

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032019\
 Data File : VN054482.D
 Acq On : 21 Mar 2019 00:43
 Operator : JC/SP
 Sample : VN0320WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 3:51:19 PM

Quant Time: Mar 22 05:46:44 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	7.66	168	520168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	860786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	745509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	317153	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	353087	54.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.14%	
35) Dibromofluoromethane	7.59	113	285767	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.09	98	1072170	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.40	95	360645	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	109032	21.926	ug/l	99
3) Chloromethane	2.06	50	153193	22.642	ug/l	99
4) Vinyl Chloride	2.19	62	146171	21.519	ug/l	100
5) Bromomethane	2.57	94	89258	20.321	ug/l	93
6) Chloroethane	2.71	64	82794	20.321	ug/l	100
7) Trichlorofluoromethane	3.02	101	169712	20.573	ug/l	99
8) Diethyl Ether	3.41	74	64611	20.365	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.75	101	94670	19.527	ug/l	95
10) Methyl Iodide	3.94	142	141445	19.834	ug/l	95
11) Tert butyl alcohol	4.83	59	43308	110.561	ug/l #	92
12) 1,1-Dichloroethene	3.73	96	100498	20.031	ug/l #	82
13) Acrolein	3.61	56	47836	88.492	ug/l	100
14) Allyl chloride	4.32	41	198691	21.031	ug/l #	92
15) Acrylonitrile	5.00	53	218256	111.887	ug/l	99
16) Acetone	3.82	43	162506	83.541	ug/l #	85
17) Carbon Disulfide	4.04	76	259826	19.328	ug/l	99
18) Methyl Acetate	4.33	43	94498	21.795	ug/l	91
19) Methyl tert-butyl Ether	5.05	73	325576	22.235	ug/l	94
20) Methylene Chloride	4.55	84	124295	21.676	ug/l	87
21) trans-1,2-Dichloroethene	5.04	96	111013	21.669	ug/l	87
22) Diisopropyl ether	5.96	45	417979	22.429	ug/l #	96
23) Vinyl Acetate	5.90	43	1467784	111.520	ug/l #	93
24) 1,1-Dichloroethane	5.85	63	223339	22.258	ug/l	99
25) 2-Butanone	6.85	43	263661	105.810	ug/l	92
26) 2,2-Dichloropropane	6.82	77	121511	16.988	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	130895	21.420	ug/l	90
28) Bromochloromethane	7.19	49	103820	21.021	ug/l #	77
29) Tetrahydrofuran	7.22	42	189579	117.239	ug/l #	85
30) Chloroform	7.37	83	216351	22.094	ug/l	99
31) Cyclohexane	7.65	56	215295	21.328	ug/l	90
32) 1,1,1-Trichloroethane	7.57	97	179283	22.192	ug/l	96
36) 1,1-Dichloropropene	7.79	75	159011	19.757	ug/l	98
37) Ethyl Acetate	6.94	43	123177	21.518	ug/l	96
38) Carbon Tetrachloride	7.77	117	152833	19.541	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	182601	19.834	ug/l	90
40) Benzene	8.04	78	481407	20.917	ug/l	99
41) Methacrylonitrile	7.18	41	66021	18.912	ug/l	89
42) 1,2-Dichloroethane	8.13	62	172999	20.641	ug/l	98
43) Isopropyl Acetate	8.17	43	205202	21.226	ug/l #	95
44) Trichloroethene	8.83	130	130062	20.327	ug/l	94
45) 1,2-Dichloropropane	9.12	63	131613	21.297	ug/l	98
46) Dibromomethane	9.21	93	78239	21.221	ug/l	92
47) Bromodichloromethane	9.40	83	156718	20.482	ug/l	100
48) Methyl methacrylate	9.20	41	109582	20.884	ug/l	88
49) 1,4-Dioxane	9.21	88	24997	426.130	ug/l	89
51) 4-Methyl-2-Pentanone	9.99	43	582352	108.693	ug/l	94
52) Toluene	10.16	92	290099	20.494	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	136717	18.414	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	177225	20.201	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	106617	20.953	ug/l	95
56) Ethyl methacrylate	10.43	69	142229	20.826	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	186701	21.108	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	283726	100.890	ug/l	91
59) 2-Hexanone	10.75	43	366537	104.735	ug/l	93
60) Dibromochloromethane	10.90	129	107149	19.790	ug/l	98
61) 1,2-Dibromoethane	11.01	107	104701	20.814	ug/l	98
64) Tetrachloroethene	10.63	164	127388	20.601	ug/l	95
65) Chlorobenzene	11.43	112	307915	20.307	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	114092	20.964	ug/l	98
67) Ethyl Benzene	11.51	91	544560	20.332	ug/l	98
68) m/p-Xylenes	11.62	106	406525	40.071	ug/l	98
69) o-Xylene	11.95	106	199643	20.150	ug/l	96
70) Styrene	11.96	104	328261	20.402	ug/l	98
71) Bromoform	12.13	173	64715	18.702	ug/l #	99
73) Isopropylbenzene	12.25	105	531684	20.804	ug/l	99
74) N-amyl acetate	12.07	43	164335	22.363	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	127613	21.874	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	122810m	24.402	ug/l	
77) Bromobenzene	12.53	156	131681	20.775	ug/l	90
78) n-propylbenzene	12.59	91	574421	20.728	ug/l	97
79) 2-Chlorotoluene	12.67	91	354694	20.524	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	433149	20.679	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21957	17.258	ug/l #	74
82) 4-Chlorotoluene	12.77	91	347309	20.733	ug/l	97
83) tert-Butylbenzene	12.99	119	389395	21.357	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	428260	20.837	ug/l	99
85) sec-Butylbenzene	13.17	105	484869	21.333	ug/l	97
86) p-Isopropyltoluene	13.29	119	424542	20.878	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	214000	20.374	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	207826	20.336	ug/l	97
89) n-Butylbenzene	13.62	91	328453	20.658	ug/l	98
90) Hexachloroethane	13.88	117	63707	20.184	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	217558	21.384	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18099	21.151	ug/l	85

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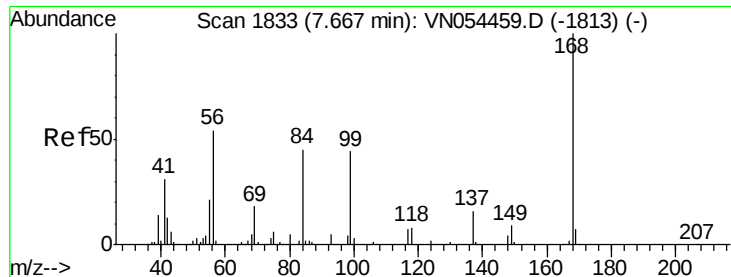
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	106702	21.038	ug/l	99
94) Hexachlorobutadiene	15.01	225	67164	22.191	ug/l	98
95) Naphthalene	15.13	128	245296	21.683	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	109080	21.609	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion:168 Resp: 520168

Ion Ratio Lower Upper

168 100

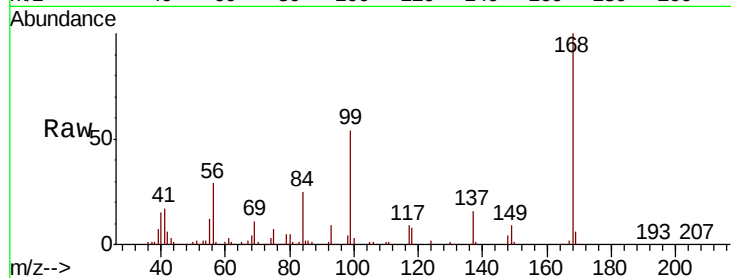
99 52.4 37.1 55.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

150000

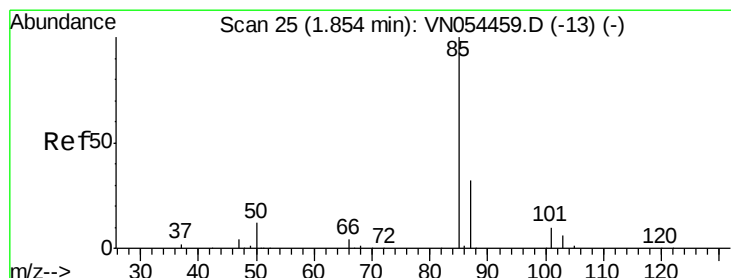
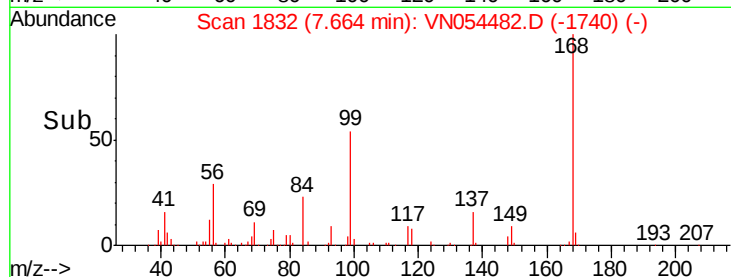
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 21.926 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN054482.D

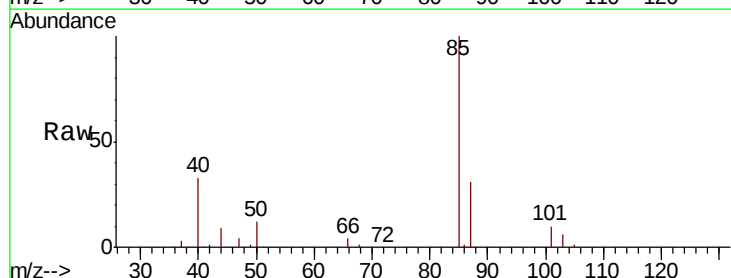
Acq: 21 Mar 2019 00:43

Tgt Ion: 85 Resp: 109032

Ion Ratio Lower Upper

85 100

87 31.3 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

80000

60000

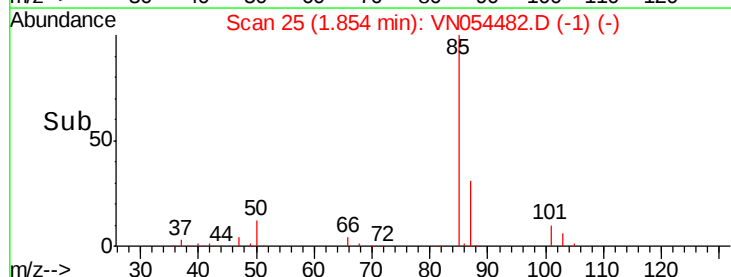
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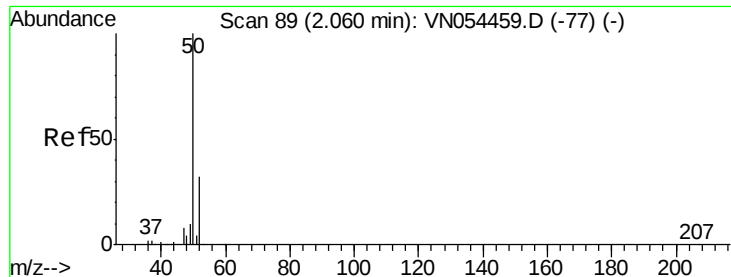
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 22.642 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion: 50 Resp: 153193

Ion Ratio Lower Upper

50 100

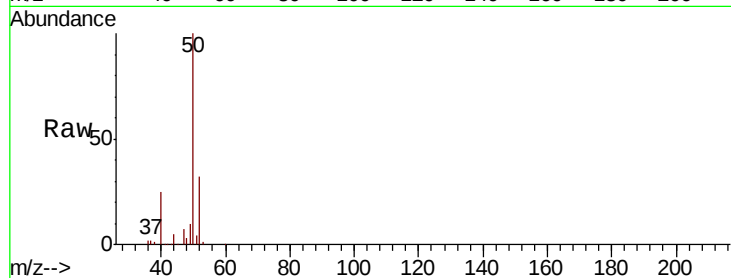
52 32.2 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

120000

100000

80000

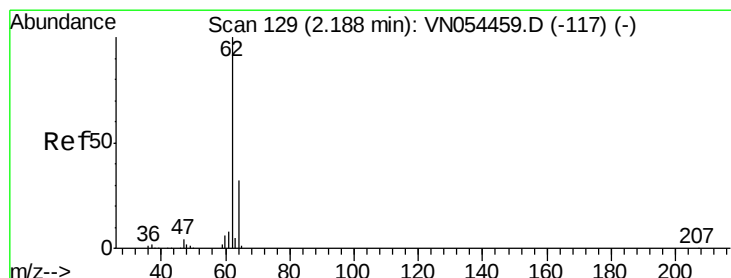
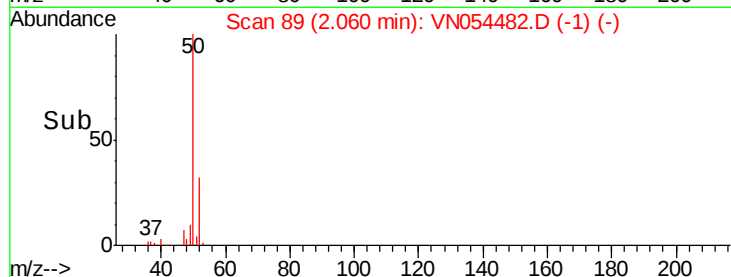
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 21.519 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054482.D

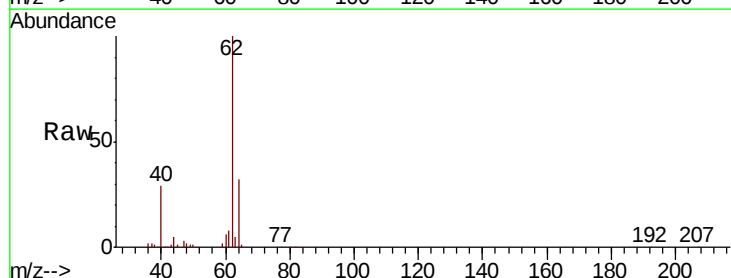
Acq: 21 Mar 2019 00:43

Tgt Ion: 62 Resp: 146171

Ion Ratio Lower Upper

62 100

64 31.7 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.19

100000

80000

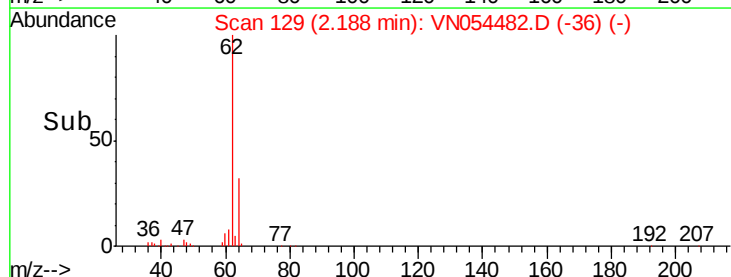
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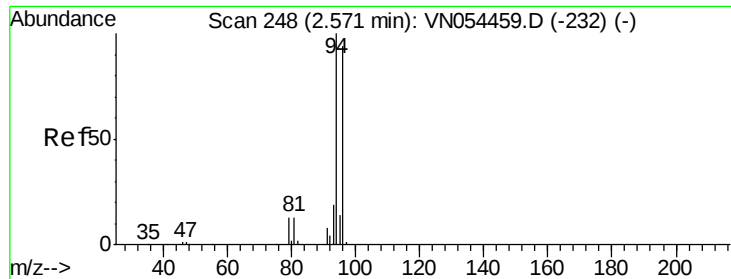
40000

20000

0

Time-->





#5

Bromomethane

Concen: 20.321 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion: 94 Resp: 89258

Ion Ratio Lower Upper

94 100

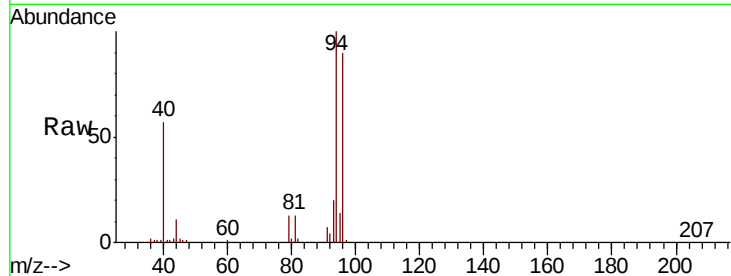
96 89.8 77.0 115.4

Manual Integrations

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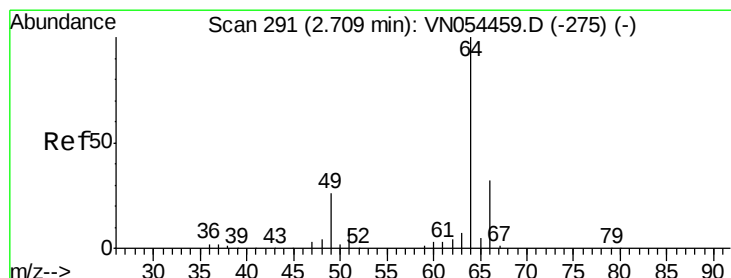
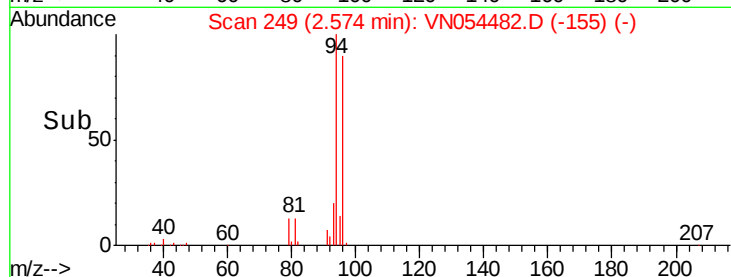
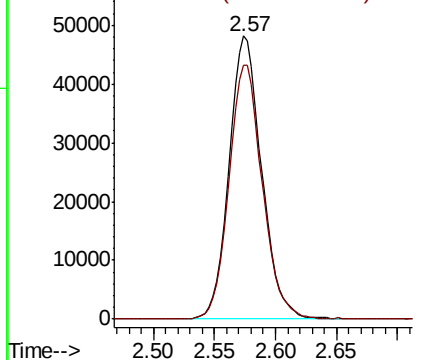
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3/22/2019 3:51:19 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.321 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN054482.D

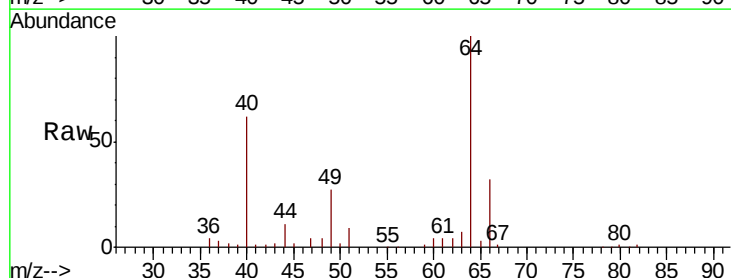
Acq: 21 Mar 2019 00:43

Tgt Ion: 64 Resp: 82794

Ion Ratio Lower Upper

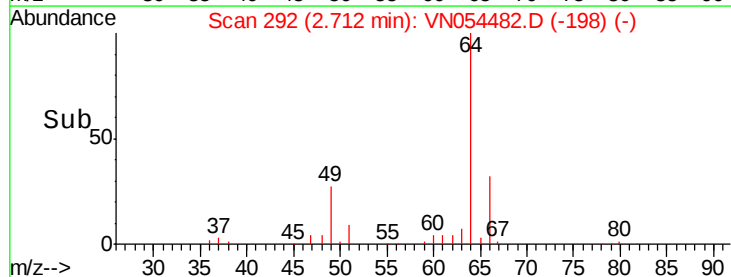
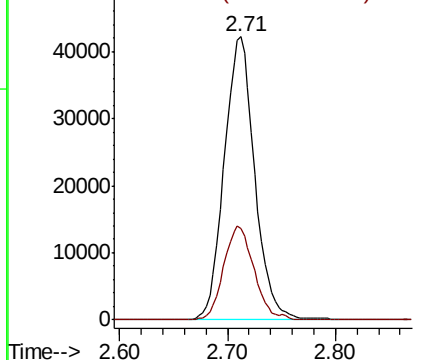
64 100

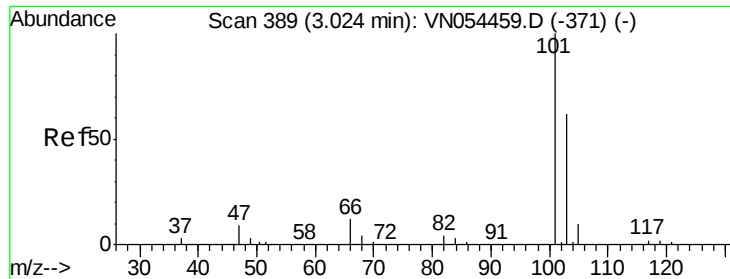
66 32.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

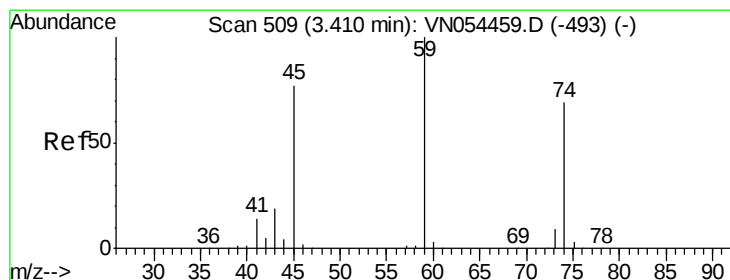
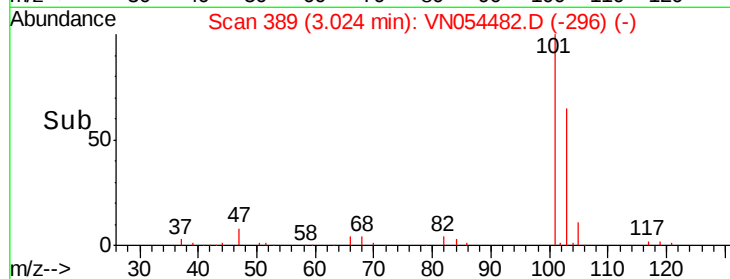
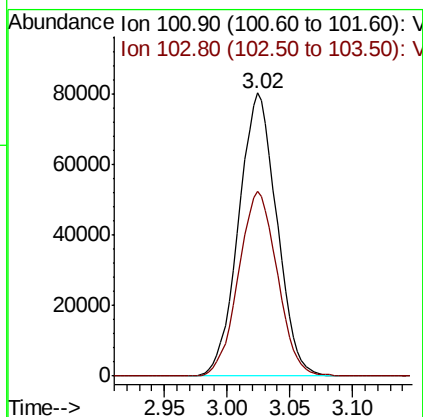
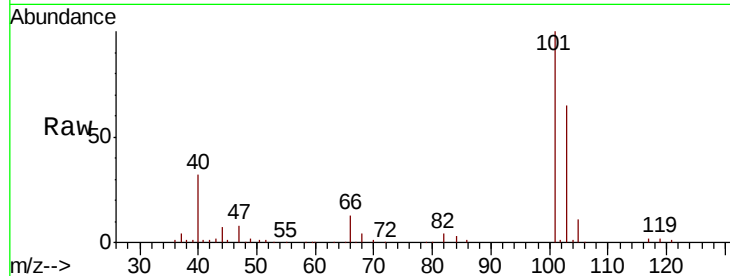
Trichlorofluoromethane
Concen: 20.573 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.4	77.2

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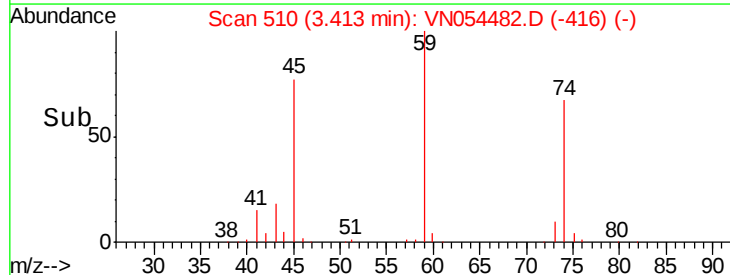
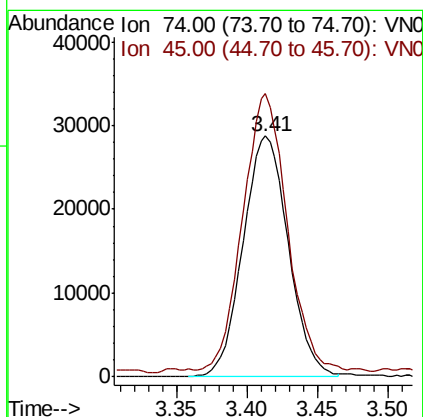
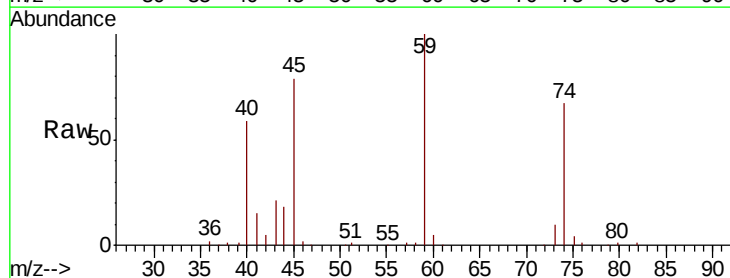
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3/22/2019 3:51:19 PM

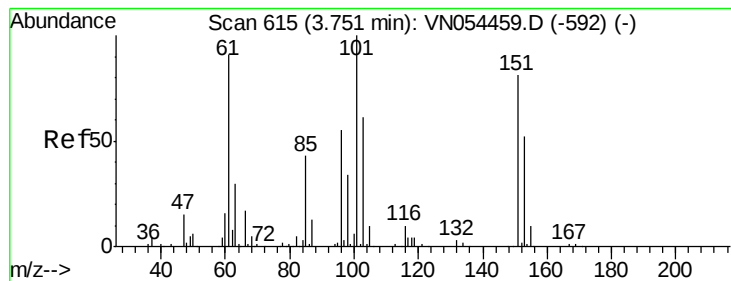


#8

Diethyl Ether
Concen: 20.365 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.5	43.1	129.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.527 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion:101 Resp: 94670

Ion Ratio Lower Upper

101 100

85 44.6 32.4 48.6

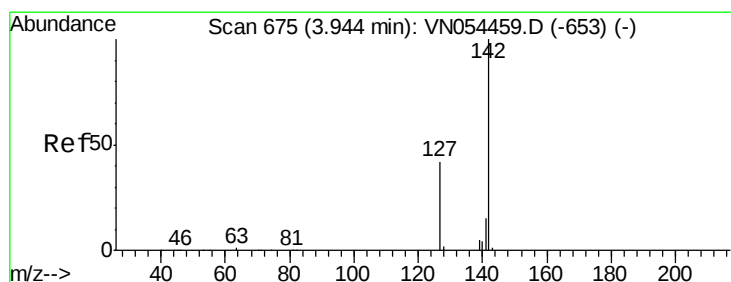
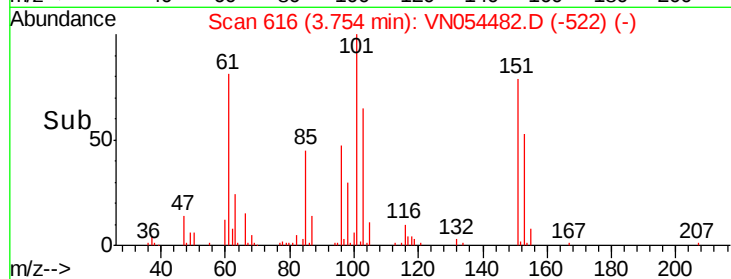
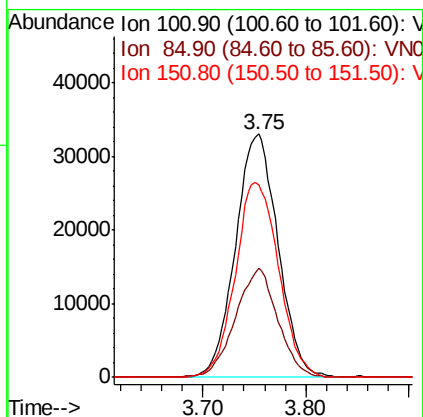
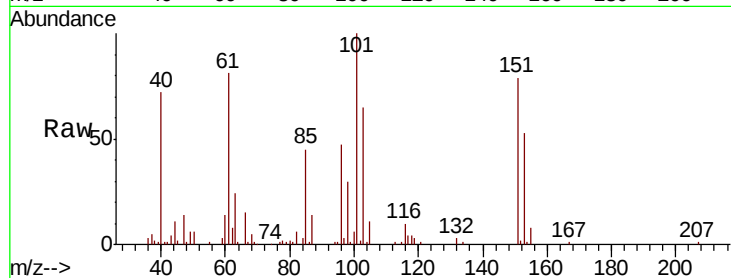
151 81.6 68.2 102.2

Manual Integrations

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MMDadoda

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#10

Methyl Iodide

Concen: 19.834 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

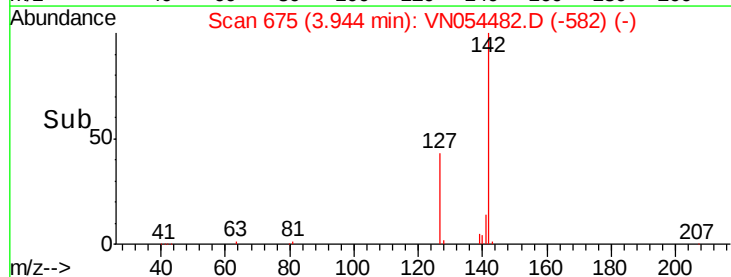
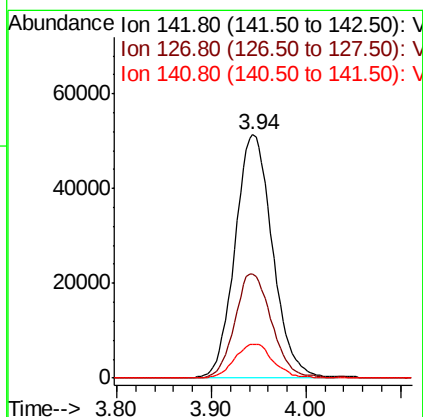
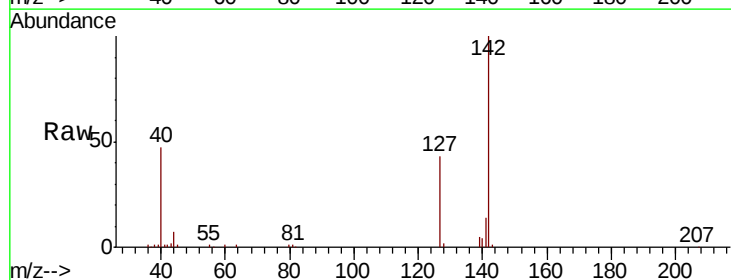
Tgt Ion:142 Resp: 141445

