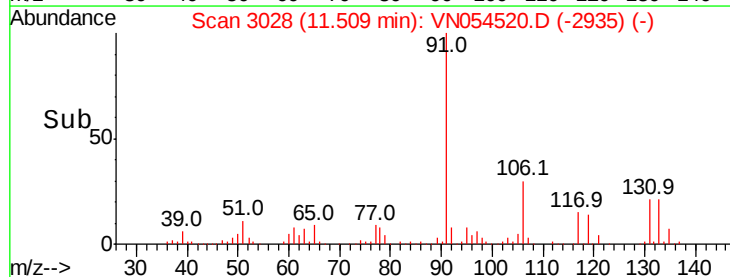
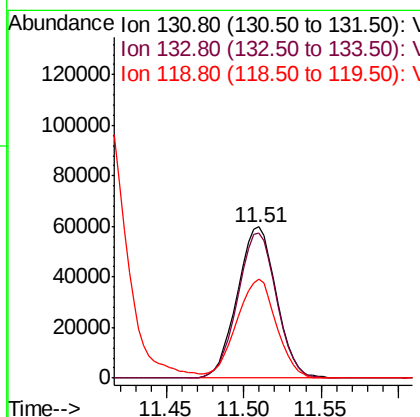
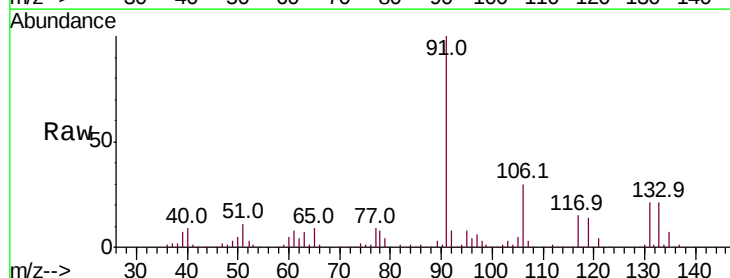
Manual Integrations
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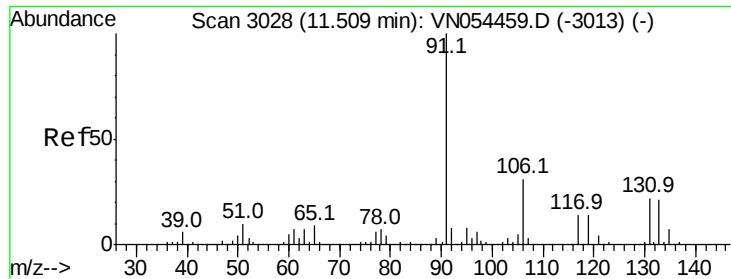
MMDadoda
3/22/2019 4:15:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.093 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion:131 Resp: 105202
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 67.0 32.4 97.0





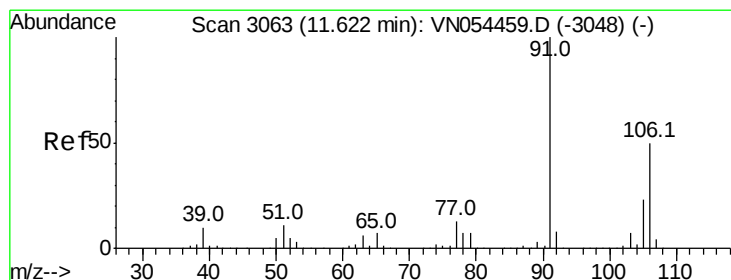
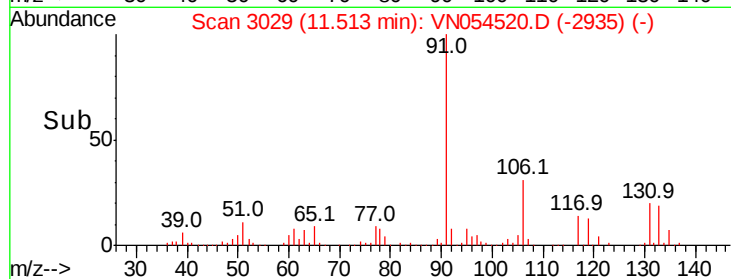
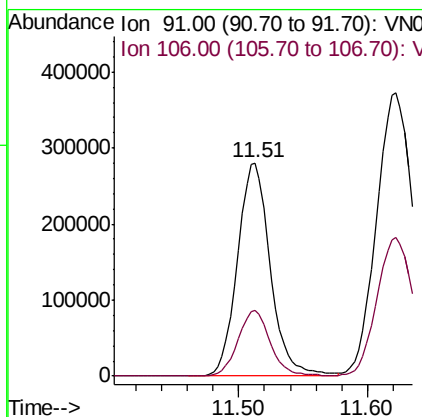
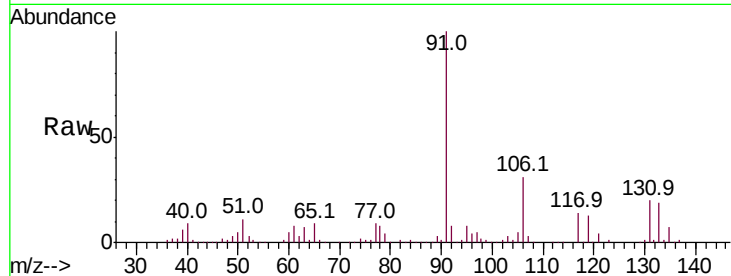
#67
Ethyl Benzene
Concen: 20.272 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion: 91 Resp: 497597
Ion Ratio Lower Upper
91 100
106 31.0 25.5 38.3

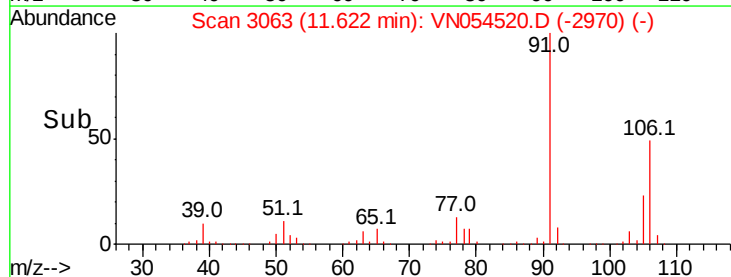
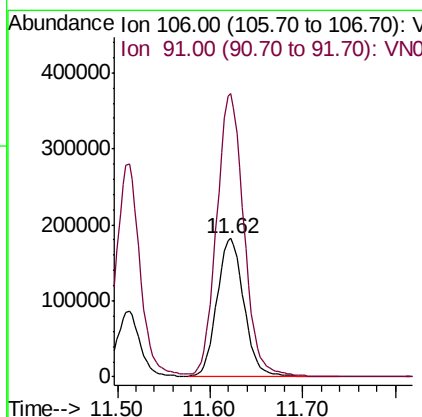
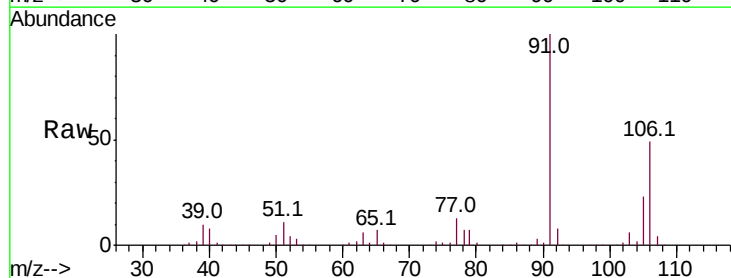
Manual Integrations
APPROVED

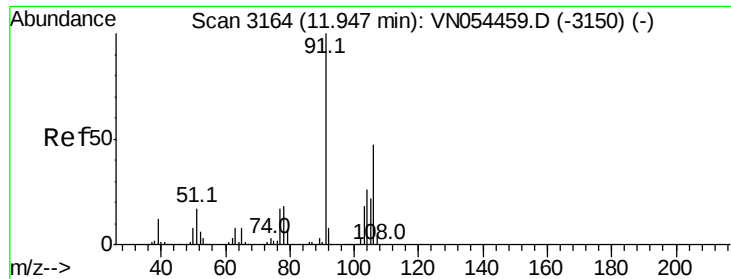
MMDadoda
3/22/2019 4:15:37 PM



#68
m/p-Xylenes
Concen: 39.799 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion: 106 Resp: 370018
Ion Ratio Lower Upper
106 100
91 206.2 159.4 239.2





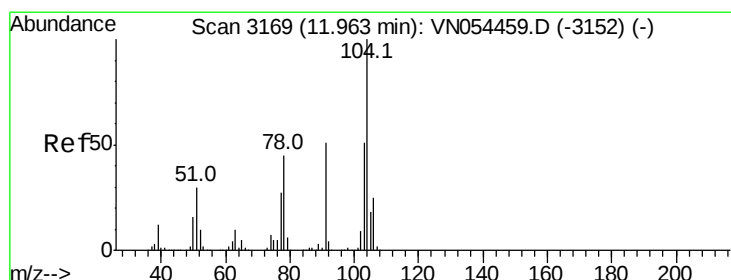
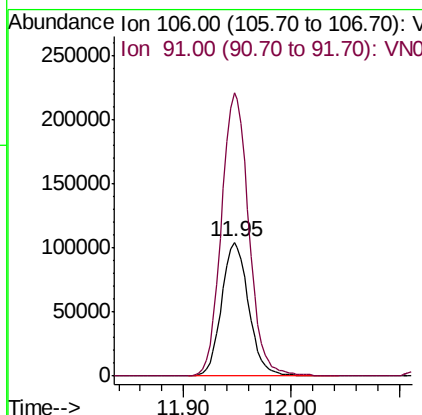
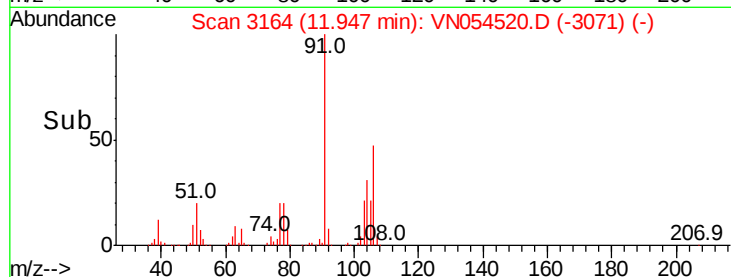
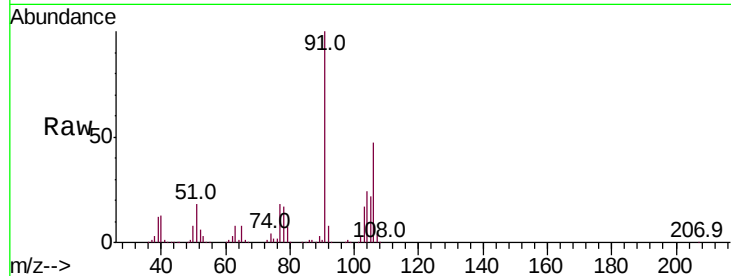
#69
o-Xylene
Concen: 20.155 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion:106 Resp: 183000
Ion Ratio Lower Upper
106 100
91 213.9 105.7 317.1

