

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055006.D
 Acq On : 12 Apr 2019 18:26
 Operator : JC/SP
 Sample : VN0413WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:58:29 PM

Quant Time: Apr 13 03:52:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	436042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	693646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	608444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	250003	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	275686	50.38	ug/l	0.00
Spiked Amount						
			Recovery	=	100.76%	
35) Dibromofluoromethane	7.59	113	220805	49.94	ug/l	0.00
Spiked Amount						
			Recovery	=	99.88%	
50) Toluene-d8	10.09	98	816396	50.27	ug/l	0.00
Spiked Amount						
			Recovery	=	100.54%	
62) 4-Bromofluorobenzene	12.40	95	272486	49.81	ug/l	0.00
Spiked Amount						
			Recovery	=	99.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	101710	21.147	ug/l	99
3) Chloromethane	2.06	50	127948	19.837	ug/l	100
4) Vinyl Chloride	2.19	62	108168	20.667	ug/l	100
5) Bromomethane	2.56	94	63821	21.065	ug/l	95
6) Chloroethane	2.70	64	56561	19.596	ug/l	100
7) Trichlorofluoromethane	3.02	101	134446	20.479	ug/l	99
8) Diethyl Ether	3.41	74	43137	20.893	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	71212	20.797	ug/l	98
10) Methyl Iodide	3.94	142	91788	18.587	ug/l	100
11) Tert butyl alcohol	4.83	59	37924	112.627	ug/l #	85
12) 1,1-Dichloroethene	3.73	96	66854	19.830	ug/l	95
13) Acrolein	3.61	56	38904	95.719	ug/l	99
14) Allyl chloride	4.31	41	168872	20.501	ug/l	99
15) Acrylonitrile	5.00	53	191016	102.851	ug/l	99
16) Acetone	3.82	43	152415	101.391	ug/l	98
17) Carbon Disulfide	4.04	76	213825	19.473	ug/l	99
18) Methyl Acetate	4.33	43	93395	20.043	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	249094	20.680	ug/l	100
20) Methylene Chloride	4.54	84	102336	20.068	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	90931	20.474	ug/l	92
22) Diisopropyl ether	5.96	45	344126	20.605	ug/l	97
23) Vinyl Acetate	5.90	43	1224122	104.793	ug/l	98
24) 1,1-Dichloroethane	5.84	63	181499	20.121	ug/l	99
25) 2-Butanone	6.85	43	245425	106.005	ug/l	98
26) 2,2-Dichloropropane	6.82	77	121442	20.350	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	103573	20.075	ug/l	99
28) Bromochloromethane	7.19	49	89323	20.871	ug/l	100
29) Tetrahydrofuran	7.22	42	162672	107.182	ug/l	99
30) Chloroform	7.37	83	176519	20.522	ug/l	98
31) Cyclohexane	7.65	56	175413	20.210	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	140952	20.570	ug/l	99
36) 1,1-Dichloropropene	7.79	75	129893	20.262	ug/l	100
37) Ethyl Acetate	6.94	43	104849	21.786	ug/l	99
38) Carbon Tetrachloride	7.77	117	118780	19.684	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	149364	20.352	ug/l	99
40) Benzene	8.04	78	395442	20.403	ug/l	99
41) Methacrylonitrile	7.18	41	56296	19.011	ug/l	98
42) 1,2-Dichloroethane	8.13	62	137809	20.212	ug/l	100
43) Isopropyl Acetate	8.17	43	172070	20.910	ug/l	99
44) Trichloroethene	8.83	130	98798	19.947	ug/l	93
45) 1,2-Dichloropropane	9.12	63	110976	20.290	ug/l	100
46) Dibromomethane	9.21	93	62415	19.916	ug/l	96
47) Bromodichloromethane	9.40	83	129256	20.281	ug/l	98
48) Methyl methacrylate	9.20	41	85828	20.246	ug/l	97
49) 1,4-Dioxane	9.20	88	19911	436.737	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	500985	103.974	ug/l	99
52) Toluene	10.16	92	236492	20.632	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	114260	19.799	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	143740	20.220	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	86911	20.354	ug/l	95
56) Ethyl methacrylate	10.43	69	111565	20.305	ug/l	98
57) 1,3-Dichloropropane	10.71	76	153631	20.857	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	217052	99.718	ug/l	100
59) 2-Hexanone	10.75	43	313515	104.124	ug/l	98
60) Dibromochloromethane	10.90	129	85906	20.212	ug/l	99
61) 1,2-Dibromoethane	11.00	107	81990	20.055	ug/l	99
64) Tetrachloroethene	10.63	164	98264	20.646	ug/l	98
65) Chlorobenzene	11.43	112	245571	20.932	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	89026	20.591	ug/l	98
67) Ethyl Benzene	11.51	91	443541	20.582	ug/l	99
68) m/p-Xylenes	11.62	106	331036	41.986	ug/l	98
69) o-Xylene	11.95	106	157790	20.227	ug/l	99
70) Styrene	11.96	104	255972	20.694	ug/l	98
71) Bromoform	12.13	173	52985	19.534	ug/l #	99
73) Isopropylbenzene	12.25	105	431095	20.281	ug/l	99
74) N-amyl acetate	12.07	43	126388	19.727	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	108727	19.757	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	88857m	19.319	ug/l	
77) Bromobenzene	12.53	156	104225	21.336	ug/l	97
78) n-propylbenzene	12.59	91	478012	20.641	ug/l	100
79) 2-Chlorotoluene	12.67	91	288022	20.132	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	348165	20.121	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	22069	19.804	ug/l	95
82) 4-Chlorotoluene	12.77	91	275341	19.900	ug/l	98
83) tert-Butylbenzene	12.99	119	299402	20.197	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	337482	20.340	ug/l	100
85) sec-Butylbenzene	13.17	105	390971	20.657	ug/l	100
86) p-Isopropyltoluene	13.29	119	339162	20.601	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	168536	19.847	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	158702	19.541	ug/l	98
89) n-Butylbenzene	13.61	91	254640	19.694	ug/l	100
90) Hexachloroethane	13.87	117	51424	18.903	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	167101	20.271	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14449	20.191	ug/l	98

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	66202	18.559	ug/l	98
94) Hexachlorobutadiene	15.01	225	57081	21.906	ug/l	97
95) Naphthalene	15.13	128	146540	18.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	71050	19.107	ug/l	100

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

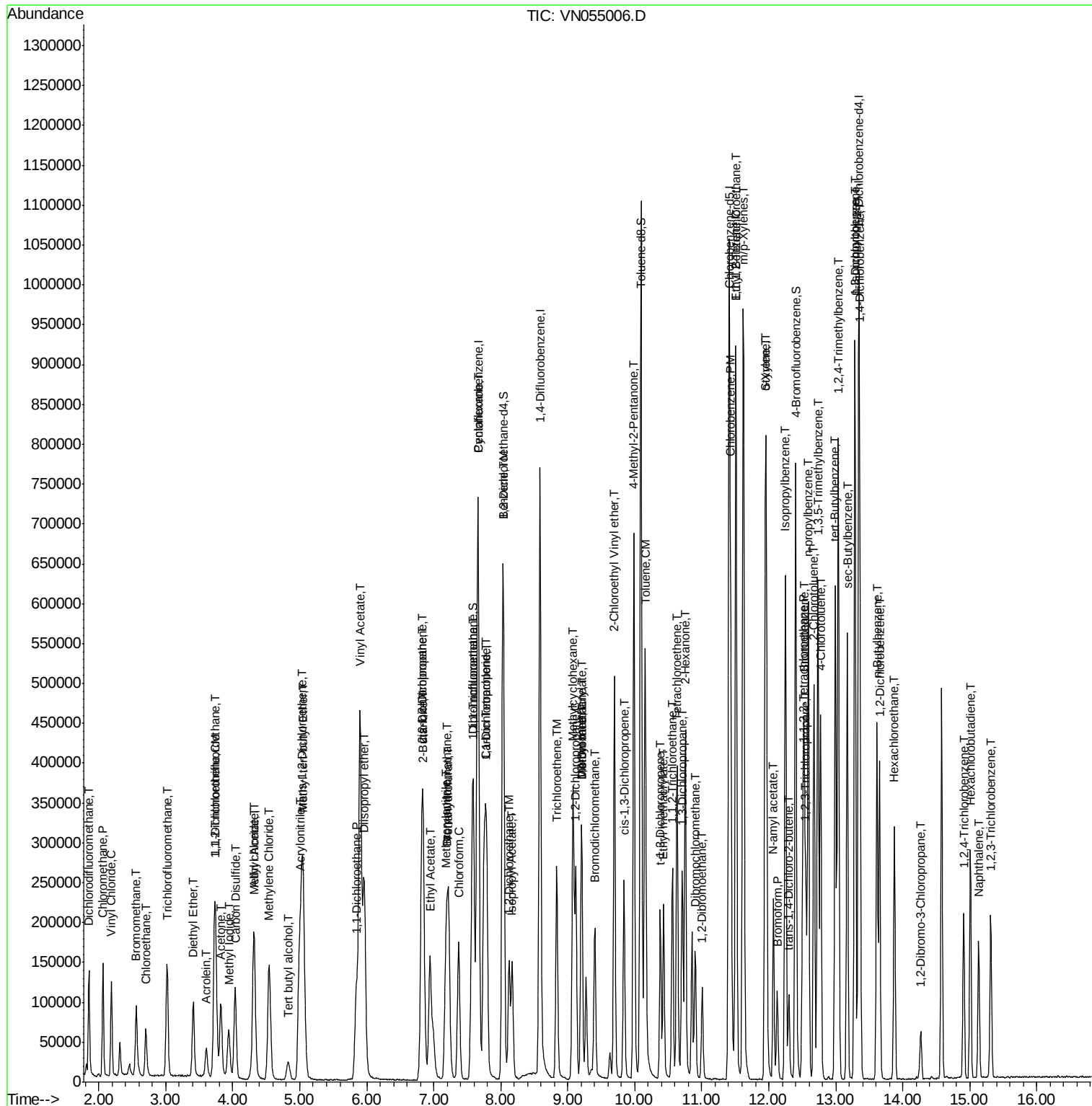
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Data File : VN055006.D
Acq On : 12 Apr 2019 18:26
Operator : JC/SP
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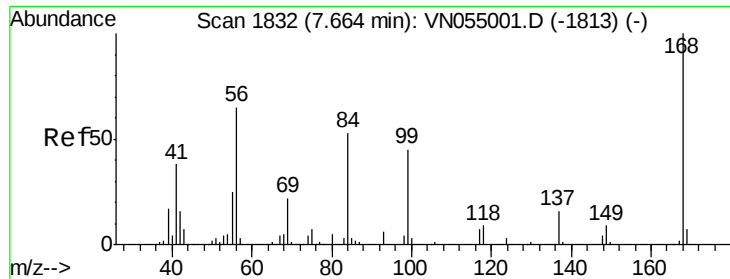
Instrument :
MSVOA_N
Client Sample Id :
VN0413WBS01

Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 13 03:34:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion:168 Resp: 436042

Ion Ratio Lower Upper

168 100

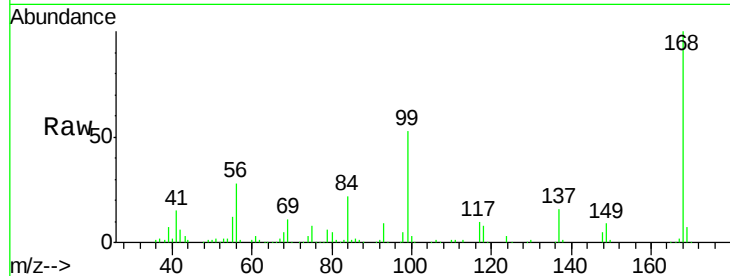
99 51.8 41.9 62.9

Manual Integrations

APPROVED

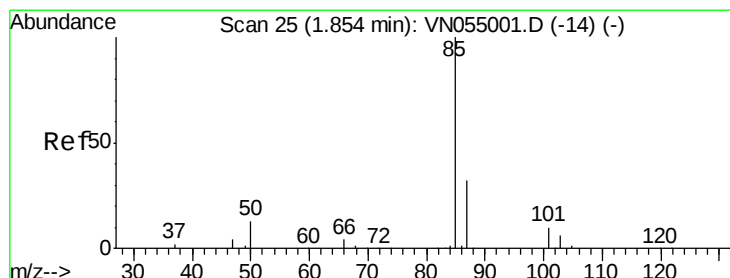
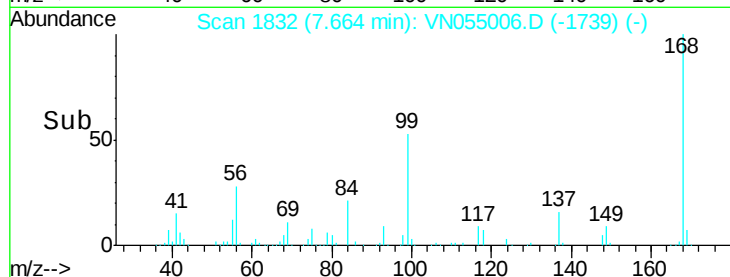
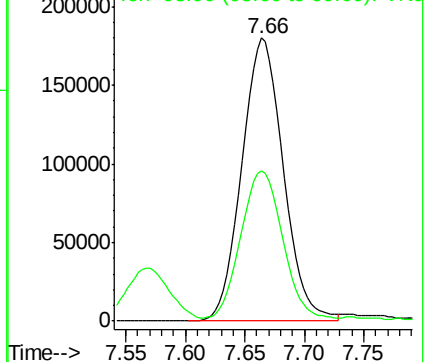
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 21.147 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055006.D

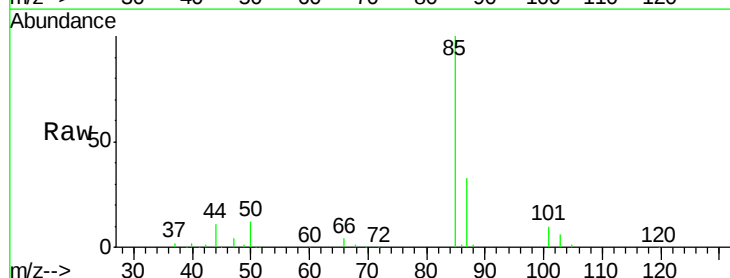
Acq: 12 Apr 2019 18:26

Tgt Ion: 85 Resp: 101710

Ion Ratio Lower Upper

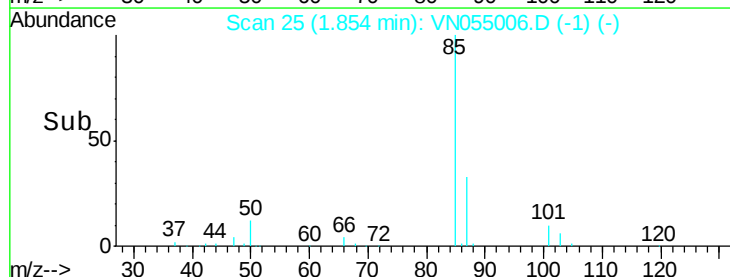
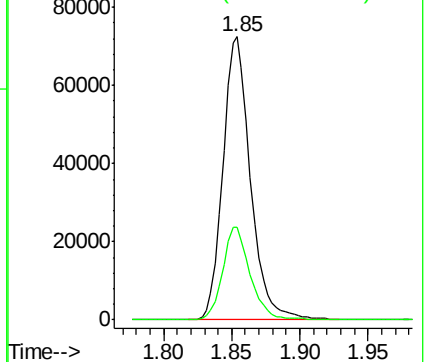
85 100

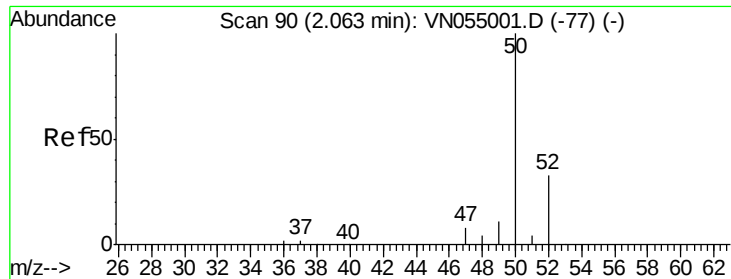
87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 19.837 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampled :

VN0413WBS01

Tot Ion: 50 Resp: 127948

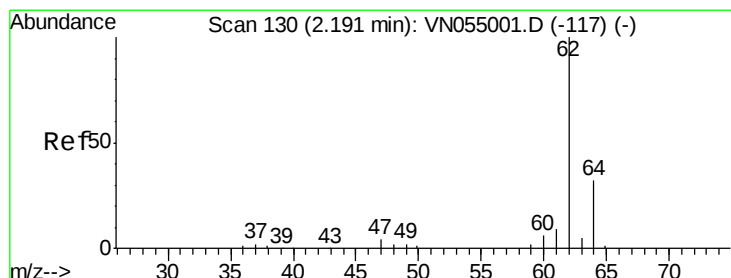
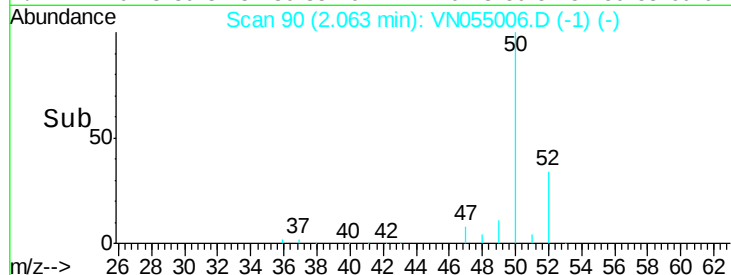
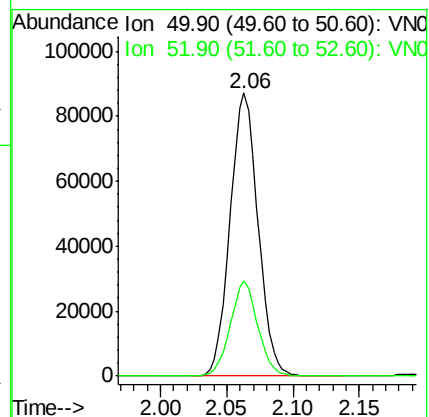
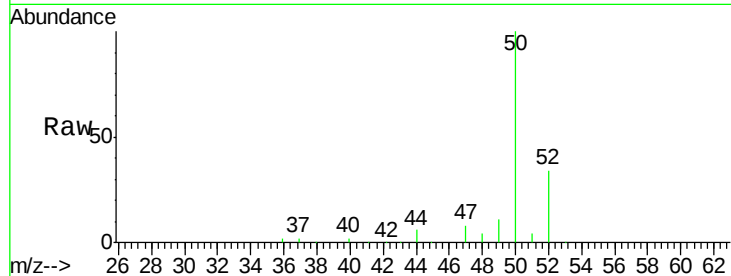
Ion Ratio Lower Upper

50 100

52 33.5 26.6 40.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.667 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055006.D

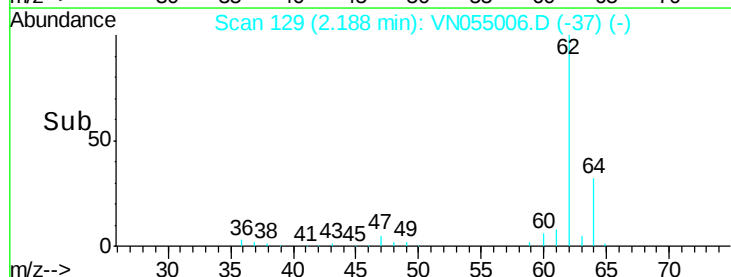
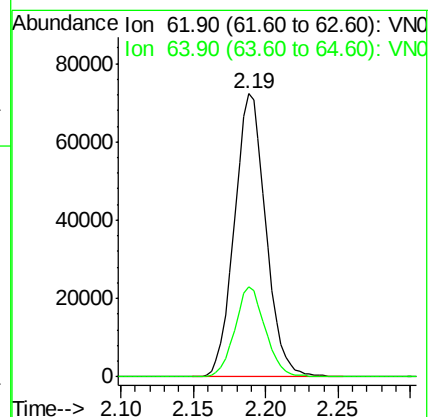
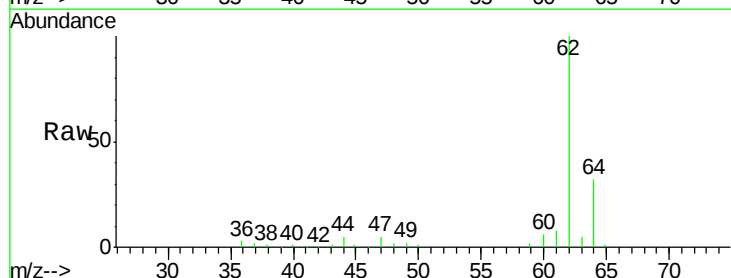
Acq: 12 Apr 2019 18:26

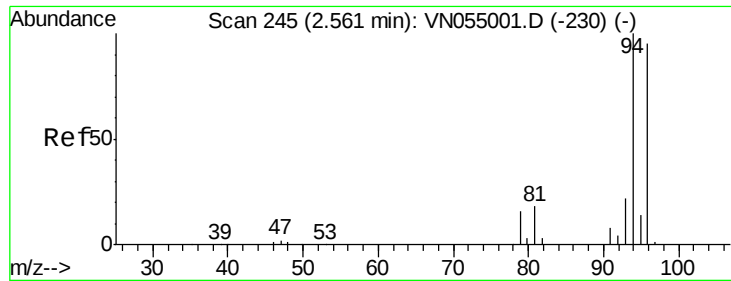
Tgt Ion: 62 Resp: 108168

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.6





#5

Bromomethane

Concen: 21.065 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

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ClientSampleId :

VN0413WBS01

Tot Ion: 94 Resp: 63821

Ion Ratio Lower Upper

94 100

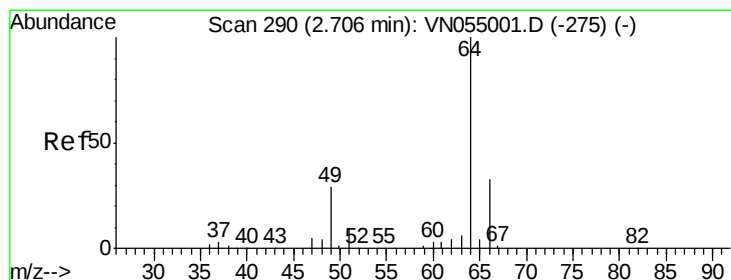
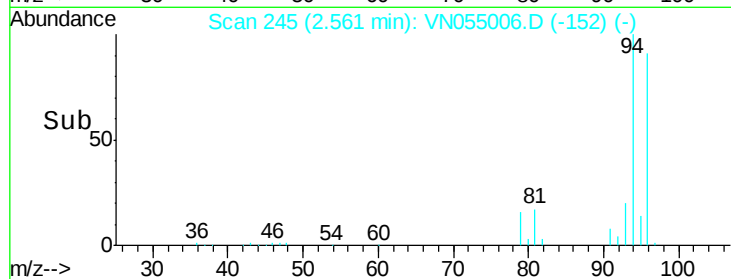
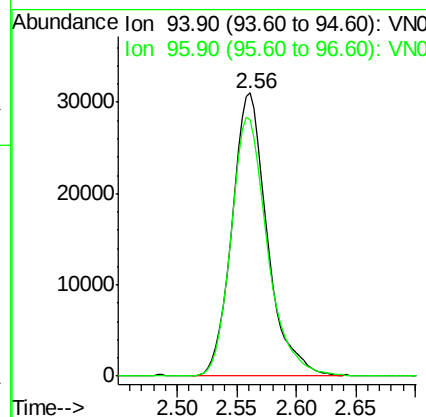
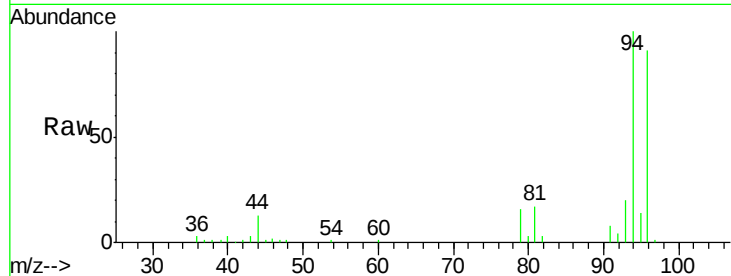
96 90.5 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 19.596 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055006.D

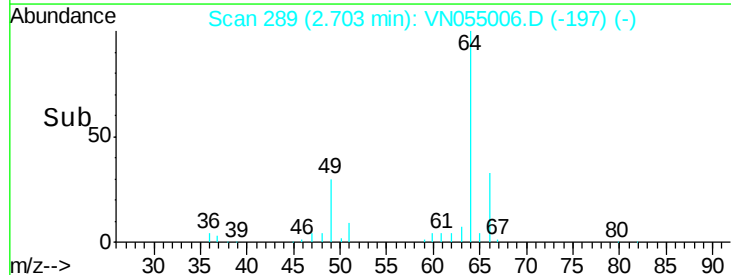
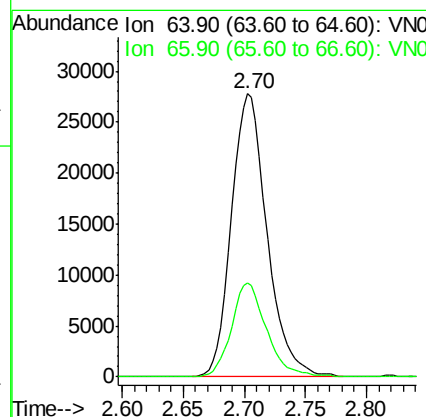
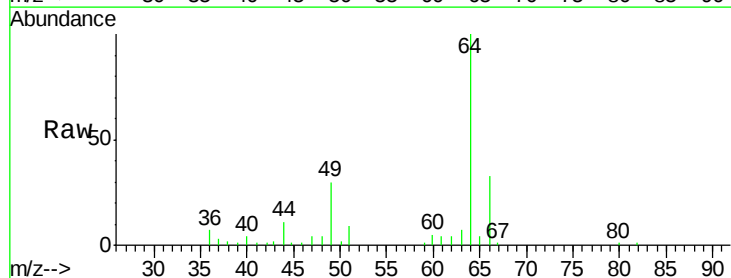
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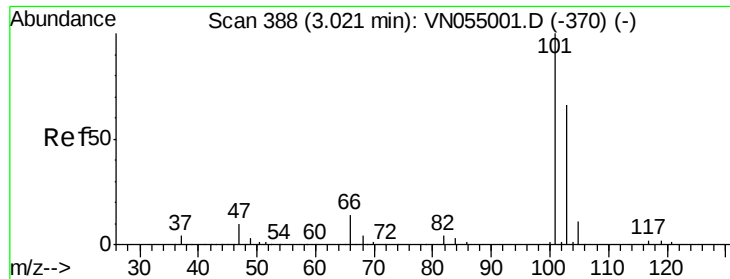
Tgt Ion: 64 Resp: 56561

Ion Ratio Lower Upper

64 100

66 33.2 26.6 40.0





#7

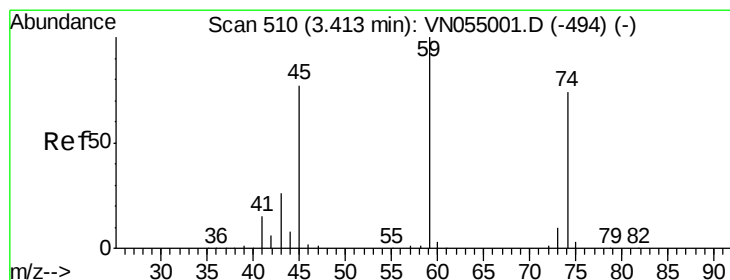
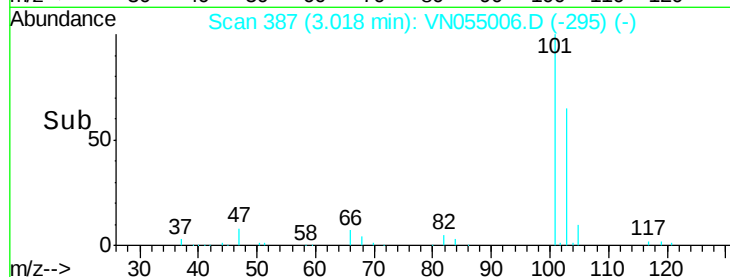
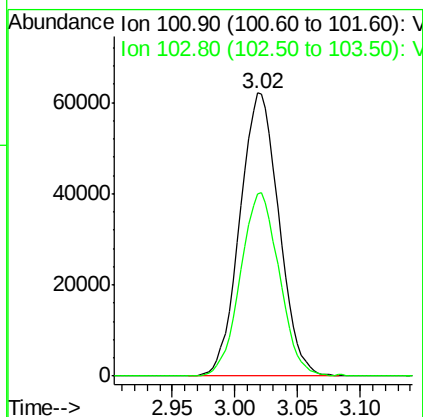
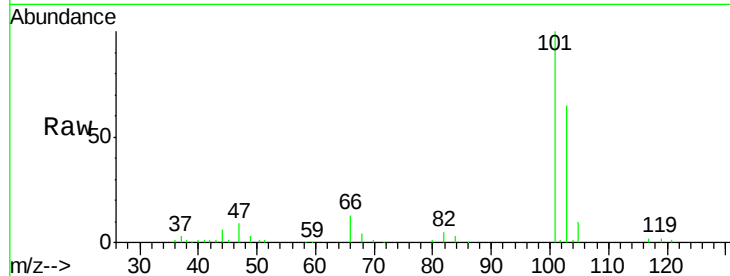
Trichlorofluoromethane
Concen: 20.479 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion:101 Resp: 134446
Ion Ratio Lower Upper
101 100
103 64.5 52.5 78.7

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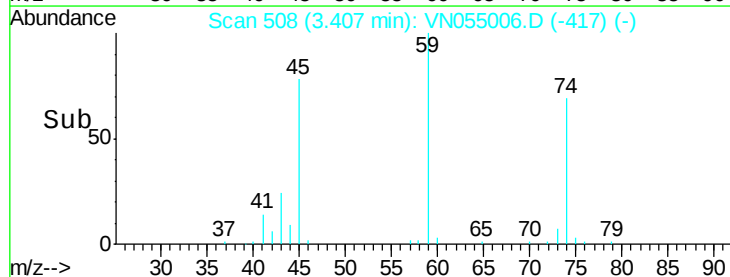
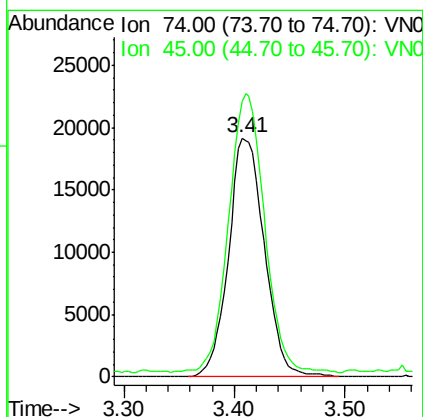
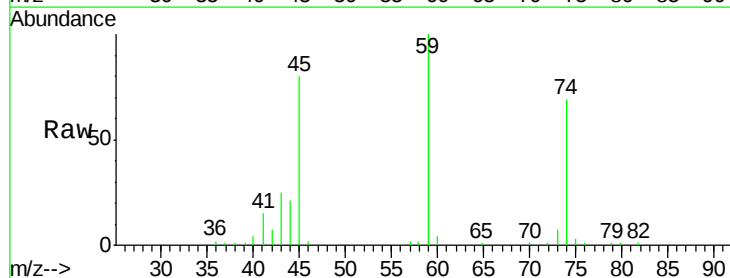
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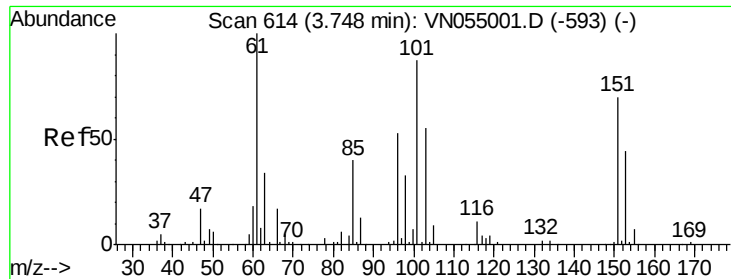


#8

Diethyl Ether
Concen: 20.893 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.01 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 74 Resp: 43137
Ion Ratio Lower Upper
74 100
45 113.9 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.797 ug/l