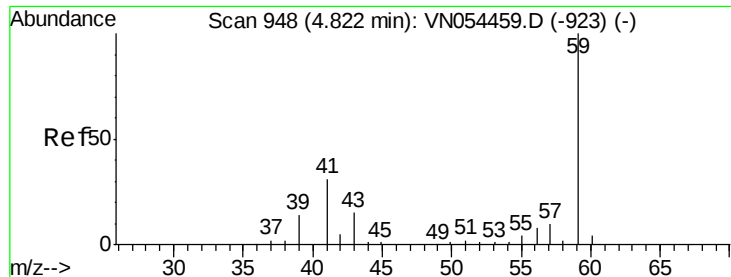
Ion Ratio Lower Upper

142 100

127 42.1 30.3 45.5

141 14.4 11.2 16.8





#11

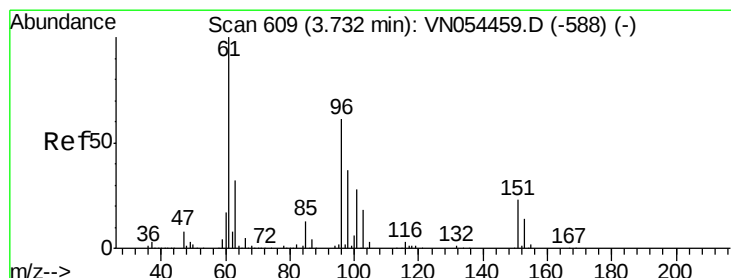
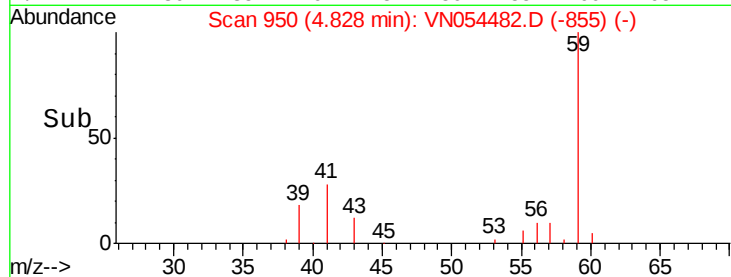
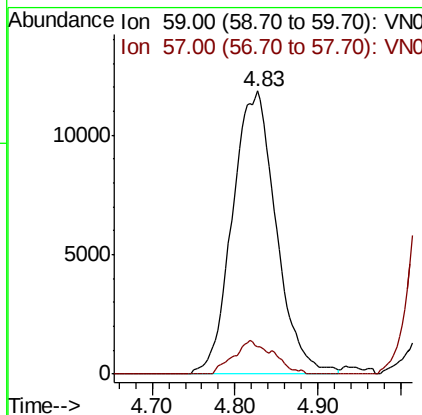
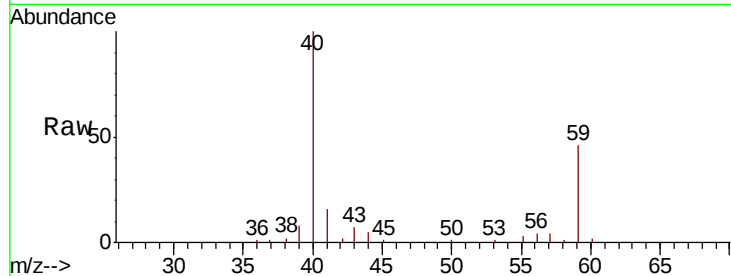
Tert butyl alcohol
 Concen: 110.561 ug/l
 RT: 4.83 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.2	9.0	13.6#

Manual Integrations
 APPROVED

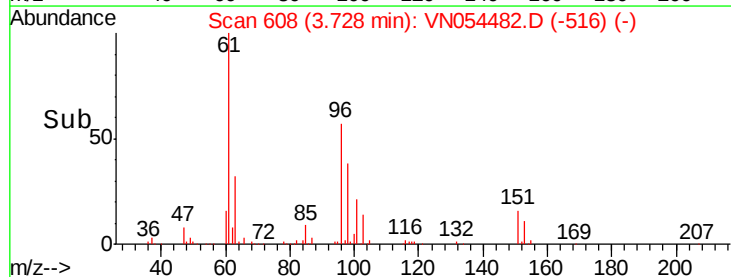
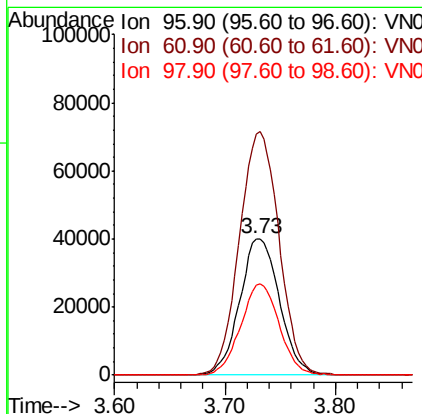
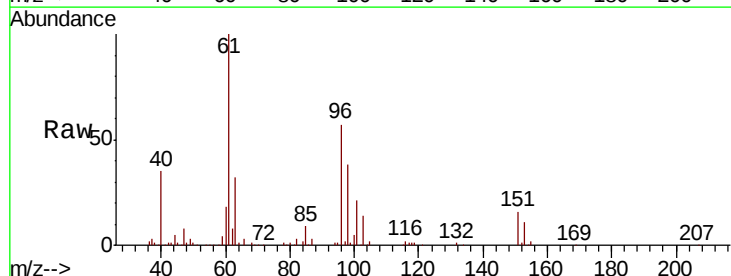
MMDadoda
 3/22/2019 3:51:19 PM

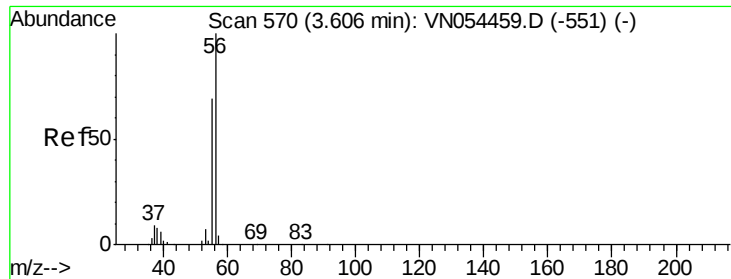


#12

1,1-Dichloroethene
 Concen: 20.031 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.3	116.5	174.7#
98	66.2	51.0	76.4





#13

Acrolein

Concen: 88.492 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion: 56 Resp: 47836

Ion Ratio Lower Upper

56 100

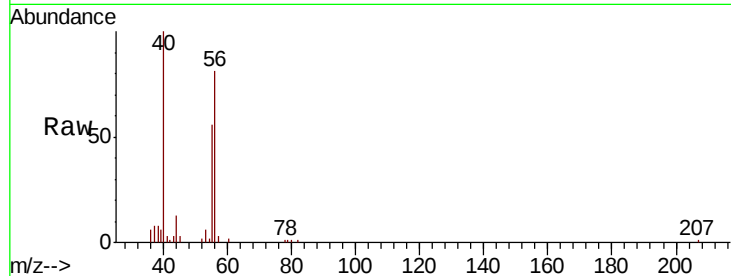
55 71.2 56.7 85.1

Manual Integrations

APPROVED

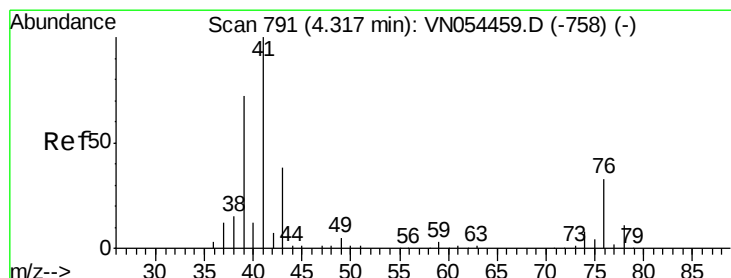
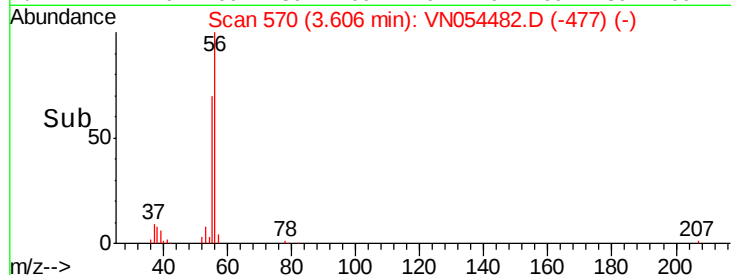
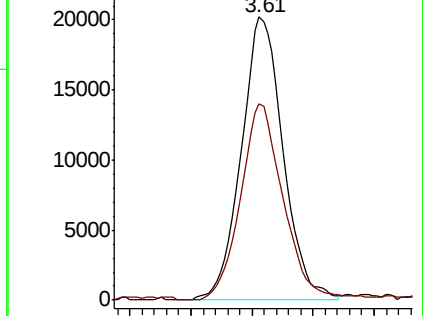
MMDadoda

3/22/2019 3:51:19 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.031 ug/l

RT: 4.32 min Scan# 791

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

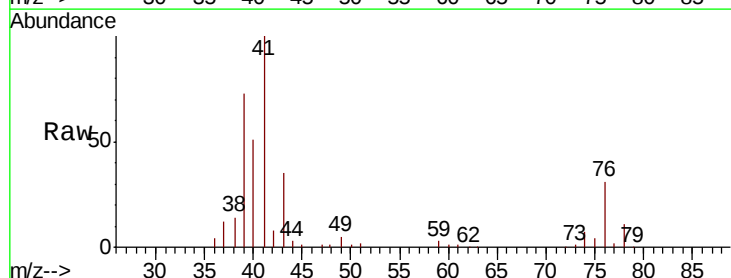
Tgt Ion: 41 Resp: 198691

Ion Ratio Lower Upper

41 100

39 69.2 58.2 87.4

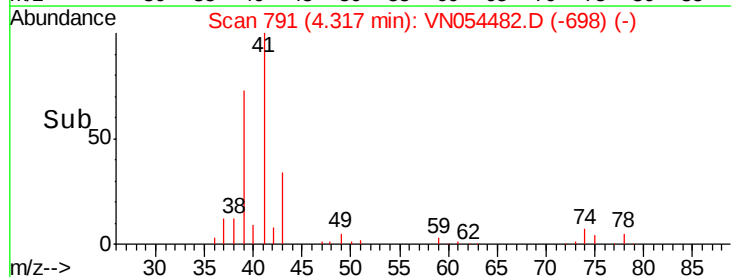
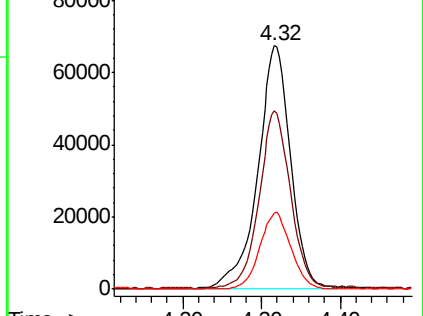
76 29.7 31.7 47.5#

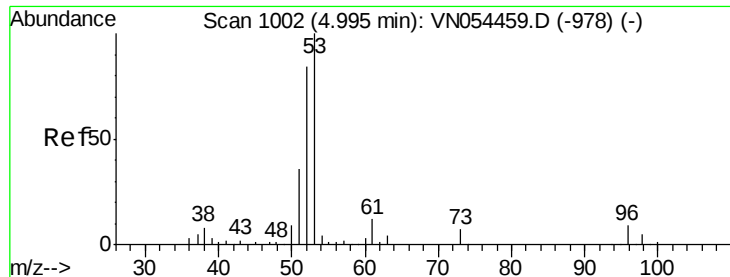


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





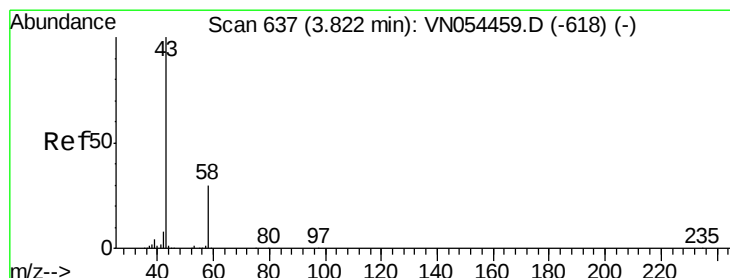
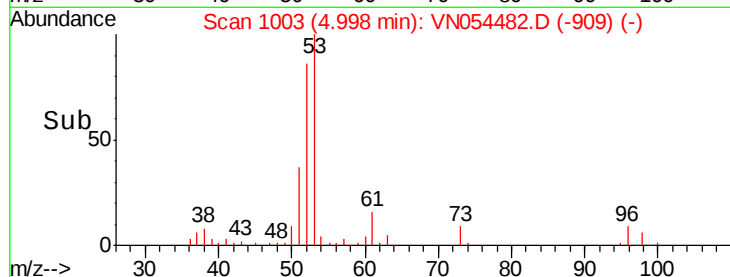
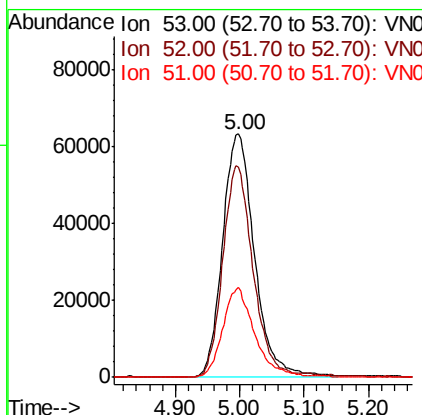
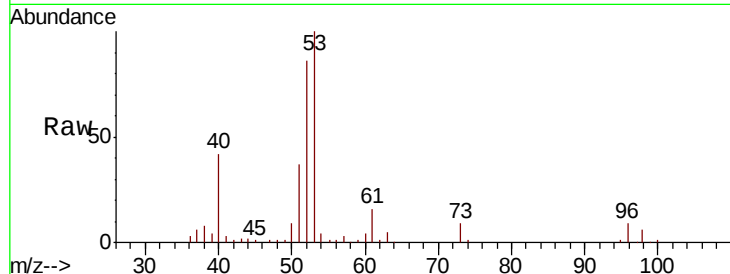
#15
 Acrylonitrile
 Concen: 111.887 ug/l
 RT: 5.00 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.4	99.6
51	36.7	29.6	44.4

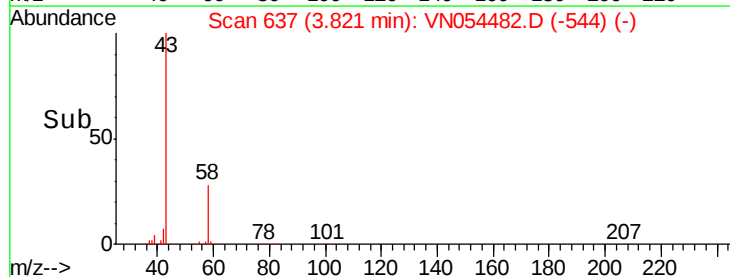
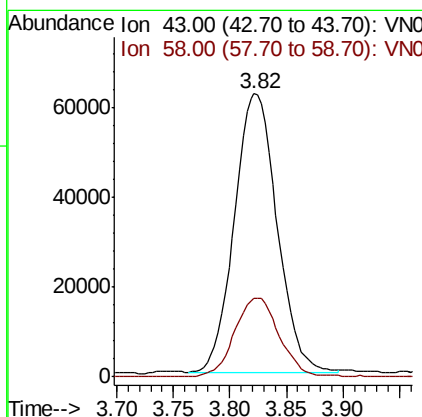
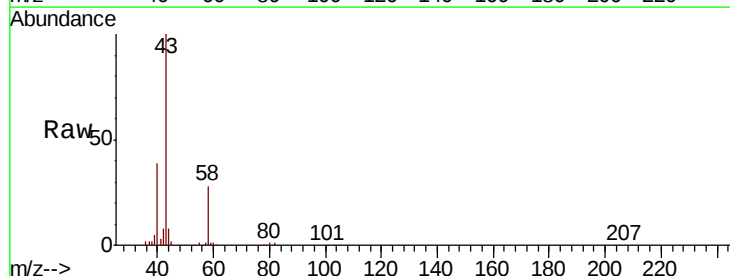
Manual Integrations
 APPROVED

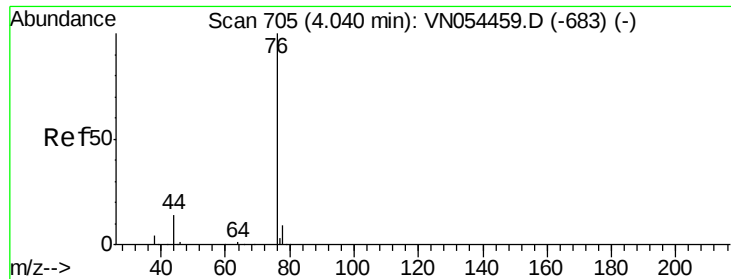
MMDadoda
 3/22/2019 3:51:19 PM



#16
 Acetone
 Concen: 83.541 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.2	29.9	44.9#





#17

Carbon Disulfide

Concen: 19.328 ug/l

RT: 4.04 min Scan# 705

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion: 76 Resp: 259826

Ion Ratio Lower Upper

76 100

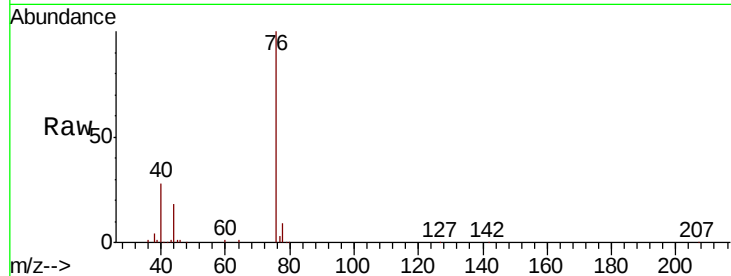
78 8.9 7.5 11.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

100000

80000

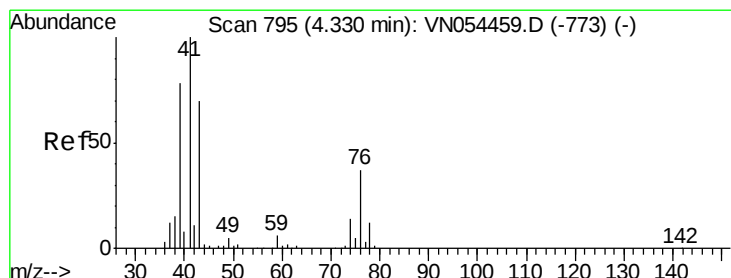
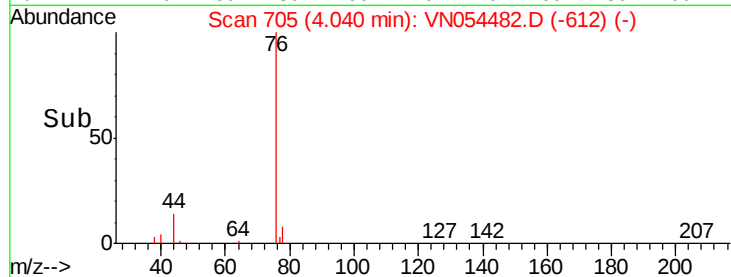
60000

40000

20000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 21.795 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054482.D

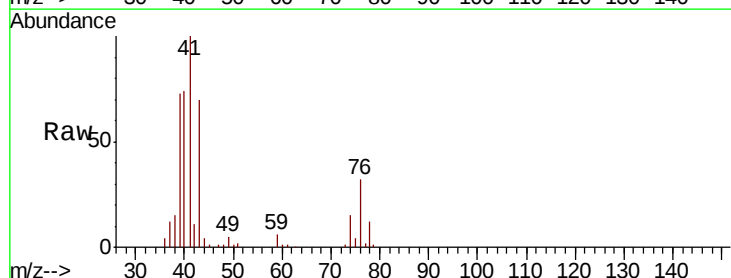
Acq: 21 Mar 2019 00:43

Tgt Ion: 43 Resp: 94498

Ion Ratio Lower Upper

43 100

74 21.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

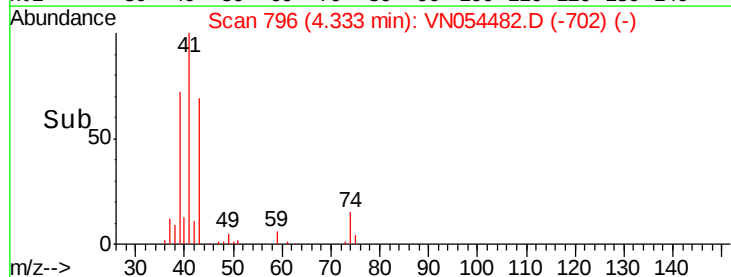
30000

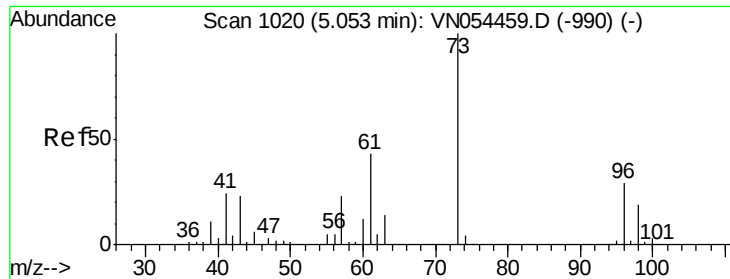
20000

10000

0

Time--> 4.20 4.30 4.40





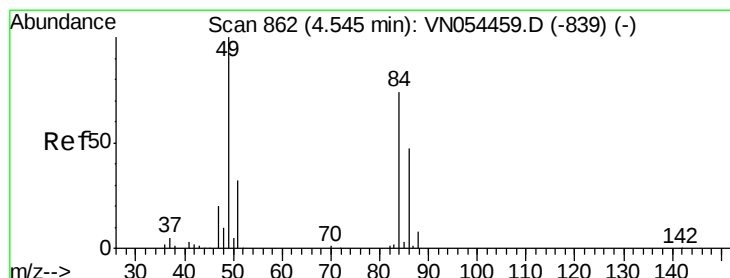
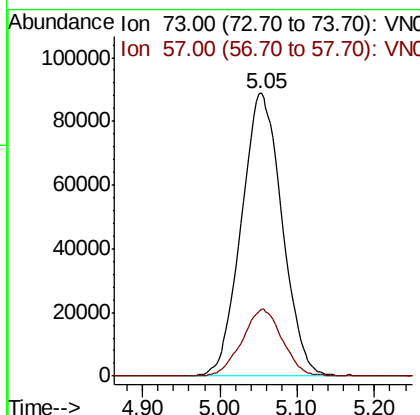
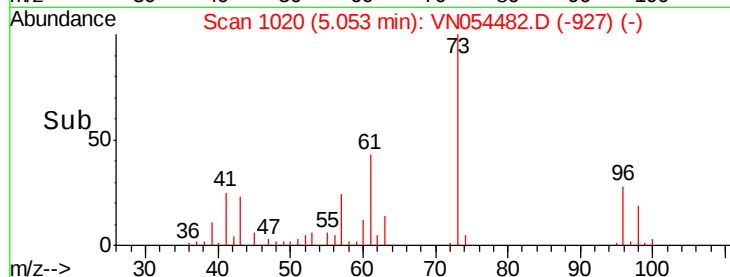
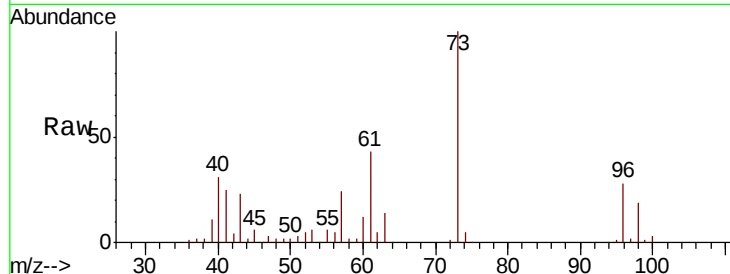
#19
Methvl tert-butvl Ether
Concen: 22.235 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion: 73 Resp: 325576
Ion Ratio Lower Upper
73 100
57 23.8 16.8 25.2

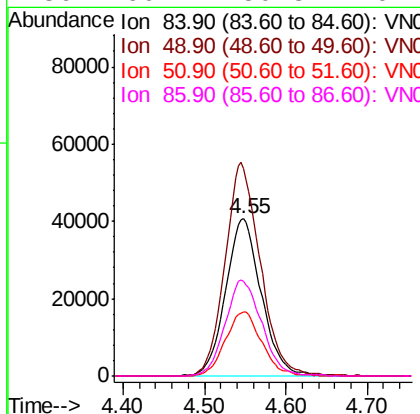
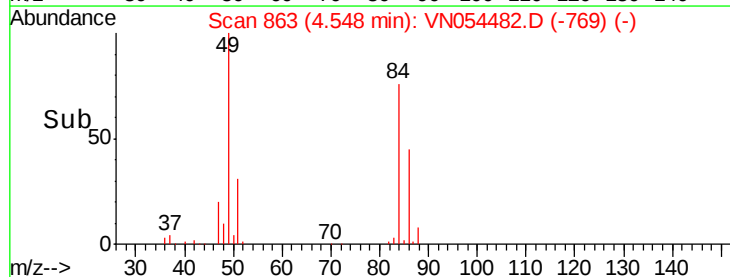
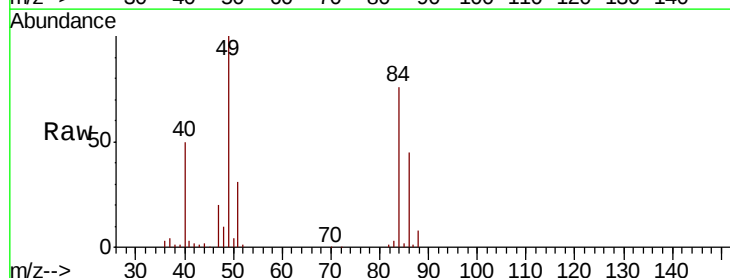
Manual Integrations
APPROVED

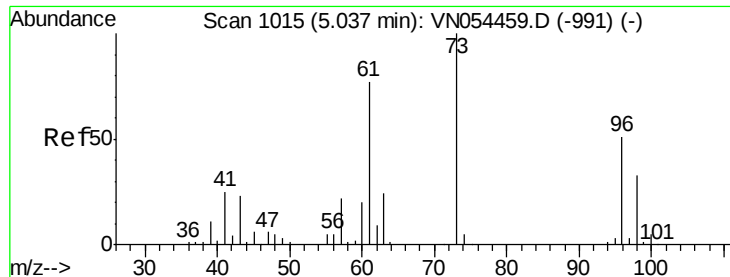
MMDadoda
3/22/2019 3:51:19 PM



#20
Methylene Chloride
Concen: 21.676 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion: 84 Resp: 124295
Ion Ratio Lower Upper
84 100
49 131.7 89.7 134.5
51 41.1 28.2 42.4
86 60.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.669 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion: 96 Resp: 111013

Ion Ratio Lower Upper

96 100

61 149.5 102.8 154.2

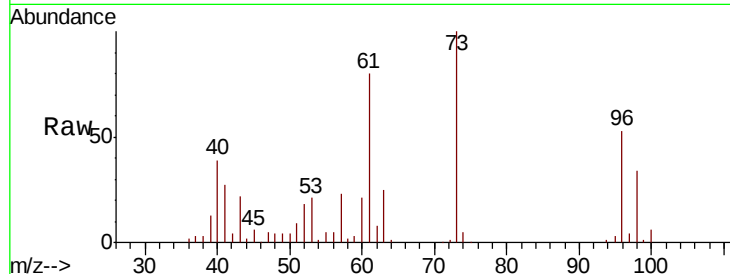
98 63.6 50.0 75.0

Manual Integrations

APPROVED

MMDadoda

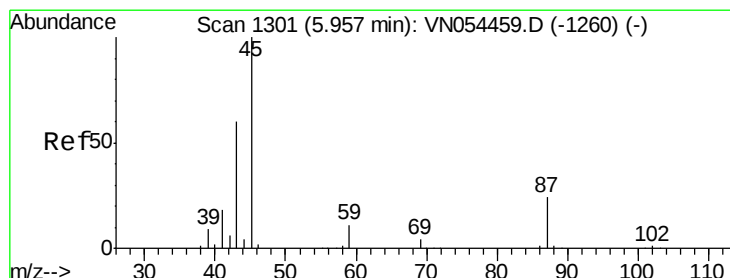
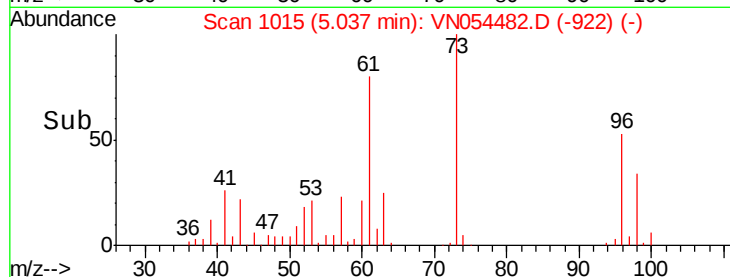
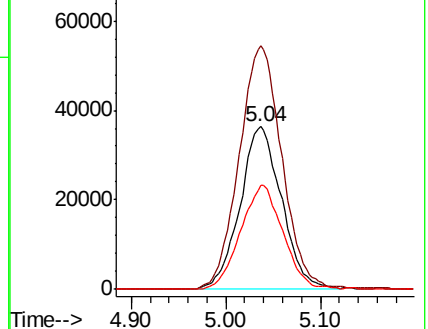
3/22/2019 3:51:19 PM



Abundance Ion 95.90 (95.60 to 96.60): VN054482.D (-922) (-)

Ion 60.90 (60.60 to 61.60): VN054482.D (-922) (-)

Ion 97.90 (97.60 to 98.60): VN054482.D (-922) (-)



#22

Diisopropyl ether

Concen: 22.429 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Tgt Ion: 45 Resp: 417979

Ion Ratio Lower Upper

45 100

43 60.3 48.2 72.2

87 24.4 24.9 37.3#

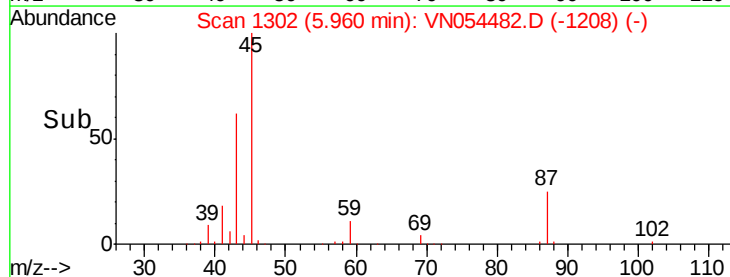
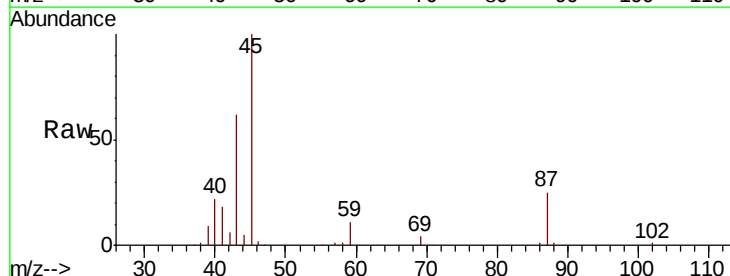
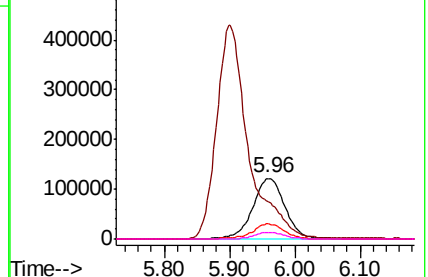
59 10.7 9.5 14.3

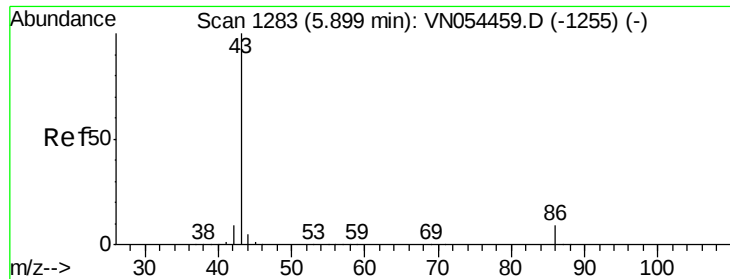
Abundance Ion 45.00 (44.70 to 45.70): VN054482.D (-1208) (-)

Ion 43.00 (42.70 to 43.70): VN054482.D (-1208) (-)

Ion 87.00 (86.70 to 87.70): VN054482.D (-1208) (-)

Ion 59.00 (58.70 to 59.70): VN054482.D (-1208) (-)