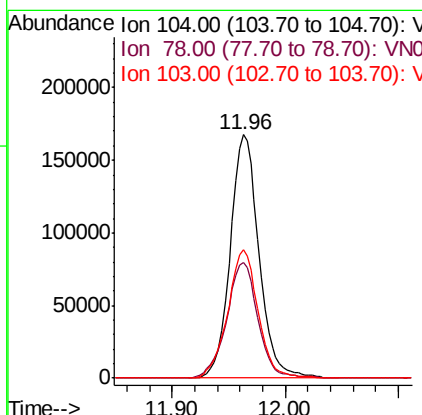
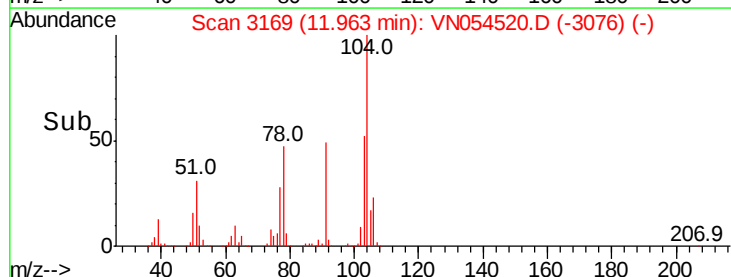
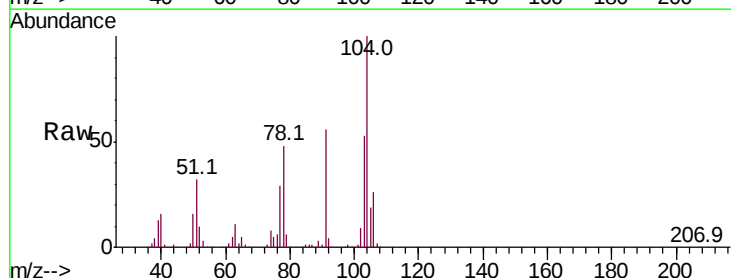
Manual Integrations
APPROVED

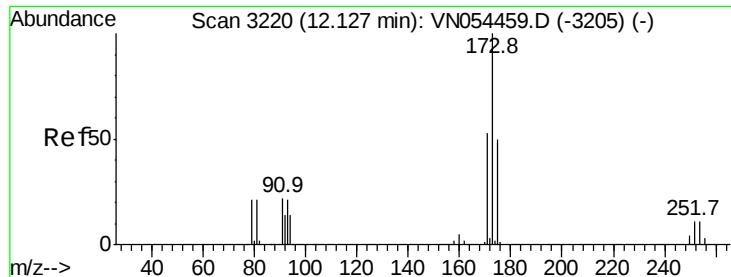
MMDadoda
3/22/2019 4:15:37 PM



#70
Styrene
Concen: 20.125 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion:104 Resp: 296736
Ion Ratio Lower Upper
104 100
78 51.7 38.2 57.2
103 55.8 44.4 66.6





#71

Bromoform

Concen: 19.106 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion:173 Resp: 60759

Ion Ratio Lower Upper

173 100

175 47.1 24.4 73.2

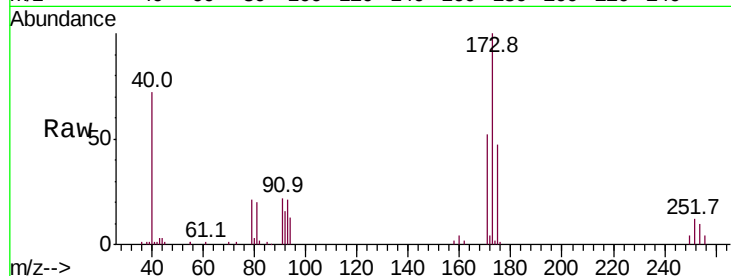
254 0.0 0.1 0.1#

Manual Integrations

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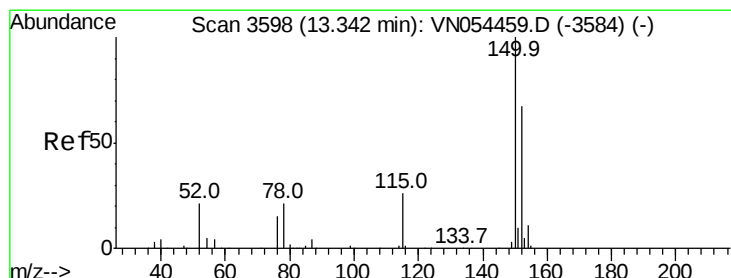
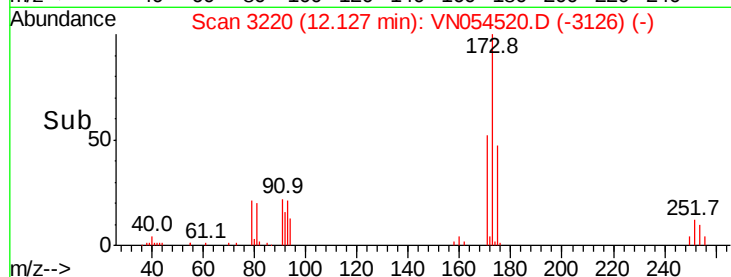
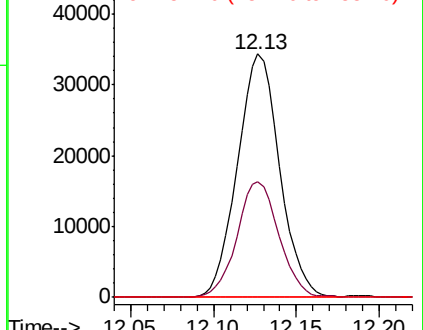
3/22/2019 4:15:37 PM



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: VN054520.D

Acq: 21 Mar 2019 19:22

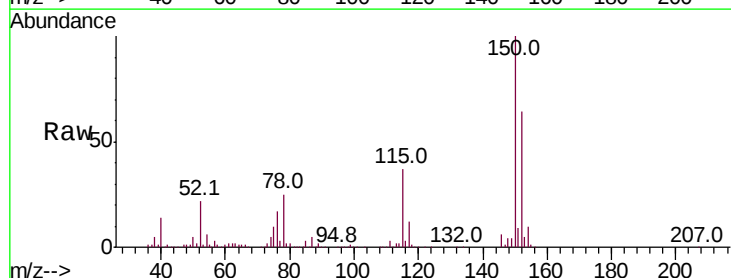
Tgt Ion:152 Resp: 284277

Ion Ratio Lower Upper

152 100

115 58.8 27.2 81.6

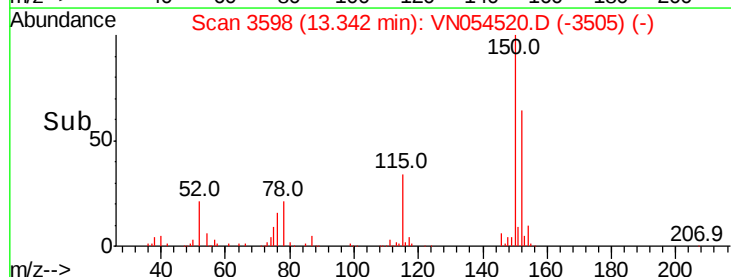
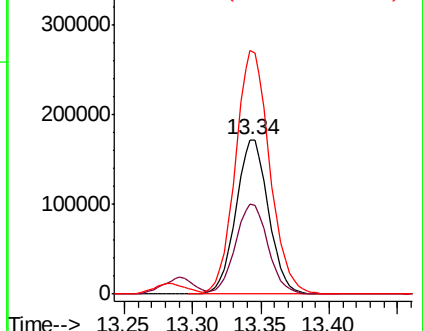
150 165.4 0.0 349.2

