

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059690.D
 Acq On : 13 Jan 2020 14:53
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 10:59:50 AM

Quant Time: Jan 14 08:48:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:36:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	192370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	299824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	268248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132217	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	108833	38.88	ug/l	0.00
Spiked Amount			Recovery	=	77.76%	
35) Dibromofluoromethane	7.57	113	91530	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
50) Toluene-d8	10.08	98	352895	47.51	ug/l	0.00
Spiked Amount			Recovery	=	95.02%	
62) 4-Bromofluorobenzene	12.40	95	125567	46.33	ug/l	0.00
Spiked Amount			Recovery	=	92.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	114984	46.256	ug/l	99
3) Chloromethane	2.04	50	110617	28.041	ug/l	99
4) Vinyl Chloride	2.17	62	134518	35.960	ug/l	98
5) Bromomethane	2.54	94	78271	35.992	ug/l	99
6) Chloroethane	2.68	64	59783	28.435	ug/l	96
7) Trichlorofluoromethane	3.00	101	154048	37.533	ug/l	100
8) Diethyl Ether	3.39	74	54270	42.319	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86569	41.854	ug/l	92
10) Methyl Iodide	3.93	142	138310	50.511	ug/l	95
11) Tert butyl alcohol	4.73	59	91768	178.817	ug/l	100
12) 1,1-Dichloroethene	3.72	96	87601	43.416	ug/l	89
13) Acrolein	3.58	56	61323	167.748	ug/l	99
14) Allyl chloride	4.30	41	120678	29.135	ug/l #	87
15) Acrylonitrile	4.94	53	214880	173.101	ug/l	99
16) Acetone	3.78	43	189365	113.941	ug/l	96
17) Carbon Disulfide	4.03	76	252034	36.377	ug/l	100
18) Methyl Acetate	4.29	43	125633	36.076	ug/l	91
19) Methyl tert-butyl Ether	5.00	73	288547	40.503	ug/l	94
20) Methylene Chloride	4.52	84	96006	39.998	ug/l	89
21) trans-1,2-Dichloroethene	5.01	96	93895	41.744	ug/l	88
22) Diisopropyl ether	5.92	45	270307	35.398	ug/l	97
23) Vinyl Acetate	5.86	43	997140	166.393	ug/l	95
24) 1,1-Dichloroethane	5.82	63	163828	37.874	ug/l	98
25) 2-Butanone	6.80	43	296293	149.088	ug/l	94
26) 2,2-Dichloropropane	6.80	77	154843	39.386	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	108397	43.490	ug/l	88
28) Bromochloromethane	7.17	49	64879	43.738	ug/l #	77
29) Tetrahydrofuran	7.18	42	187979	155.242	ug/l	89
30) Chloroform	7.35	83	171380	40.250	ug/l	98
31) Cyclohexane	7.63	56	152665	37.352	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	159739	41.613	ug/l	96
36) 1,1-Dichloropropene	7.77	75	131398	42.024	ug/l	96
37) Ethyl Acetate	6.90	43	118194	32.524	ug/l	97
38) Carbon Tetrachloride	7.75	117	140864	43.416	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	161372	45.500	ug/l	91
40) Benzene	8.02	78	382885	41.903	ug/l	99
41) Methacrylonitrile	7.15	41	59306m	39.543	ug/l	
42) 1,2-Dichloroethane	8.10	62	131251	37.507	ug/l	96
43) Isopropyl Acetate	8.14	43	209119	37.012	ug/l #	95
44) Trichloroethene	8.82	130	109313	45.672	ug/l	95
45) 1,2-Dichloropropane	9.10	63	96847	39.249	ug/l	99
46) Dibromomethane	9.19	93	68511	42.381	ug/l	91
47) Bromodichloromethane	9.39	83	137392	42.628	ug/l	99
48) Methyl methacrylate	9.18	41	94743	36.960	ug/l	91
49) 1,4-Dioxane	9.18	88	36631	997.163	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	609714	180.995	ug/l	95
52) Toluene	10.14	92	247517	44.086	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	157061	42.136	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	165907	42.343	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	96045	43.595	ug/l	98
56) Ethyl methacrylate	10.42	69	151176	46.223	ug/l	92
57) 1,3-Dichloropropane	10.70	76	157509	41.061	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	251404	241.692	ug/l	91
59) 2-Hexanone	10.74	43	472415	177.936	ug/l	95
60) Dibromochloromethane	10.89	129	112811	46.916	ug/l	99
61) 1,2-Dibromoethane	11.00	107	104173	44.585	ug/l	99
64) Tetrachloroethene	10.62	164	119894	47.946	ug/l	97
65) Chlorobenzene	11.43	112	266779	45.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	102258	46.383	ug/l	99
67) Ethyl Benzene	11.50	91	480373	45.851	ug/l	96
68) m/p-Xylenes	11.62	106	367933	95.103	ug/l	94
69) o-Xylene	11.94	106	177532	48.227	ug/l	95
70) Styrene	11.96	104	306943	51.897	ug/l	96
71) Bromoform	12.12	173	84932	51.249	ug/l #	99
73) Isopropylbenzene	12.24	105	479218	46.172	ug/l	100
74) N-amyl acetate	12.06	43	190441	40.001	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	139075	42.241	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	113787m	34.764	ug/l	
77) Bromobenzene	12.52	156	122248	47.894	ug/l	81
78) n-propylbenzene	12.59	91	542486	44.216	ug/l	97
79) 2-Chlorotoluene	12.67	91	314970	42.456	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	402750	45.854	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	52586	39.681	ug/l	92
82) 4-Chlorotoluene	12.77	91	324009	42.655	ug/l	95
83) tert-Butylbenzene	12.99	119	348365	46.834	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	399631	45.757	ug/l	98
85) sec-Butylbenzene	13.17	105	464419	46.937	ug/l	98
86) p-Isopropyltoluene	13.28	119	423076	47.211	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	213370	45.460	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	212274	44.858	ug/l	97
89) n-Butylbenzene	13.61	91	370792	44.133	ug/l	98
90) Hexachloroethane	13.87	117	80181	47.335	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	210608	45.499	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	30472	31.434	ug/l	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	135284	45.261	ug/l	99
94) Hexachlorobutadiene	15.01	225	69562	43.459	ug/l	99
95) Naphthalene	15.13	128	385691	43.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128888	42.634	ug/l	99