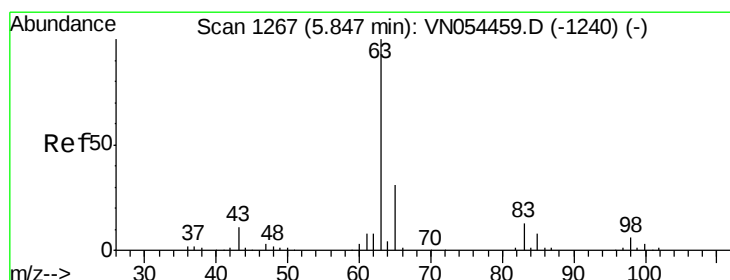
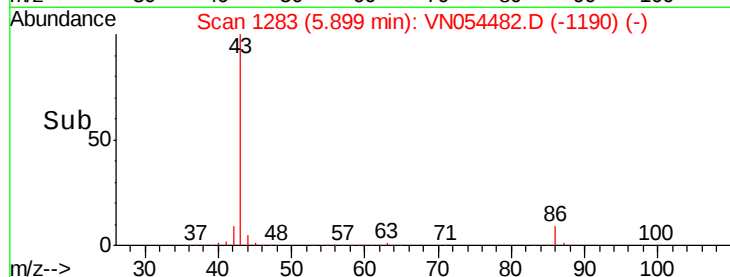
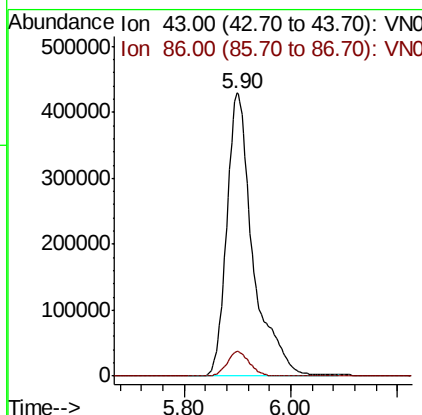
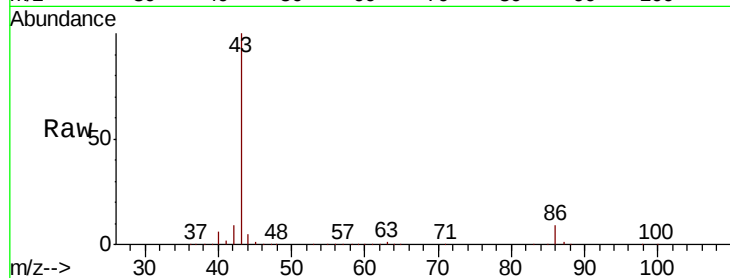
#23
 Vinyl Acetate
 Concen: 111.520 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tot Ion: 43 Resp: 1467784
 Ion Ratio Lower Upper
 43 100
 86 8.6 9.1 13.7#

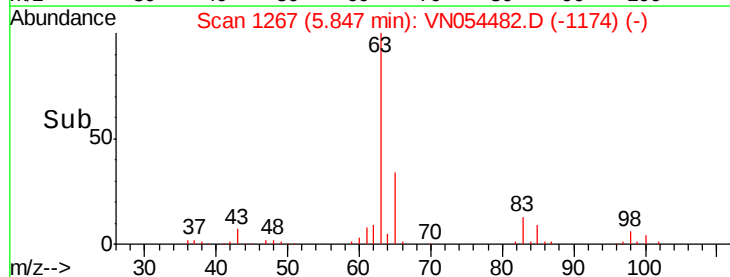
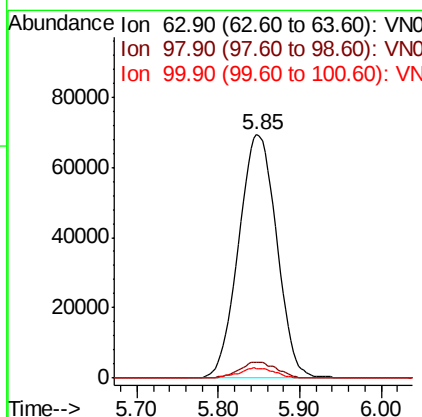
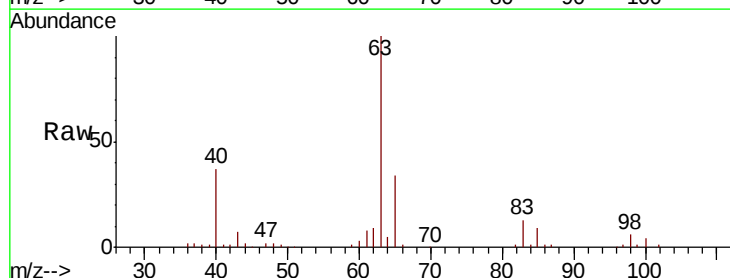
Manual Integrations
 APPROVED

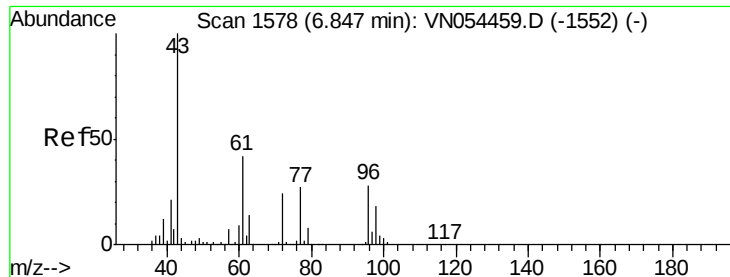
MMDadoda
 3/22/2019 3:51:19 PM



#24
 1,1-Dichloroethane
 Concen: 22.258 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Tgt Ion: 63 Resp: 223339
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.5
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 105.810 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

VN0320WBSD01

Tot Ion: 43 Resp: 263661

Ion Ratio Lower Upper

43 100

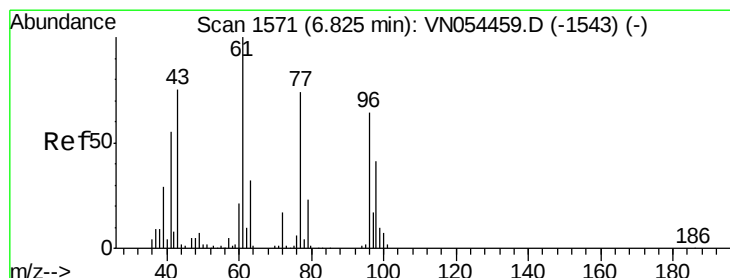
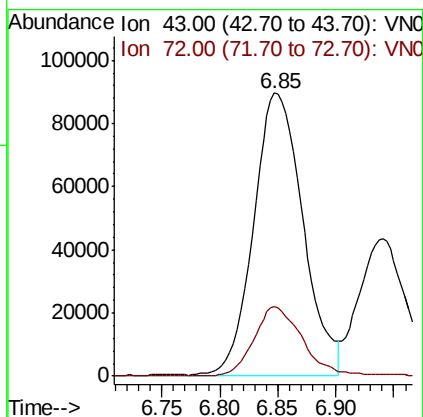
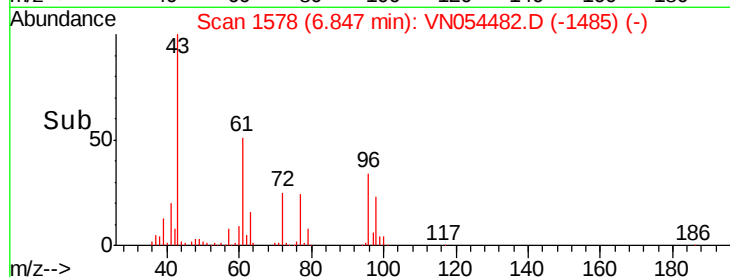
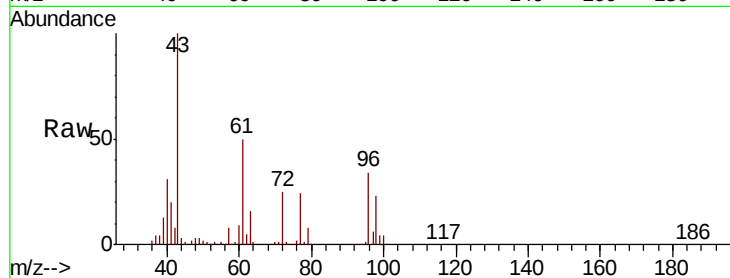
72 24.8 23.0 34.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.988 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054482.D

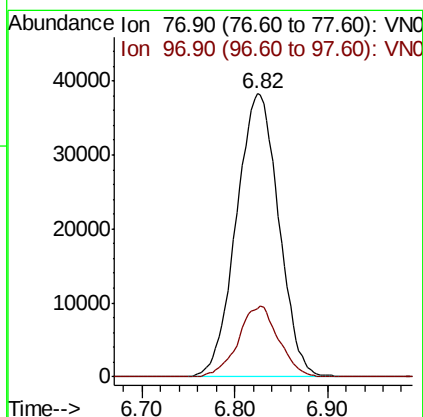
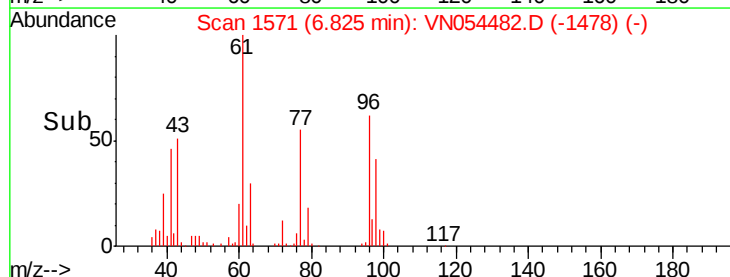
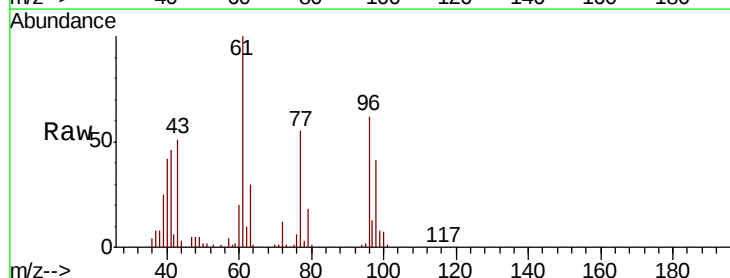
Acq: 21 Mar 2019 00:43

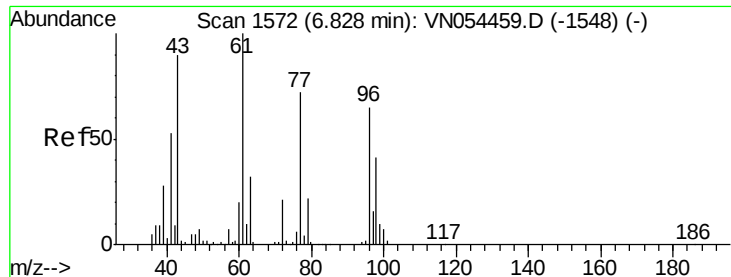
Tgt Ion: 77 Resp: 121511

Ion Ratio Lower Upper

77 100

97 23.7 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 21.420 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

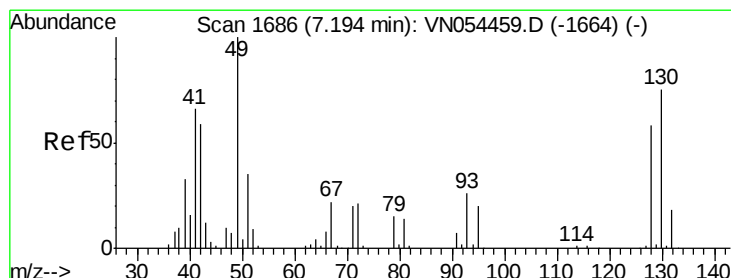
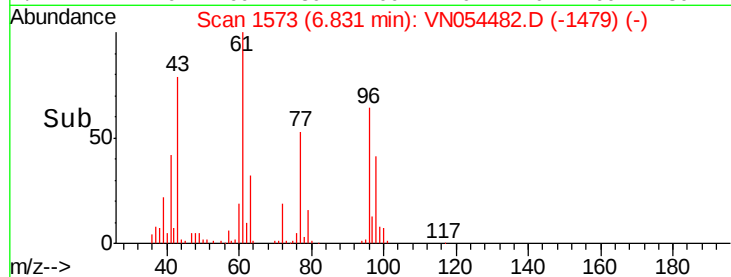
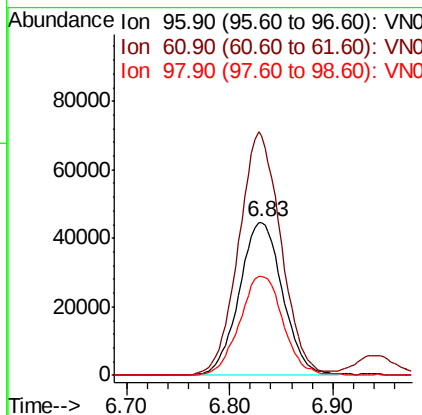
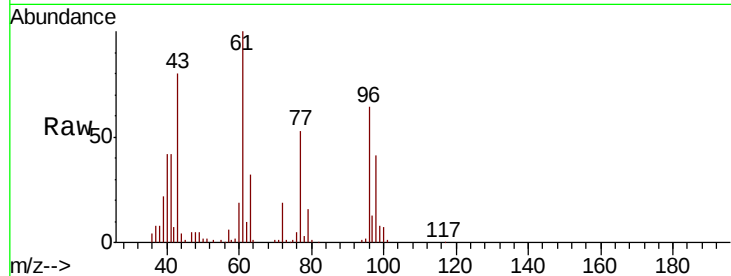
ClientSampleId :

VN0320WBSD01

Tot Ion:	96	Resp:	130895
Ion	Ratio	Lower	Upper
96	100		
61	154.5	0.0	273.0
98	64.8	0.0	130.6

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#28

Bromochloromethane

Concen: 21.021 ug/l

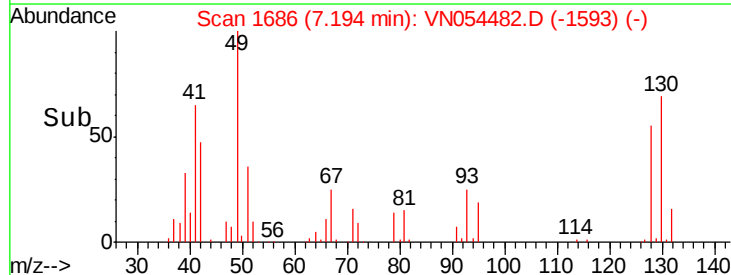
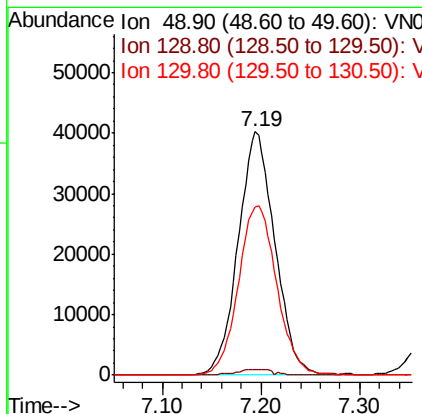
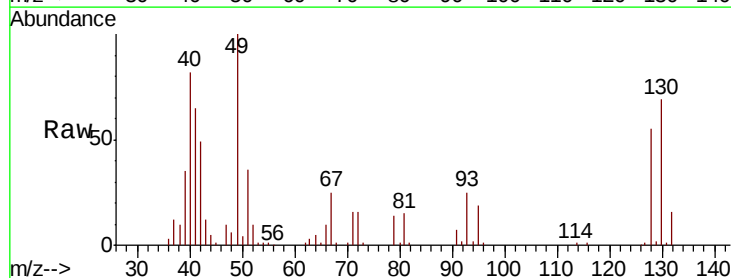
RT: 7.19 min Scan# 1686

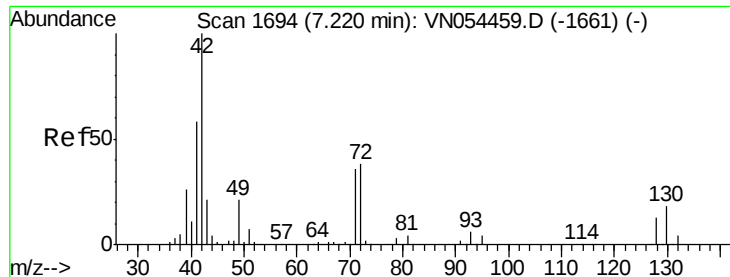
Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Tgt Ion:	49	Resp:	103820
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	4.6
130	72.6	76.7	115.1#





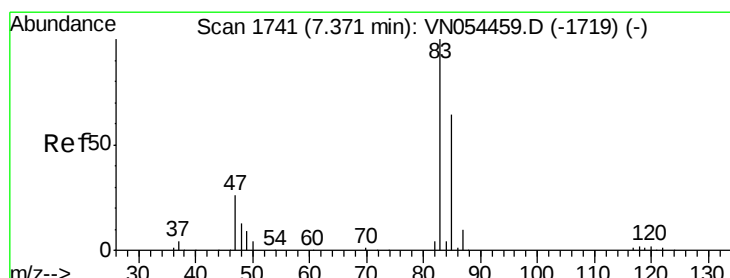
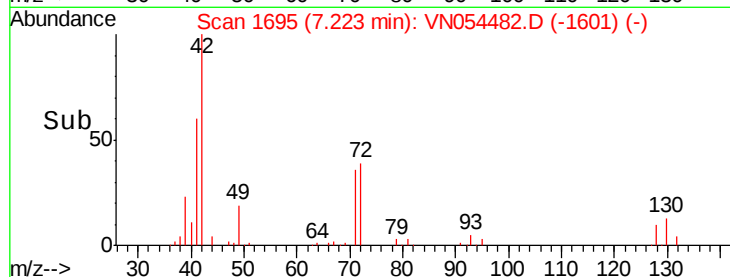
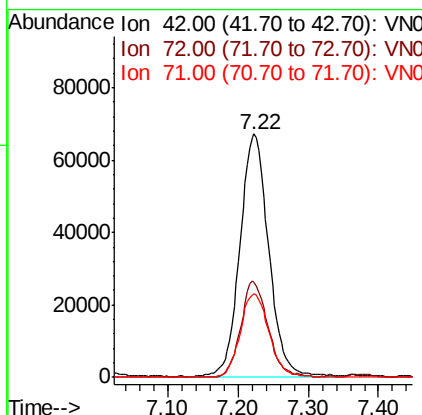
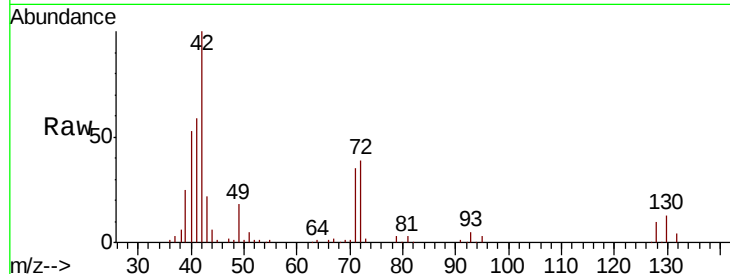
#29
Tetrahydrofuran
Concen: 117.239 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	37.8	56.6
71	34.3	36.2	54.2#

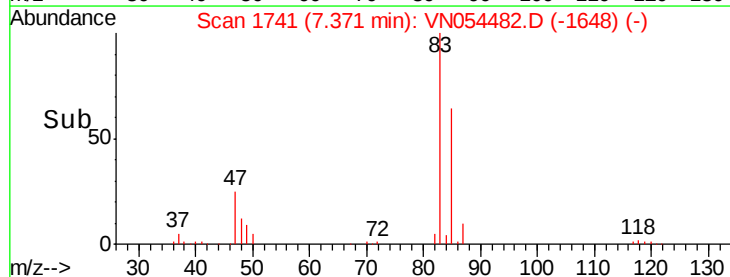
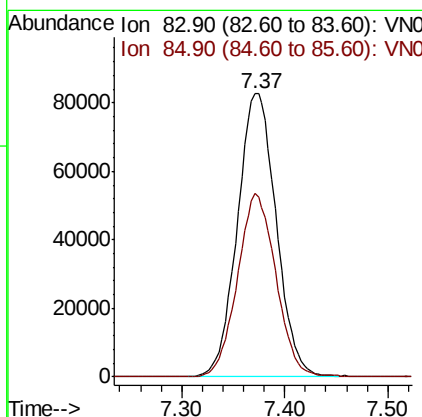
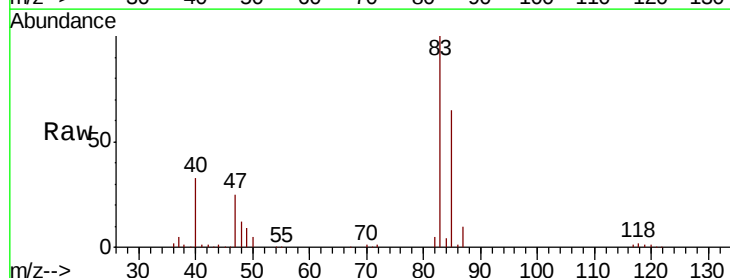
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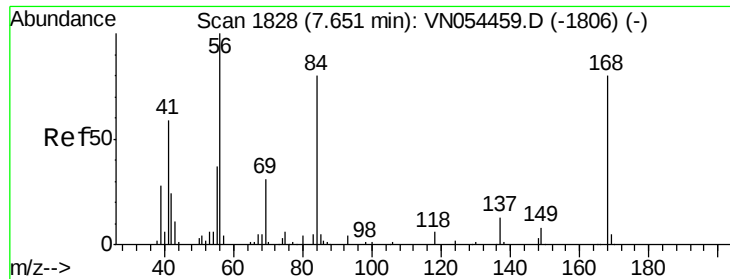
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3/22/2019 3:51:19 PM



#30
Chloroform
Concen: 22.094 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4





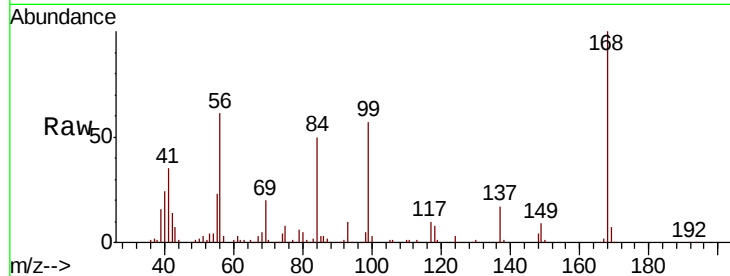
#31
Cyclohexane
Concen: 21.328 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

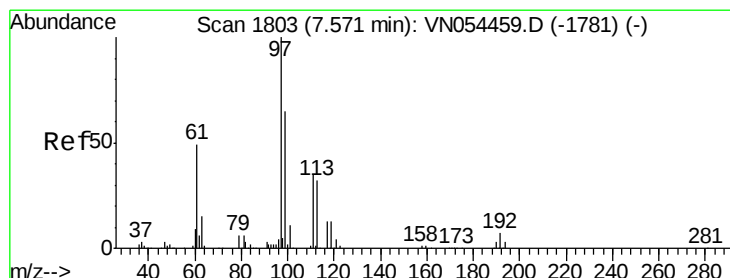
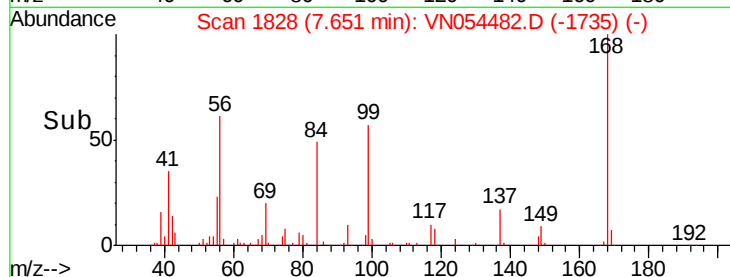
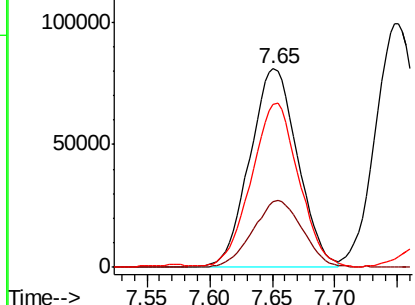
Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	27.8	41.6
84	81.1	74.6	111.8

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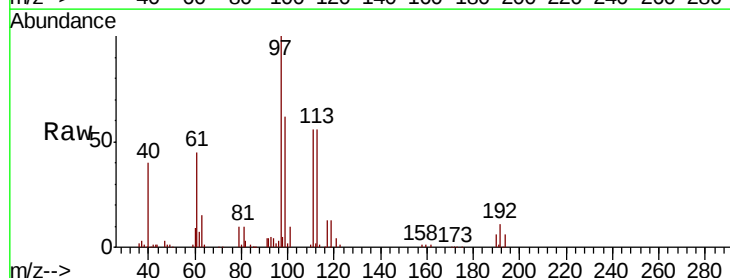


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

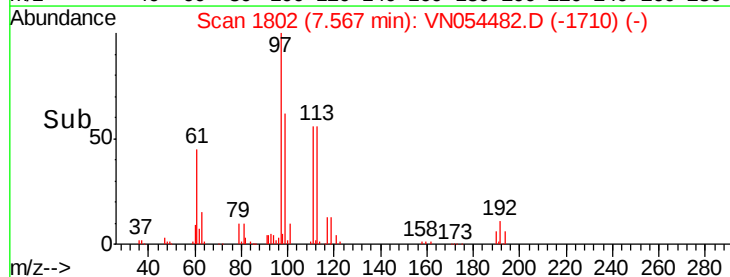
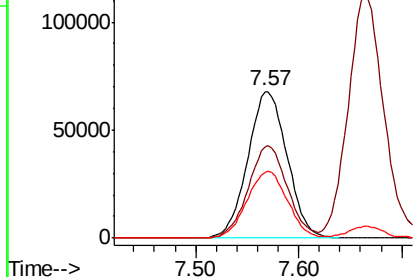


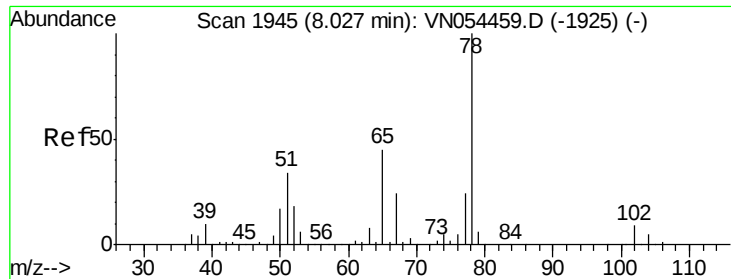
#32
1,1,1-Trichloroethane
Concen: 22.192 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.5	77.3
61	46.9	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





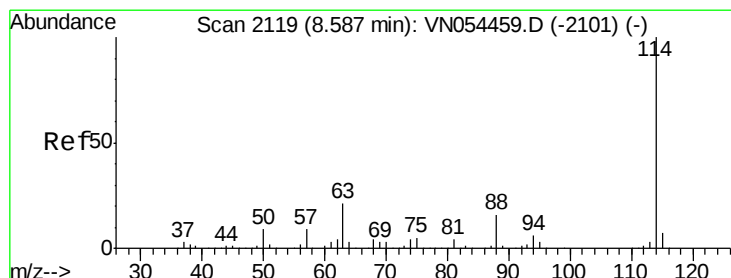
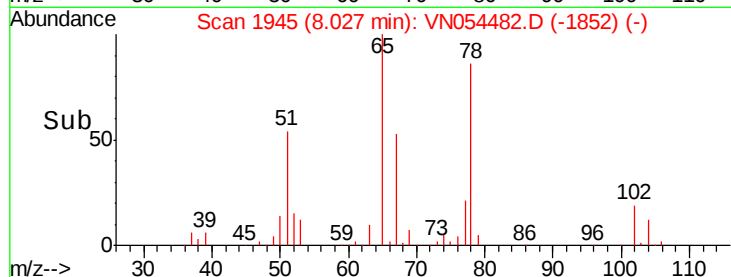
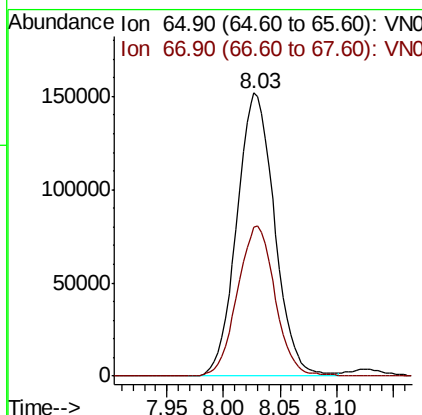
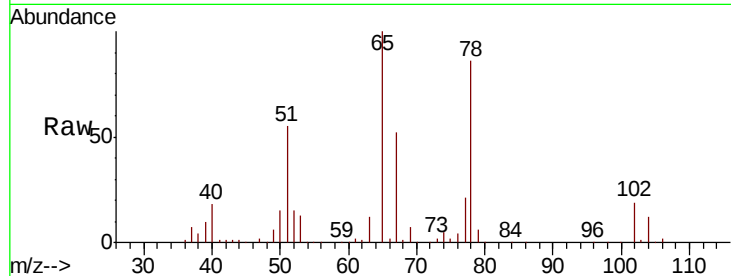
#33
 1,2-Dichloroethane-d4
 Concen: 54.572 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	353087		
67	52.9	0.0	104.6	

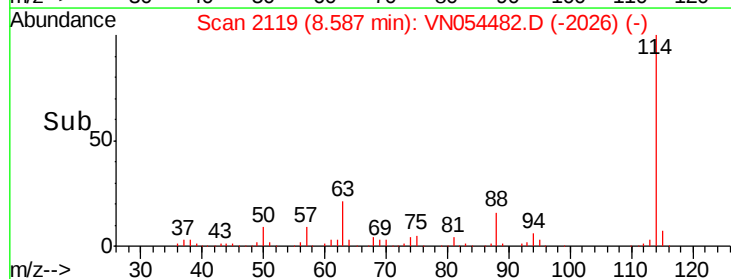
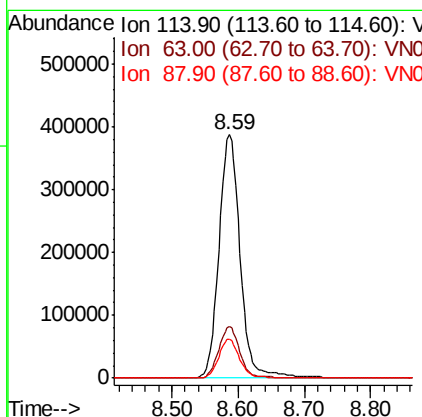
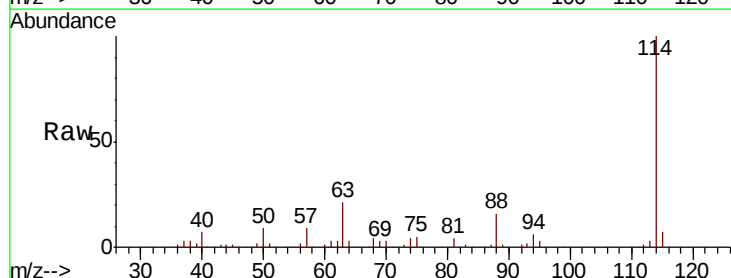
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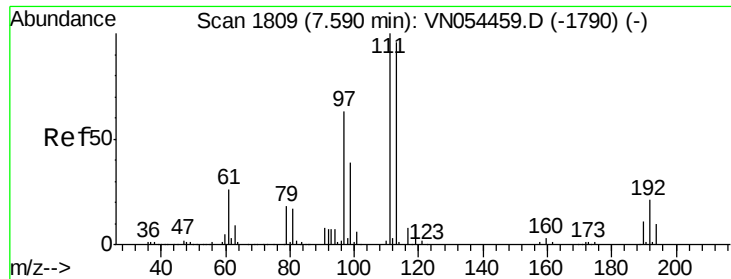
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	860786		
63	21.4	0.0	35.2	
88	16.1	0.0	30.2	