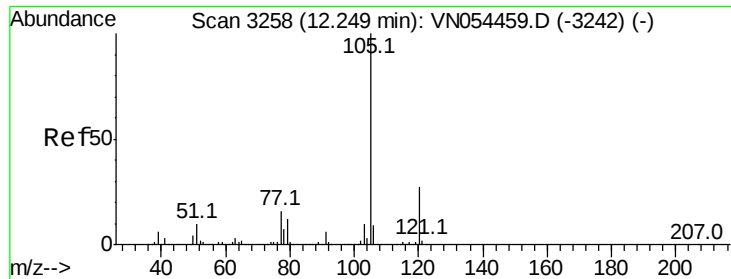


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





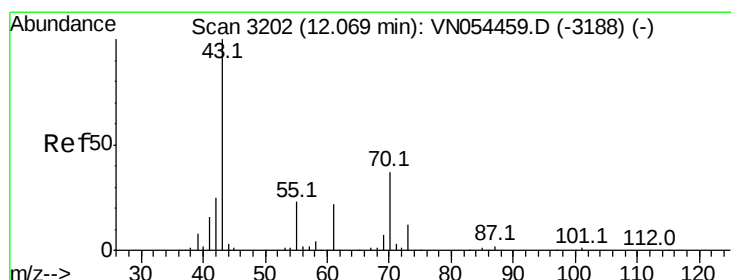
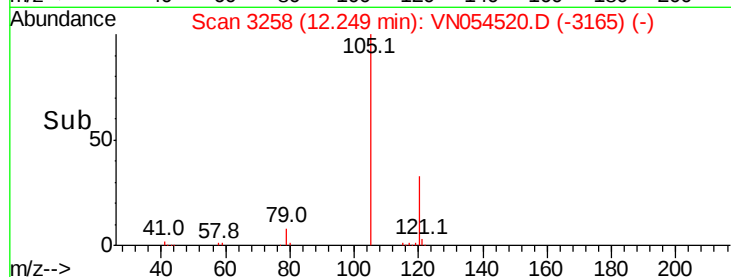
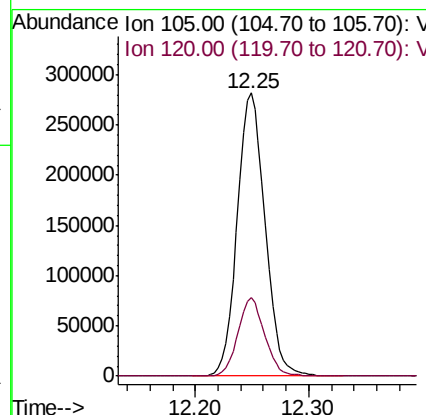
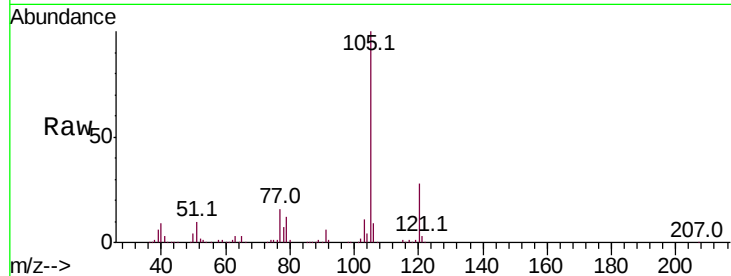
#73
Isopropylbenzene
Concen: 21.070 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.8	41.3

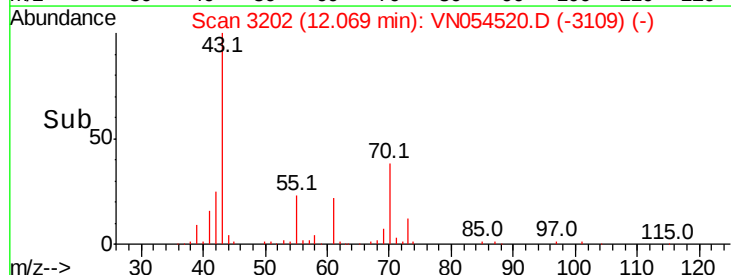
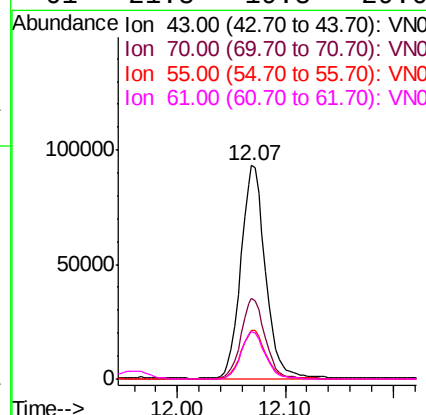
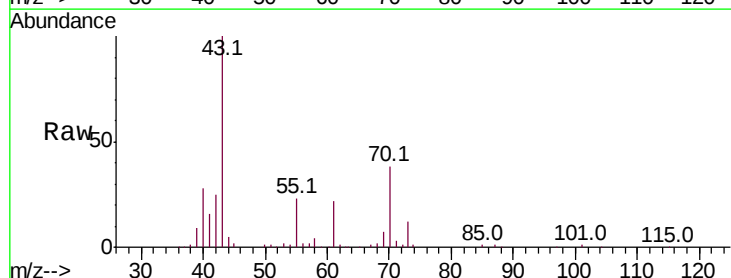
Manual Integrations
APPROVED

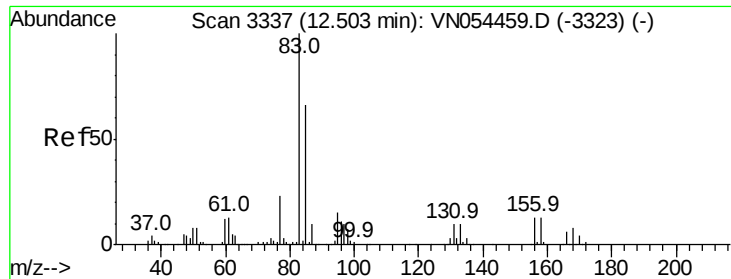
MMDadoda
3/22/2019 4:15:37 PM



#74
N-ethyl acetate
Concen: 22.520 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.0	35.4	53.0
55	23.3	19.8	29.6
61	21.8	19.8	29.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.663 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion: 83 Resp: 118512

Ion Ratio Lower Upper

83 100

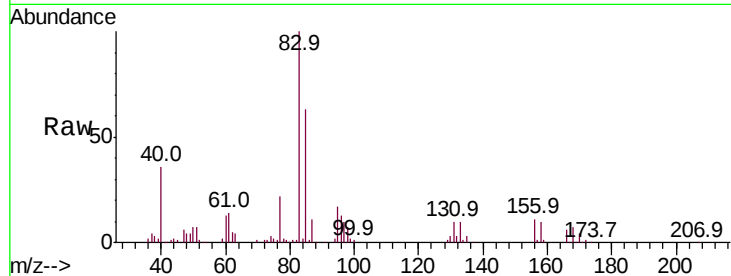
131 10.3 5.8 17.4

85 63.9 32.2 96.6

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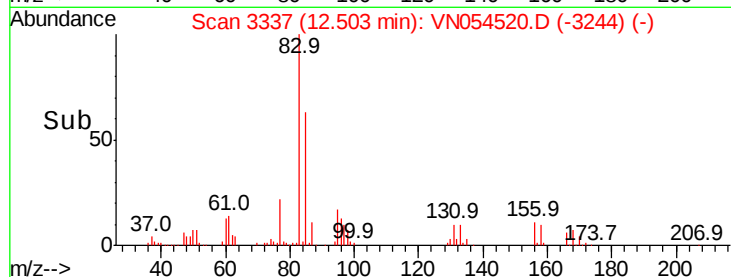


Abundance Ion 82.90 (82.60 to 83.60): VN054459.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN054459.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN054459.D (-3323) (-)

Time-->

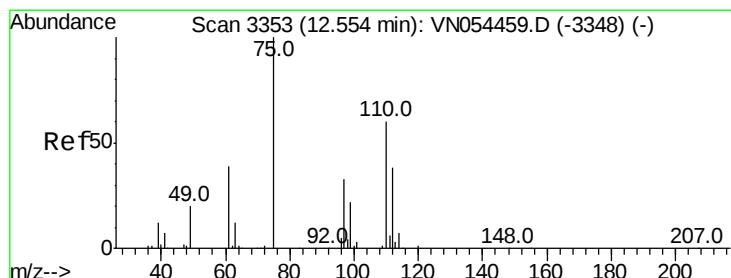


Abundance Ion 82.90 (82.60 to 83.60): VN054520.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN054520.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN054520.D (-3244) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.203 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN054520.D

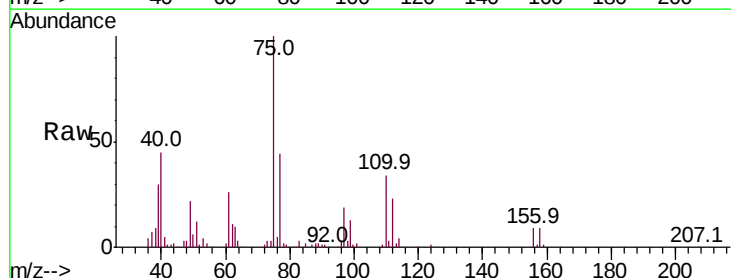
Acq: 21 Mar 2019 19:22

Tgt Ion: 75 Resp: 113693

Ion Ratio Lower Upper

75 100

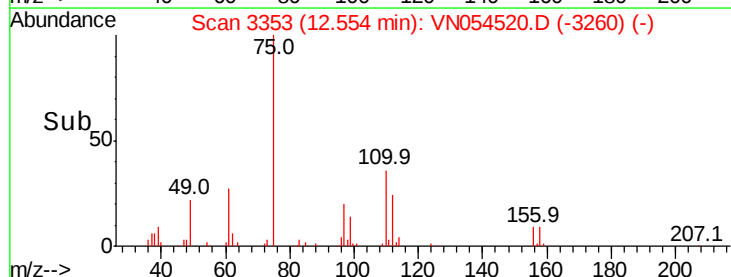
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN054459.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN054459.D (-3348) (-)

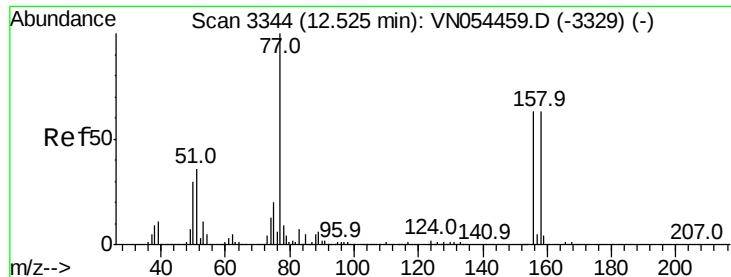
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN054520.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN054520.D (-3260) (-)

Time-->



#77

Bromobenzene

Concen: 21.308 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

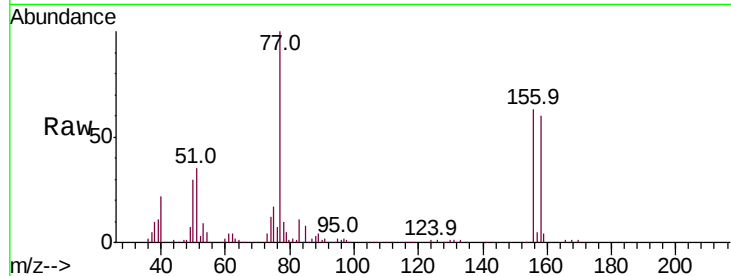
ClientSampleId :

