

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055252.D
 Acq On : 25 Apr 2019 18:50
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:52:46 AM

Quant Time: Apr 26 04:56:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 04:33:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	68702	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	376930	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	330045	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	164280	31.35	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.50%
60) 4-Bromofluorobenzene	12.40	95	154988	30.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.87%
63) Toluene-d8	10.09	98	472397	30.12	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	182876	46.376 ug/l	97
3) Chloromethane	2.06	50	257482	47.726 ug/l	94
4) Vinyl Chloride	2.19	62	210925	45.560 ug/l	99
5) Bromomethane	2.55	94	112767	42.195 ug/l	96
6) Chloroethane	2.69	64	113965	44.035 ug/l	97
7) Trichlorofluoromethane	3.01	101	310495	51.391 ug/l	94
8) Diethyl Ether	3.41	74	126797	62.195 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	198154	57.970 ug/l	98
10) 1,1-Dichloroethene	3.74	96	184849	58.299 ug/l	99
11) Methyl Iodide	3.95	142	299488	61.763 ug/l	98
12) Methyl Acetate	4.33	43	273402	66.497 ug/l	93
13) Acrolein	3.61	56	56198	181.506 ug/l	96
14) Acrylonitrile	4.99	53	487560	298.243 ug/l	100
15) Acetone	3.82	58	114137	292.685 ug/l	97
16) Carbon Disulfide	4.05	76	490794	48.022 ug/l	98
17) Allyl chloride	4.32	41	406918	53.906 ug/l	99
18) Methylene Chloride	4.55	84	226432	49.734 ug/l	94
19) trans-1,2-Dichloroethene	5.04	96	199177	49.894 ug/l	94
20) Diisopropyl ether	5.95	45	827582	53.197 ug/l	97
21) 1,1-Dichloroethane	5.85	63	421581	51.291 ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	236940	51.336 ug/l	96
23) tert-Butyl Alcohol	4.80	59	93554	341.685 ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	610522	57.380 ug/l	100
25) Chloroform	7.37	83	397405	50.726 ug/l	97
26) Cyclohexane	7.65	56	366515	48.963 ug/l	# 98
29) 1,1-Dichloropropene	7.79	75	297465	50.269 ug/l	99
30) 2-Butanone	6.84	43	608068	295.130 ug/l	100
31) 2,2-Dichloropropane	6.83	77	279946	50.758 ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	327822	51.636 ug/l	99
33) Carbon Tetrachloride	7.77	117	272718	50.120 ug/l	99
34) Benzene	8.04	78	880142	49.917 ug/l	# 91
35) Methacrylonitrile	7.17	41	141042	56.819 ug/l	97
36) 1,2-Dichloroethane	8.13	62	314648	51.728 ug/l	100
37) Trichloroethene	8.84	130	222167	49.724 ug/l	95
38) Methylcyclohexane	9.08	83	316086	46.910 ug/l	97
39) 1,2-Dichloropropane	9.12	63	254783	51.794 ug/l	100
40) Dibromomethane	9.21	93	144887	51.816 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	298708	52.091	ug/l	97
42) Vinyl Acetate	5.90	43	2911805	282.083	ug/l	100
43) Ethyl Acetate	6.93	43	244275	56.638	ug/l	95
44) Isopropyl Acetate	8.17	43	450387	60.720	ug/l #	77
45) 1,4-Dioxane	9.20	88	46478	1159.664	ug/l	95
46) Methyl methacrylate	9.20	41	218341	58.264	ug/l	99
47) n-amyl Acetate	12.07	43	338009	63.580	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	301380	55.916	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	345673	52.909	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	201863	53.012	ug/l	97
51) Ethyl methacrylate	10.43	69	272890	58.475	ug/l	97
52) 1,3-Dichloropropane	10.71	76	353768	53.148	ug/l	99
53) Dibromochloromethane	10.90	129	207876	53.004	ug/l	99
54) 1,2-Dibromoethane	11.01	107	197273	54.754	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	424757	235.896	ug/l	99
56) Bromoform	12.13	173	136752	54.464	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	1296467	313.380	ug/l	100
59) 2-Hexanone	10.75	43	818956	313.689	ug/l	99
61) Tetrachloroethene	10.63	164	209606	48.378	ug/l	97
62) Toluene	10.16	91	924076	50.267	ug/l	97
64) Chlorobenzene	11.43	112	556486	50.434	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	204888	51.485	ug/l	99
66) Ethyl Benzene	11.51	91	986757	50.235	ug/l	99
67) m/p-Xylenes	11.62	106	737615	101.224	ug/l	99
68) o-Xylene	11.95	106	366848	50.568	ug/l	96
69) Styrene	11.96	104	578380	51.741	ug/l	99
70) Isopropylbenzene	12.25	105	967669	50.245	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	263148	57.429	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	216717m	57.350	ug/l	
73) Bromobenzene	12.53	156	230939	50.800	ug/l	100
74) n-propylbenzene	12.59	91	1093232	50.958	ug/l	100
75) 2-Chlorotoluene	12.67	91	659537	50.716	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	796347	51.278	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	61219	62.742	ug/l	97
78) 4-Chlorotoluene	12.77	91	641378	51.704	ug/l	99
79) tert-butylbenzene	12.99	119	683665	50.754	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	772004	50.393	ug/l	99
81) sec-Butylbenzene	13.17	105	908780	50.736	ug/l	99
82) p-Isopropyltoluene	13.29	119	759997	50.567	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	386671	51.326	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	366811	51.220	ug/l	99
85) n-Butylbenzene	13.61	91	601194	50.795	ug/l	99
86) Hexachloroethane	13.87	117	127282	52.088	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	384408	51.804	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	38446	62.398	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	152993	47.227	ug/l	96
90) Hexachlorobutadiene	15.01	225	127213	52.895	ug/l	99
91) Naphthalene	15.13	128	348476	50.407	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	163508	50.139	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

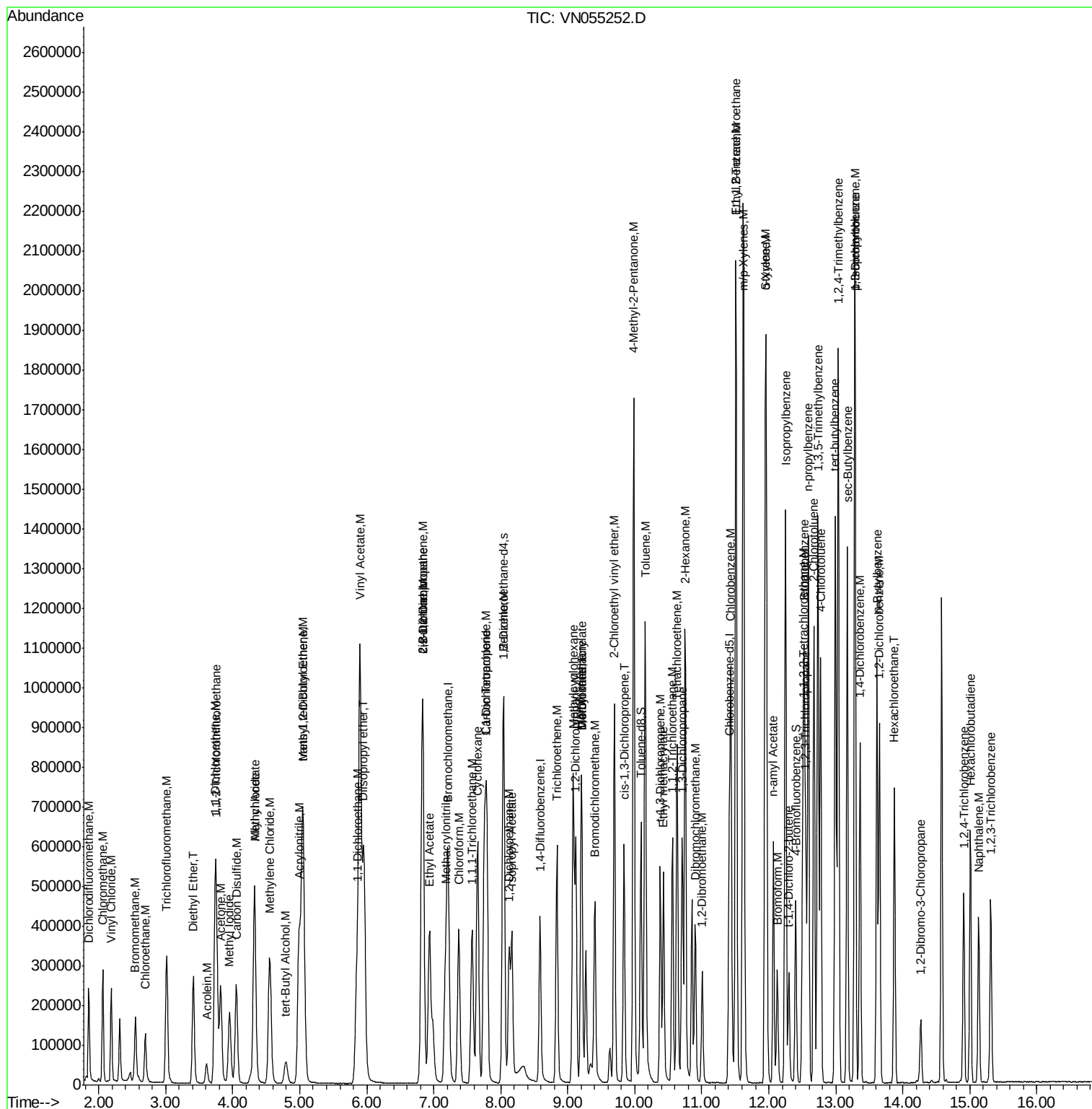
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Data File : VN055252.D
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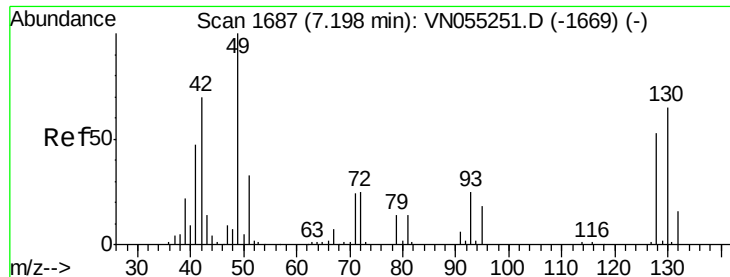
Instrument :
MSVOA_N
ClientSampleId :
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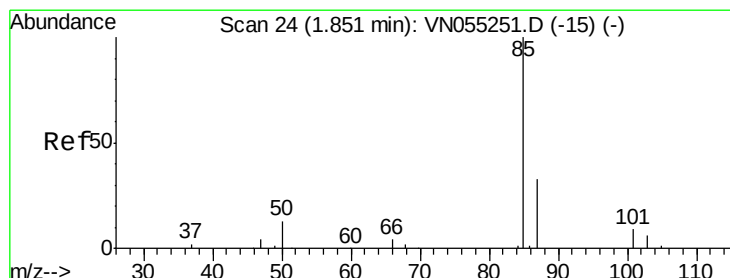
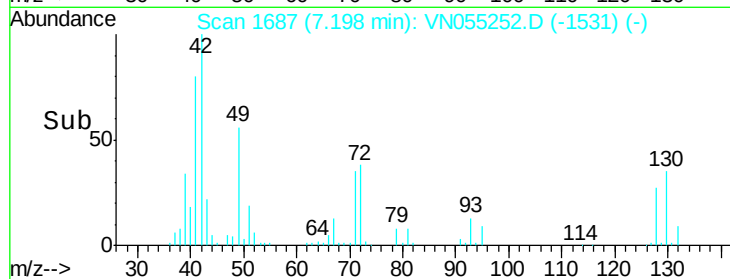
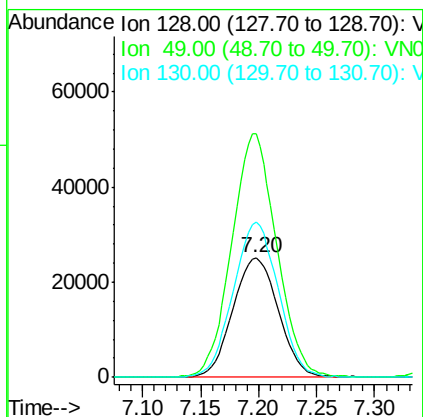
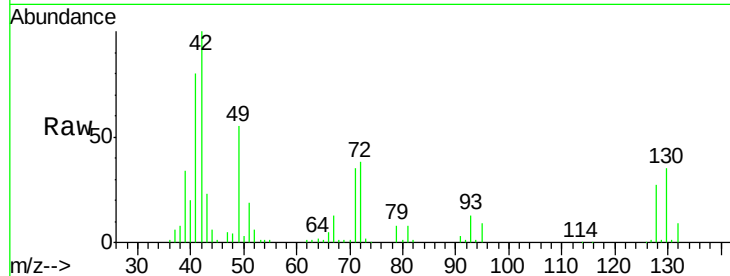
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
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ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
49	200.7	0.0	485.0
130	128.0	0.0	324.7

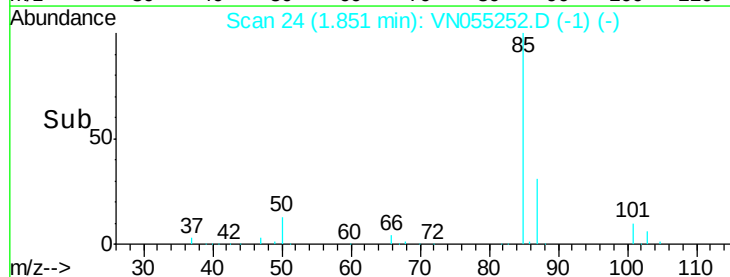
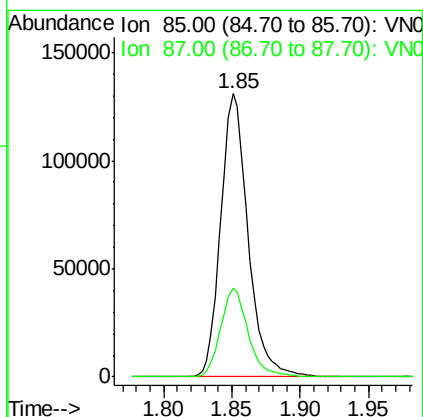
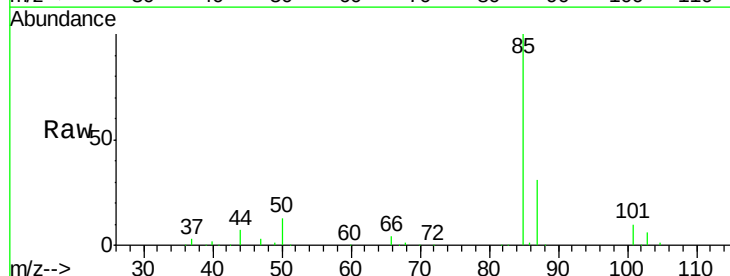
Manual Integrations
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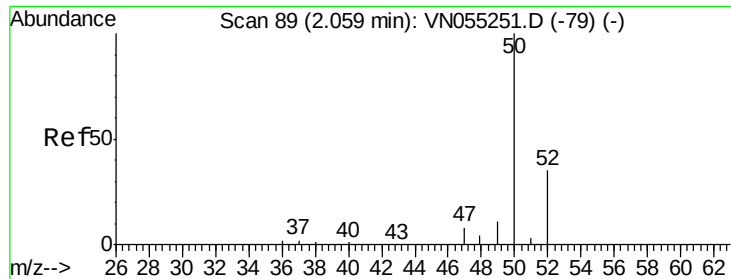
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#2
Dichlorodifluoromethane
Concen: 46.376 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.6	49.7





#3

Chloromethane

Concen: 47.726 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 50 Resp: 257482

Ion Ratio Lower Upper

50 100

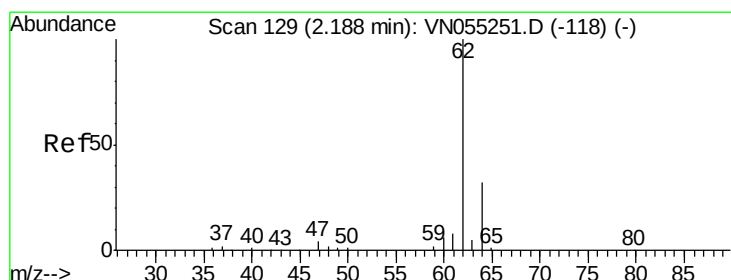
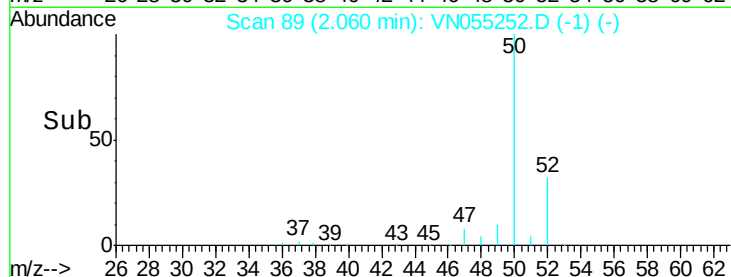
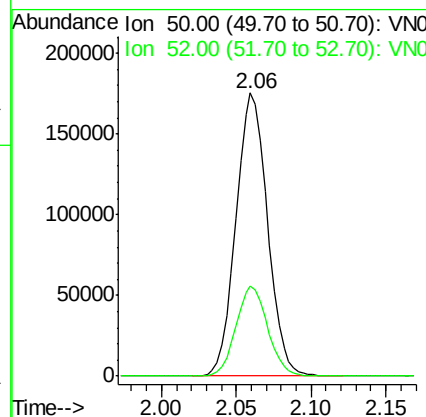
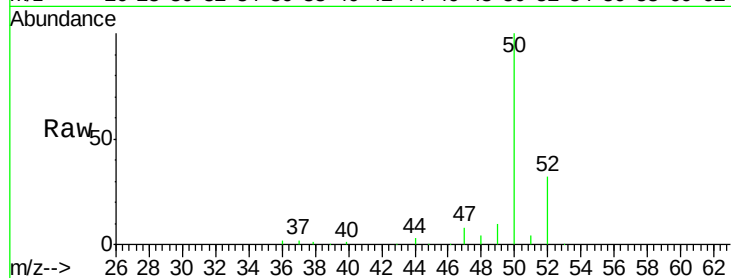
52 31.7 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.560 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055252.D

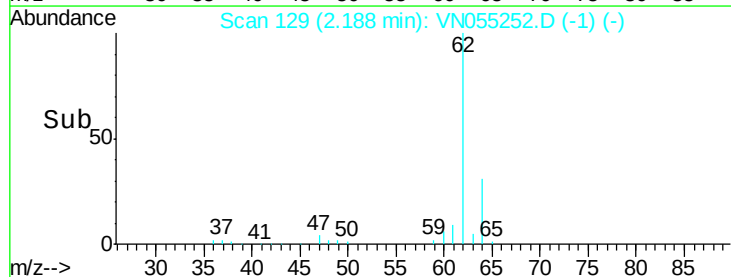
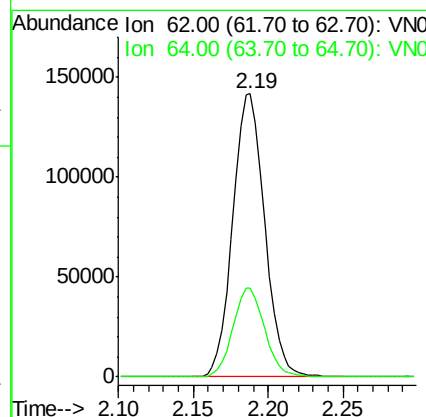
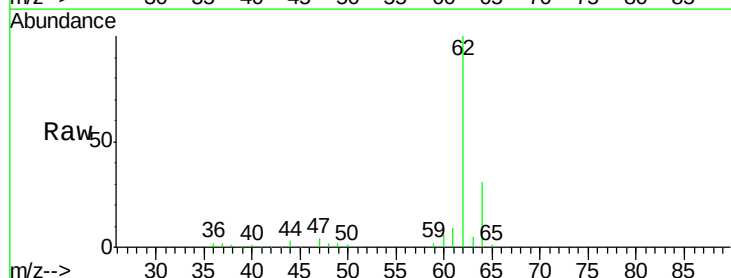
Acq: 25 Apr 2019 18:50

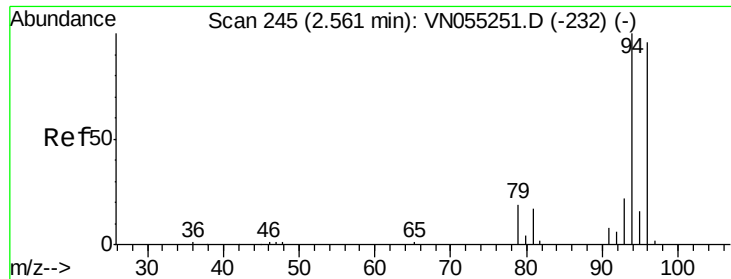
Tgt Ion: 62 Resp: 210925

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 42.195 ug/l

RT: 2.55 min Scan# 241

Delta R.T. -0.01 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Tot Ion: 94 Resp: 112767

Ion Ratio Lower Upper

94 100

96 92.2 77.0 115.6

Instrument :

MSVOA_N

ClientSampleId :

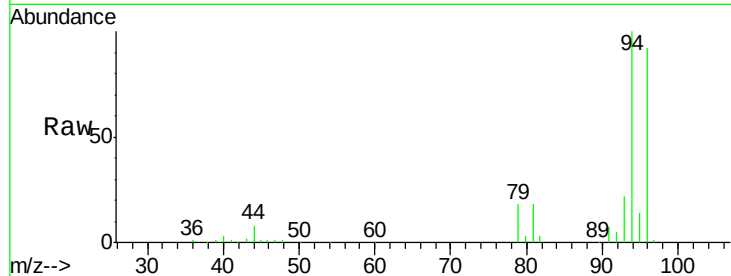
VSTDIC050

Manual Integrations

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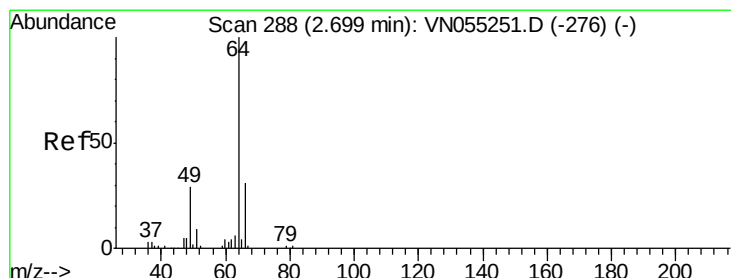
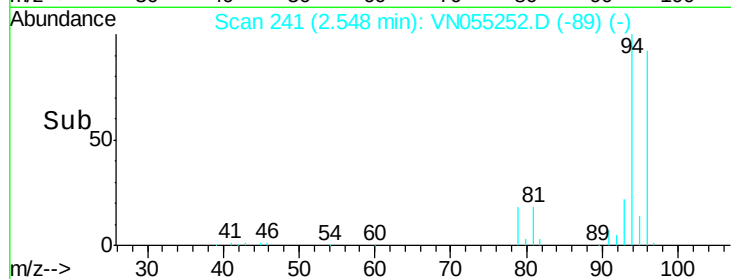
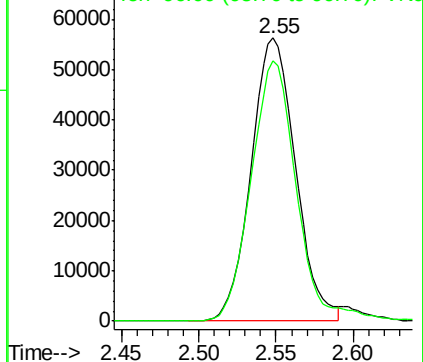
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 44.035 ug/l

RT: 2.69 min Scan# 286

Delta R.T. -0.01 min

Lab File: VN055252.D

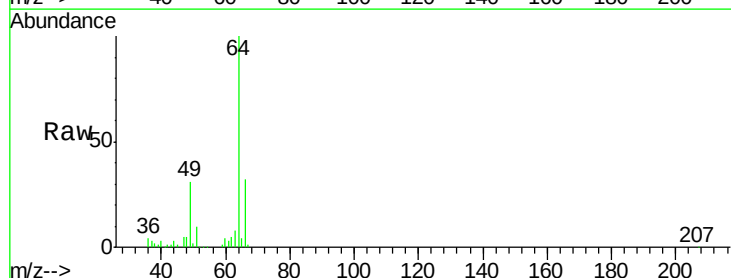
Acq: 25 Apr 2019 18:50

Tgt Ion: 64 Resp: 113965

Ion Ratio Lower Upper

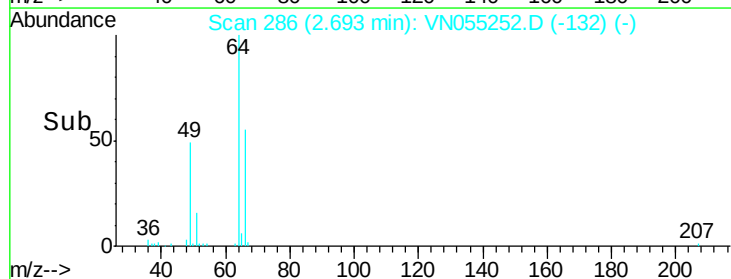
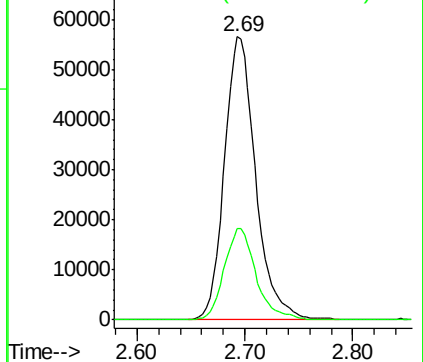
64 100

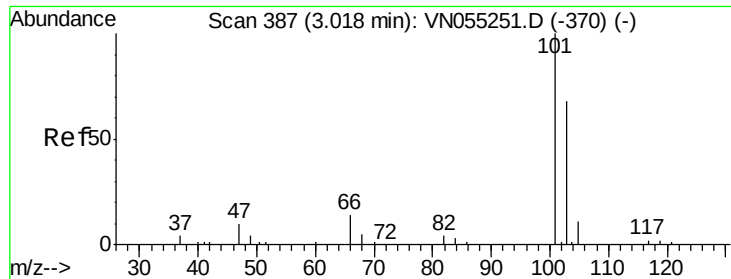
66 32.2 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

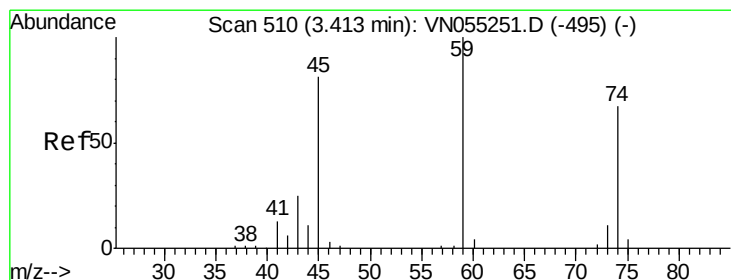
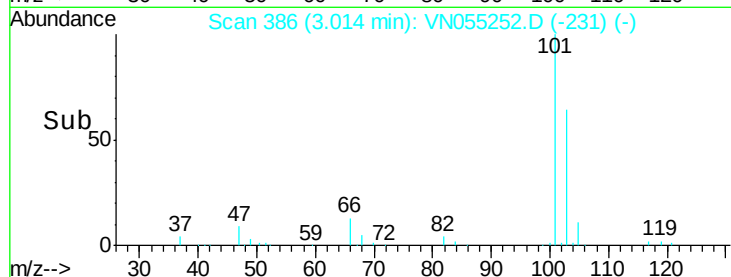
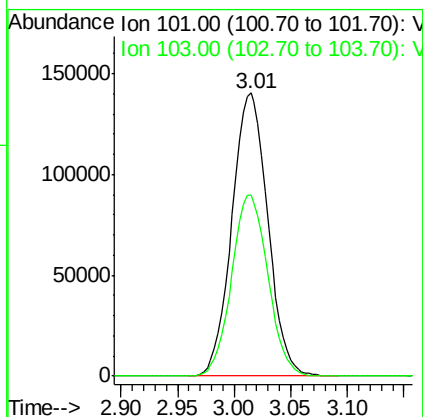
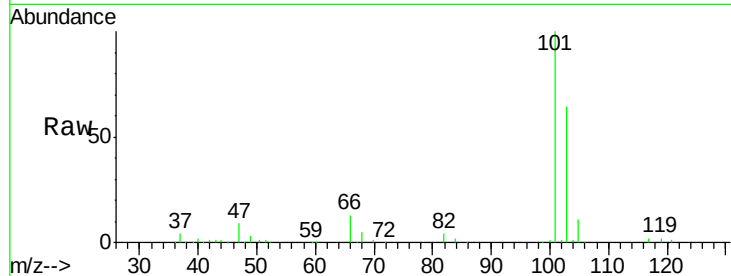
Trichlorofluoromethane
Concen: 51.391 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:101 Resp: 310495
Ion Ratio Lower Upper
101 100
103 63.7 54.6 81.8

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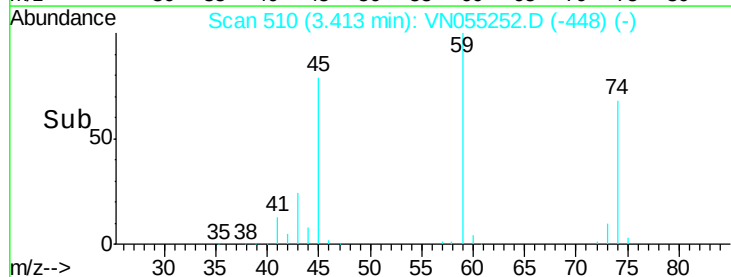
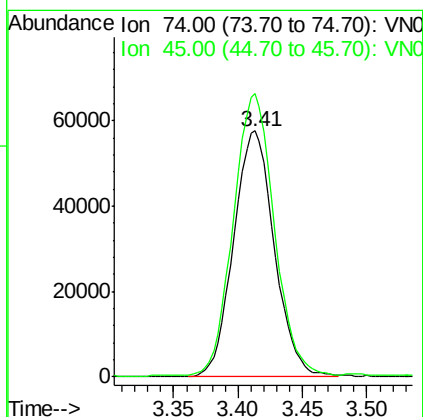
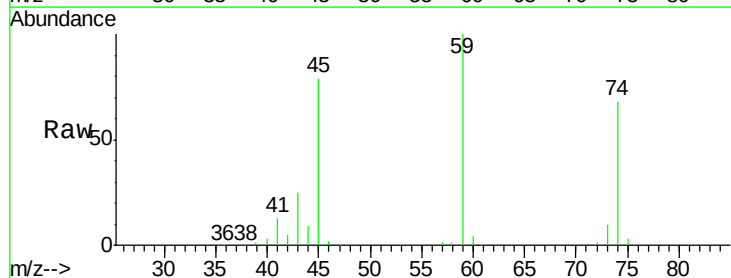
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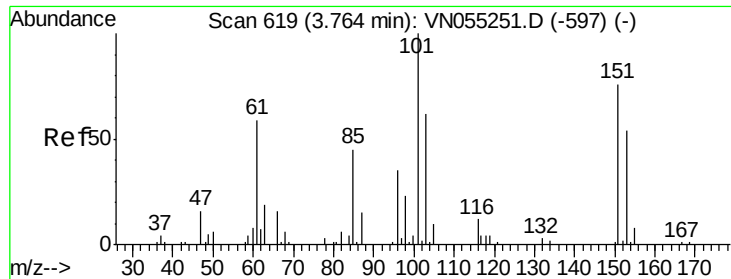


#8

Diethyl Ether
Concen: 62.195 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion: 74 Resp: 126797
Ion Ratio Lower Upper
74 100
45 115.7 25.1 225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 57.970 ug/l