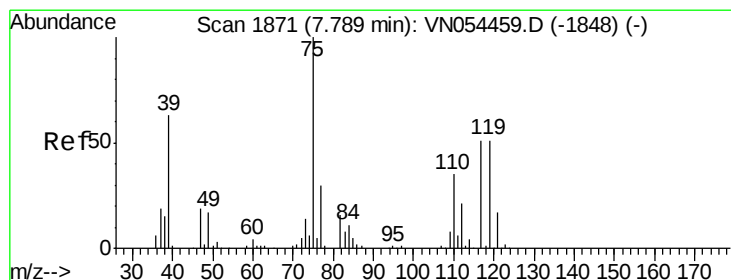
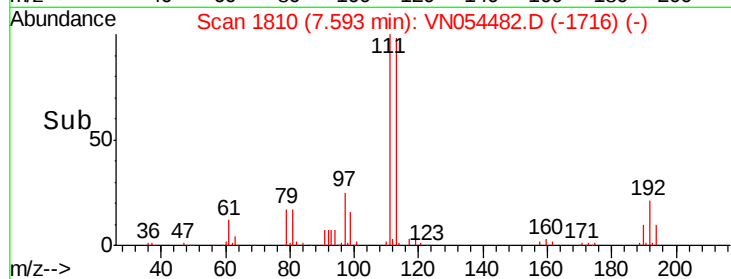
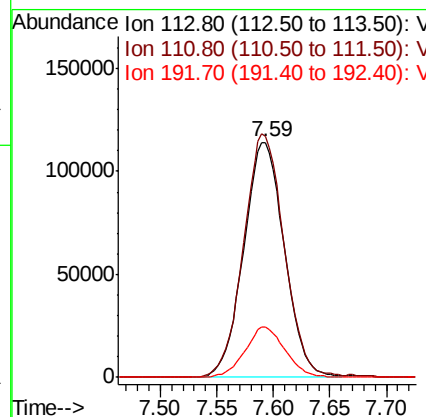
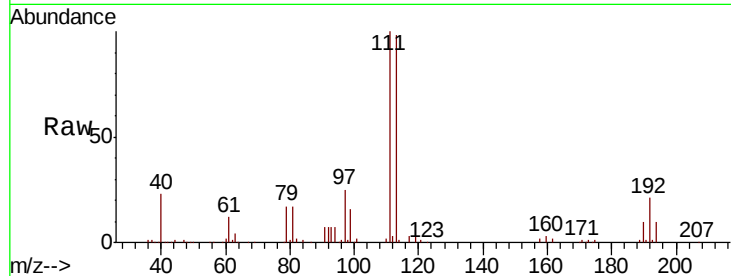
#35
 Dibromofluoromethane
 Concen: 51.530 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	285767		
111	103.2	82.2	123.4	
192	21.1	19.2	28.8	

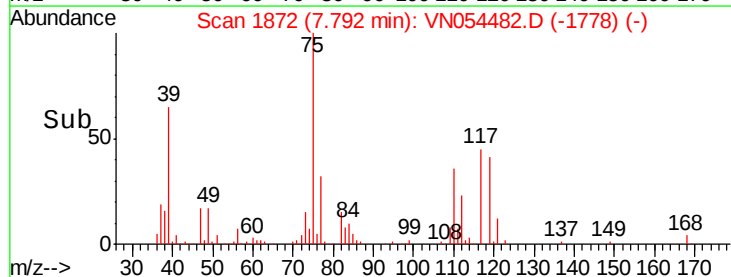
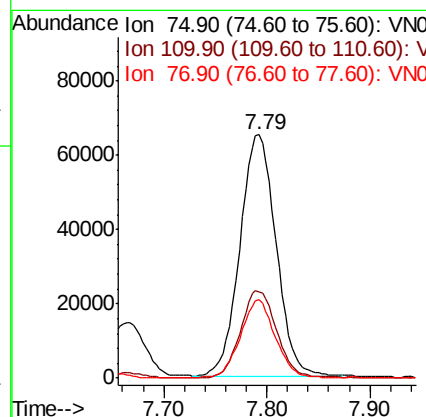
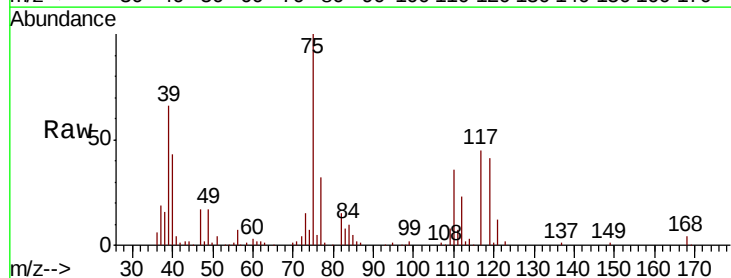
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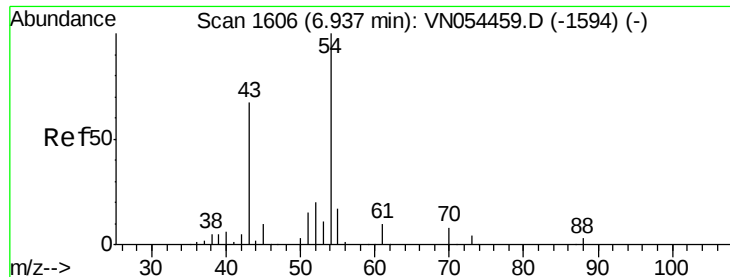
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.757 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	159011		
110	36.0	19.1	57.5	
77	31.5	25.0	37.4	





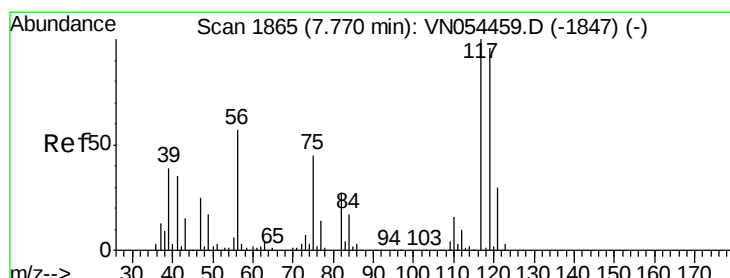
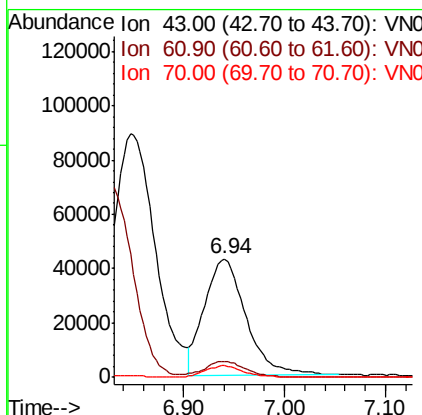
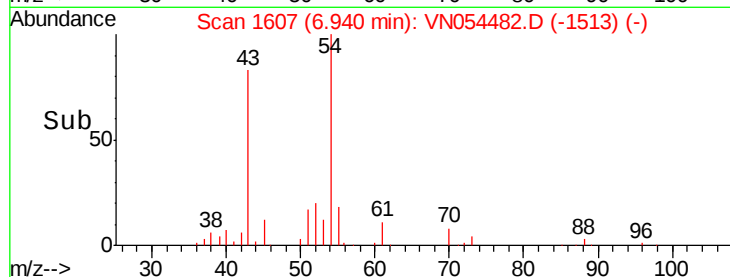
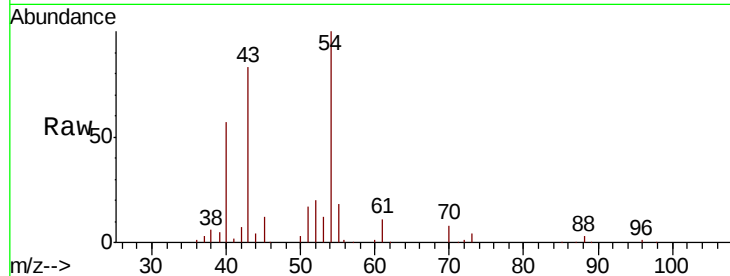
#37
Ethyl Acetate
Concen: 21.518 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.8	17.6
70	9.4	8.4	12.6

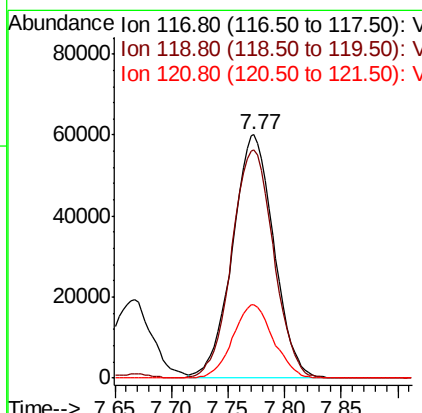
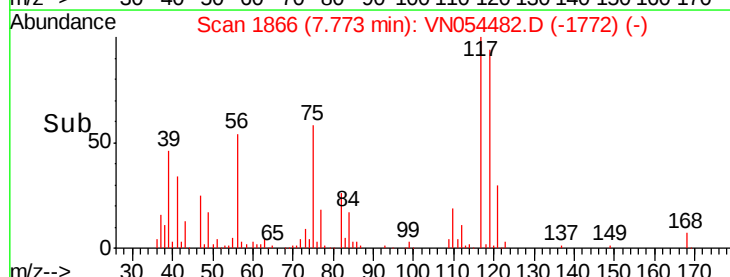
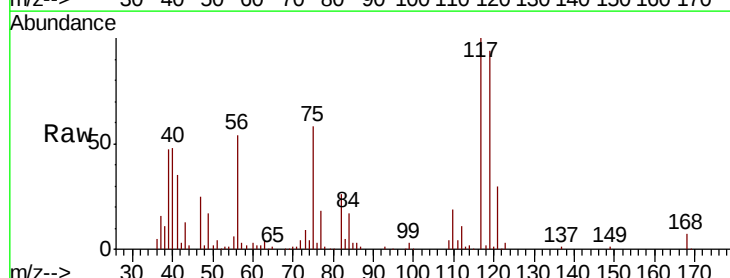
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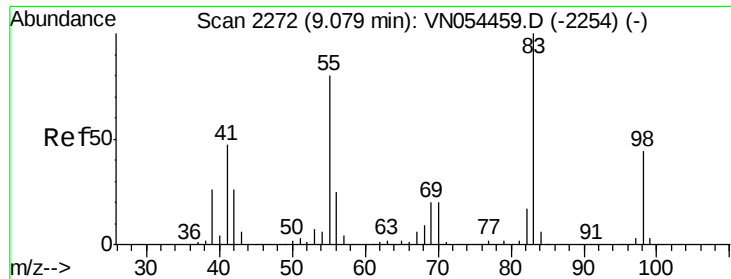
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#38
Carbon Tetrachloride
Concen: 19.541 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.3	114.5
121	30.2	24.6	36.8





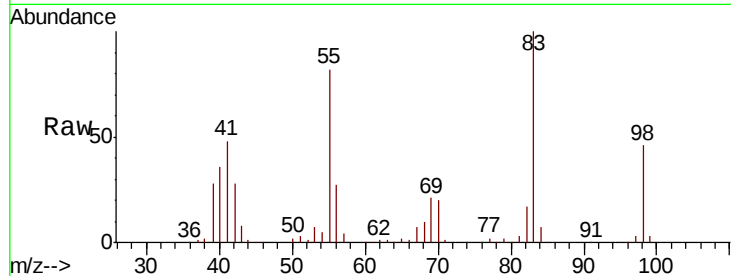
#39
Methvlcvclohexane
Concen: 19.834 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	182601		
55	82.1		56.6	84.8
98	45.6		38.4	57.6

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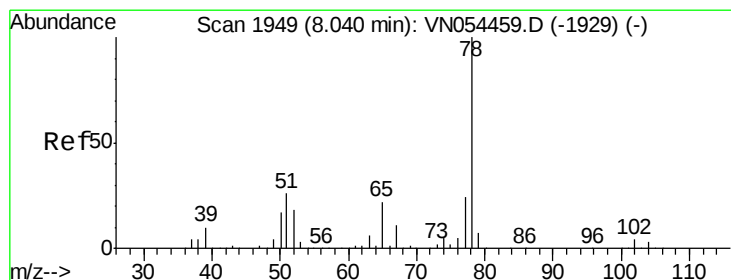
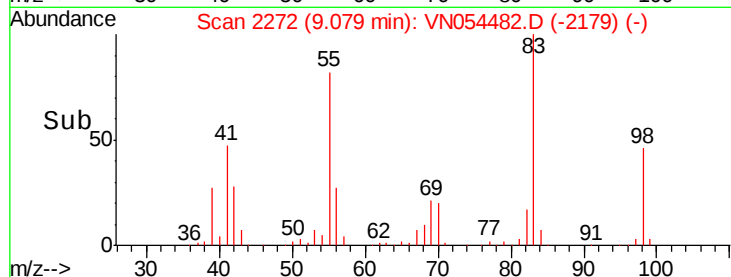
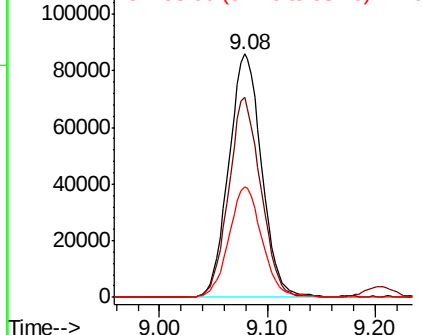


Abundance

Ion 83.00 (82.70 to 83.70): VN0

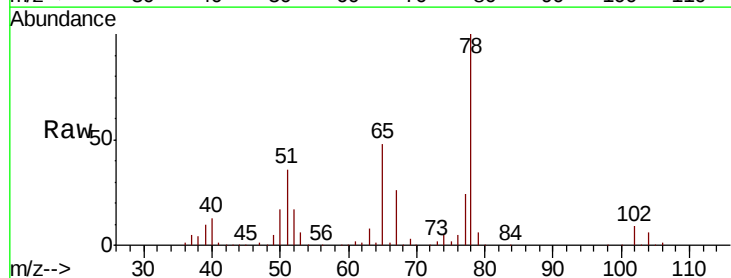
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 20.917 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

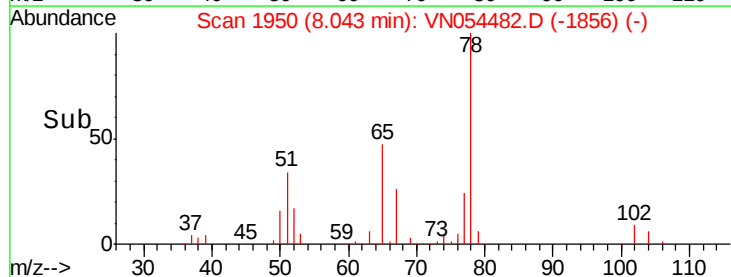
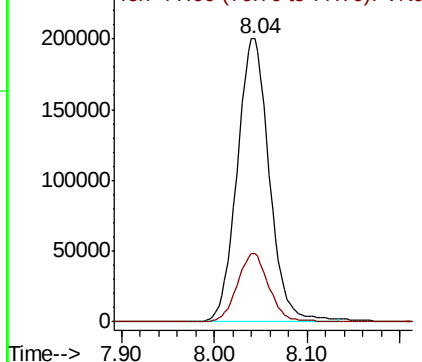
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	481407		
77	24.4		19.1	28.7



Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





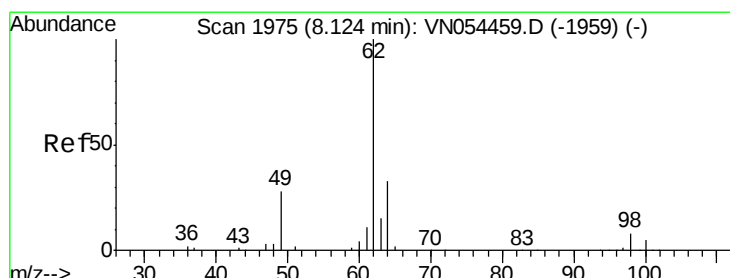
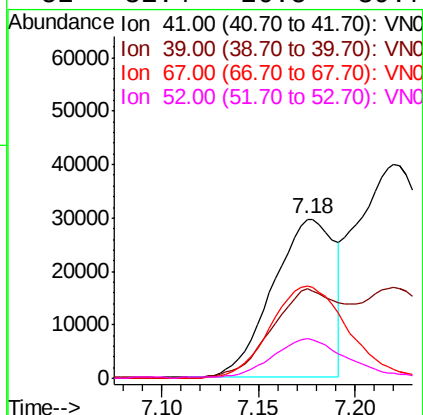
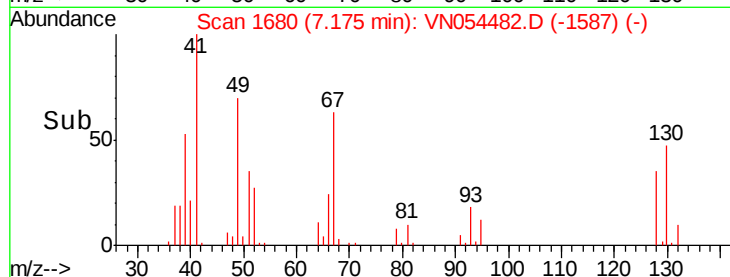
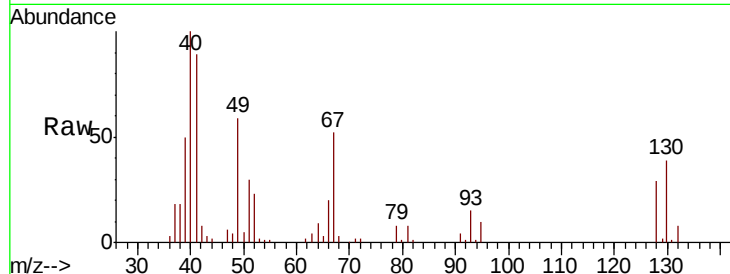
#41
Methacrylonitrile
Concen: 18.912 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion:	41	Resp:	66021
Ion	Ratio	Lower	Upper
41	100		
39	68.8	46.8	70.2
67	73.5	67.0	100.4
52	31.4	26.5	39.7

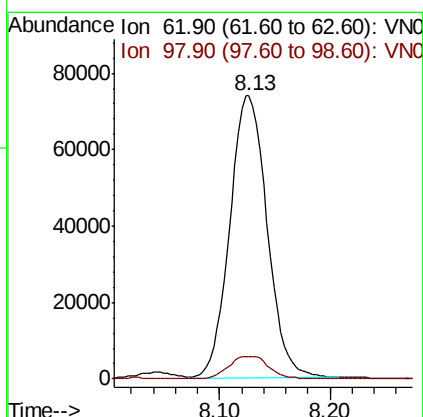
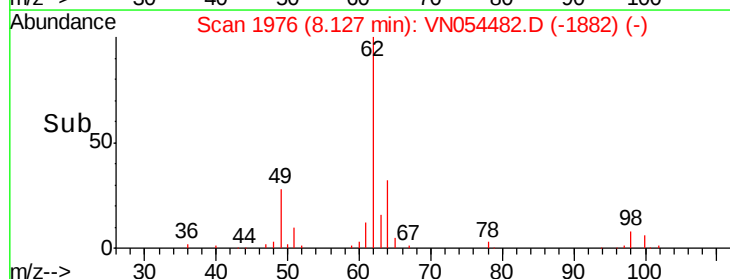
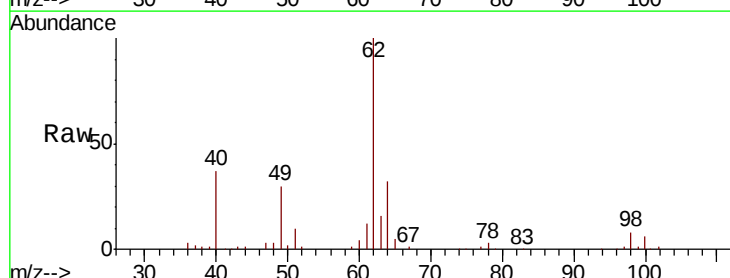
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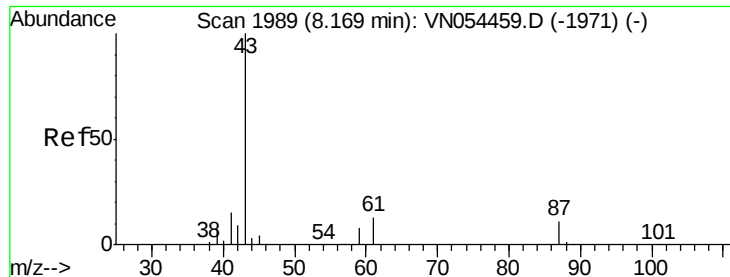
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.641 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion:	62	Resp:	172999
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.4





#43

Isopropyl Acetate

Concen: 21.226 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

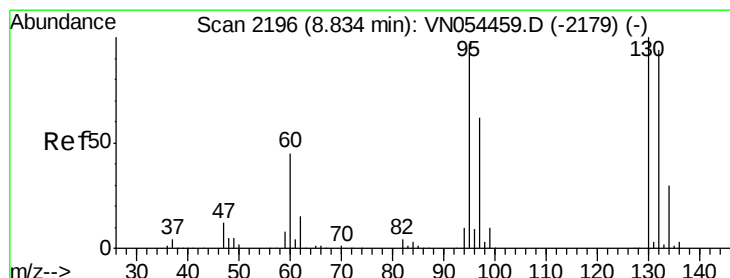
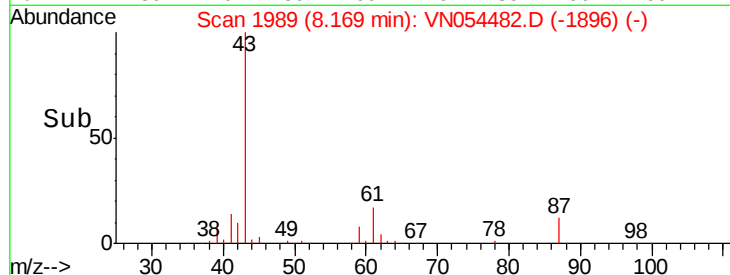
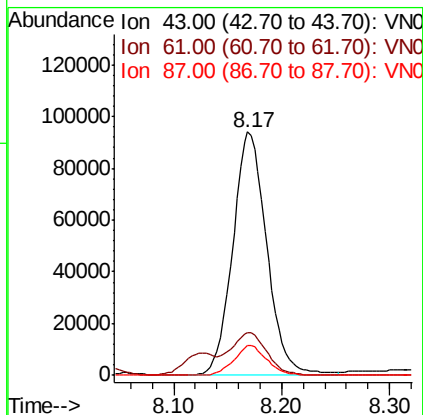
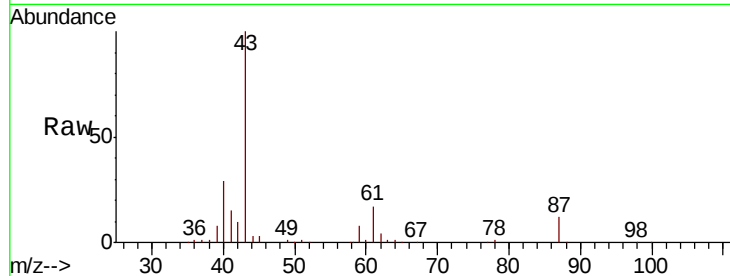
ClientSampleId :

VN0320WBSD01

Tot Ion:	43	Resp:	205202
Ion	Ratio	Lower	Upper
43	100		
61	18.1	15.8	23.8
87	11.9	12.0	18.0#

Manual Integrations
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#44

Trichloroethene

Concen: 20.327 ug/l

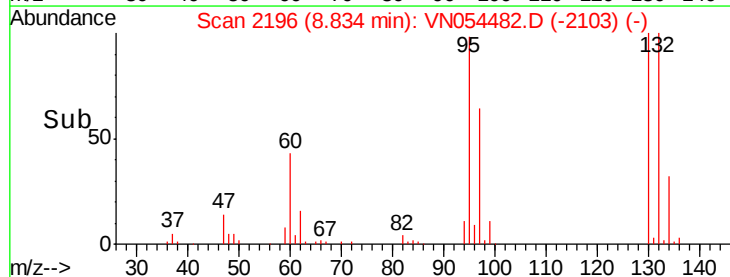
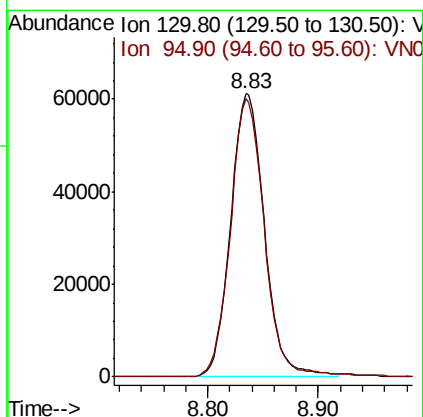
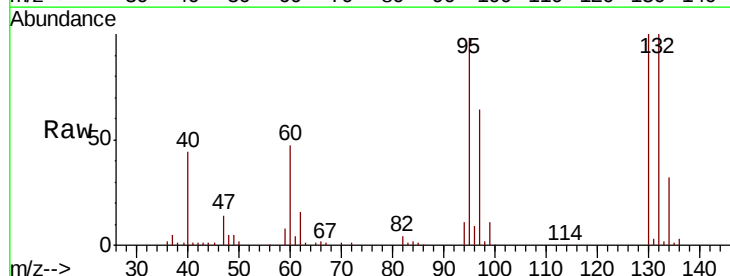
RT: 8.83 min Scan# 2196

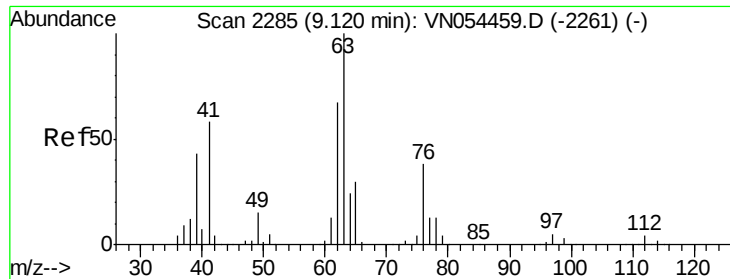
Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Tgt Ion:	130	Resp:	130062
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	185.2





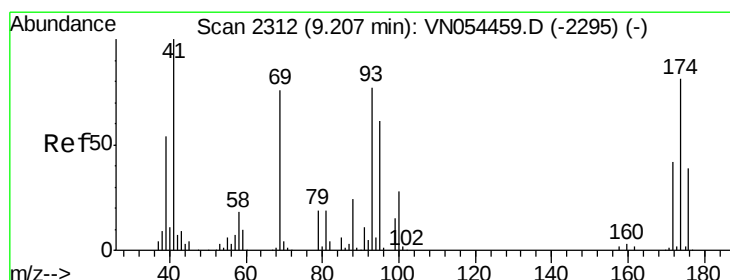
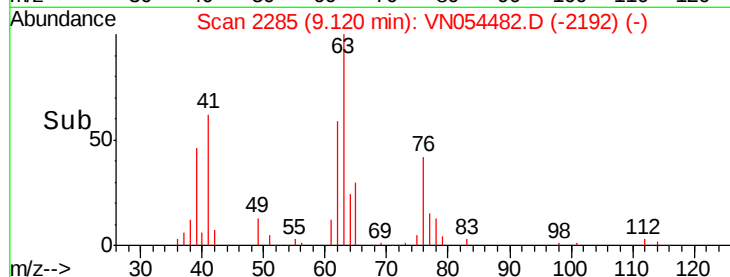
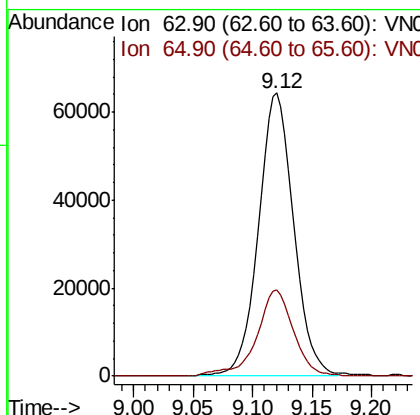
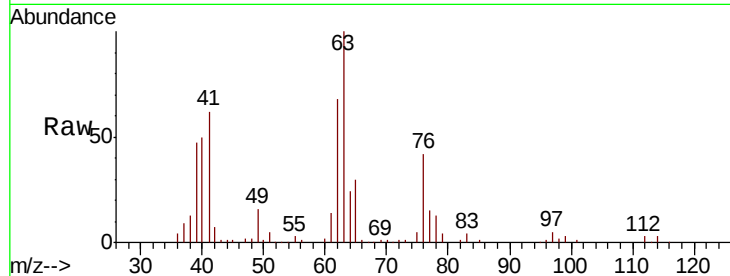
#45
 1,2-Dichloropropane
 Concen: 21.297 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tot Ion: 63 Resp: 131613
 Ion Ratio Lower Upper
 63 100
 65 30.3 25.0 37.6

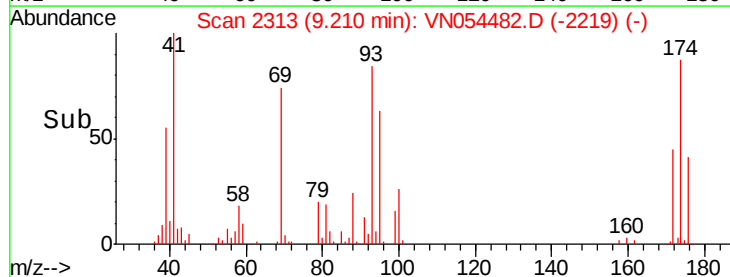
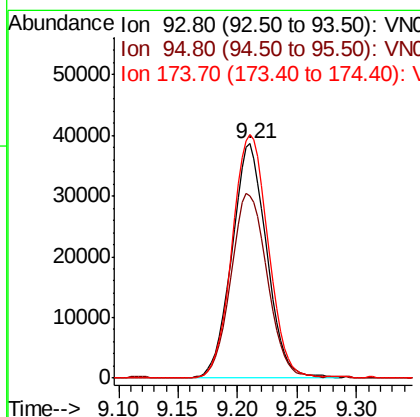
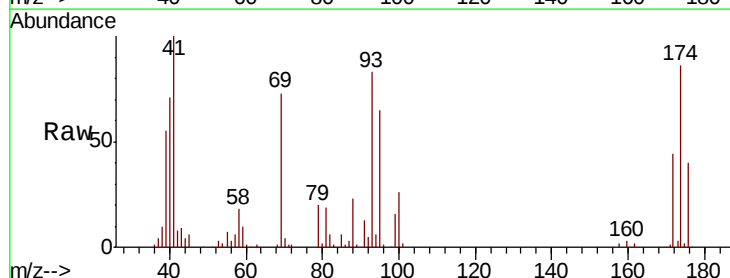
Manual Integrations
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#46
 Dibromomethane
 Concen: 21.221 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Tgt Ion: 93 Resp: 78239
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.7 100.1
 174 107.9 98.5 147.7





#47

Bromodichloromethane

Concen: 20.482 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

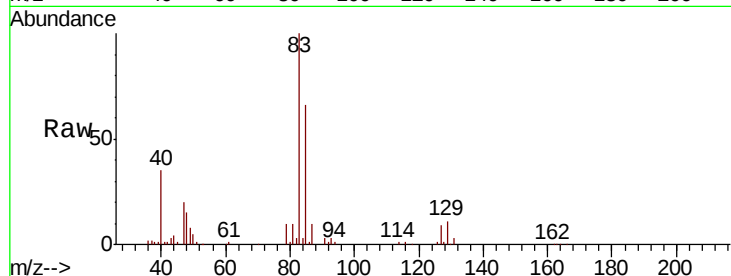
ClientSampleId :

VN0320WBSD01

Tot Ion:	83	Resp:	156718
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.8	79.2
127	9.0	7.4	11.2

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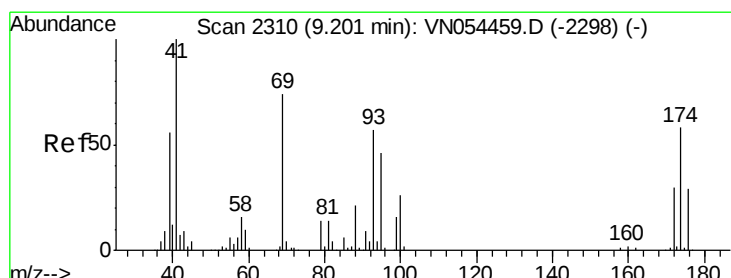
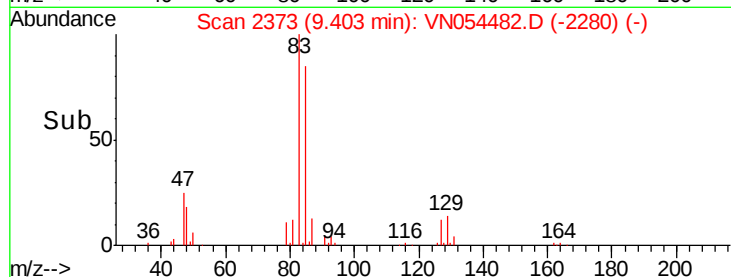
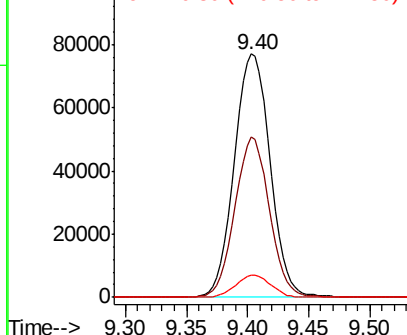