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

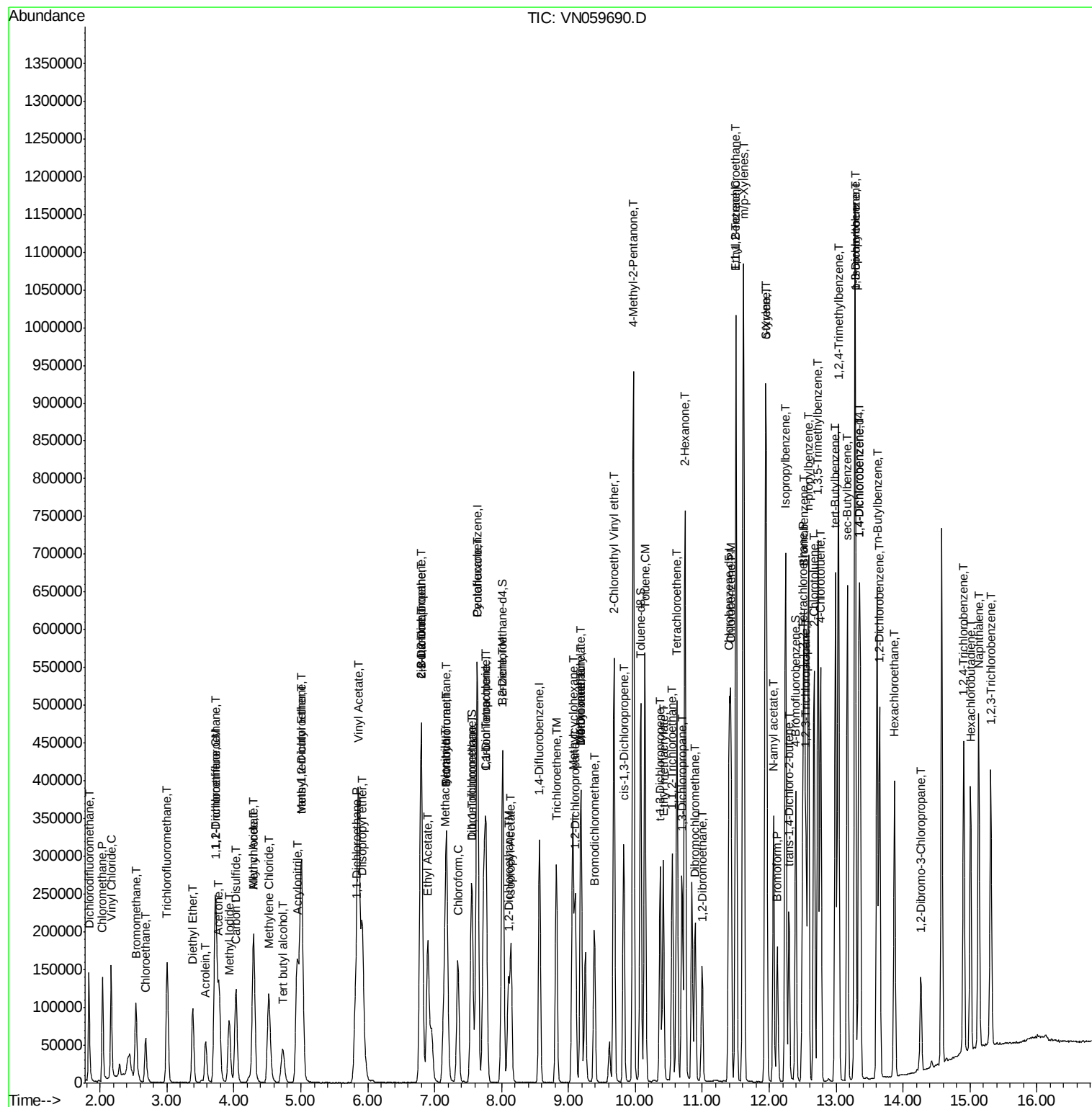
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 192370