RT: 3.76 min Scan# 617

Delta R.T. -0.01 min

Lab File: VN055252.D

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Instrument :

MSVOA_N

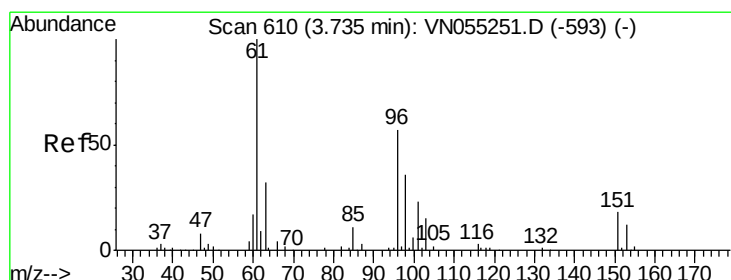
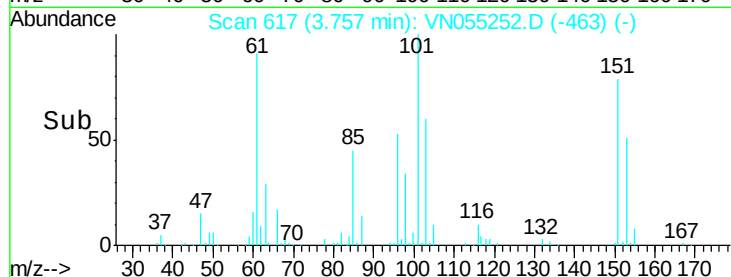
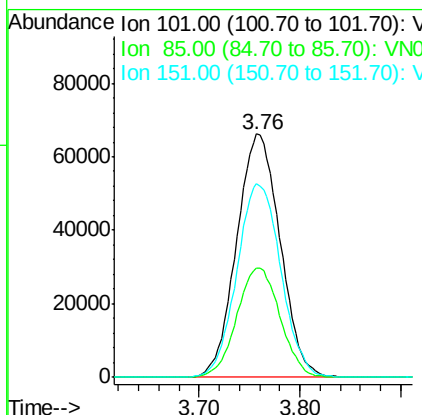
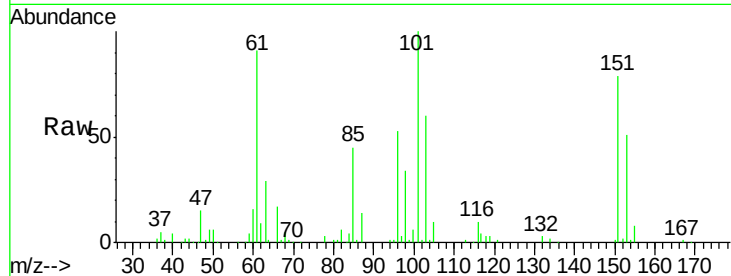
ClientSampleId :

VSTDIC050

Tot Ion:	101	Resp:	198154
Ion Ratio	Lower	Upper	
101	100		
85	44.7	0.0	89.0
151	80.3	0.0	154.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 58.299 ug/l

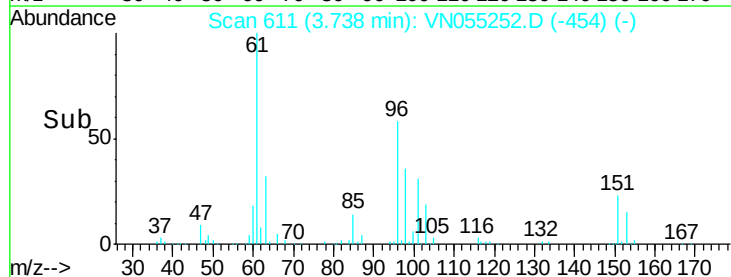
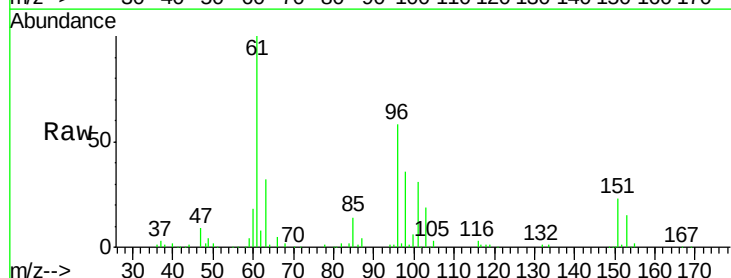
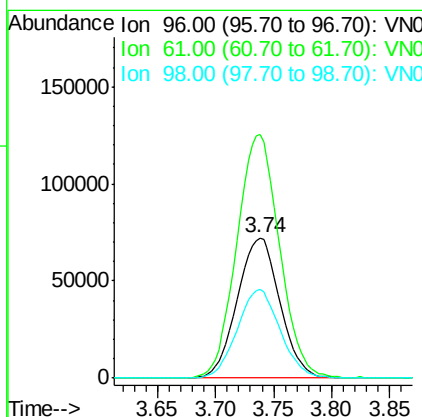
RT: 3.74 min Scan# 611

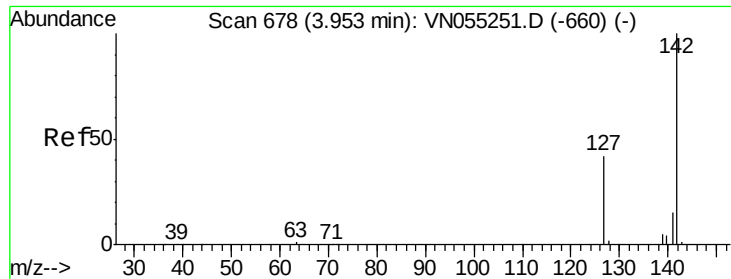
Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Tgt Ion:	96	Resp:	184849
Ion Ratio	Lower	Upper	
96	100		
61	173.5	139.9	209.9
98	62.7	50.8	76.2





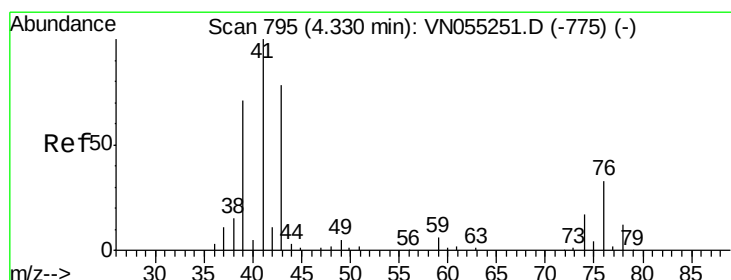
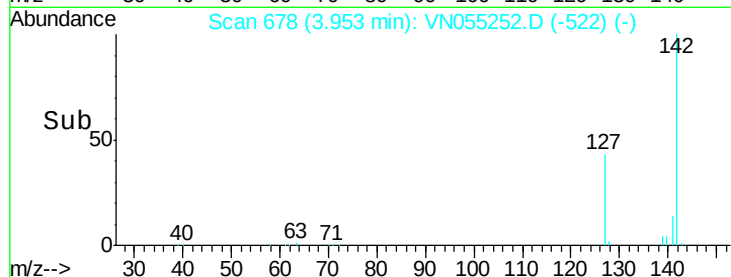
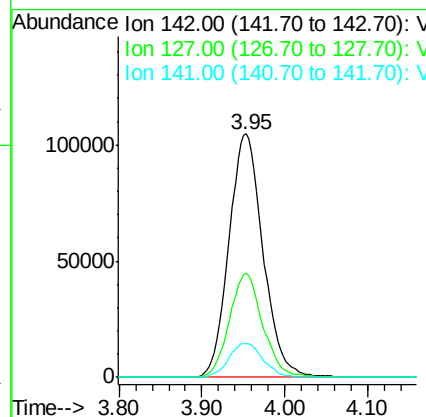
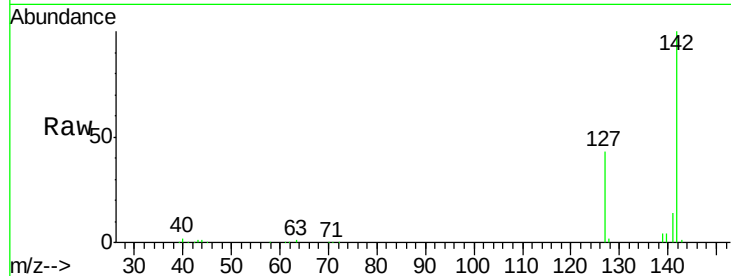
#11
Methyl Iodide
Concen: 61.763 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	42.7	20.9	62.7
141	13.9	7.6	22.8

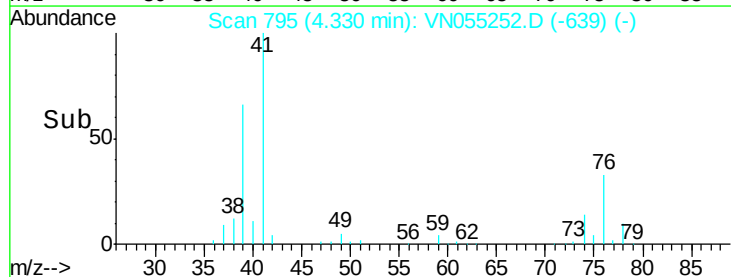
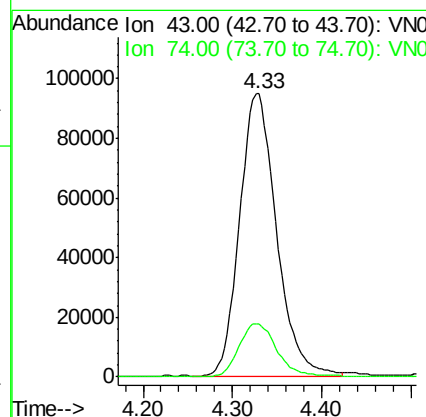
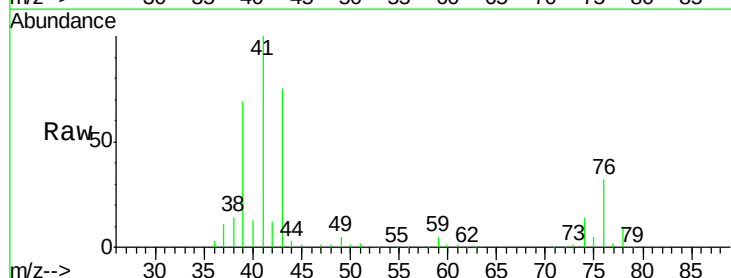
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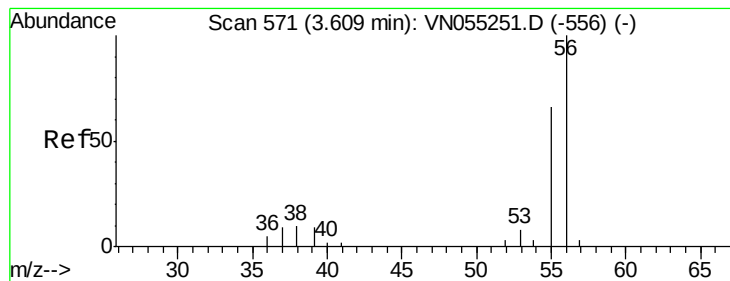
MMdadoda
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#12
Methyl Acetate
Concen: 66.497 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.6	17.7	26.5





#13

Acrolein

Concen: 181.506 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 56 Resp: 56198

Ion Ratio Lower Upper

56 100

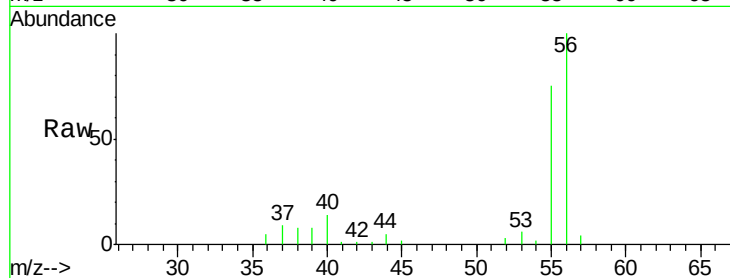
55 71.7 54.9 82.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

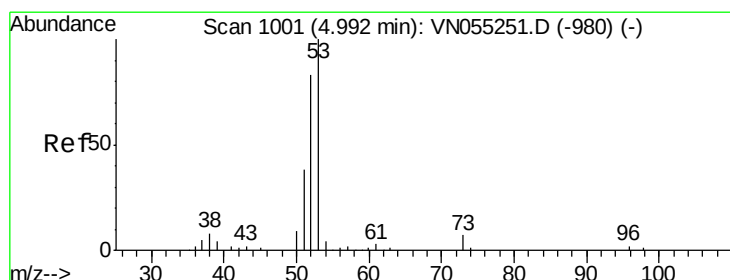
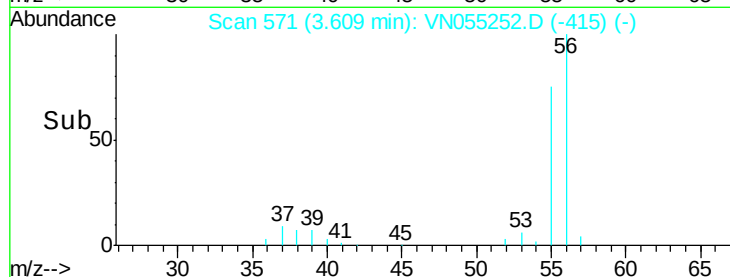
15000

10000

5000

0

Time--> 3.50 3.55 3.60 3.65 3.70



#14

Acrylonitrile

Concen: 298.243 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

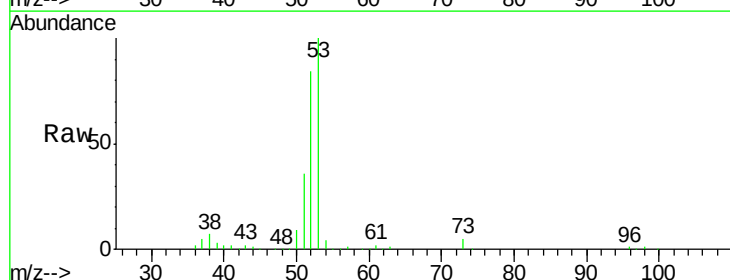
Tgt Ion: 53 Resp: 487560

Ion Ratio Lower Upper

53 100

52 82.1 41.0 123.2

51 36.5 18.1 54.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

200000

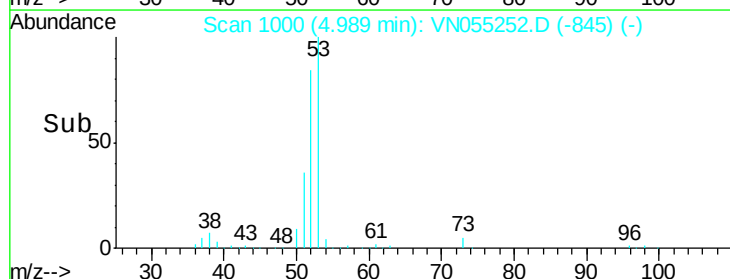
150000

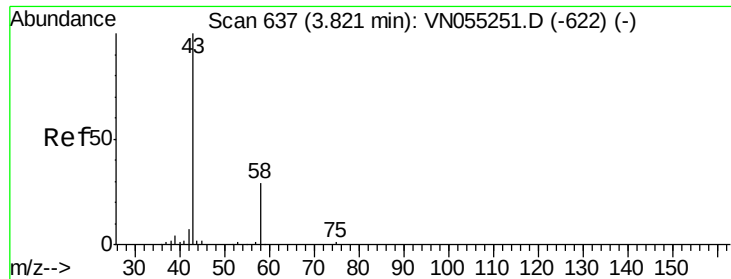
100000

50000

0

Time--> 4.90 5.00 5.10





#15

Acetone

Concen: 292.685 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Tot Ion: 58 Resp: 114137

Ion Ratio Lower Upper

58 100

43 354.1 278.2 417.2

Instrument :

MSVOA_N

ClientSampleId :

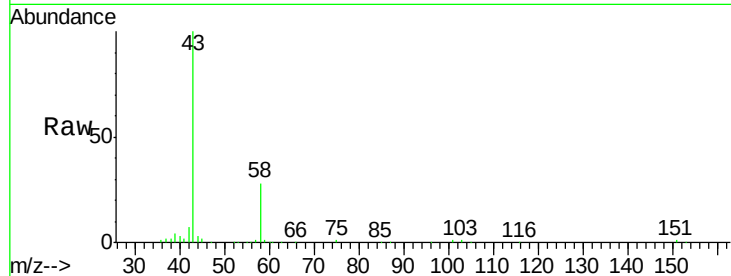
VSTDIC050

Manual Integrations

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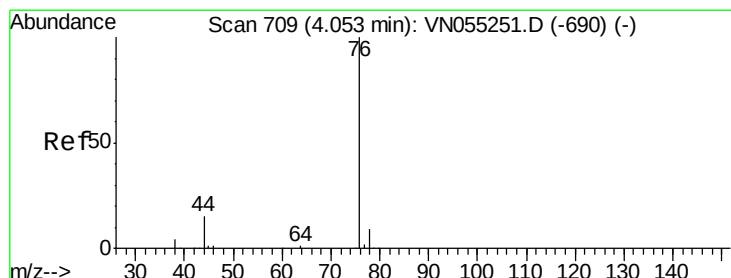
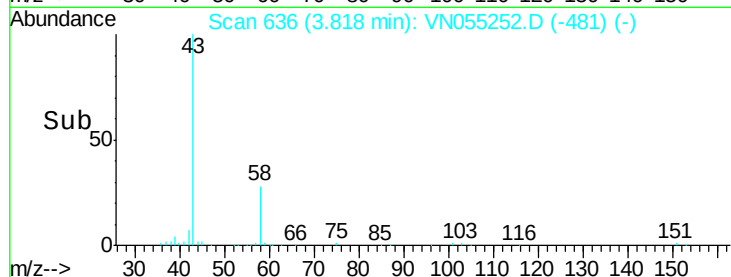
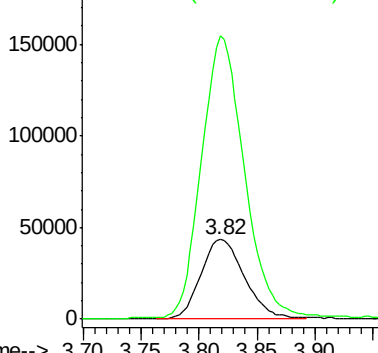
MMdadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 48.022 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN055252.D

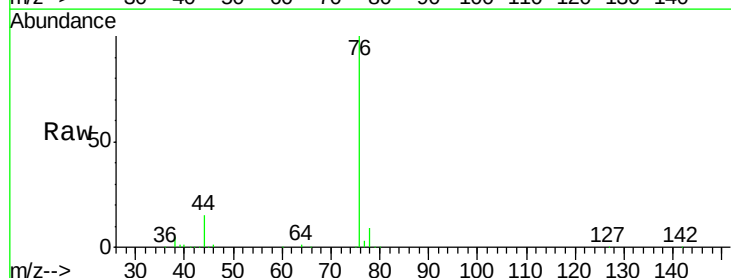
Acq: 25 Apr 2019 18:50

Tgt Ion: 76 Resp: 490794

Ion Ratio Lower Upper

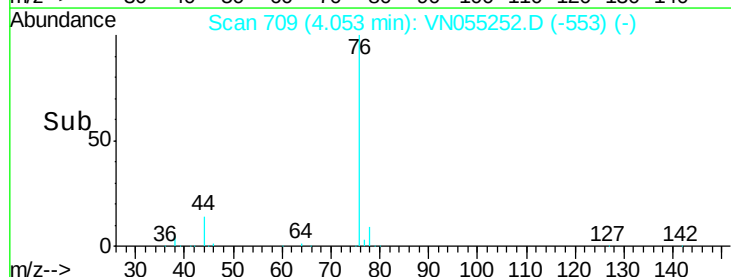
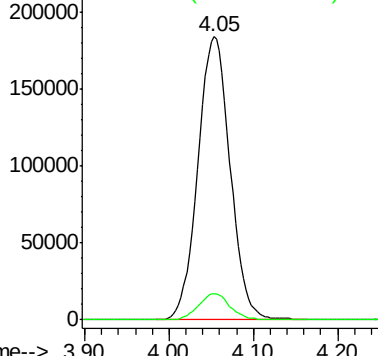
76 100

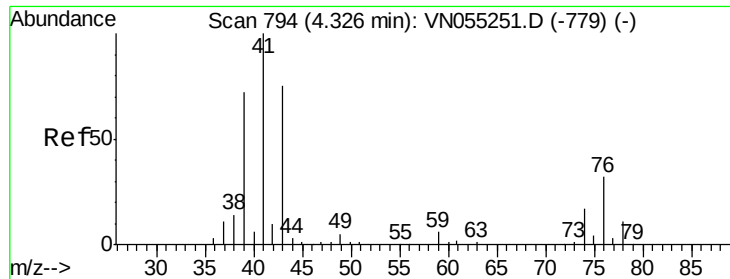
78 9.4 6.8 10.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 53.906 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

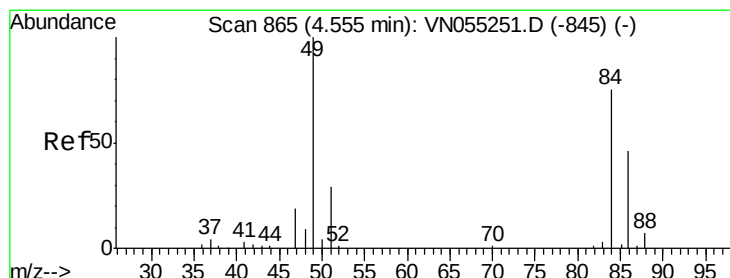
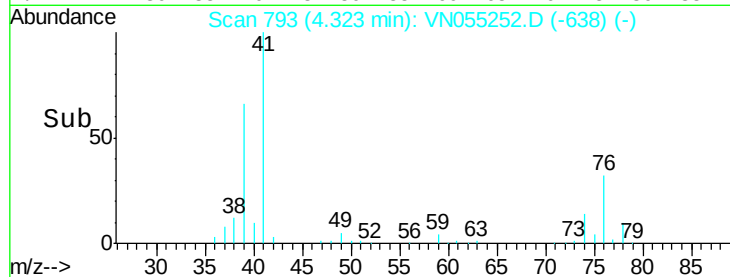
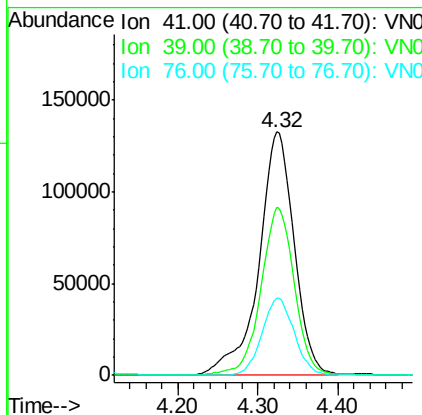
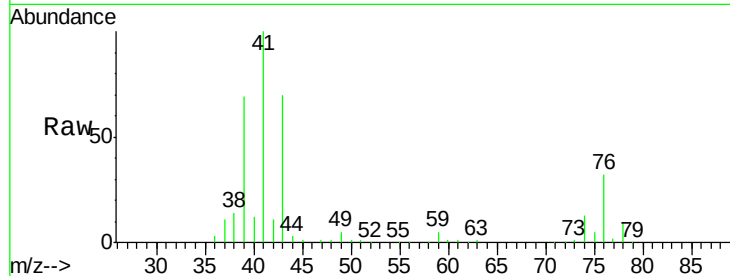
ClientSampleId :

VSTDIC050

Tot Ion:	41	Resp:	406918
Ion	Ratio	Lower	Upper
41	100		
39	68.8	34.4	103.2
76	31.5	15.3	45.9

Manual Integrations
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#18

Methylene Chloride

Concen: 49.734 ug/l

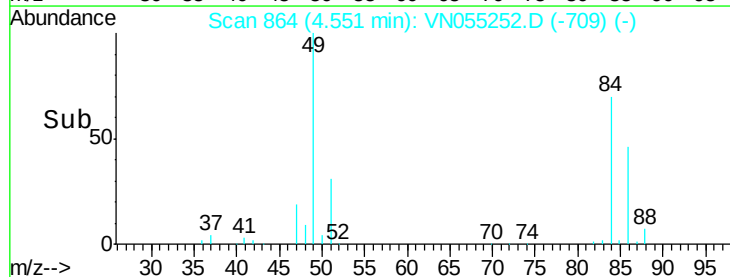
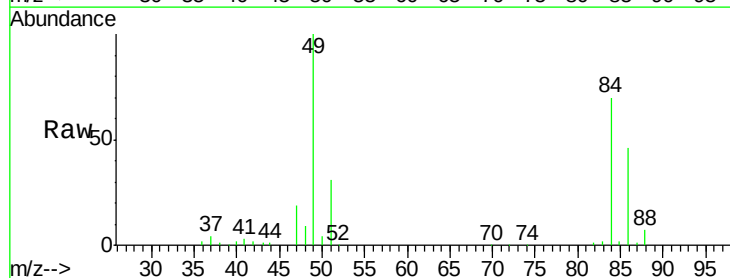
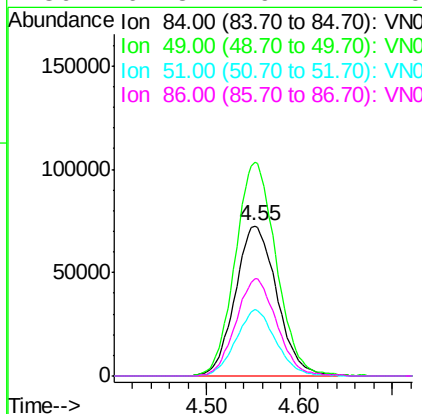
RT: 4.55 min Scan# 864

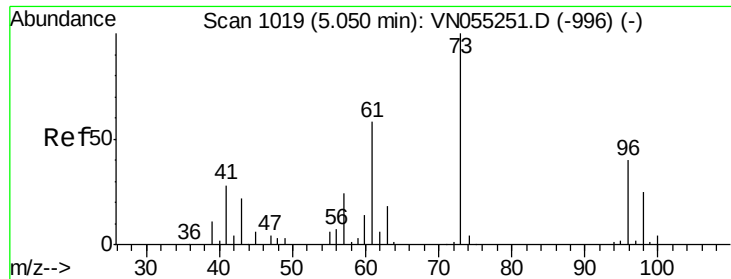
Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Tgt Ion:	84	Resp:	226432
Ion	Ratio	Lower	Upper
84	100		
49	142.2	107.2	160.8
51	43.9	31.4	47.2
86	64.8	49.4	74.0





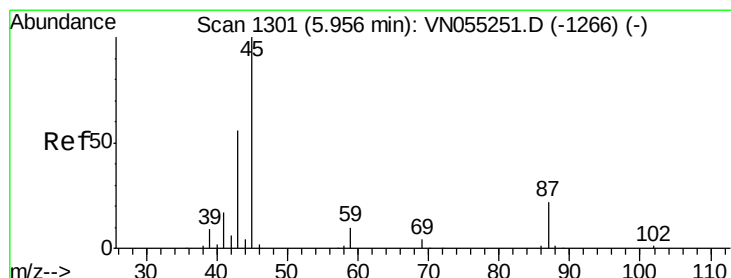
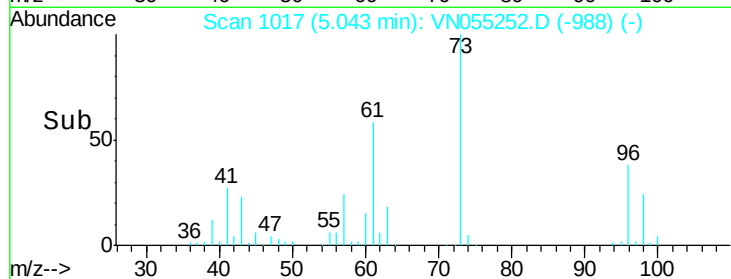
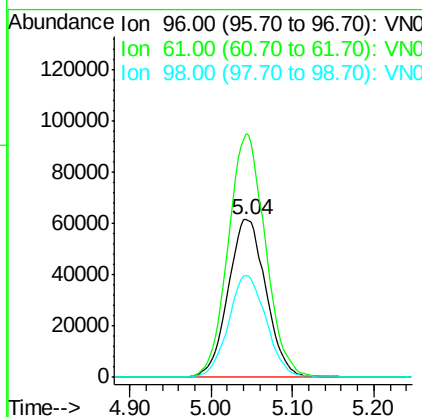
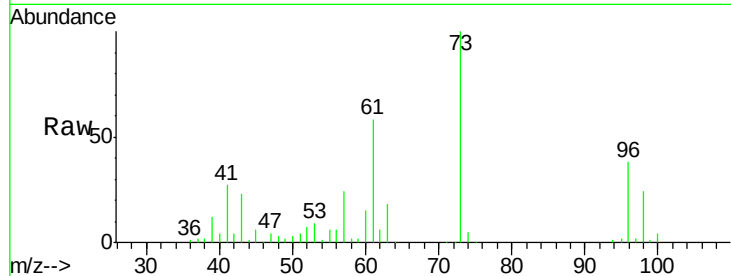
#19
trans-1,2-Dichloroethene
Concen: 49.894 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.9	116.3	174.5
98	64.6	49.4	74.2

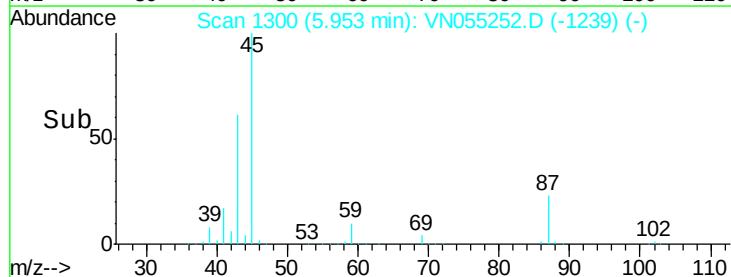
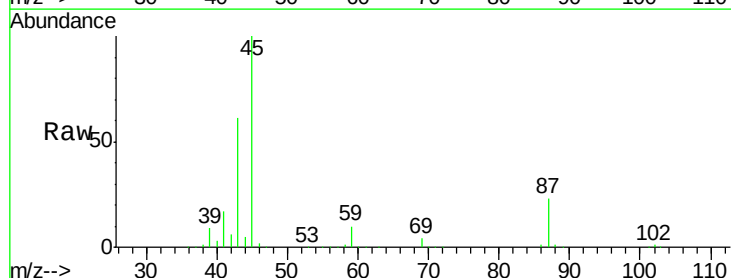
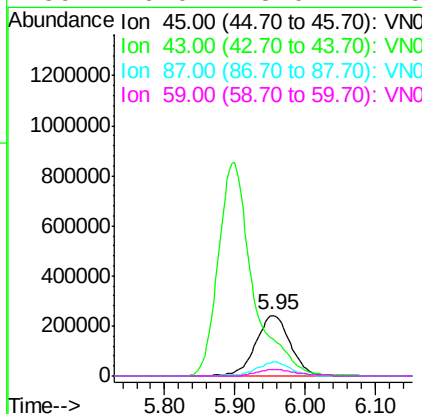
Manual Integrations
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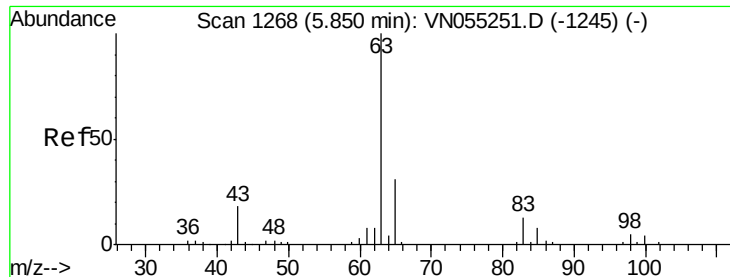
MMdadoda
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#20
Diisopropyl ether
Concen: 53.197 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.5	46.1	69.1
87	22.4	18.3	27.5
59	10.0	8.0	12.0