RT: 3.75 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

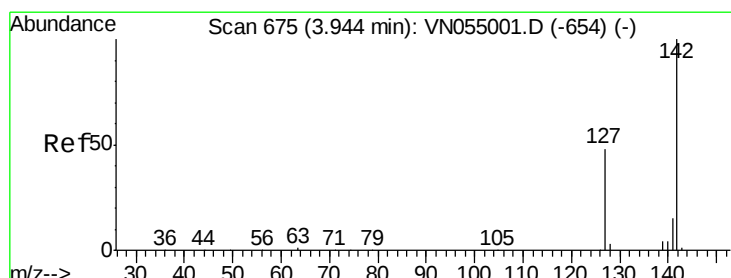
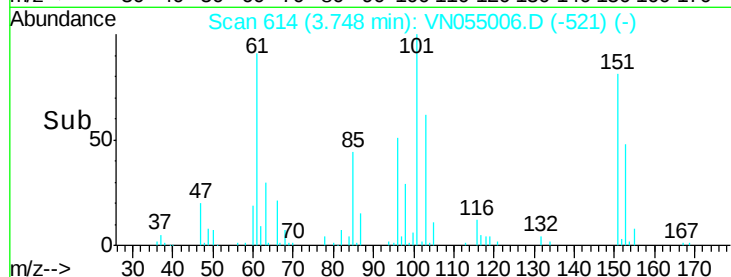
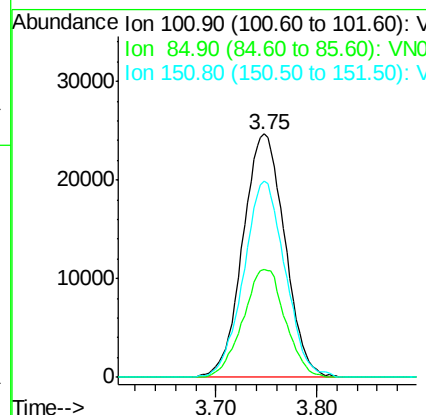
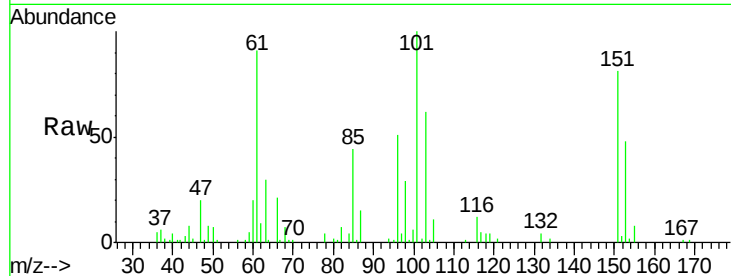
ClientSampleId :

VN0413WBS01

Tot Ion:	101	Resp:	71212
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.9	55.3
151	79.6	64.4	96.6

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#10

Methyl Iodide

Concen: 18.587 ug/l

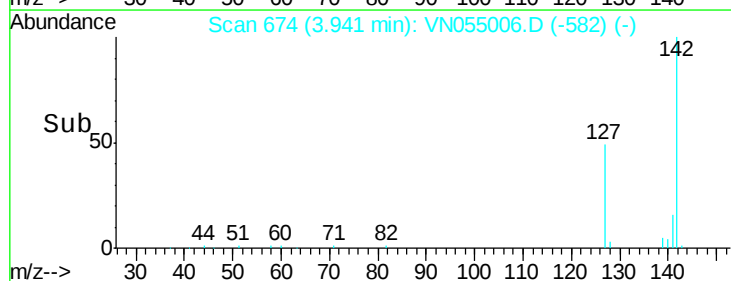
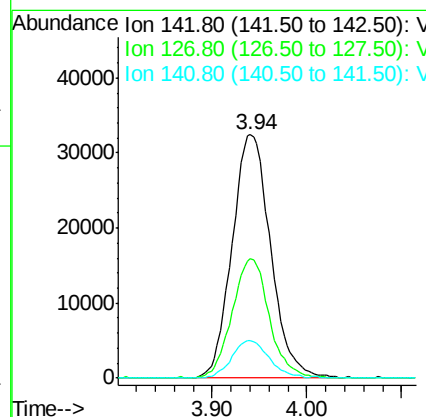
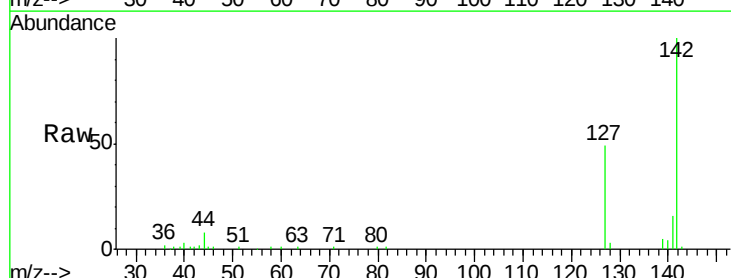
RT: 3.94 min Scan# 674

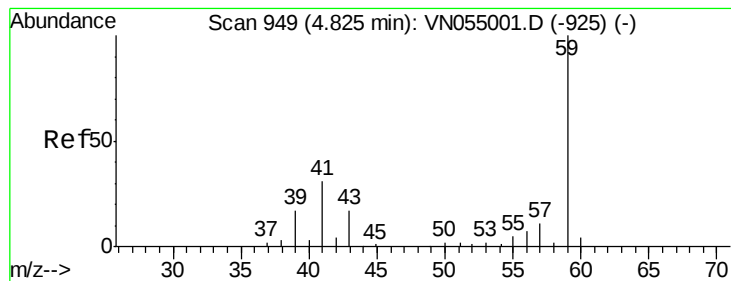
Delta R.T. -0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Tgt Ion:	142	Resp:	91788
Ion Ratio	Lower	Upper	
142	100		
127	47.3	37.9	56.9
141	15.0	11.8	17.8





#11

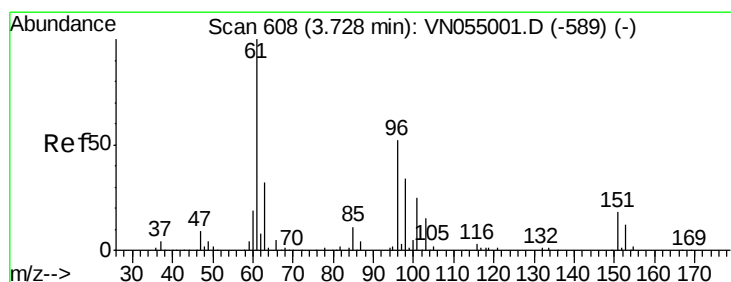
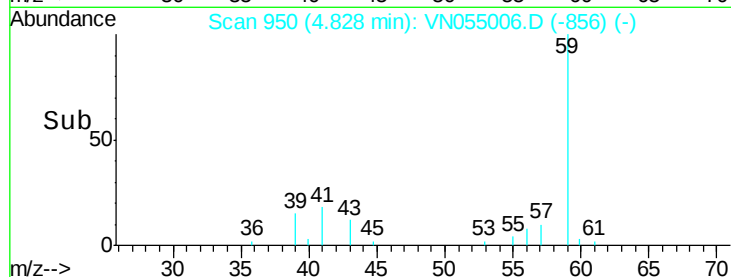
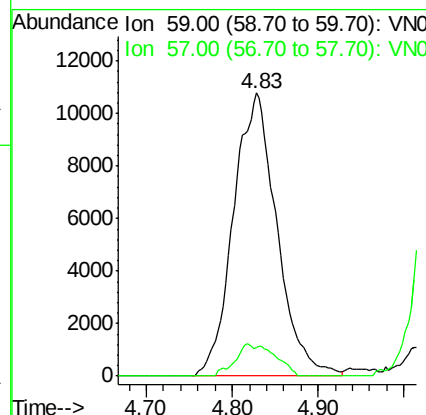
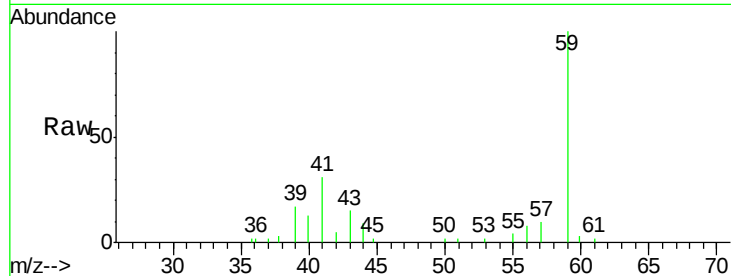
Tert butyl alcohol
 Concen: 112.627 ug/l
 RT: 4.83 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.8	8.3	12.5#

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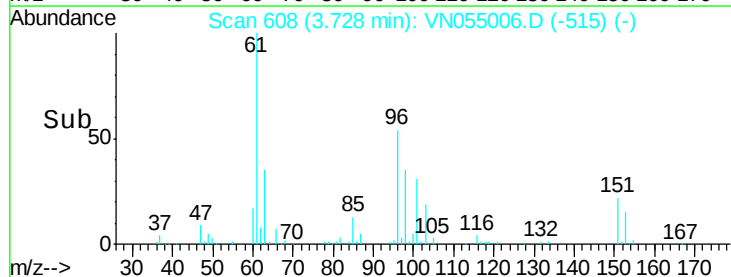
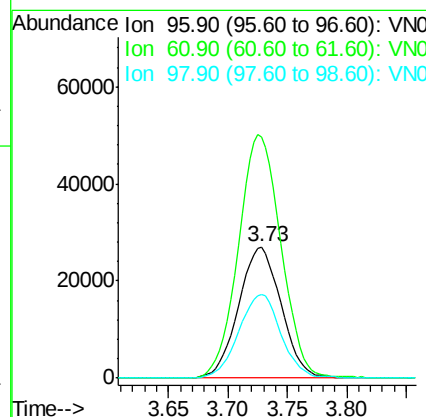
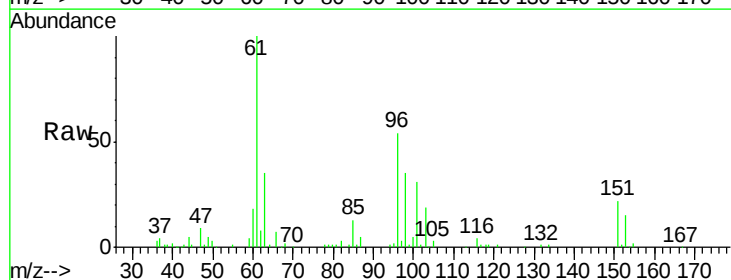
MMDadoda
 4/16/2019 1:58:29 PM

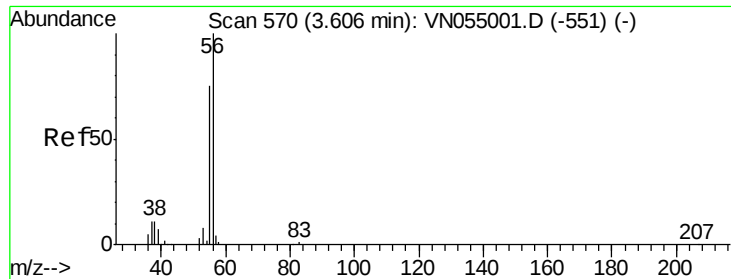


#12

1,1-Dichloroethene
 Concen: 19.830 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.6	154.2	231.4
98	63.5	52.9	79.3





#13

Acrolein

Concen: 95.719 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 56 Resp: 38904

Ion Ratio Lower Upper

56 100

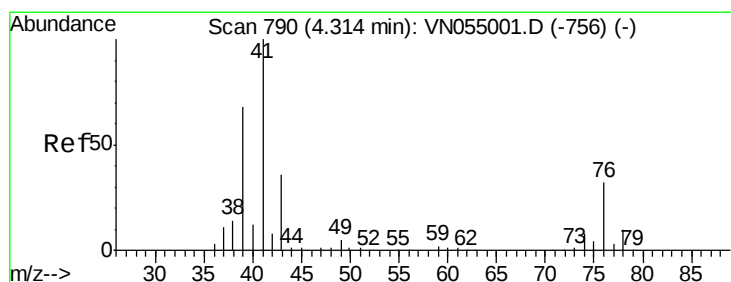
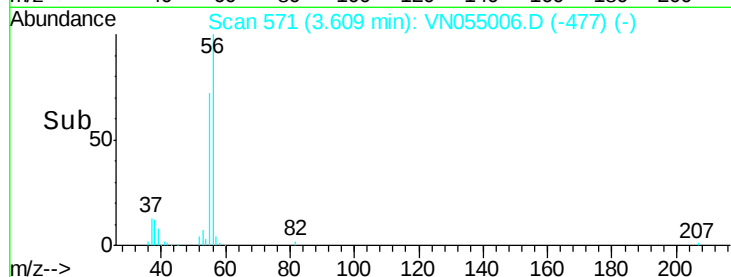
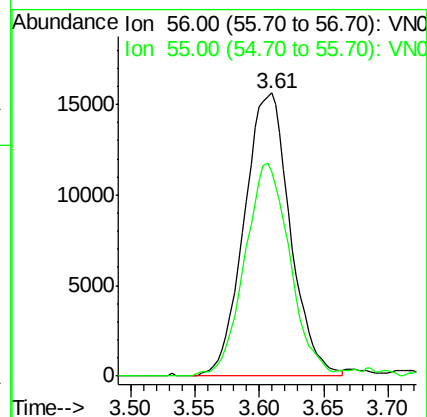
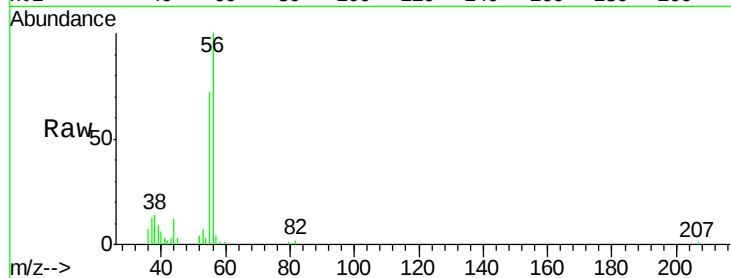
55 73.7 59.5 89.3

Manual Integrations

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#14

Allyl chloride

Concen: 20.501 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

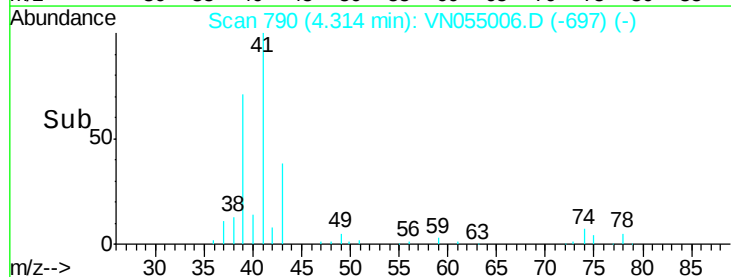
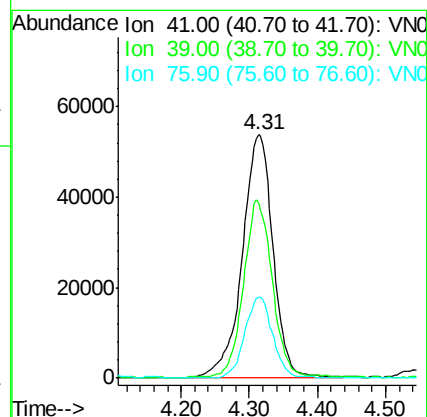
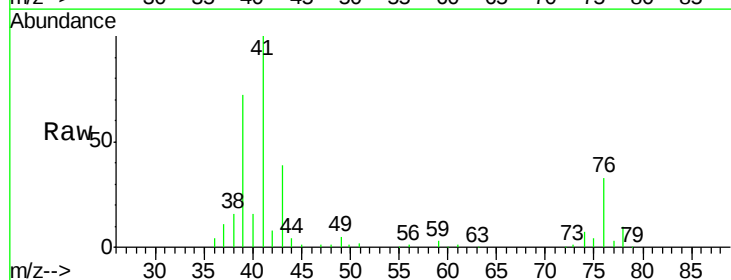
Tgt Ion: 41 Resp: 168872

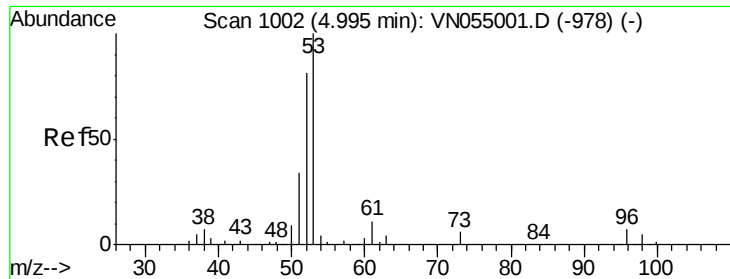
Ion Ratio Lower Upper

41 100

39 66.5 52.7 79.1

76 30.0 23.2 34.8





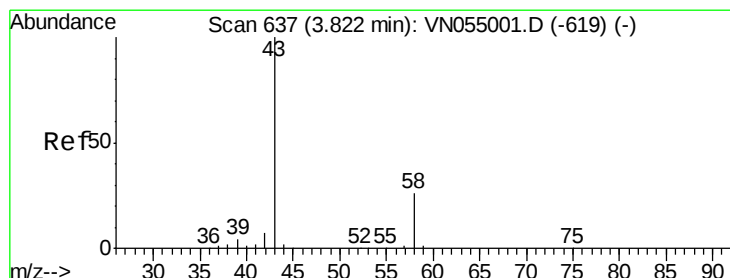
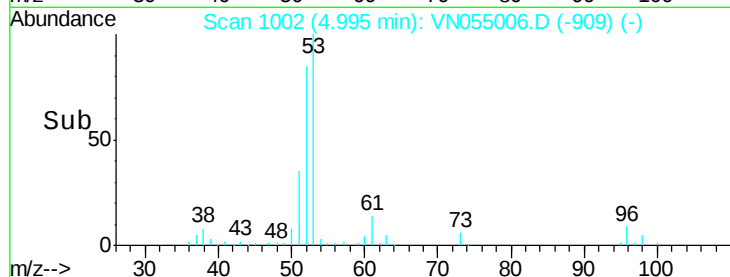
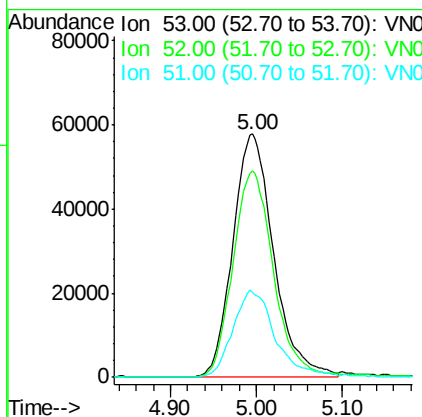
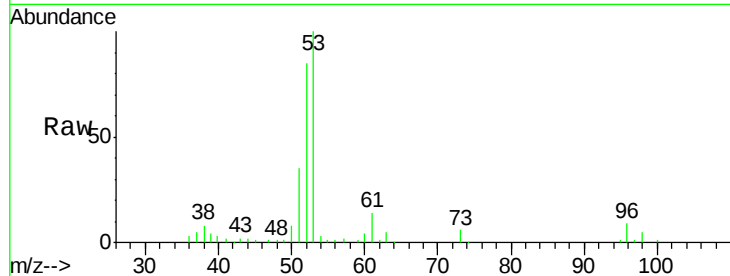
#15
 Acrylonitrile
 Concen: 102.851 ug/l
 RT: 5.00 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion:	53	Resp:	191016
Ion Ratio	Lower	Upper	
53	100		
52	83.6	65.9	98.9
51	37.0	29.7	44.5

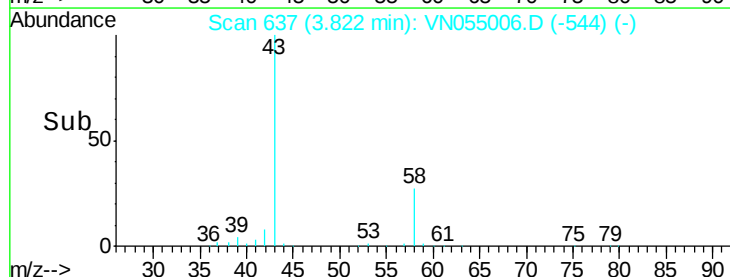
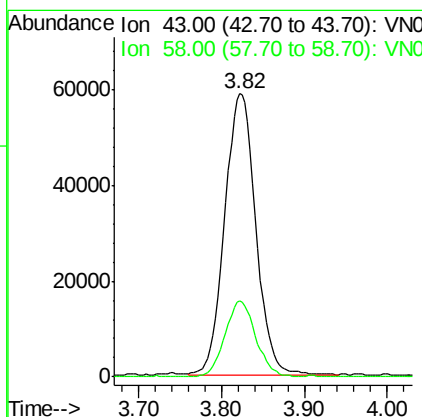
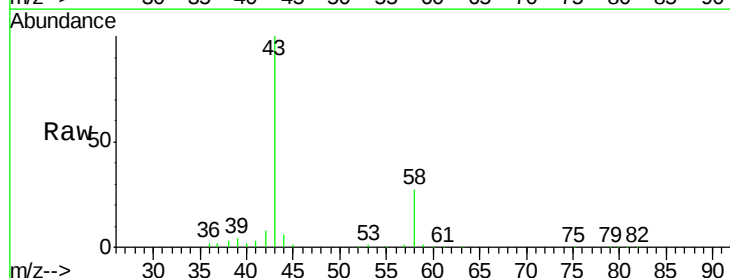
Manual Integrations
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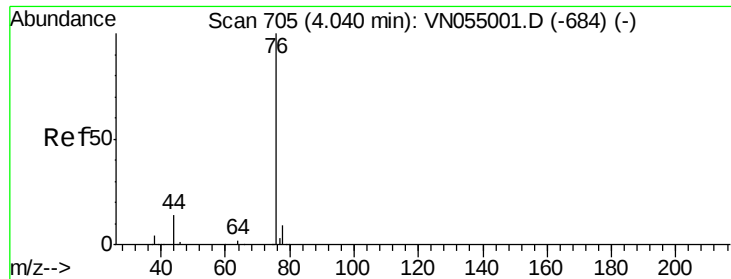
MMDadoda
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#16
 Acetone
 Concen: 101.391 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion:	43	Resp:	152415
Ion Ratio	Lower	Upper	
43	100		
58	27.2	20.9	31.3





#17

Carbon Disulfide

Concen: 19.473 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 76 Resp: 213825

Ion Ratio Lower Upper

76 100

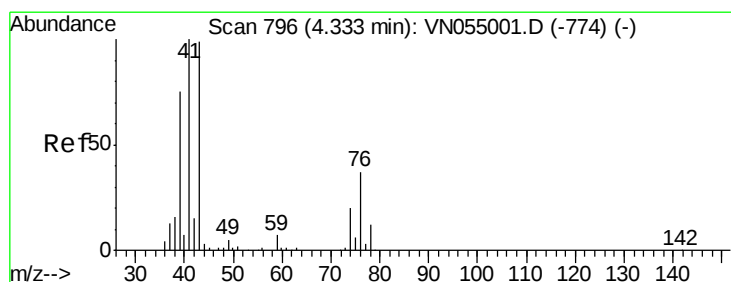
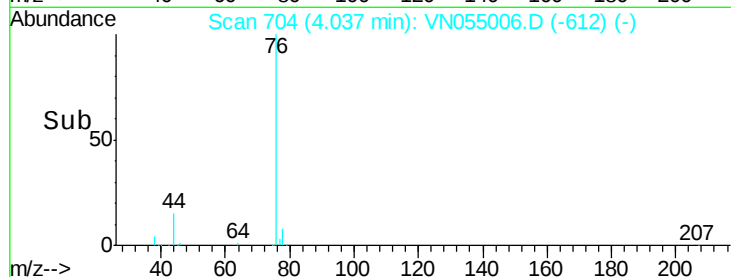
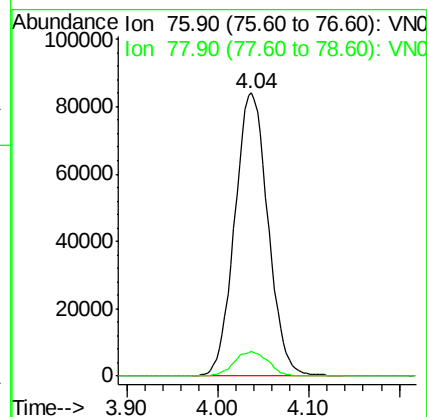
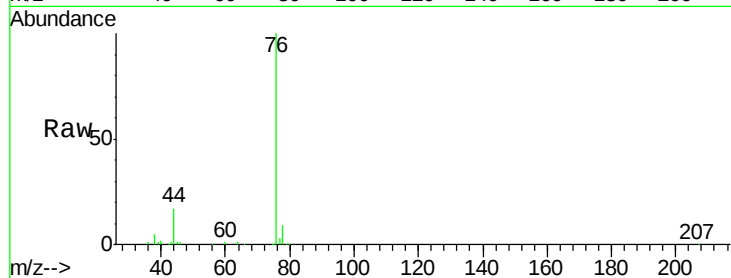
78 8.7 7.2 10.8

Manual Integrations

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4/16/2019 1:58:29 PM



#18

Methyl Acetate

Concen: 20.043 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN055006.D

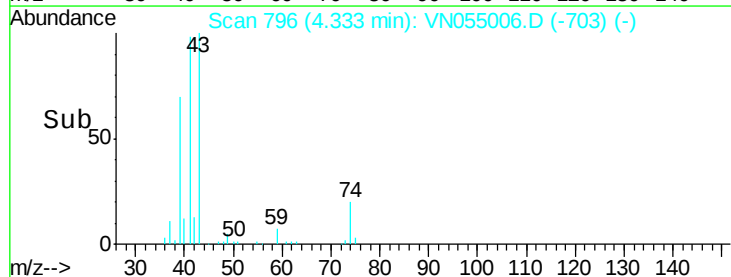
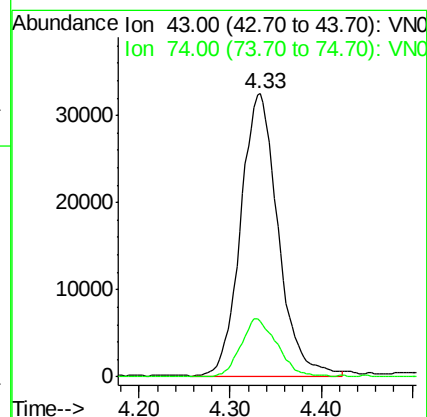
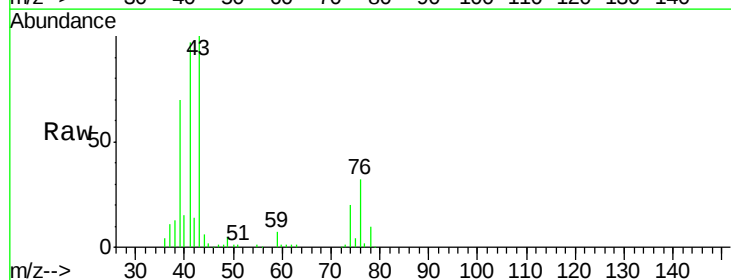
Acq: 12 Apr 2019 18:26

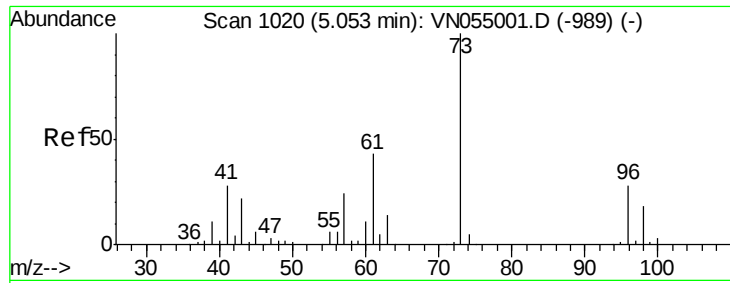
Tgt Ion: 43 Resp: 93395

Ion Ratio Lower Upper

43 100

74 19.7 16.1 24.1





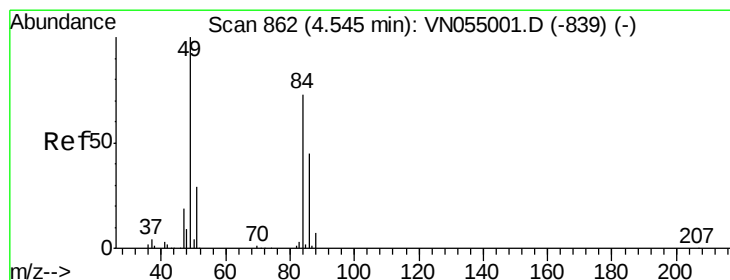
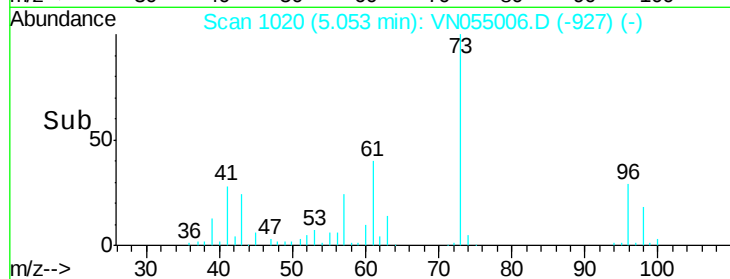
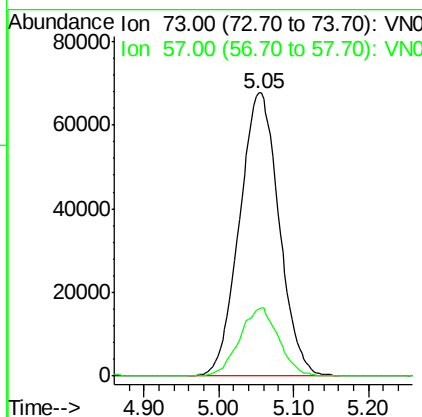
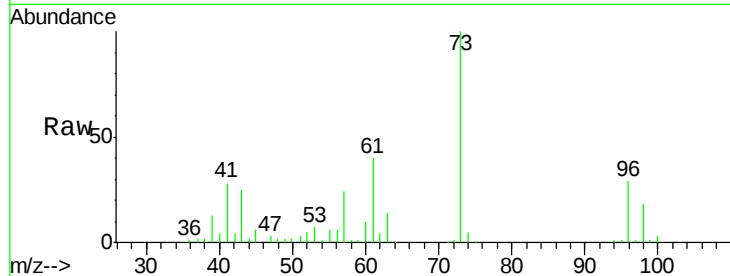
#19
Methvl tert-butvl Ether
Concen: 20.680 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion: 73 Resp: 249094
Ion Ratio Lower Upper
73 100
57 23.9 19.0 28.4

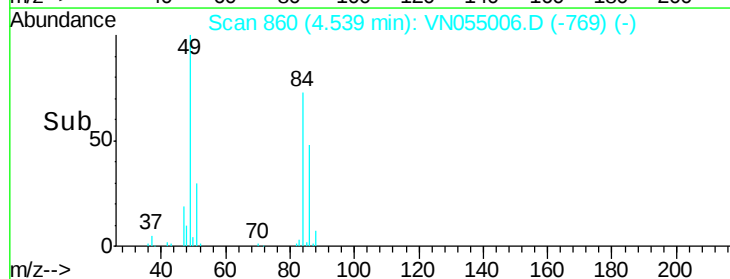
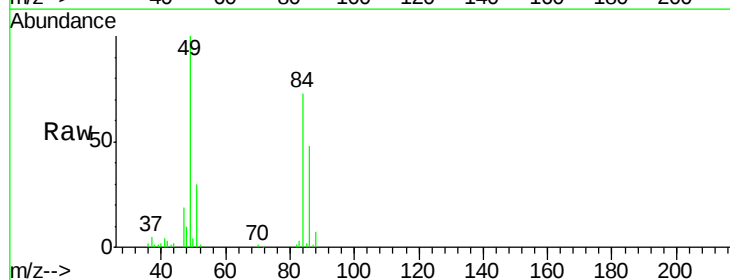
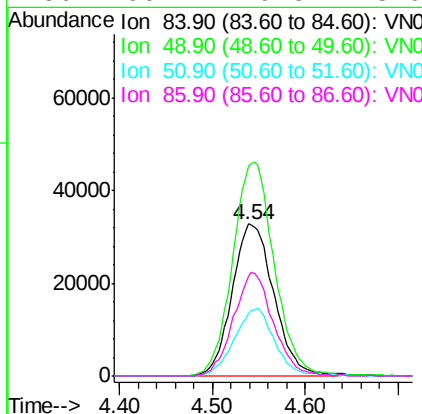
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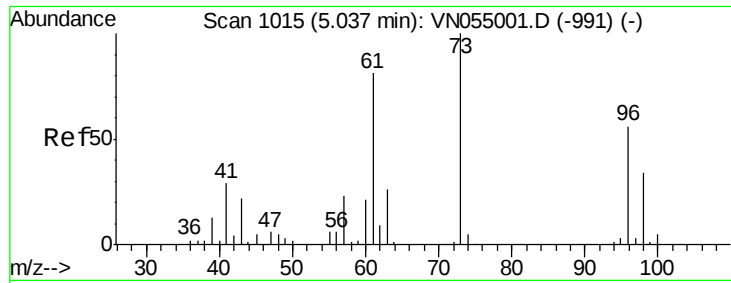
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#20
Methylene Chloride
Concen: 20.068 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 84 Resp: 102336
Ion Ratio Lower Upper
84 100
49 137.8 109.4 164.2
51 41.1 32.2 48.4
86 66.1 49.3 73.9