VN0321WBSD01

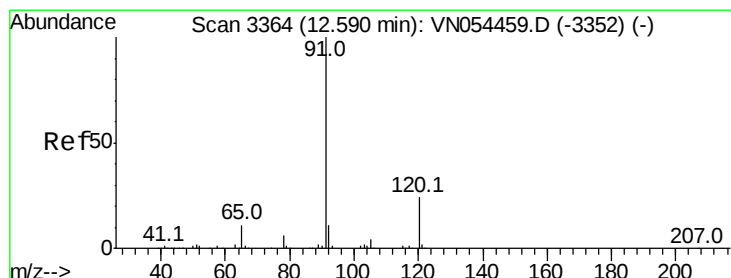
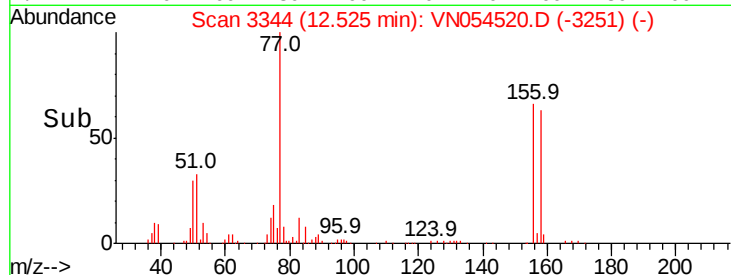
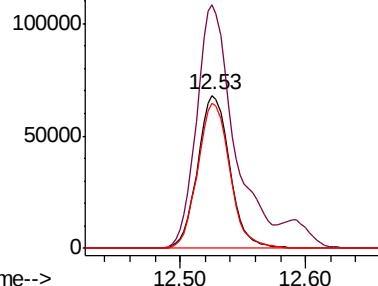
Tot Ion:	156	Resp:	121059
Ion Ratio	Lower	Upper	
156	100		
77	185.8	81.5	244.4
158	94.9	49.0	147.2

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.811 ug/l

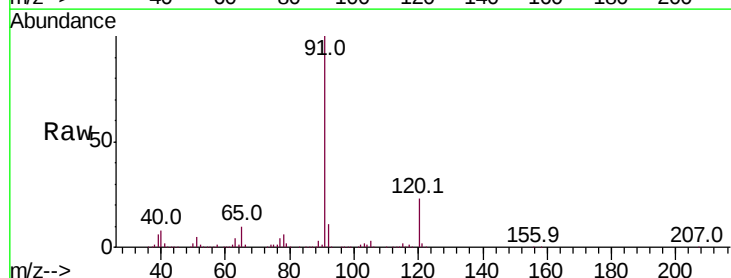
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

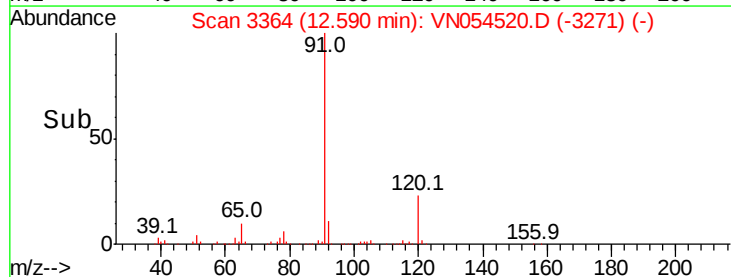
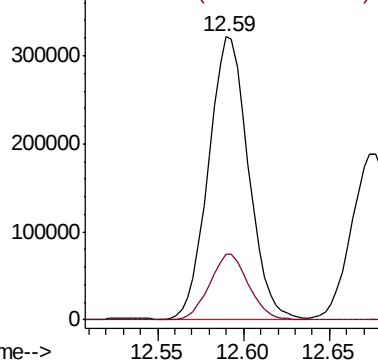
Lab File: VN054520.D

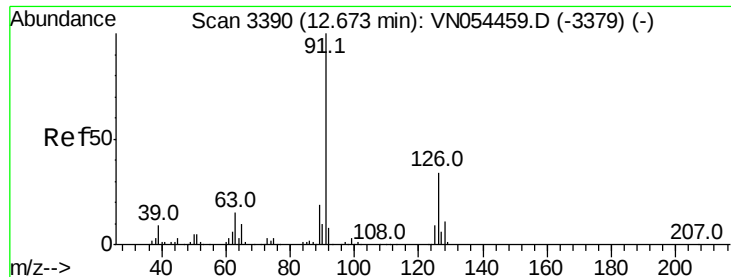
Acq: 21 Mar 2019 19:22

Tgt Ion:	91	Resp:	516941
Ion Ratio	Lower	Upper	
91	100		
120	22.8	12.3	36.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.782 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion: 91 Resp: 321923

Ion Ratio Lower Upper

91 100

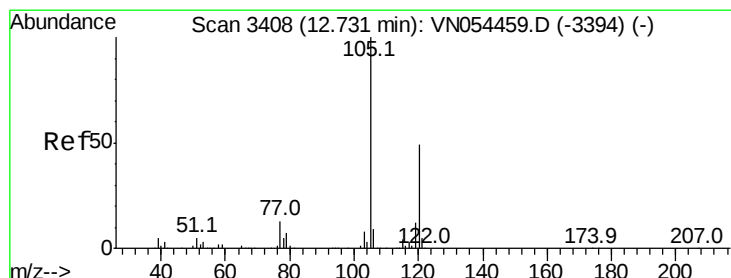
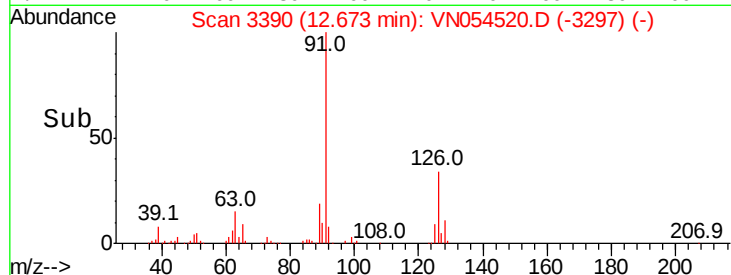
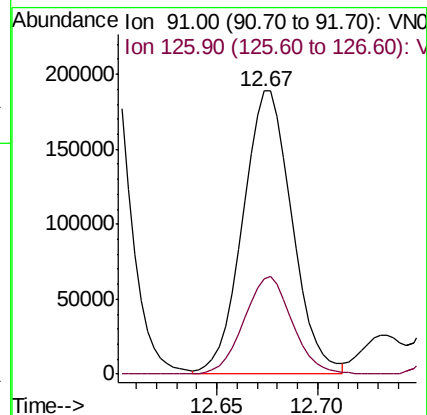
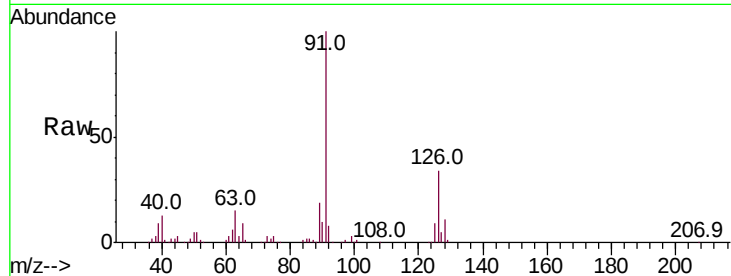
126 34.1 18.7 56.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.701 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054520.D

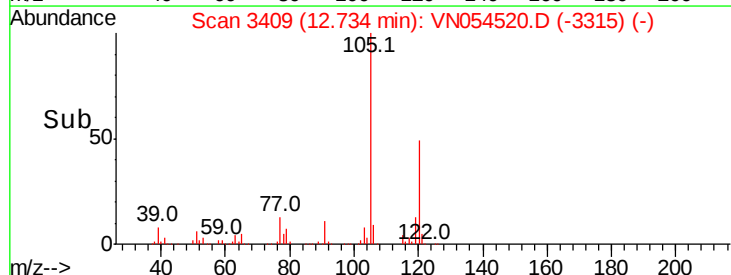
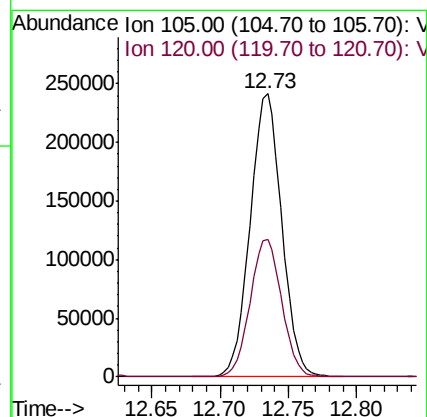
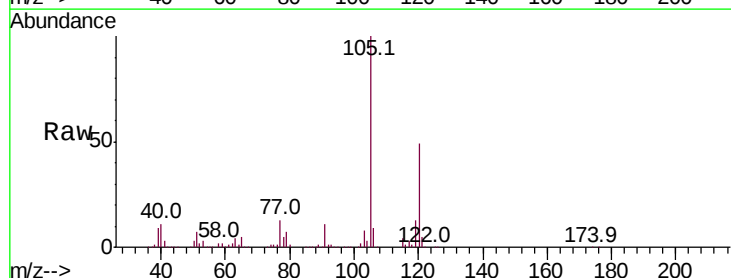
Acq: 21 Mar 2019 19:22

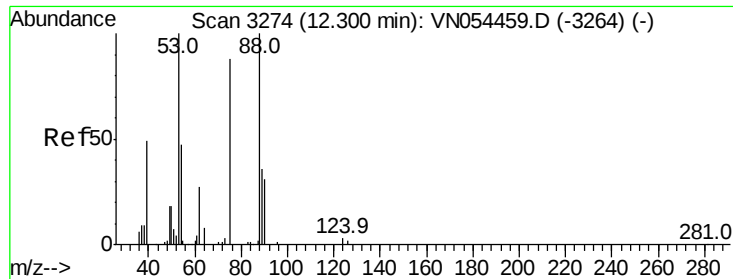
Tgt Ion: 105 Resp: 388659

Ion Ratio Lower Upper

105 100

120 48.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.342 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion: 75 Resp: 22592