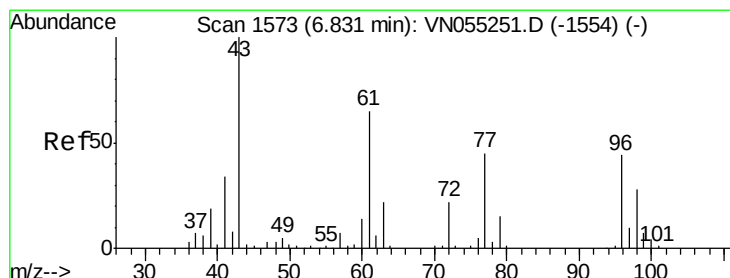
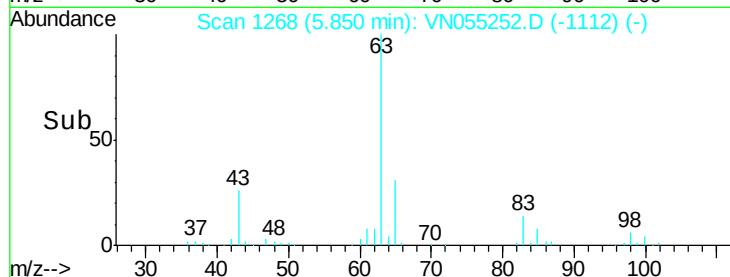
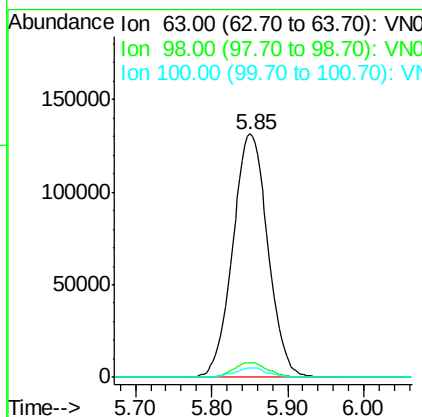
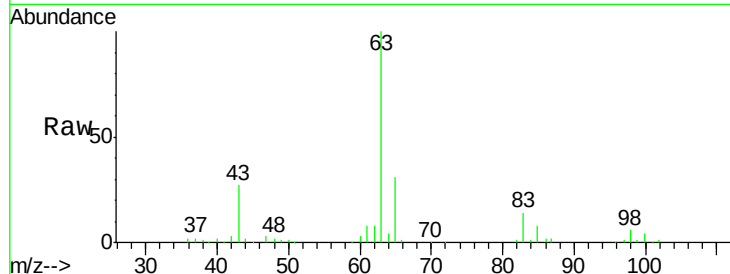
#21
 1,1-Dichloroethane
 Concen: 51.291 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	421581		
98	6.0	2.8	8.3	
100	3.8	2.0	5.8	

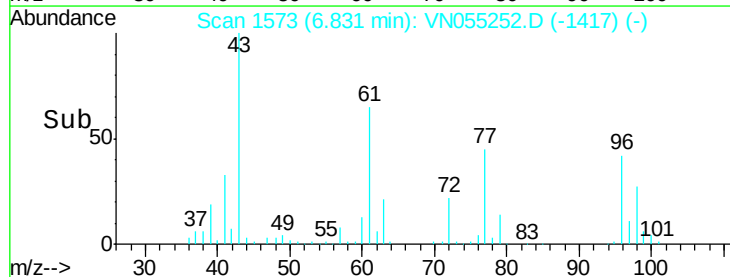
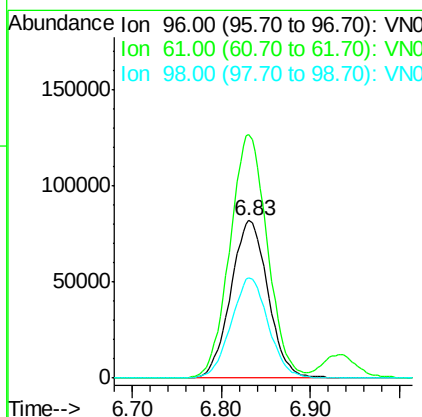
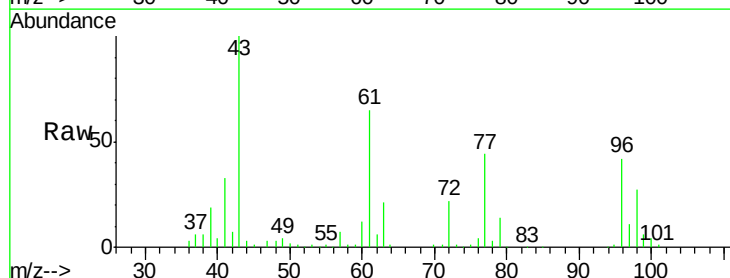
Manual Integrations
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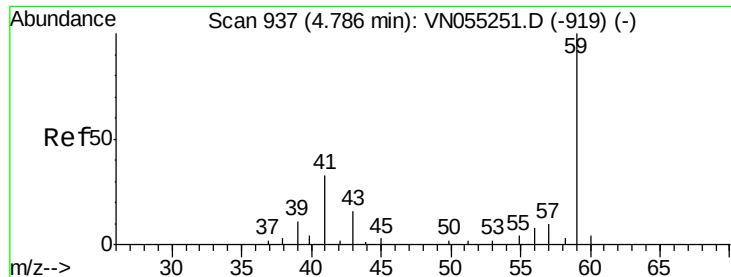
MMDadoda
 4/26/2019 10:52:46 AM



#22
 cis-1,2-Dichloroethene
 Concen: 51.336 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	236940		
61	155.7	129.1	193.7	
98	63.7	53.2	79.8	





#23

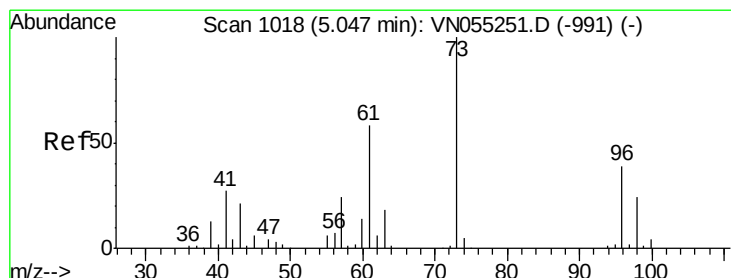
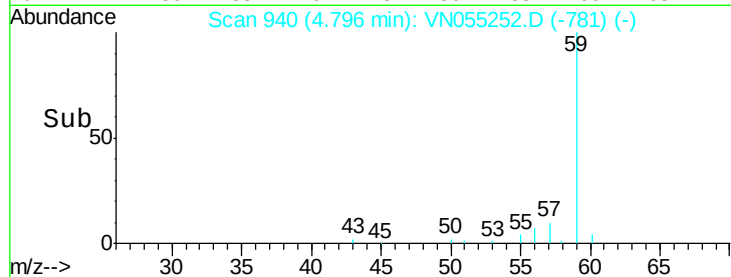
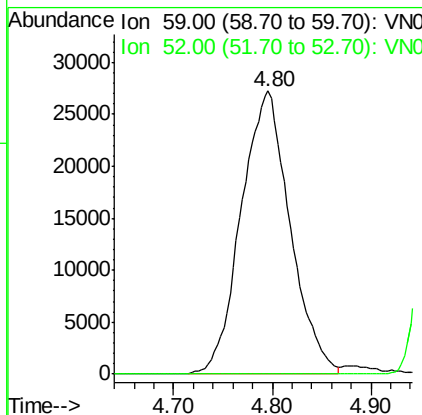
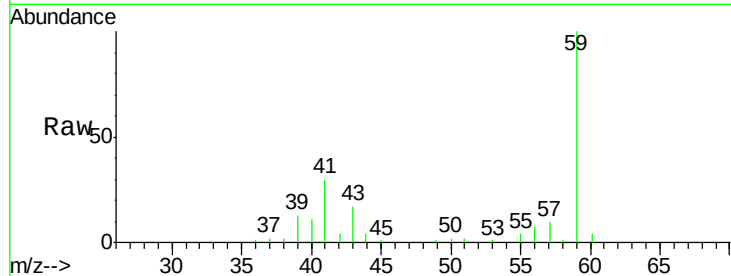
tert-Butyl Alcohol
 Concen: 341.685 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
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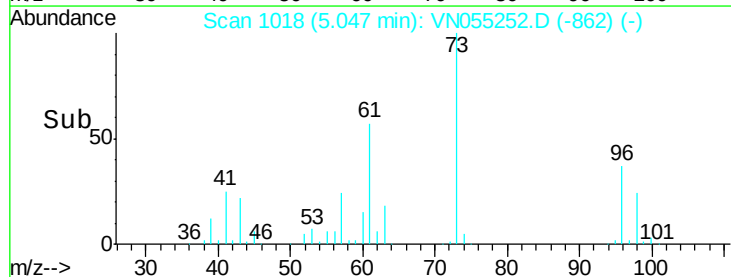
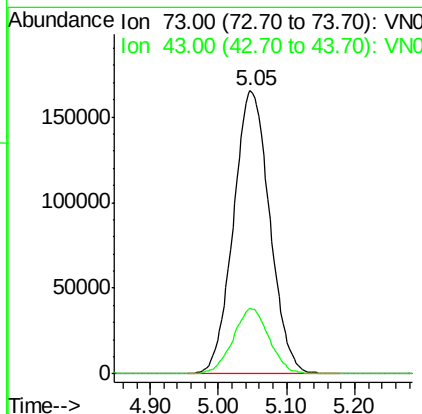
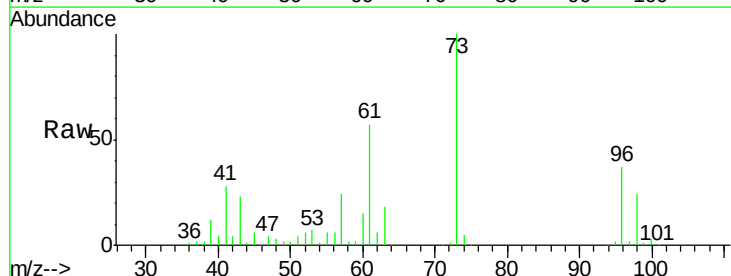
MMDadoda
 4/26/2019 10:52:46 AM

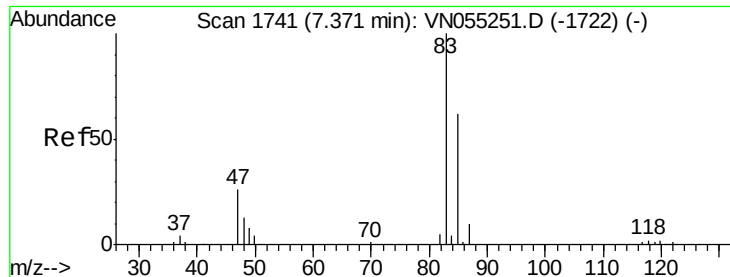


#24

Methyl tert-Butyl Ether
 Concen: 57.380 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
73	100		
43	22.5	17.9	26.9





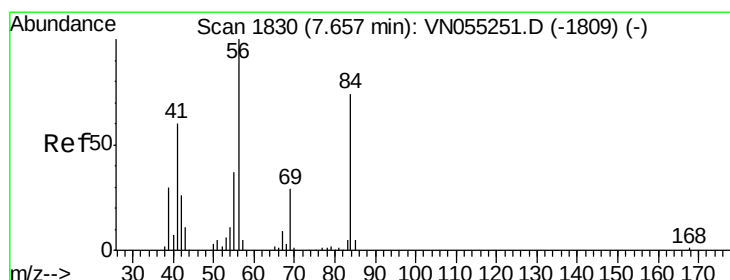
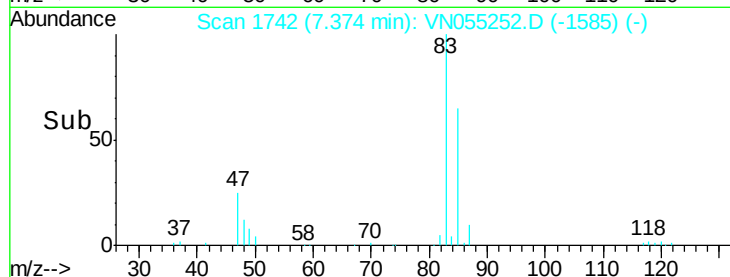
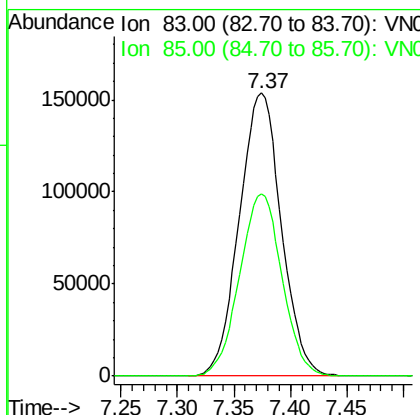
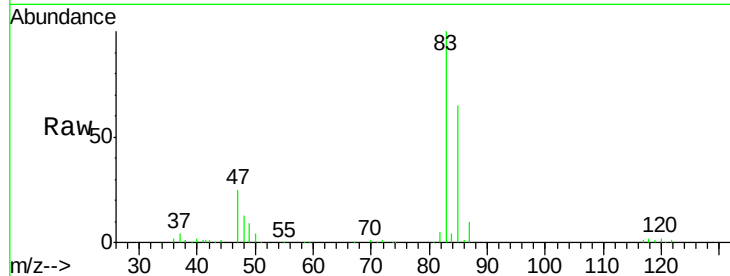
#25
Chloroform
Concen: 50.726 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	83	Resp	397405
Ion Ratio	100	Lower	Upper
85	64.6	49.7	74.5

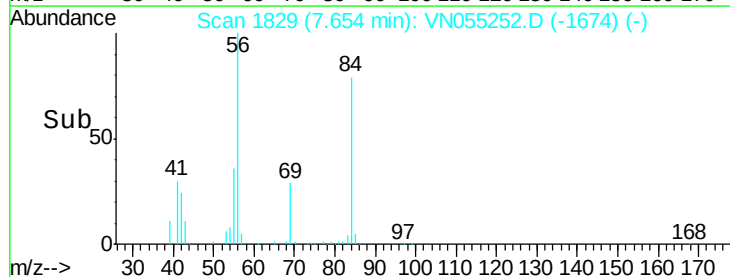
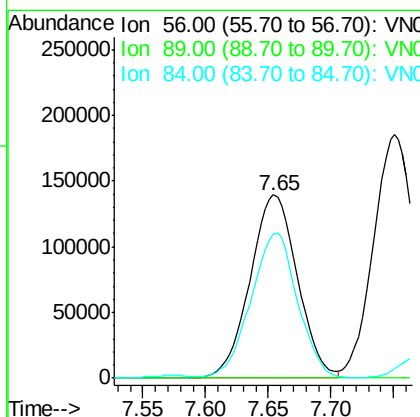
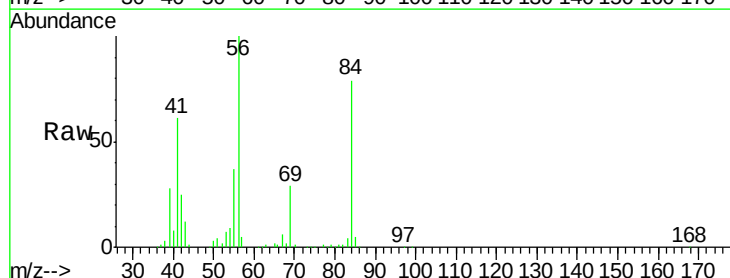
Manual Integrations
APPROVED

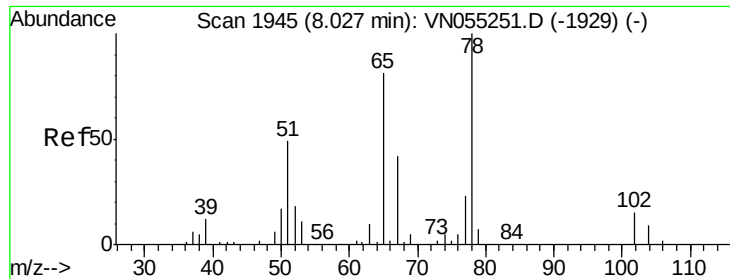
MMDadoda
4/26/2019 10:52:46 AM



#26
Cyclohexane
Concen: 48.963 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion	56	Resp	366515
Ion Ratio	100	Lower	Upper
89	0.0	0.0	0.0
84	78.0	63.5	95.3





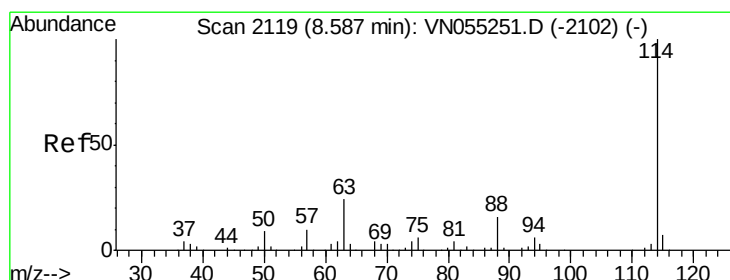
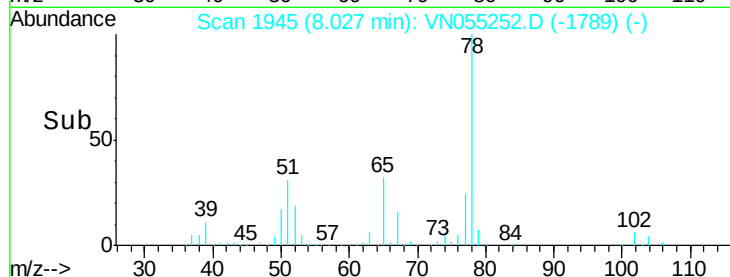
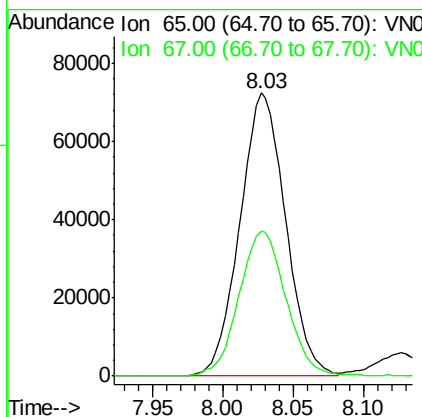
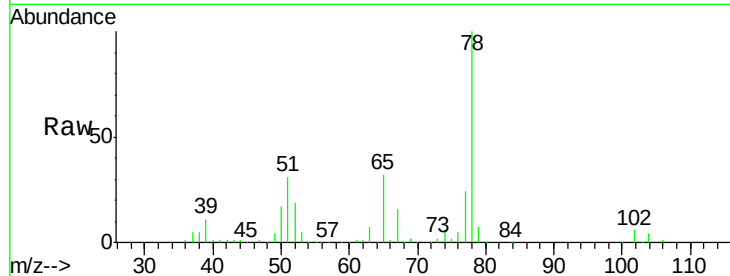
#27
 1,2-Dichloroethane-d4
 Concen: 31.346 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.5	41.9	62.9

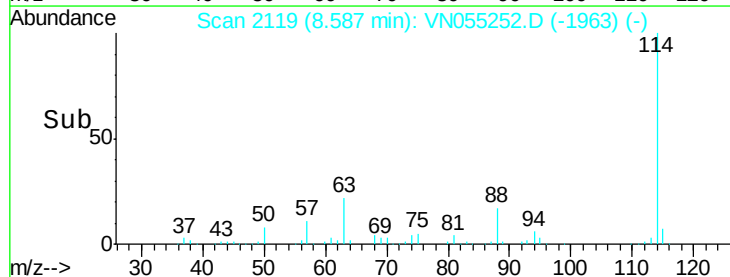
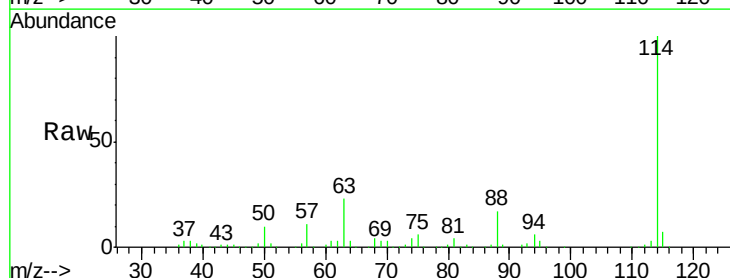
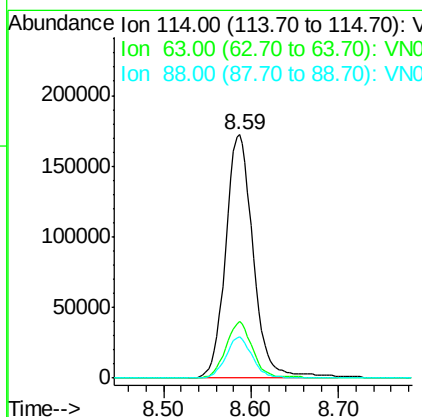
Manual Integrations
 APPROVED

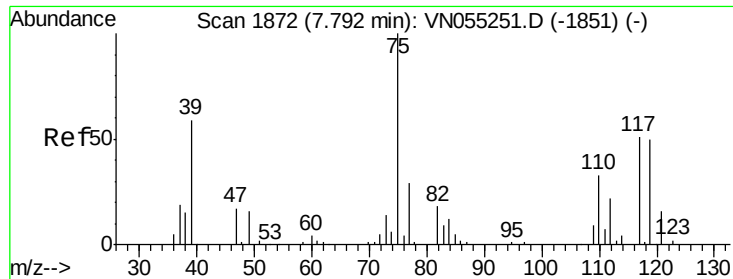
MMDadoda
 4/26/2019 10:52:46 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	18.2	27.2
88	16.0	12.6	18.8





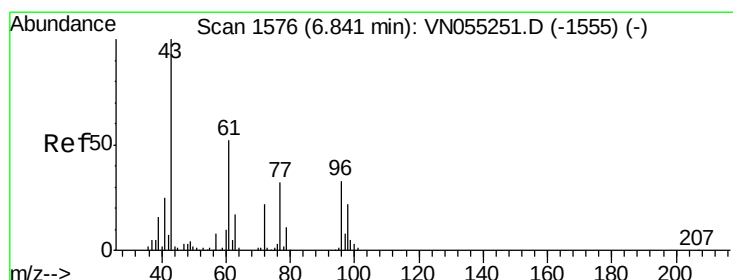
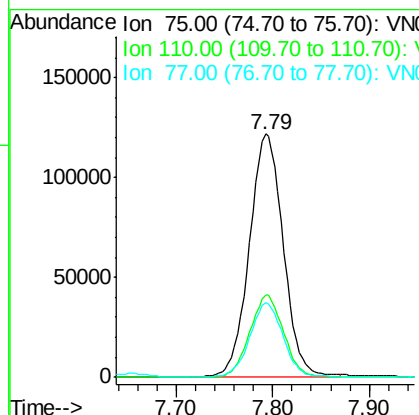
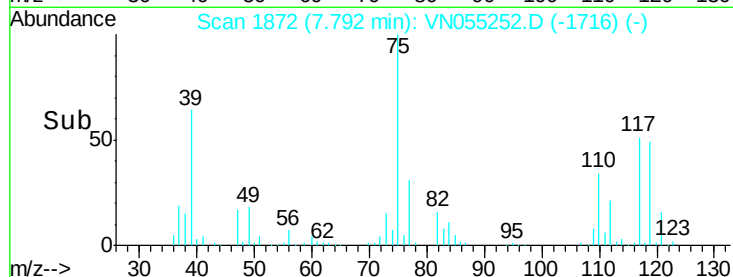
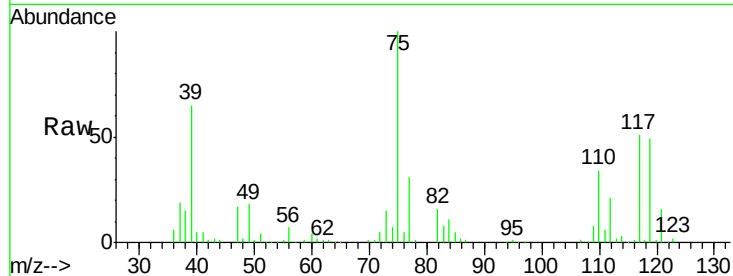
#29
 1,1-Dichloropropene
 Concen: 50.269 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	33.6	0.0	68.6
77	30.4	0.0	61.6

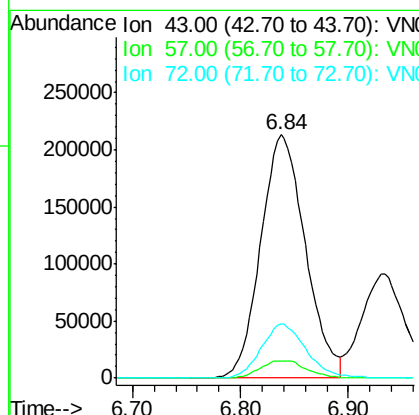
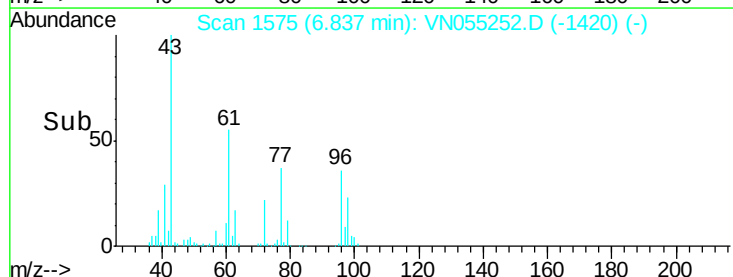
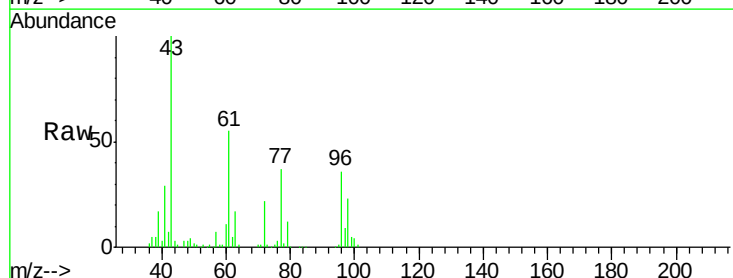
Manual Integrations
 APPROVED

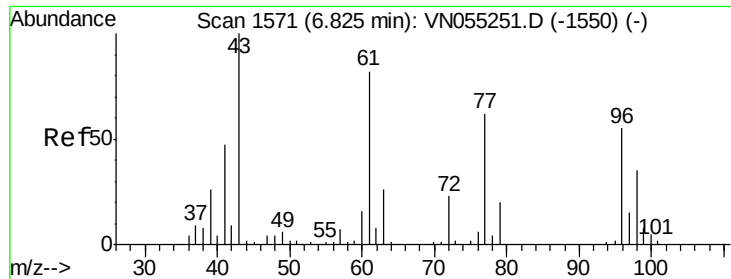
MMdadoda
 4/26/2019 10:52:46 AM



#30
 2-Butanone
 Concen: 295.130 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.6	6.0	9.0
72	22.5	17.9	26.9





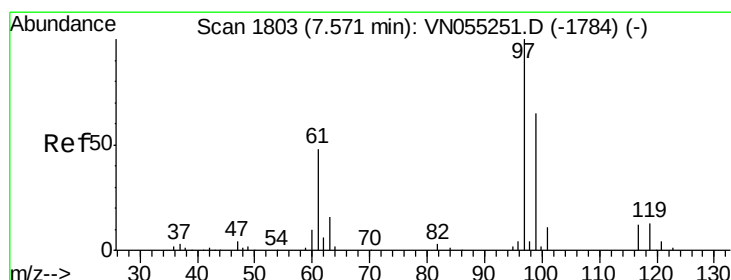
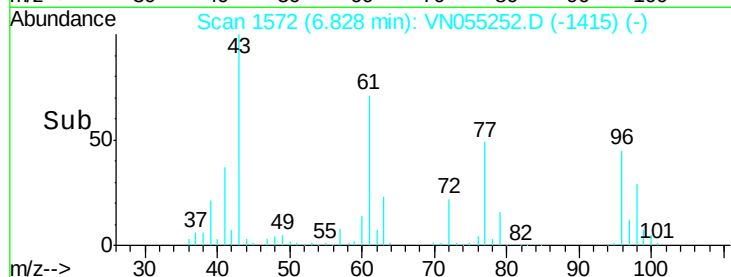
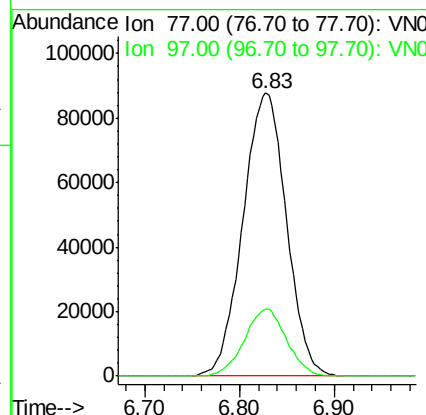
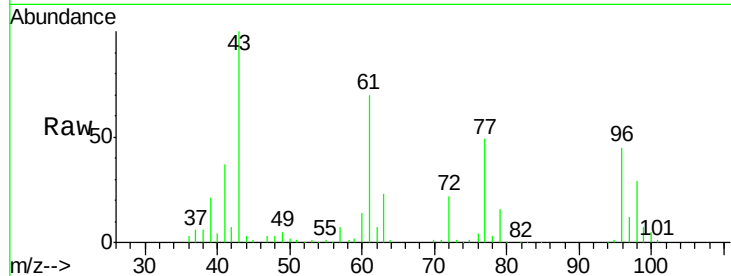
#31
 2,2-Dichloropropane
 Concen: 50.758 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tot Ion: 77 Resp: 279946
 Ion Ratio Lower Upper
 77 100
 97 23.0 18.6 28.0

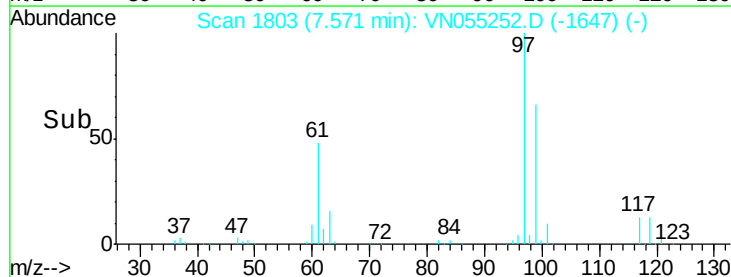
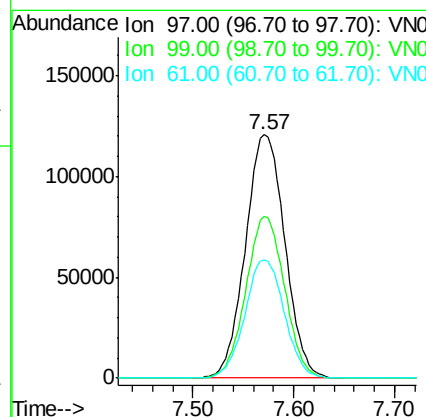
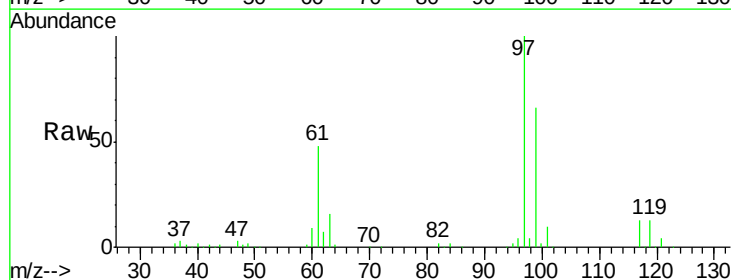
Manual Integrations
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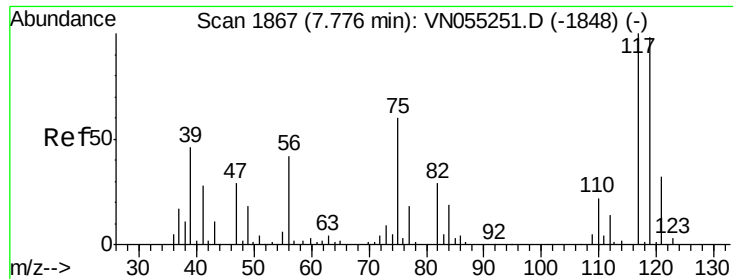
MMdadoda
 4/26/2019 10:52:46 AM