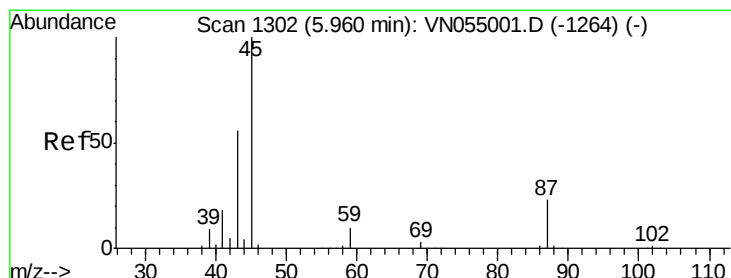
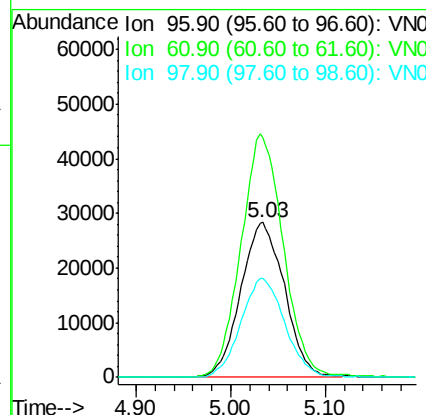
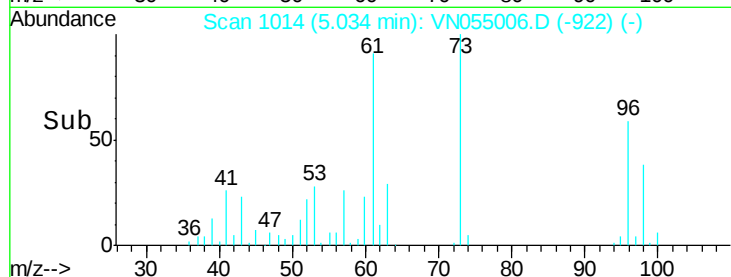
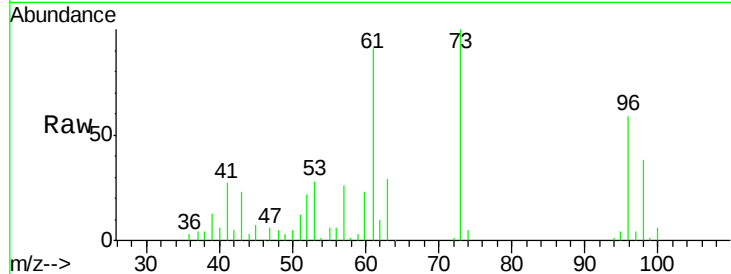
#21
trans-1,2-Dichloroethene
Concen: 20.474 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.0	114.9	172.3
98	63.9	48.4	72.6

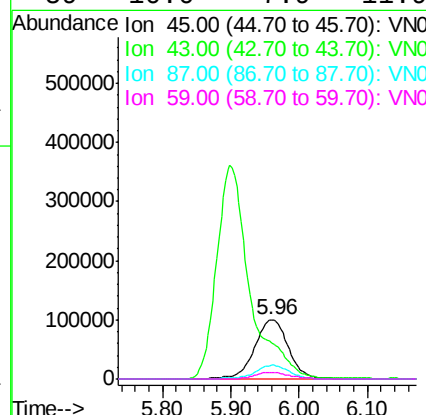
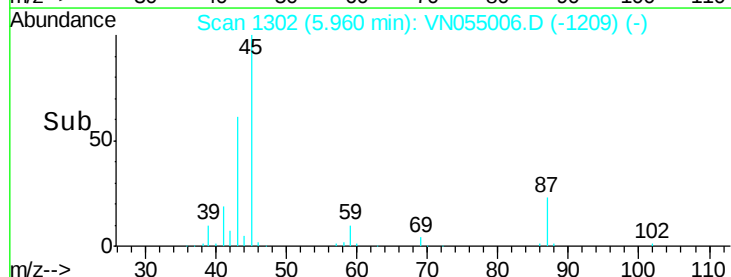
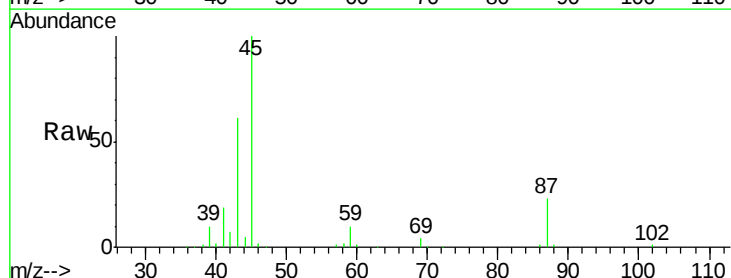
Manual Integrations
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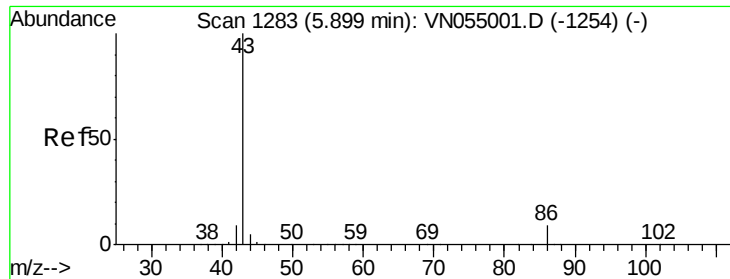
MMDadoda
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#22
Diisopropyl ether
Concen: 20.605 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.1	44.8	67.2
87	22.7	18.9	28.3
59	10.0	7.9	11.9





#23

Vinyl Acetate

Concen: 104.793 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 43 Resp: 1224122

Ion Ratio Lower Upper

43 100

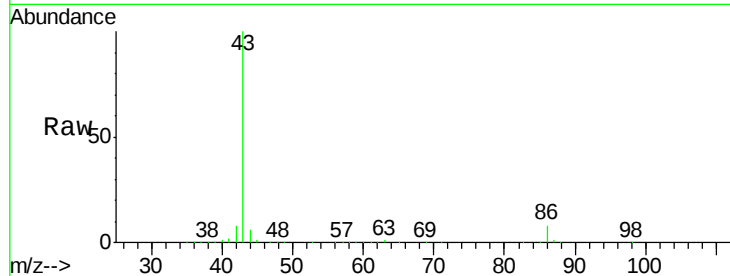
86 8.1 7.0 10.4

Manual Integrations

APPROVED

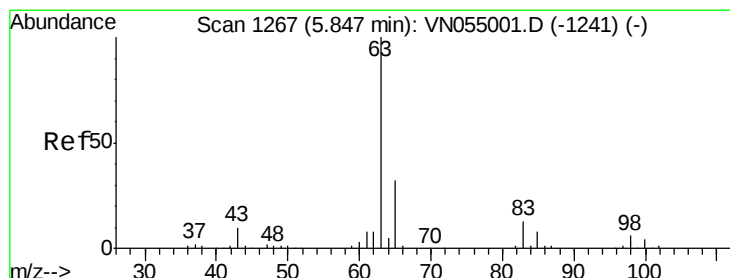
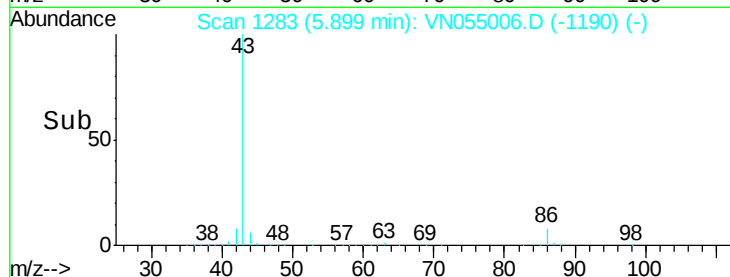
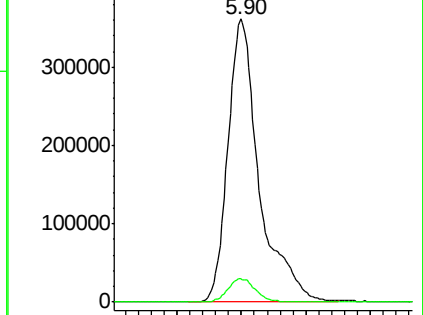
MMDadoda

4/16/2019 1:58:29 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.121 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

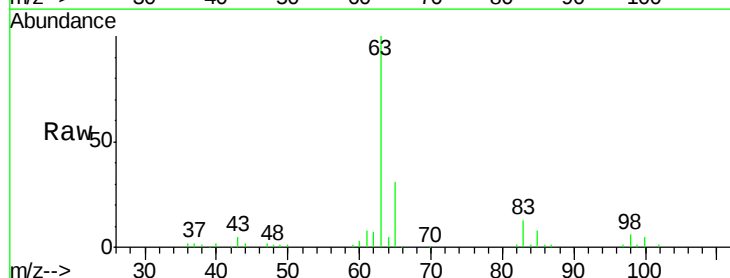
Tgt Ion: 63 Resp: 181499

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

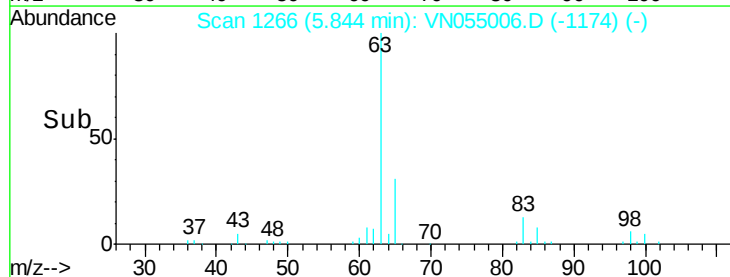
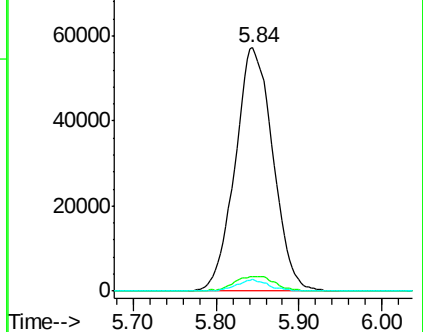
100 4.7 2.0 5.8

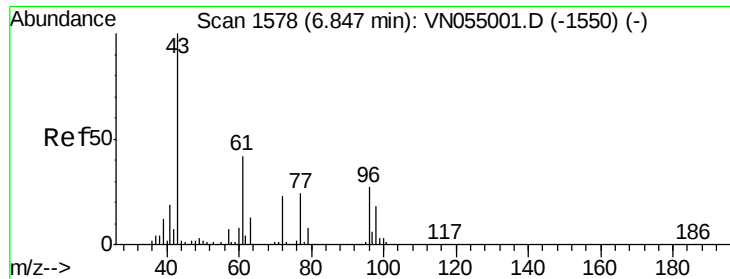


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 106.005 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 43 Resp: 245425

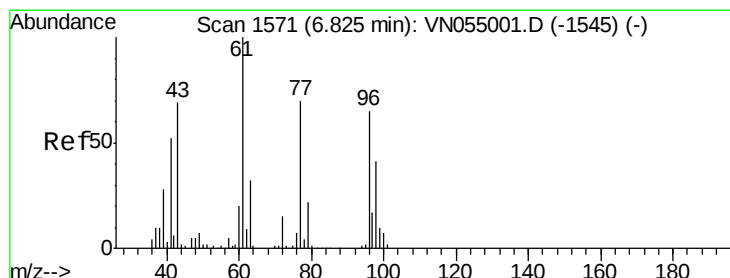
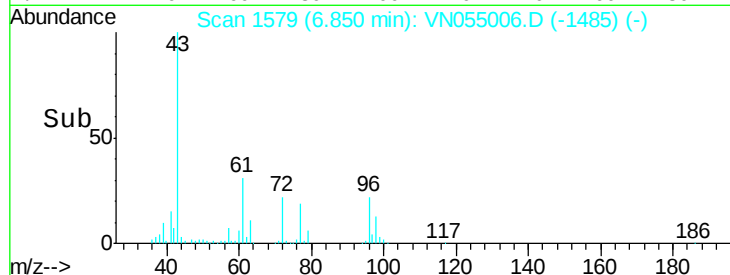
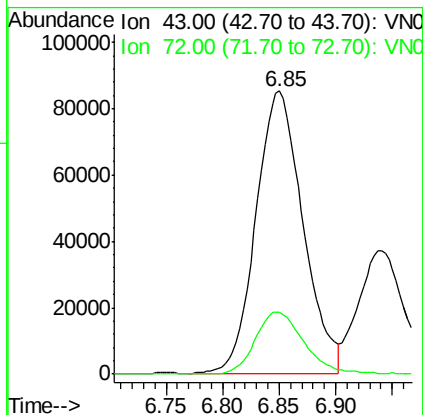
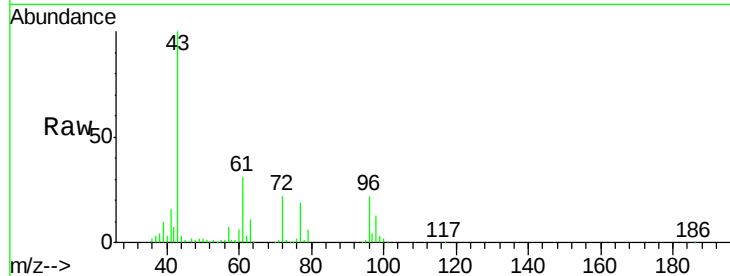
Ion Ratio Lower Upper

43 100

72 21.8 18.1 27.1

Manual Integrations
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4/16/2019 1:58:29 PM



#26

2,2-Dichloropropane

Concen: 20.350 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN055006.D

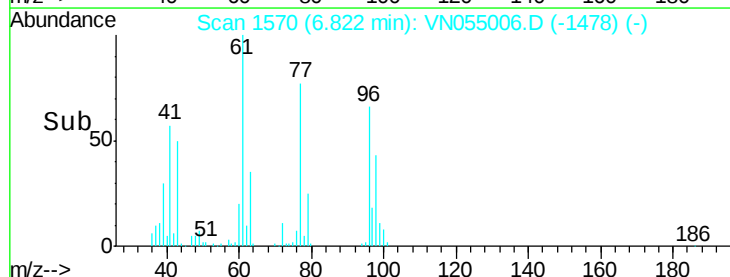
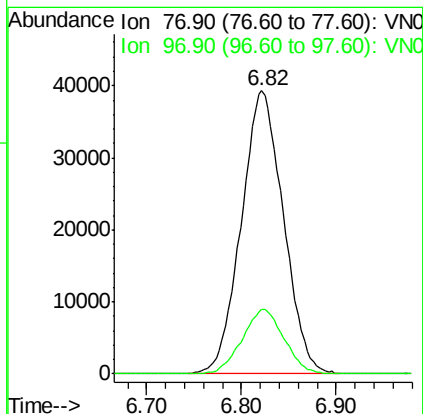
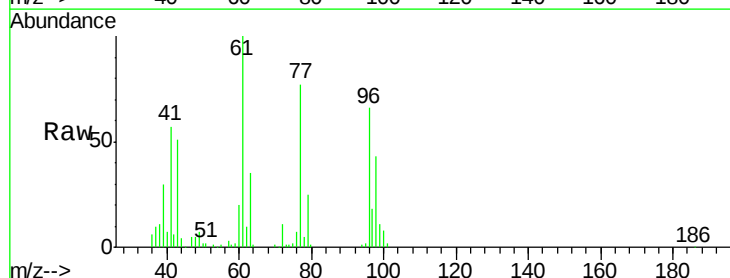
Acq: 12 Apr 2019 18:26

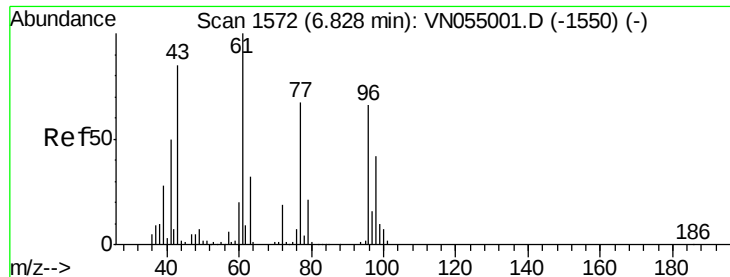
Tgt Ion: 77 Resp: 121442

Ion Ratio Lower Upper

77 100

97 22.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.075 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

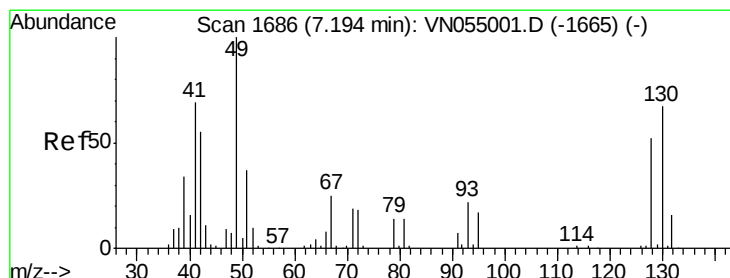
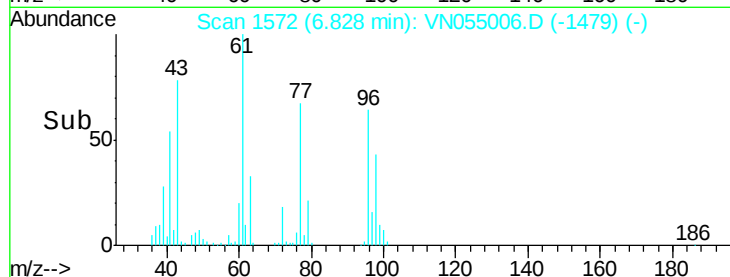
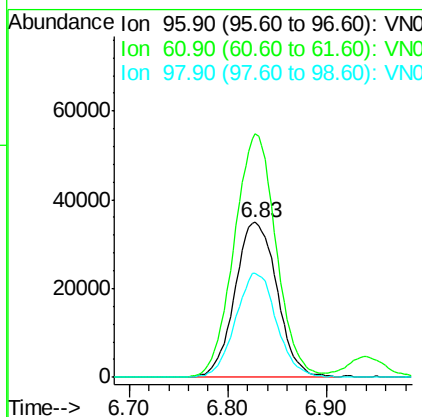
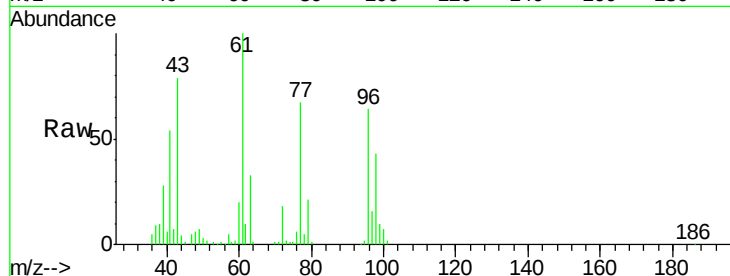
ClientSampleId :

VN0413WBS01

Tot Ion	96	Resp	103573
Ion	Ratio	Lower	Upper
96	100		
61	156.4	0.0	311.0
98	65.6	0.0	127.4

Manual Integrations
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4/16/2019 1:58:29 PM



#28

Bromochloromethane

Concen: 20.871 ug/l

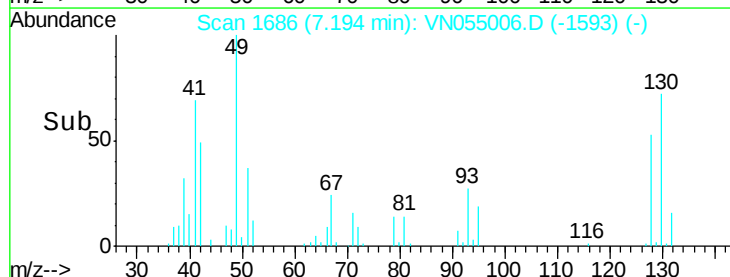
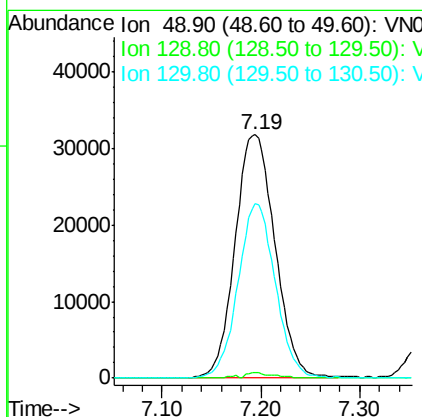
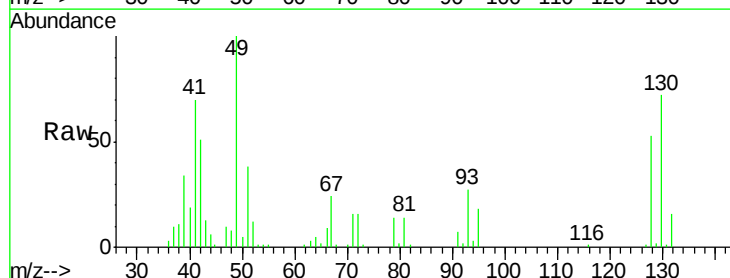
RT: 7.19 min Scan# 1686

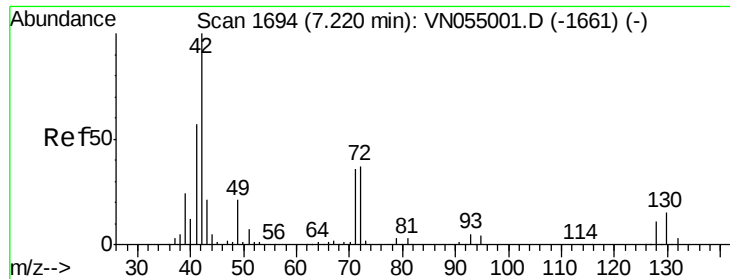
Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Tgt Ion	49	Resp	89323
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.0
130	66.8	53.4	80.2





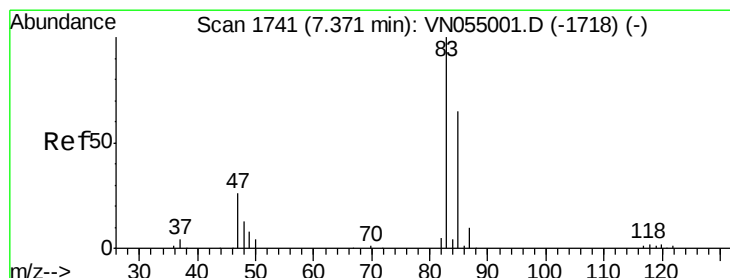
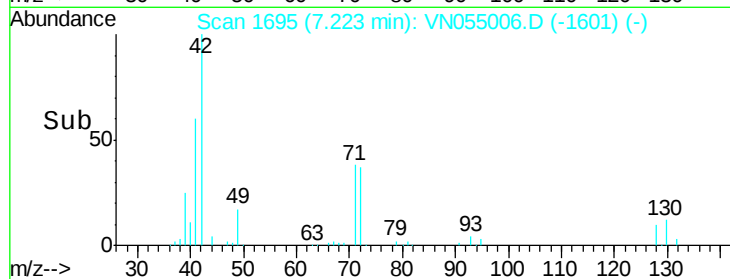
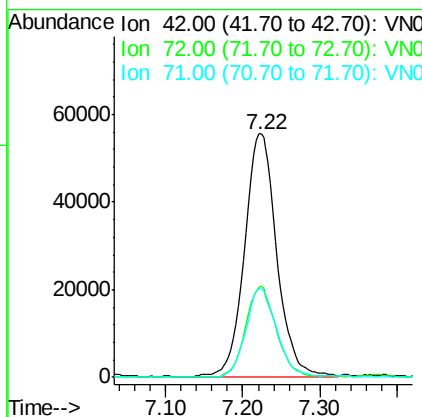
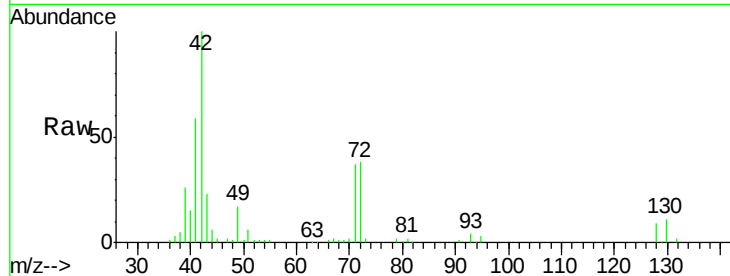
#29
Tetrahydrofuran
Concen: 107.182 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	29.4	44.0
71	34.8	27.8	41.6

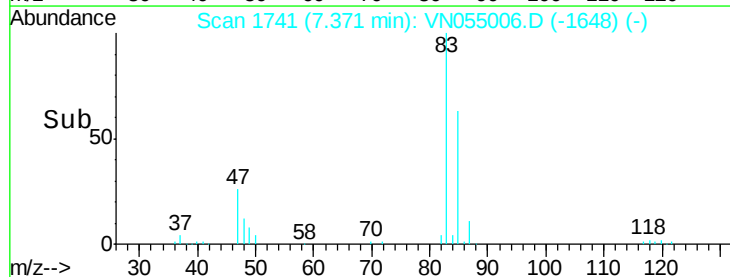
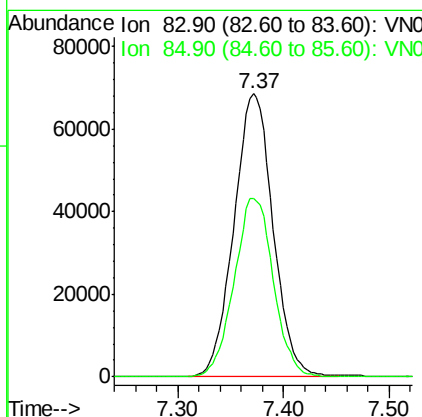
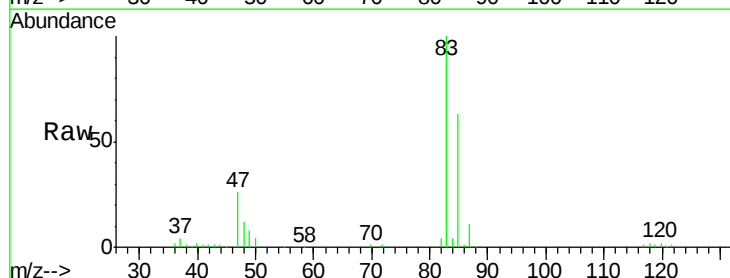
Manual Integrations
APPROVED

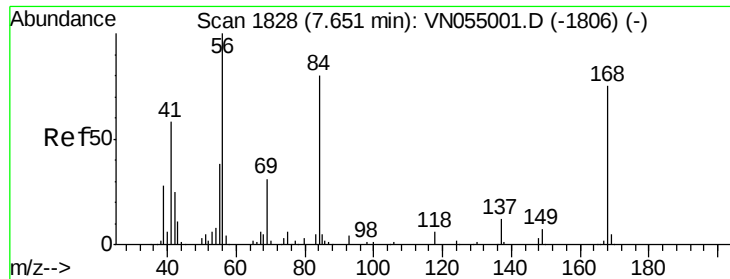
MMDadoda
4/16/2019 1:58:29 PM



#30
Chloroform
Concen: 20.522 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.6





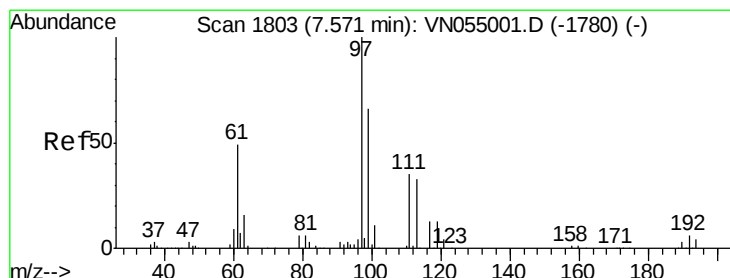
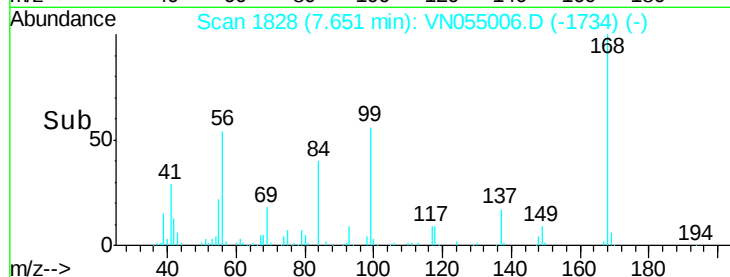
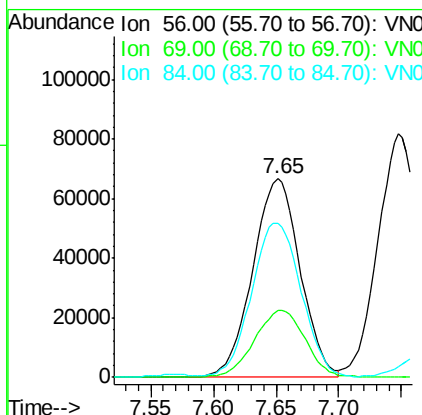
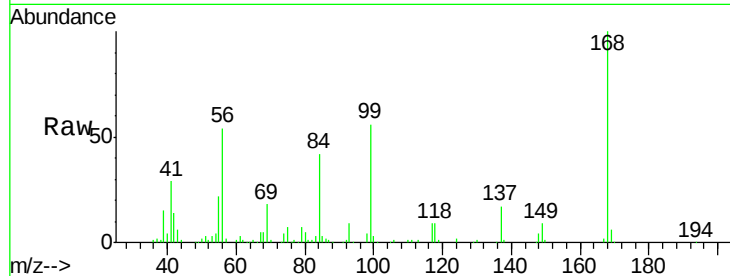
#31
Cyclohexane
Concen: 20.210 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.6	24.5	36.7
84	76.5	62.9	94.3

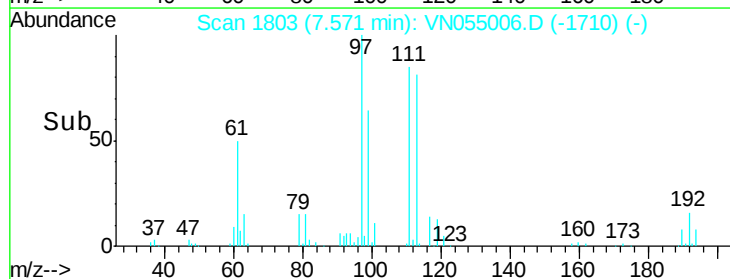
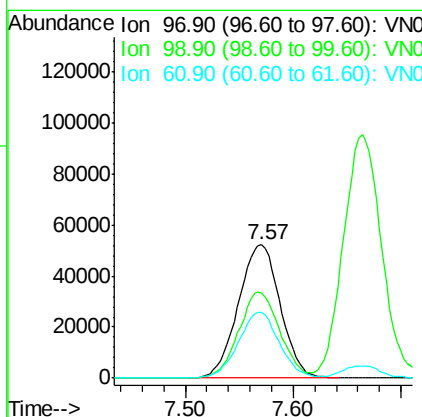
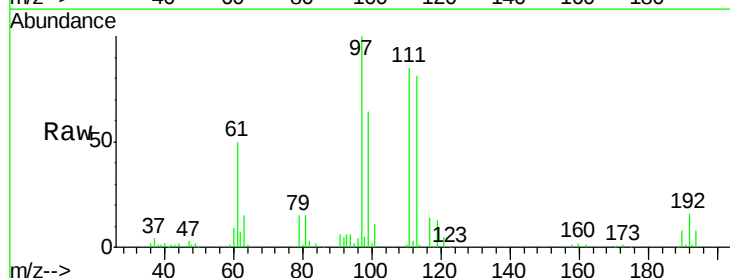
Manual Integrations
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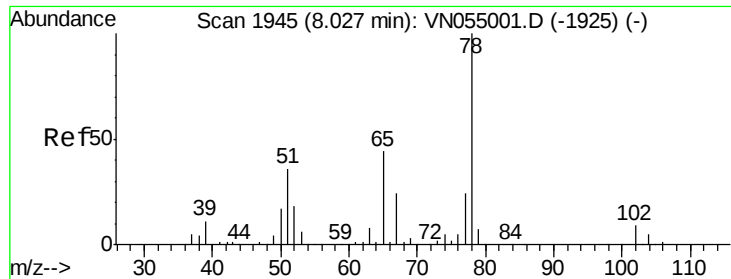
MMDadoda
4/16/2019 1:58:29 PM



#32
1,1,1-Trichloroethane
Concen: 20.570 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.6	77.4
61	48.5	38.3	57.5





#33

1,2-Dichloroethane-d4

Concen: 50.381 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampled :

VN0413WBS01

Tot Ion: 65 Resp: 275686

Ion Ratio Lower Upper

65 100

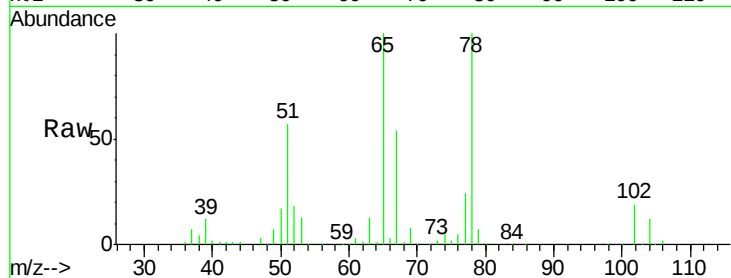
67 52.8 0.0 106.4

Manual Integrations

APPROVED

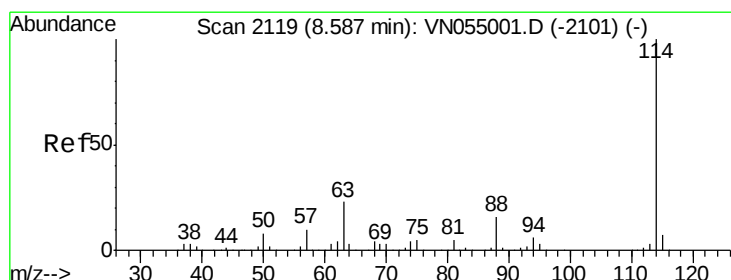
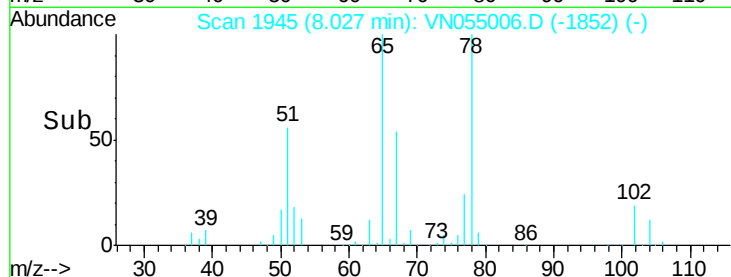
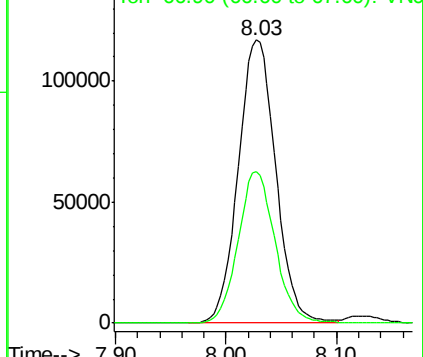
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Abundance Ion 64.90 (64.60 to 65.60): VN055006.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055006.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