Ion Ratio Lower Upper

75 100

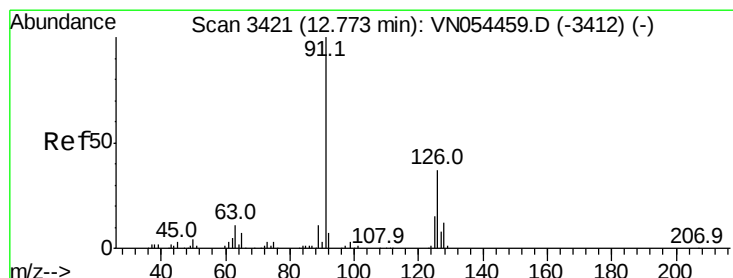
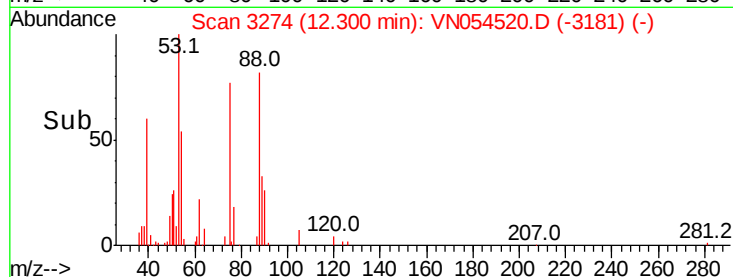
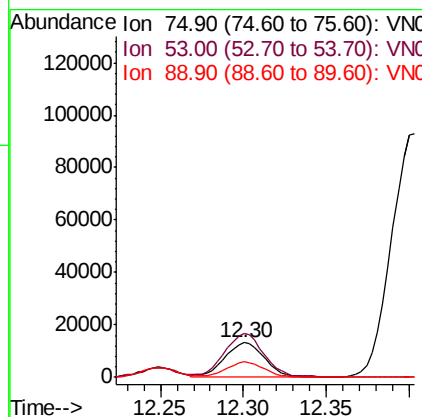
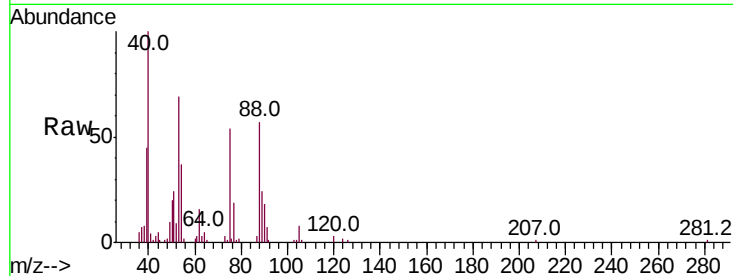
53 120.4 76.2 114.2#

89 41.8 39.2 58.8

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#82

4-Chlorotoluene

Concen: 20.680 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN054520.D

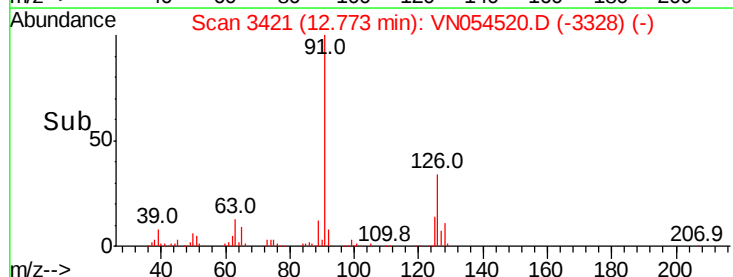
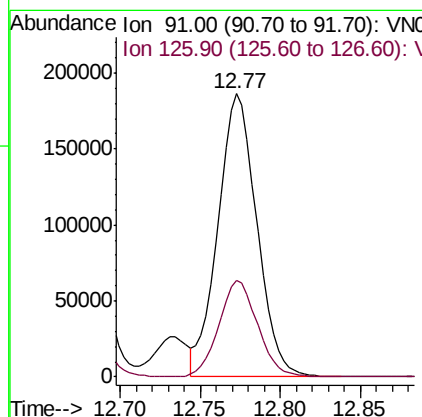
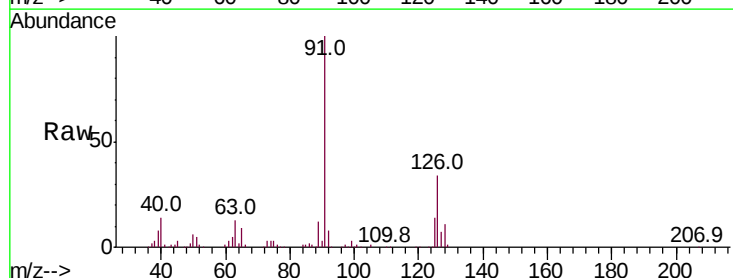
Acq: 21 Mar 2019 19:22

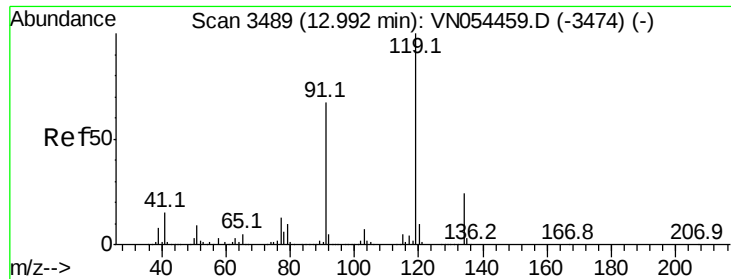
Tgt Ion: 91 Resp: 310507

Ion Ratio Lower Upper

91 100

126 33.9 18.1 54.1





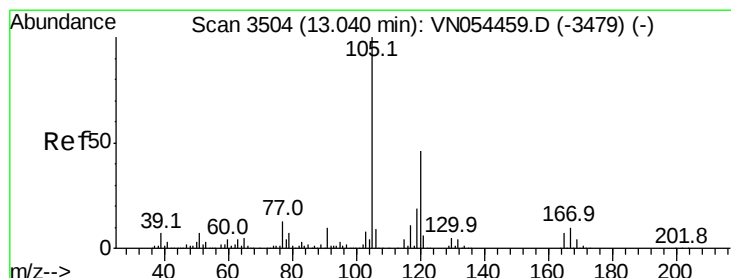
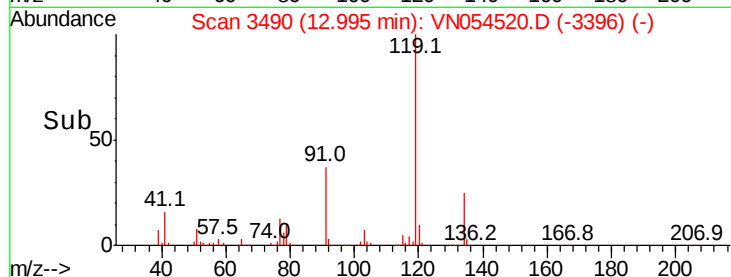
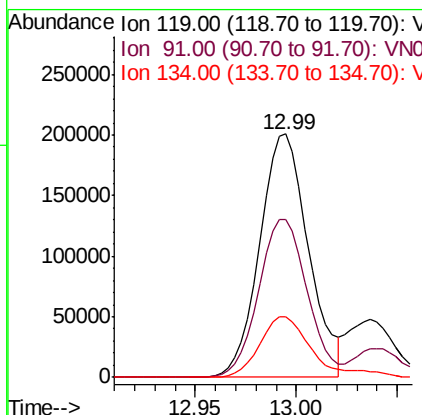
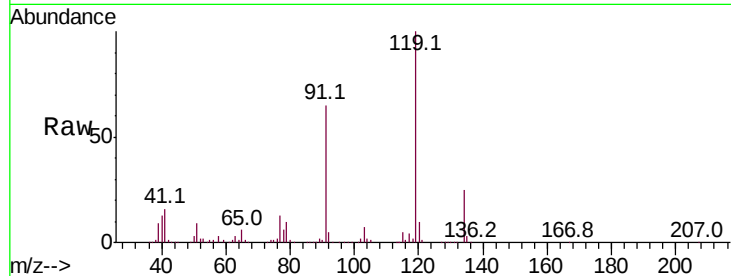
#83
 tert-Butylbenzene
 Concen: 20.709 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0321WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	30.9	92.8
134	27.0	13.2	39.6

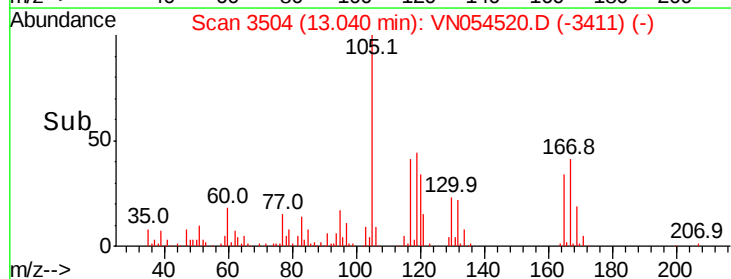
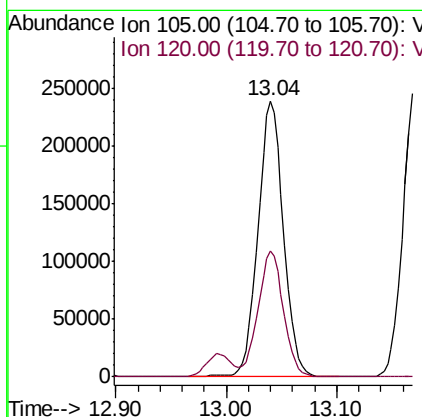
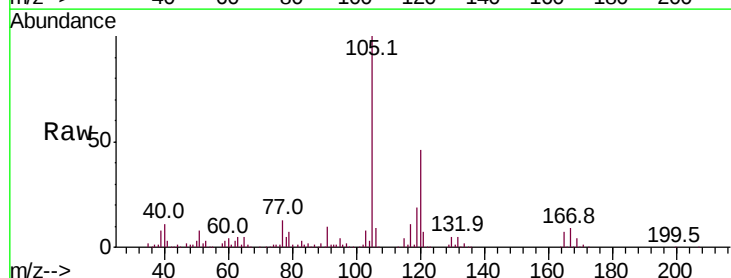
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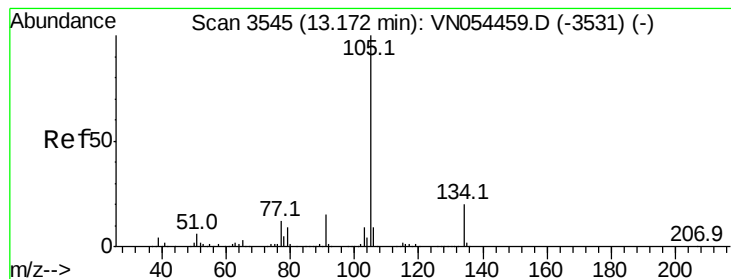
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.736 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.4	70.3