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.884 ug/l

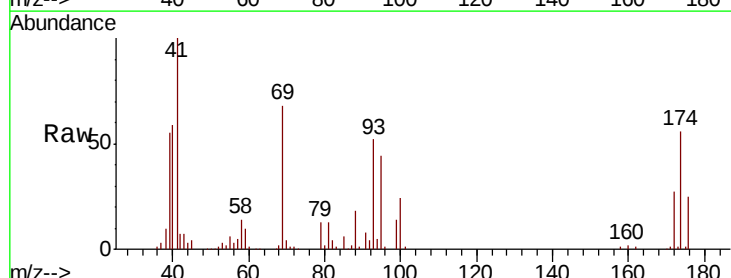
RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Tgt Ion:	41	Resp:	109582
Ion	Ratio	Lower	Upper
41	100		
69	74.6	72.6	108.8
39	56.3	47.5	71.3

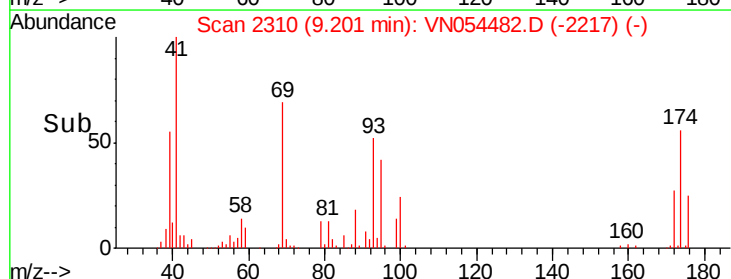
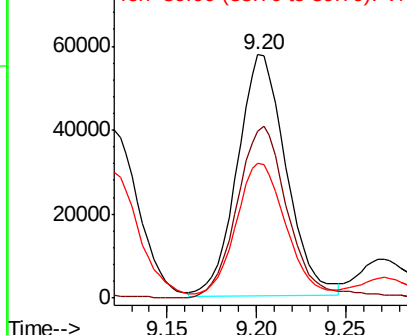


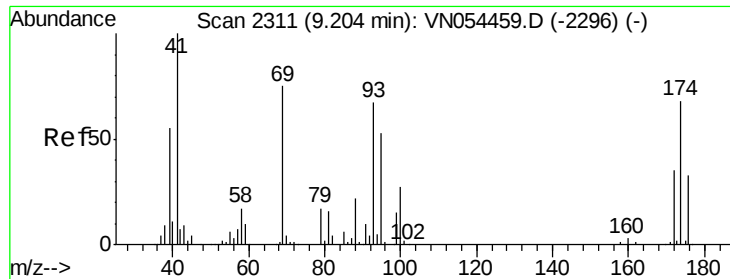
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 426.130 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion: 88 Resp: 24997

Ion Ratio Lower Upper

88 100

43 33.4 24.1 36.1

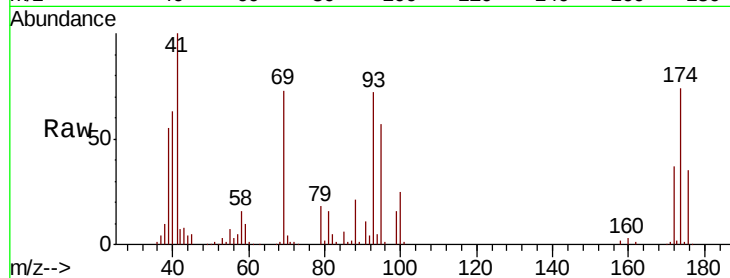
58 73.8 50.8 76.2

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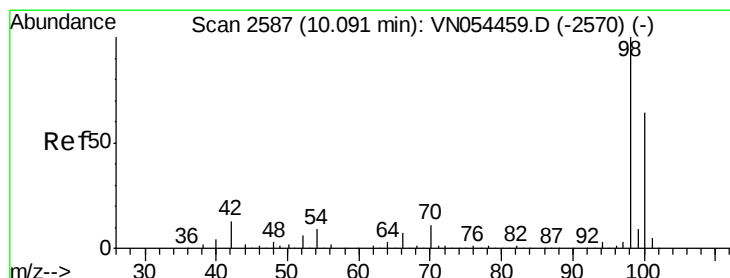
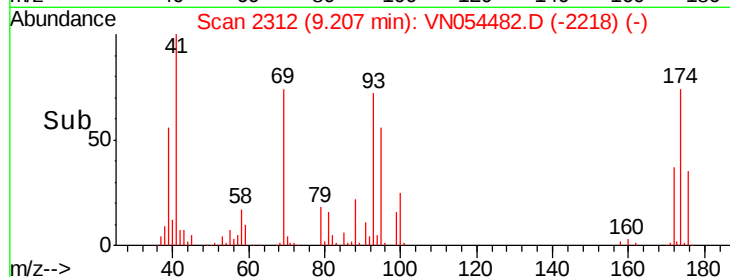
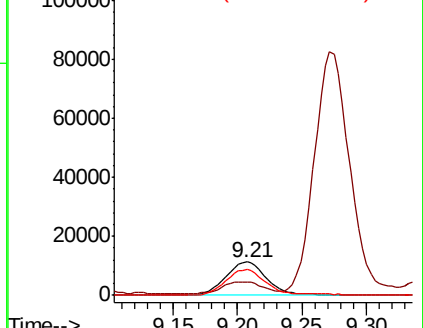
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Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 51.428 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054482.D

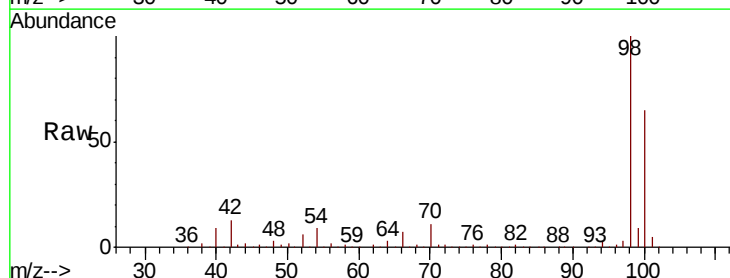
Acq: 21 Mar 2019 00:43

Tgt Ion: 98 Resp: 1072170

Ion Ratio Lower Upper

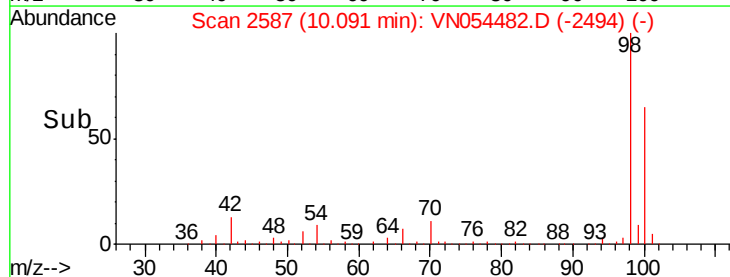
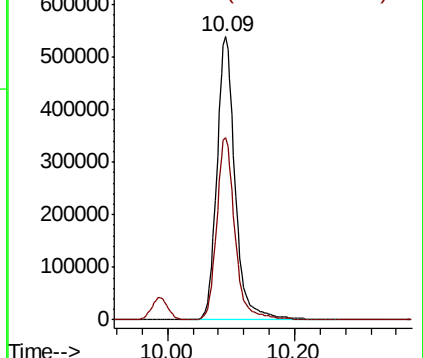
98 100

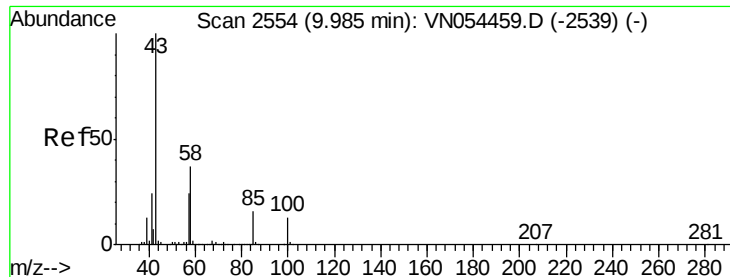
100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 108.693 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion: 43 Resp: 582352

Ion Ratio Lower Upper

43 100

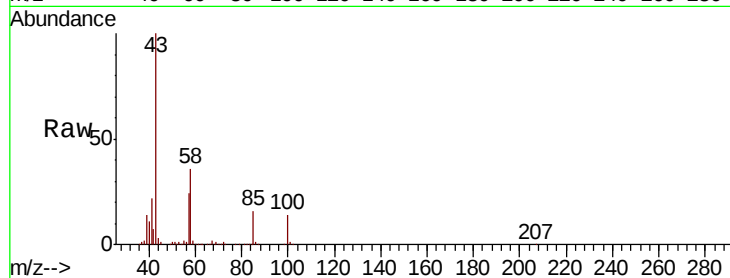
58 36.0 31.8 47.6

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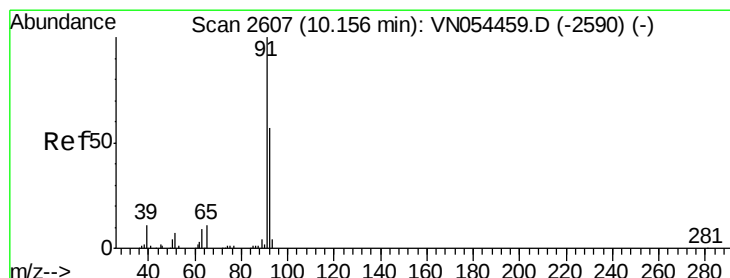
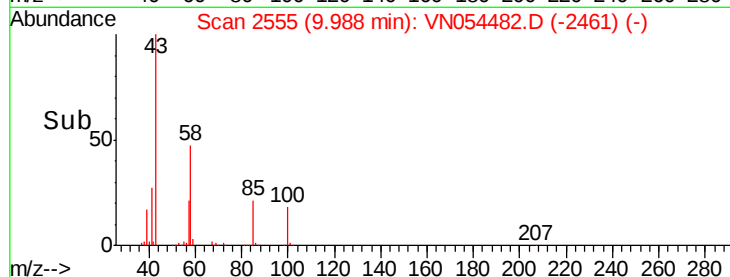
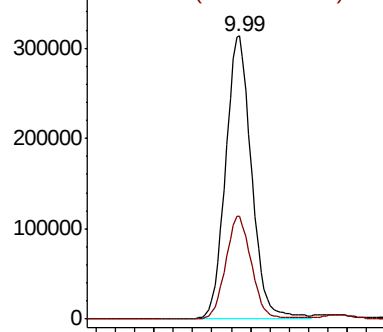
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.494 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054482.D

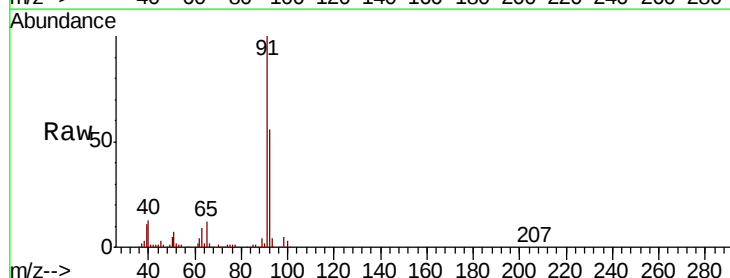
Acq: 21 Mar 2019 00:43

Tgt Ion: 92 Resp: 290099

Ion Ratio Lower Upper

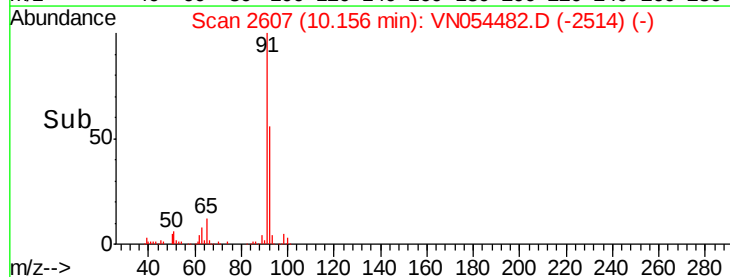
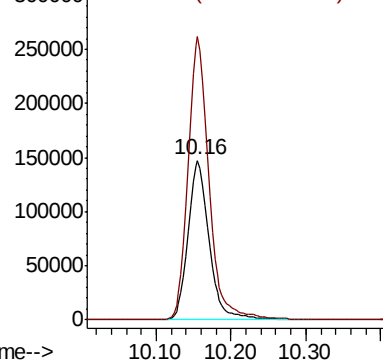
92 100

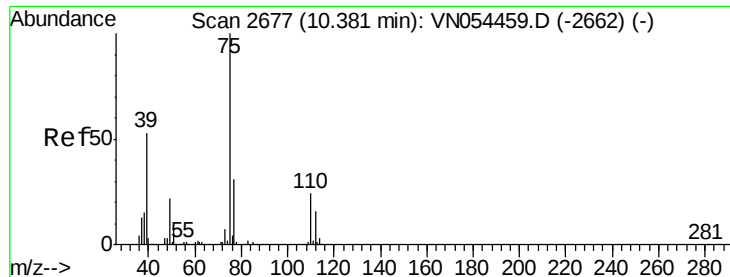
91 176.6 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 18.414 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion: 75 Resp: 136717

Ion Ratio Lower Upper

75 100

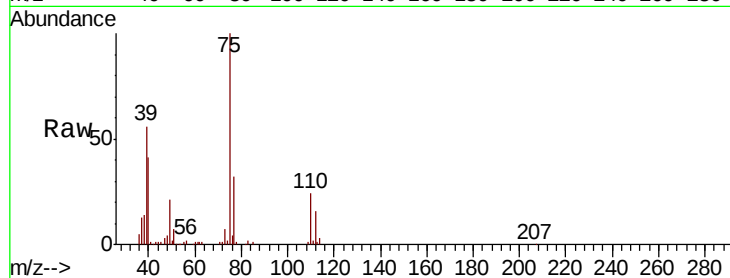
77 31.0 25.8 38.8

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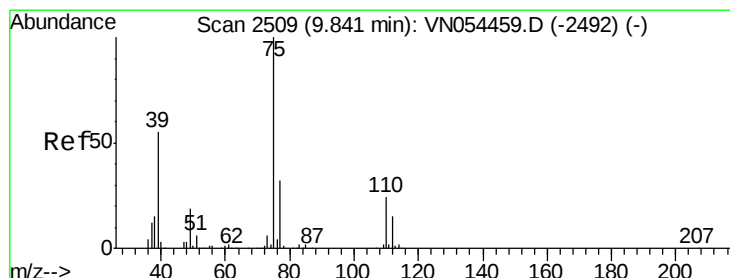
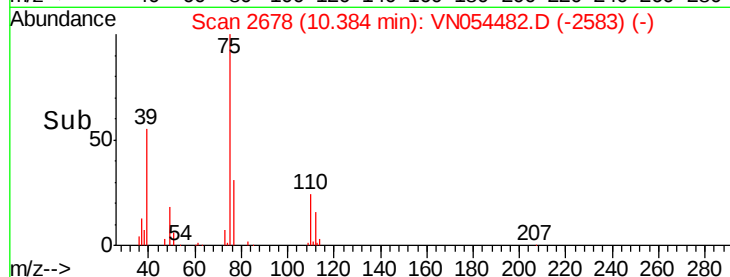
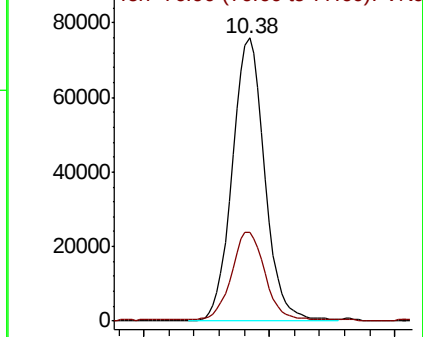
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3/22/2019 3:51:19 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.201 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

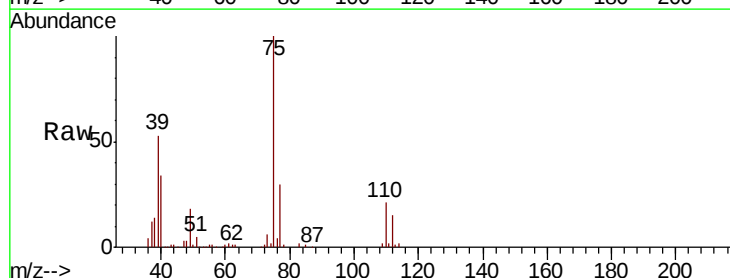
Tgt Ion: 75 Resp: 177225

Ion Ratio Lower Upper

75 100

77 29.8 25.4 38.0

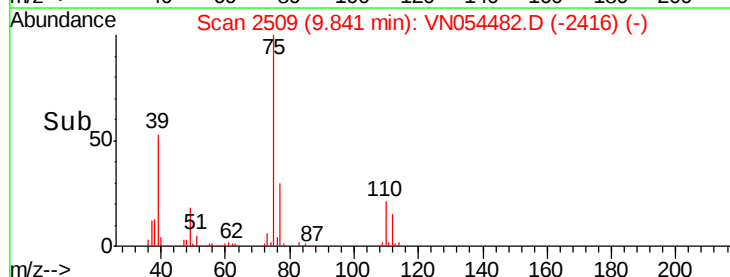
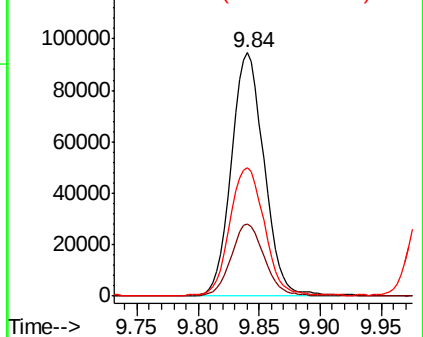
39 52.2 37.2 55.8

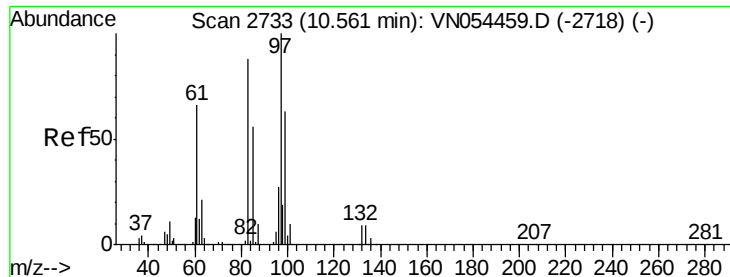


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





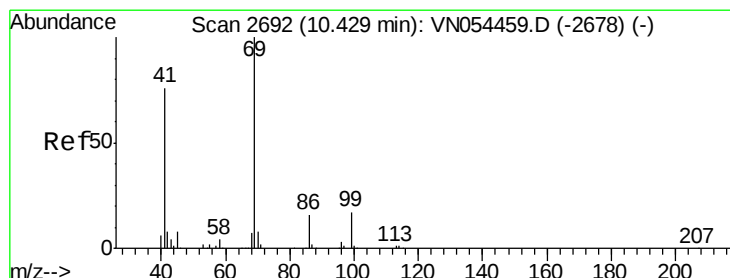
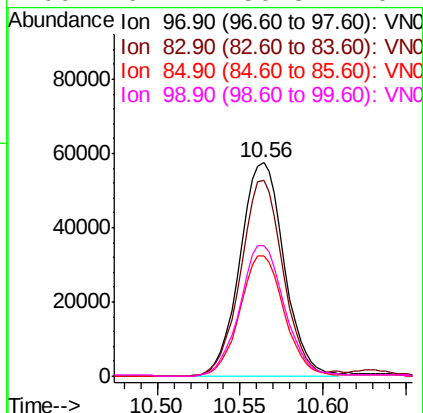
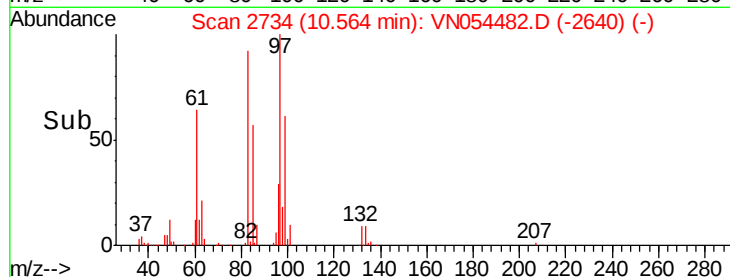
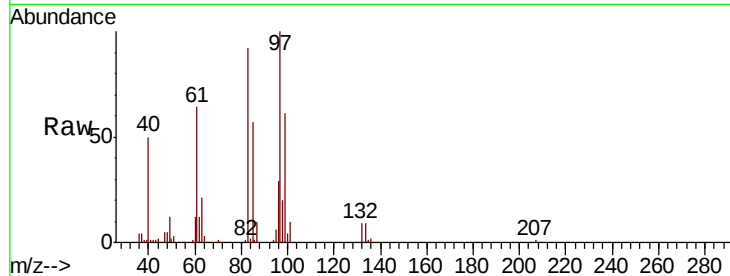
#55
 1,1,2-Trichloroethane
 Concen: 20.953 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tot Ion:	97	Resp:	106617
Ion	Ratio	Lower	Upper
97	100		
83	91.7	66.6	100.0
85	56.6	44.4	66.6
99	61.2	50.8	76.2

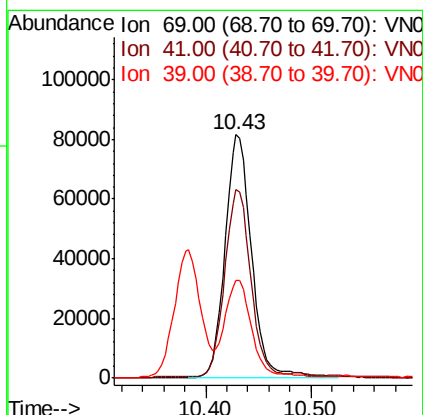
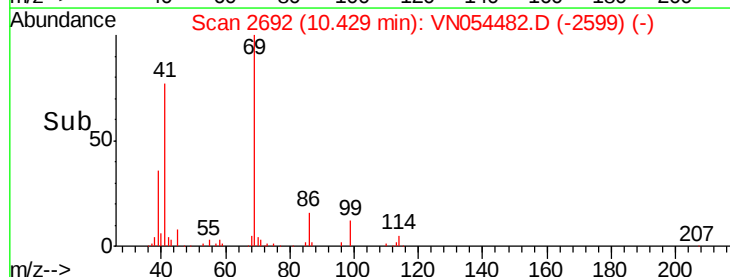
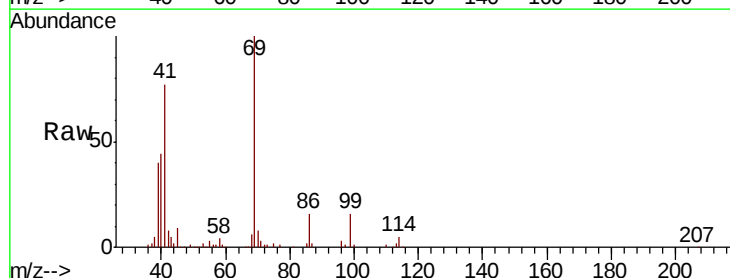
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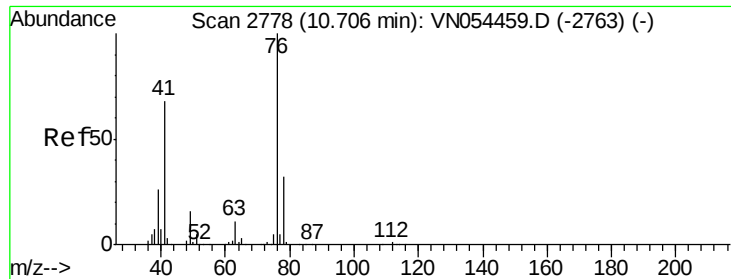
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#56
 Ethyl methacrylate
 Concen: 20.826 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Tgt Ion:	69	Resp:	142229
Ion	Ratio	Lower	Upper
69	100		
41	74.8	49.4	74.2#
39	40.1	28.3	42.5





#57

1,3-Dichloropropane

Concen: 21.108 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion: 76 Resp: 186701

Ion Ratio Lower Upper

76 100

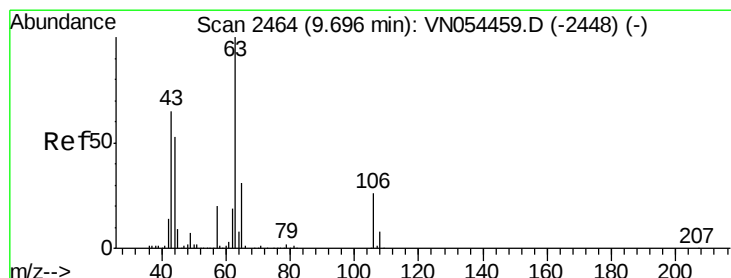
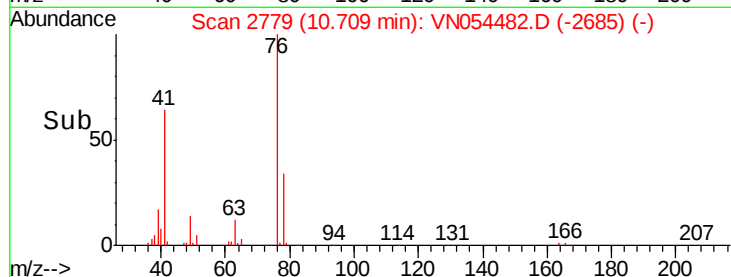
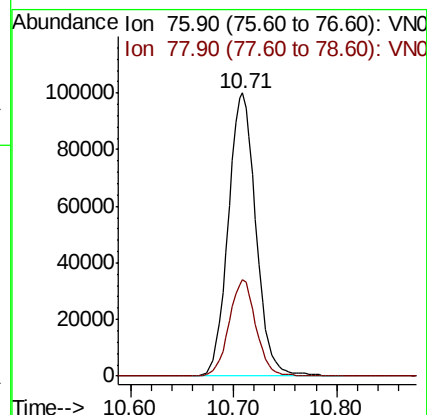
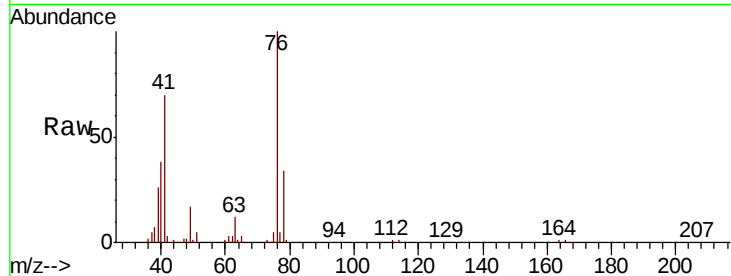
78 33.1 25.7 38.5

Manual Integrations

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3/22/2019 3:51:19 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.890 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054482.D

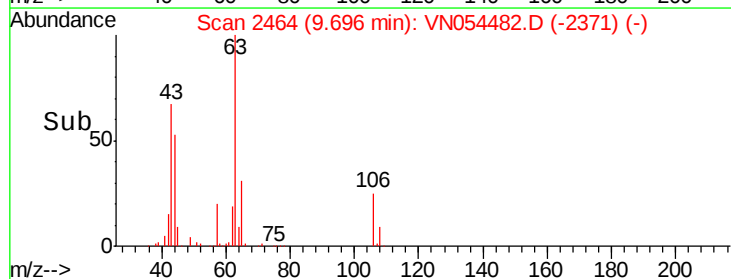
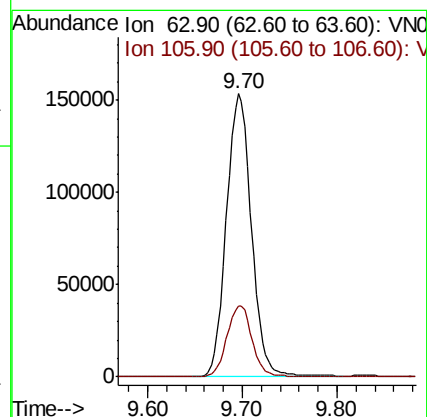
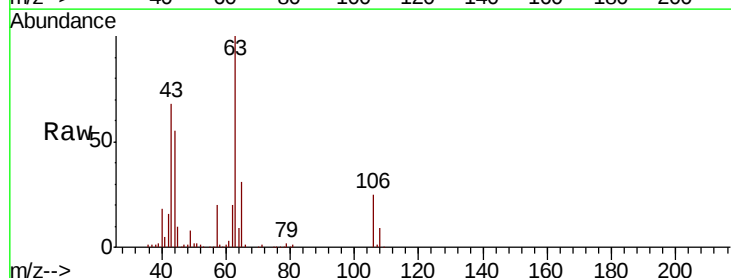
Acq: 21 Mar 2019 00:43

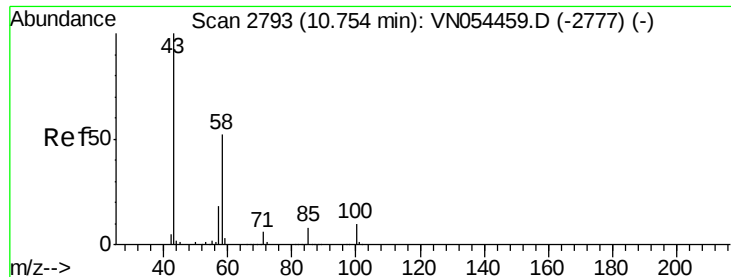
Tgt Ion: 63 Resp: 283726

Ion Ratio Lower Upper

63 100

106 25.3 24.4 36.6





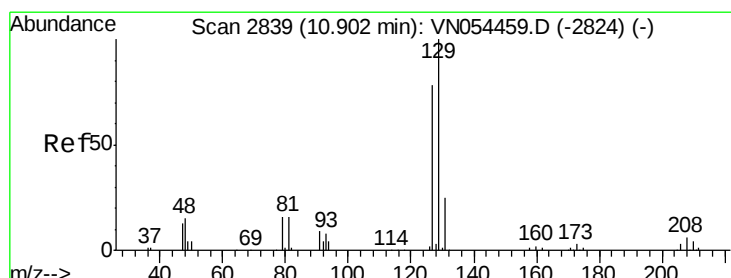
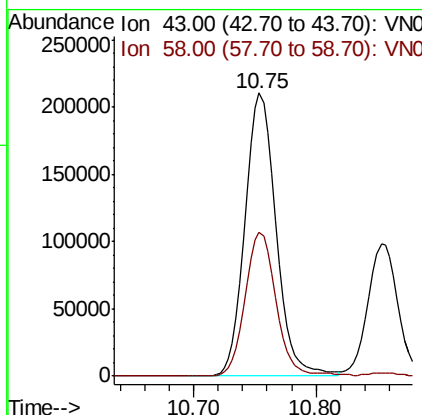
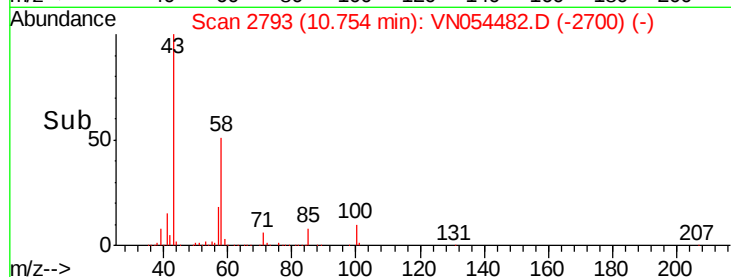
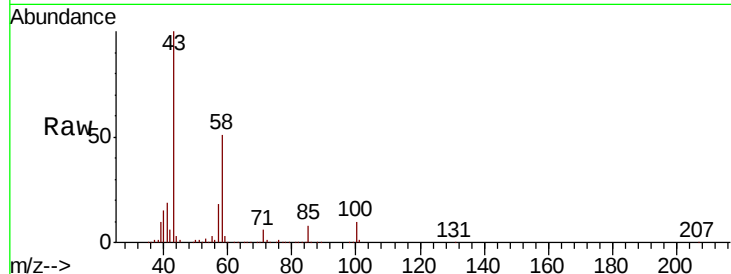
#59
2-Hexanone
Concen: 104.735 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion: 43 Resp: 366537
Ion Ratio Lower Upper
43 100
58 50.8 28.0 83.9