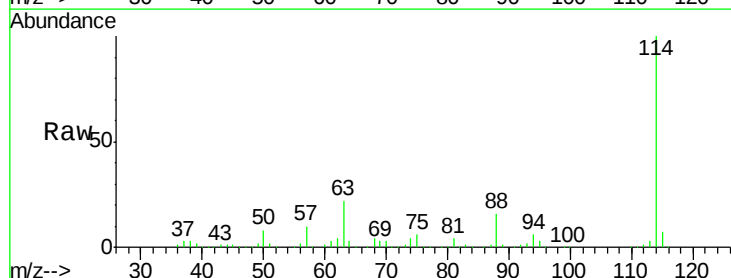
Tgt Ion: 114 Resp: 693646

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.2

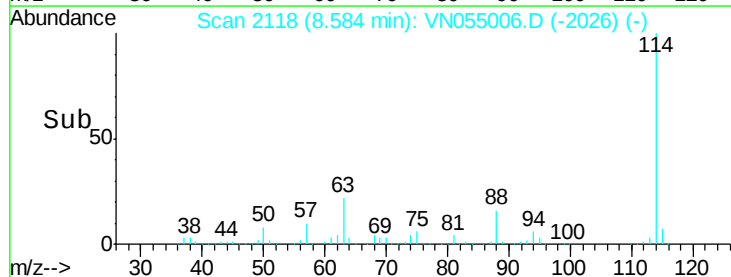
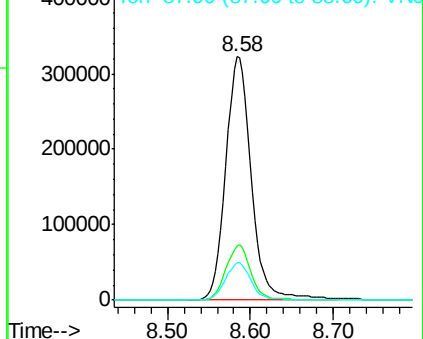
88 15.5 0.0 31.8

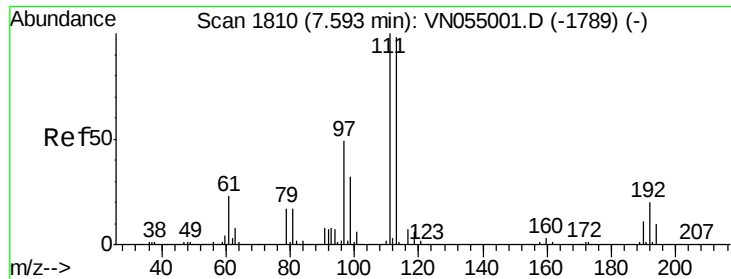


Abundance Ion 113.90 (113.60 to 114.60): VN055006.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055006.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055006.D (-2026) (-)





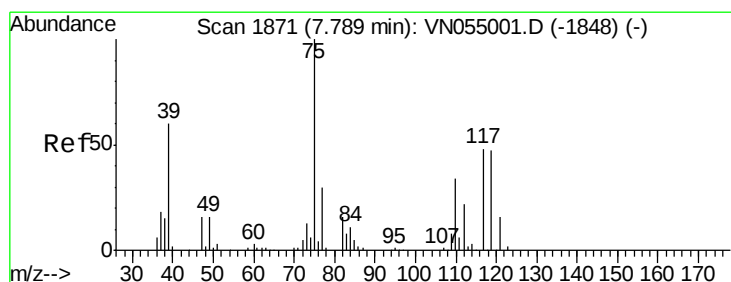
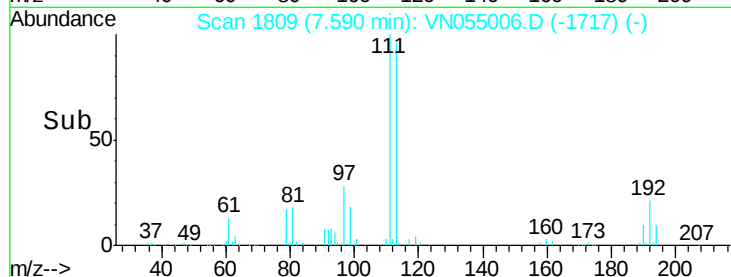
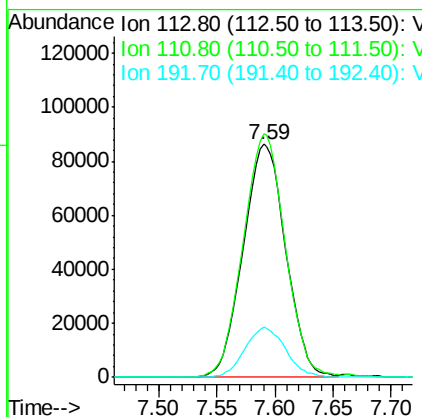
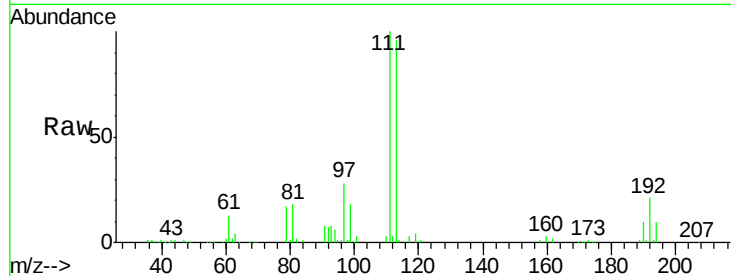
#35
 Dibromofluoromethane
 Concen: 49.936 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	220805		
111	103.3	82.1	123.1	
192	20.6	16.5	24.7	

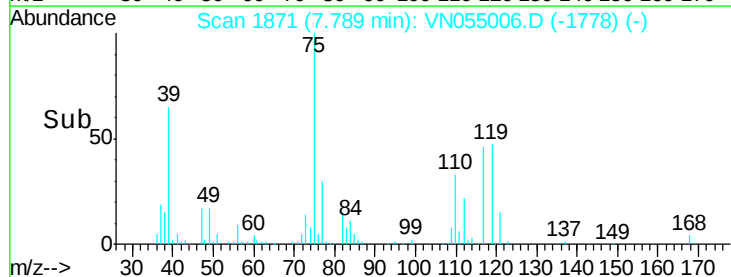
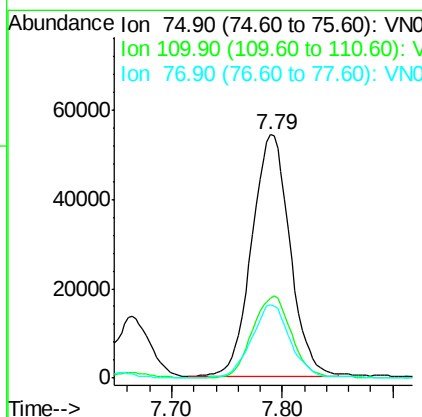
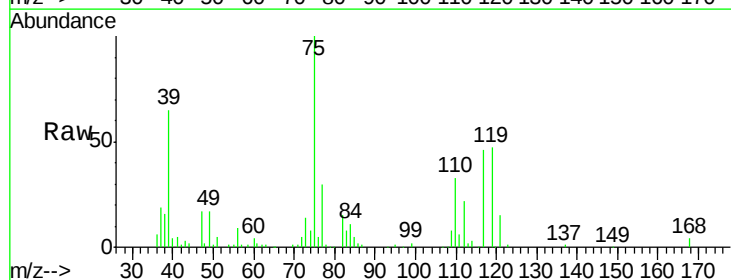
Manual Integrations
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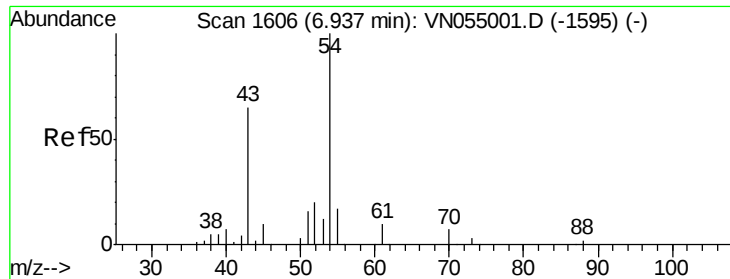
MMDadoda
 4/16/2019 1:58:29 PM



#36
 1,1-Dichloropropene
 Concen: 20.262 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	129893		
110	35.1	17.5	52.5	
77	30.9	24.9	37.3	





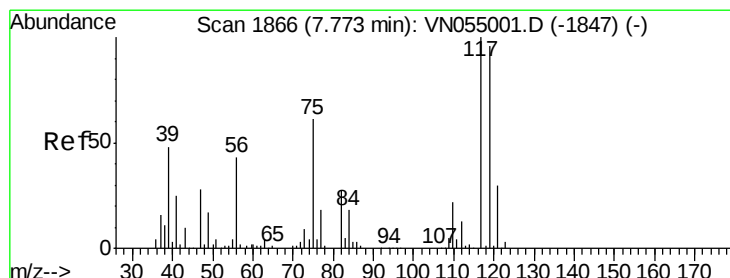
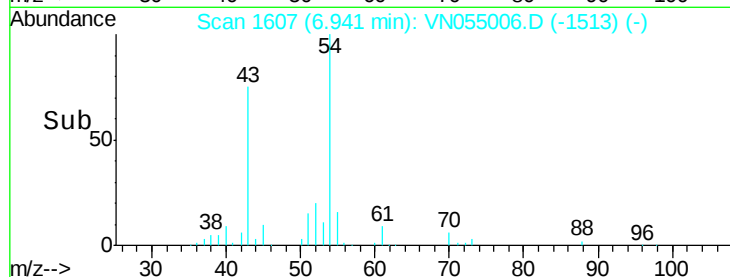
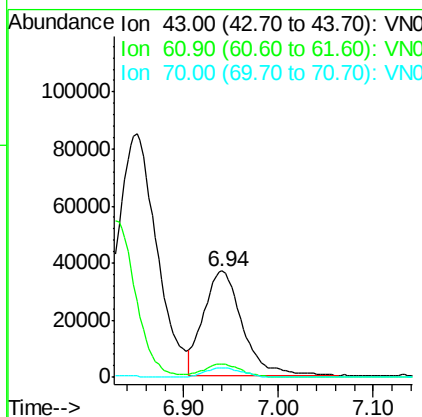
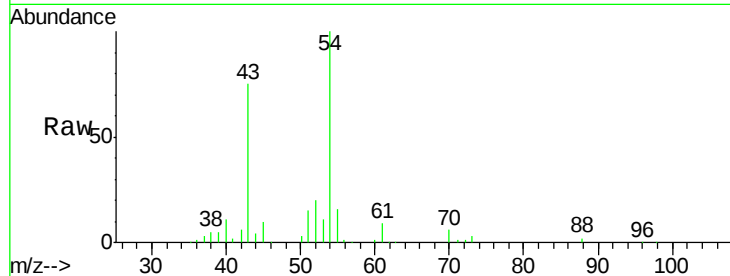
#37
Ethyl Acetate
Concen: 21.786 ug/l
RT: 6.94 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.0	15.0
70	8.6	7.1	10.7

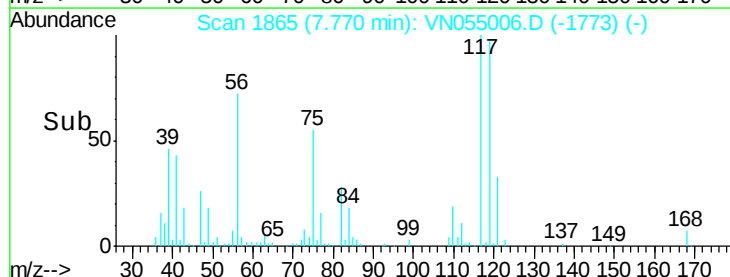
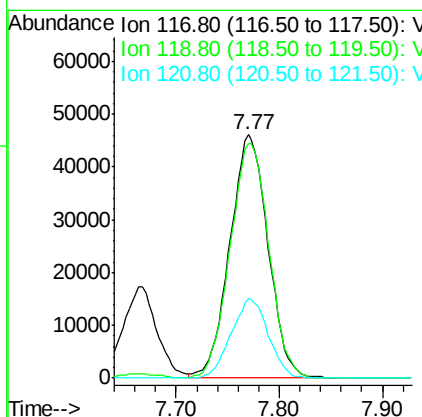
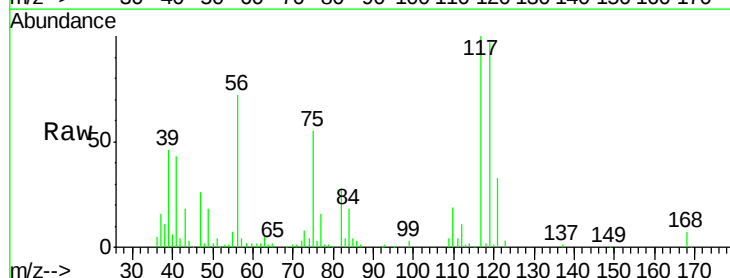
Manual Integrations
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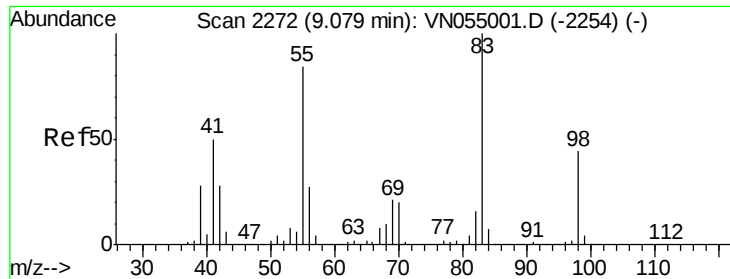
MMDadoda
4/16/2019 1:58:29 PM



#38
Carbon Tetrachloride
Concen: 19.684 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.3	114.5
121	32.5	23.9	35.9





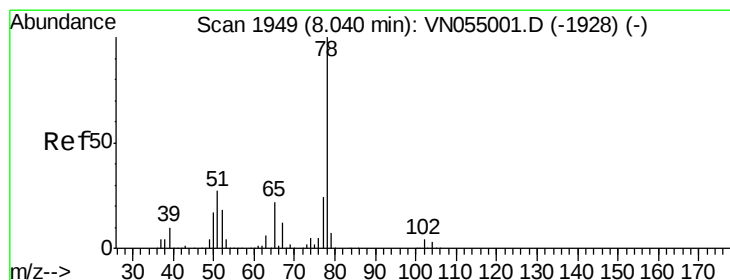
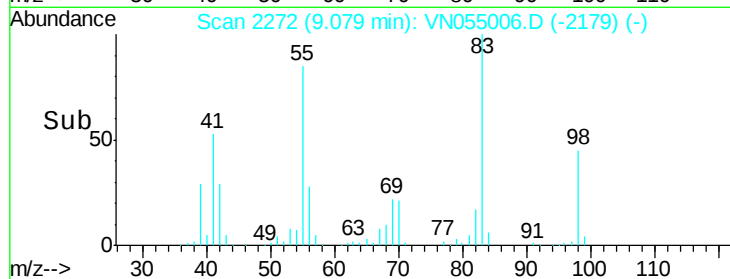
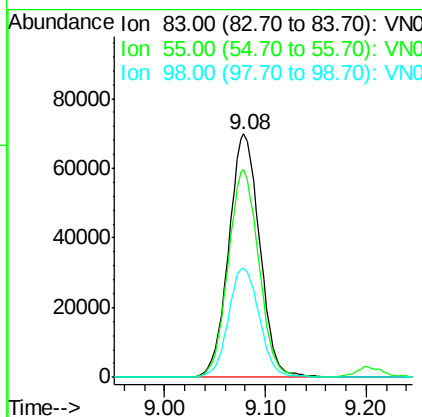
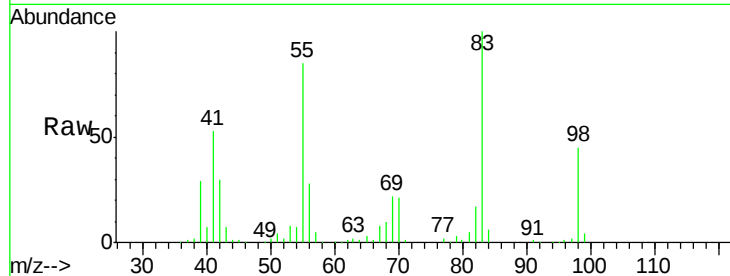
#39
Methvlcvclohexane
Concen: 20.352 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	83.00	Resp	149364
Ion	Ratio	Lower	Upper
83	100		
55	85.3	67.0	100.4
98	44.7	35.6	53.4

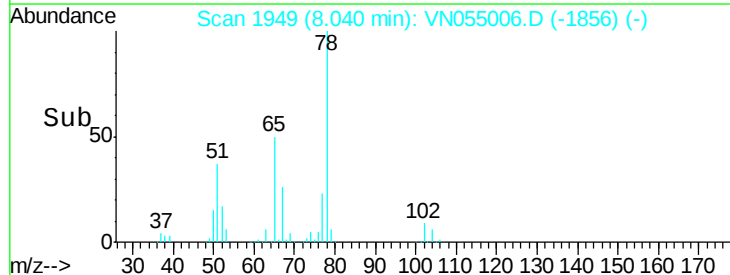
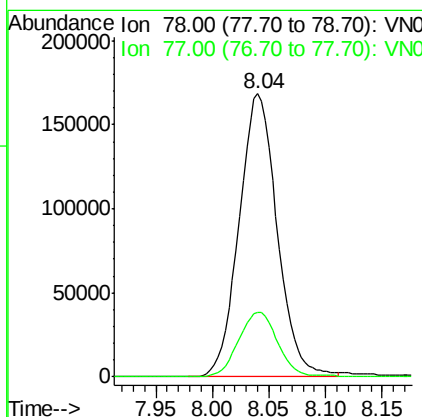
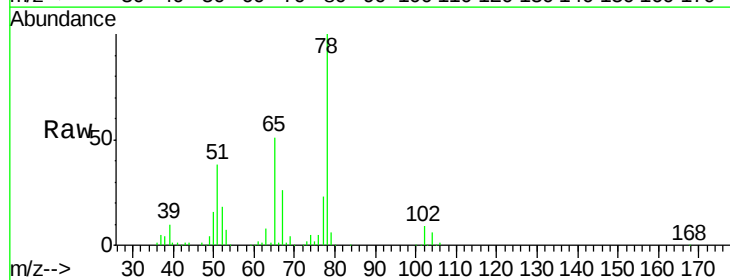
Manual Integrations
APPROVED

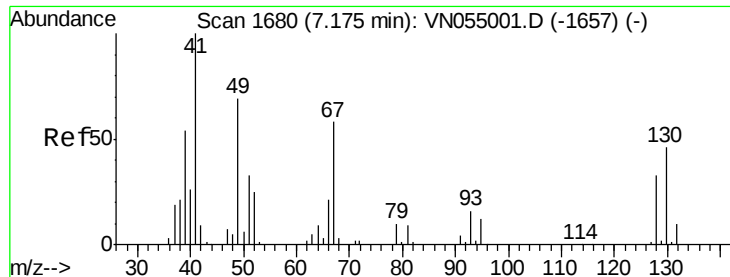
MMDadoda
4/16/2019 1:58:29 PM



#40
Benzene
Concen: 20.403 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	78.00	Resp	395442
Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





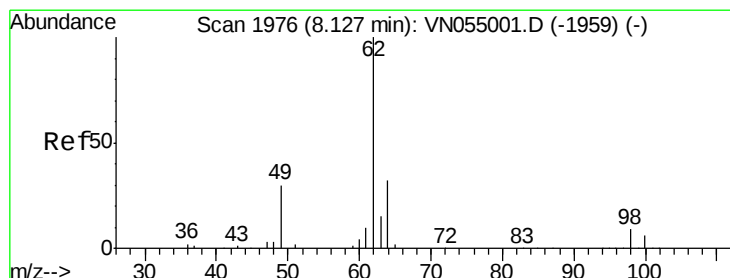
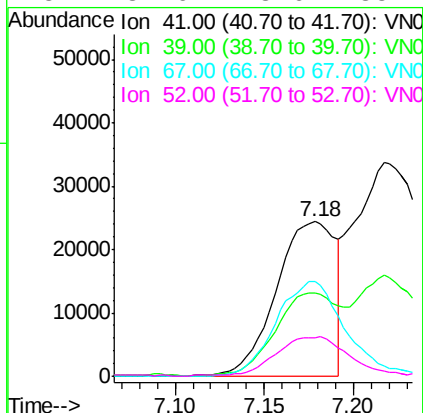
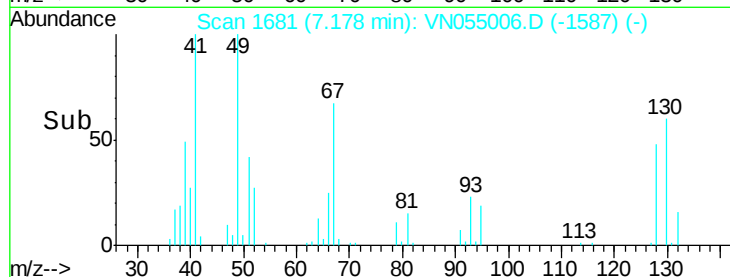
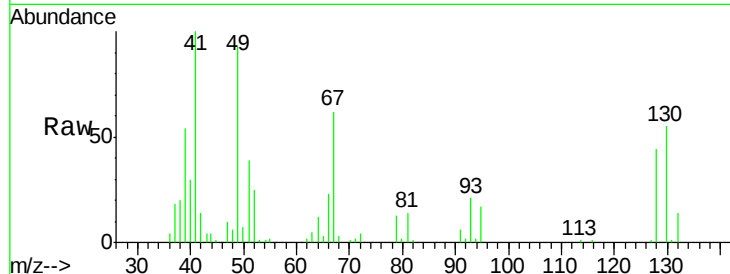
#41
Methacrylonitrile
Concen: 19.011 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.1	45.6	68.4	
67	72.4	57.0	85.6	
52	31.6	23.6	35.4	

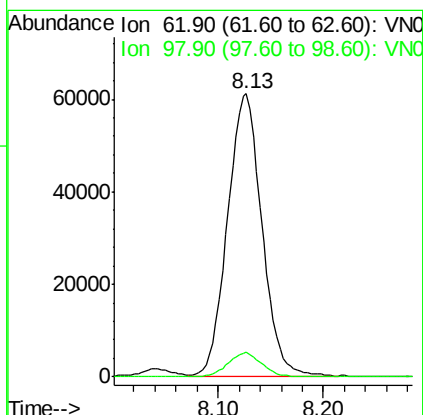
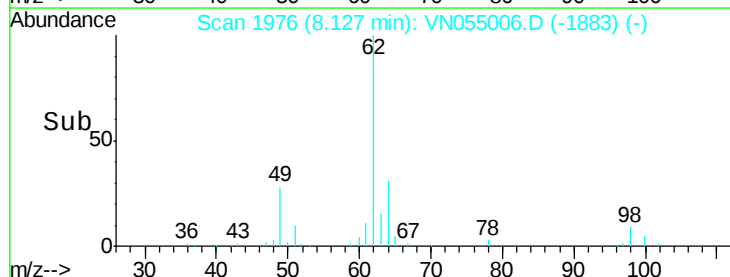
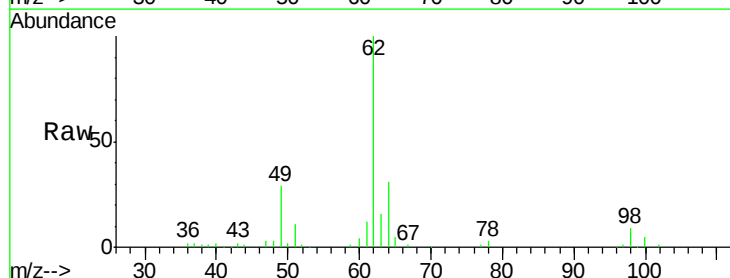
Manual Integrations
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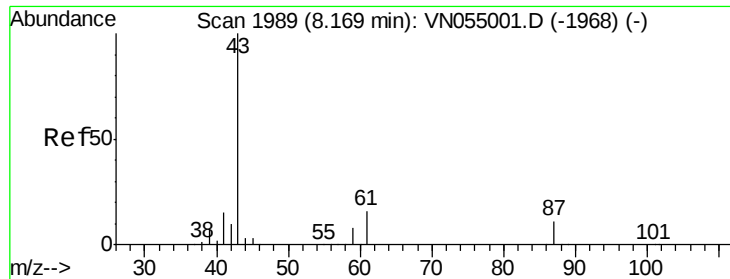
MMDadoda
4/16/2019 1:58:29 PM



#42
1,2-Dichloroethane
Concen: 20.212 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.6	0.0	17.4	





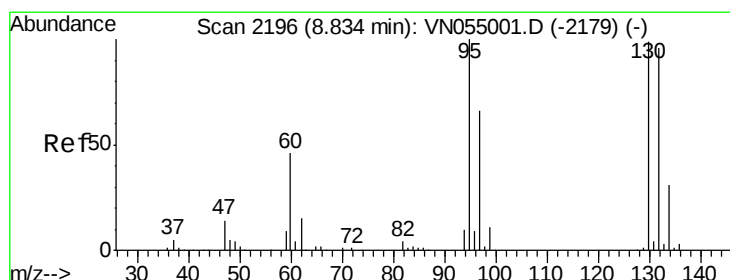
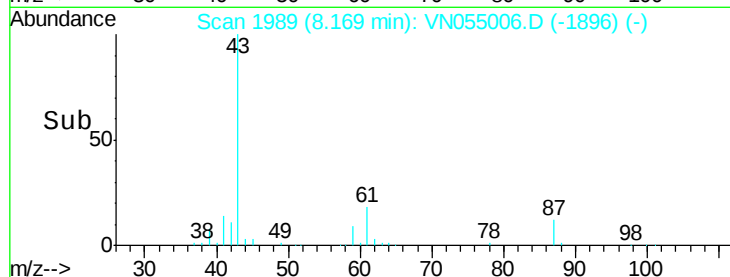
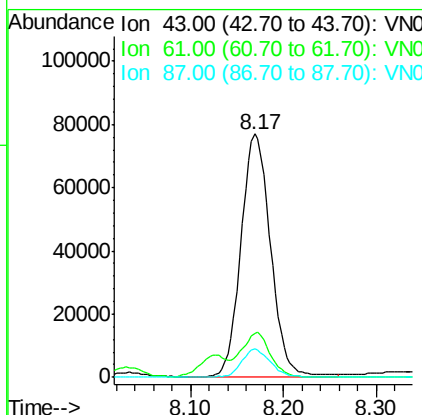
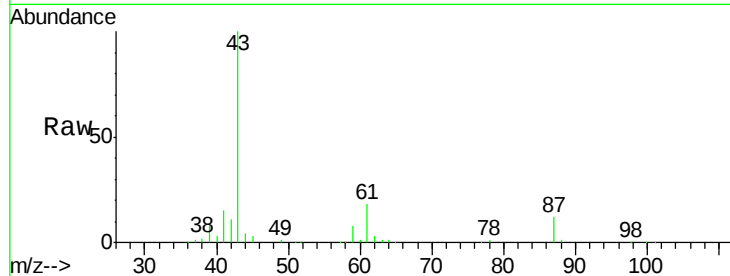
#43
Isopropyl Acetate
Concen: 20.910 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	14.3	21.5
87	11.2	8.6	13.0

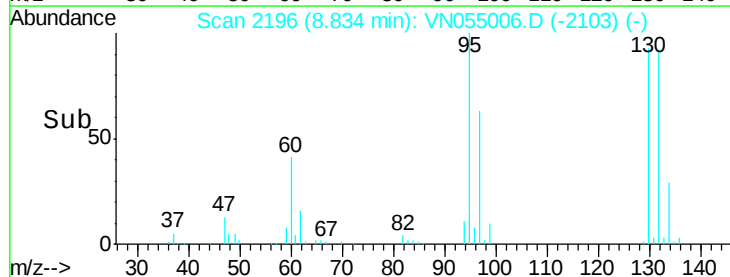
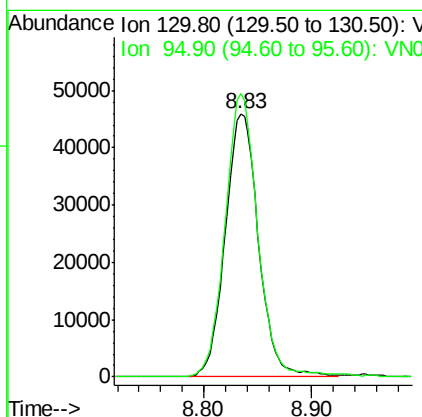
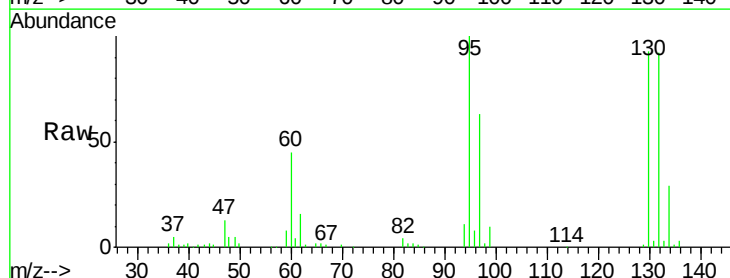
Manual Integrations
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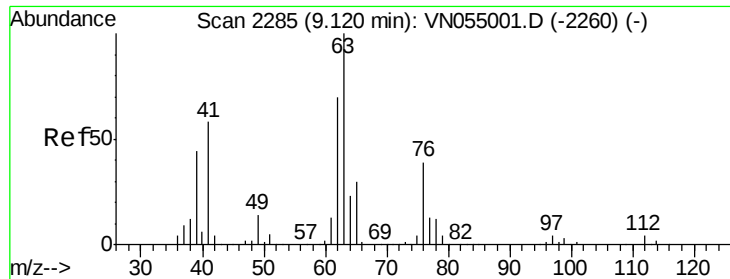
MMDadoda
4/16/2019 1:58:29 PM



#44
Trichloroethene
Concen: 19.947 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.6	0.0	201.6





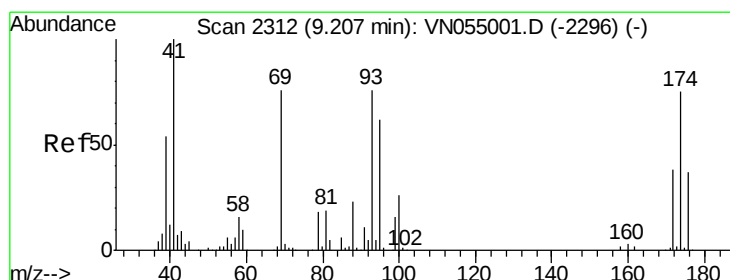
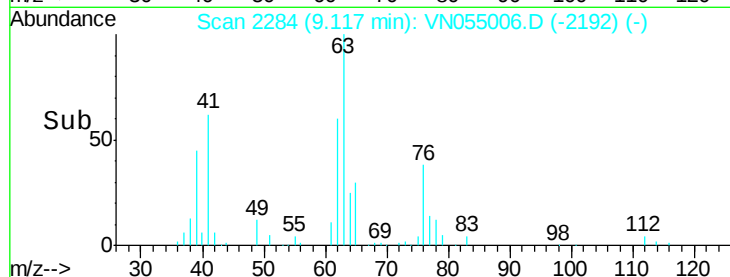
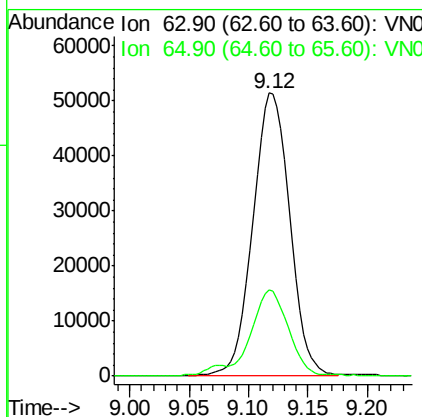
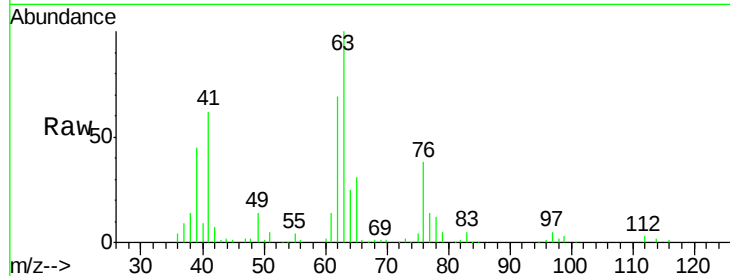
#45
 1,2-Dichloropropane
 Concen: 20.290 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion: 63 Resp: 110976
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.4 36.6