#32
 1,1,1-Trichloroethane
 Concen: 51.636 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion: 97 Resp: 327822
 Ion Ratio Lower Upper
 97 100
 99 65.0 51.2 76.8
 61 48.5 38.3 57.5





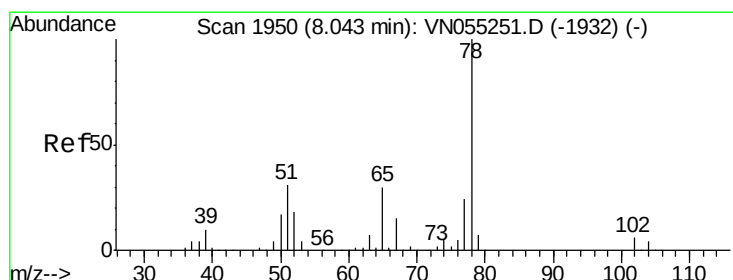
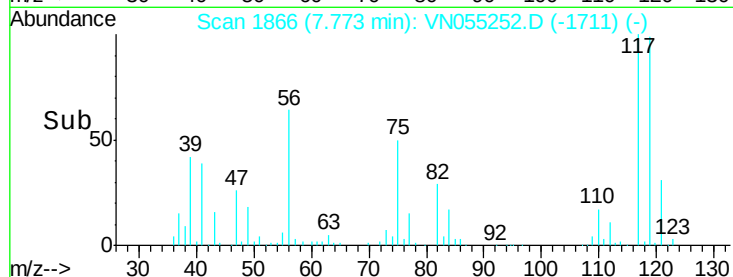
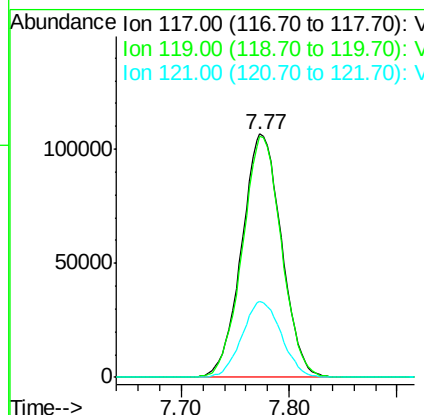
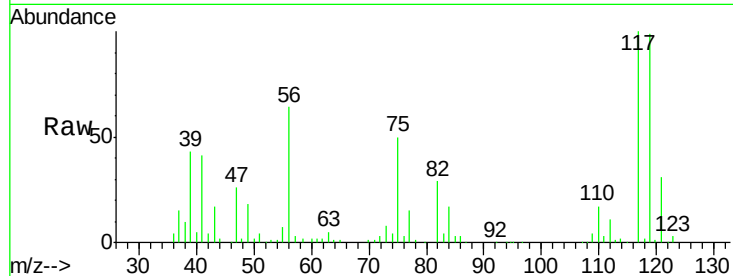
#33
Carbon Tetrachloride
Concen: 50.120 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.8	78.7	118.1
121	31.4	25.8	38.6

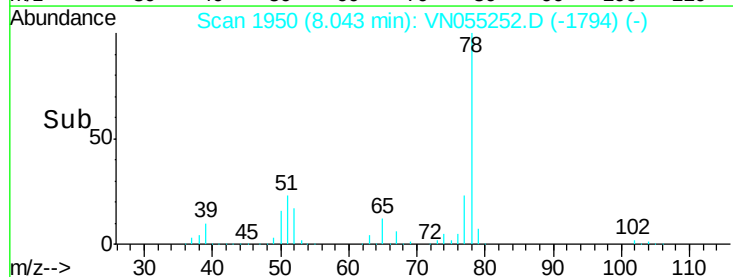
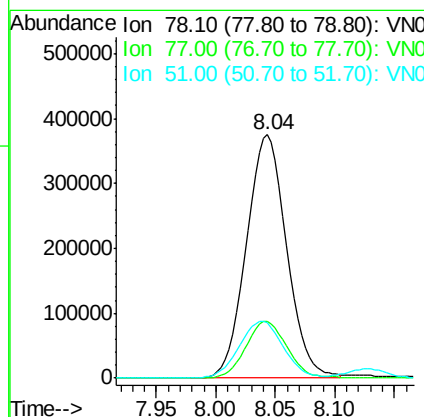
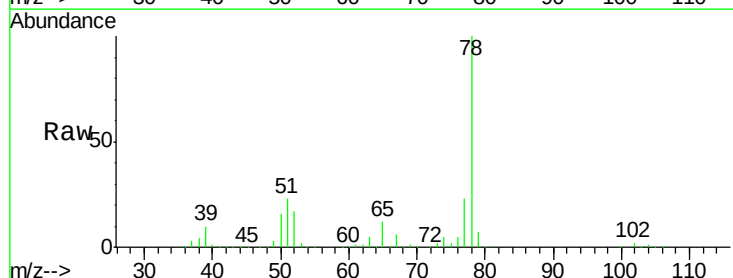
Manual Integrations
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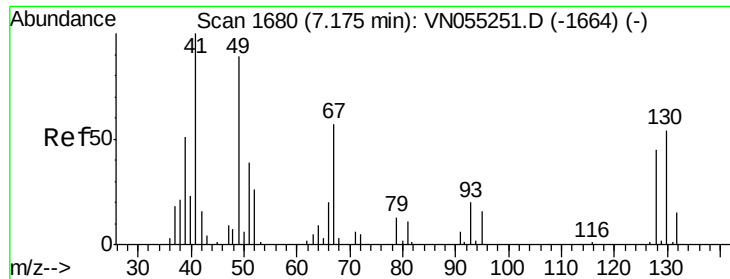
MMdadoda
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#34
Benzene
Concen: 49.917 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7
51	22.7	24.5	36.7#





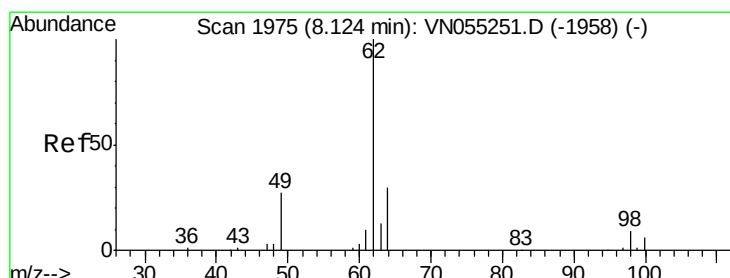
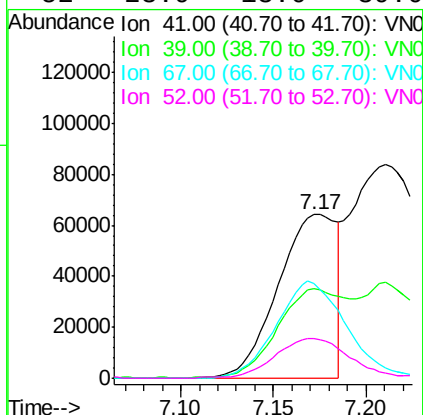
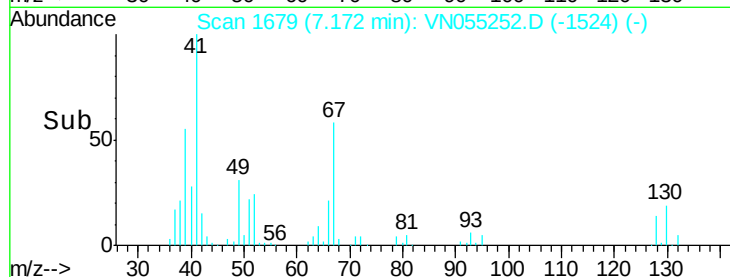
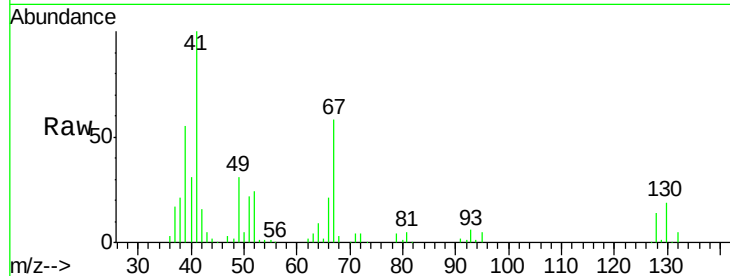
#35
Methacrylonitrile
Concen: 56.819 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:	41	Resp:	141042
Ion	Ratio	Lower	Upper
41	100		
39	54.7	25.3	75.8
67	57.6	28.7	86.1
52	23.9	13.0	39.0

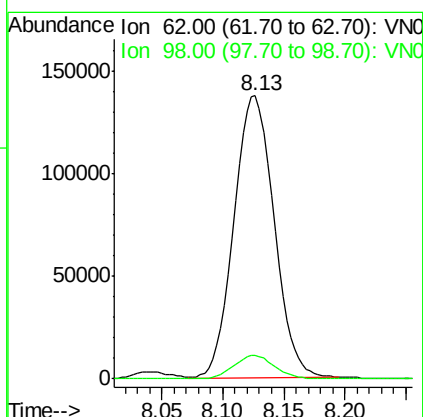
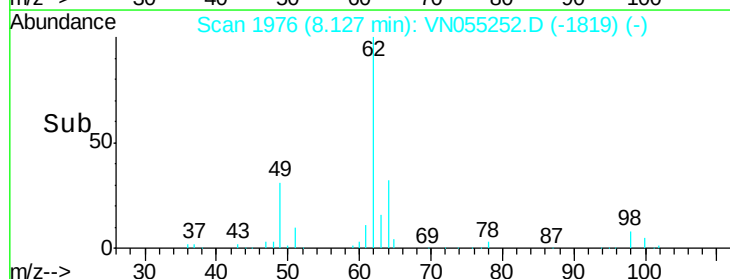
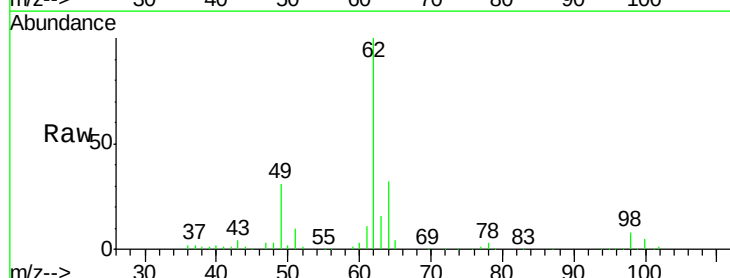
Manual Integrations
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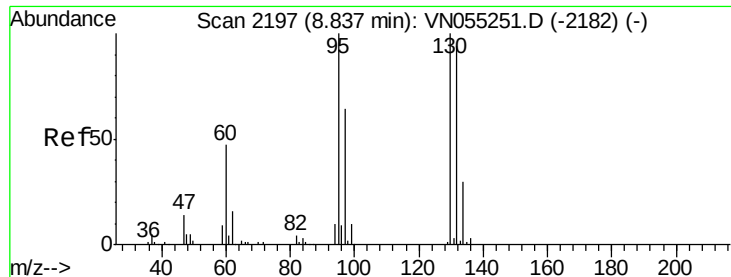
MMdadoda
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#36
1,2-Dichloroethane
Concen: 51.728 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion:	62	Resp:	314648
Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.8	10.2





#37

Trichloroethene

Concen: 49.724 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:130 Resp: 222167

Ion Ratio Lower Upper

130 100

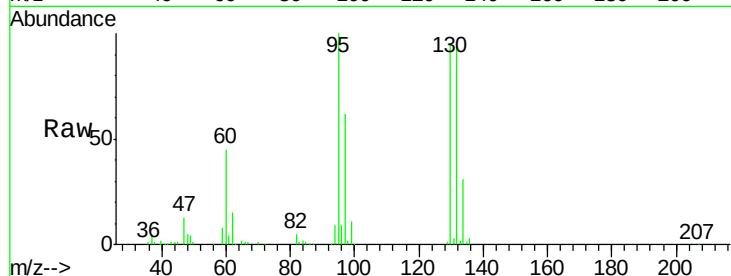
95 105.0 79.9 119.9

Manual Integrations

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MMdadoda

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VNO

8.84

120000

100000

80000

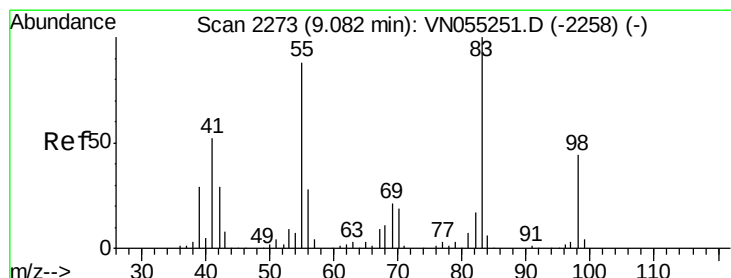
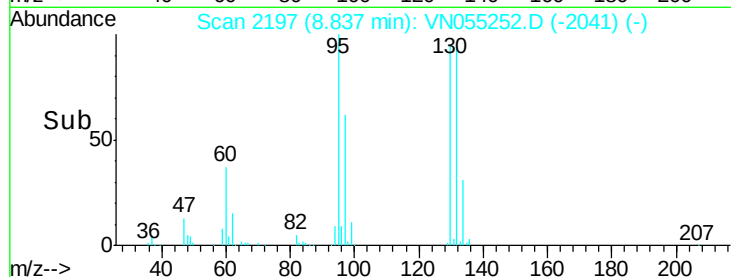
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 46.910 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

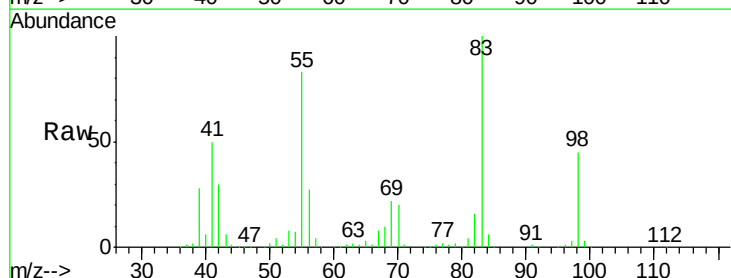
Tgt Ion: 83 Resp: 316086

Ion Ratio Lower Upper

83 100

55 83.9 43.8 131.4

98 44.6 22.4 67.2



Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

200000

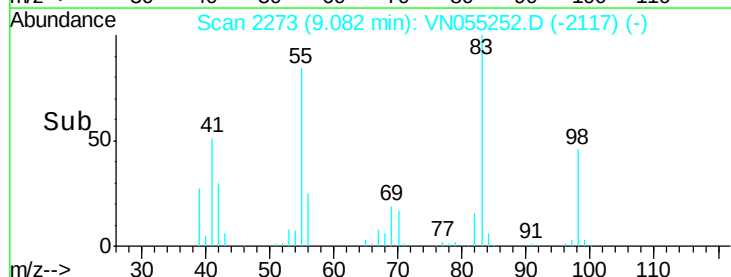
150000

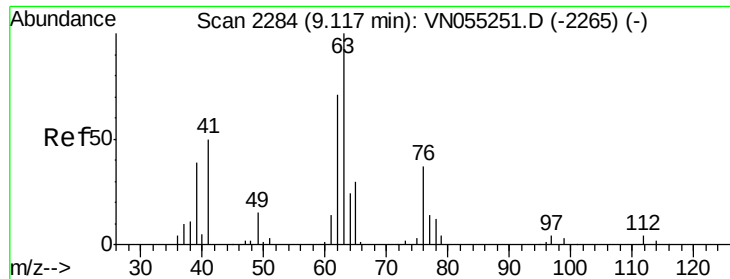
100000

50000

0

Time-->





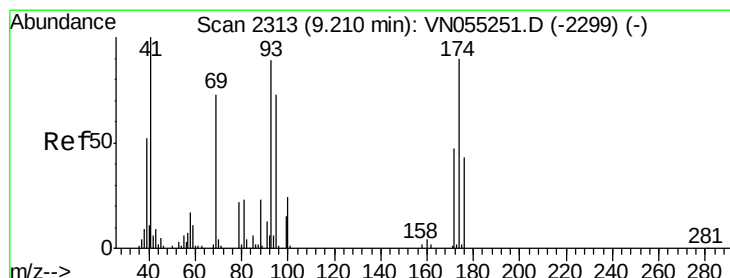
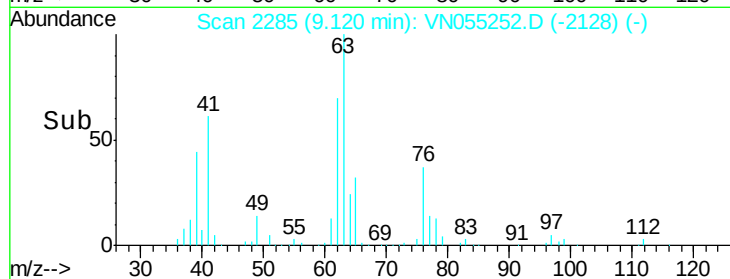
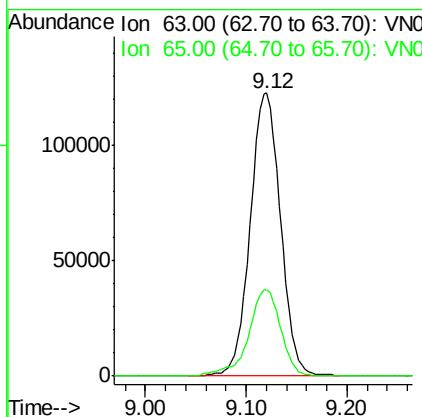
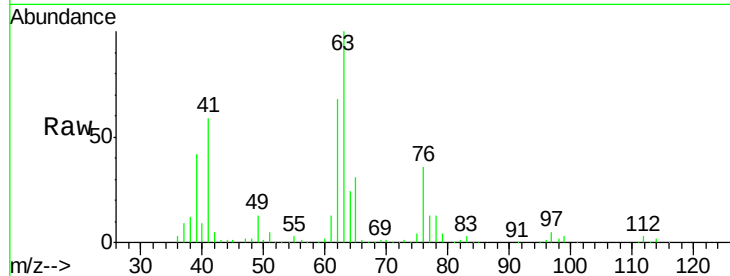
#39
 1,2-Dichloropropane
 Concen: 51.794 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.6	36.8

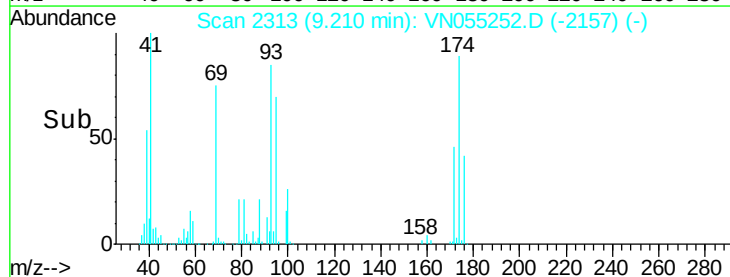
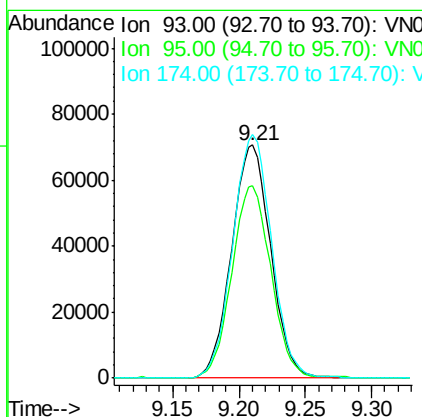
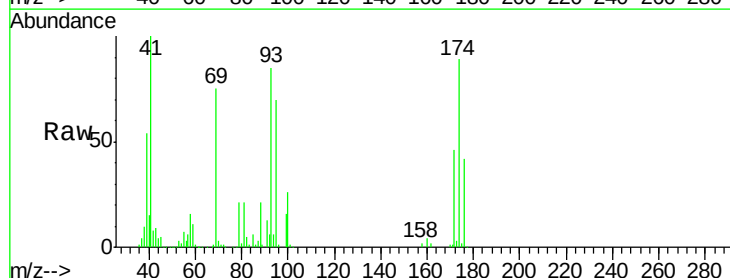
Manual Integrations
 APPROVED

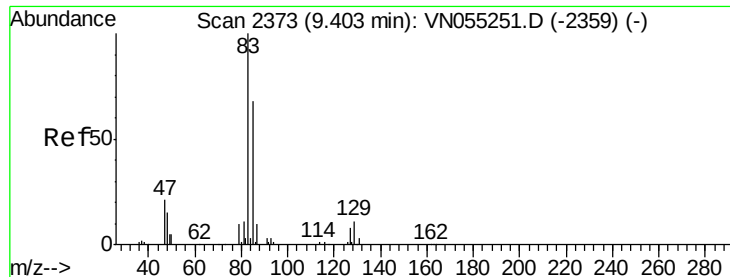
MMDadoda
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#40
 Dibromomethane
 Concen: 51.816 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	0.0	164.8
174	104.0	0.0	203.4





#41

Bromodichloromethane

Concen: 52.091 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

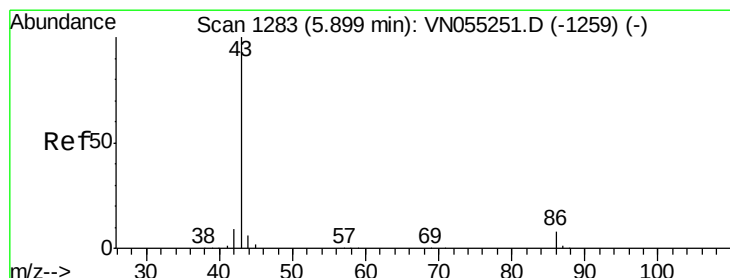
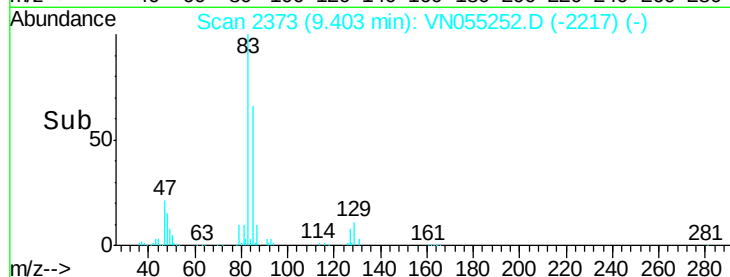
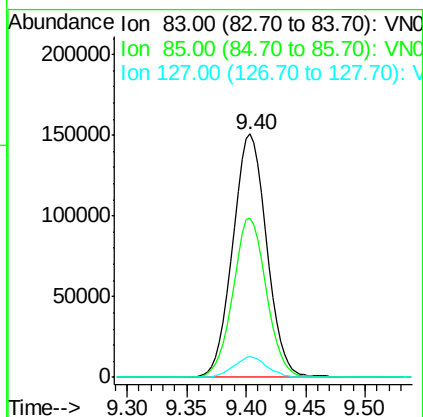
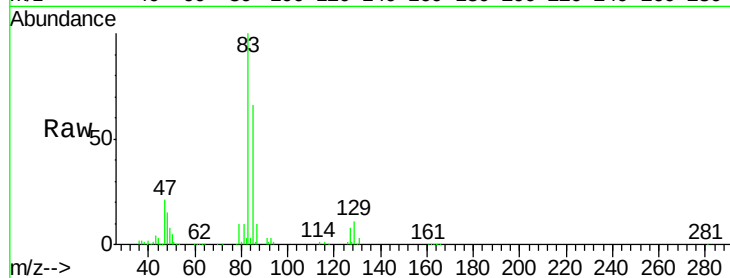
ClientSampleId :

VSTDIC050

Tot Ion:	83	Resp:	298708
Ion Ratio	Lower	Upper	
83	100		
85	65.5	54.5	81.7
127	8.4	6.4	9.6

Manual Integrations
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#42

Vinyl Acetate

Concen: 282.083 ug/l

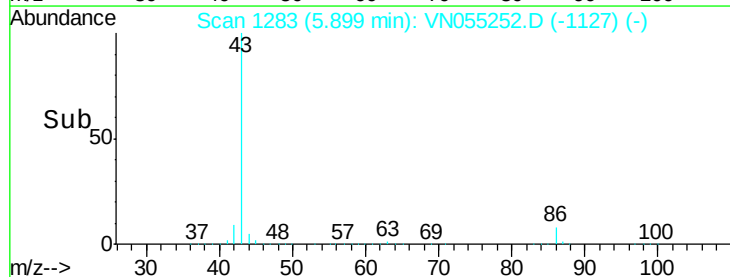
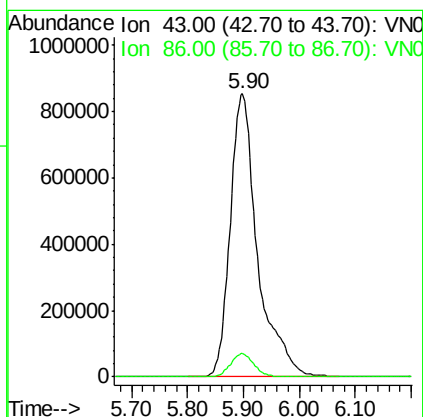
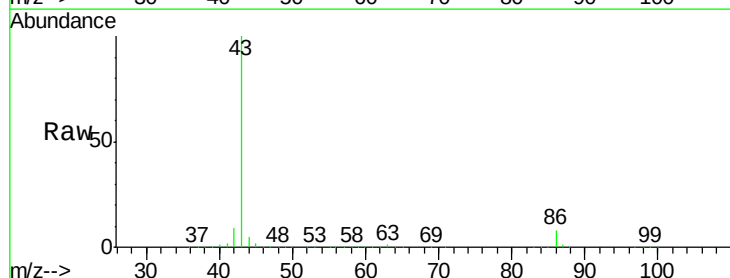
RT: 5.90 min Scan# 1283

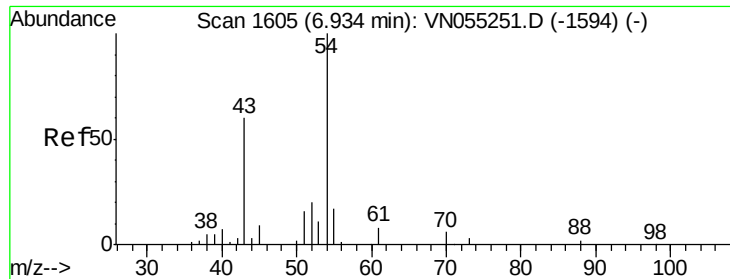
Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Tgt Ion:	43	Resp:	2911805
Ion Ratio	Lower	Upper	
43	100		
86	7.2	5.7	8.5





#43

Ethyl Acetate

Concen: 56.638 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 43 Resp: 244275

Ion Ratio Lower Upper

43 100

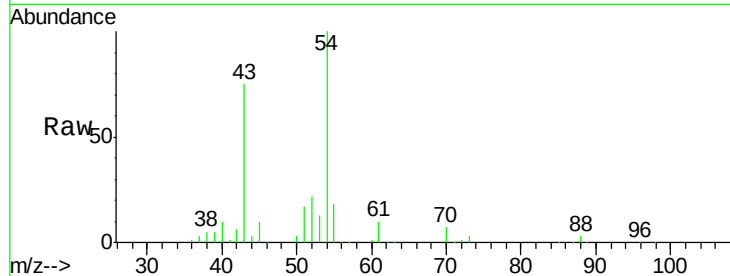
45 13.8 9.6 14.4

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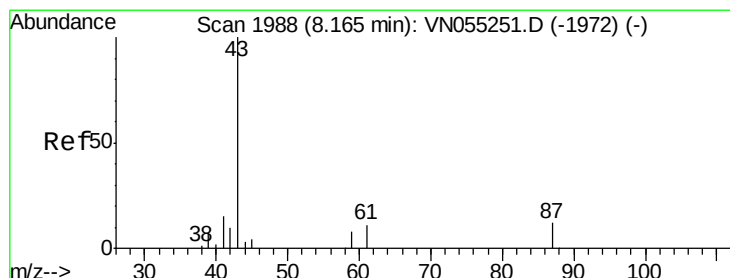
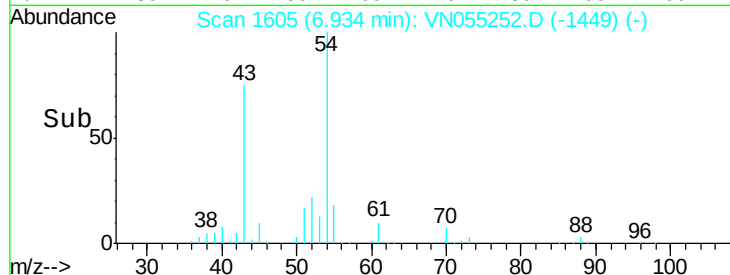
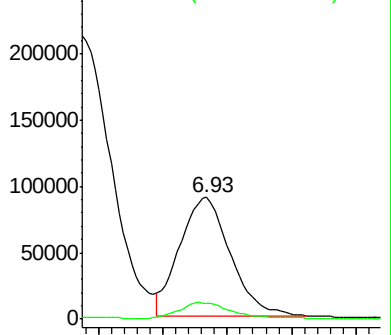
MMdadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 60.720 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055252.D

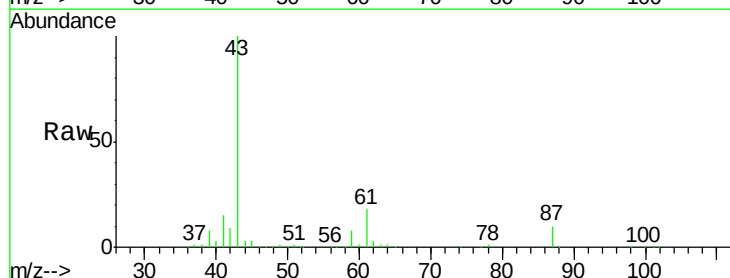
Acq: 25 Apr 2019 18:50

Tgt Ion: 43 Resp: 450387

Ion Ratio Lower Upper

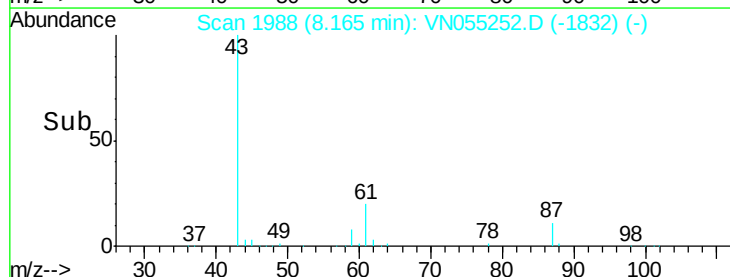
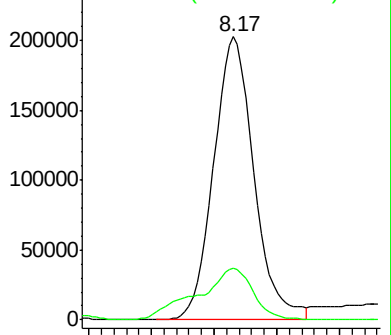
43 100

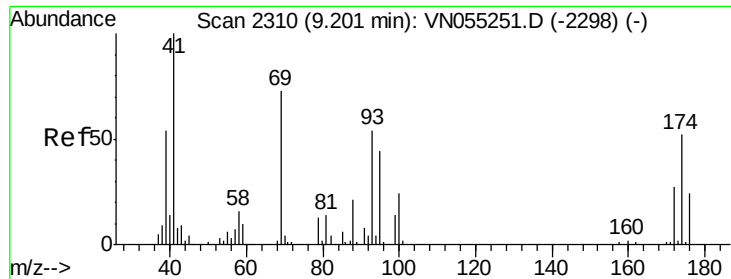
61 25.3 12.6 18.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#45