Ion Ratio Lower Upper

168 100

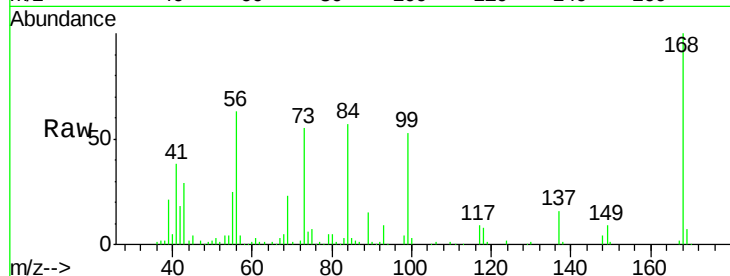
99 52.7 48.2 72.4

Manual Integrations

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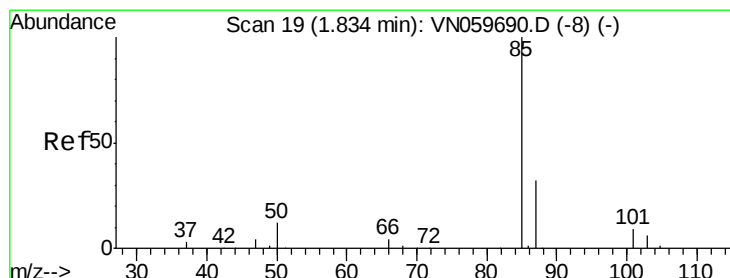
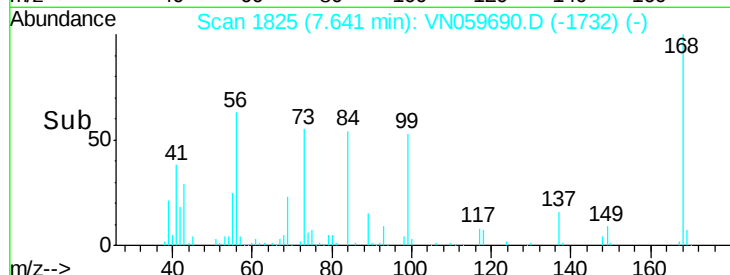
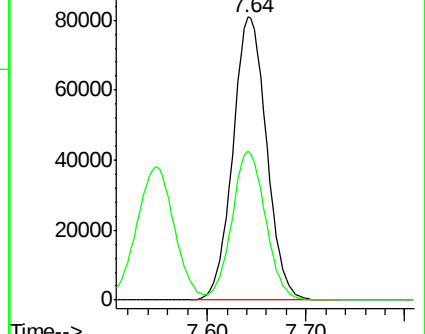
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.256 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059690.D