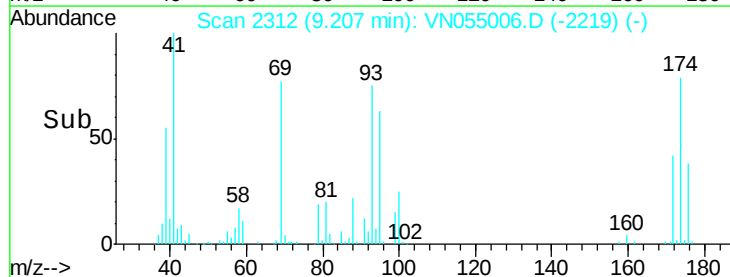
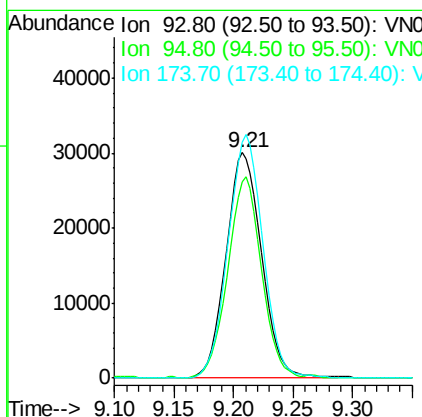
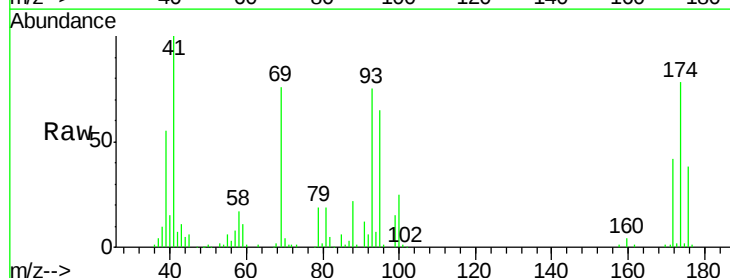
Manual Integrations
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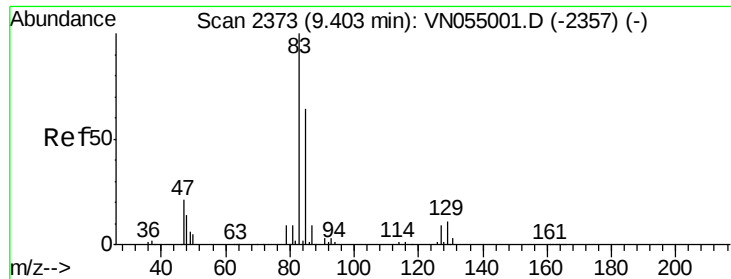
MMDadoda
 4/16/2019 1:58:29 PM



#46
 Dibromomethane
 Concen: 19.916 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion: 93 Resp: 62415
 Ion Ratio Lower Upper
 93 100
 95 84.4 65.0 97.6
 174 105.5 81.0 121.6





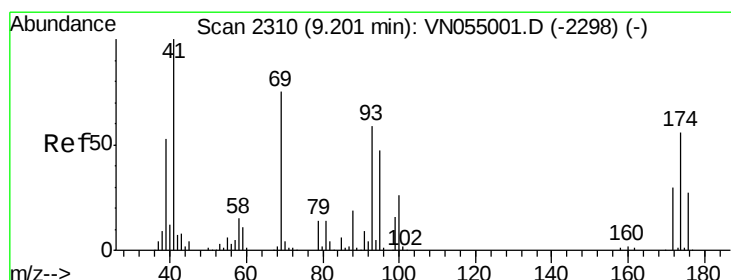
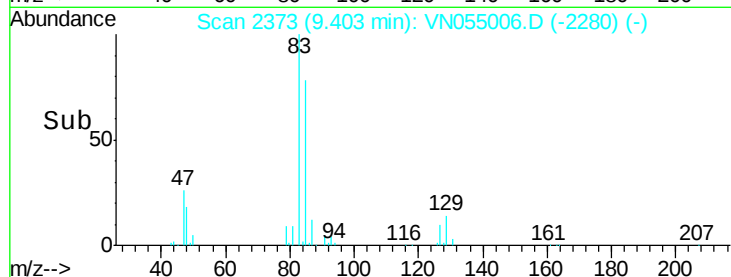
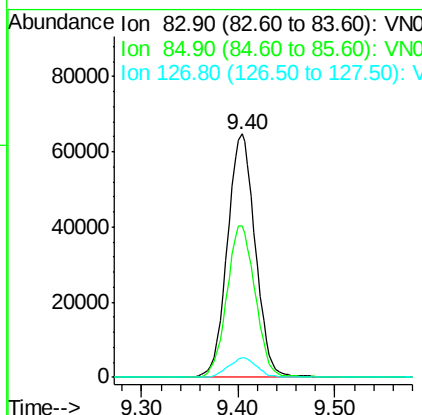
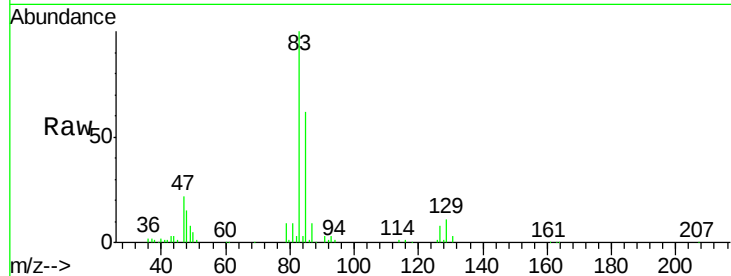
#47
Bromodichloromethane
Concen: 20.281 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	129256		
85	62.3		51.2	76.8
127	8.1		6.8	10.2

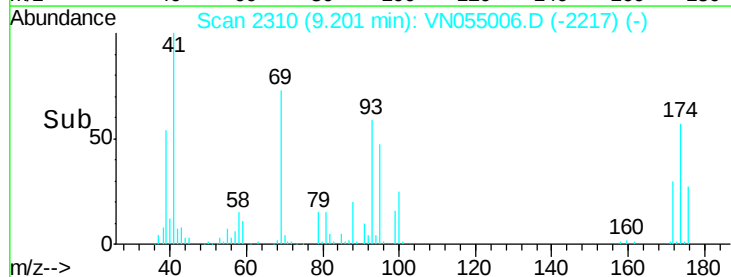
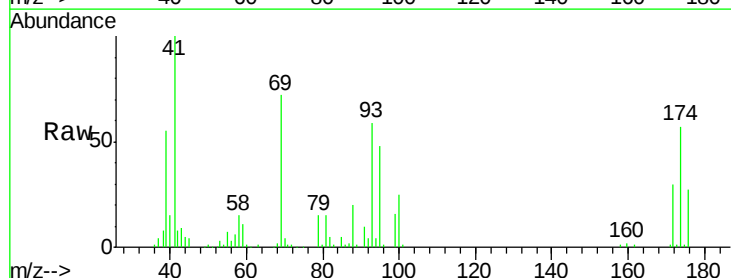
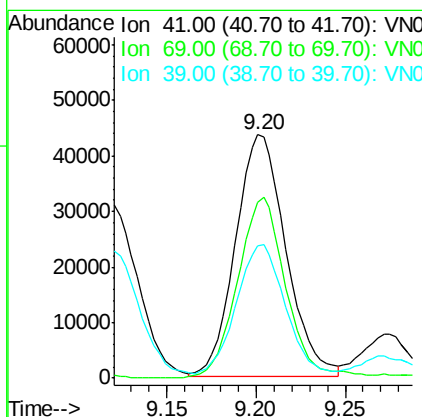
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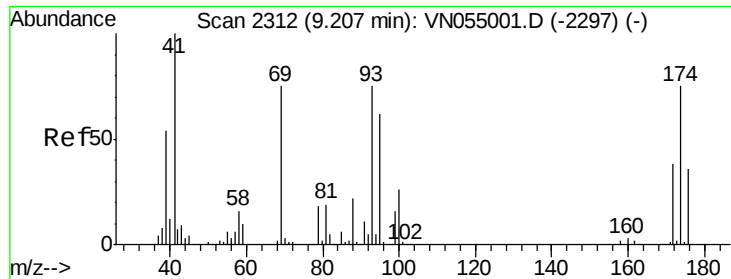
MMDadoda
4/16/2019 1:58:29 PM



#48
Methyl methacrylate
Concen: 20.246 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	85828		
69	71.8		60.5	90.7
39	53.9		43.9	65.9





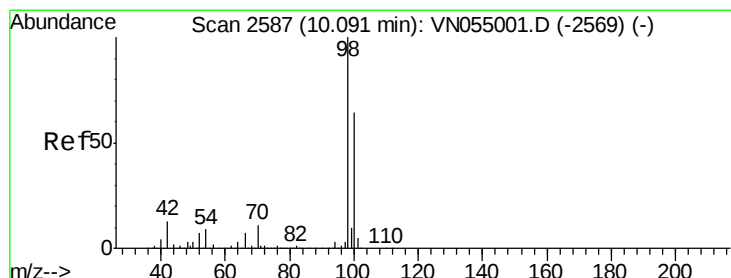
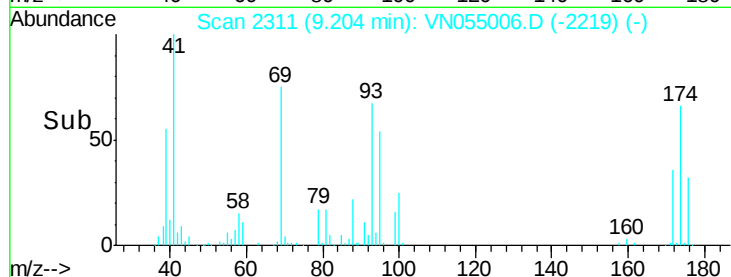
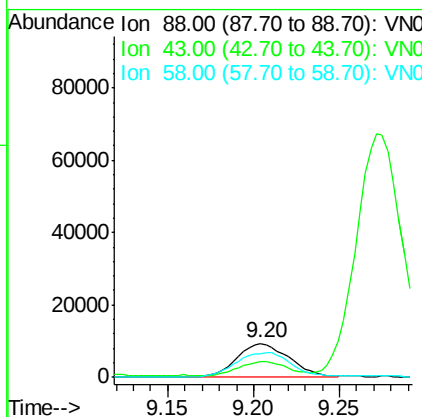
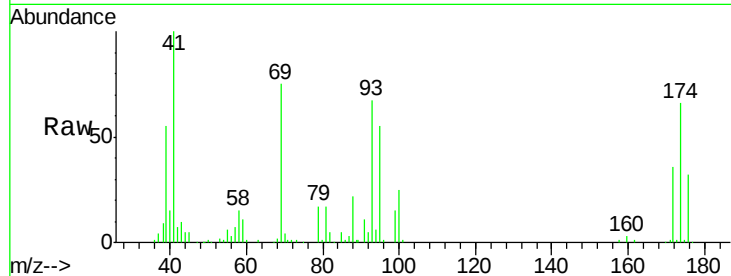
#49
1,4-Dioxane
Concen: 436.737 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. -0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	88	Resp	19911
Ion	Ratio	Lower	Upper
88	100		
43	35.7	31.8	47.8
58	77.7	61.6	92.4

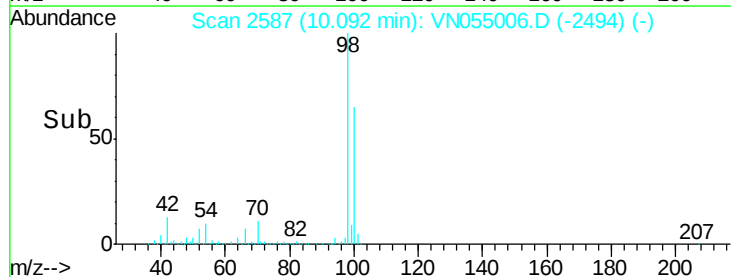
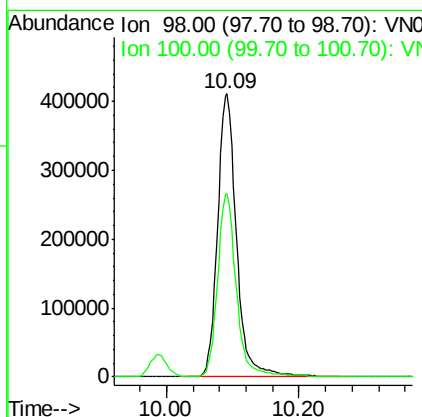
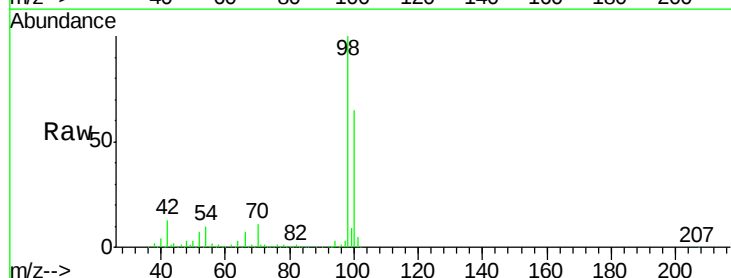
Manual Integrations
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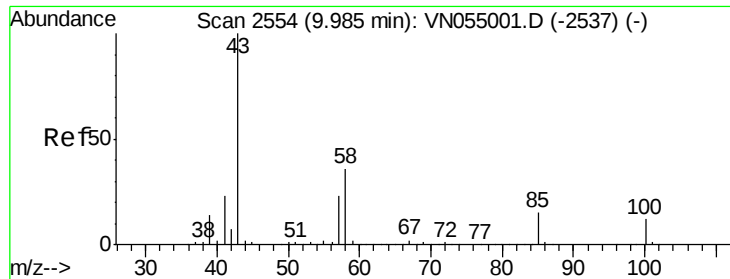
MMDadoda
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#50
Toluene-d8
Concen: 50.268 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	98	Resp	816396
Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 103.974 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 43 Resp: 500985

Ion Ratio Lower Upper

43 100

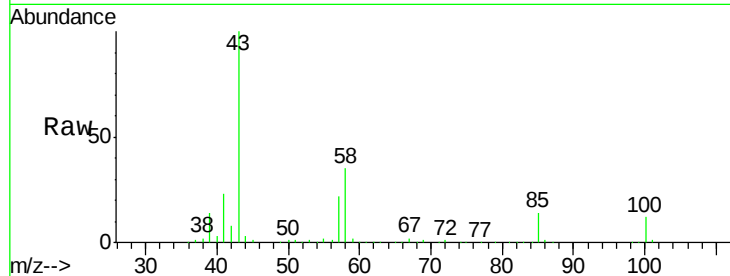
58 35.3 29.0 43.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

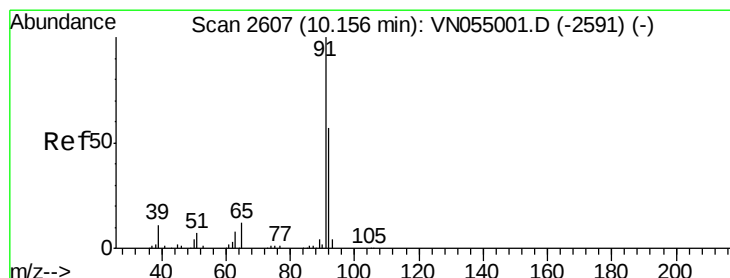
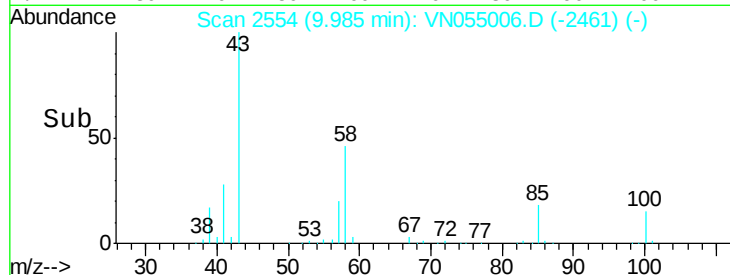
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.632 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055006.D

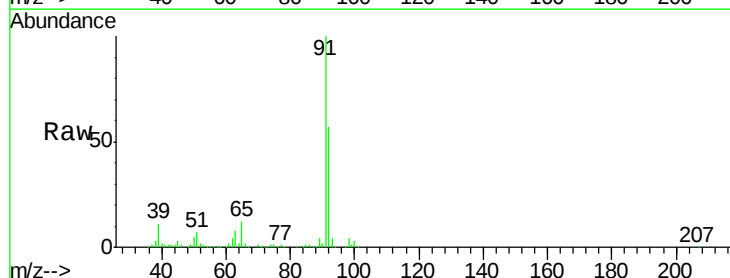
Acq: 12 Apr 2019 18:26

Tgt Ion: 92 Resp: 236492

Ion Ratio Lower Upper

92 100

91 174.7 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

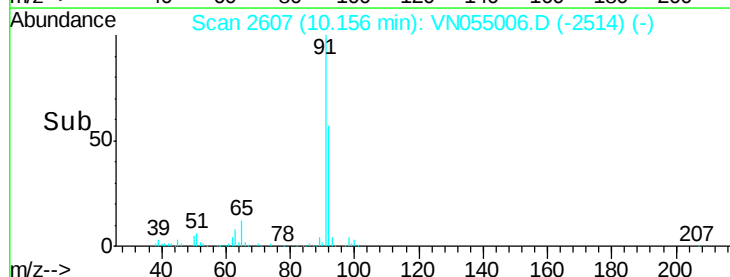
150000

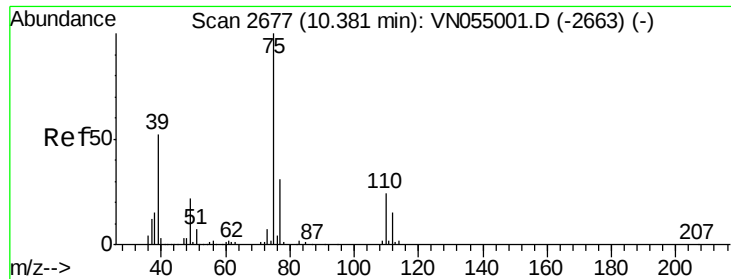
100000

50000

0

Time-->





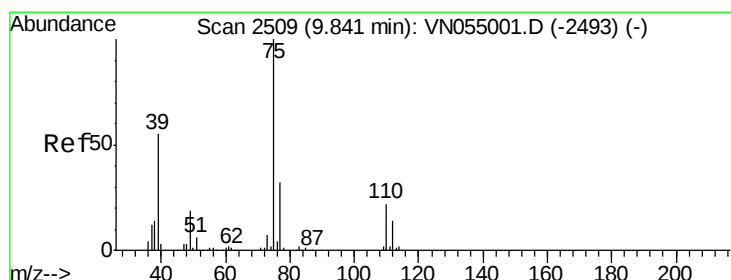
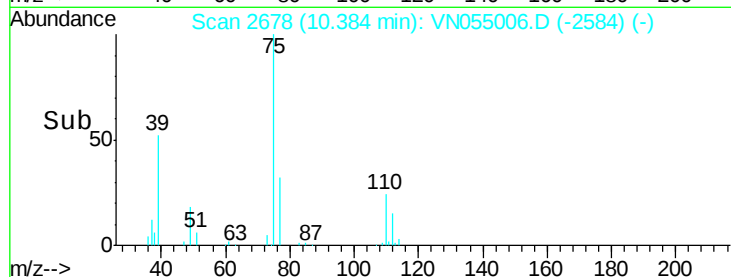
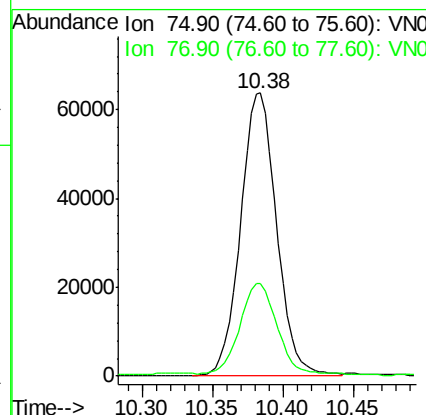
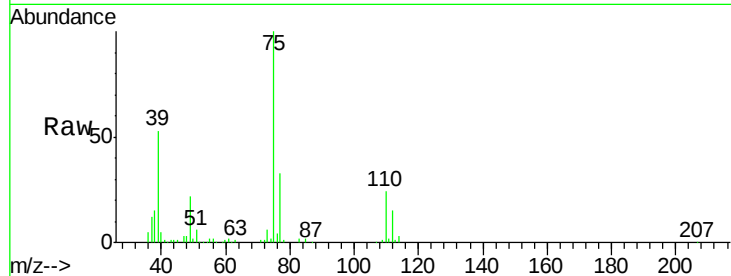
#53
t-1,3-Dichloropropene
Concen: 19.799 ug/l
RT: 10.38 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion: 75 Resp: 114260
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0

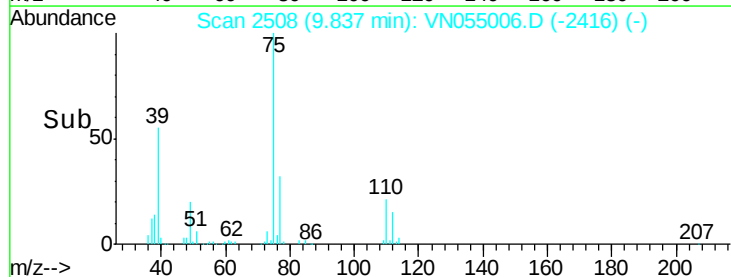
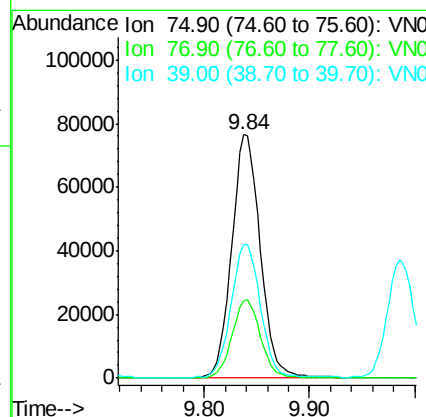
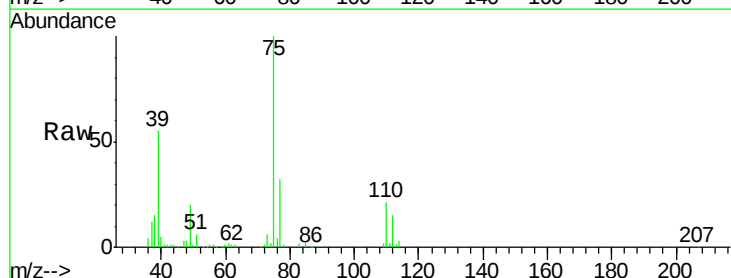
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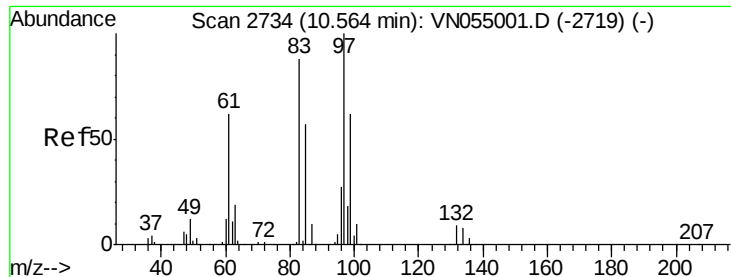
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.220 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion: 75 Resp: 143740
Ion Ratio Lower Upper
75 100
77 31.9 25.8 38.6
39 54.8 43.8 65.8





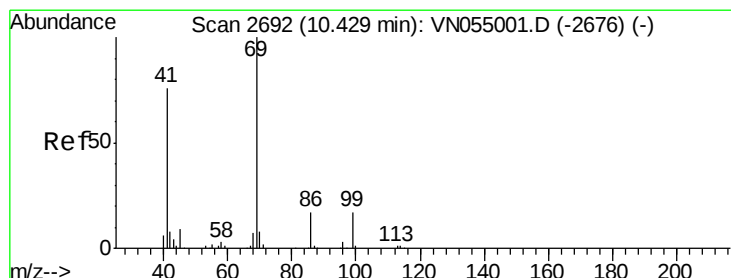
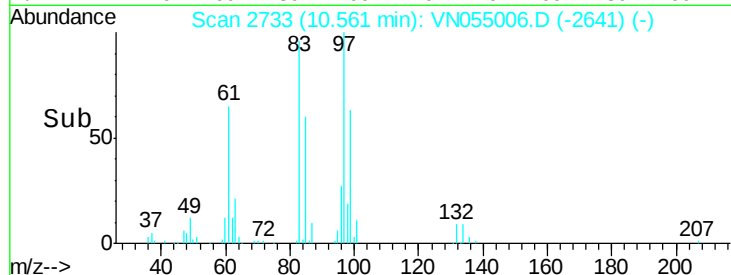
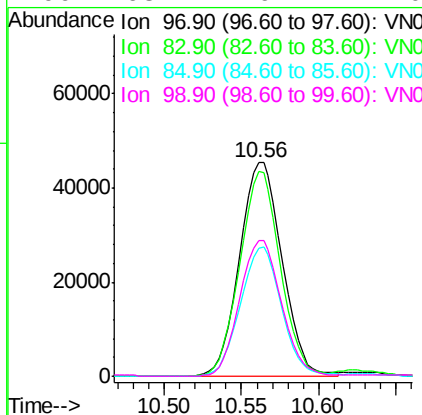
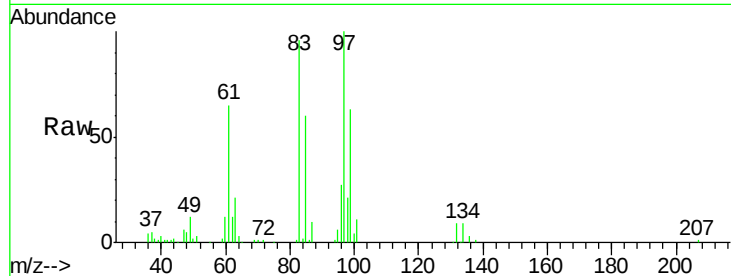
#55
 1,1,2-Trichloroethane
 Concen: 20.354 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion:	97	Resp:	86911
Ion	Ratio	Lower	Upper
97	100		
83	96.0	70.5	105.7
85	60.1	45.5	68.3
99	63.4	49.4	74.0

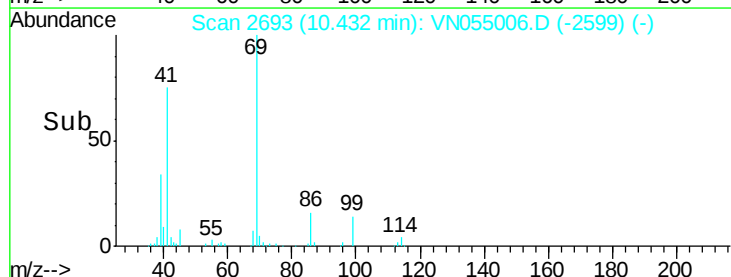
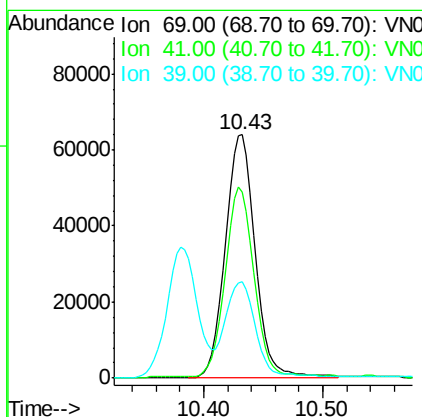
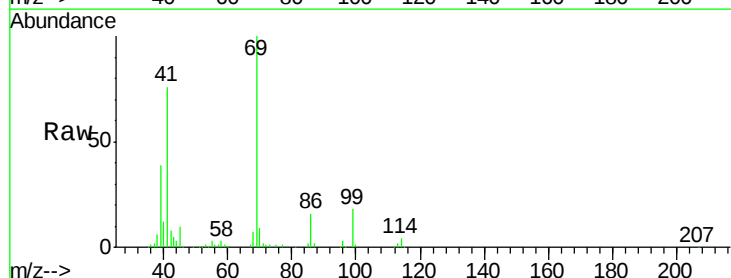
Manual Integrations
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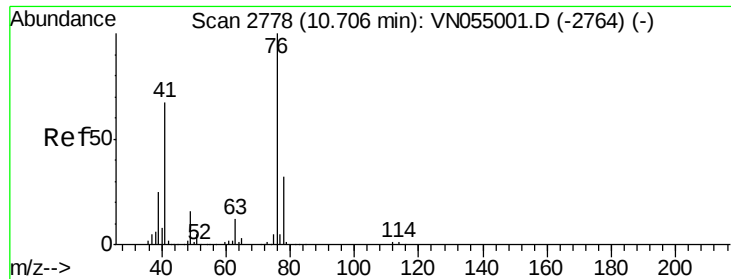
MMDadoda
 4/16/2019 1:58:29 PM



#56
 Ethyl methacrylate
 Concen: 20.305 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion:	69	Resp:	111565
Ion	Ratio	Lower	Upper
69	100		
41	74.8	61.4	92.0
39	37.4	30.8	46.2





#57

1,3-Dichloropropane

Concen: 20.857 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 76 Resp: 153631

Ion Ratio Lower Upper

76 100

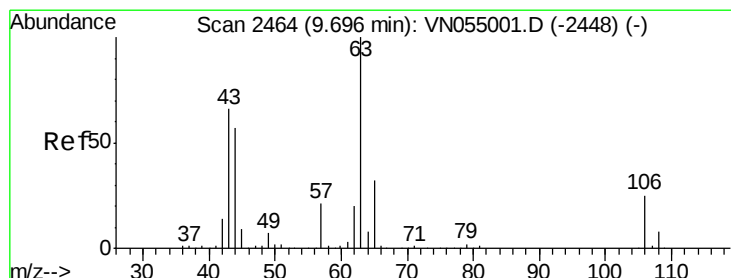
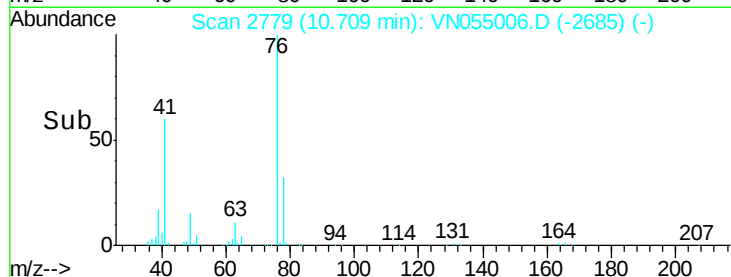
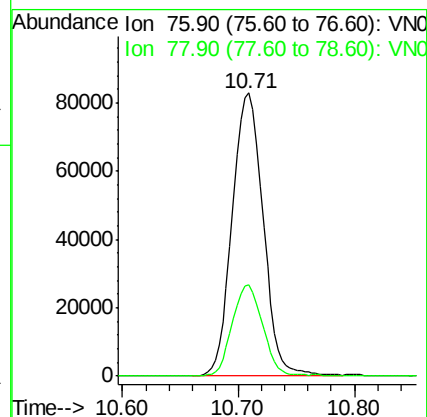
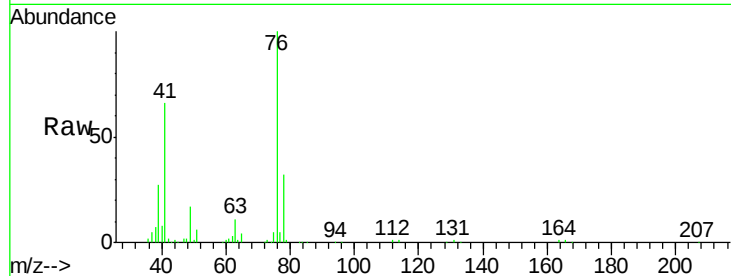
78 31.6 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 99.718 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055006.D

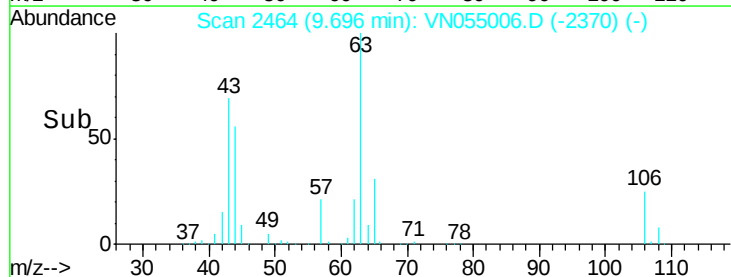
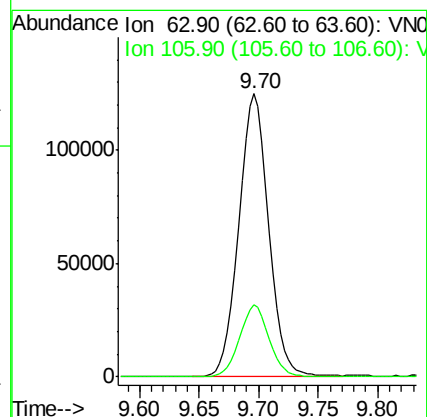
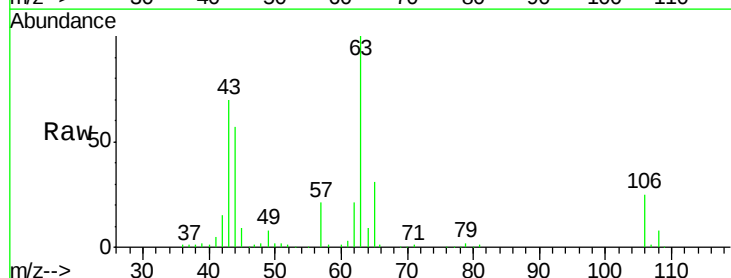
Acq: 12 Apr 2019 18:26