1,4-Dioxane

Concen: 1159.664 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

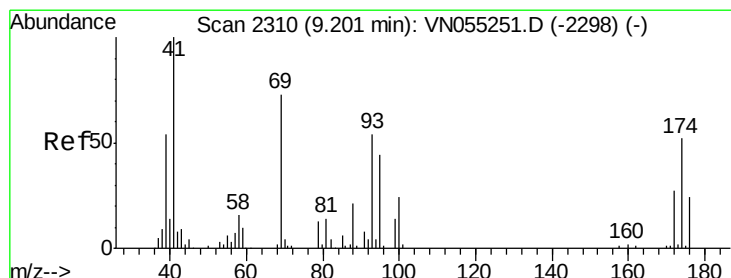
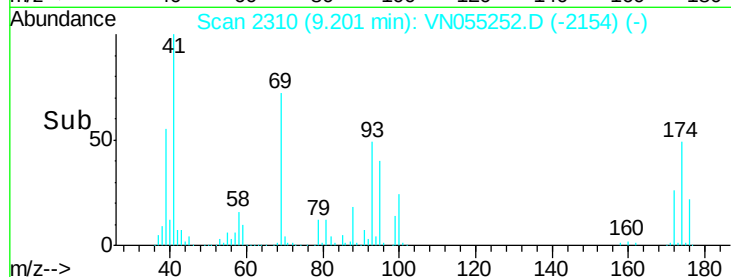
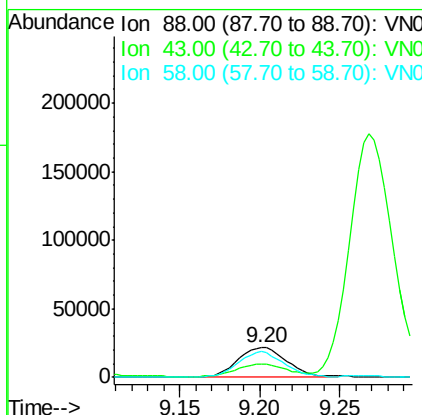
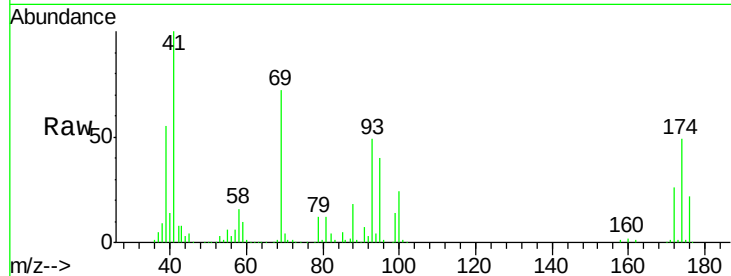
ClientSampleId :

VSTDIC050

Tot Ion:	88	Resp:	46478
Ion	Ratio	Lower	Upper
88	100		
43	42.5	29.4	44.0
58	80.2	62.4	93.6

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#46

Methyl methacrylate

Concen: 58.264 ug/l

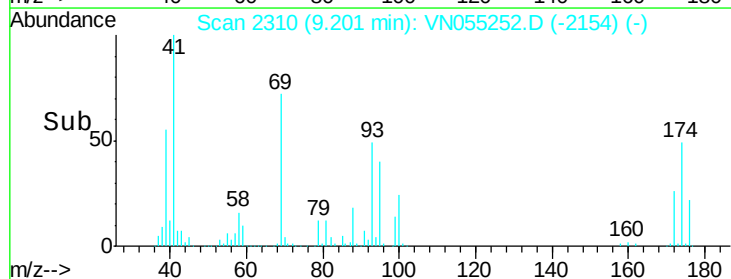
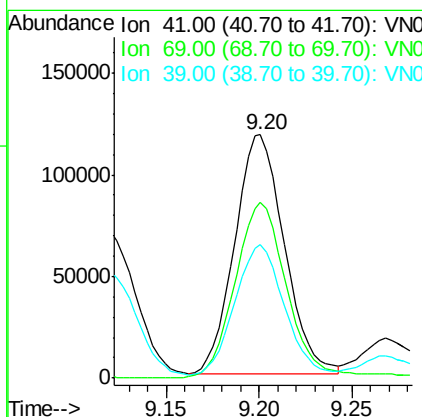
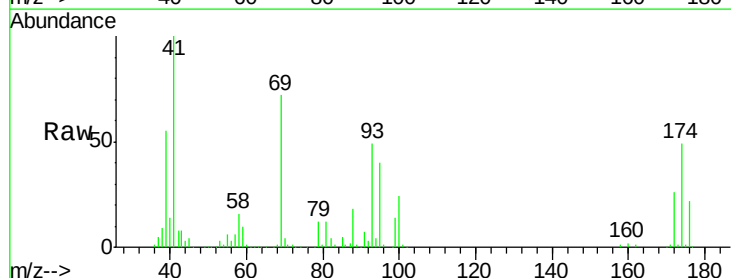
RT: 9.20 min Scan# 2310

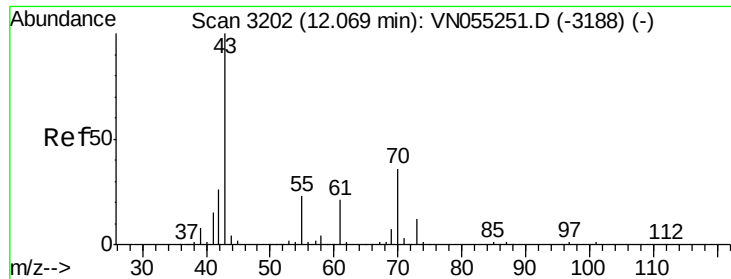
Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Tgt Ion:	41	Resp:	218341
Ion	Ratio	Lower	Upper
41	100		
69	73.3	36.4	109.3
39	54.6	26.9	80.7





#47

n-amvl Acetate

Concen: 63.580 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 43 Resp: 338009

Ion Ratio Lower Upper

43 100

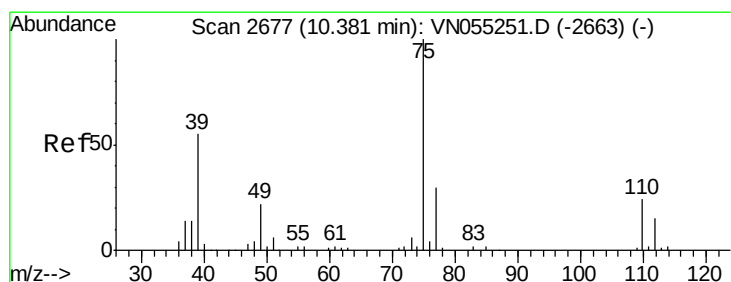
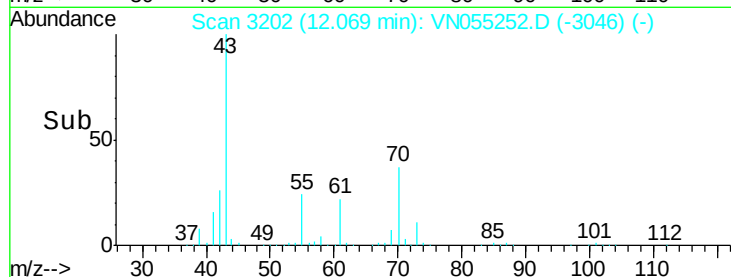
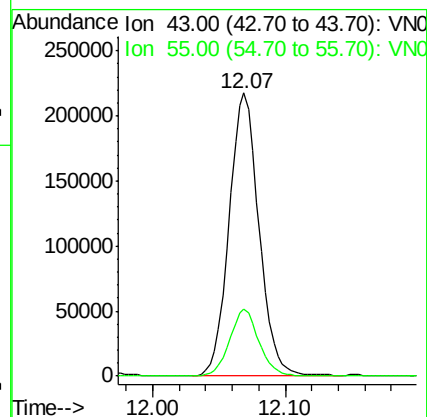
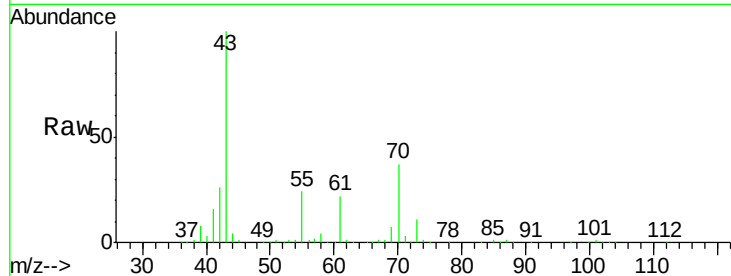
55 23.4 18.1 27.1

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#48

t-1,3-Dichloropropene

Concen: 55.916 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055252.D

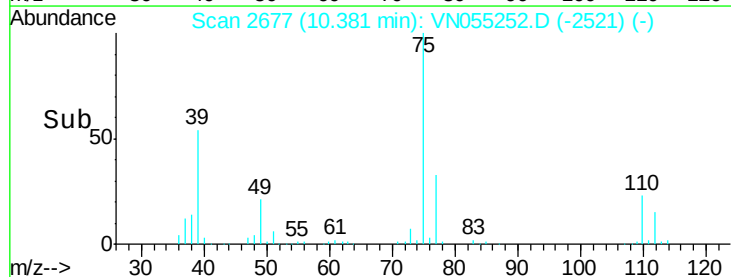
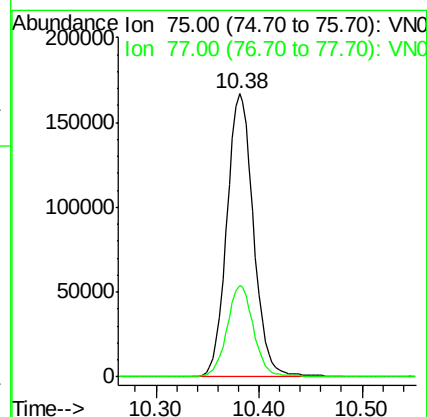
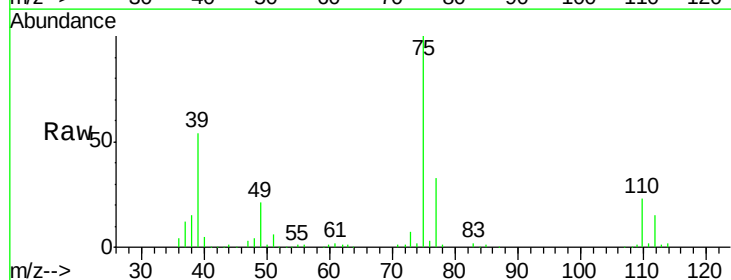
Acq: 25 Apr 2019 18:50

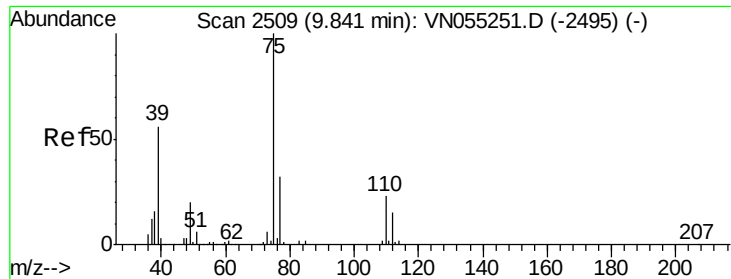
Tgt Ion: 75 Resp: 301380

Ion Ratio Lower Upper

75 100

77 32.4 23.9 35.9





#49

cis-1,3-Dichloropropene

Concen: 52.909 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

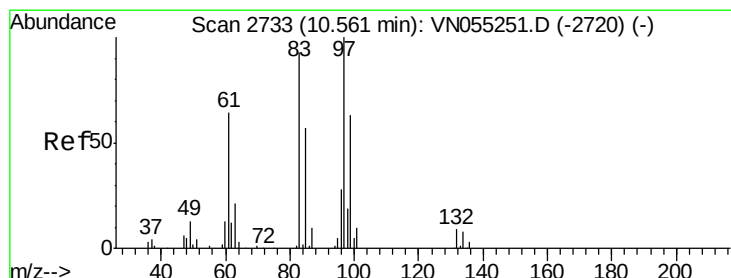
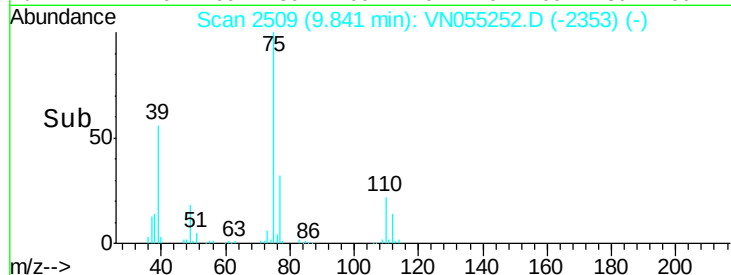
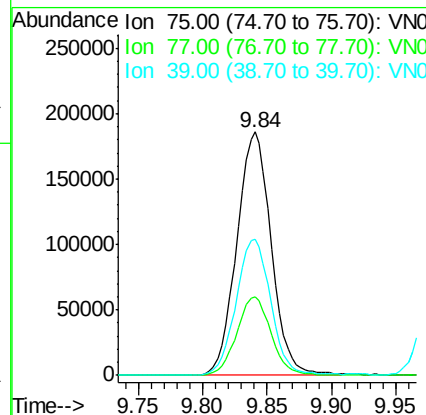
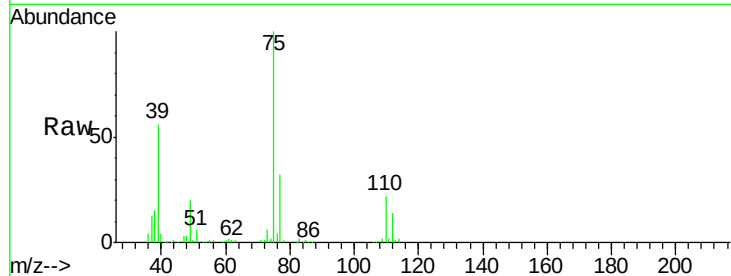
ClientSampleId :

VSTDIC050

Tot Ion:	75	Resp:	345673
Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.9	38.9
39	55.9	45.0	67.6

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#50

1,1,2-Trichloroethane

Concen: 53.012 ug/l

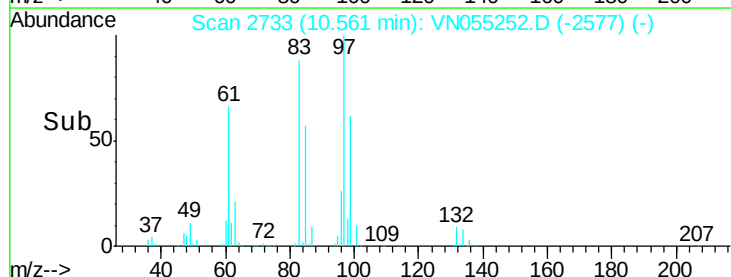
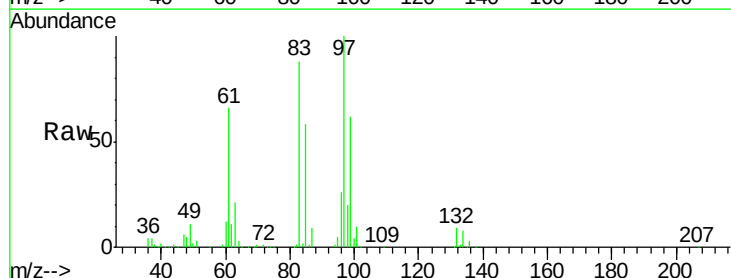
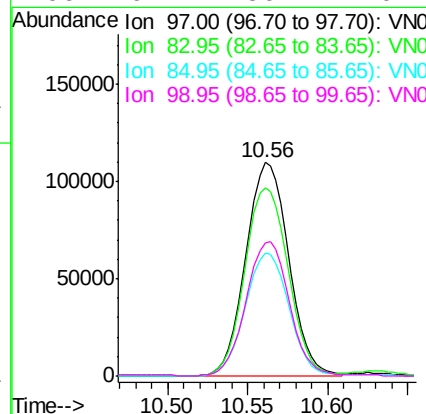
RT: 10.56 min Scan# 2733

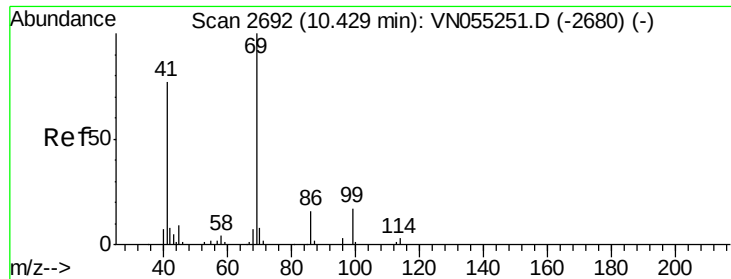
Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Tgt Ion:	97	Resp:	201863
Ion	Ratio	Lower	Upper
97	100		
83	88.3	74.6	111.8
85	57.6	45.4	68.2
99	62.1	50.7	76.1





#51

Ethyl methacrylate

Concen: 58.475 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

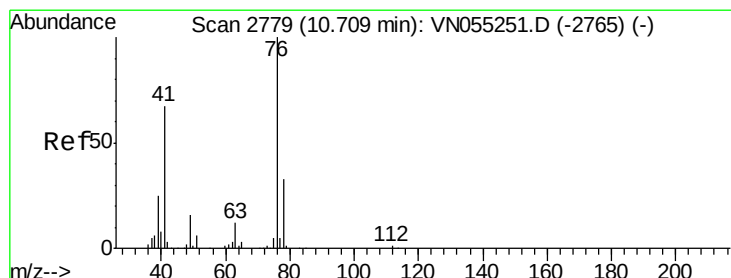
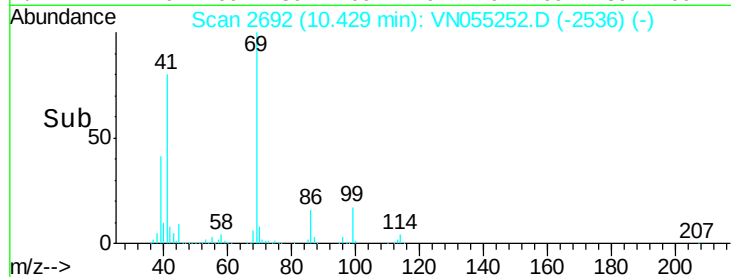
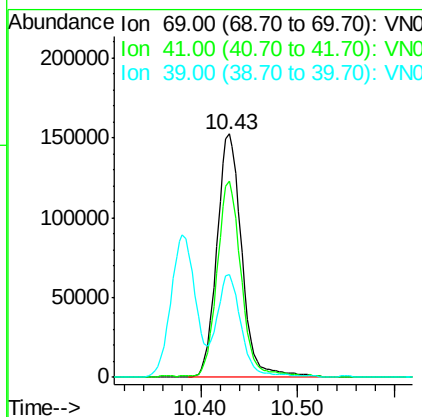
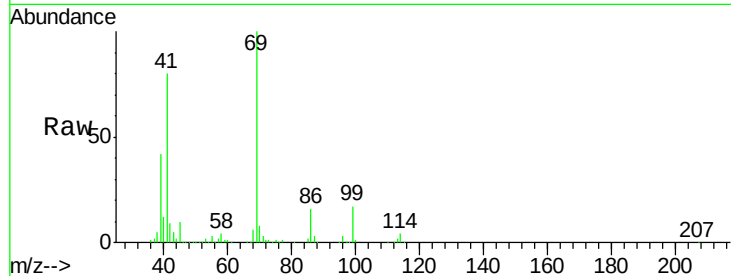
ClientSampleId :

VSTDIC050

Tot Ion:	69	Resp:	272890
Ion	Ratio	Lower	Upper
69	100		
41	80.2	38.7	116.1
39	41.6	19.9	59.6

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#52

1,3-Dichloropropane

Concen: 53.148 ug/l

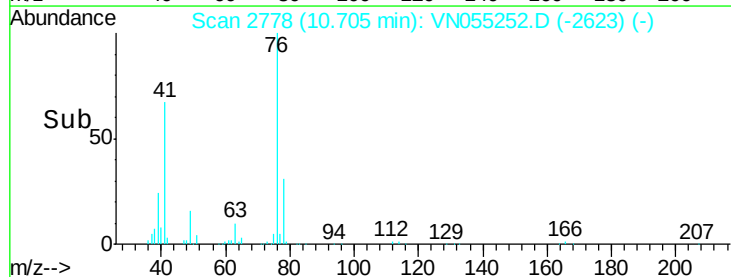
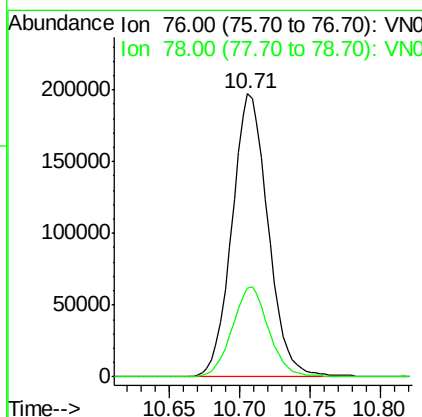
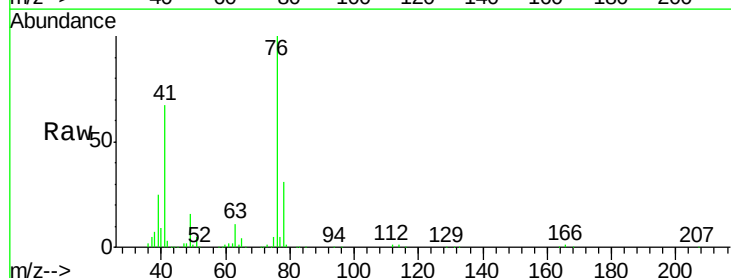
RT: 10.71 min Scan# 2778

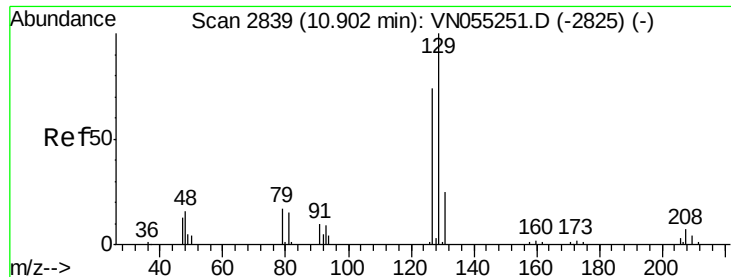
Delta R.T. -0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Tgt Ion:	76	Resp:	353768
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.0





#53

Dibromochloromethane

Concen: 53.004 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:129 Resp: 207876

Ion Ratio Lower Upper

129 100

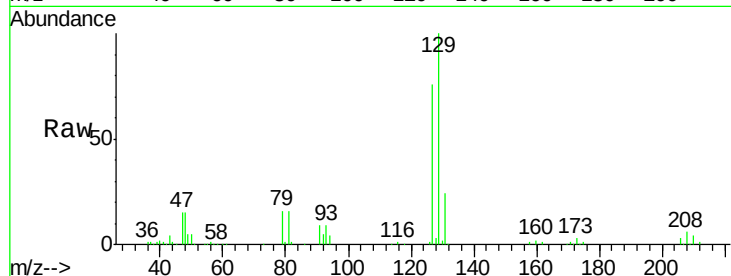
127 77.0 38.8 116.3

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

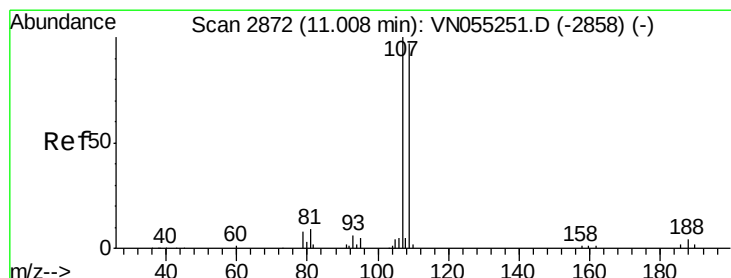
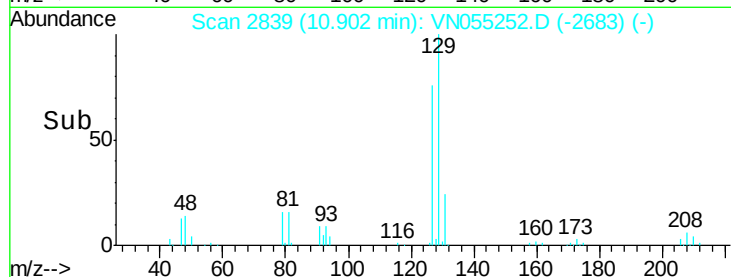
10.90

100000

50000

0

Time--> 10.80 10.90 11.00



#54

1,2-Dibromoethane

Concen: 54.754 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055252.D

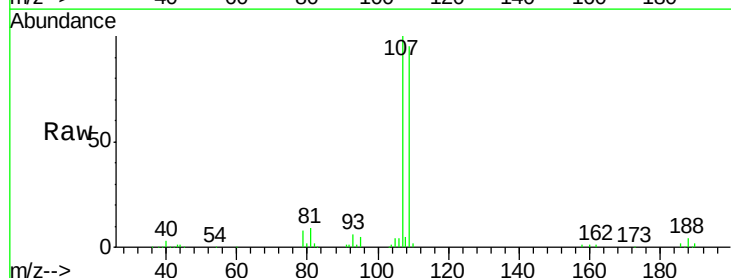
Acq: 25 Apr 2019 18:50

Tgt Ion:107 Resp: 197273

Ion Ratio Lower Upper

107 100

109 94.2 75.2 112.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.01

120000

100000

80000

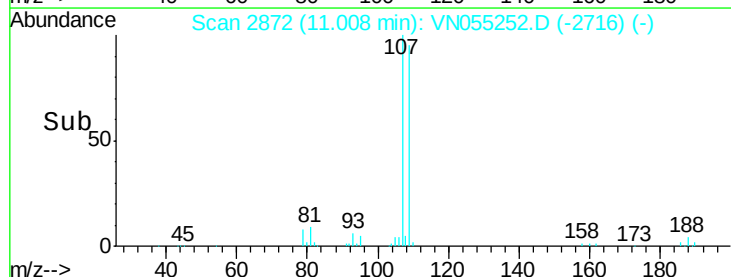
60000

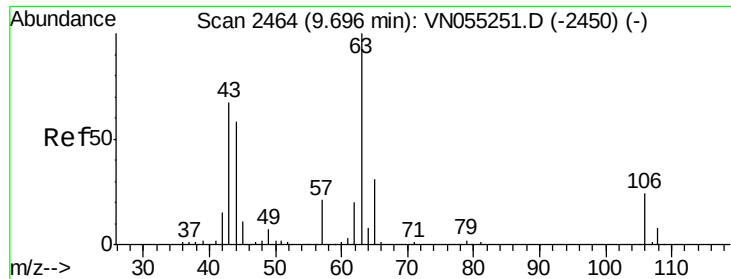
40000

20000

0

Time--> 10.95 11.00 11.05 11.10





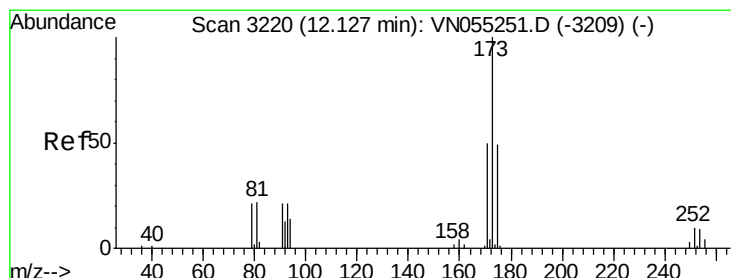
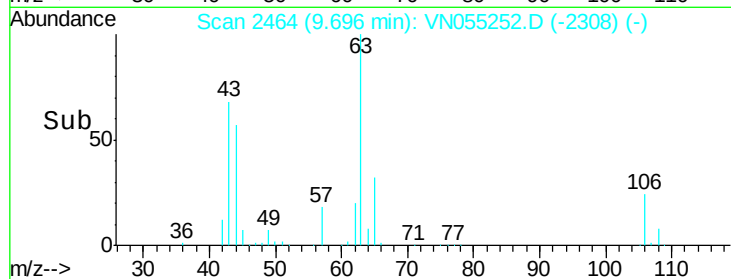
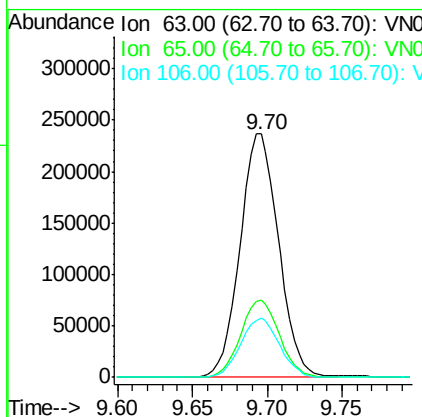
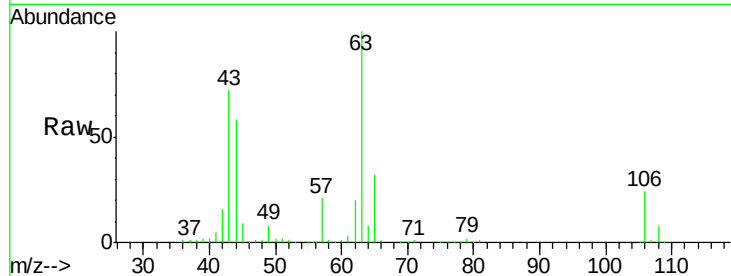
#55
 2-Chloroethyl vinyl ether
 Concen: 235.896 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	25.1	37.7
106	24.5	19.4	29.0

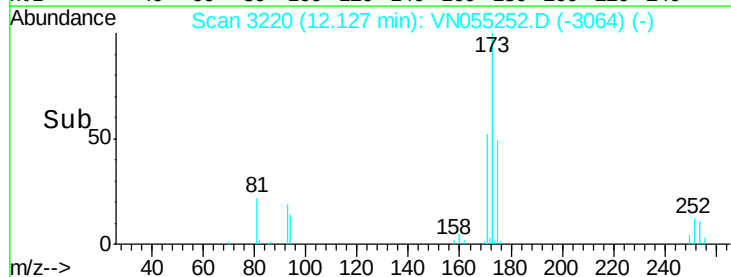
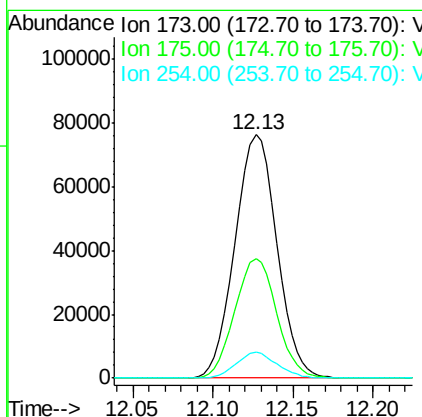
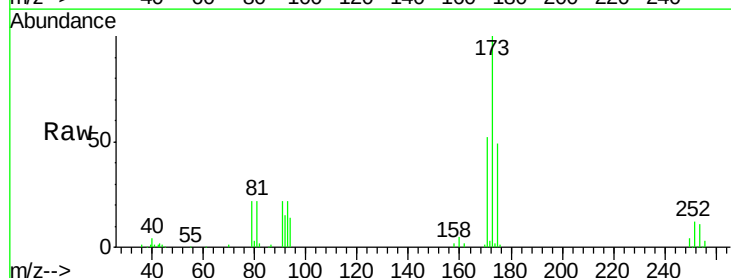
Manual Integrations
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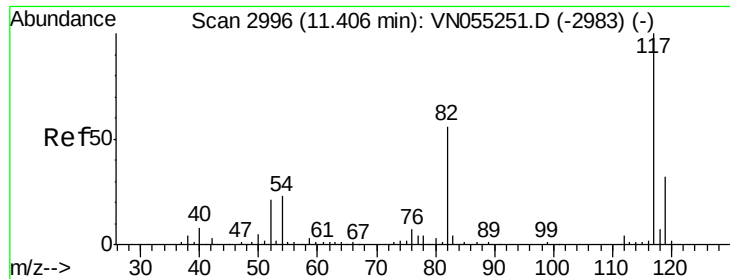
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 4/26/2019 10:52:46 AM