#85

sec-Butylbenzene

Concen: 20.777 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

ClientSampleId :

VN0321WBSD01

Tot Ion:105 Resp: 423276

Ion Ratio Lower Upper

105 100

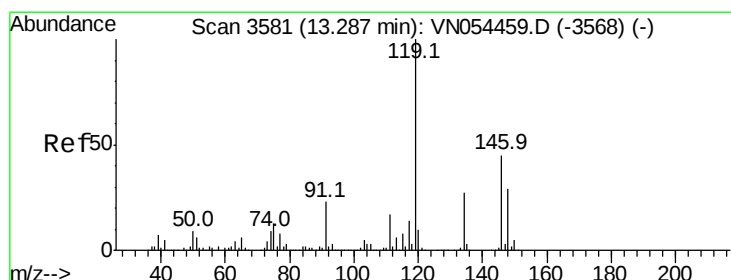
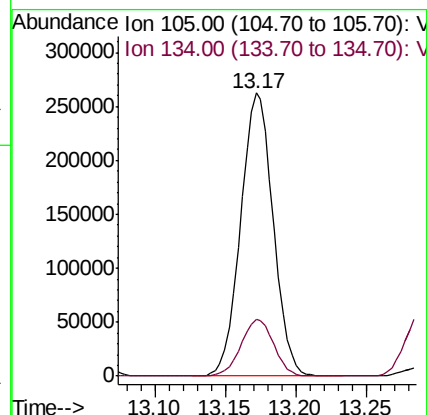
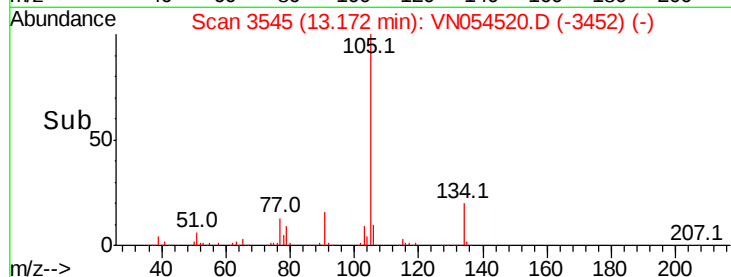
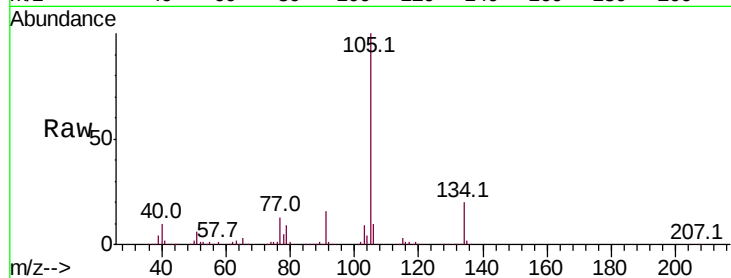
134 20.0 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 20.334 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

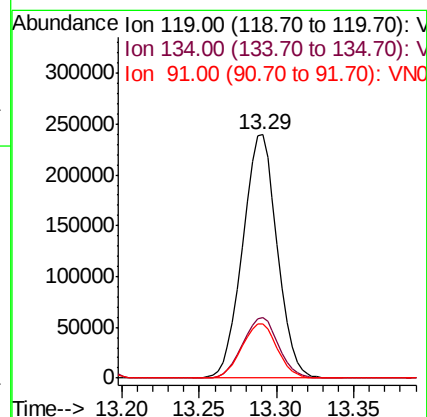
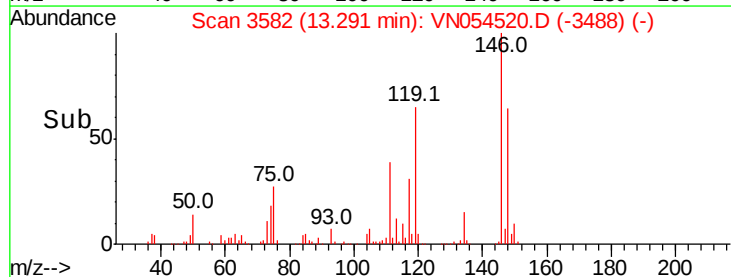
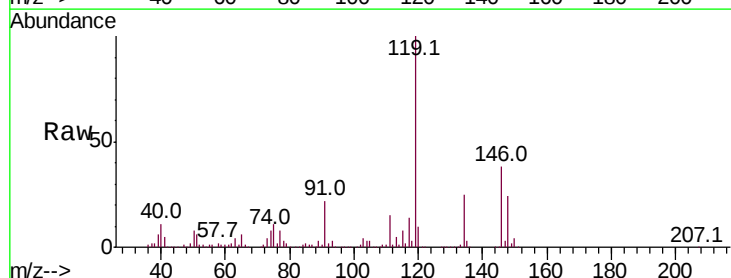
Tgt Ion:119 Resp: 370605

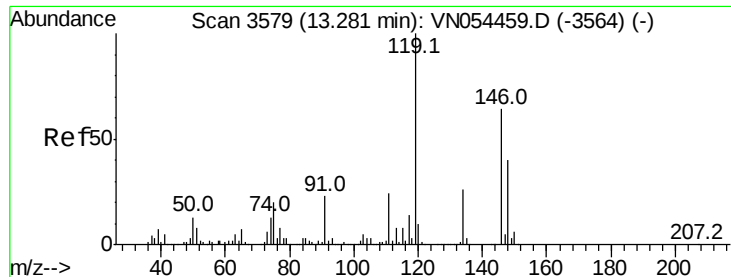
Ion Ratio Lower Upper

119 100

134 25.8 13.6 40.8

91 23.1 11.1 33.3





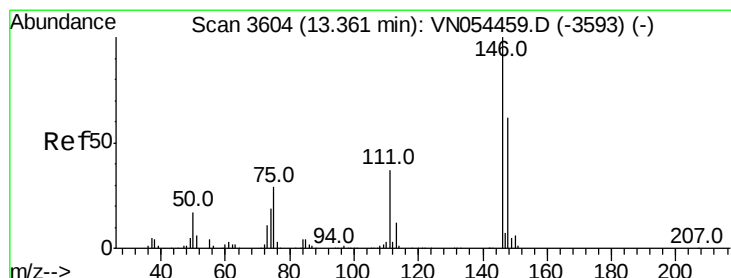
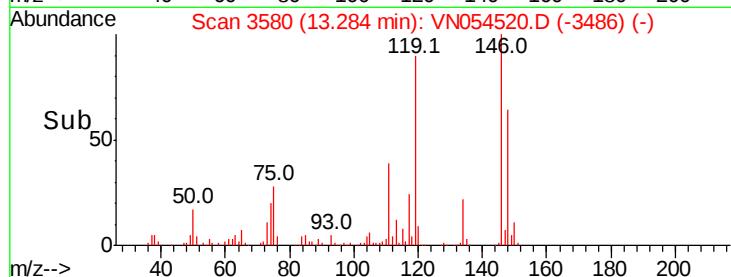
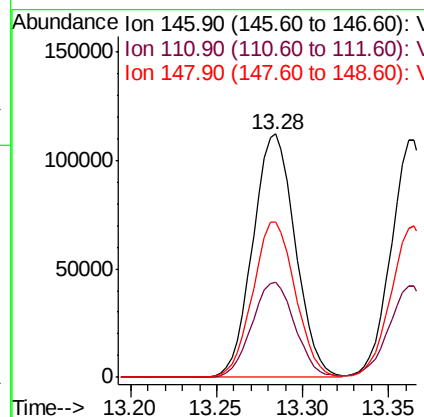
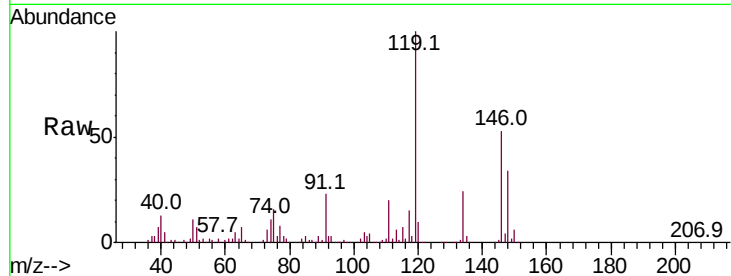
#87
 1,3-Dichlorobenzene
 Concen: 20.418 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0321WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	192236		
111	39.6	18.8	56.3	
148	63.9	32.2	96.6	

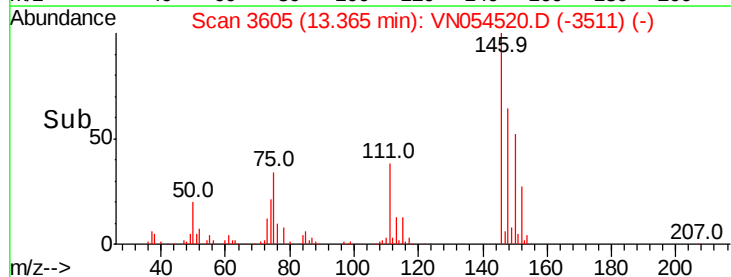
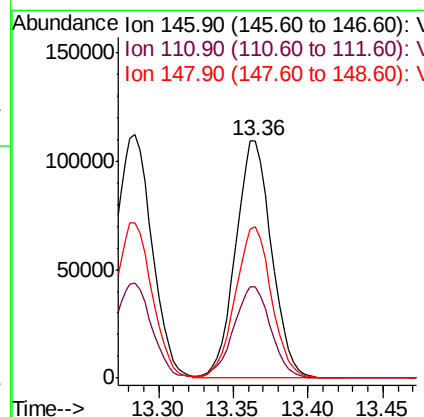
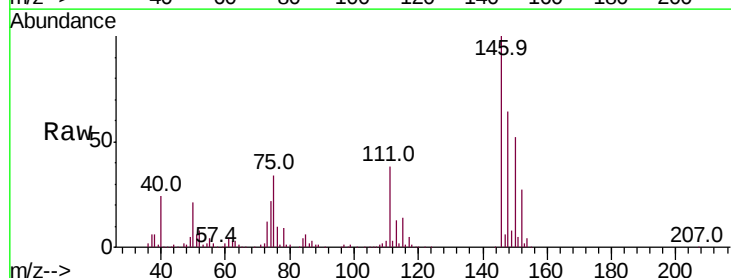
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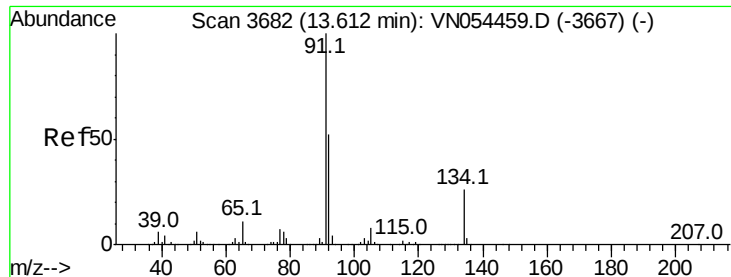
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#88
 1,4-Dichlorobenzene
 Concen: 20.029 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183479		
111	39.9	18.1	54.1	
148	64.2	32.0	96.0	