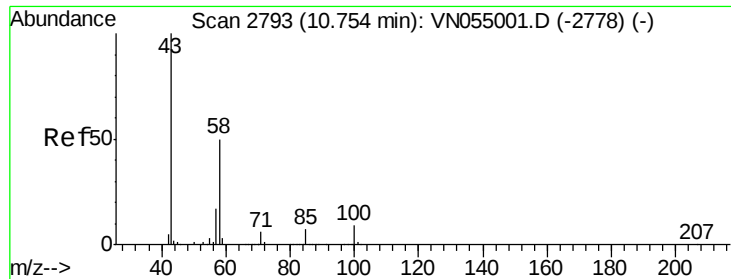
Tgt Ion: 63 Resp: 217052

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0





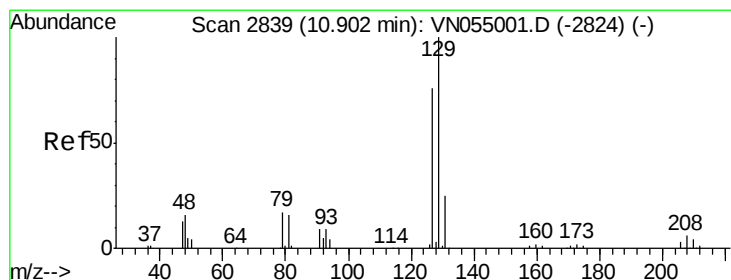
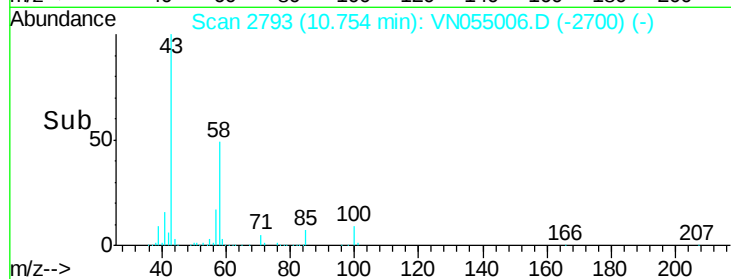
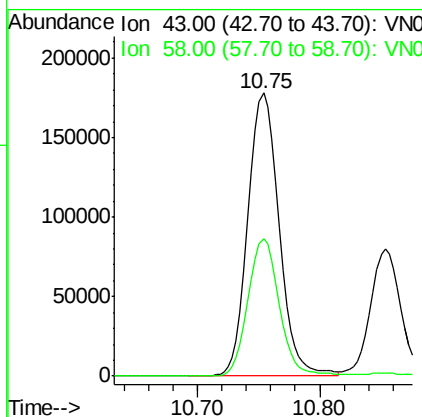
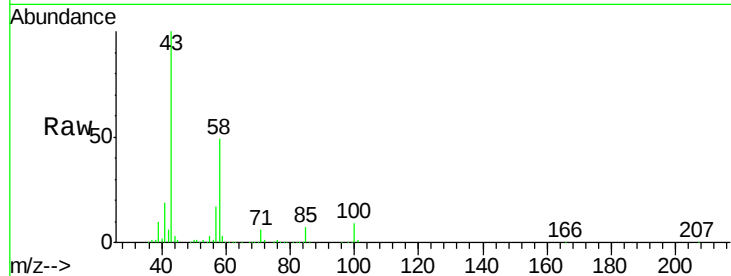
#59
2-Hexanone
Concen: 104.124 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	43	Resp	313515
Ion Ratio	100	Lower	Upper
43	100		
58	48.8	25.1	75.2

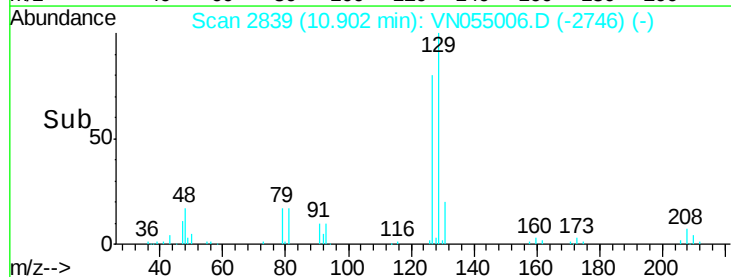
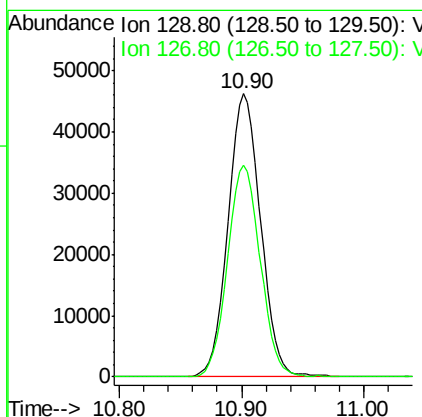
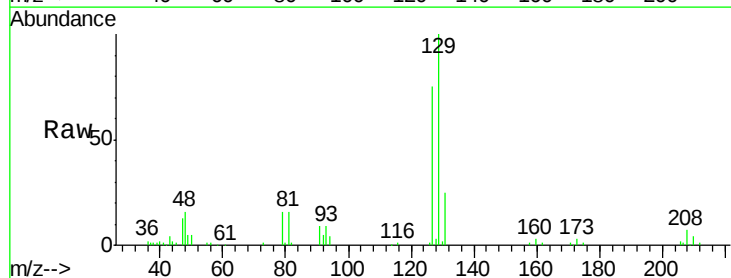
Manual Integrations
APPROVED

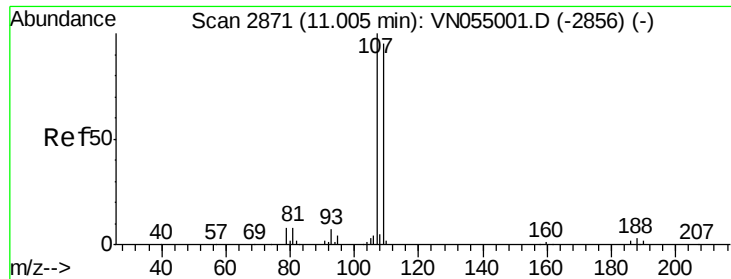
MMDadoda
4/16/2019 1:58:29 PM



#60
Dibromochloromethane
Concen: 20.212 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	129	Resp	85906
Ion Ratio	100	Lower	Upper
129	100		
127	75.3	38.2	114.6





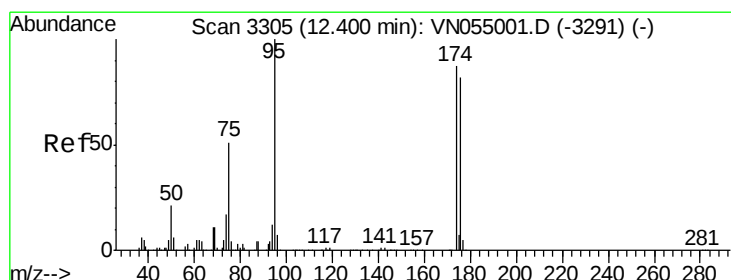
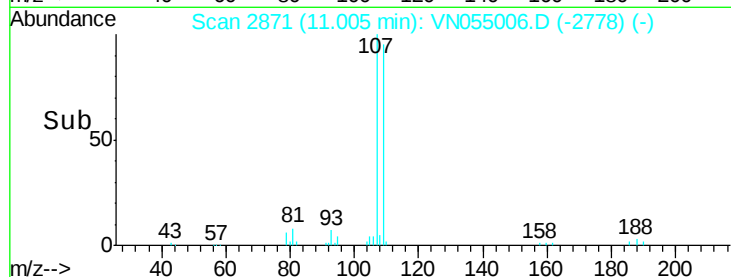
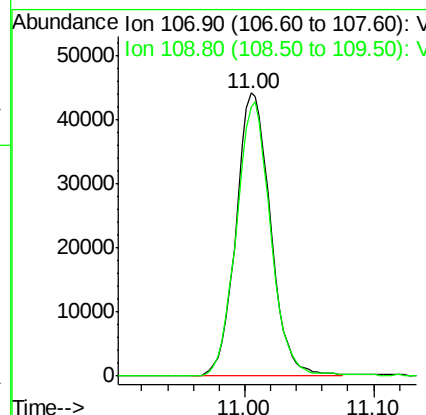
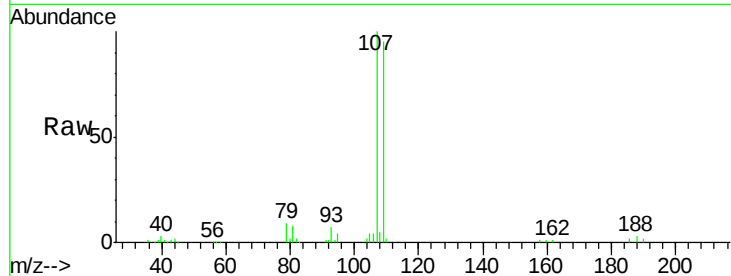
#61
 1,2-Dibromoethane
 Concen: 20.055 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion: 107 Resp: 81990
 Ion Ratio Lower Upper
 107 100
 109 96.7 76.5 114.7

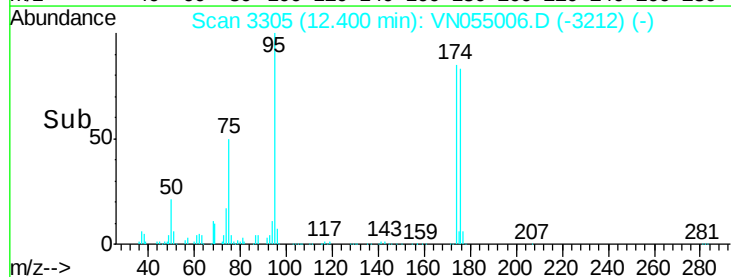
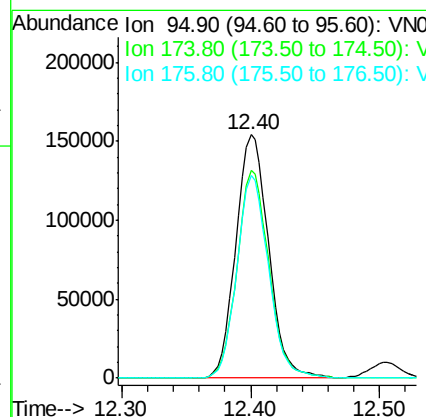
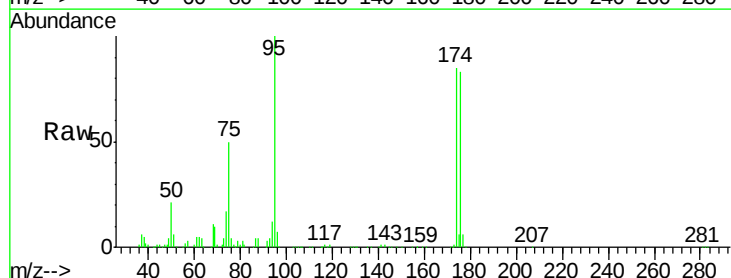
Manual Integrations
 APPROVED

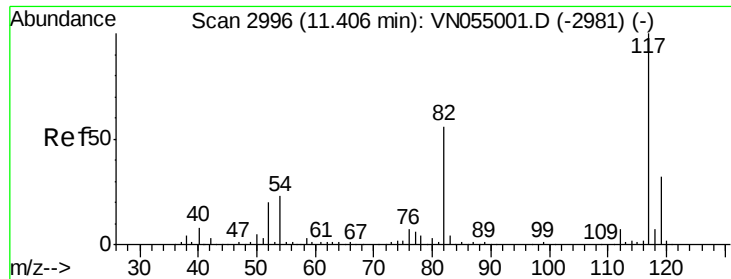
MMDadoda
 4/16/2019 1:58:29 PM



#62
 4-Bromofluorobenzene
 Concen: 49.809 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion: 95 Resp: 272486
 Ion Ratio Lower Upper
 95 100
 174 83.0 0.0 174.4
 176 80.7 0.0 166.8





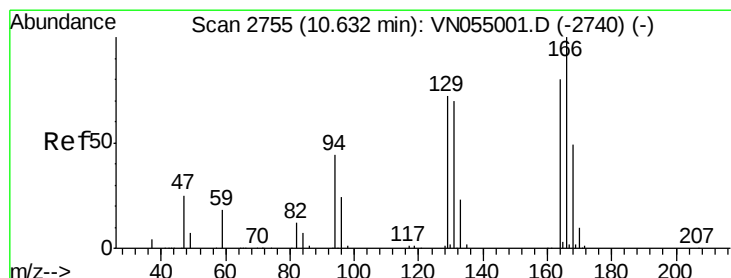
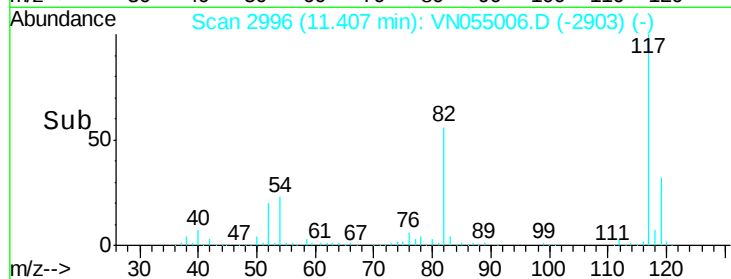
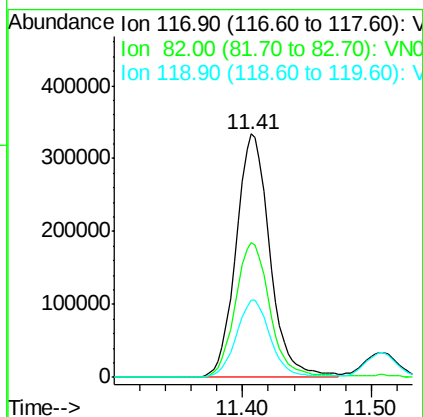
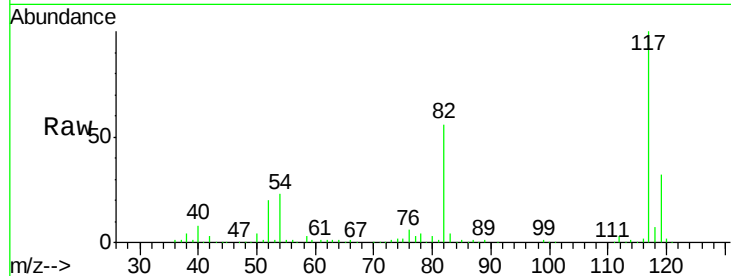
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	66.8
119	31.6	25.5	38.3

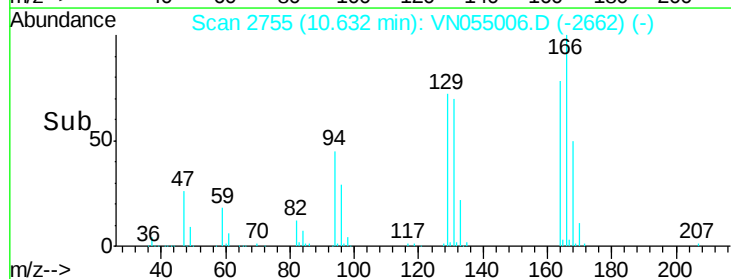
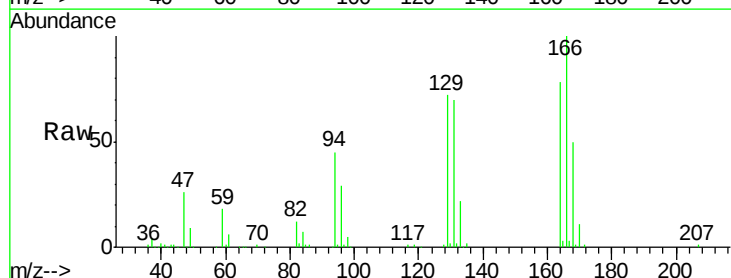
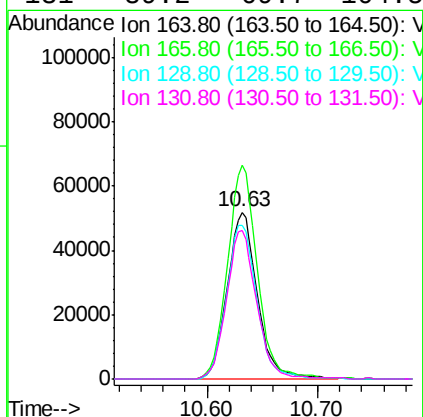
Manual Integrations
APPROVED

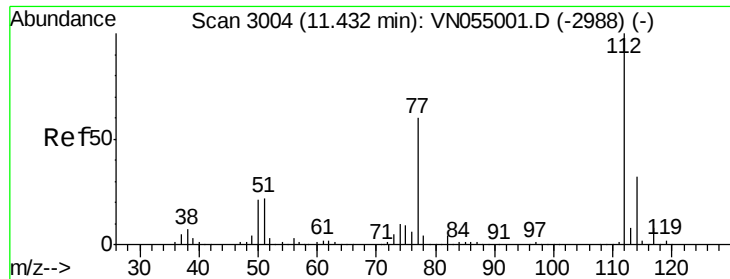
MMDadoda
4/16/2019 1:58:29 PM



#64
Tetrachloroethene
Concen: 20.646 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	100.0	150.0
129	92.4	72.0	108.0
131	89.2	69.7	104.5





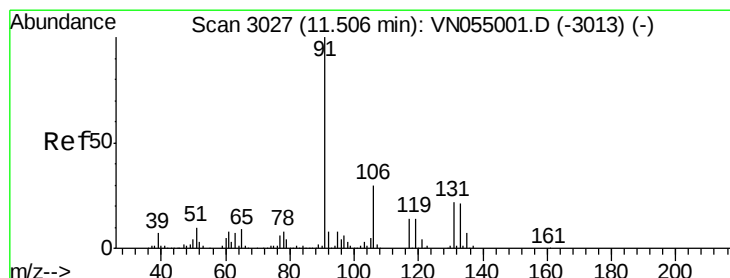
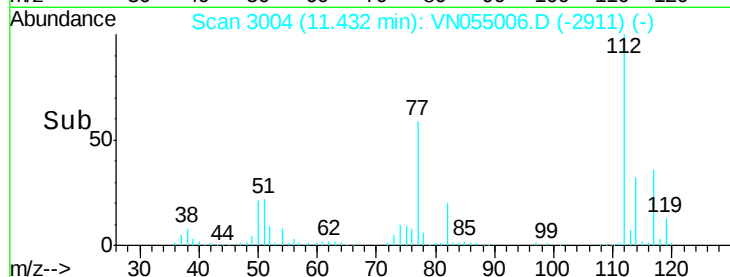
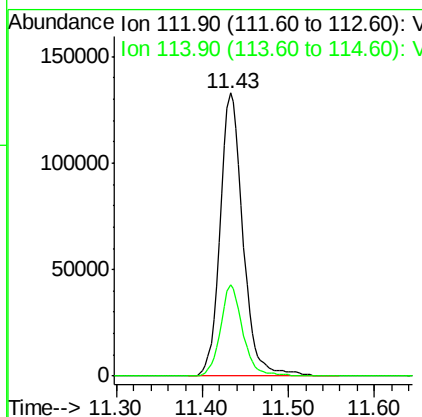
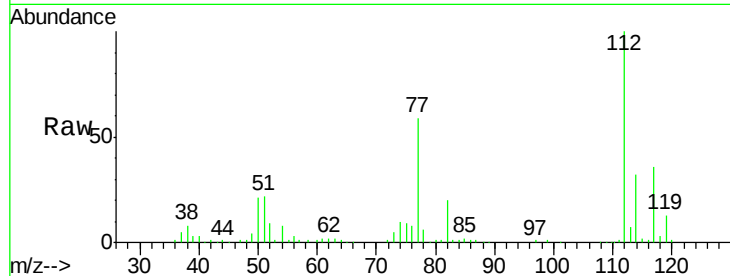
#65
Chlorobenzene
Concen: 20.932 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion:112 Resp: 245571
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

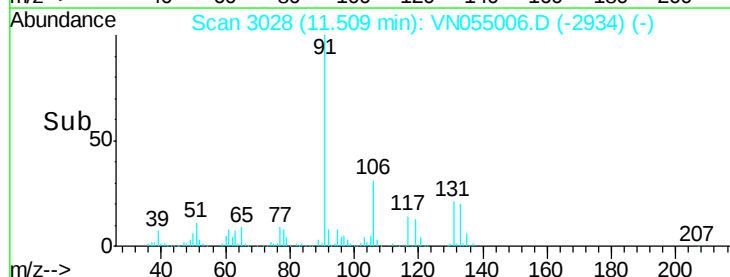
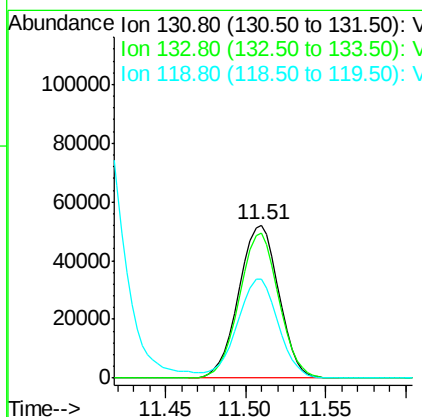
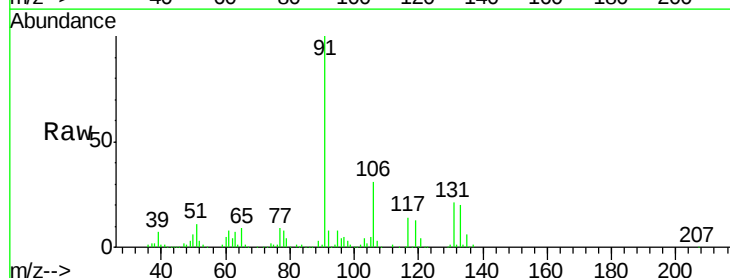
Manual Integrations
APPROVED

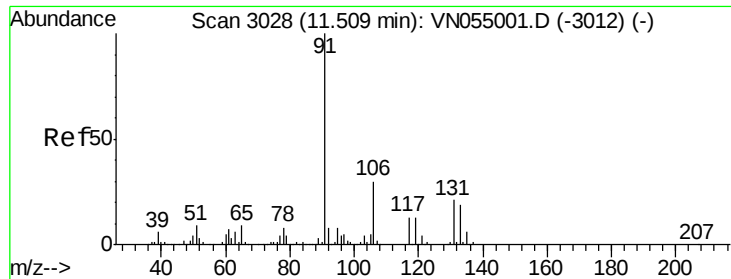
MMDadoda
4/16/2019 1:58:29 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.591 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion:131 Resp: 89026
Ion Ratio Lower Upper
131 100
133 93.5 47.8 143.3
119 66.4 33.6 100.6





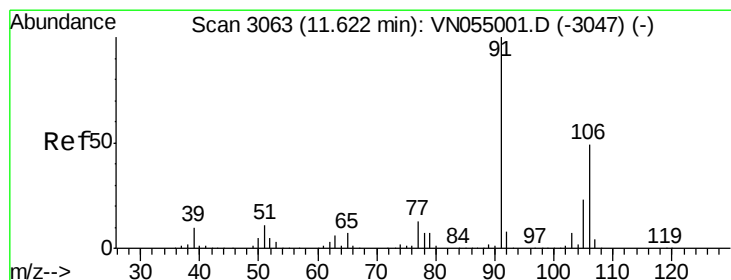
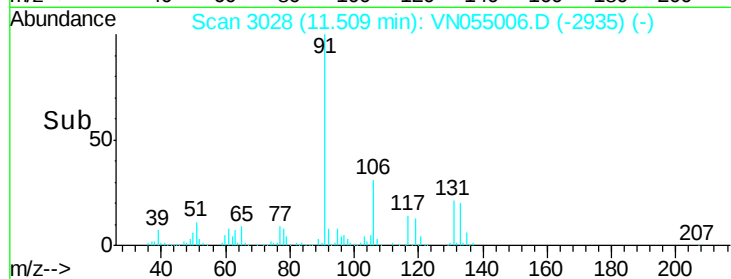
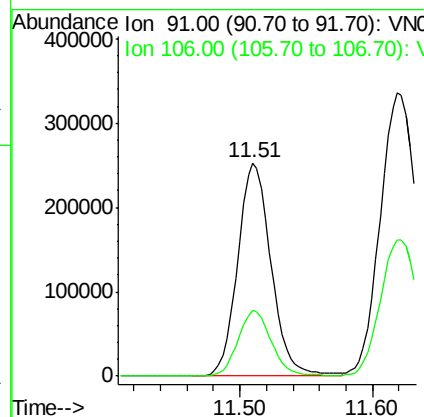
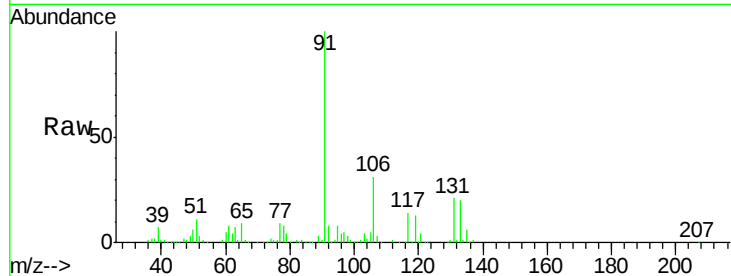
#67
Ethyl Benzene
Concen: 20.582 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	91	Resp	443541
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.3	36.5

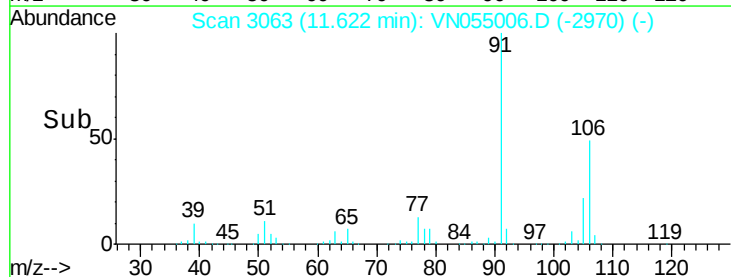
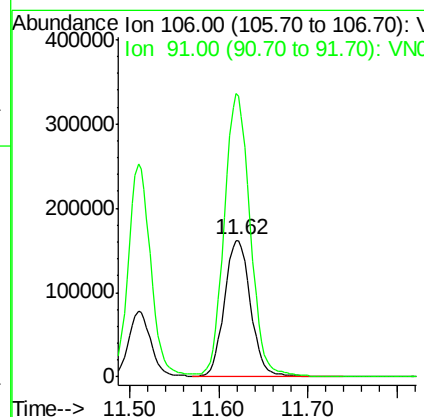
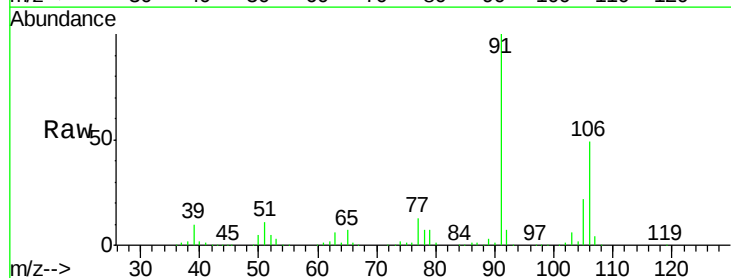
Manual Integrations
APPROVED

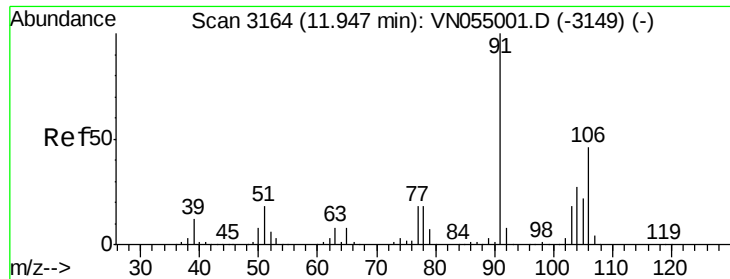
MMDadoda
4/16/2019 1:58:29 PM



#68
m/p-Xylenes
Concen: 41.986 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	106	Resp	331036
Ion	Ratio	Lower	Upper
106	100		
91	204.1	165.9	248.9





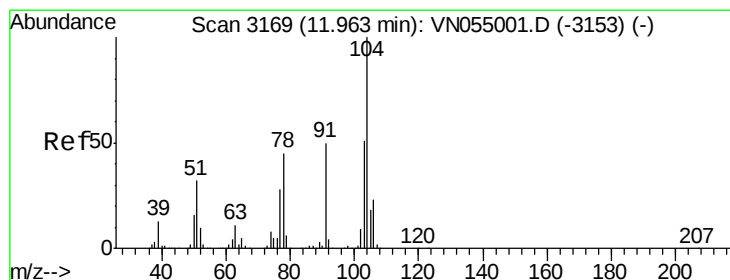
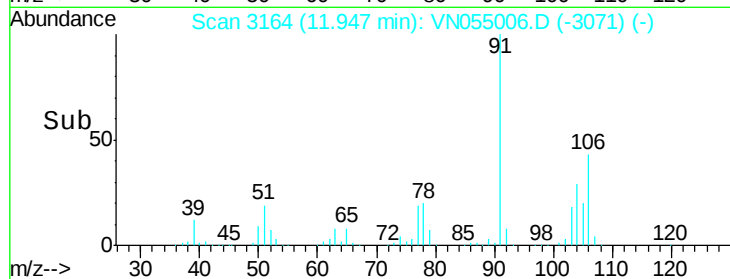
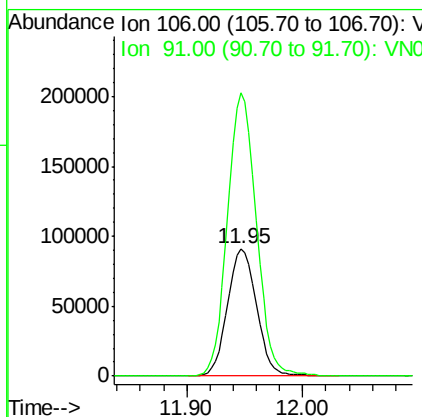
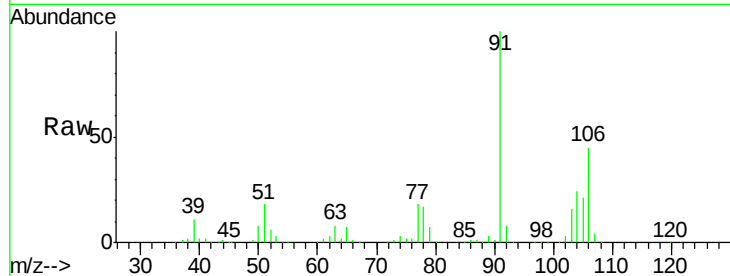
#69
o-Xylene
Concen: 20.227 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion:106 Resp: 157790
Ion Ratio Lower Upper
106 100
91 220.8 109.9 329.8

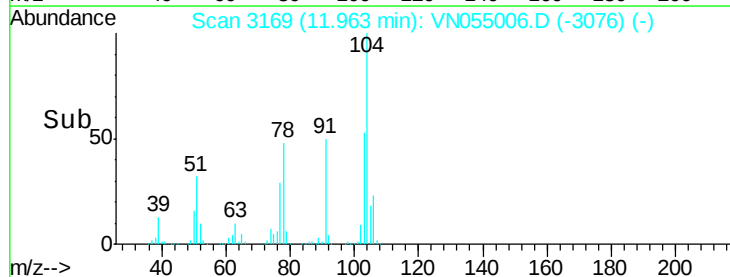
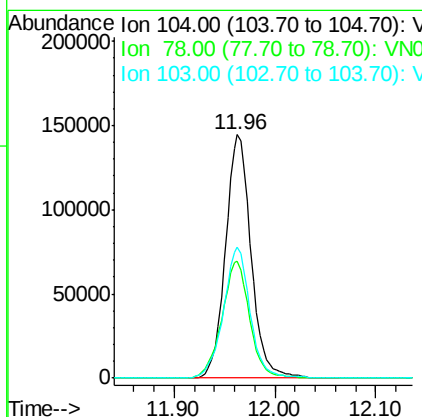
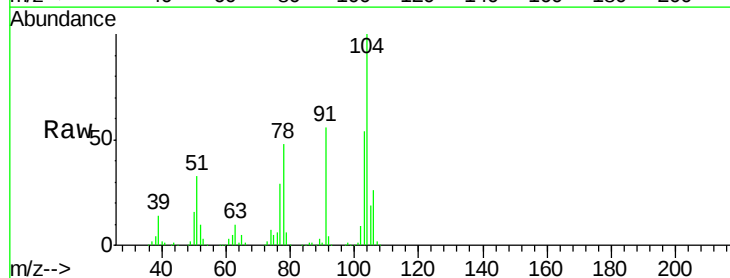
Manual Integrations
APPROVED

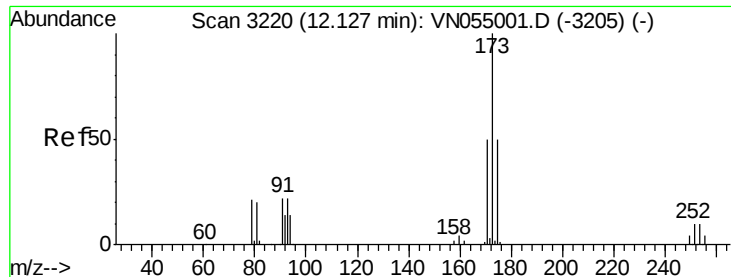
MMDadoda
4/16/2019 1:58:29 PM



#70
Styrene
Concen: 20.694 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion:104 Resp: 255972
Ion Ratio Lower Upper
104 100
78 51.9 40.3 60.5
103 56.1 44.3 66.5





#71

Bromoform

Concen: 19.534 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion:173 Resp: 52985