#56
 Bromoform
 Concen: 54.464 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	37.7	56.5
254	10.3	7.8	11.6





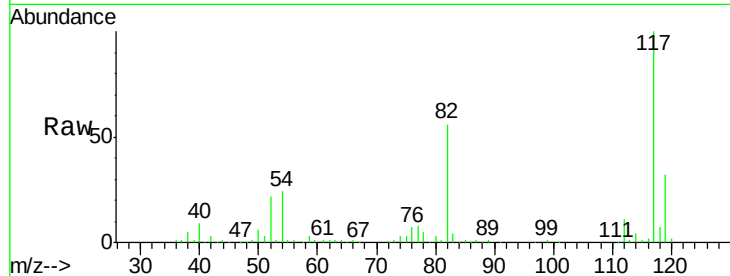
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.3	67.9
119	32.9	25.4	38.0

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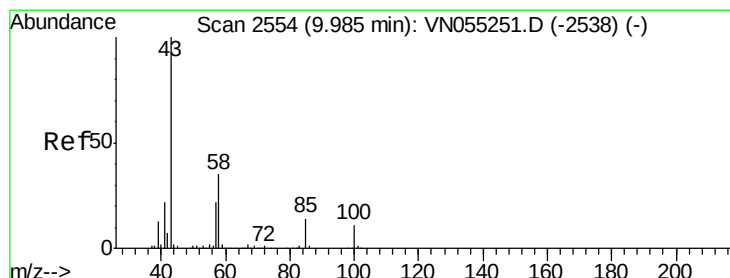
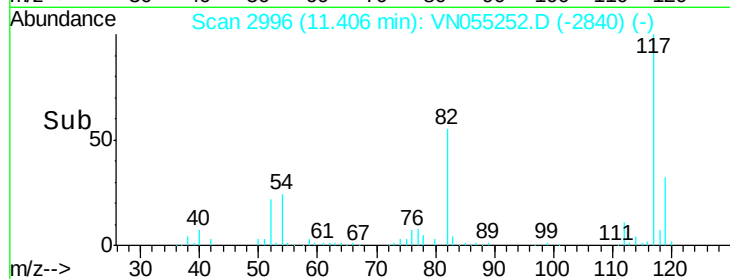
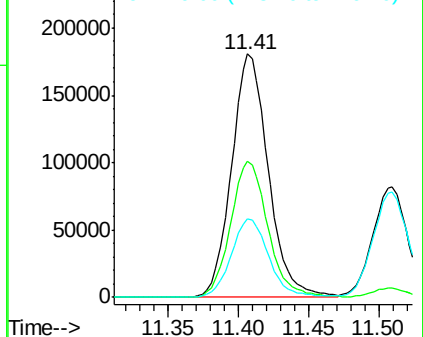


Abundance

Ion 117.00 (116.70 to 117.70): V

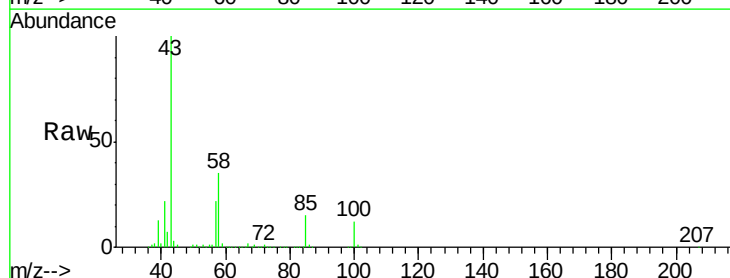
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 313.380 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.5	28.6	43.0
85	14.4	11.4	17.2

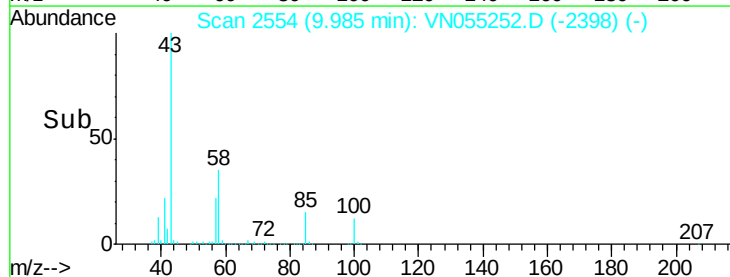
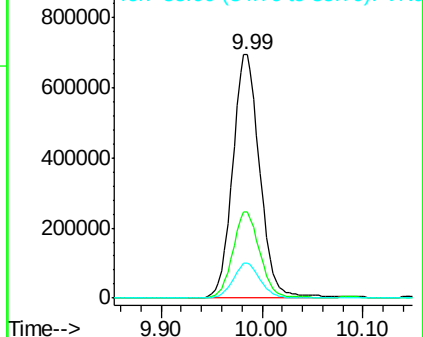


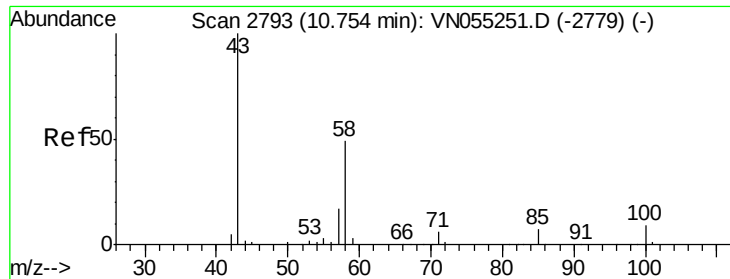
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





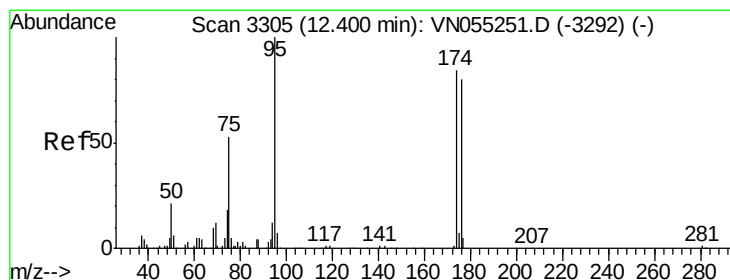
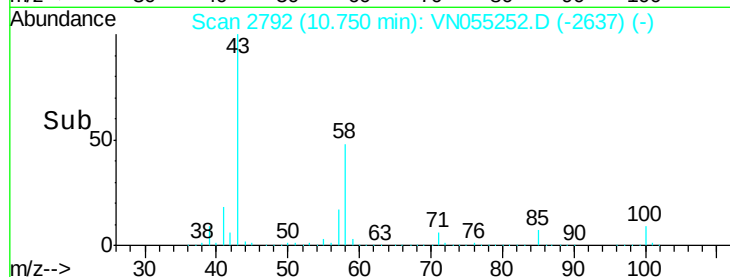
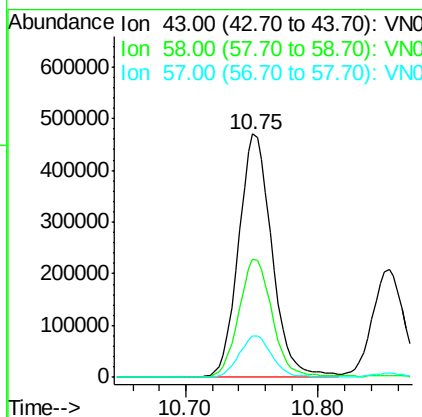
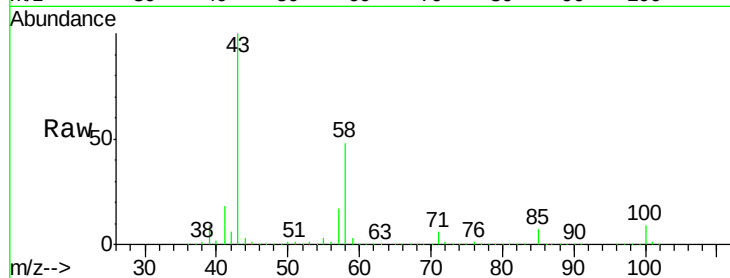
#59
2-Hexanone
Concen: 313.689 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	39.0	58.6
57	17.0	13.4	20.2

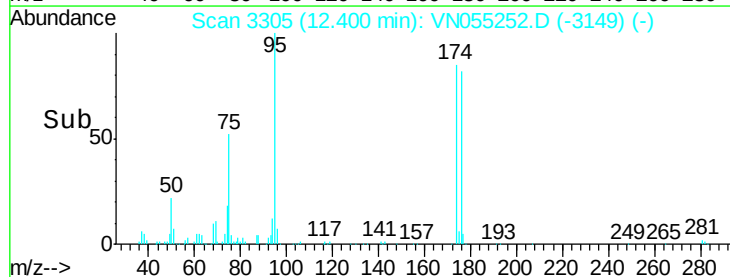
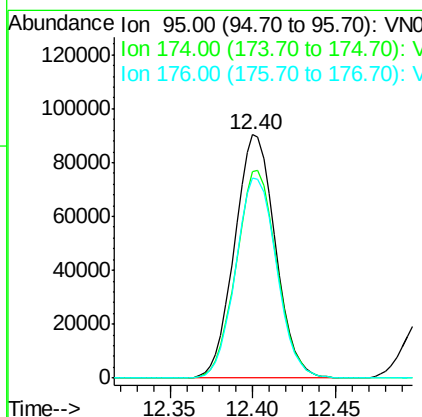
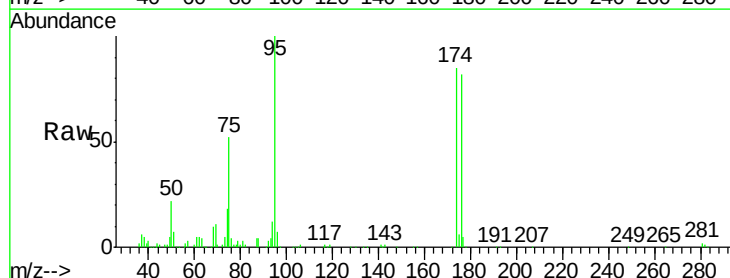
Manual Integrations
APPROVED

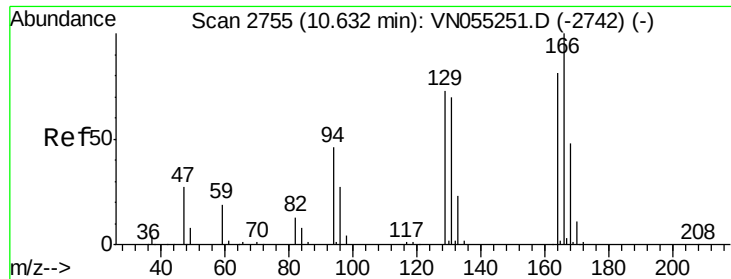
MMdadoda
4/26/2019 10:52:46 AM



#60
4-Bromofluorobenzene
Concen: 30.257 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.2	68.1	102.1
176	82.7	65.8	98.6





#61

Tetrachloroethene

Concen: 48.378 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:164 Resp: 209606

Ion Ratio Lower Upper

164 100

166 127.3 98.6 147.8

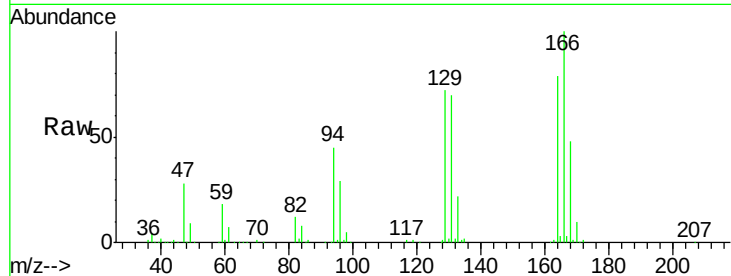
129 92.2 72.4 108.6

131 89.3 69.2 103.8

Manual Integrations
APPROVED

MMDadoda

4/26/2019 10:52:46 AM

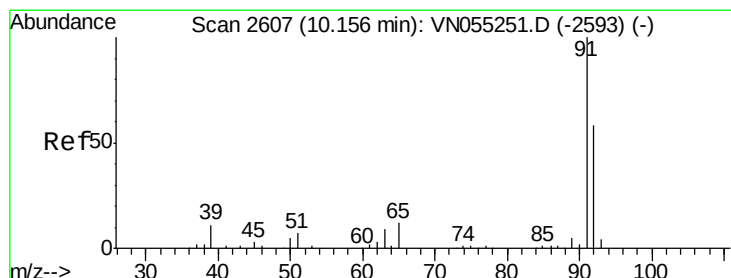
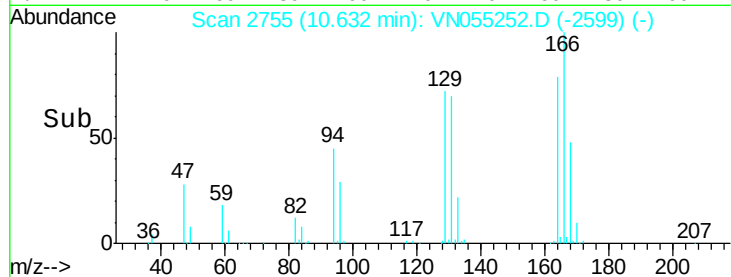
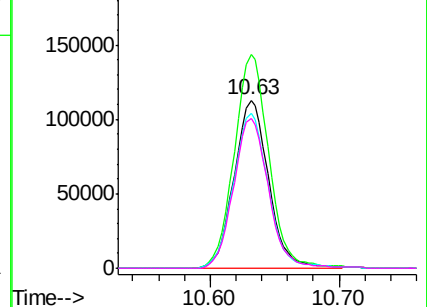


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 50.267 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055252.D

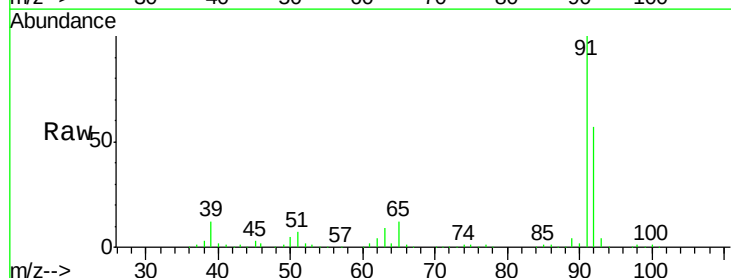
Acq: 25 Apr 2019 18:50

Tgt Ion: 91 Resp: 924076

Ion Ratio Lower Upper

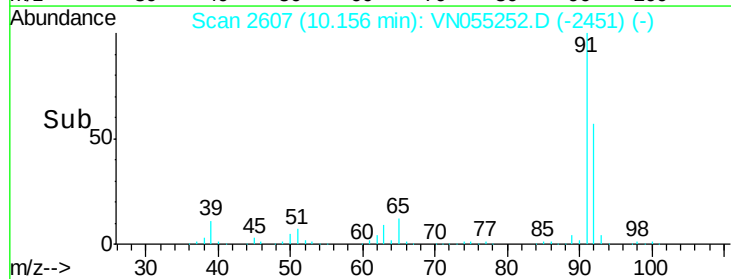
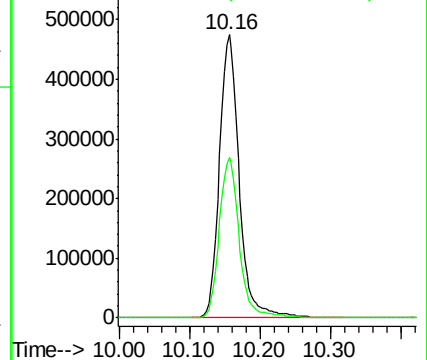
91 100

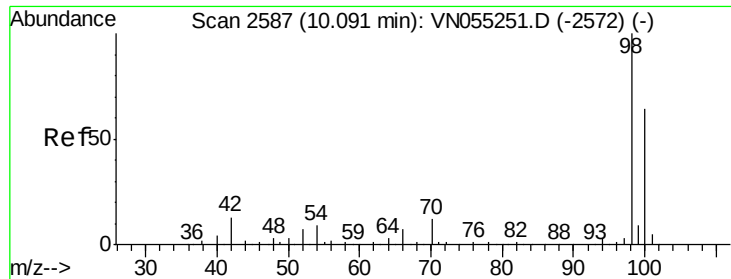
92 57.3 44.3 66.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





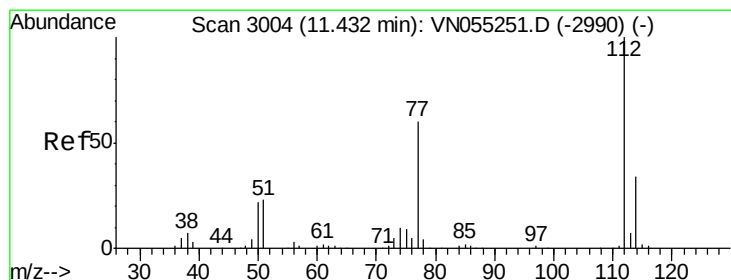
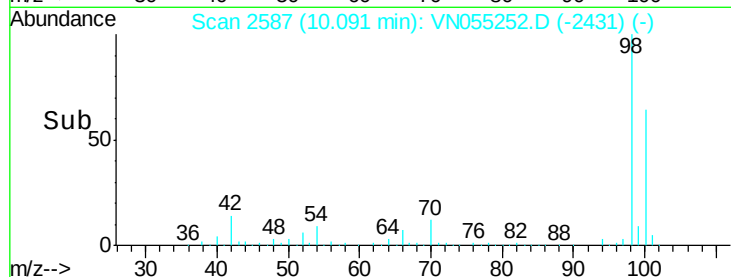
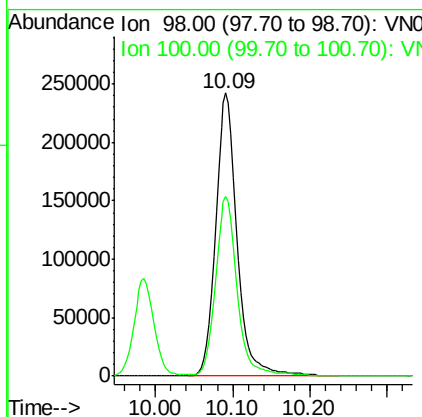
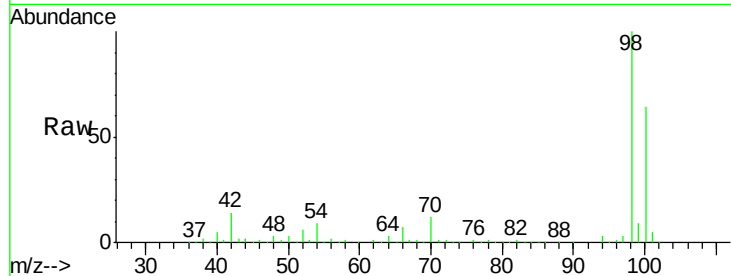
#63
Toluene-d8
Concen: 30.122 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion: 98 Resp: 472397
Ion Ratio Lower Upper
98 100
100 62.6 50.0 75.0

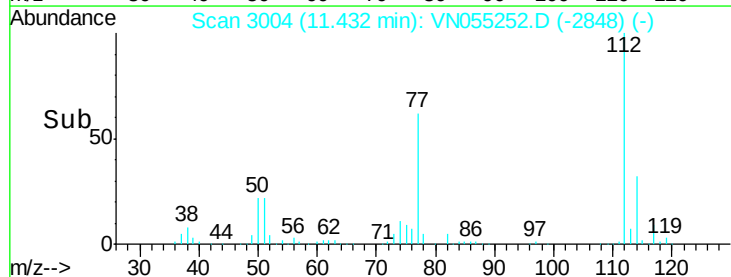
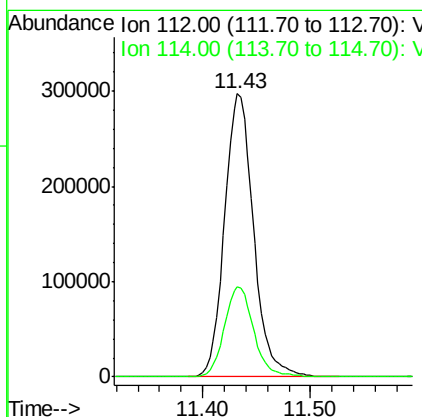
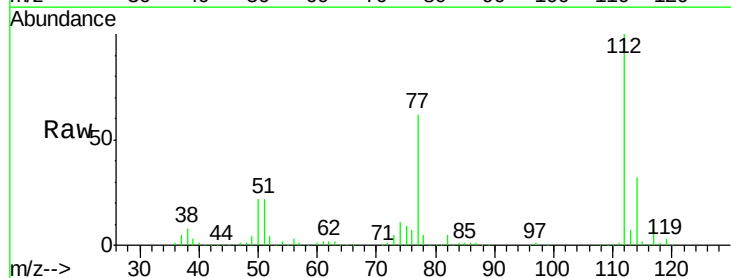
Manual Integrations
APPROVED

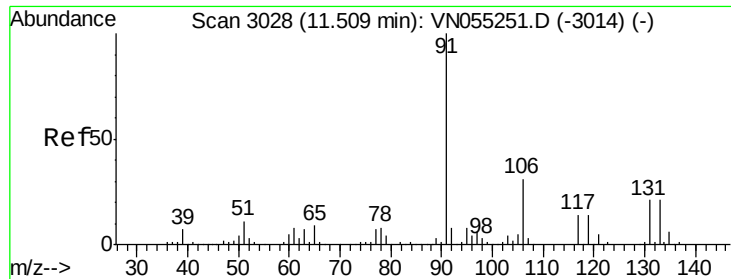
MMdadoda
4/26/2019 10:52:46 AM



#64
Chlorobenzene
Concen: 50.434 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion: 112 Resp: 556486
Ion Ratio Lower Upper
112 100
114 31.9 26.9 40.3





#65

1,1,1,2-Tetrachloroethane

Concen: 51.485 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:131 Resp: 204888

Ion Ratio Lower Upper

131 100

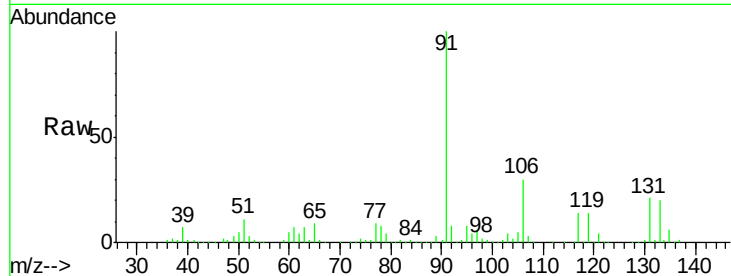
133 96.8 0.0 195.6

119 66.3 0.0 135.0

Manual Integrations
APPROVED

MMdadoda

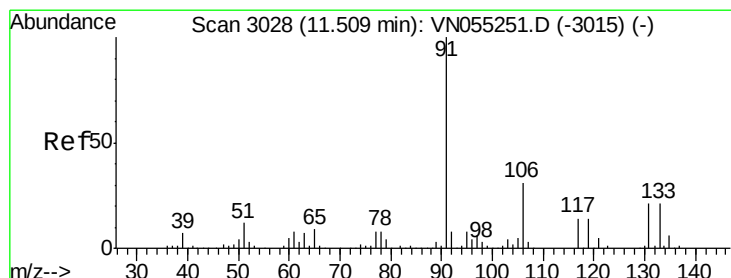
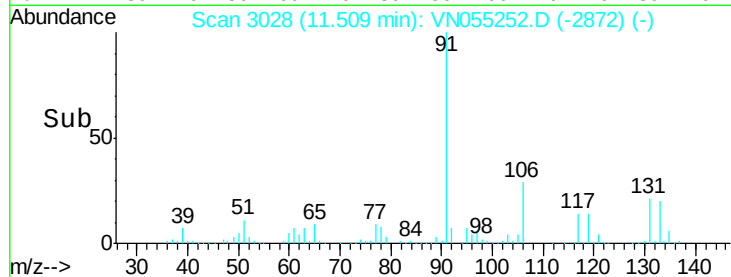
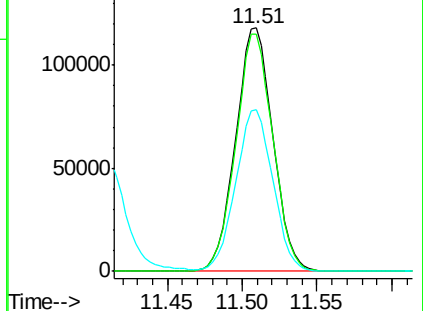
4/26/2019 10:52:46 AM



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 50.235 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055252.D

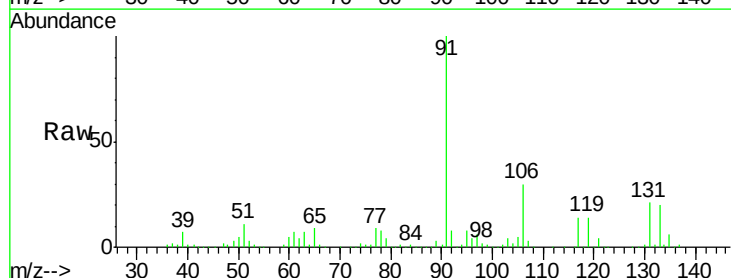
Acq: 25 Apr 2019 18:50

Tgt Ion: 91 Resp: 986757

Ion Ratio Lower Upper

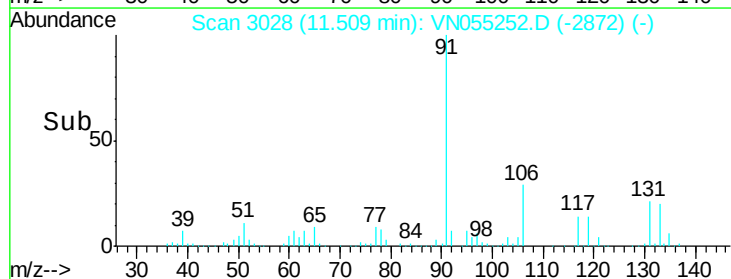
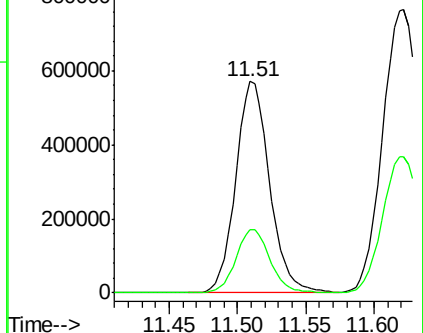
91 100

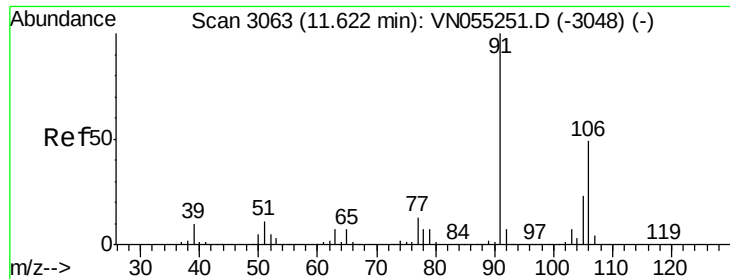
106 30.1 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





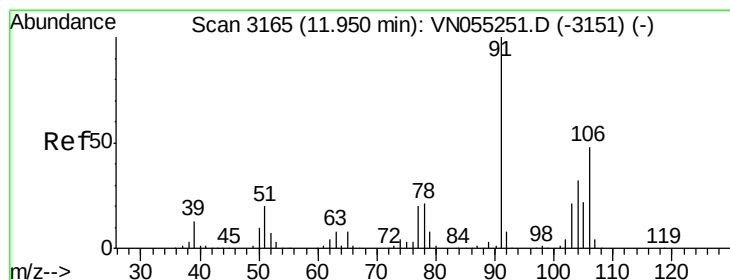
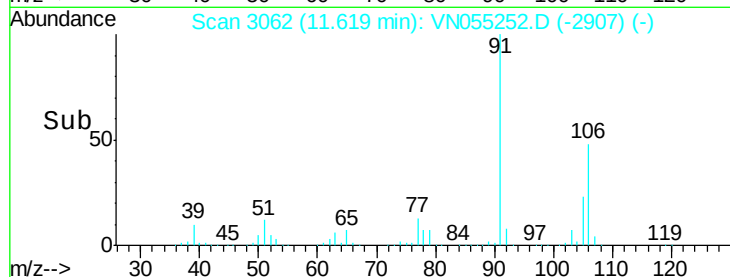
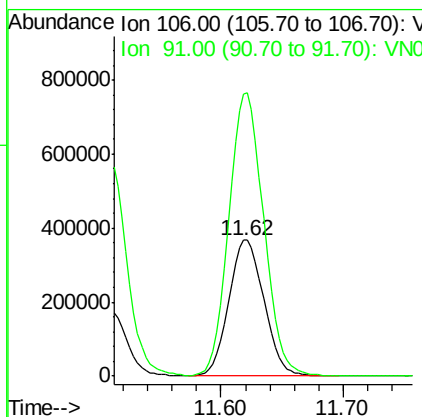
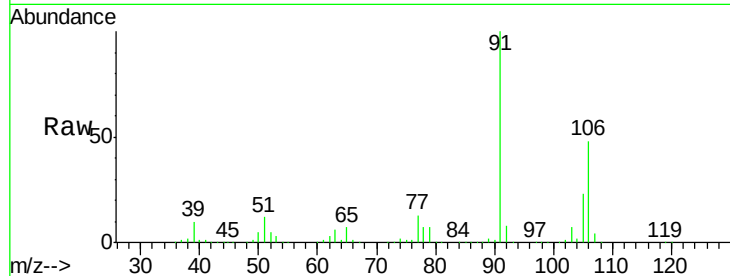
#67
m/p-Xylenes
Concen: 101.224 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion:106 Resp: 737615
Ion Ratio Lower Upper
106 100
91 206.0 165.4 248.2

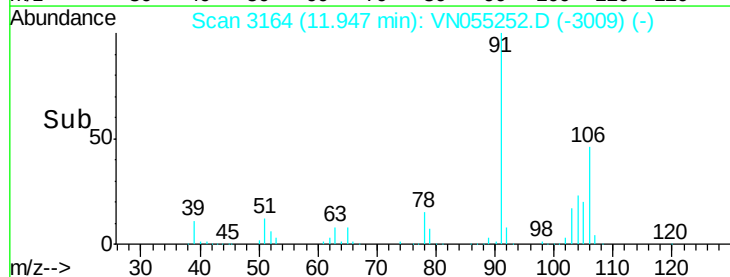
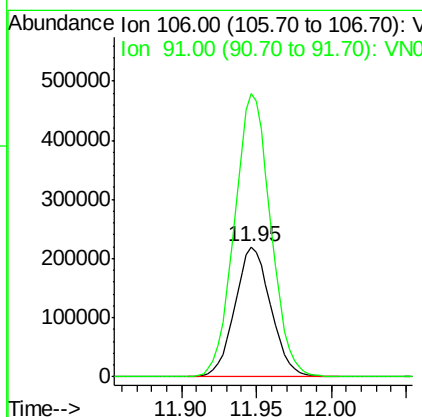
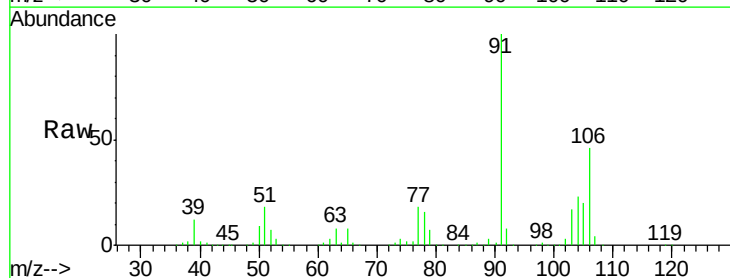
Manual Integrations
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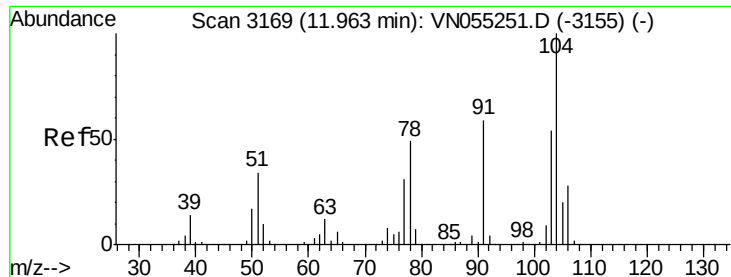
MMdadoda
4/26/2019 10:52:46 AM