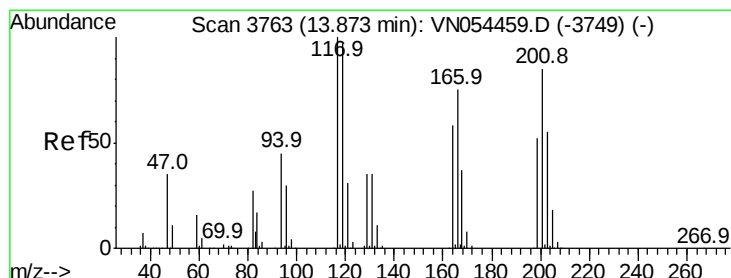
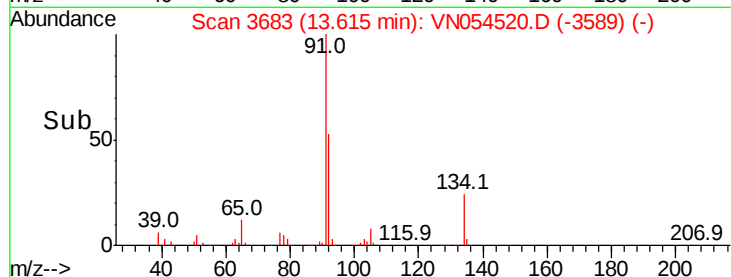
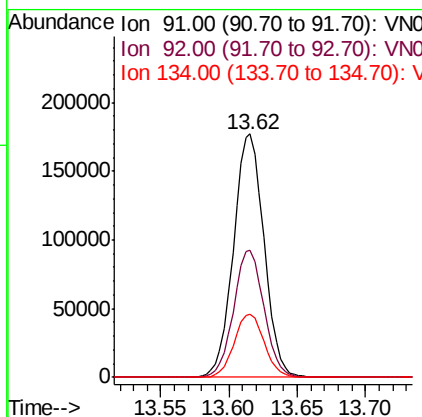
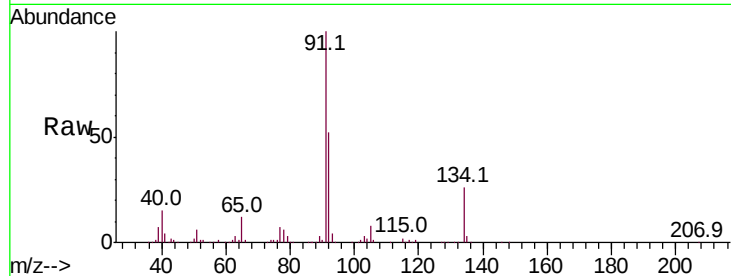
#89
n-Butylbenzene
Concen: 19.286 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Instrument :
MSVOA_N
ClientSampleId :
VN0321WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.2	78.6
134	25.7	14.3	42.9

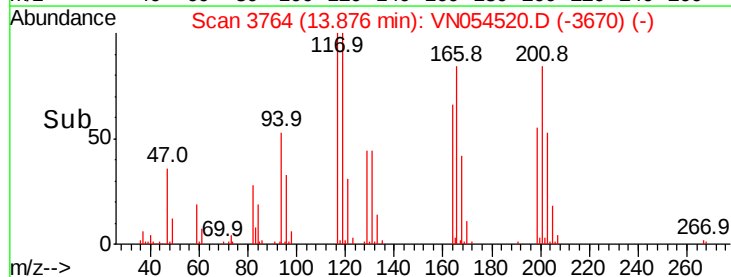
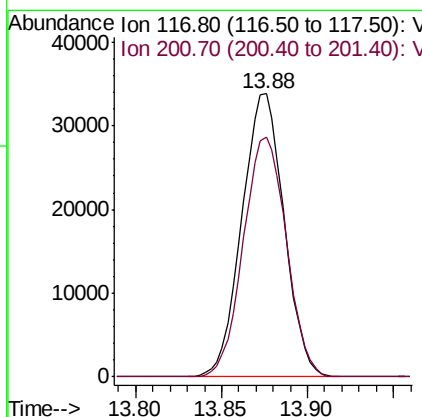
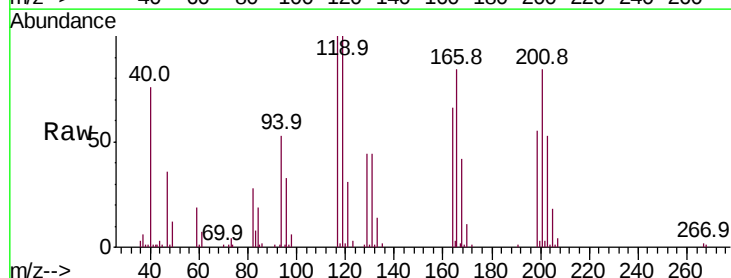
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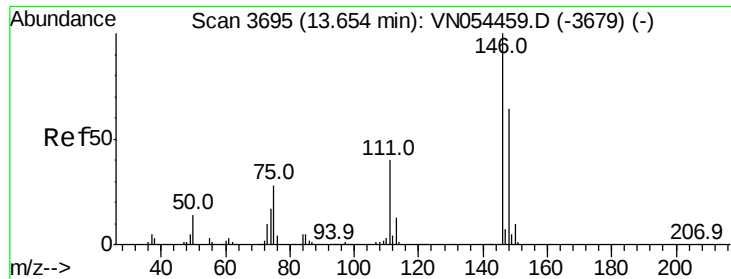
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#90
Hexachloroethane
Concen: 20.414 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054520.D
Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	48.1	144.4





#91

1,2-Dichlorobenzene

Concen: 20.961 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

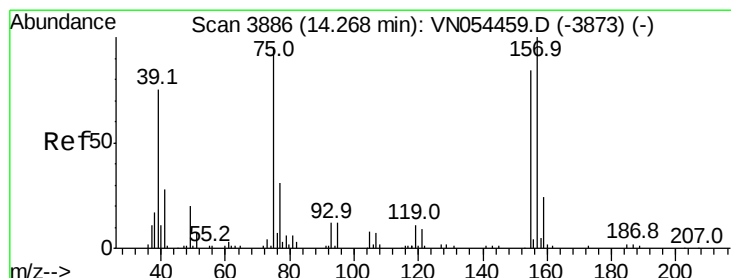
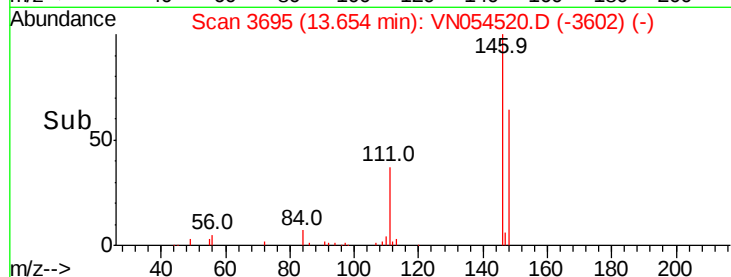
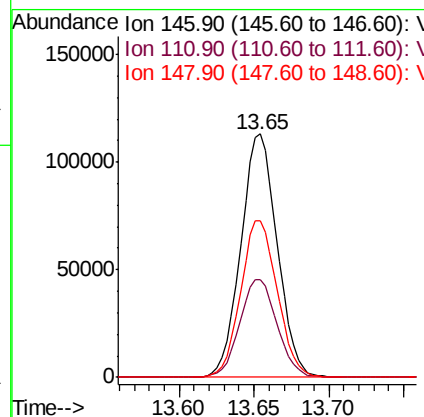
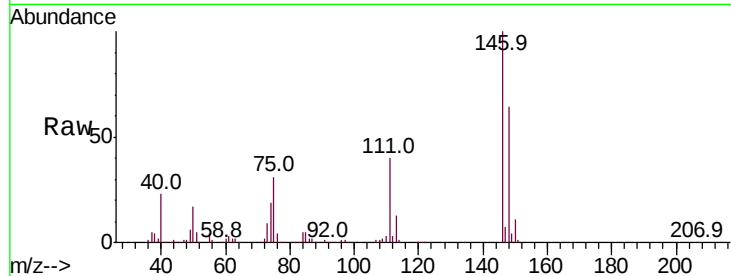
ClientSampleId :

VN0321WBSD01

Tot Ion:	146	Resp:	191147
Ion Ratio	Lower	Upper	
146	100		
111	41.2	19.1	57.3
148	64.8	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.374 ug/l