Ion Ratio Lower Upper

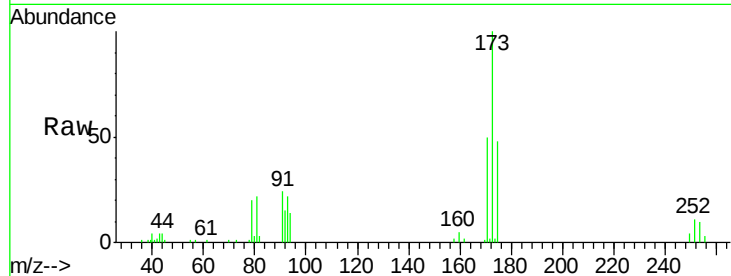
173 100

175 48.0 24.3 73.0

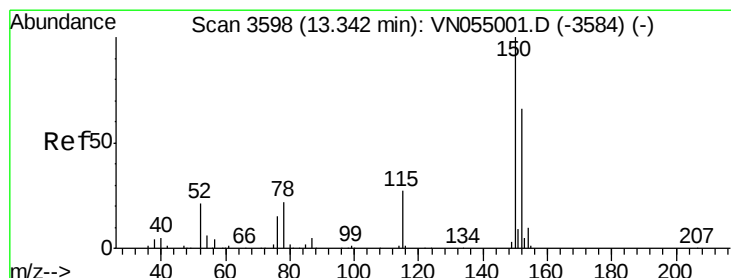
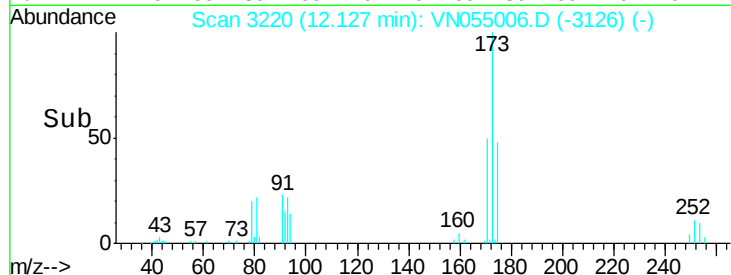
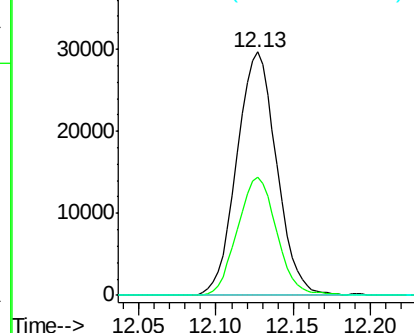
254 0.0 0.1 0.1#

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: VN055006.D

Acq: 12 Apr 2019 18:26

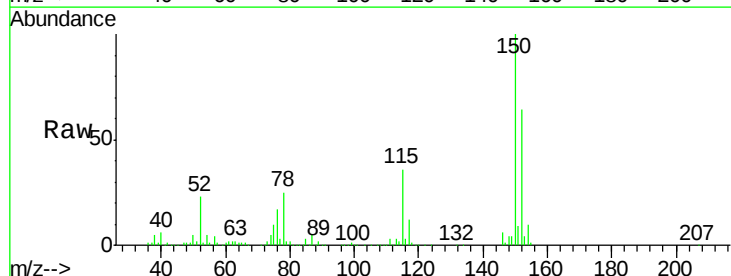
Tgt Ion:152 Resp: 250003

Ion Ratio Lower Upper

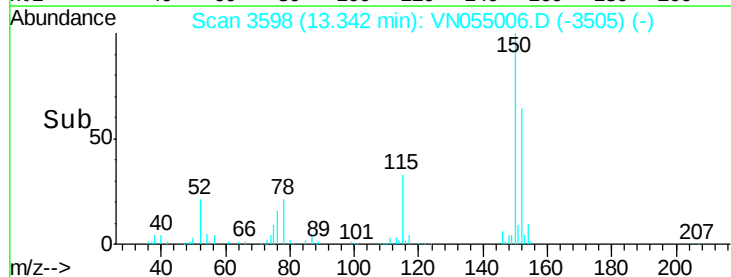
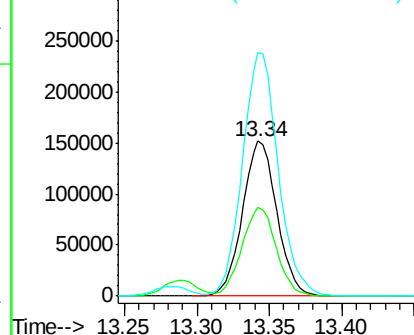
152 100

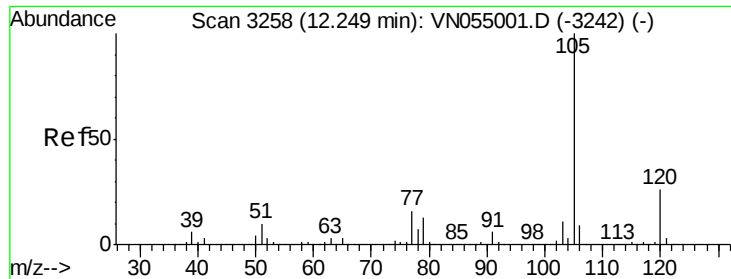
115 57.4 28.5 85.6

150 163.3 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.281 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 105 Resp: 431095

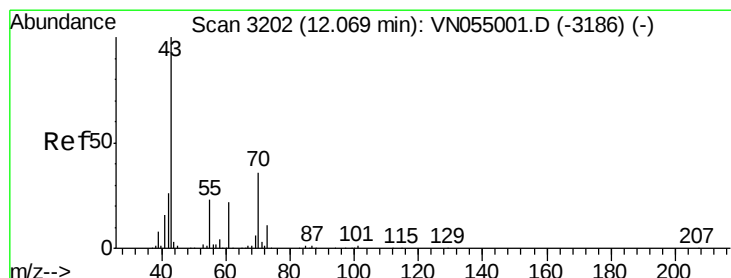
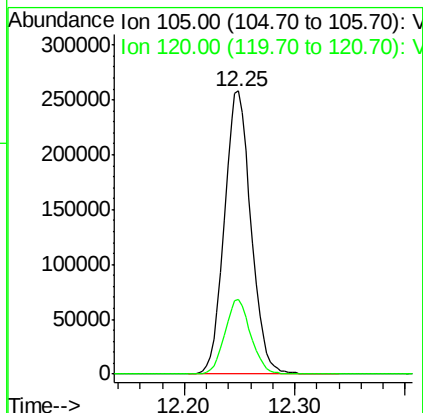
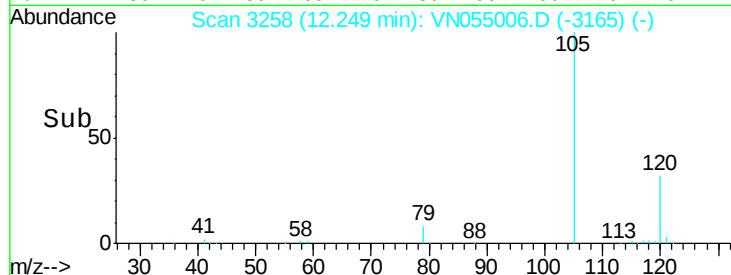
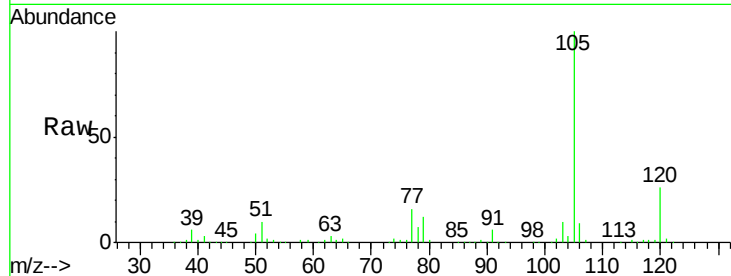
Ion Ratio Lower Upper

105 100

120 25.9 13.3 39.9

Manual Integrations
APPROVED

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4/16/2019 1:58:29 PM



#74

N-ethyl acetate

Concen: 19.727 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Tgt Ion: 43 Resp: 126388

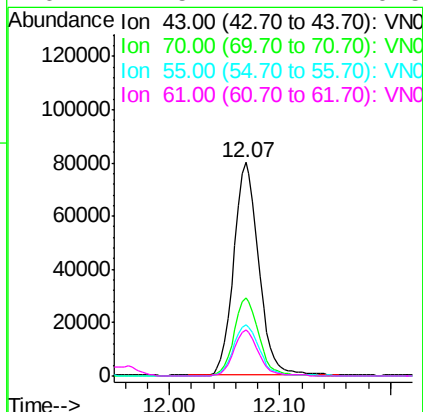
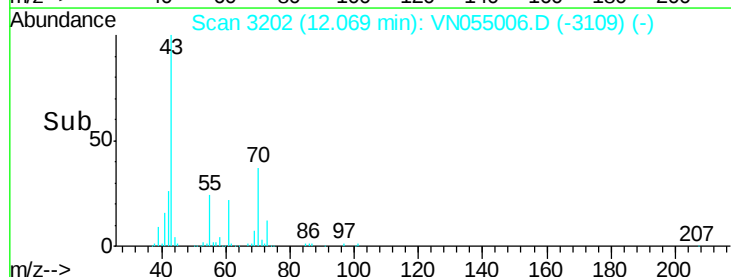
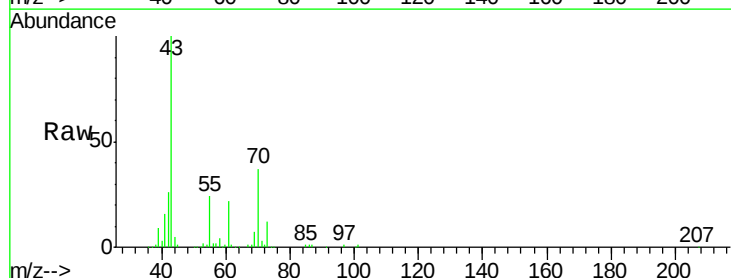
Ion Ratio Lower Upper

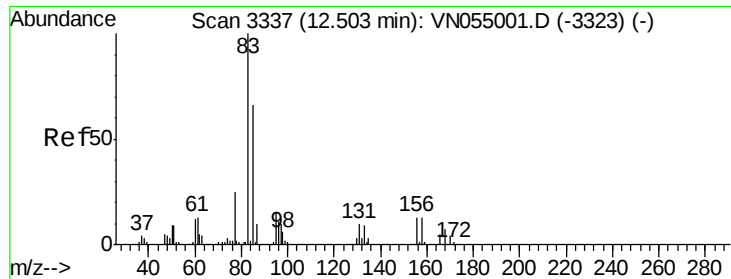
43 100

70 36.5 29.4 44.0

55 25.2 19.0 28.4

61 21.5 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.757 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 83 Resp: 108727
Ion Ratio Lower Upper

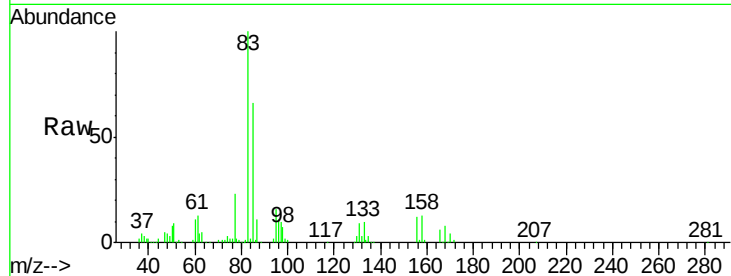
83 100

131 9.9 5.0 15.0

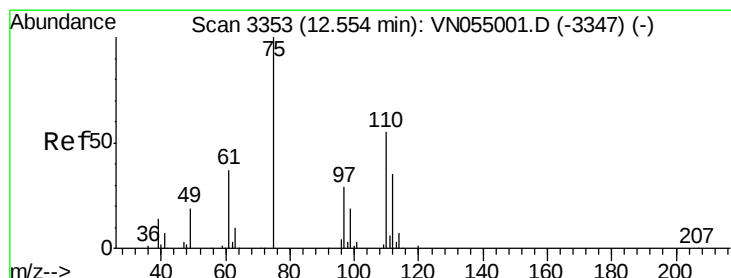
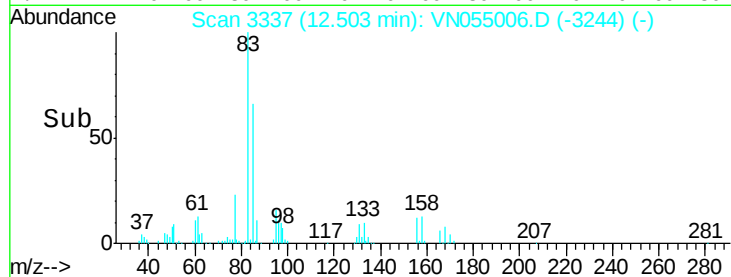
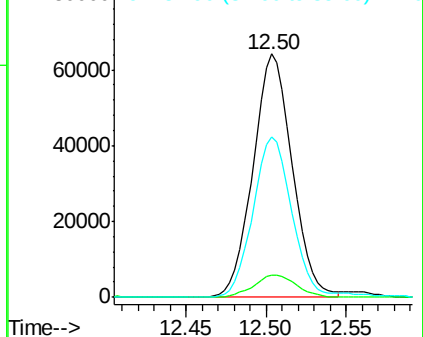
85 66.0 32.3 96.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 19.319 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

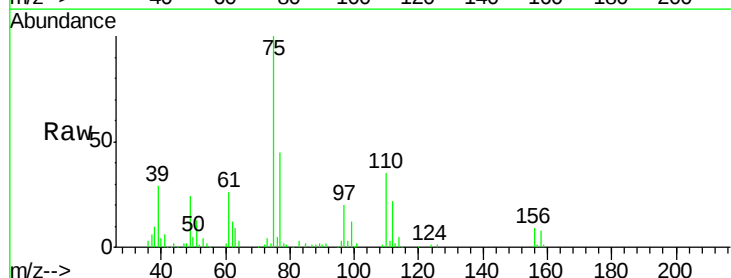
Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

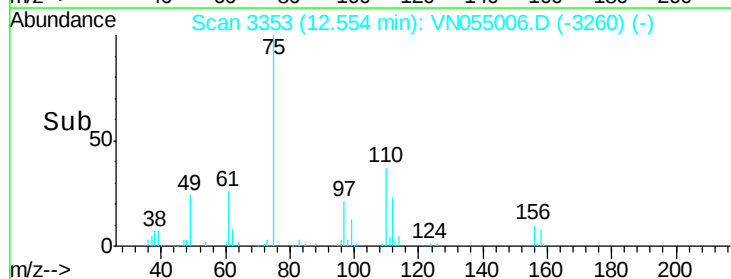
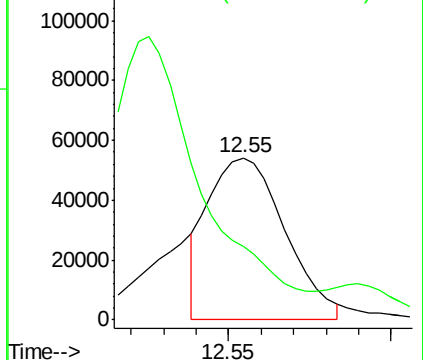
Tgt Ion: 75 Resp: 88857
Ion Ratio Lower Upper

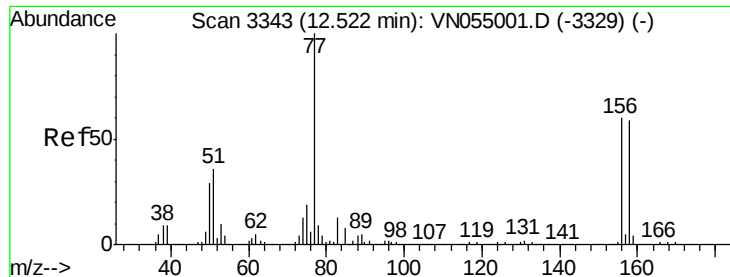
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 21.336 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

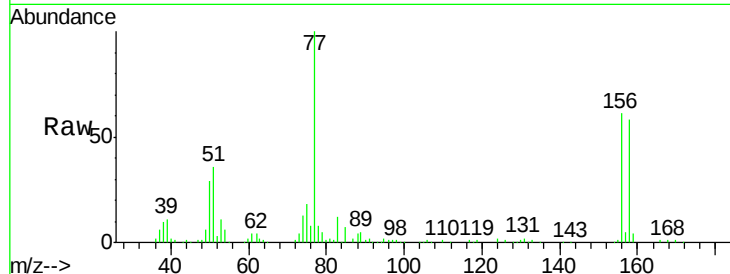
ClientSampled :

VN0413WBS01

Tot Ion:	156	Resp:	104225
Ion Ratio	Lower	Upper	
156	100		
77	189.7	97.2	291.5
158	94.8	48.6	145.9

Manual Integrations
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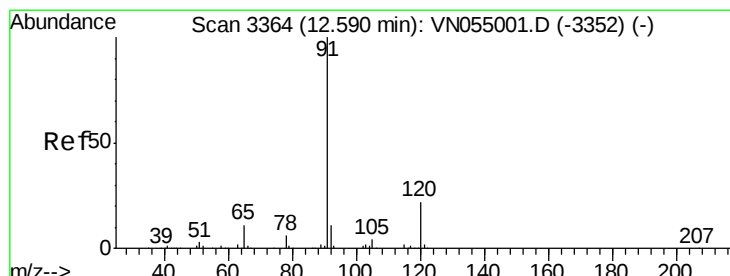
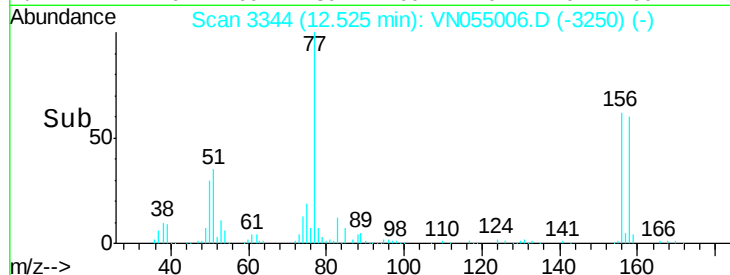
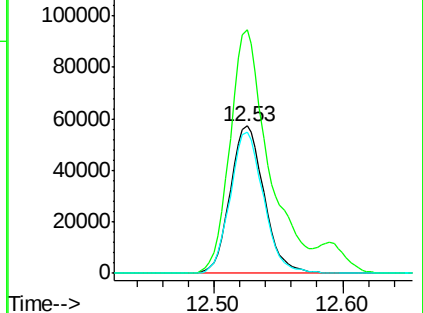
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.641 ug/l

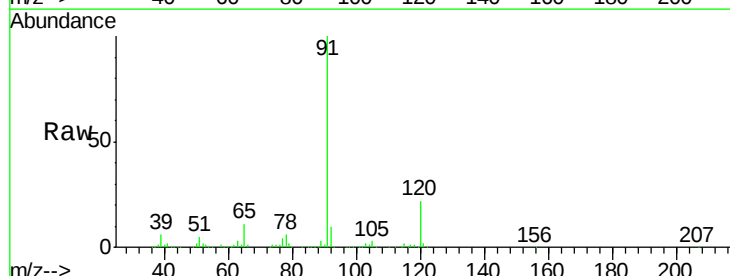
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055006.D

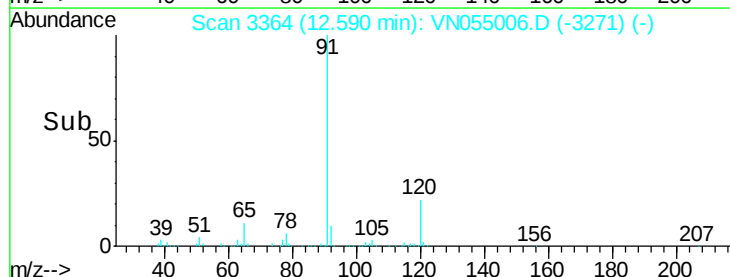
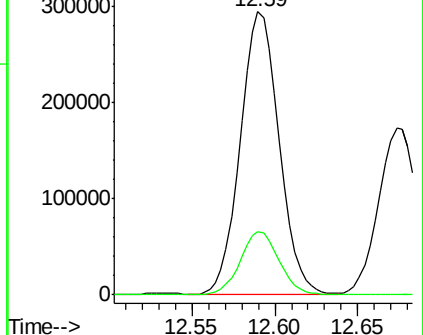
Acq: 12 Apr 2019 18:26

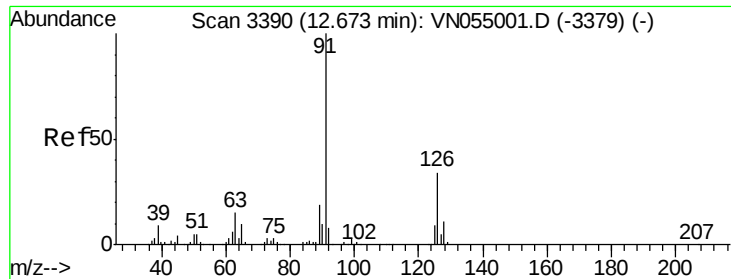
Tgt Ion:	91	Resp:	478012
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.132 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampleId :

VN0413WBS01

Tot Ion: 91 Resp: 288022

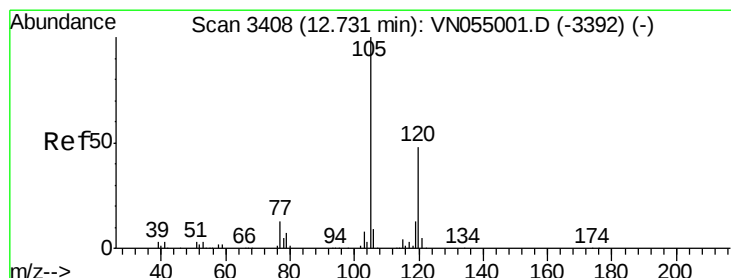
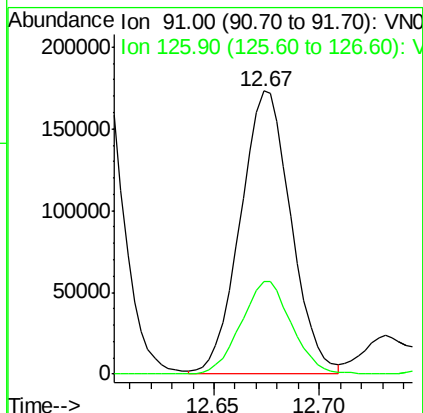
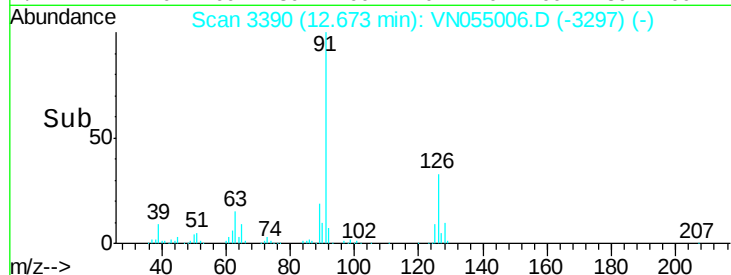
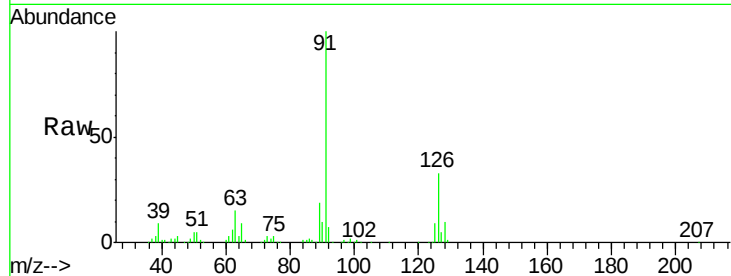
Ion Ratio Lower Upper

91 100

126 33.1 17.1 51.2

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.121 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055006.D

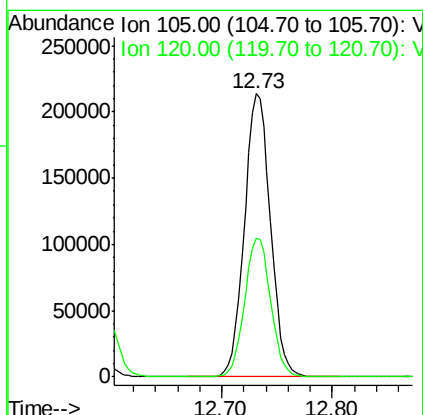
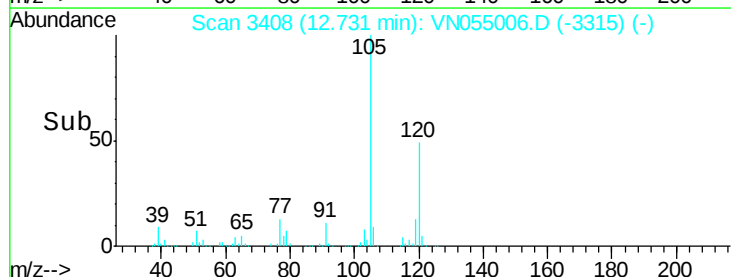
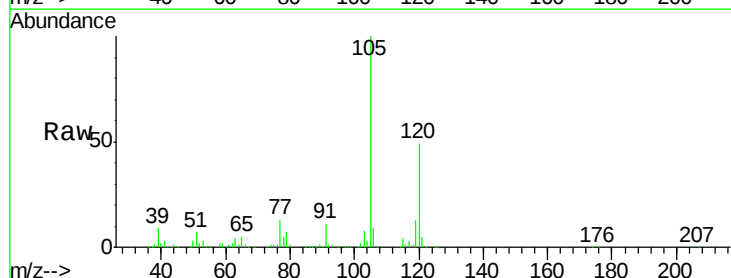
Acq: 12 Apr 2019 18:26

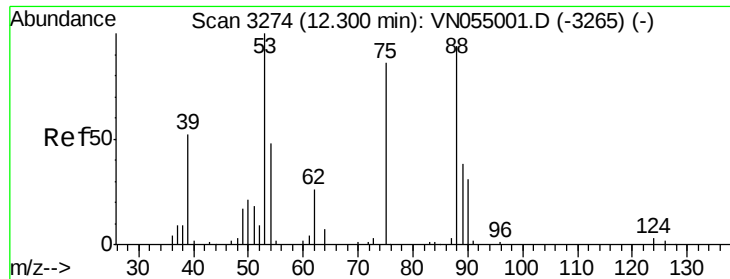
Tgt Ion: 105 Resp: 348165

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.804 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

ClientSampled :

VN0413WBS01

Tot Ion: 75 Resp: 22069

Ion Ratio Lower Upper

75 100

53 125.4 96.3 144.5

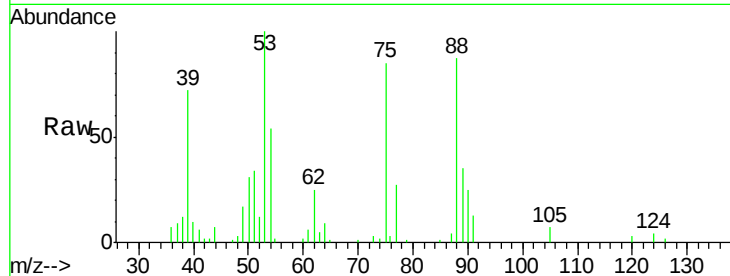
89 43.8 38.6 57.8

Manual Integrations

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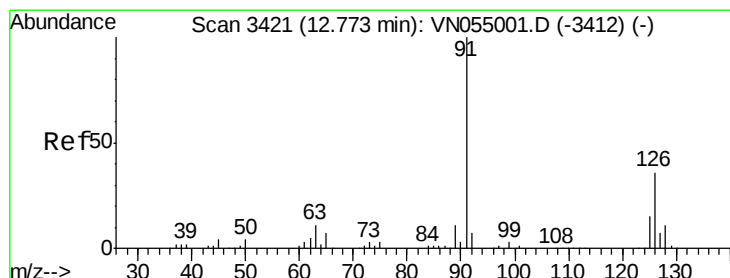
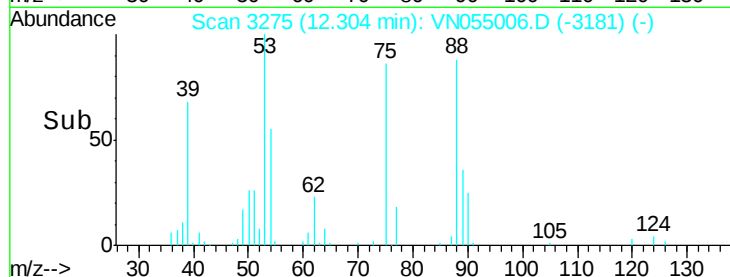
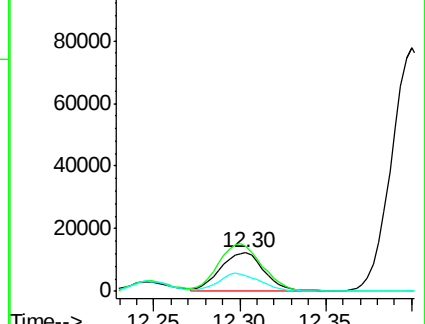
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.900 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055006.D

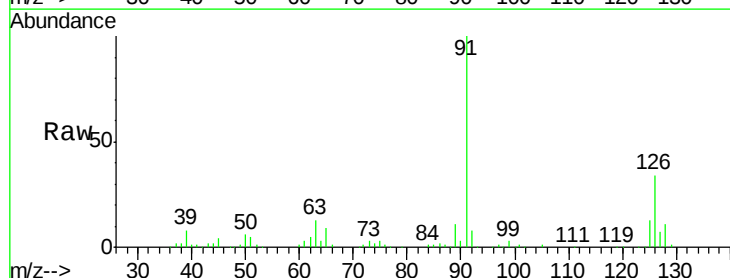
Acq: 12 Apr 2019 18:26

Tgt Ion: 91 Resp: 275341

Ion Ratio Lower Upper

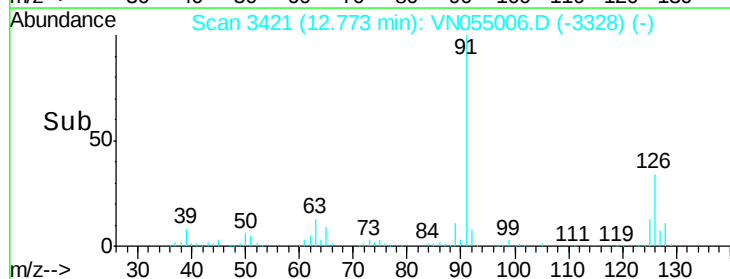
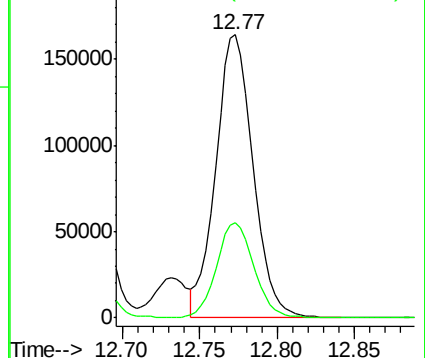
91 100

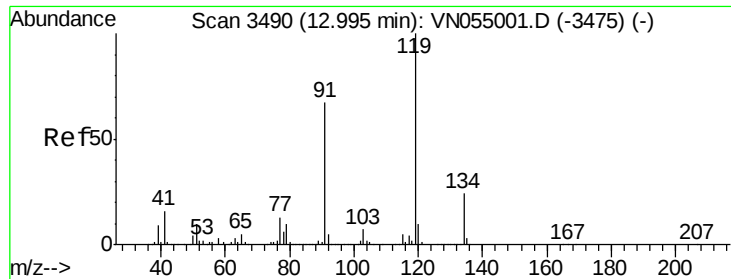
126 33.8 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 20.197 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

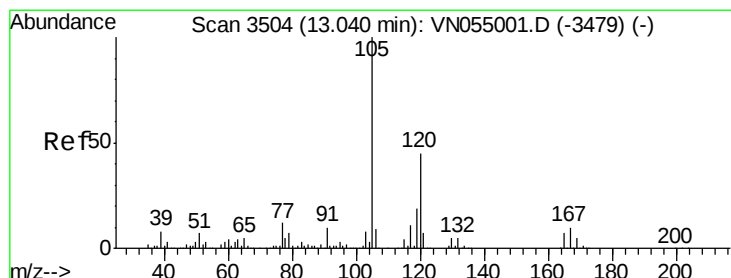
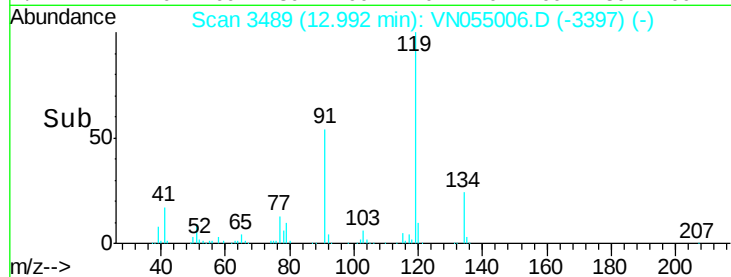
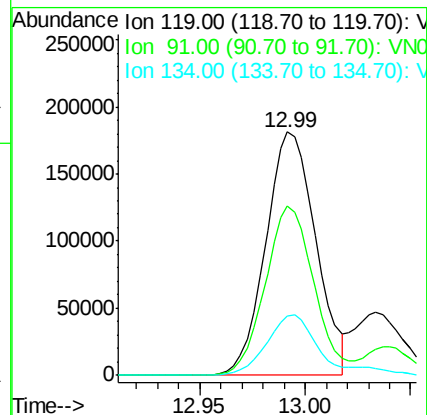
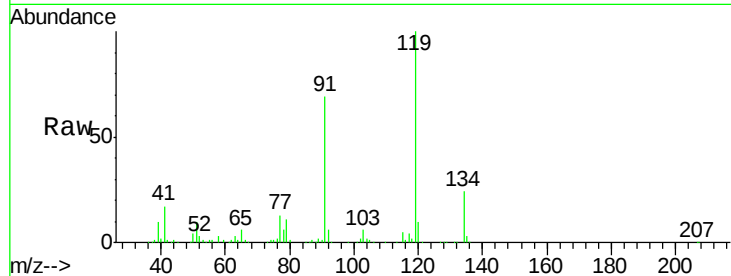
ClientSampleId :