#68
o-Xylene
Concen: 50.568 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion:106 Resp: 366848
Ion Ratio Lower Upper
106 100
91 219.9 106.8 320.4





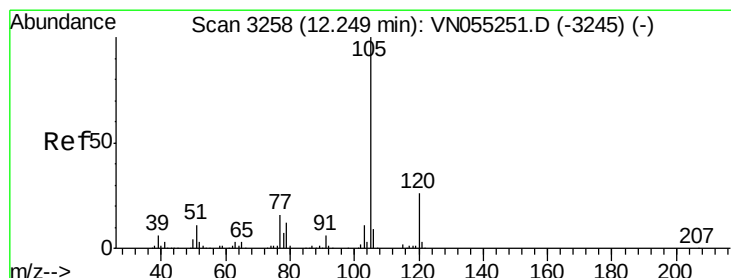
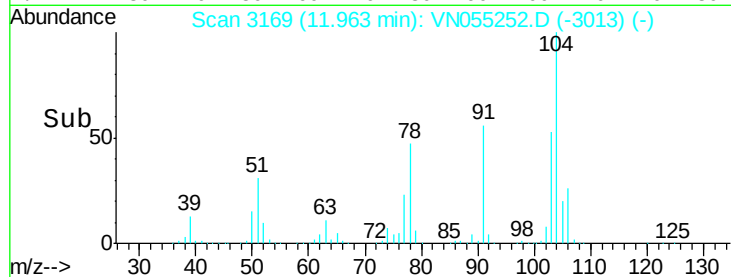
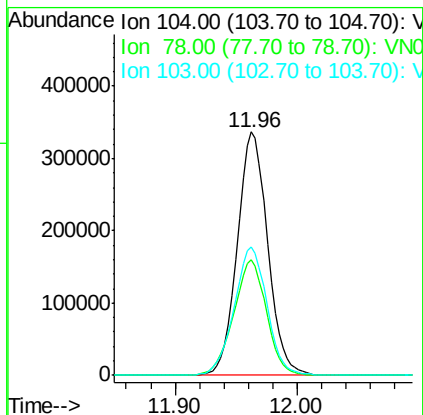
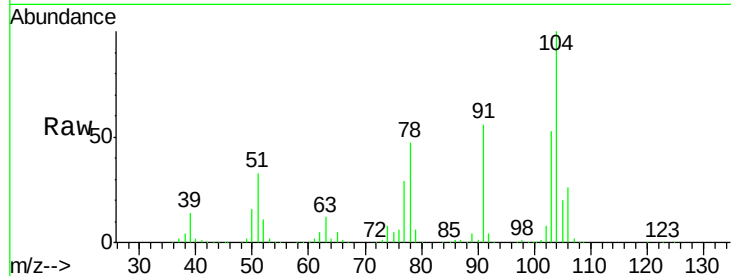
#69
Stvrene
Concen: 51.741 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.6	42.4	63.6
103	57.2	45.3	67.9

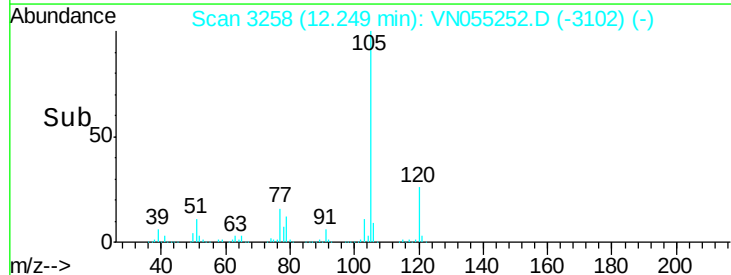
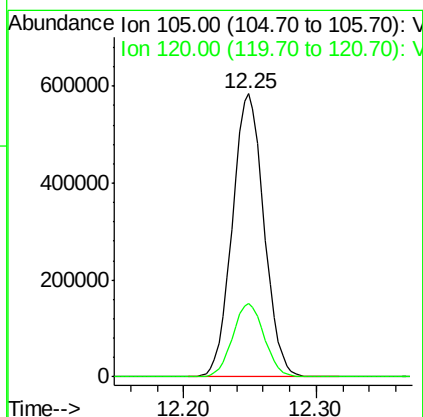
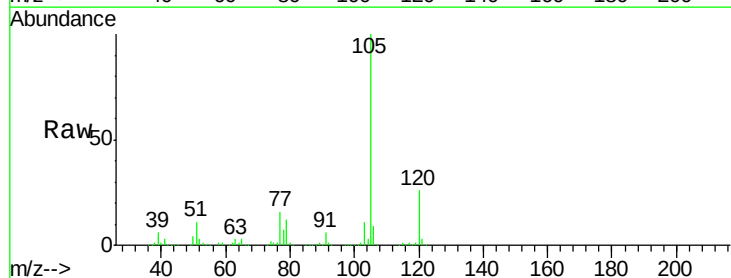
Manual Integrations
APPROVED

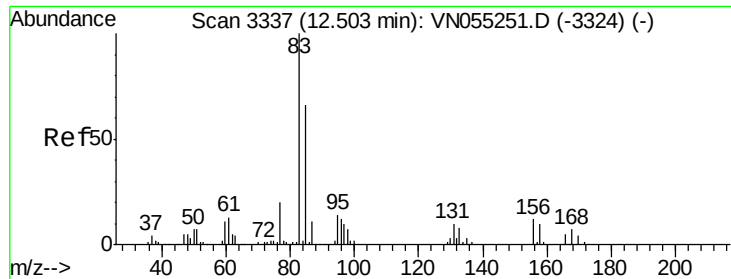
MMdadoda
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#70
Isopropylbenzene
Concen: 50.245 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	18.1	33.7





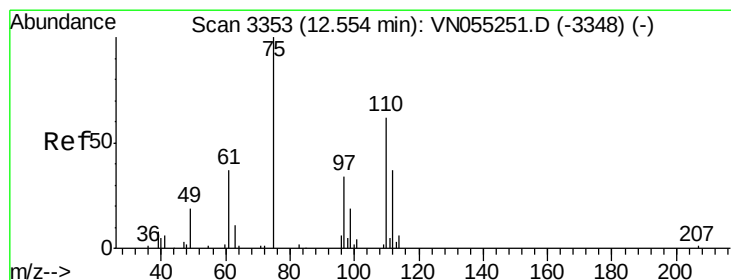
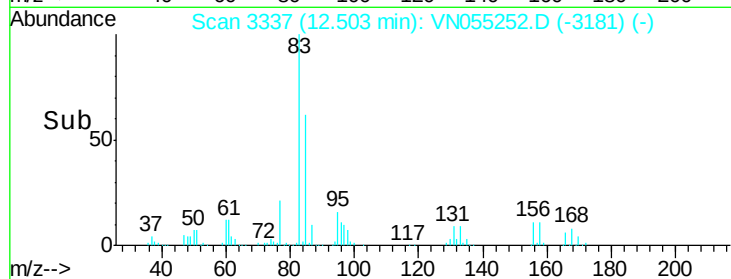
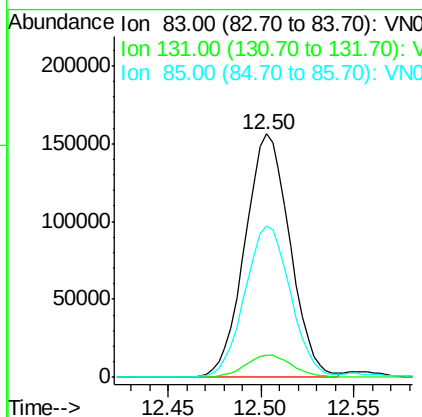
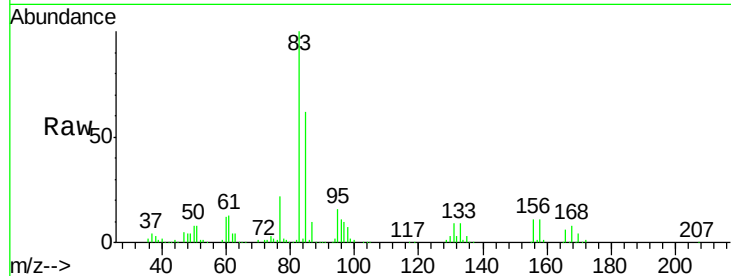
#71
 1,1,2,2-Tetrachloroethane
 Concen: 57.429 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	83	Resp	263148
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	63.1	32.3	96.8

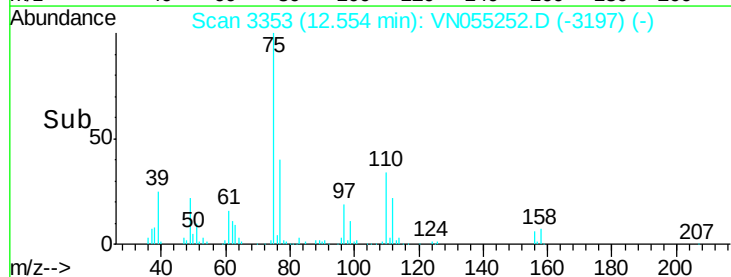
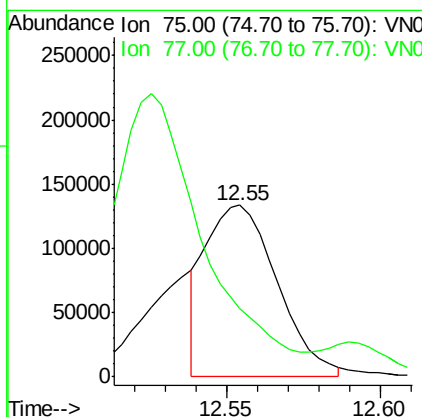
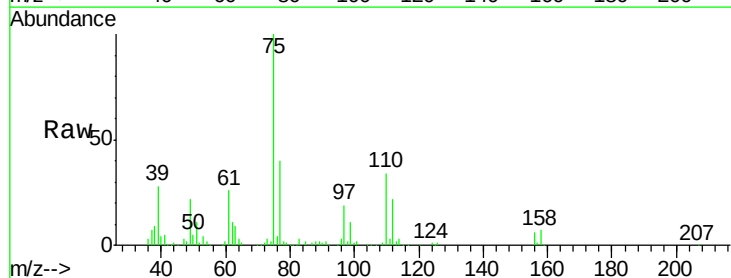
Manual Integrations
 APPROVED

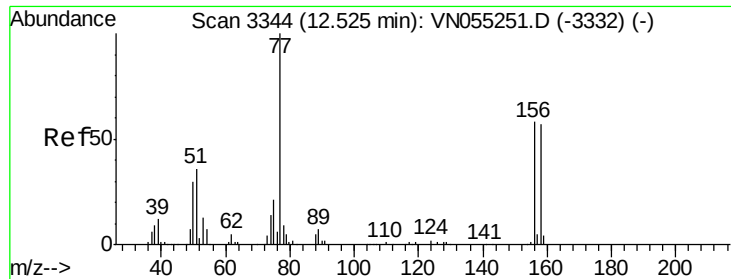
MMDadoda
 4/26/2019 10:52:46 AM



#72
 1,2,3-Trichloropropane
 Concen: 57.350 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	75	Resp	216717
Ion Ratio	Lower	Upper	
75	100		
77	214.5	0.0	410.2





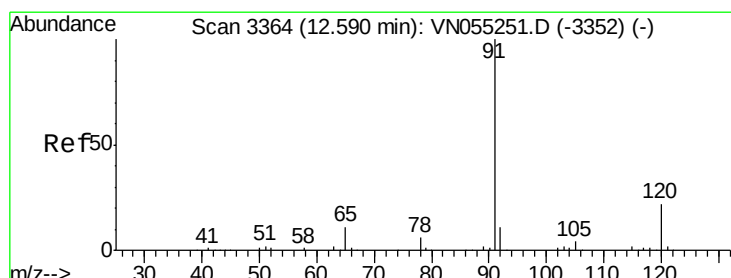
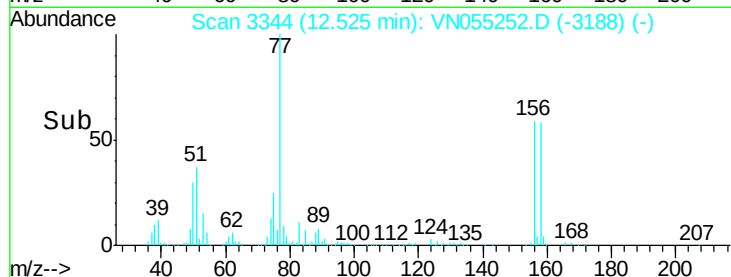
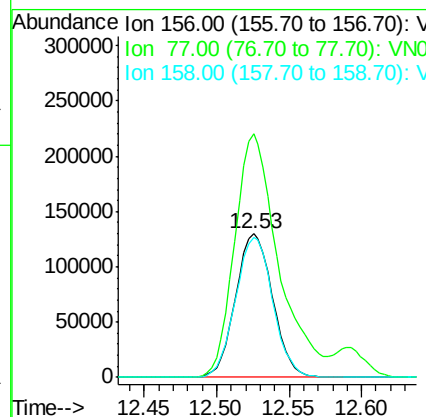
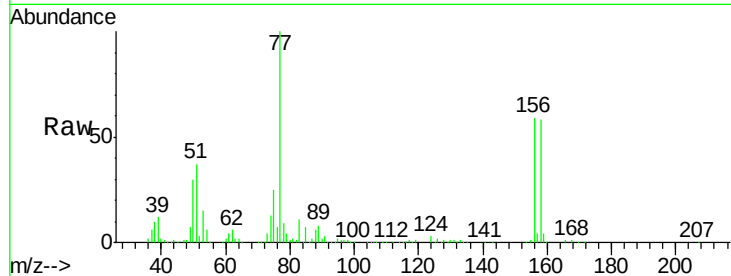
#73
Bromobenzene
Concen: 50.800 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	201.3	0.0	403.2
158	98.1	0.0	195.8

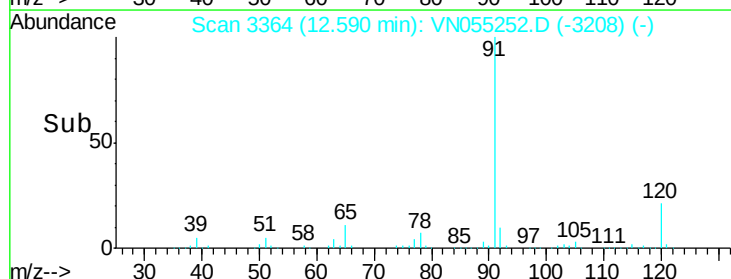
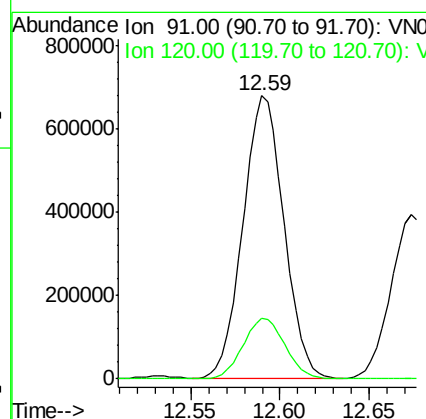
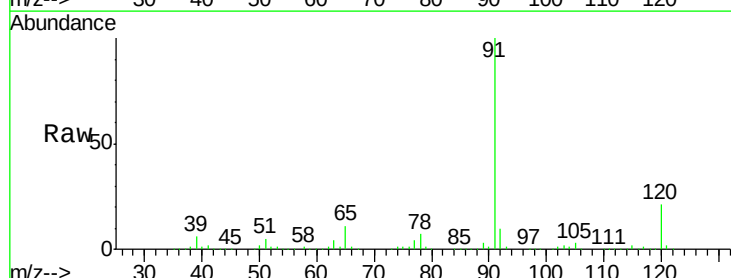
Manual Integrations
APPROVED

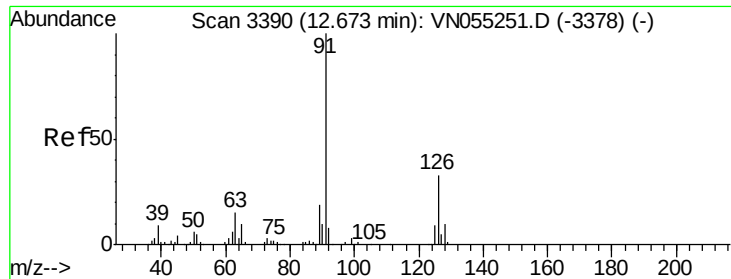
MMdadoda
4/26/2019 10:52:46 AM



#74
n-propylbenzene
Concen: 50.958 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	0.0	43.6





#75

2-Chlorotoluene

Concen: 50.716 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC050

Tot Ion: 91 Resp: 659537

Ion Ratio Lower Upper

91 100

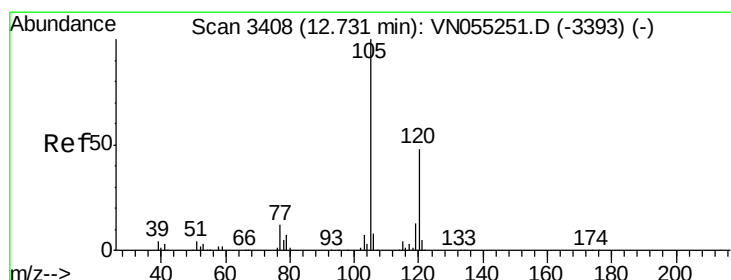
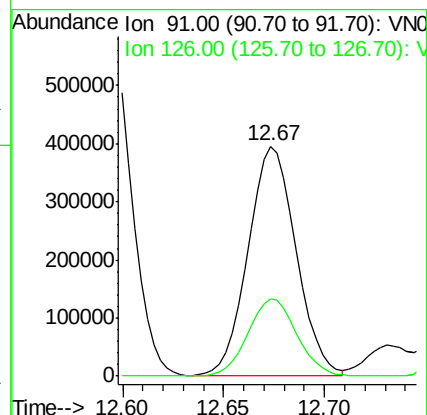
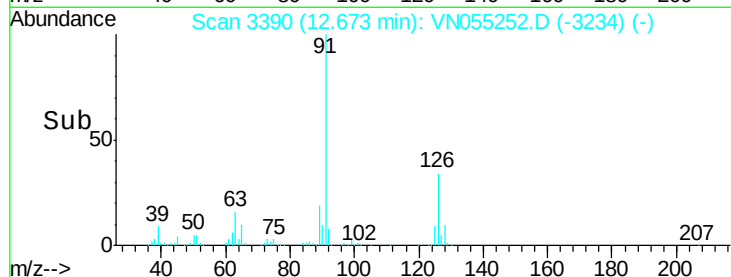
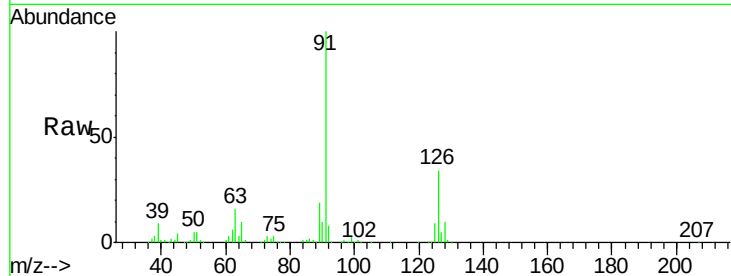
126 34.1 0.0 65.8

Manual Integrations

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MMdadoda

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#76

1,3,5-Trimethylbenzene

Concen: 51.278 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055252.D

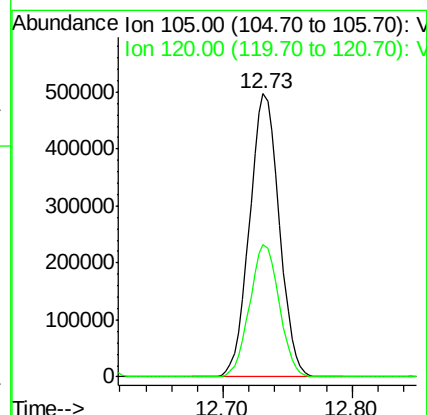
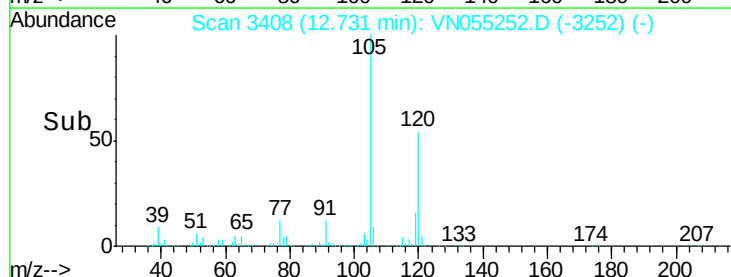
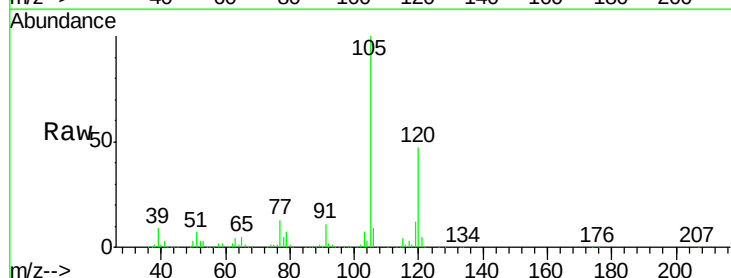
Acq: 25 Apr 2019 18:50

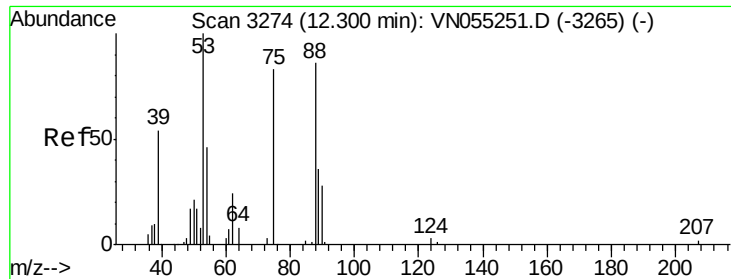
Tgt Ion: 105 Resp: 796347

Ion Ratio Lower Upper

105 100

120 46.8 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 62.742 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion: 75 Resp: 61219

Ion Ratio Lower Upper

75 100

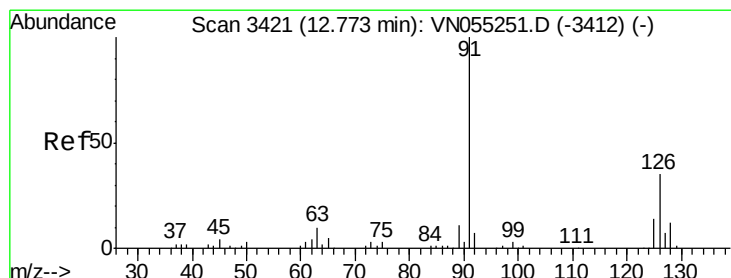
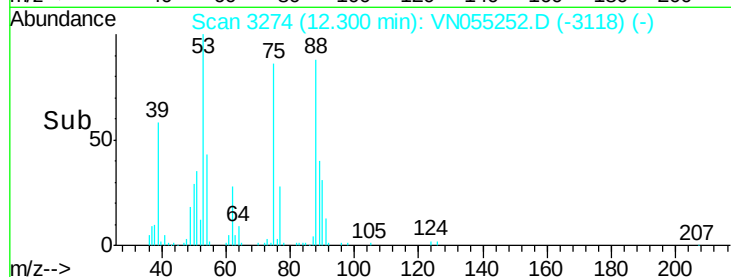
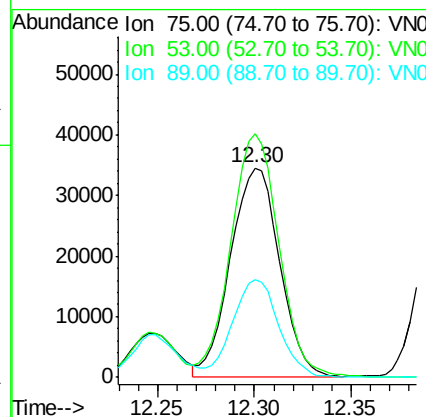
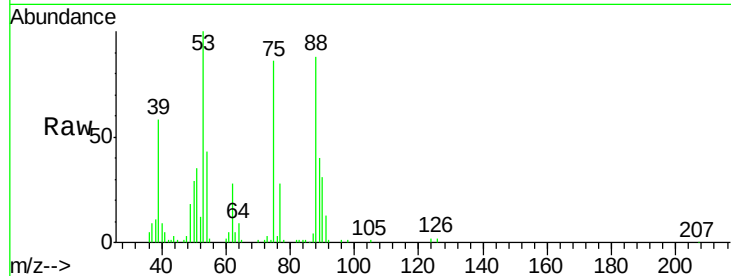
53 115.5 59.5 178.5

89 46.8 23.1 69.2

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#78

4-Chlorotoluene

Concen: 51.704 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055252.D

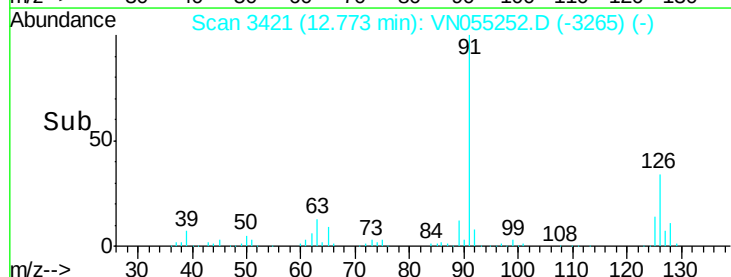
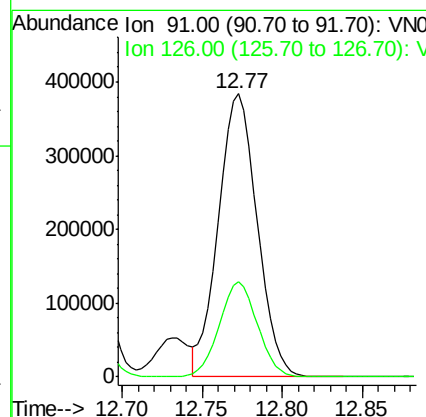
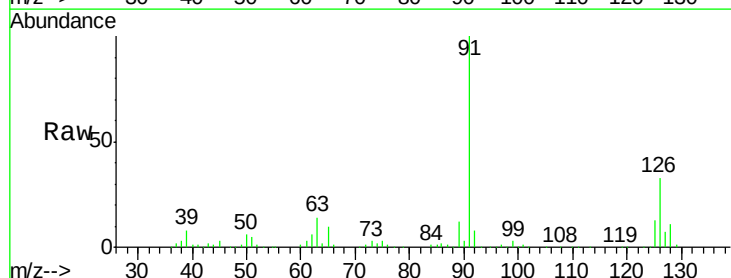
Acq: 25 Apr 2019 18:50

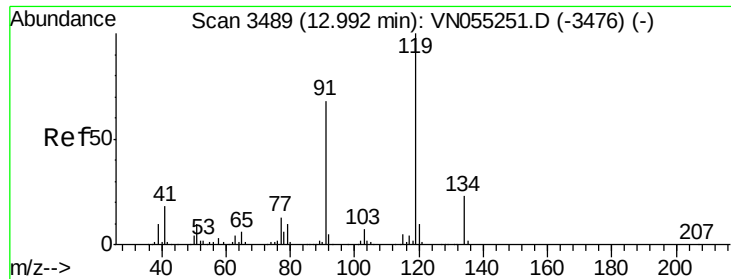
Tgt Ion: 91 Resp: 641378

Ion Ratio Lower Upper

91 100

126 33.0 0.0 66.8





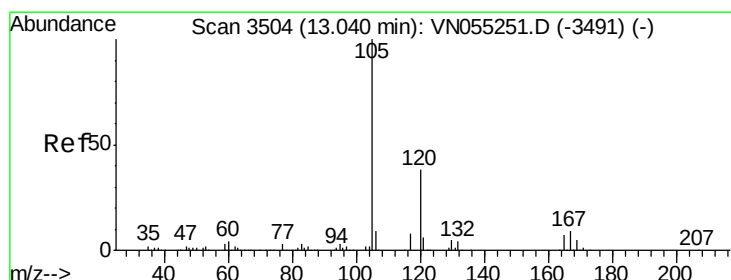
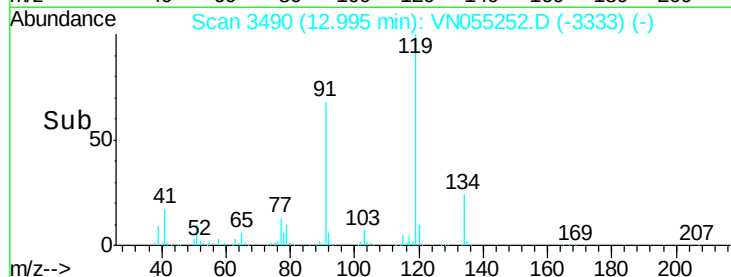
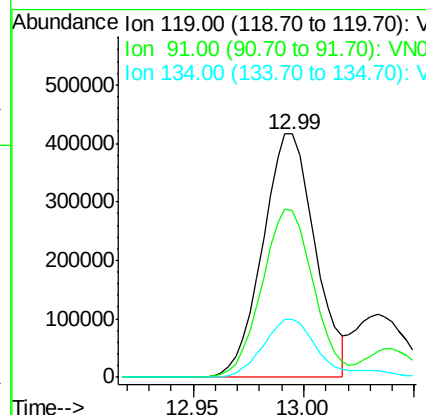
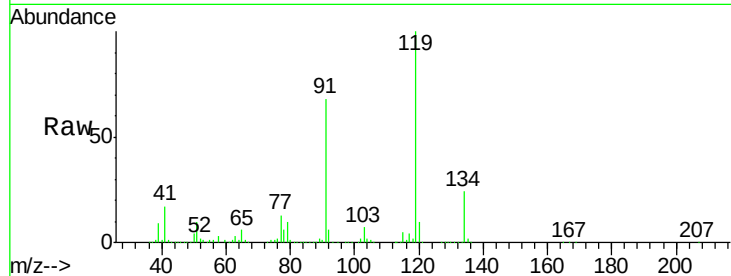
#79
tert-butylbenzene
Concen: 50.754 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	683665		
91	68.0	0.0	135.6	
134	24.4	0.0	47.8	