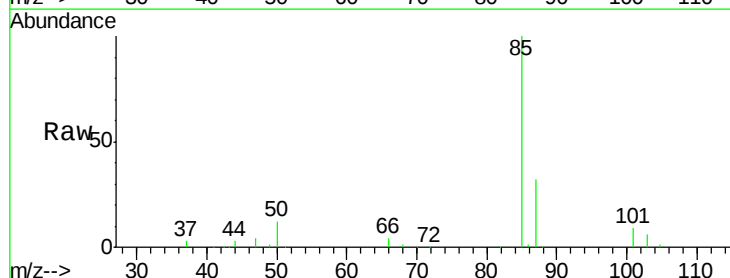
Acq: 13 Jan 2020 14:53

Tgt Ion: 85 Resp: 114984

Ion Ratio Lower Upper

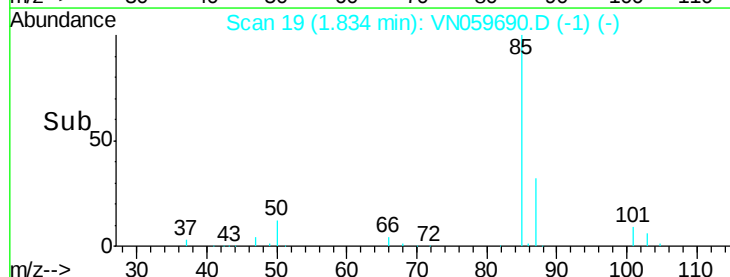
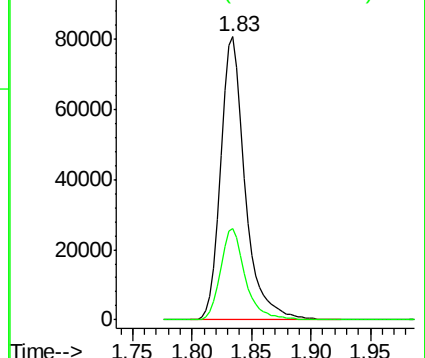
85 100

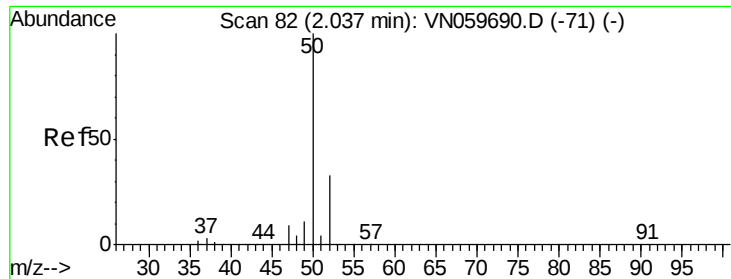
87 32.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 28.041 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 110617

Ion Ratio Lower Upper

50 100

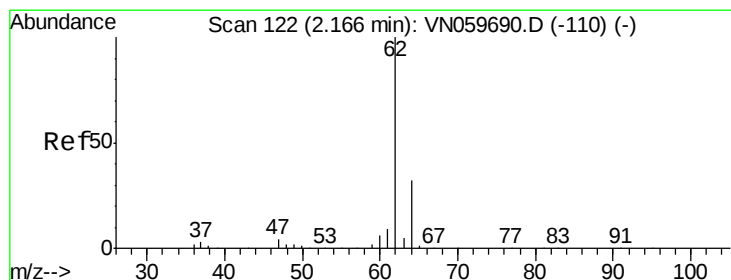
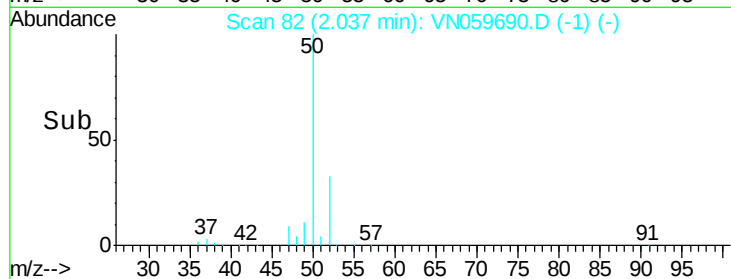
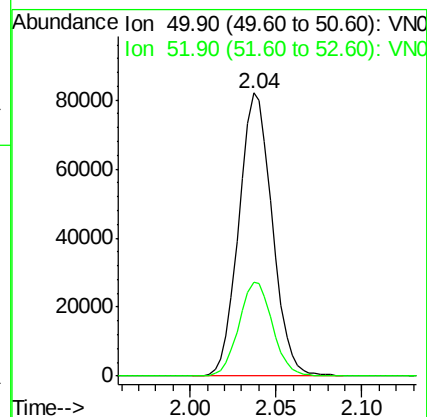
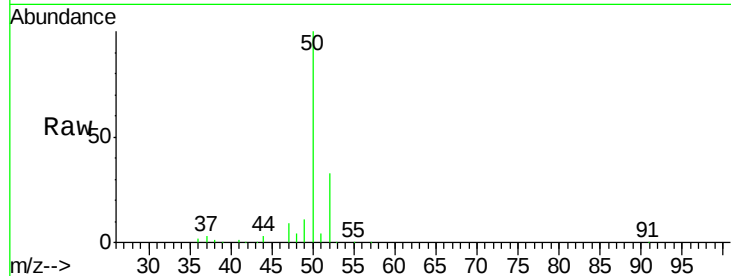
52 33.1 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 35.960 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059690.D