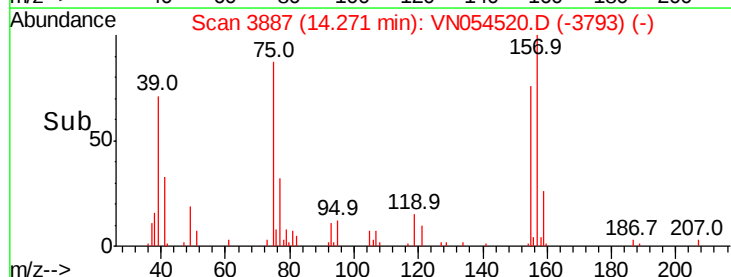
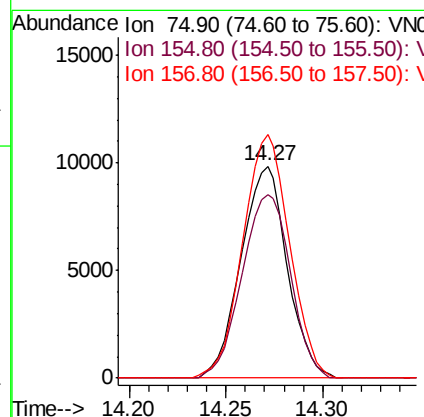
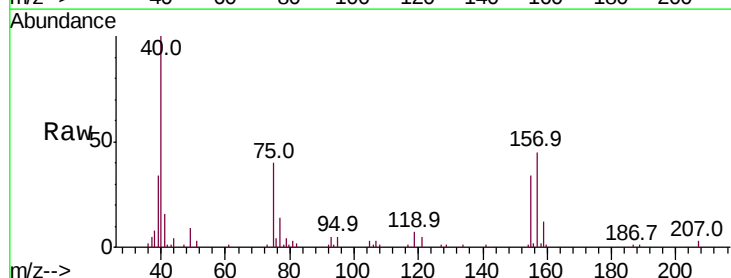
RT: 14.27 min Scan# 3887

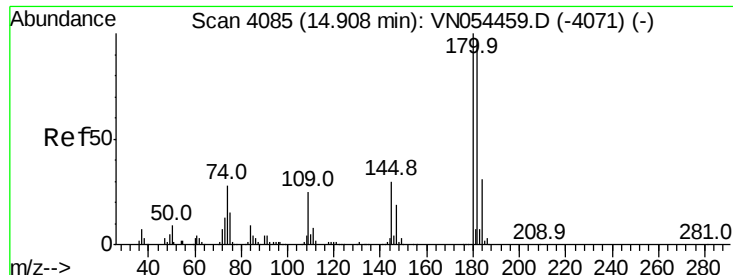
Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Tgt Ion:	75	Resp:	16394
Ion Ratio	Lower	Upper	
75	100		
155	90.6	50.1	150.3
157	116.4	63.1	189.3





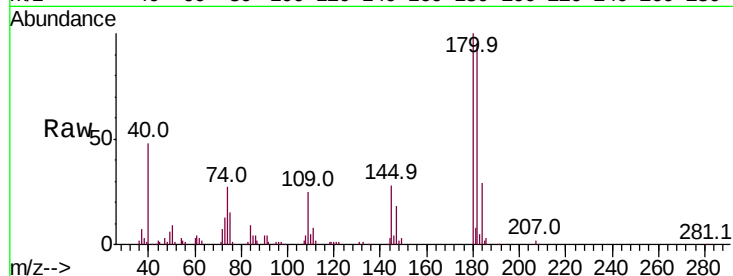
#93
 1,2,4-Trichlorobenzene
 Concen: 18.891 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Instrument :
 MSVOA_N
 ClientSampled :
 VN0321WBSD01

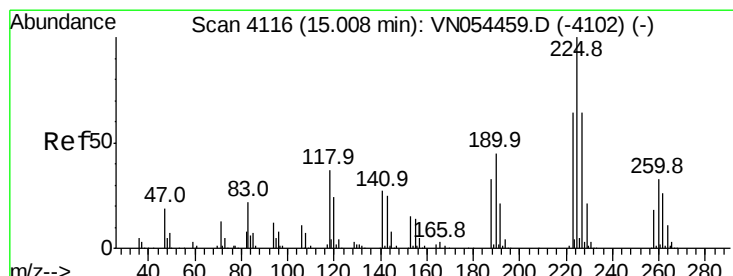
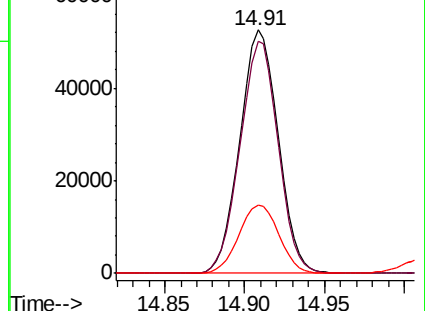
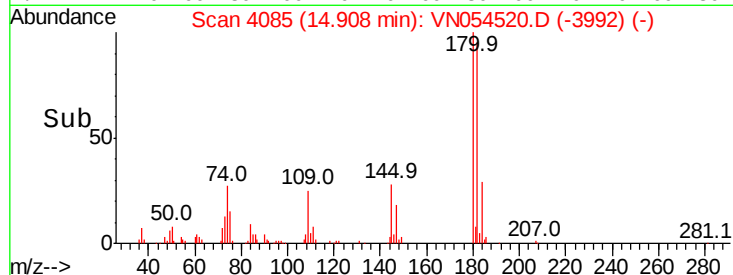
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.5	48.0	144.2	
145	29.2	14.2	42.8	

Manual Integrations
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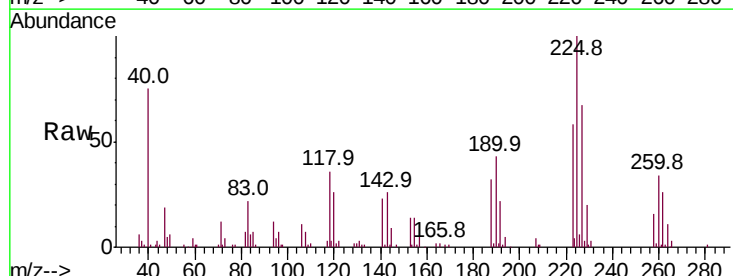


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

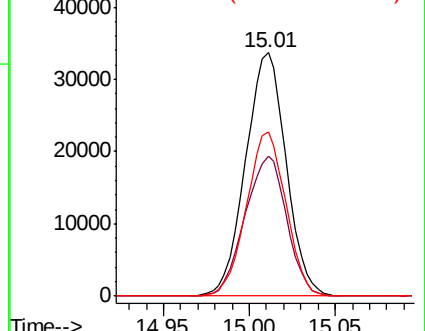
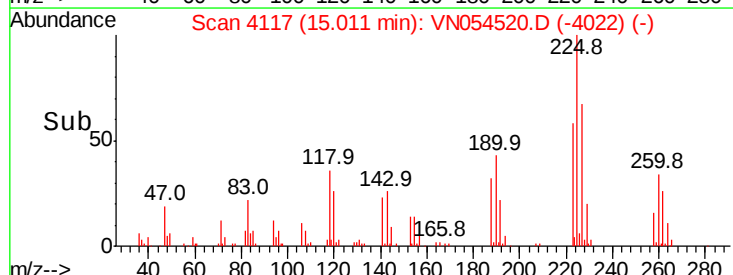


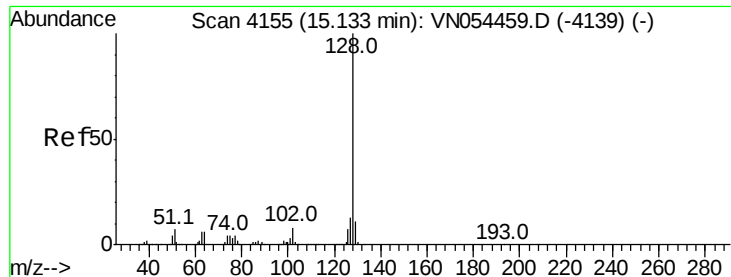
#94
 Hexachlorobutadiene
 Concen: 20.143 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054520.D
 Acq: 21 Mar 2019 19:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.0	31.1	93.5	
227	65.5	31.9	95.9	



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





#95

Naphthalene

Concen: 19.590 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Instrument :

MSVOA_N

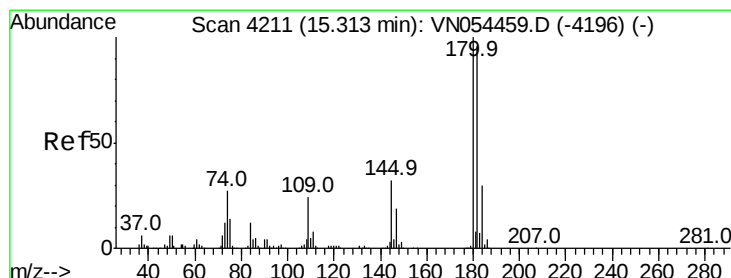
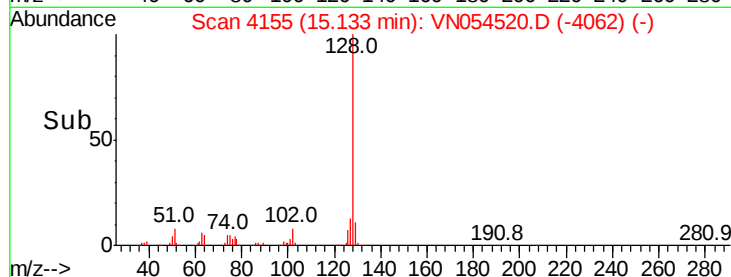
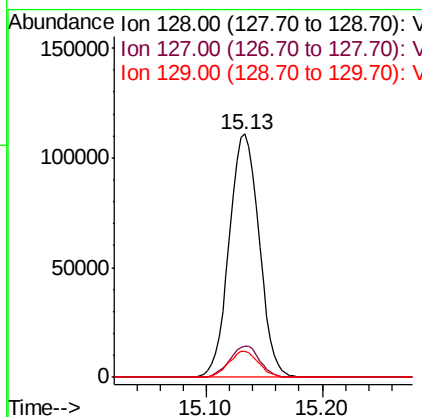
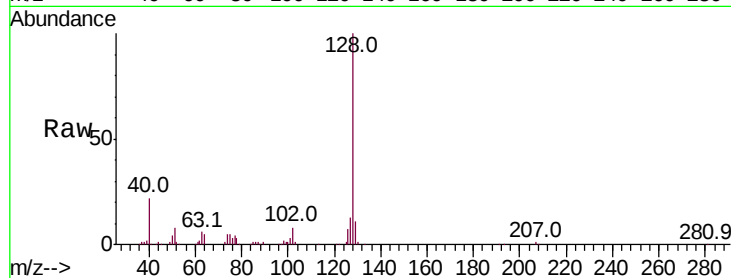
ClientSampleId :

VN0321WBSD01

Tot Ion:	128	Resp:	198641
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.1	15.1
129	10.7	8.7	13.1

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.070 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054520.D

Acq: 21 Mar 2019 19:22

Tgt Ion:	180	Resp:	86281
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.5	142.6
145	32.0	14.8	44.3