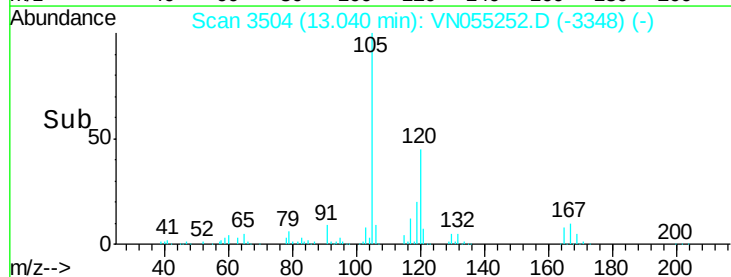
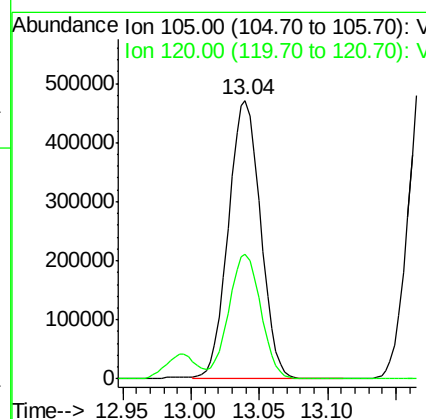
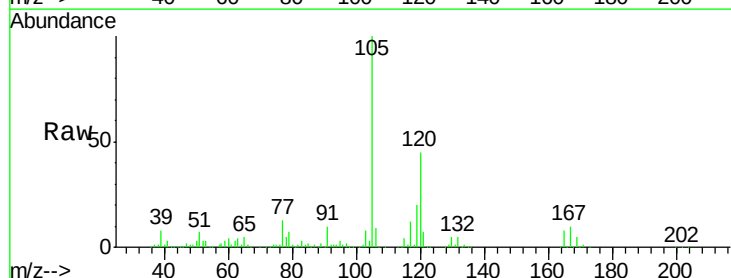
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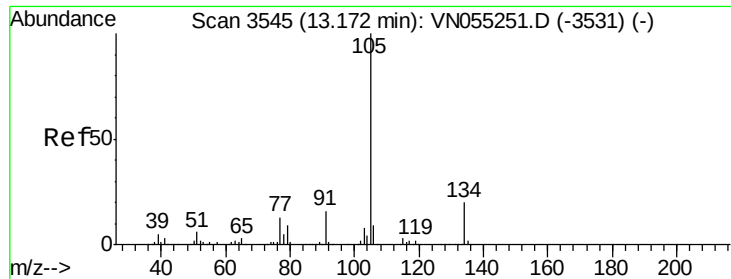
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#80
1,2,4-Trimethylbenzene
Concen: 50.393 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	772004		
120	44.8	0.0	88.6	





#81

sec-Butylbenzene

Concen: 50.736 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tot Ion:105 Resp: 908780

Ion Ratio Lower Upper

105 100

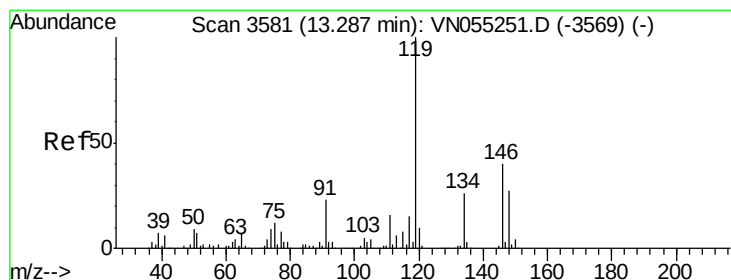
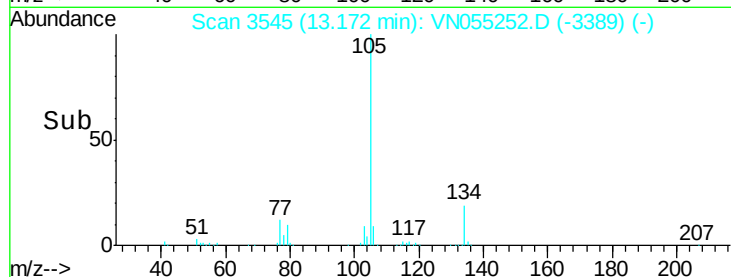
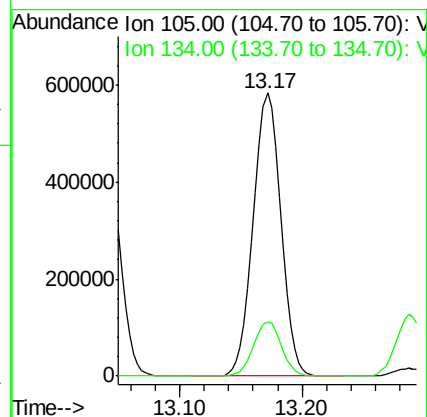
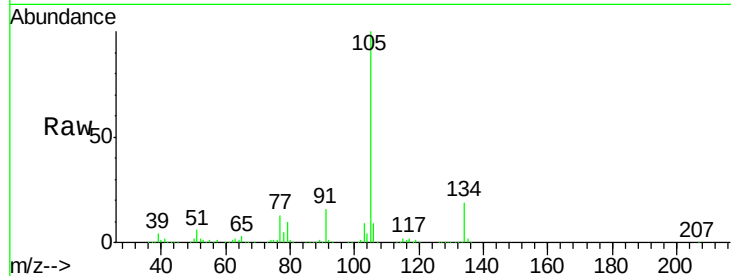
134 19.3 0.0 39.8

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#82

p-Isopropyltoluene

Concen: 50.567 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

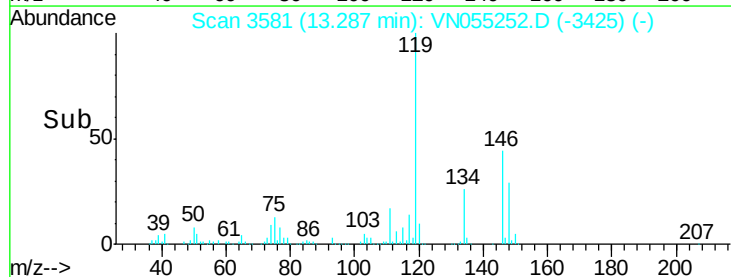
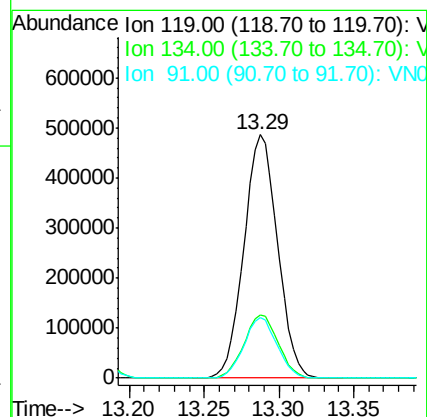
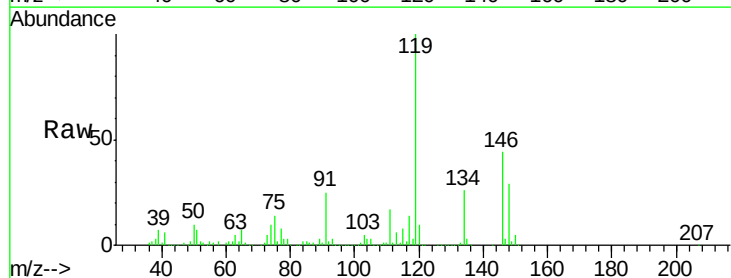
Tgt Ion:119 Resp: 759997

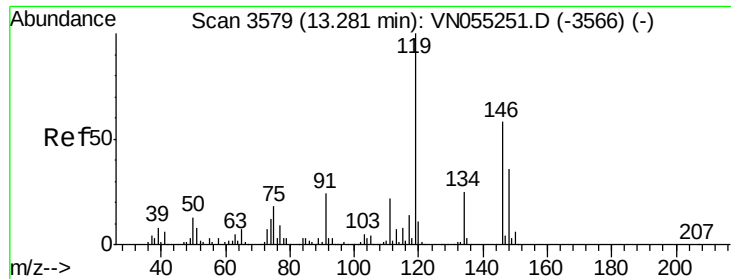
Ion Ratio Lower Upper

119 100

134 26.3 0.0 53.2

91 24.5 0.0 47.6





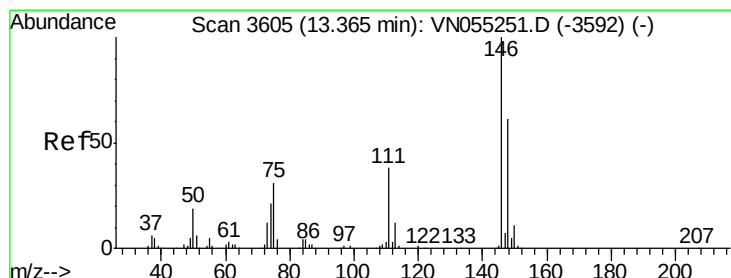
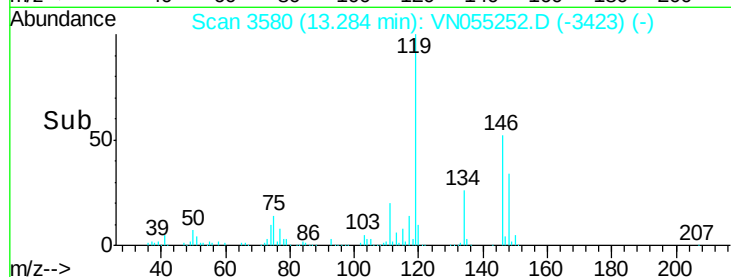
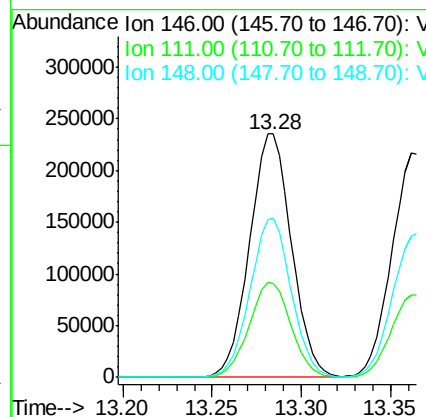
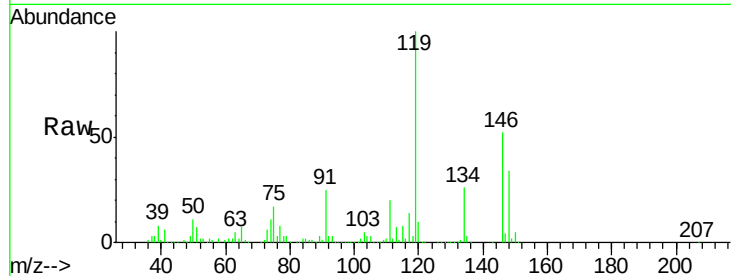
#83
 1,3-Dichlorobenzene
 Concen: 51.326 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.7
148	64.3	32.8	98.3

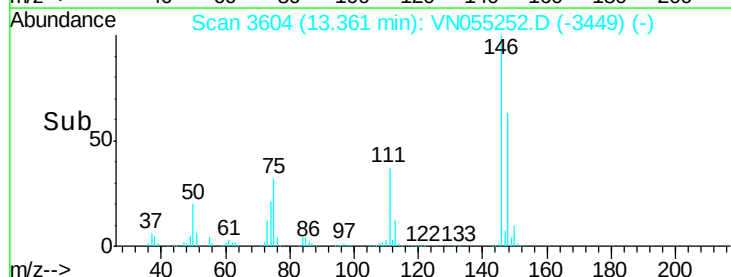
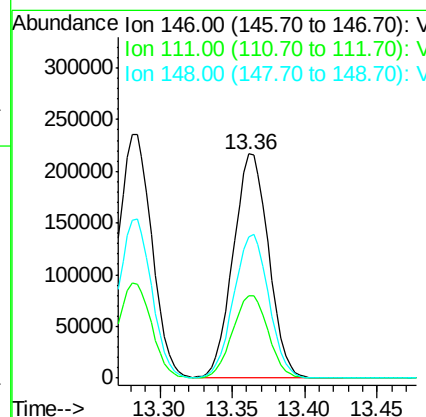
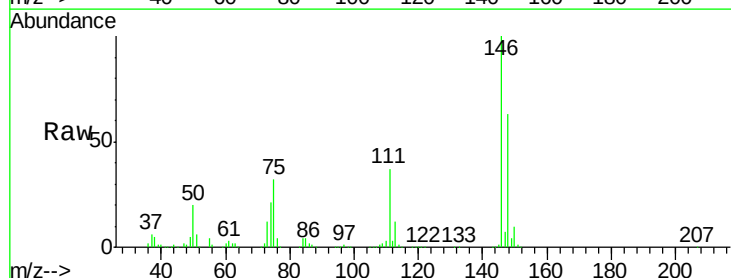
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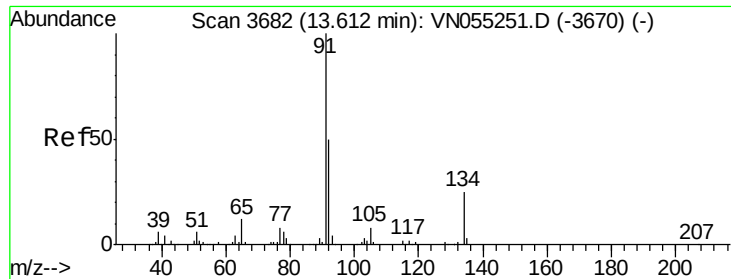
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#84
 1,4-Dichlorobenzene
 Concen: 51.220 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.5
148	63.6	31.4	94.3





#85

n-Butylbenzene

Concen: 50.795 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Instrument :

MSVOA_N

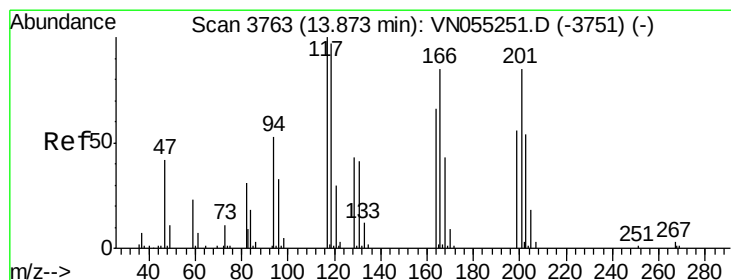
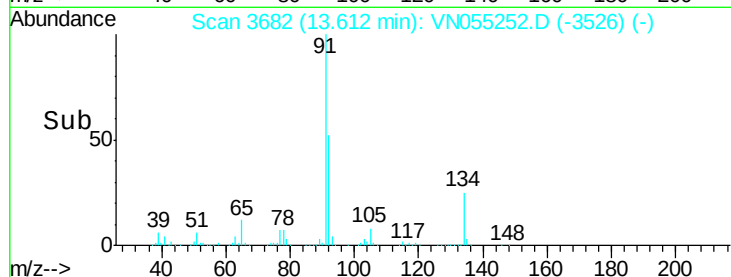
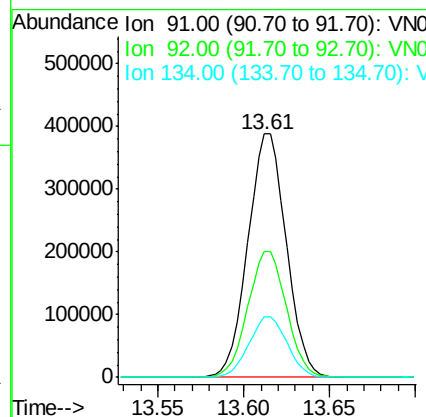
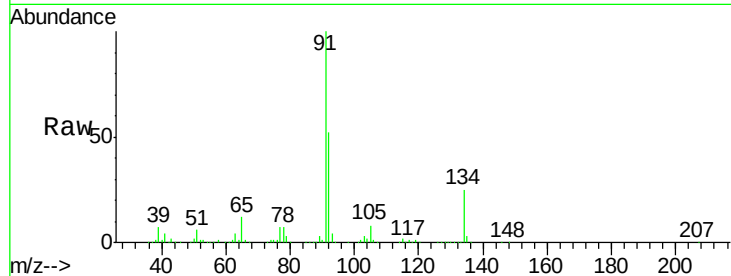
ClientSampleId :

VSTDIC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	601194		
92	52.0	0.0	102.8	
134	24.8	0.0	50.0	

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#86

Hexachloroethane

Concen: 52.088 ug/l

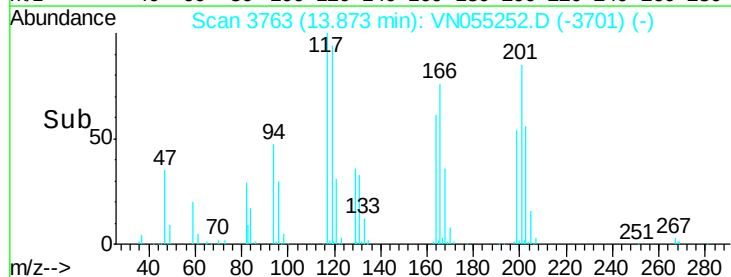
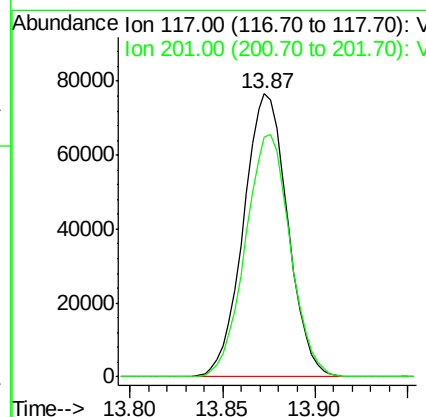
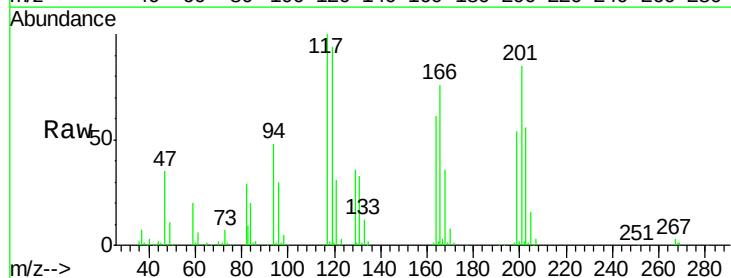
RT: 13.87 min Scan# 3763

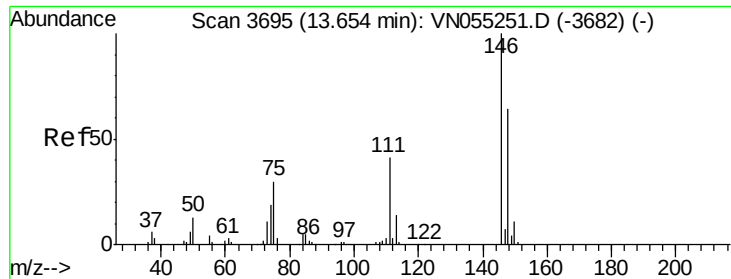
Delta R.T. 0.00 min

Lab File: VN055252.D

Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	127282		
201	86.8	44.5	133.7	





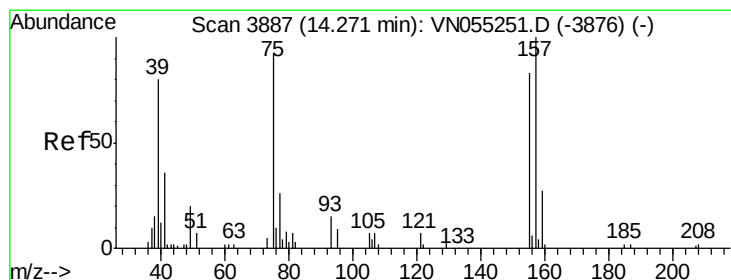
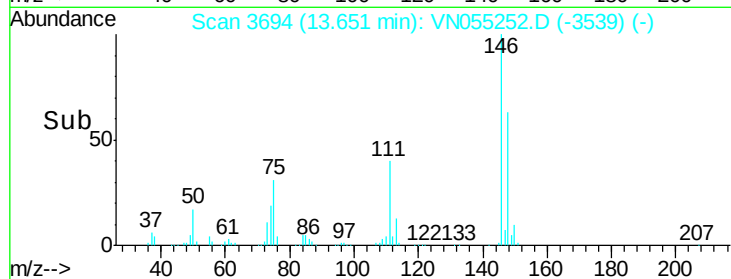
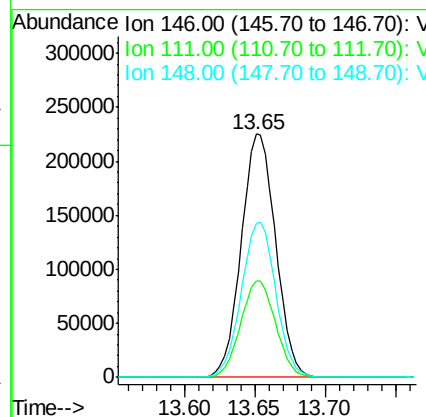
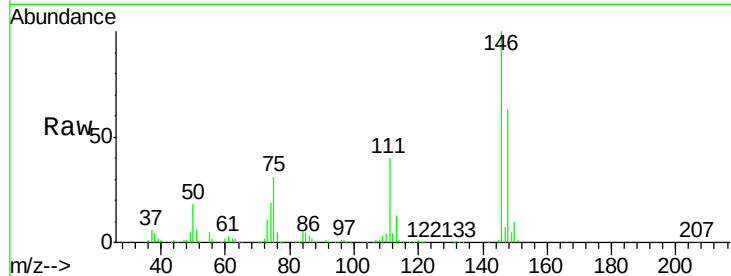
#87
 1,2-Dichlorobenzene
 Concen: 51.804 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.8	62.2
148	64.0	31.9	95.5

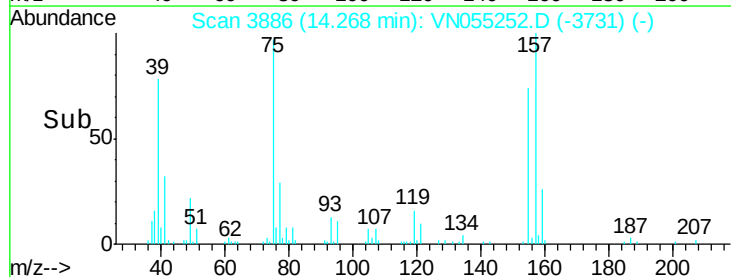
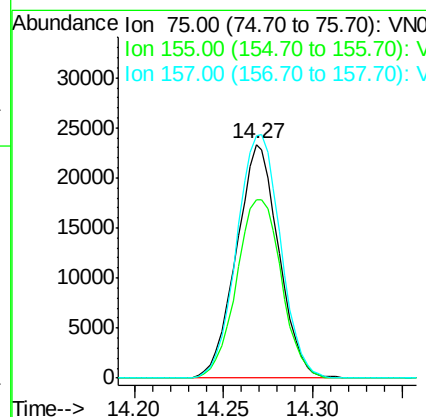
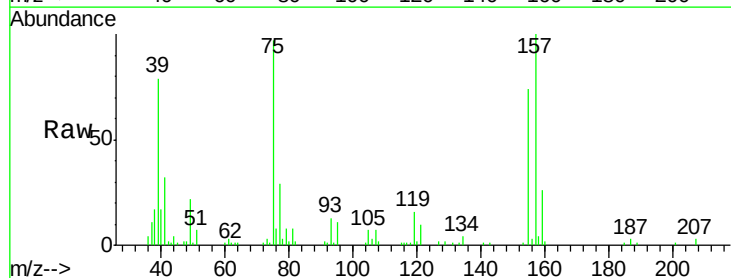
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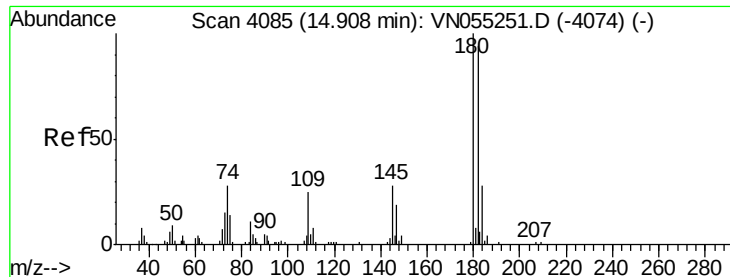
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 62.398 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	70.4	105.6
157	107.5	88.5	132.7





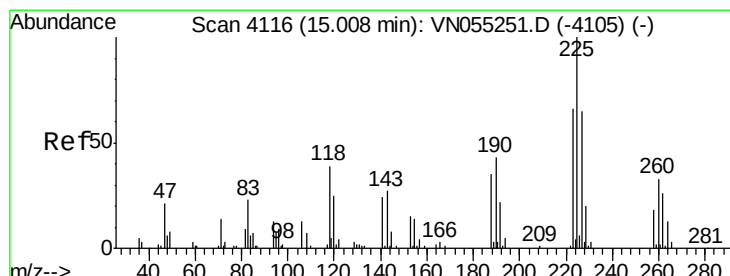
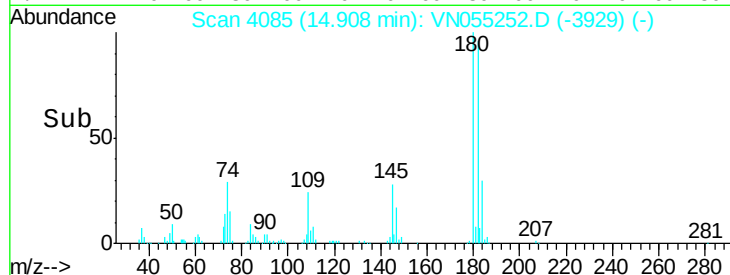
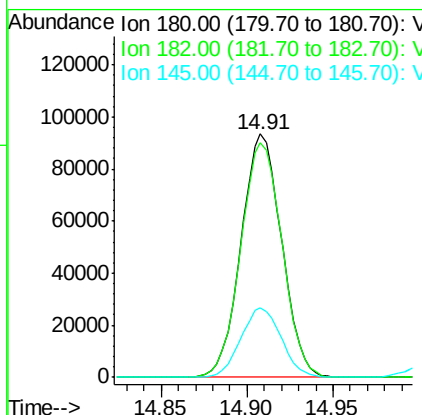
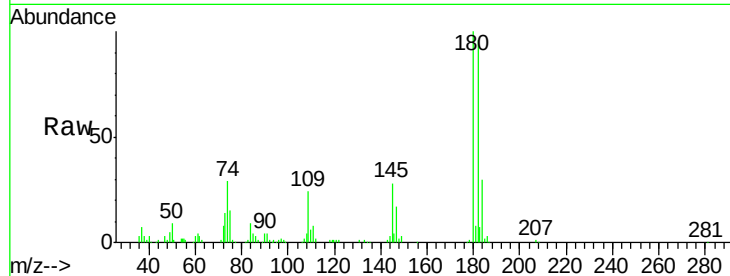
#89
 1,2,4-Trichlorobenzene
 Concen: 47.227 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	74.8	112.2
145	28.4	23.2	34.8

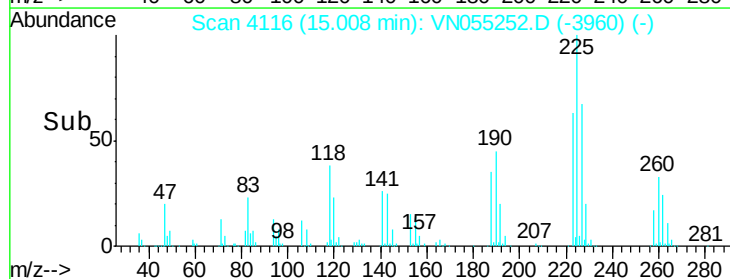
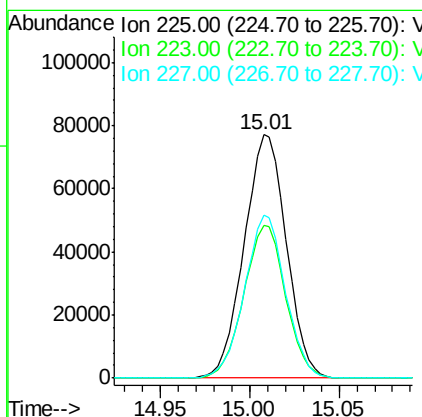
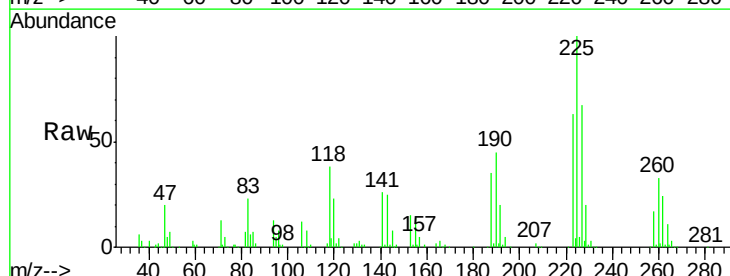
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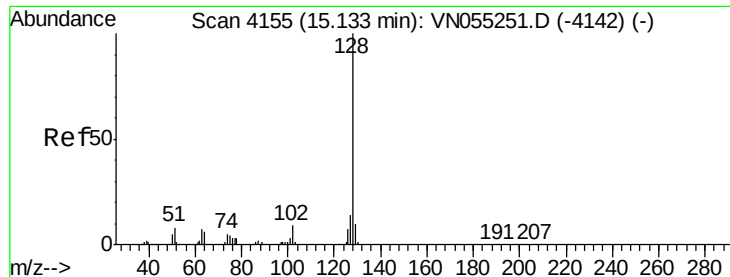
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#90
 Hexachlorobutadiene
 Concen: 52.895 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055252.D
 Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	0.0	125.2
227	65.0	0.0	128.4





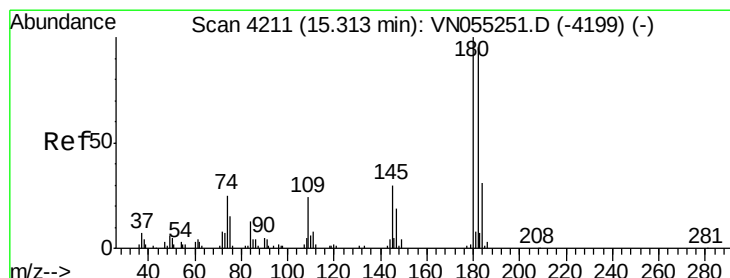
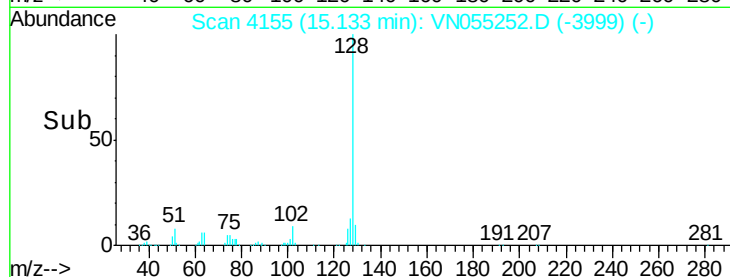
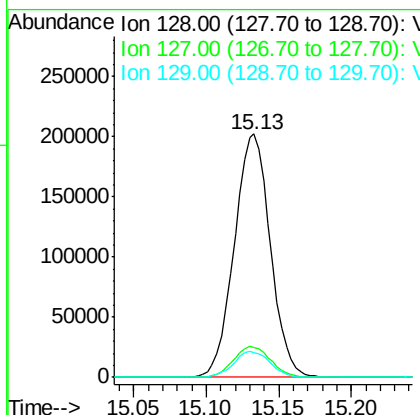
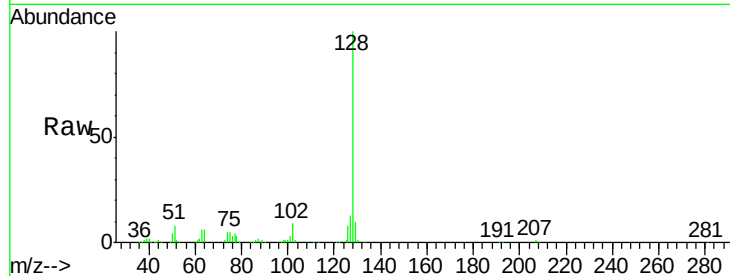
#91
Naphthalene
Concen: 50.407 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.9	8.0	12.0

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#92
1,2,3-Trichlorobenzene
Concen: 50.139 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055252.D
Acq: 25 Apr 2019 18:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	0.0	188.0
145	30.5	0.0	60.0