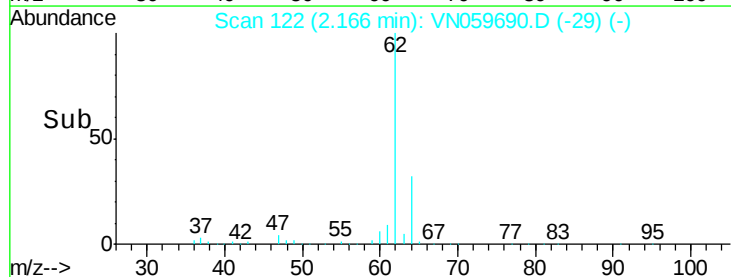
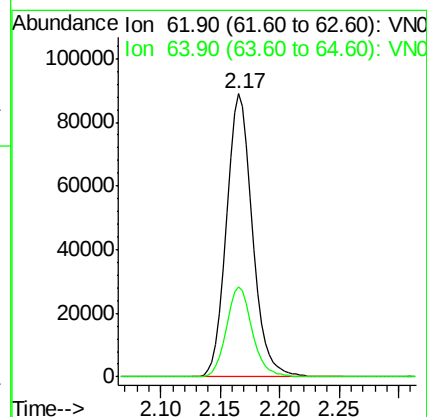
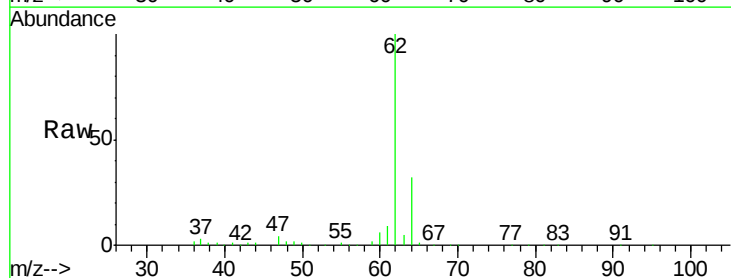
Acq: 13 Jan 2020 14:53