VN0413WBS01

Tot Ion:	119	Resp:	299402
Ion Ratio	Lower	Upper	
119	100		
91	67.4	33.3	99.8
134	26.8	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.340 ug/l

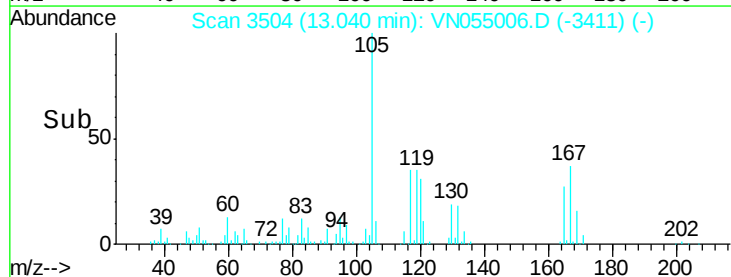
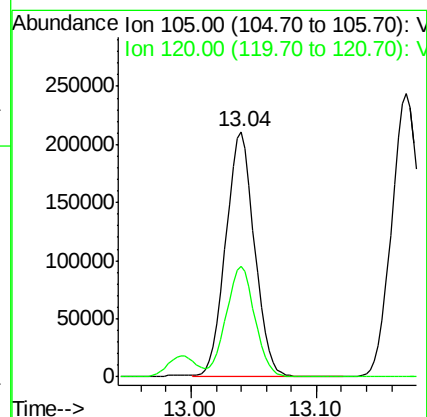
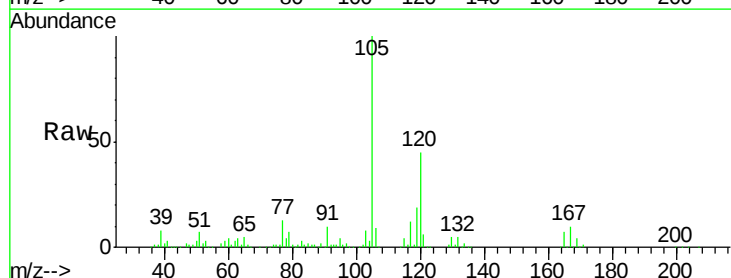
RT: 13.04 min Scan# 3504

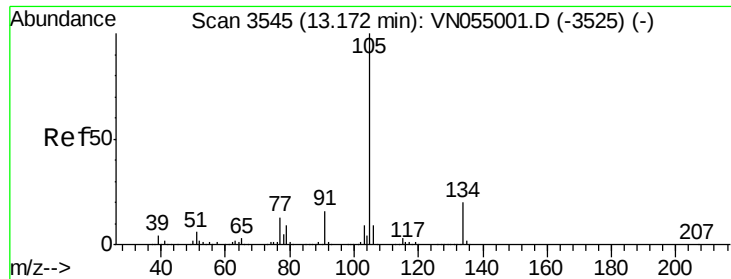
Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Tgt Ion:	105	Resp:	337482
Ion Ratio	Lower	Upper	
105	100		
120	45.2	22.4	67.3





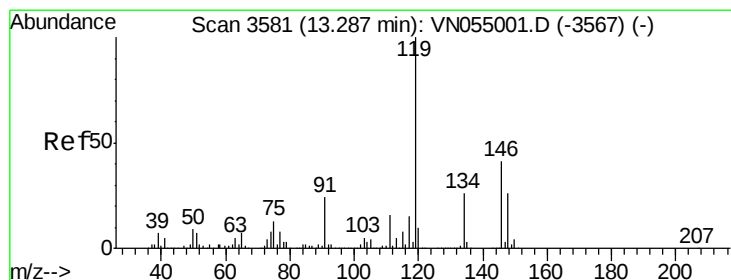
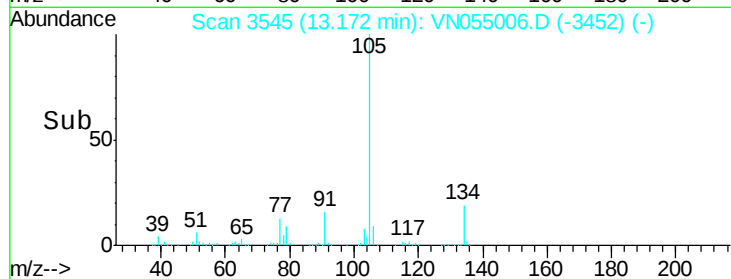
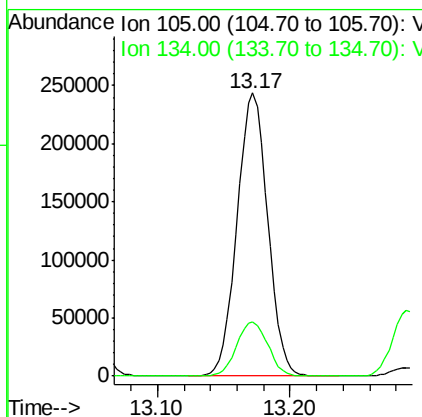
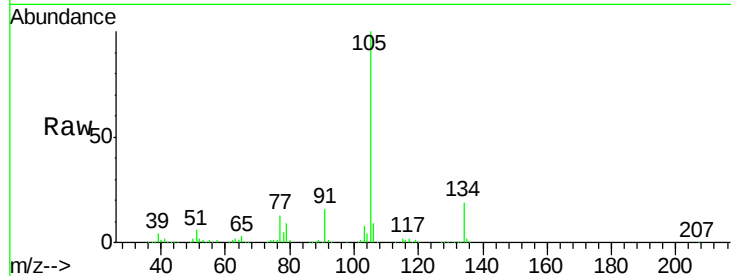
#85
 sec-Butylbenzene
 Concen: 20.657 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	390971		
134	19.6	9.8	29.3	

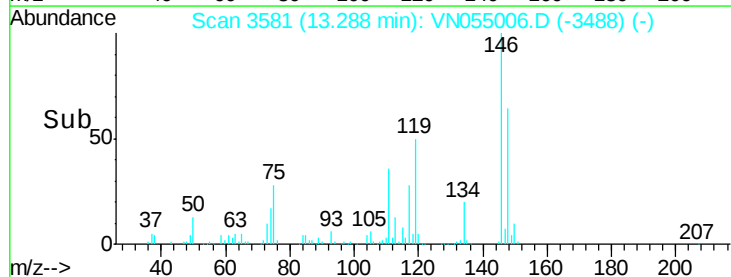
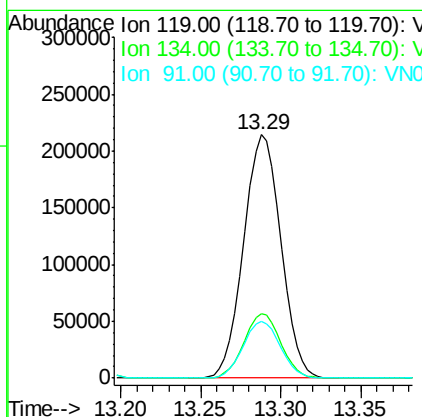
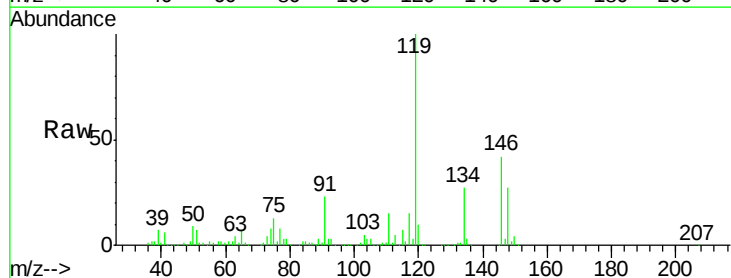
Manual Integrations
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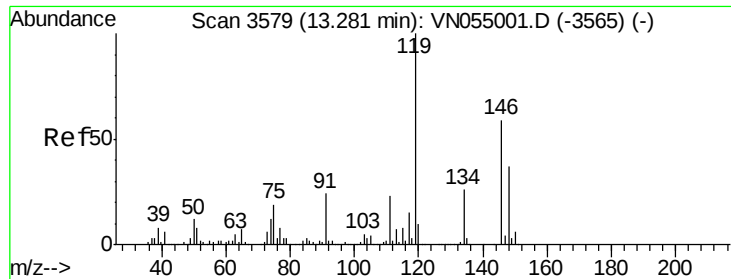
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 4/16/2019 1:58:29 PM



#86
 p-Isopropyltoluene
 Concen: 20.601 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	339162		
134	26.0	13.2	39.5	
91	23.3	11.7	35.1	





#87

1,3-Dichlorobenzene

Concen: 19.847 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

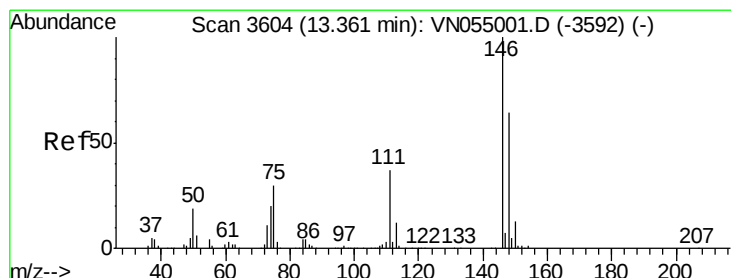
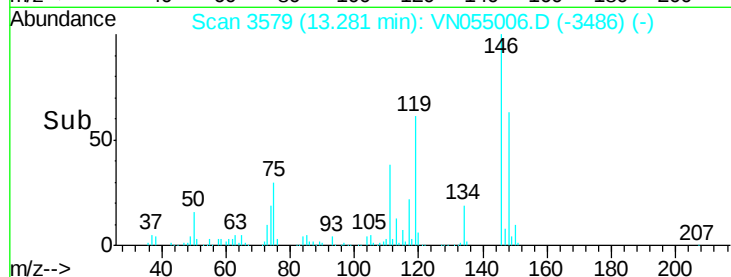
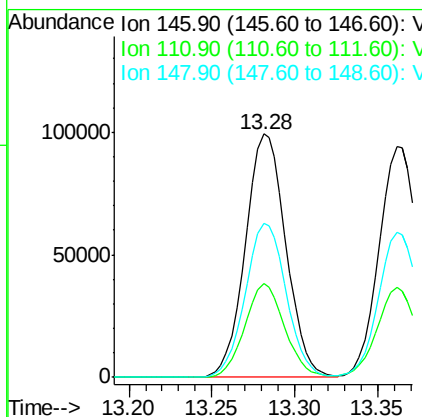
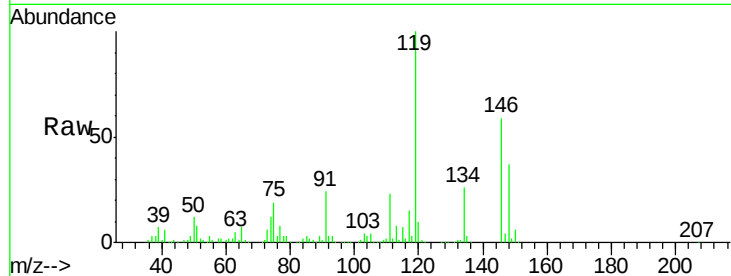
ClientSampled :

VN0413WBS01

Tot Ion:	146	Resp:	168536
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.5	58.5
148	64.0	31.6	94.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.541 ug/l

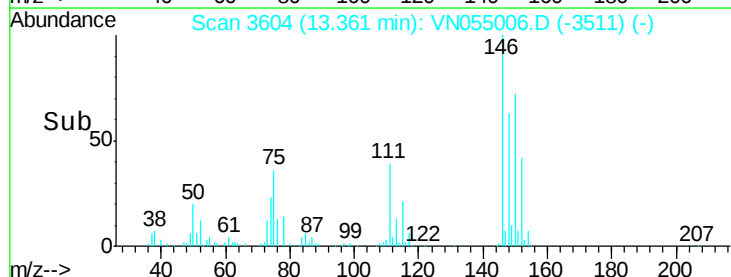
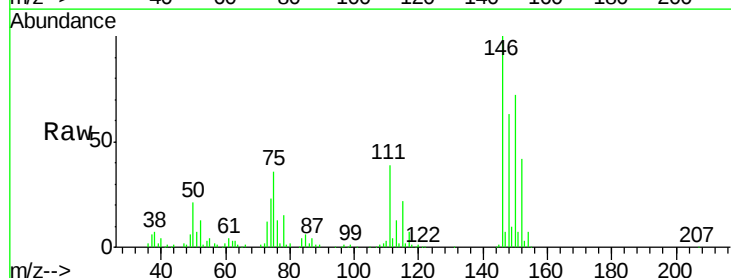
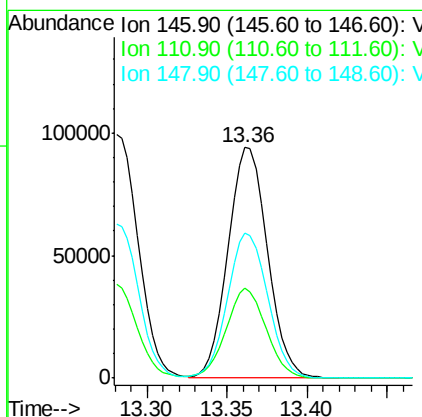
RT: 13.36 min Scan# 3604

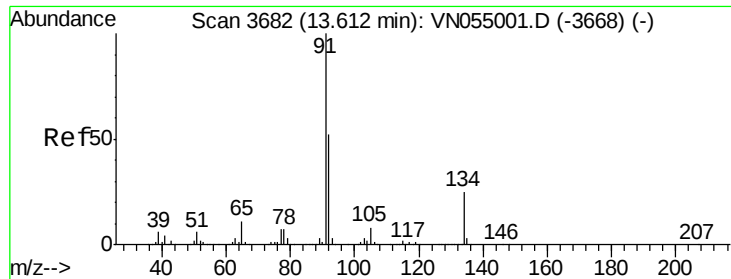
Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Tgt Ion:	146	Resp:	158702
Ion Ratio	Lower	Upper	
146	100		
111	39.4	18.8	56.4
148	64.0	32.4	97.2





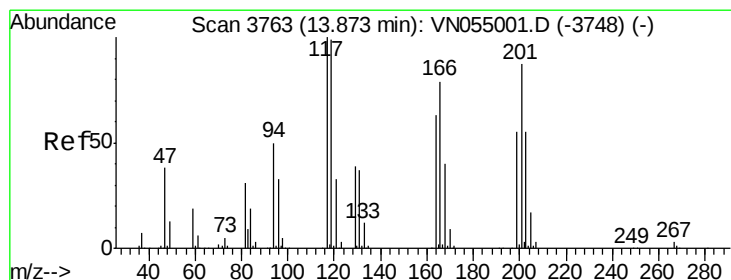
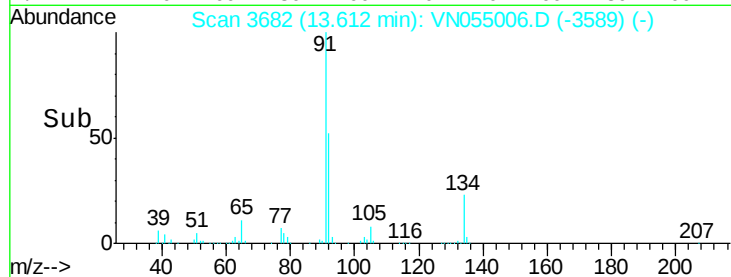
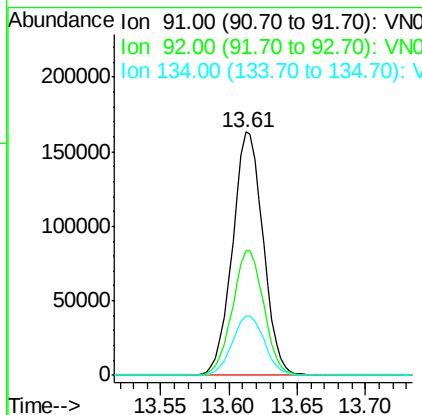
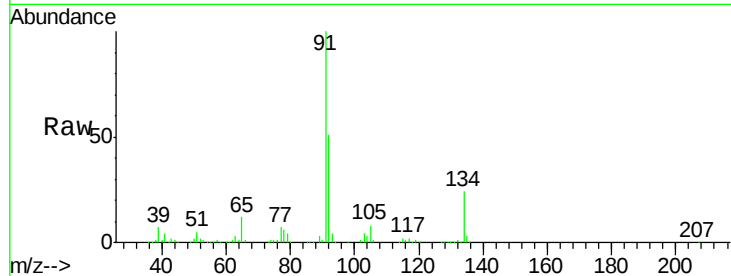
#89
n-Butylbenzene
Concen: 19.694 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Instrument :
MSVOA_N
ClientSampleId :
VN0413WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	25.9	77.7
134	25.5	12.8	38.3

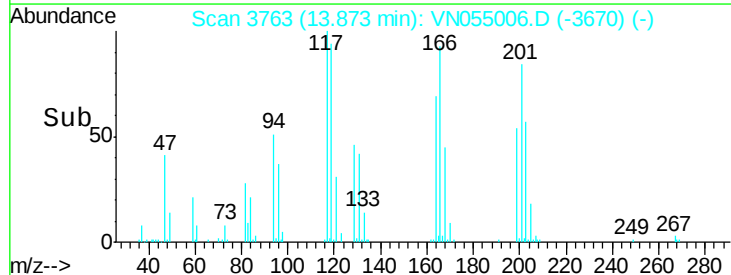
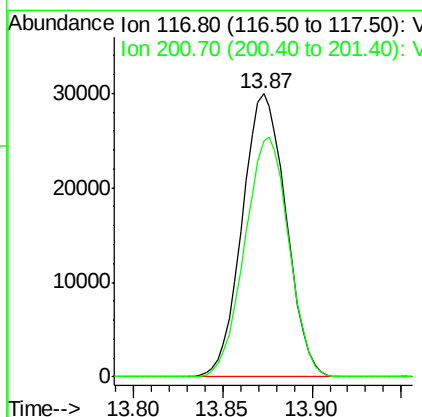
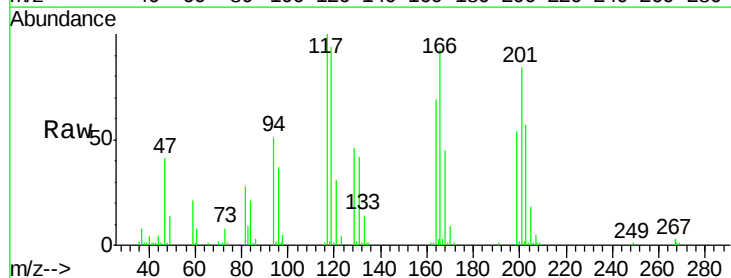
Manual Integrations
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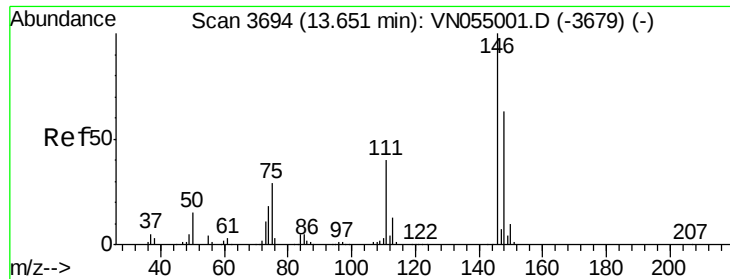
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#90
Hexachloroethane
Concen: 18.903 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055006.D
Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	43.4	130.2





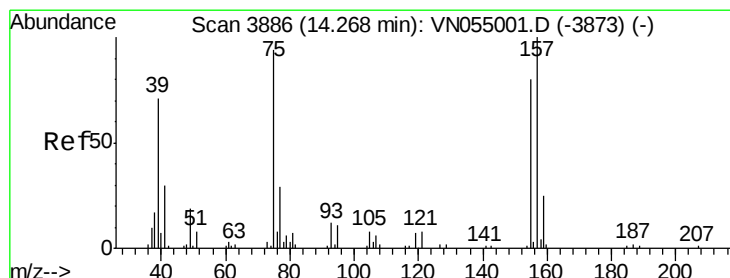
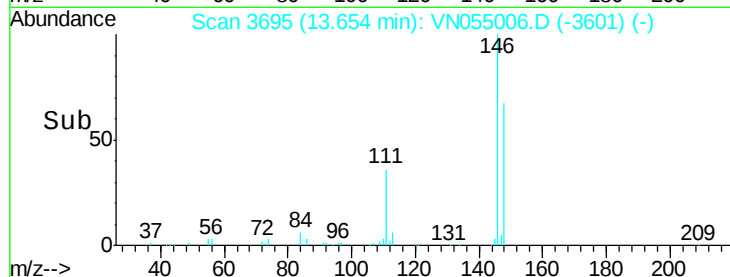
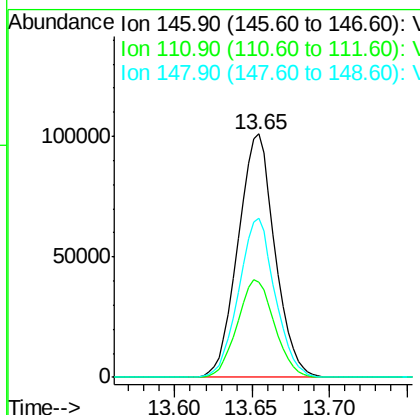
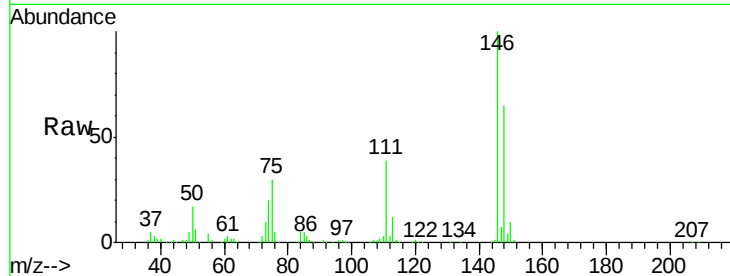
#91
 1,2-Dichlorobenzene
 Concen: 20.271 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Instrument :
 MSVOA_N
 ClientSampled :
 VN0413WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	60.9
148	64.4	32.2	96.6

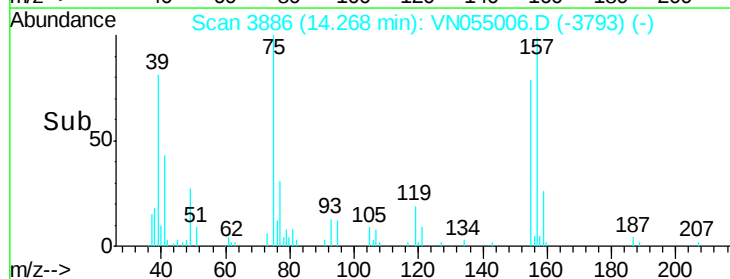
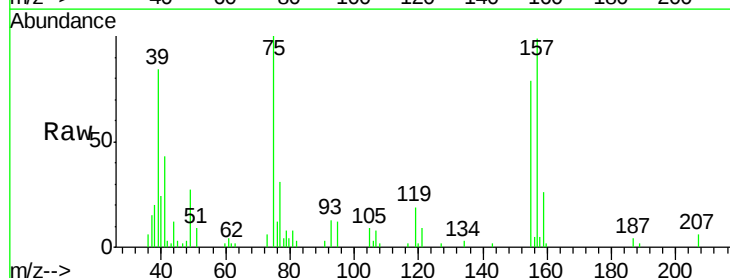
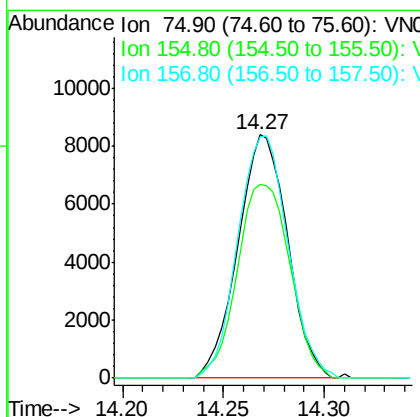
Manual Integrations
 APPROVED

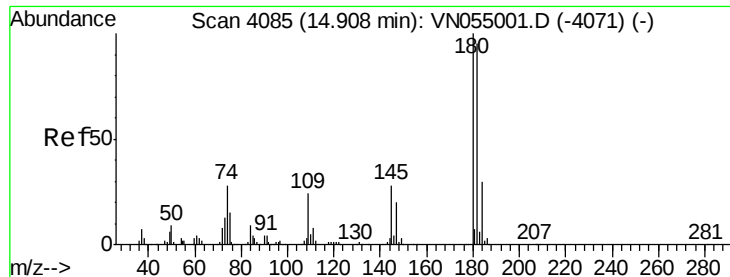
MMDadoda
 4/16/2019 1:58:29 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.191 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	42.0	126.0
157	100.6	52.1	156.4





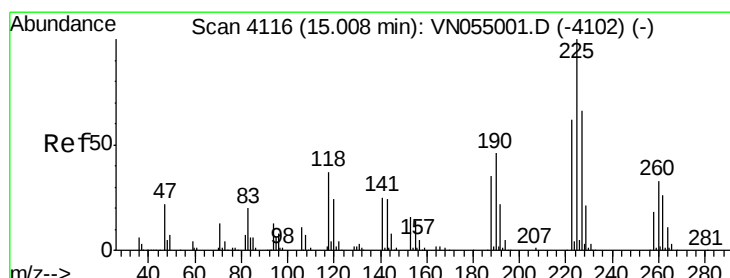
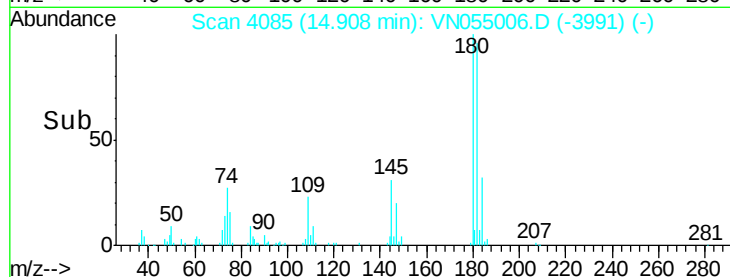
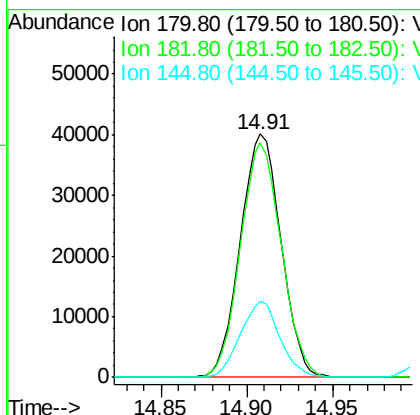
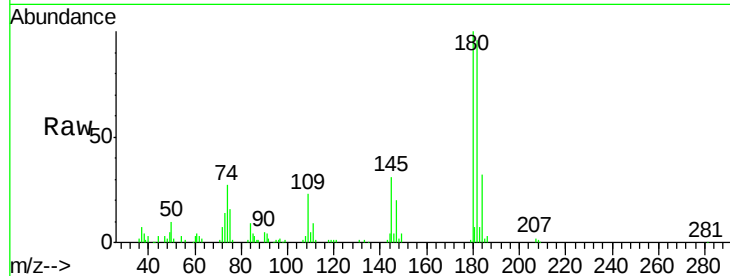
#93
 1,2,4-Trichlorobenzene
 Concen: 18.559 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0413WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.5	142.6
145	30.1	14.2	42.8

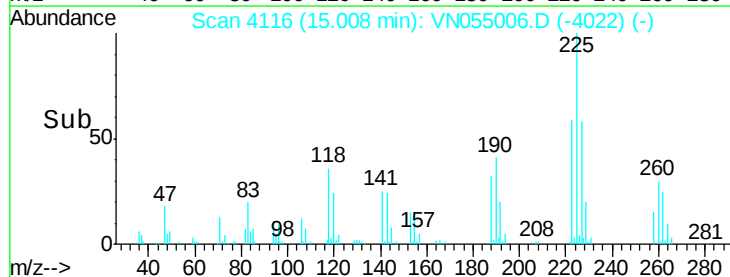
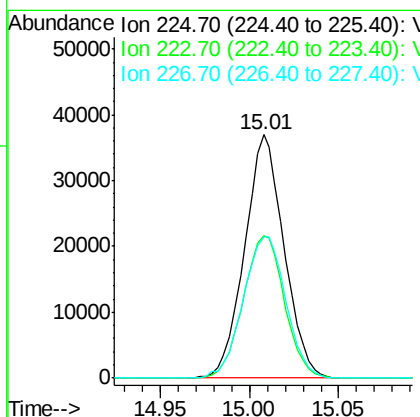
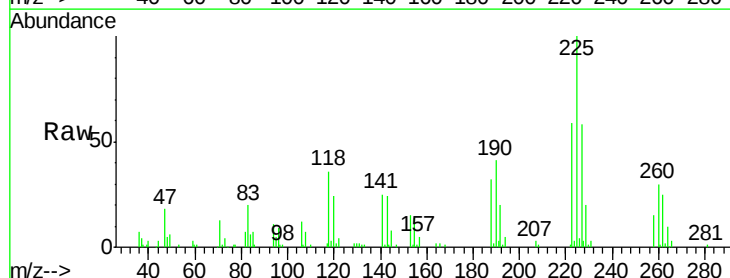
Manual Integrations
 APPROVED

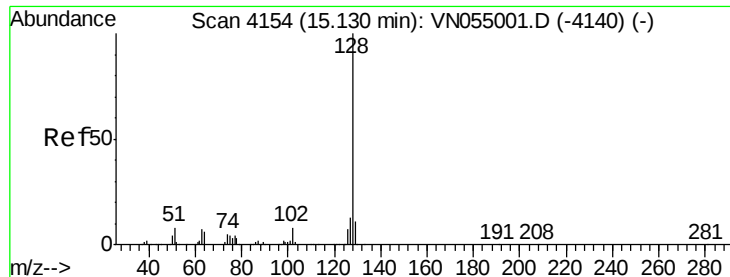
MMDadoda
 4/16/2019 1:58:29 PM



#94
 Hexachlorobutadiene
 Concen: 21.906 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055006.D
 Acq: 12 Apr 2019 18:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.0
227	62.7	32.6	97.7





#95

Naphthalene

Concen: 18.579 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Instrument :

MSVOA_N

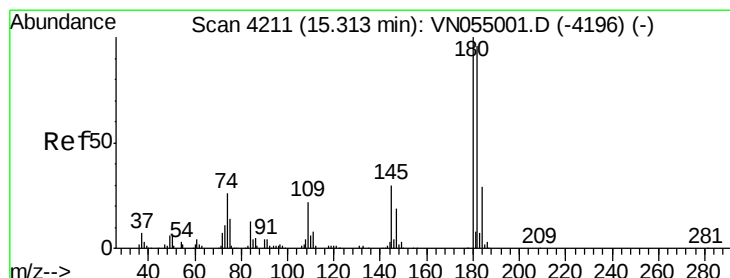
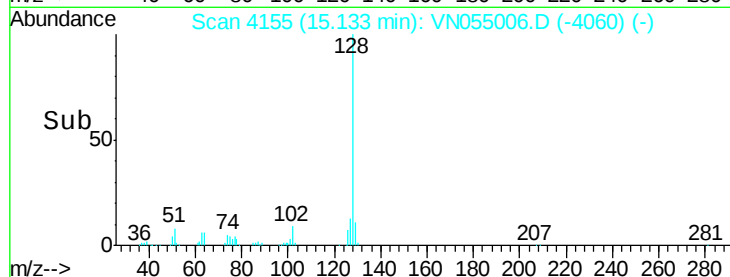
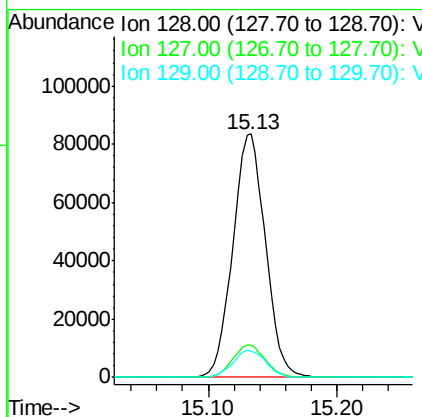
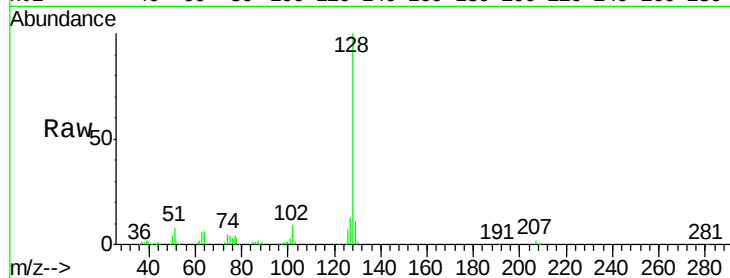
ClientSampleId :

VN0413WBS01

Tot Ion:	128	Resp:	146540
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	11.1	8.8	13.2

Manual Integrations
APPROVED

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4/16/2019 1:58:29 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.107 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055006.D

Acq: 12 Apr 2019 18:26

Tgt Ion:	180	Resp:	71050
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.0	144.0
145	31.0	15.3	45.9