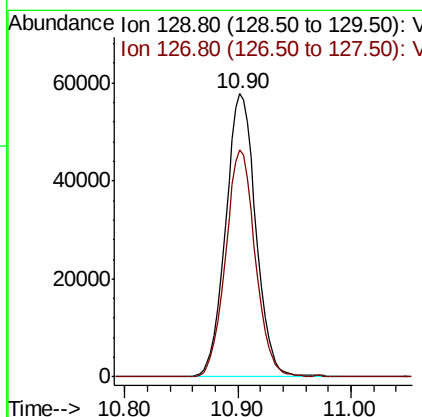
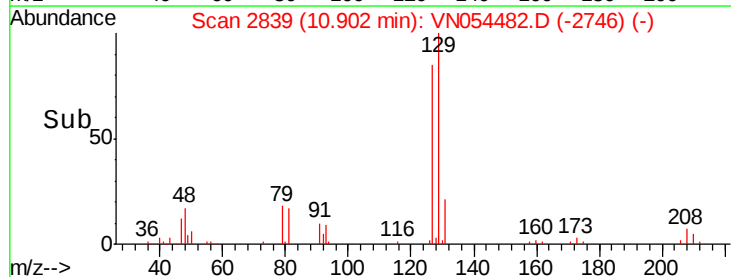
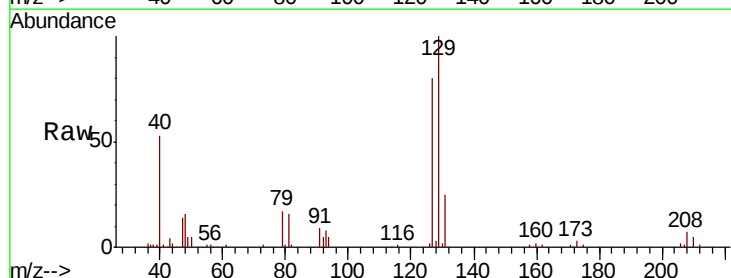
Manual Integrations
APPROVED

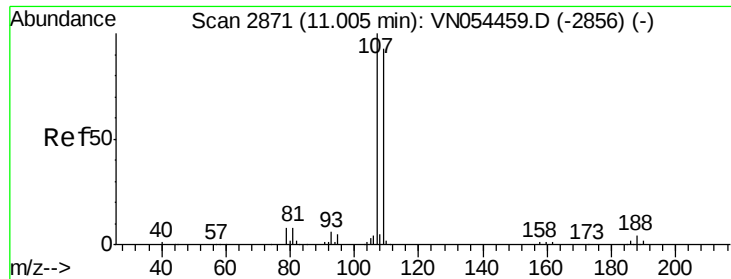
MMDadoda
3/22/2019 3:51:19 PM



#60
Dibromochloromethane
Concen: 19.790 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion: 129 Resp: 107149
Ion Ratio Lower Upper
129 100
127 78.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.814 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion:107 Resp: 104701

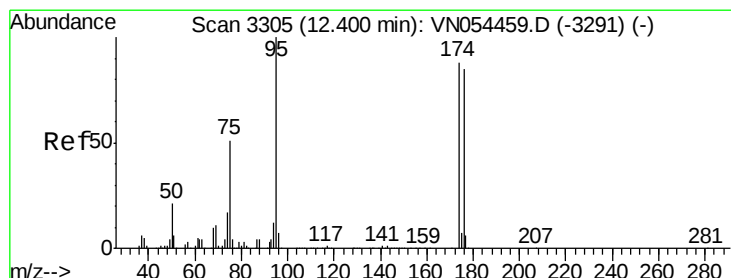
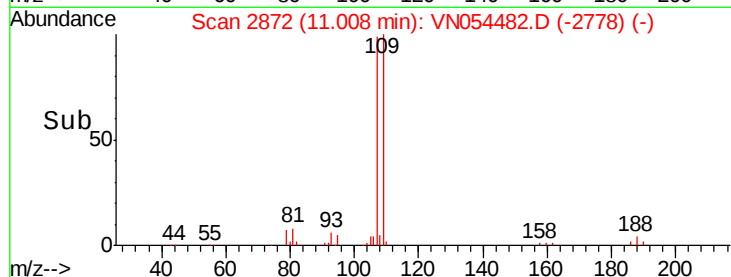
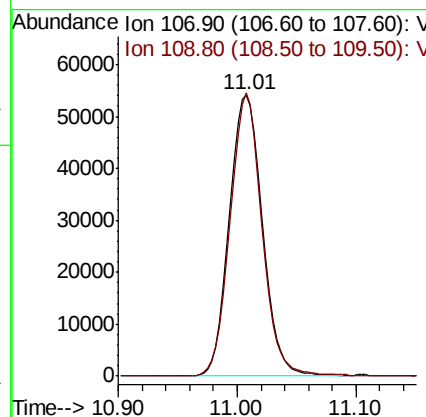
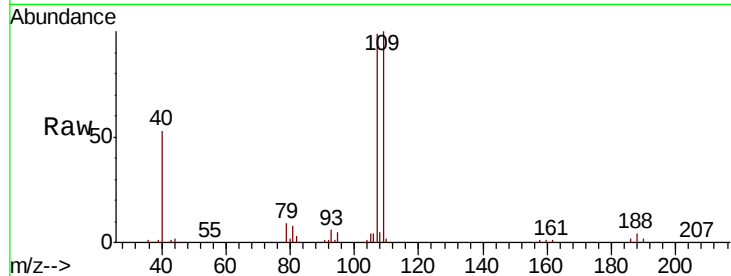
Ion Ratio Lower Upper

107 100

109 96.4 75.9 113.9

Manual Integrations
APPROVED

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3/22/2019 3:51:19 PM



#62

4-Bromofluorobenzene

Concen: 50.836 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

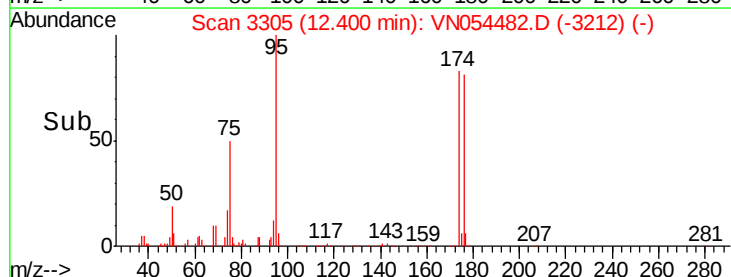
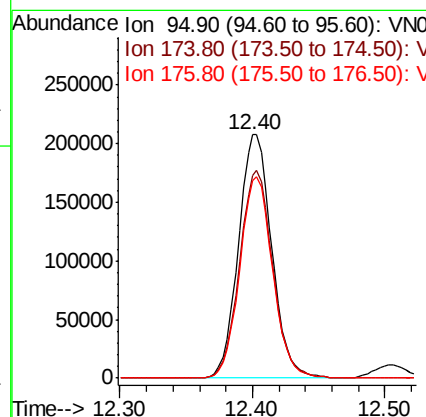
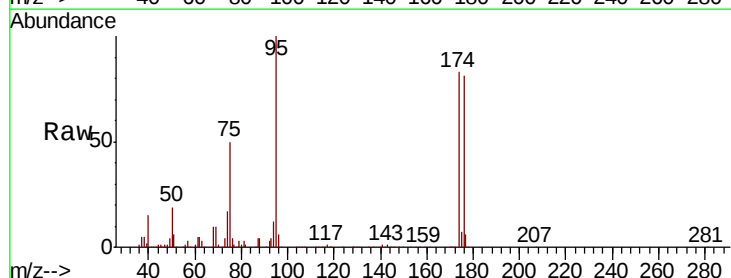
Tgt Ion: 95 Resp: 360645

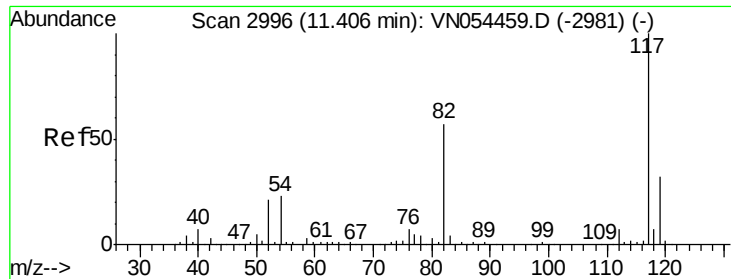
Ion Ratio Lower Upper

95 100

174 85.3 0.0 191.0

176 82.1 0.0 187.4





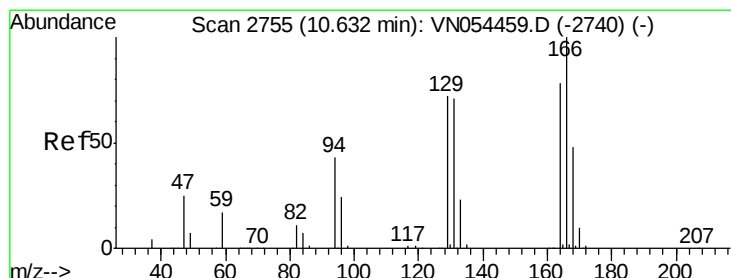
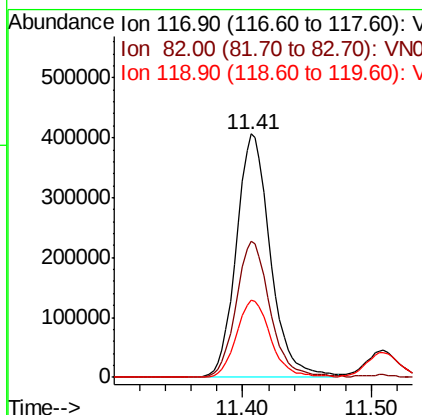
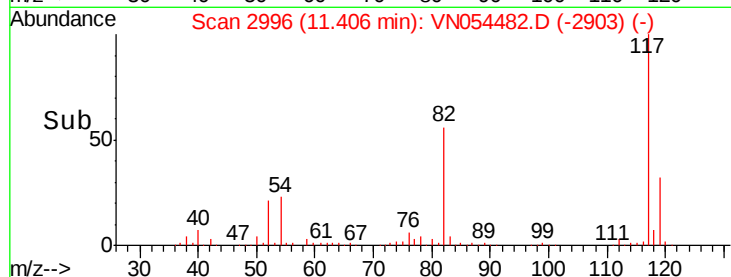
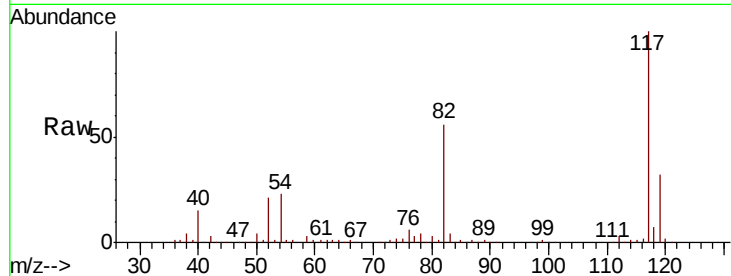
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampled :
VN0320WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	40.0	60.0
119	31.7	25.8	38.6

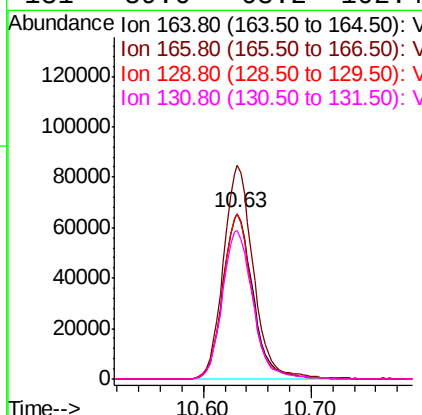
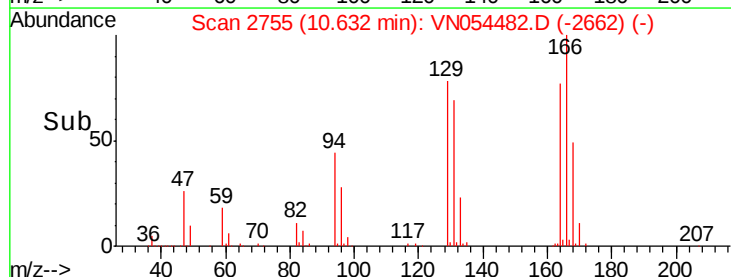
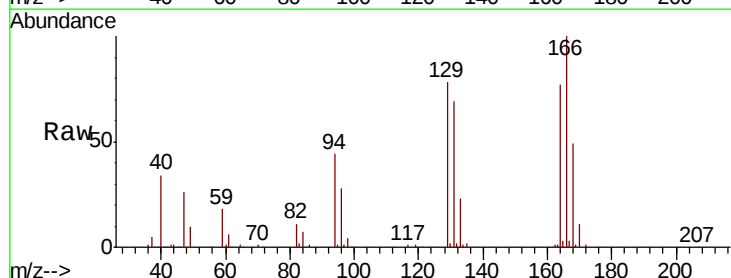
Manual Integrations
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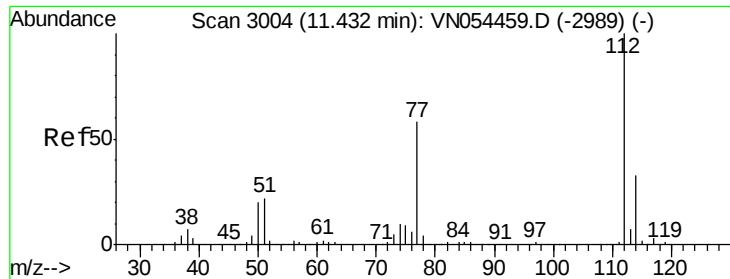
MMDadoda
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#64
Tetrachloroethene
Concen: 20.601 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.9	155.9
129	100.2	71.1	106.7
131	89.6	68.2	102.4





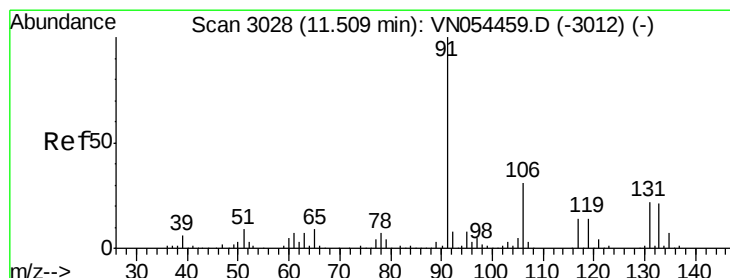
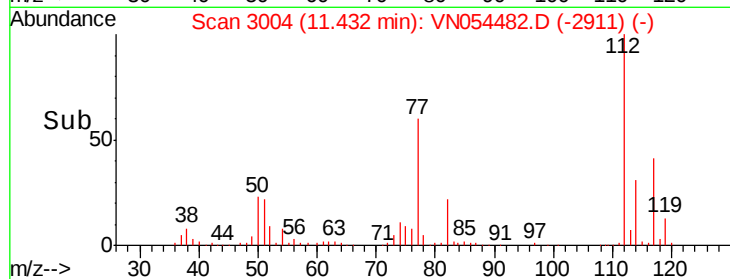
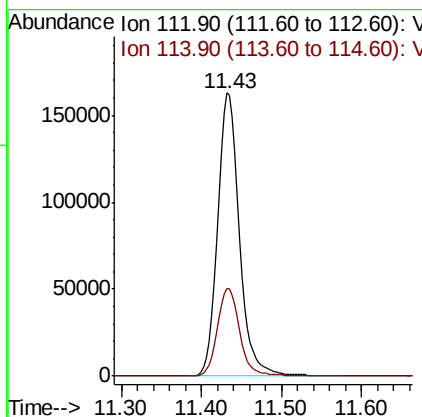
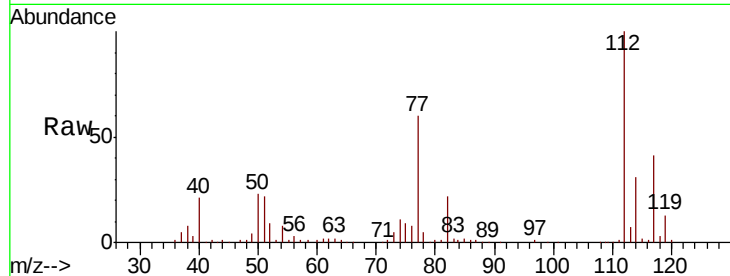
#65
Chlorobenzene
Concen: 20.307 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion:112 Resp: 307915
Ion Ratio Lower Upper
112 100
114 31.0 25.9 38.9

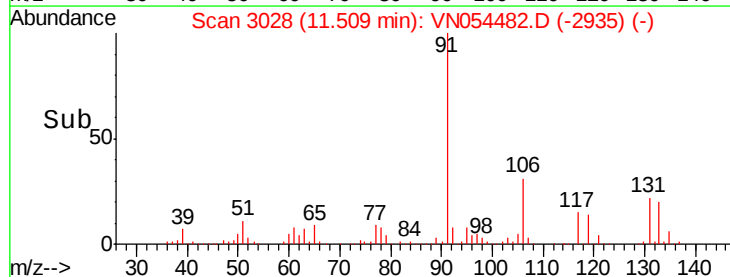
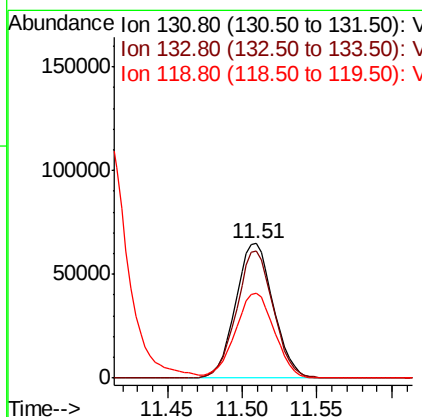
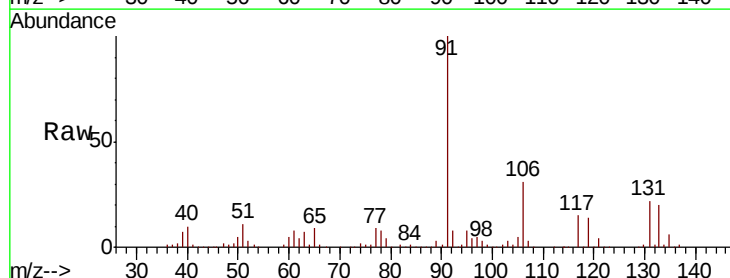
Manual Integrations
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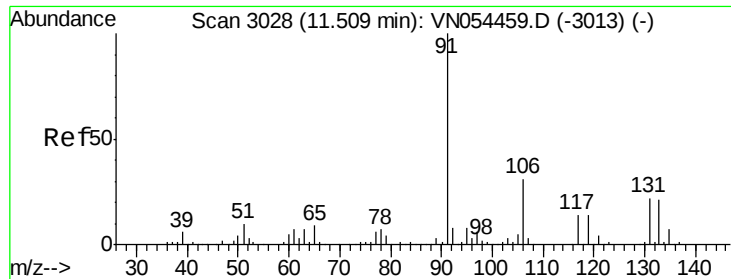
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3/22/2019 3:51:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.964 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion:131 Resp: 114092
Ion Ratio Lower Upper
131 100
133 92.1 47.6 142.9
119 65.2 32.4 97.0





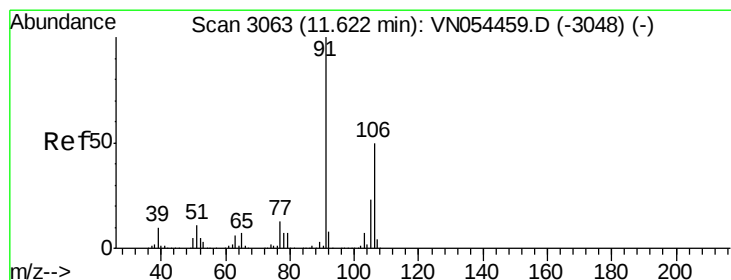
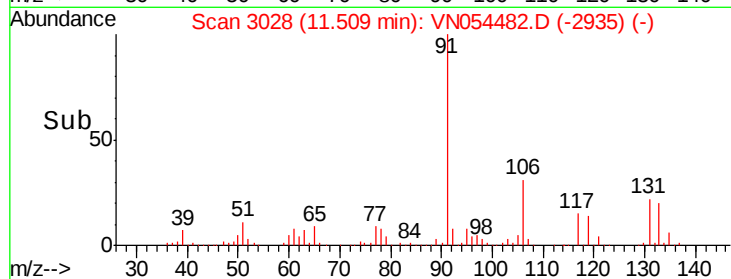
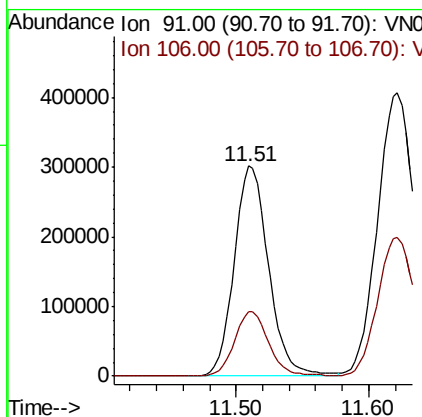
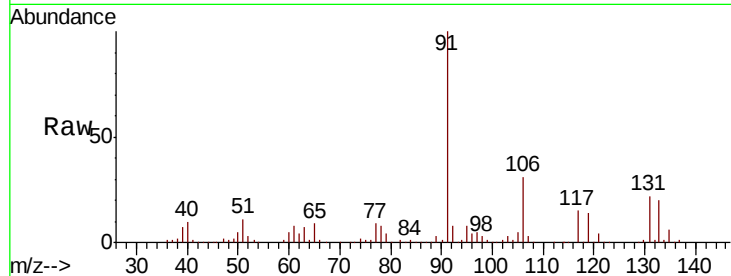
#67
Ethyl Benzene
Concen: 20.332 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion: 91 Resp: 544560
Ion Ratio Lower Upper
91 100
106 30.8 25.5 38.3

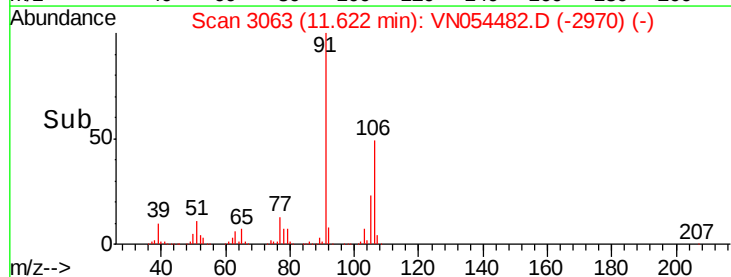
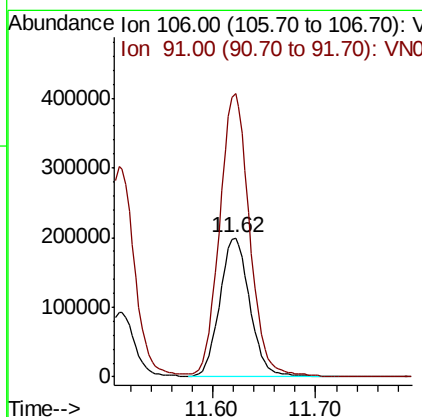
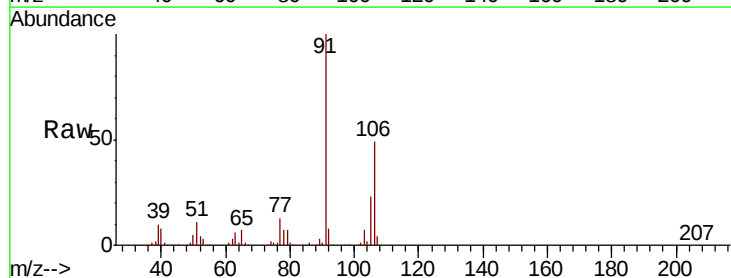
Manual Integrations
APPROVED

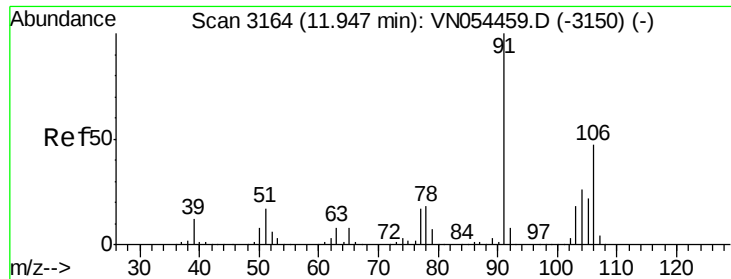
MMDadoda
3/22/2019 3:51:19 PM



#68
m/p-Xylenes
Concen: 40.071 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion: 106 Resp: 406525
Ion Ratio Lower Upper
106 100
91 202.9 159.4 239.2





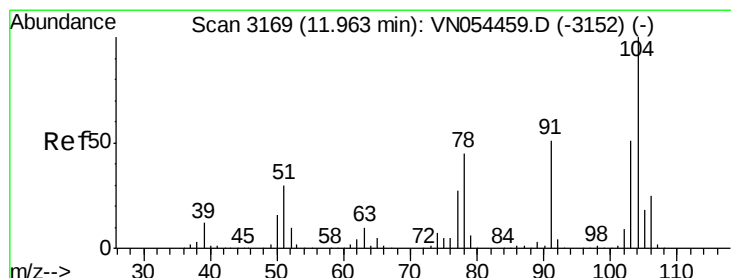
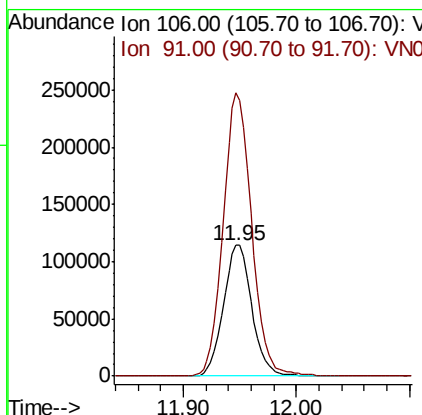
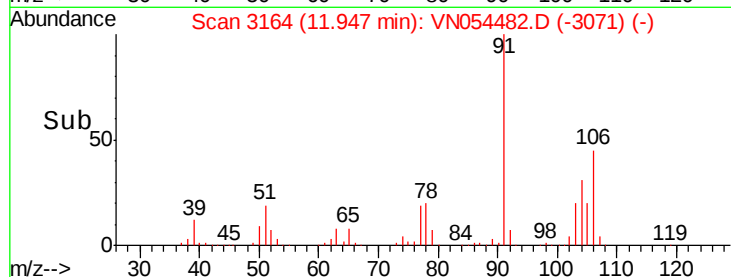
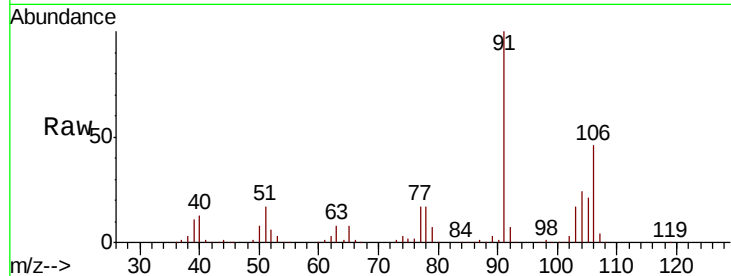
#69
o-Xylene
Concen: 20.150 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion:106 Resp: 199643
Ion Ratio Lower Upper
106 100
91 217.2 105.7 317.1

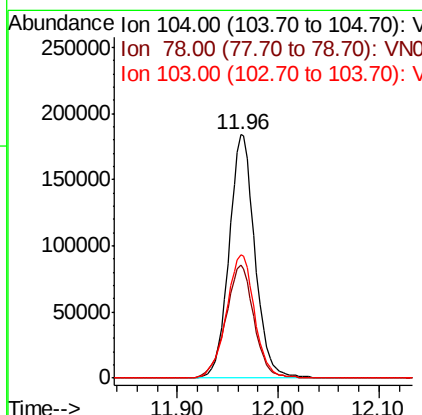
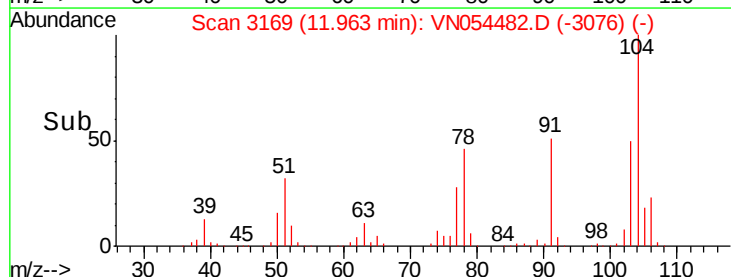
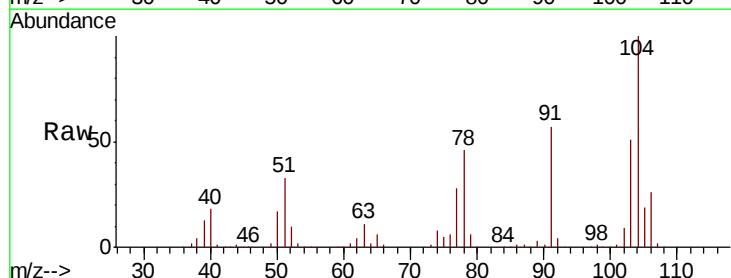
Manual Integrations
APPROVED

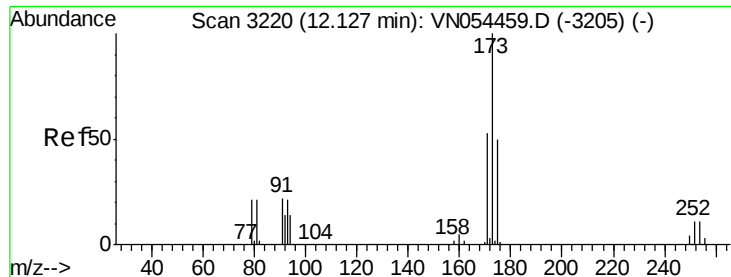
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#70
Styrene
Concen: 20.402 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion:104 Resp: 328261
Ion Ratio Lower Upper
104 100
78 50.9 38.2 57.2
103 55.5 44.4 66.6





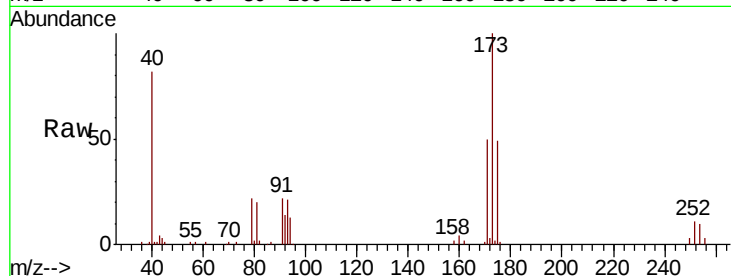
#71
Bromoform
Concen: 18.702 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.0	0.1	0.1#

Manual Integrations
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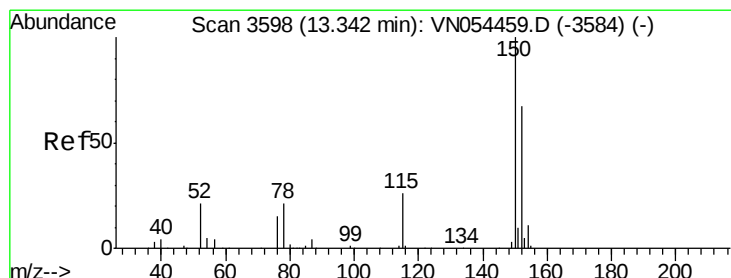
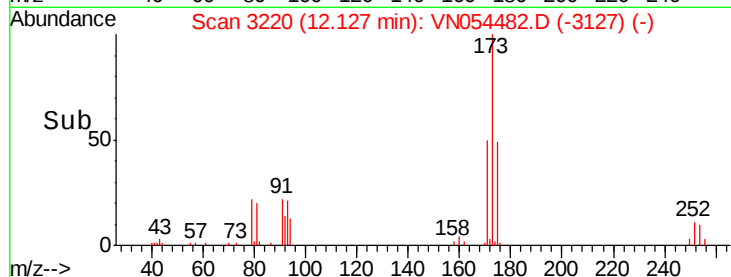
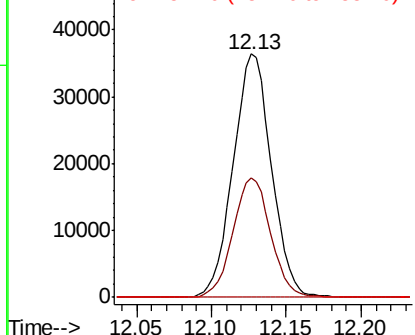