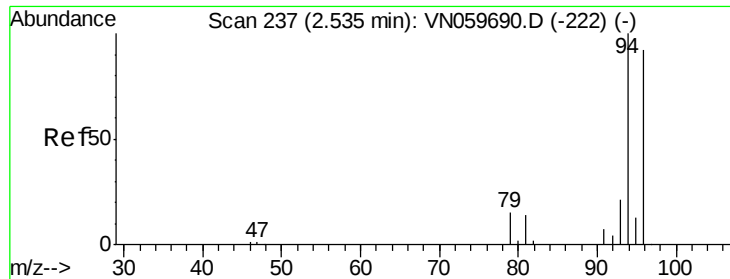
Tgt Ion: 62 Resp: 134518

Ion Ratio Lower Upper

62 100

64 32.0 24.6 37.0





#5

Bromomethane

Concen: 35.992 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

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Tot Ion: 94 Resp: 78271

Ion Ratio Lower Upper

94 100

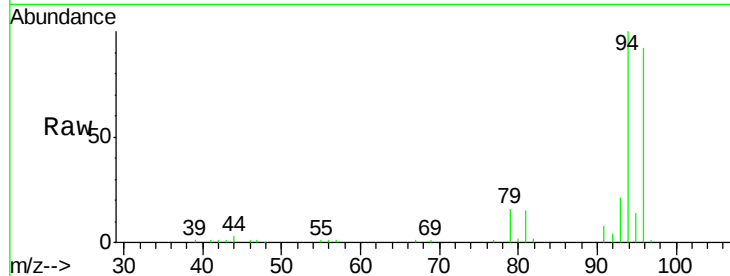
96 92.2 74.7 112.1

Manual Integrations

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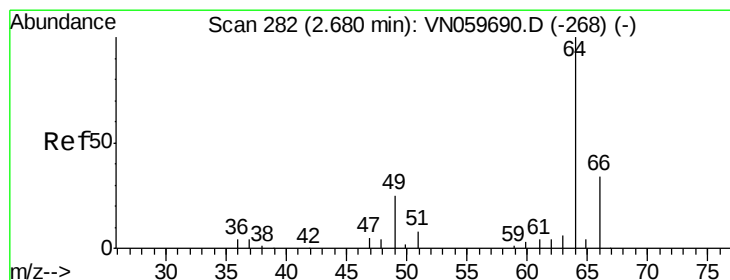
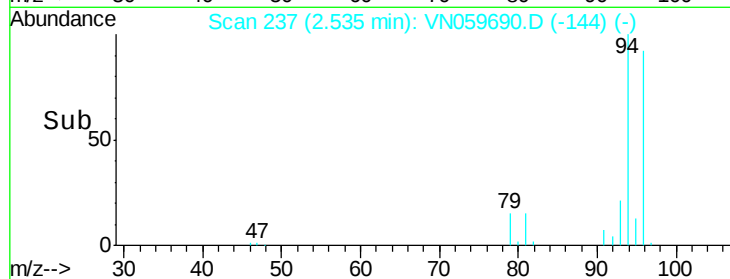
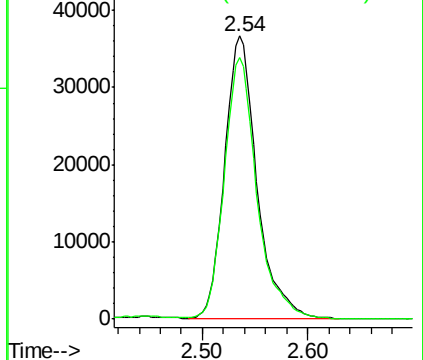
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 28.435 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.00 min

Lab File: VN059690.D

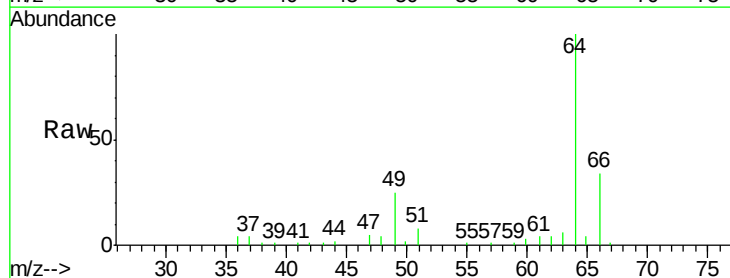
Acq: 13 Jan 2020 14:53

Tgt Ion: 64 Resp: 59783

Ion Ratio Lower Upper

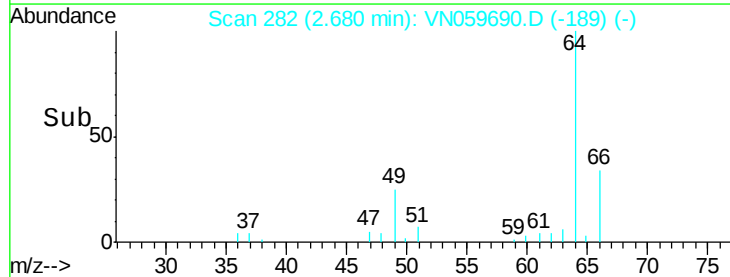
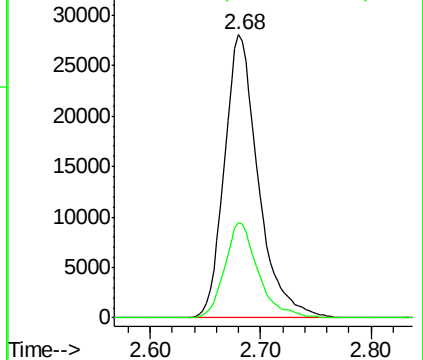
64 100