Abundance

Ion 172.70 (172.40 to 173.40): V

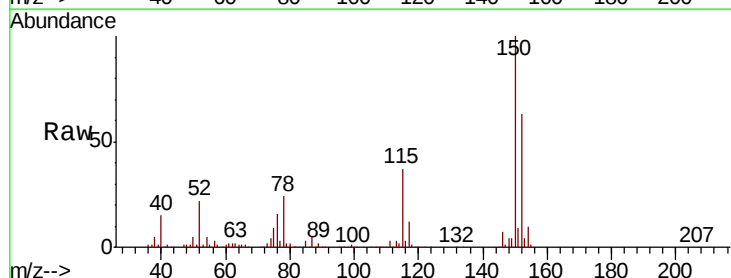
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	27.2	81.6
150	163.4	0.0	349.2

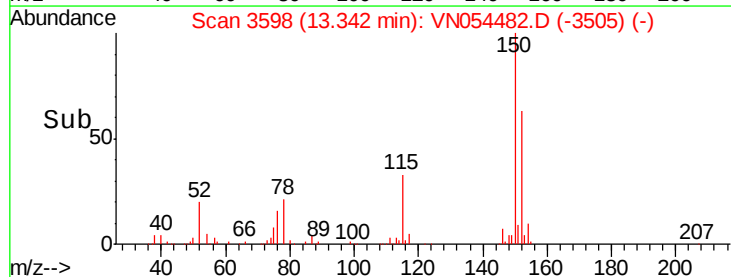
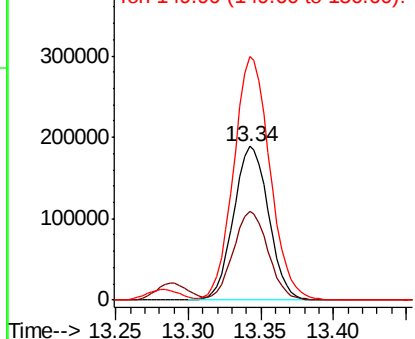


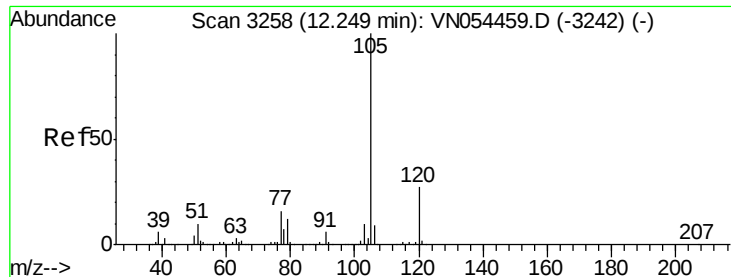
Abundance

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: 20.804 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

VN0320WBSD01

Tot Ion: 105 Resp: 531684

Ion Ratio Lower Upper

105 100

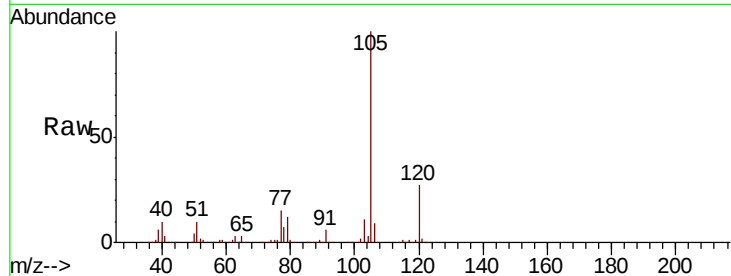
120 27.1 13.8 41.3

Manual Integrations

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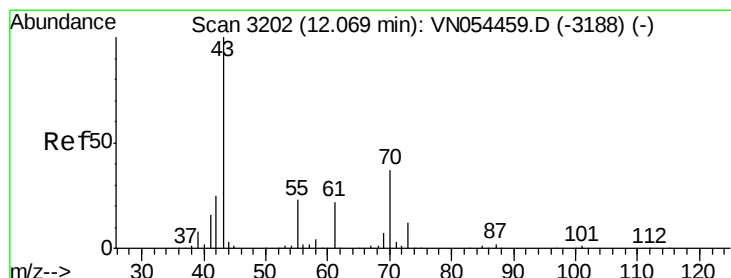
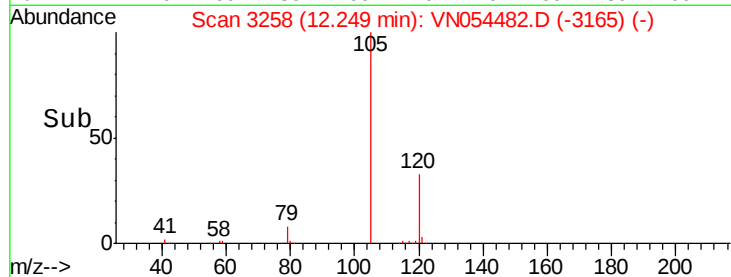
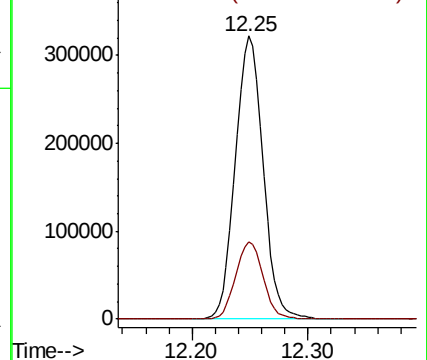
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.363 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Tgt Ion: 43 Resp: 164335

Ion Ratio Lower Upper

43 100

70 37.6 35.4 53.0

55 24.2 19.8 29.6

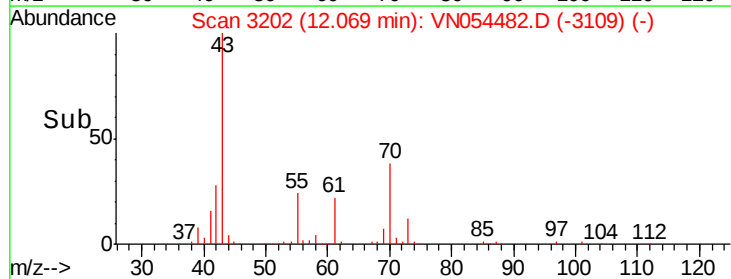
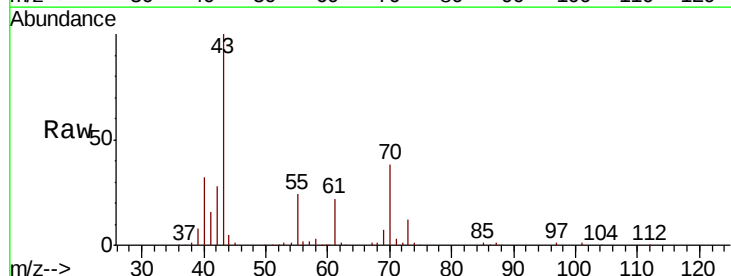
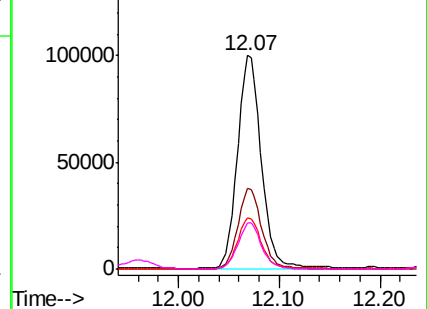
61 21.5 19.8 29.6

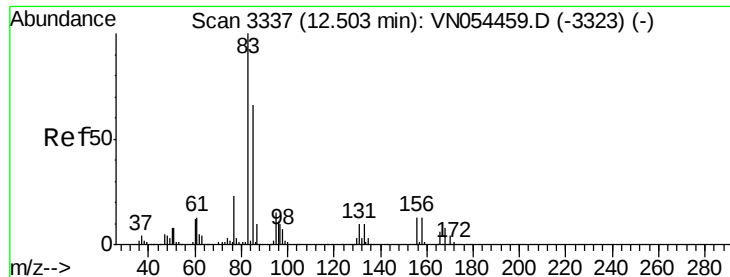
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.874 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

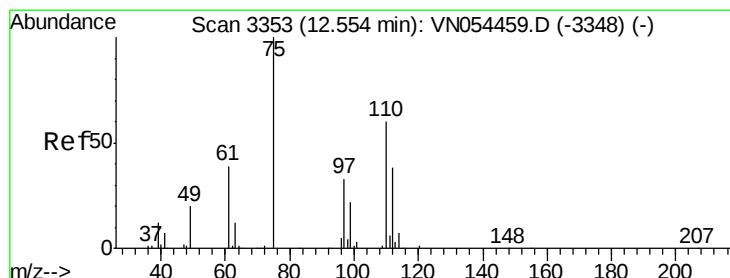
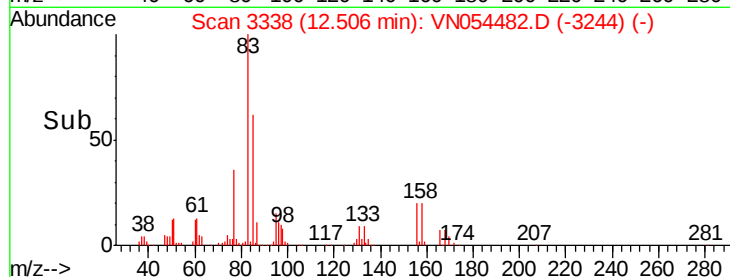
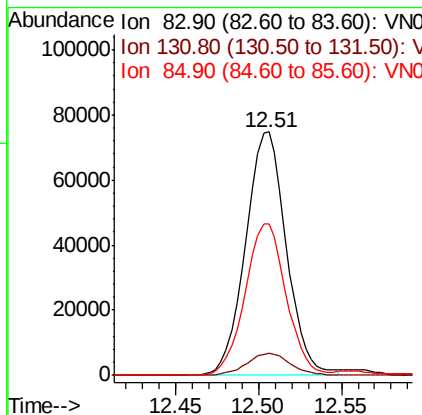
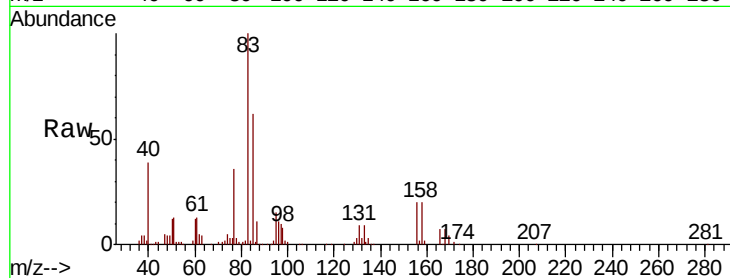
ClientSampleId :

VN0320WBSD01

Tot Ion:	83	Resp:	127613
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.8	17.4
85	62.6	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.402 ug/l m

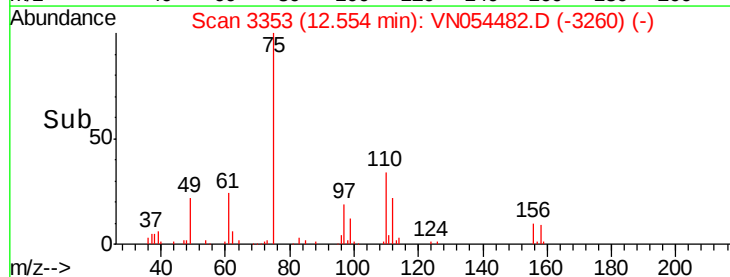
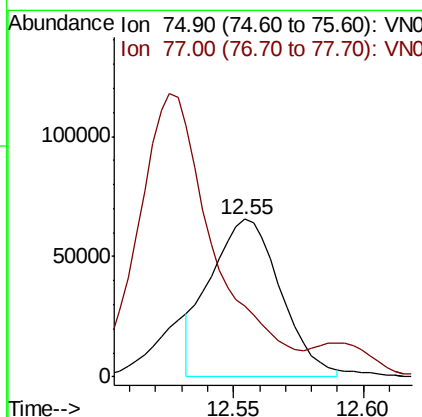
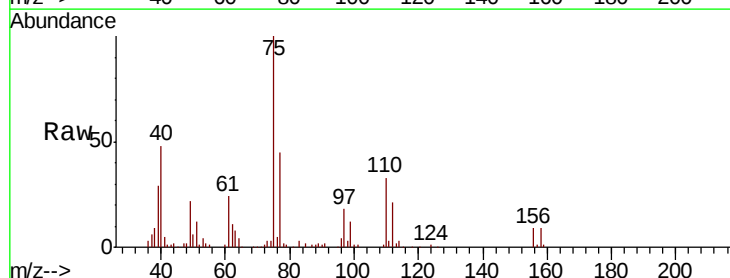
RT: 12.55 min Scan# 3353

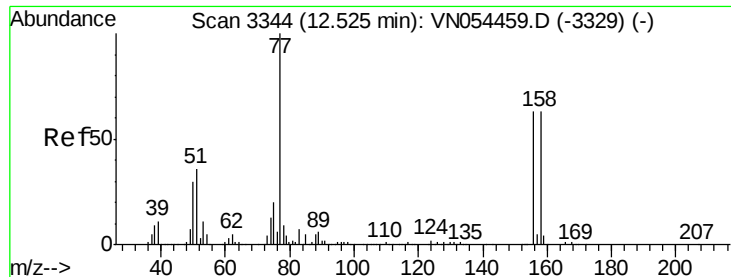
Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Tgt Ion:	75	Resp:	122810
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.775 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

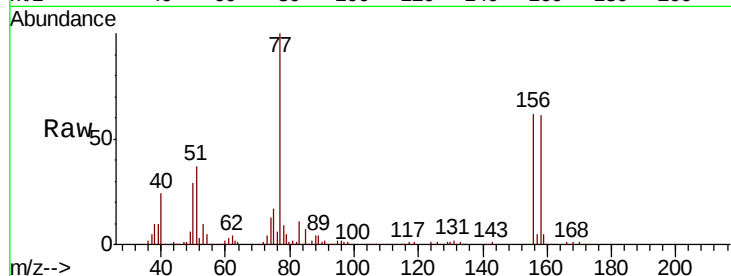
ClientSampleId :

VN0320WBSD01

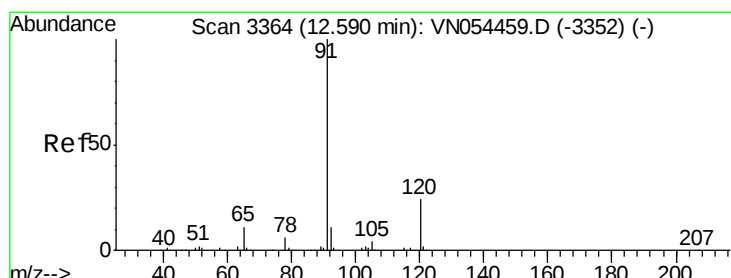
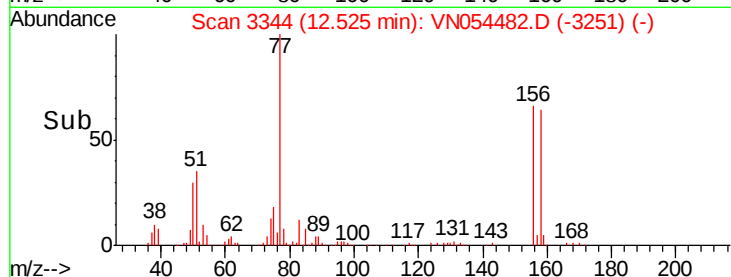
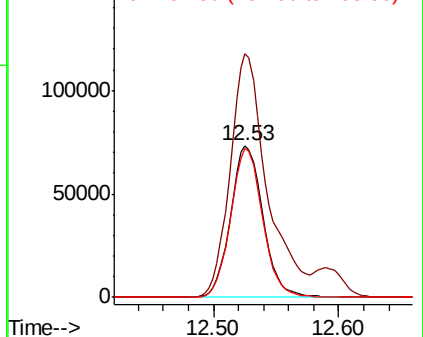
Tot Ion:	156	Resp:	131681
Ion Ratio	Lower	Upper	
156	100		
77	183.7	81.5	244.4
158	96.4	49.0	147.2

Manual Integrations
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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: 20.728 ug/l

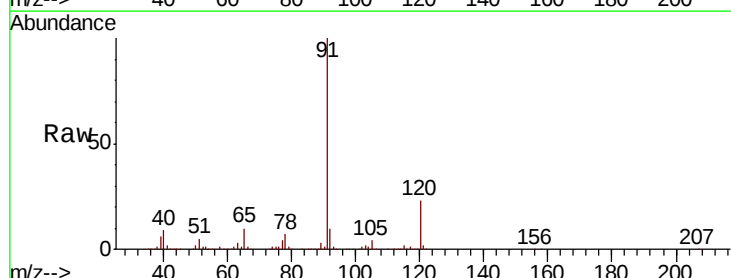
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

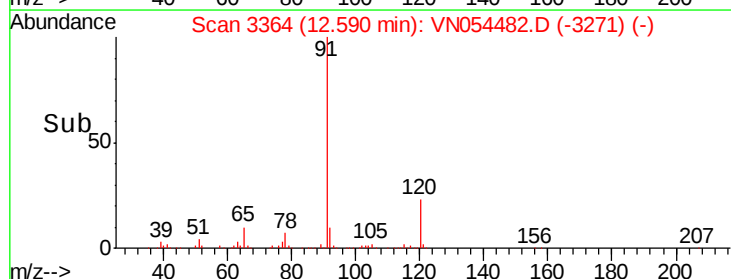
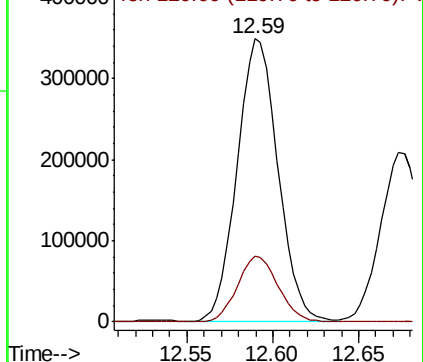
Lab File: VN054482.D

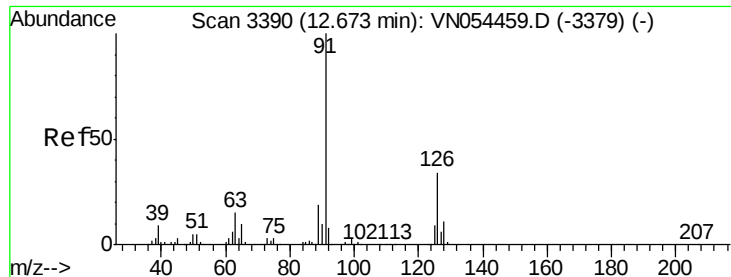
Acq: 21 Mar 2019 00:43

Tgt Ion:	91	Resp:	574421
Ion Ratio	Lower	Upper	
91	100		
120	23.3	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: 20.524 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion: 91 Resp: 354694

Ion Ratio Lower Upper

91 100

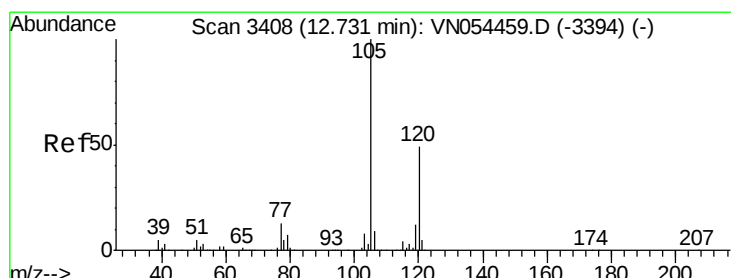
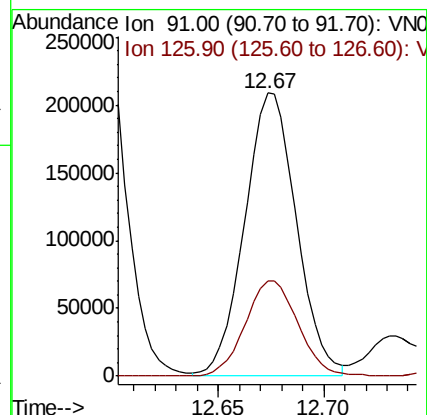
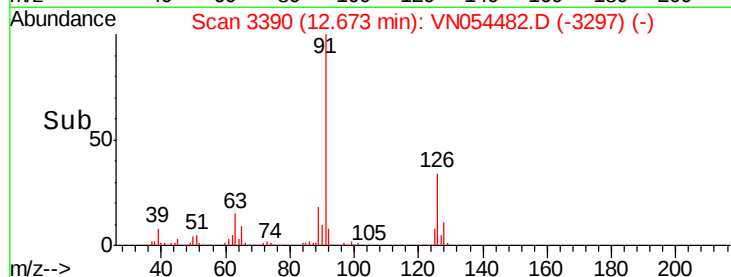
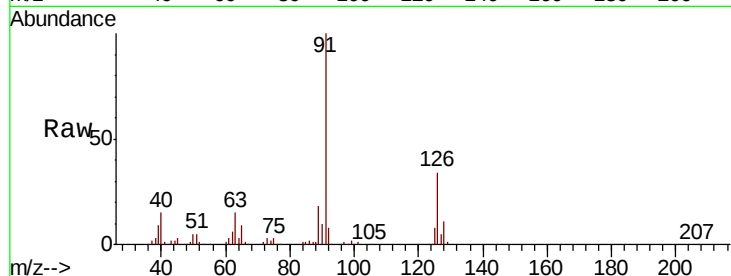
126 34.7 18.7 56.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.679 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054482.D

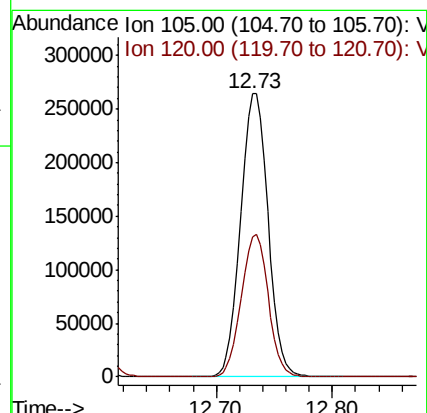
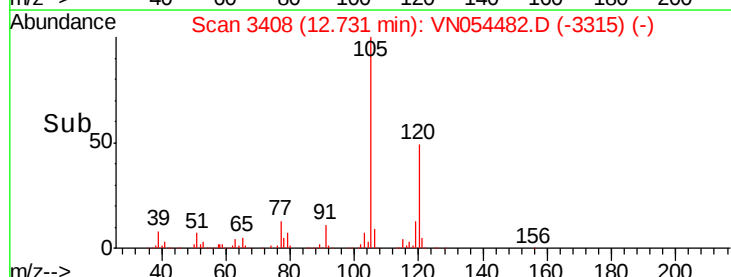
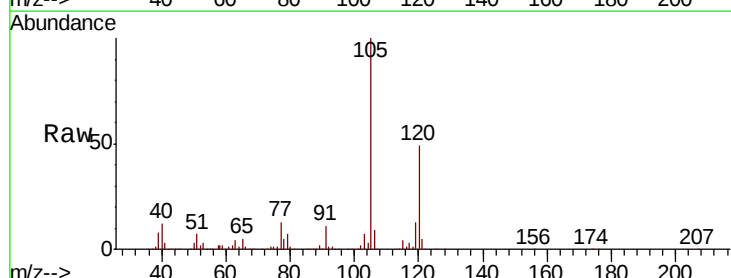
Acq: 21 Mar 2019 00:43

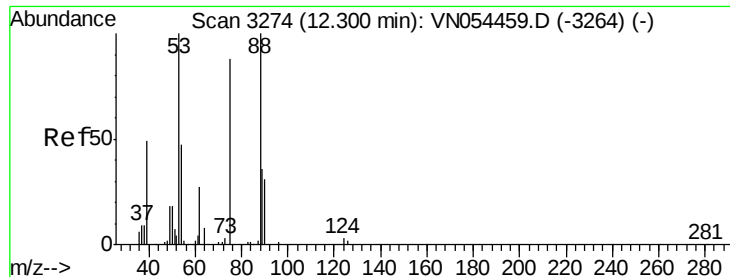
Tgt Ion: 105 Resp: 433149

Ion Ratio Lower Upper

105 100

120 49.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.258 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion: 75 Resp: 21957

Ion Ratio Lower Upper

75 100

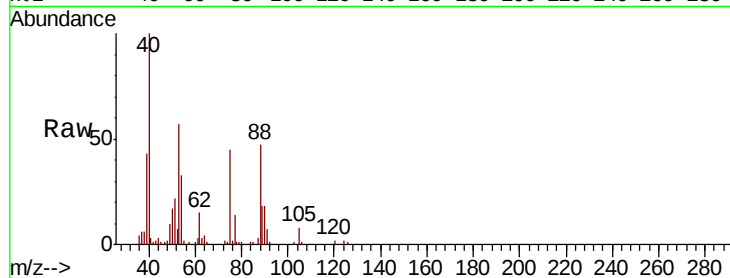
53 130.5 76.2 114.2#

89 44.2 39.2 58.8

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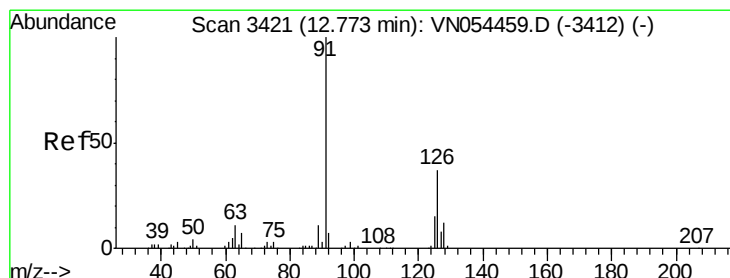
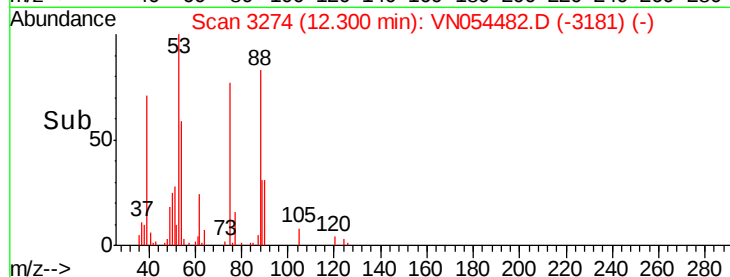
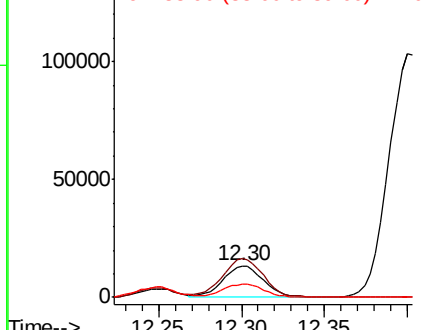
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.733 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054482.D

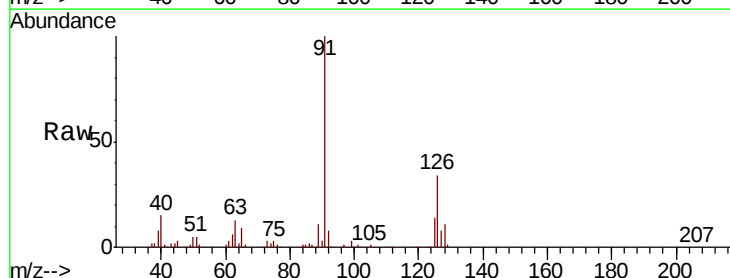
Acq: 21 Mar 2019 00:43

Tgt Ion: 91 Resp: 347309

Ion Ratio Lower Upper

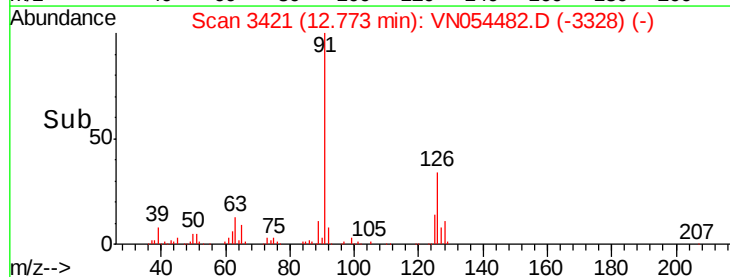
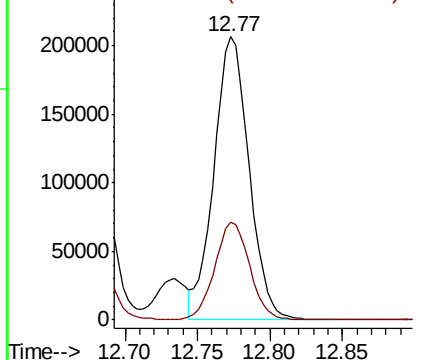
91 100

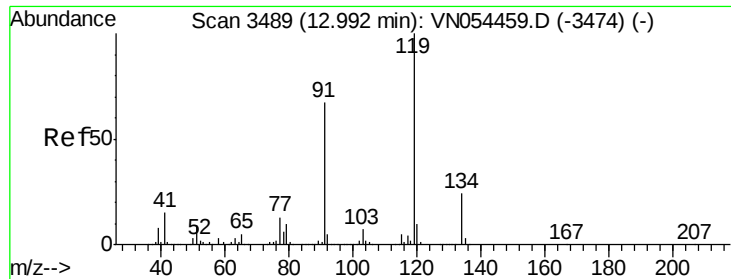
126 34.2 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





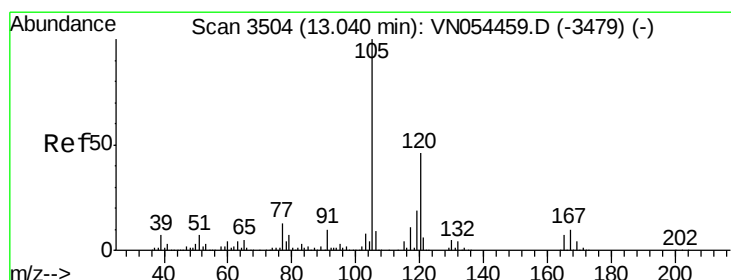
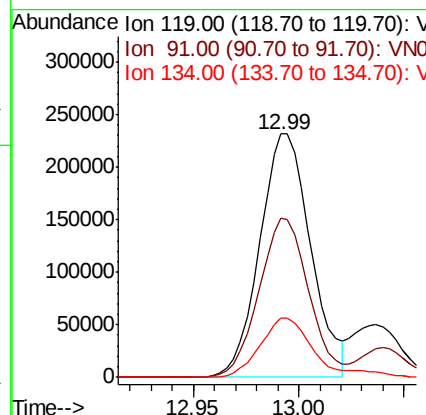
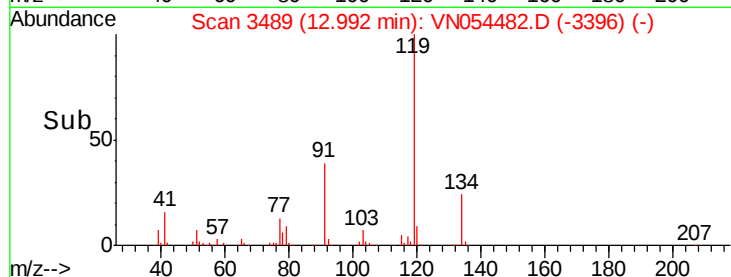
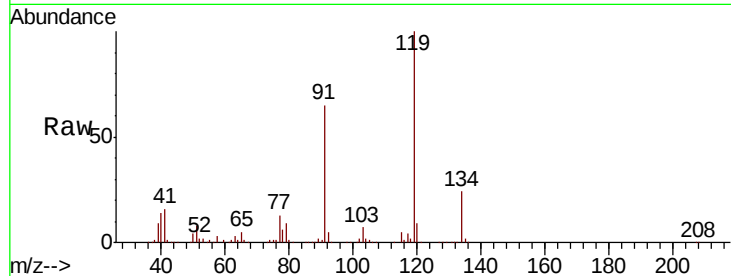
#83
tert-Butylbenzene
Concen: 21.357 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	30.9	92.8
134	25.9	13.2	39.6

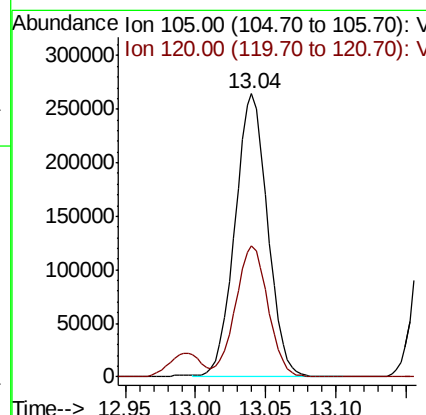
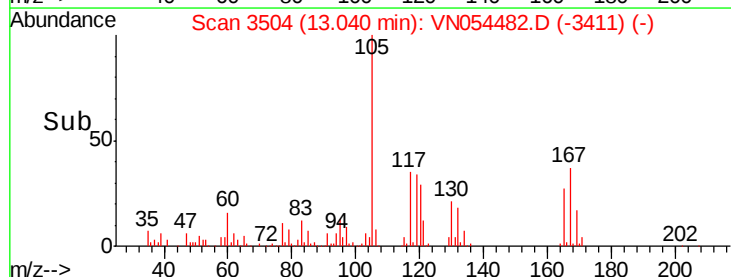
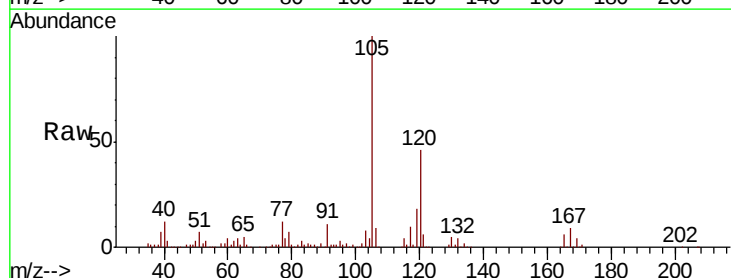
Manual Integrations
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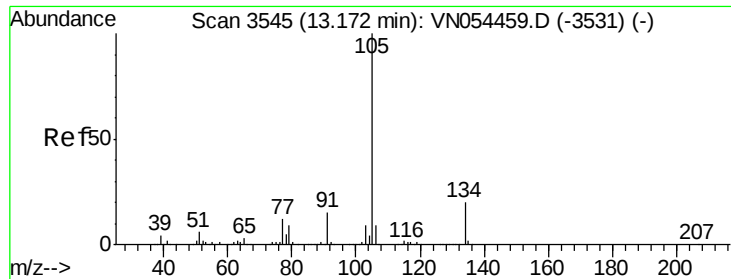
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#84
1,2,4-Trimethylbenzene
Concen: 20.837 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.4	70.3





#85

sec-Butylbenzene

Concen: 21.333 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

VN0320WBSD01

Tot Ion:105 Resp: 484869

Ion Ratio Lower Upper

105 100

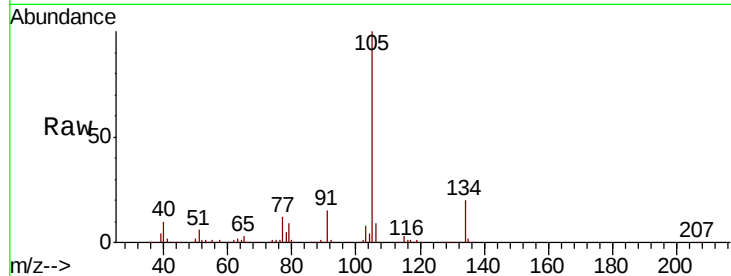
134 19.8 10.7 32.1

Manual Integrations

APPROVED

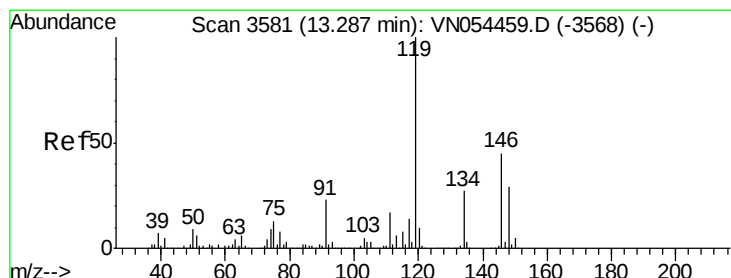
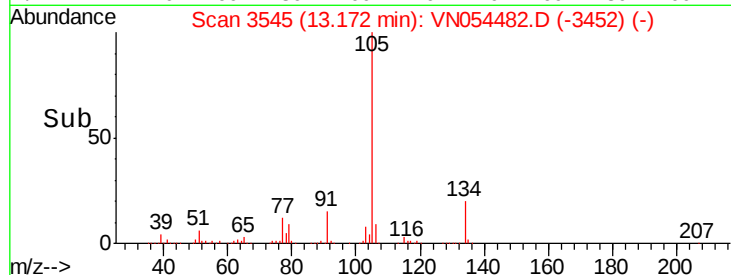
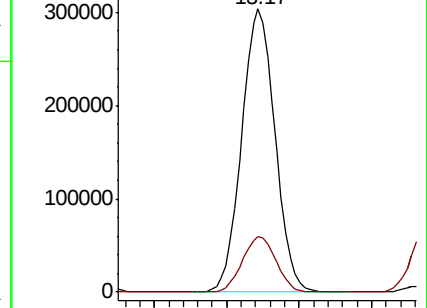
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.878 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054482.D

Acq: 21 Mar 2019 00:43

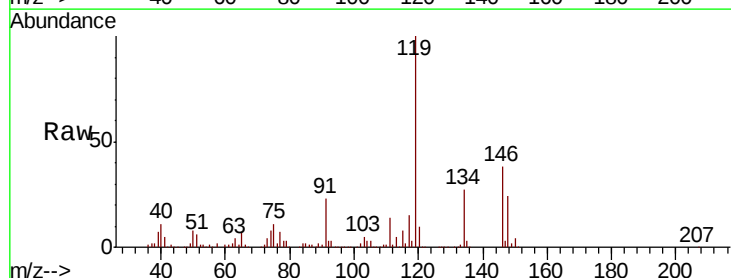
Tgt Ion:119 Resp: 424542

Ion Ratio Lower Upper

119 100

134 26.6 13.6 40.8

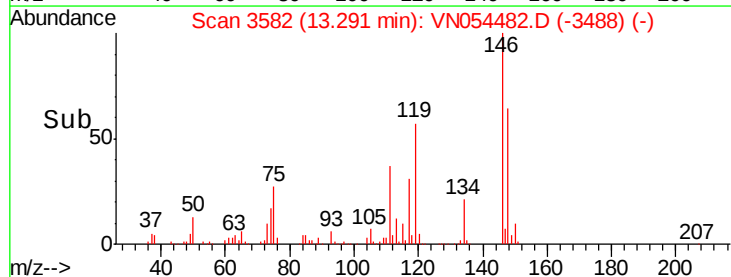
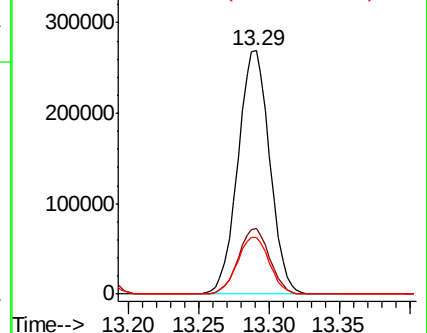
91 23.6 11.1 33.3

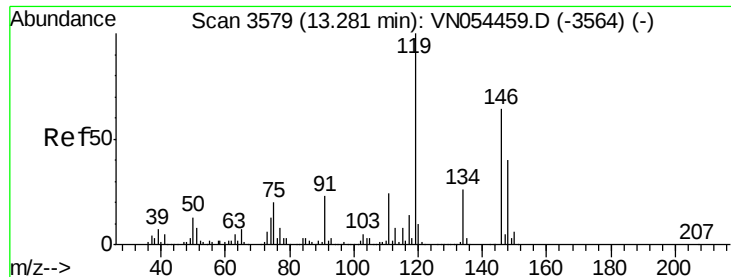


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





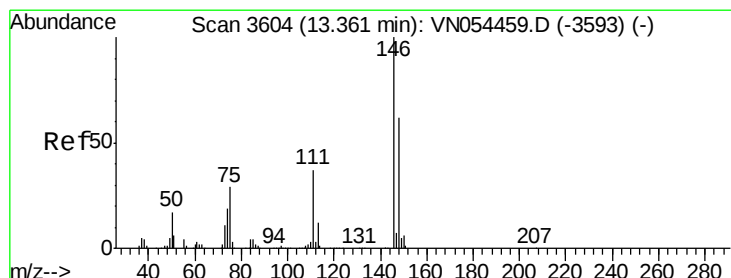
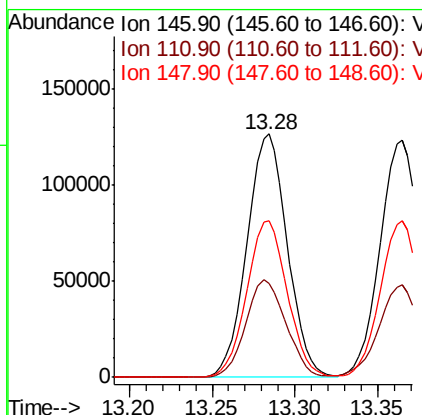
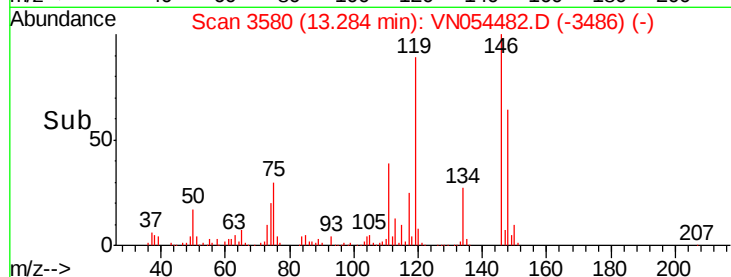
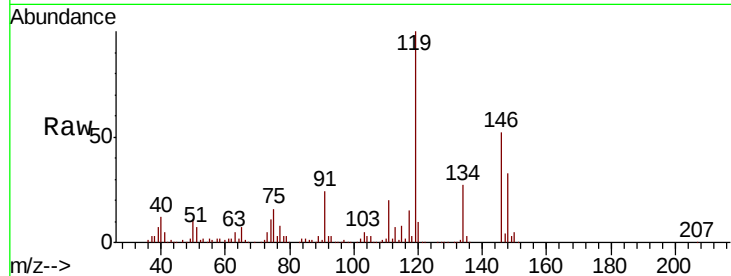
#87
 1,3-Dichlorobenzene
 Concen: 20.374 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.8	56.3
148	64.7	32.2	96.6

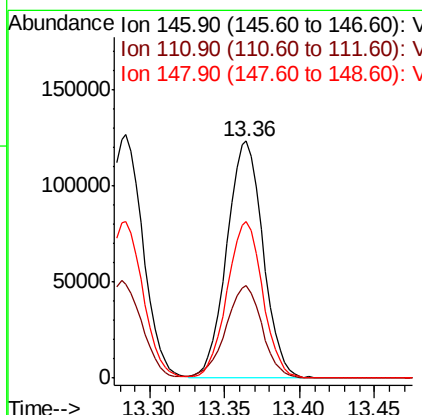
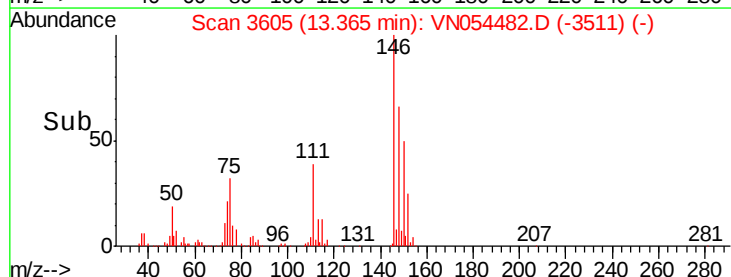
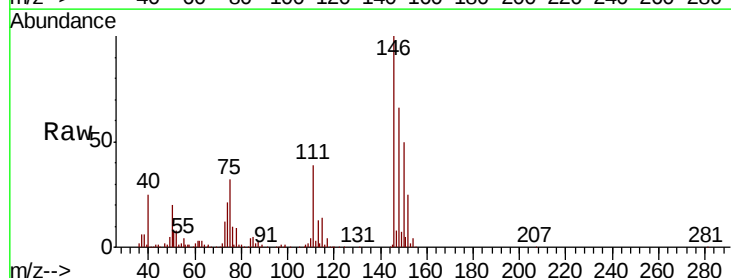
Manual Integrations
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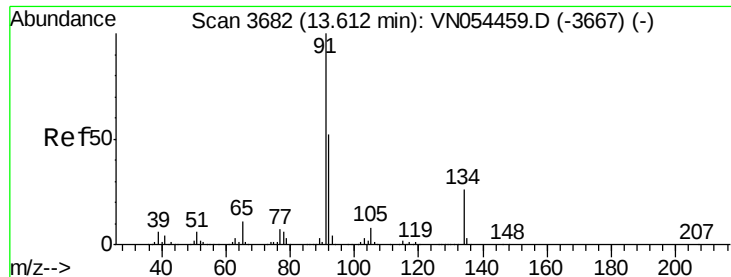
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#88
 1,4-Dichlorobenzene
 Concen: 20.336 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.1	54.1
148	65.0	32.0	96.0





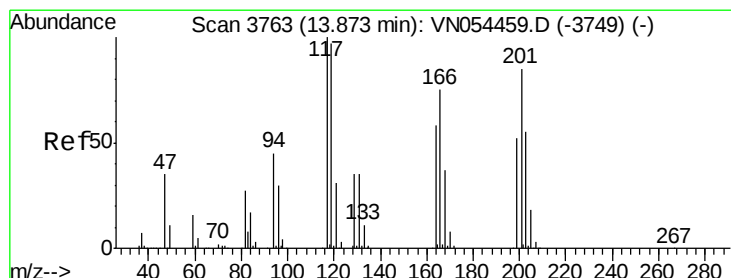
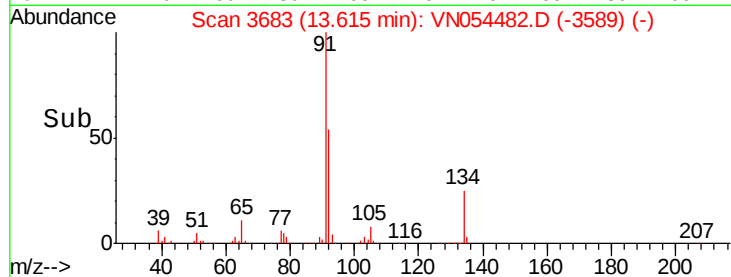
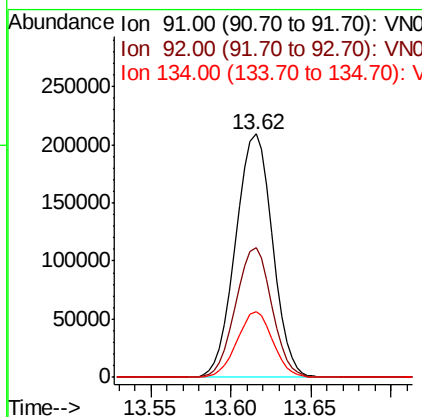
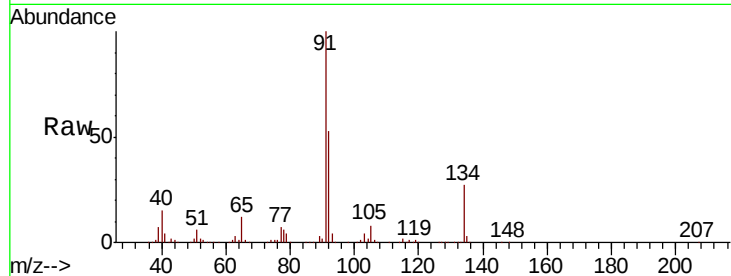
#89
n-Butylbenzene
Concen: 20.658 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.6
134	26.1	14.3	42.9

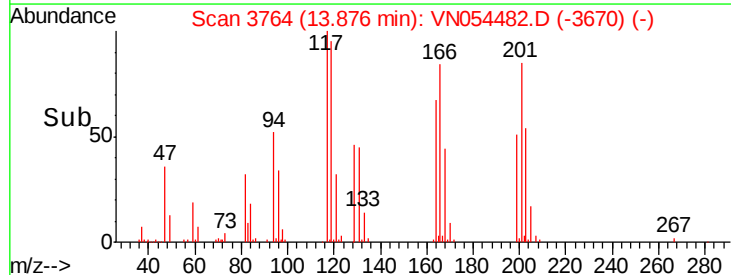
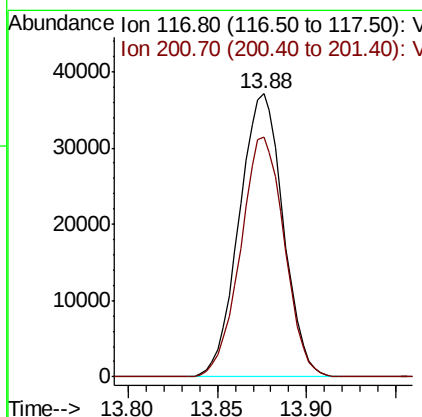
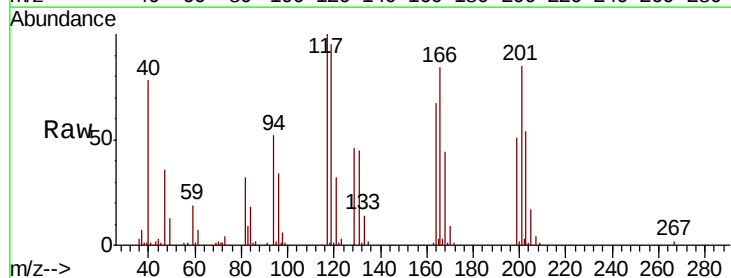
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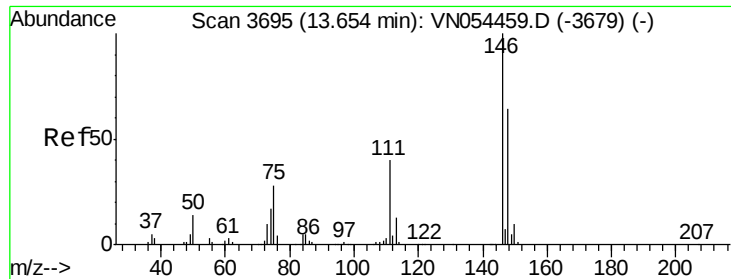
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3/22/2019 3:51:19 PM



#90
Hexachloroethane
Concen: 20.184 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	48.1	144.4





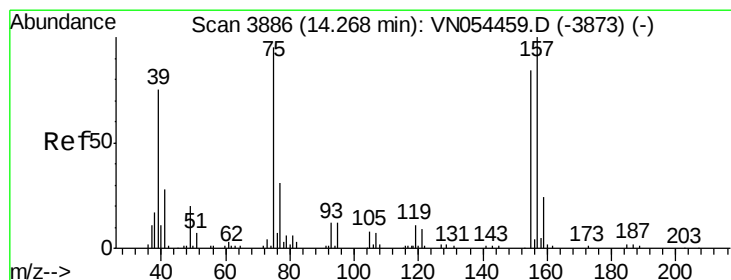
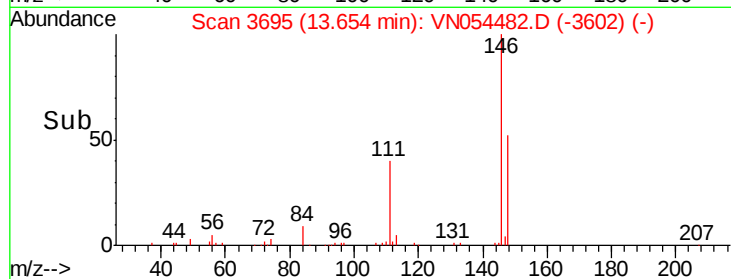
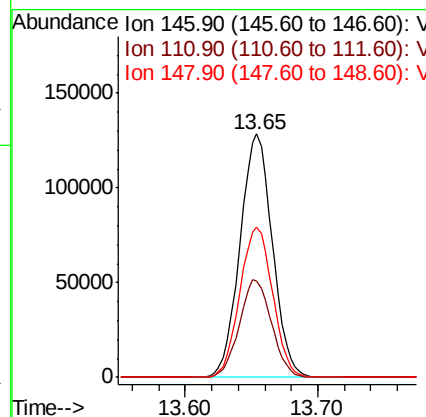
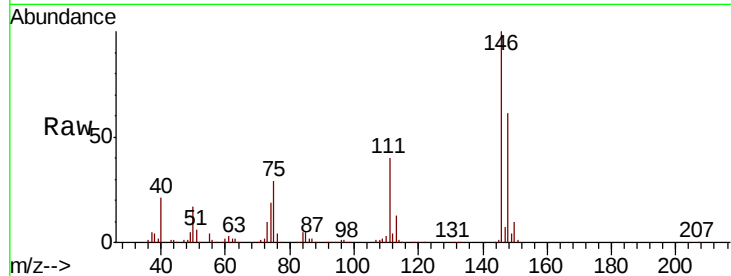
#91
 1,2-Dichlorobenzene
 Concen: 21.384 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.1	57.3
148	62.6	32.4	97.0

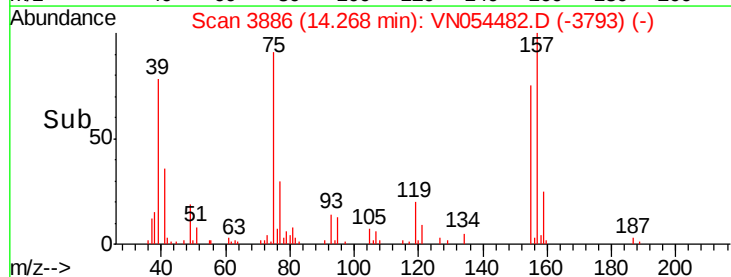
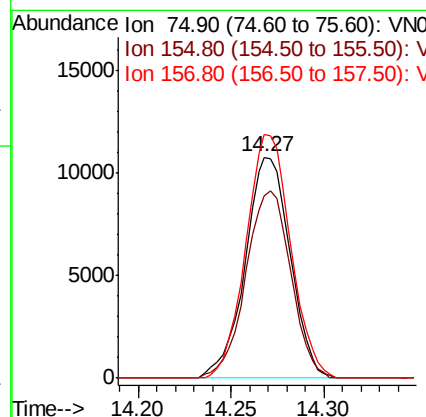
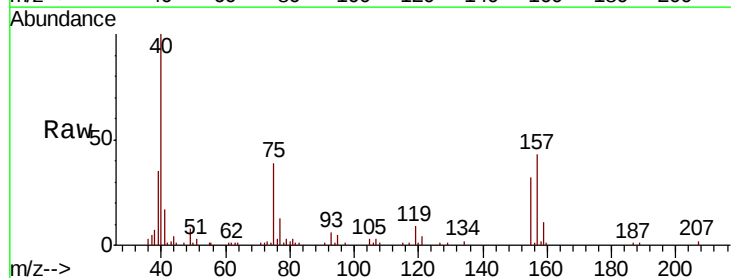
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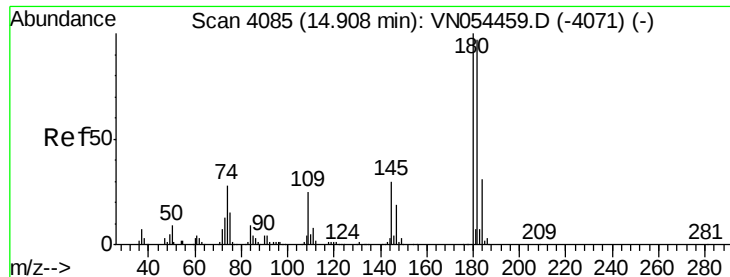
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 3/22/2019 3:51:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.151 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	50.1	150.3
157	109.6	63.1	189.3





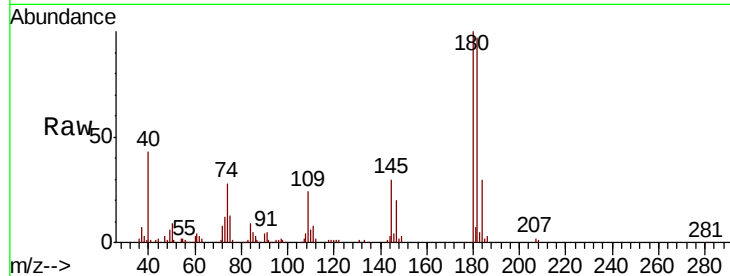
#93
 1,2,4-Trichlorobenzene
 Concen: 21.038 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0320WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.6	48.0	144.2	
145	30.3	14.2	42.8	

Manual Integrations
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 3/22/2019 3:51:19 PM

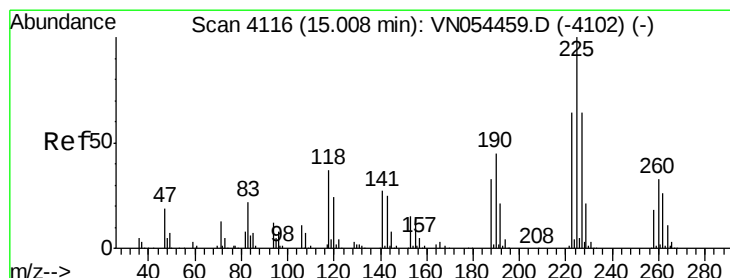
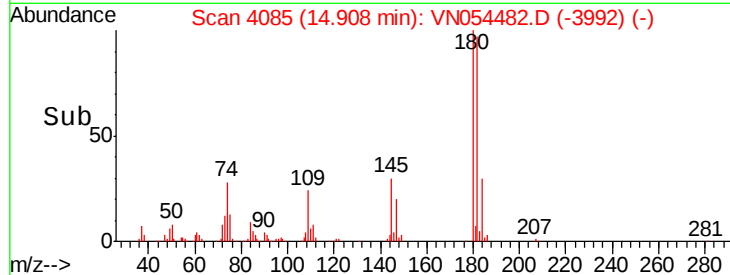
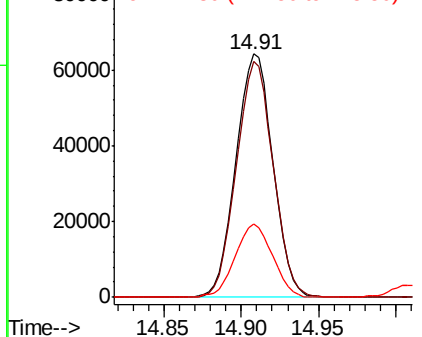


Abundance

Ion 179.80 (179.50 to 180.50): V

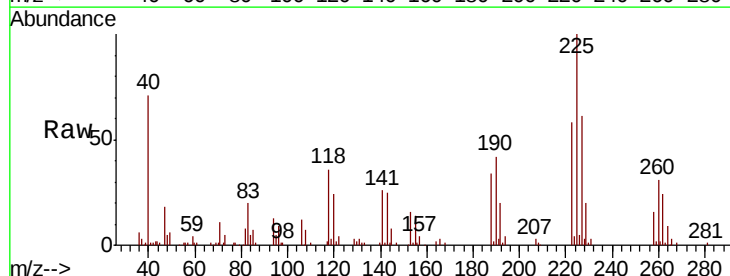
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.191 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN054482.D
 Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.2	31.1	93.5	
227	63.2	31.9	95.9	

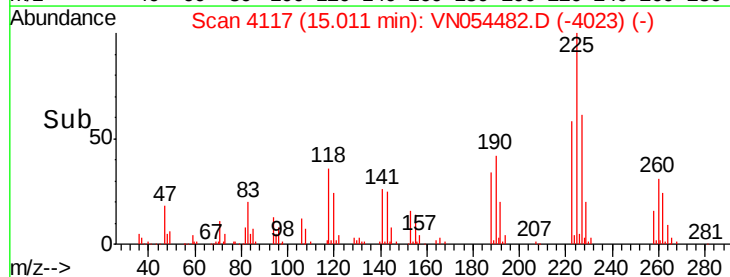
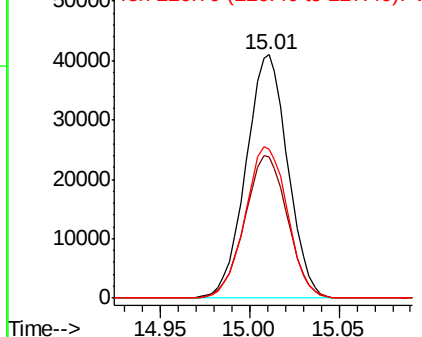


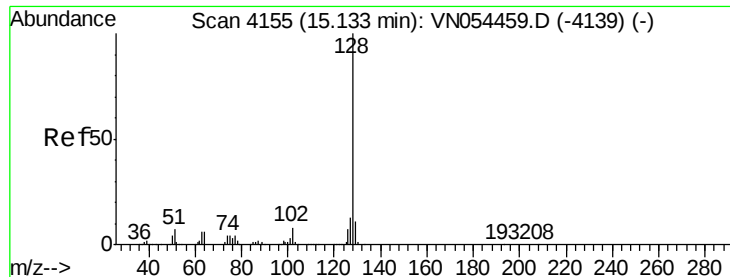
Abundance

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





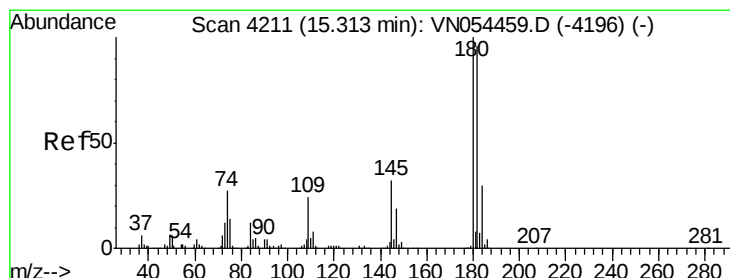
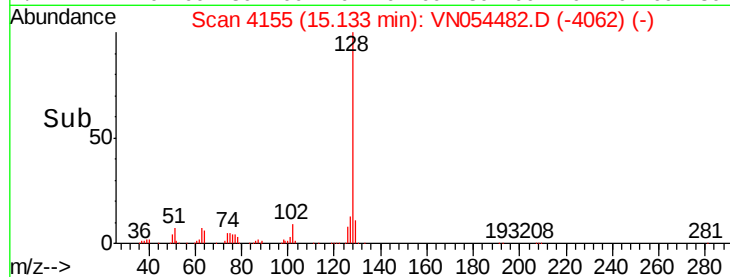
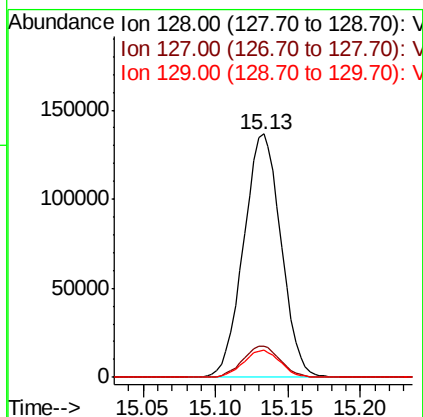
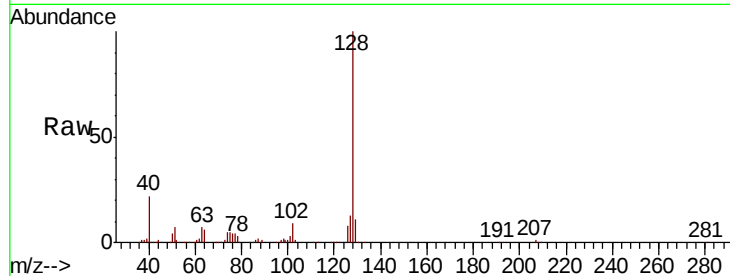
#95
Naphthalene
Concen: 21.683 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
VN0320WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	245296		
127	12.9	10.1	15.1	
129	11.0	8.7	13.1	

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3/22/2019 3:51:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.609 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054482.D
Acq: 21 Mar 2019 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	109080		
182	96.2	47.5	142.6	
145	31.3	14.8	44.3	