66 33.7 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

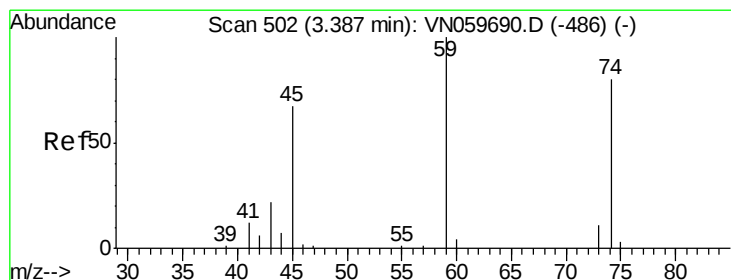
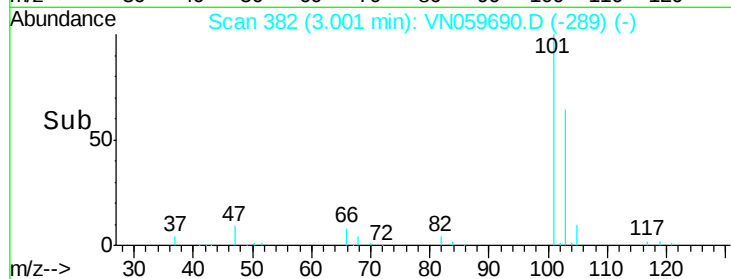
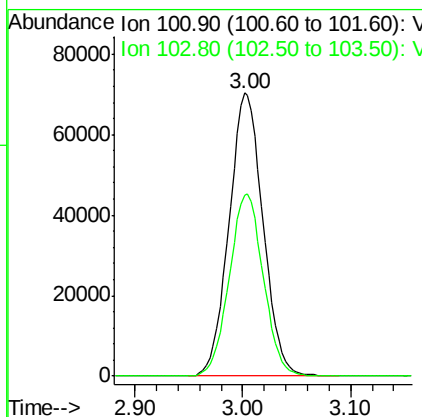
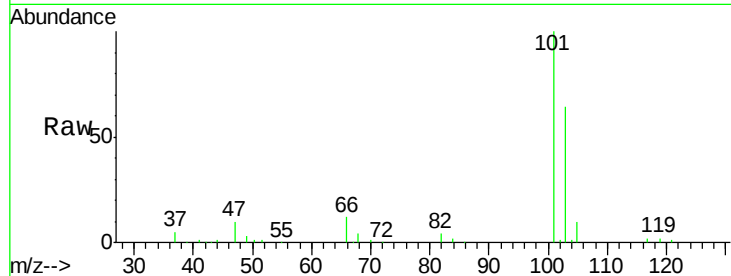
Trichlorofluoromethane
Concen: 37.533 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN059690.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		154048		
103	63.9	51.0	76.6		

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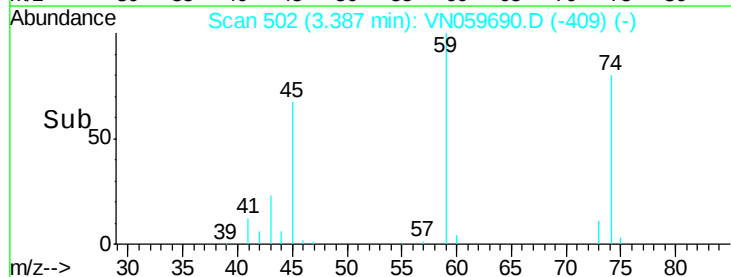
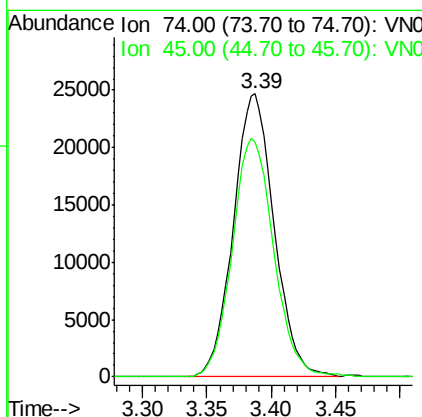
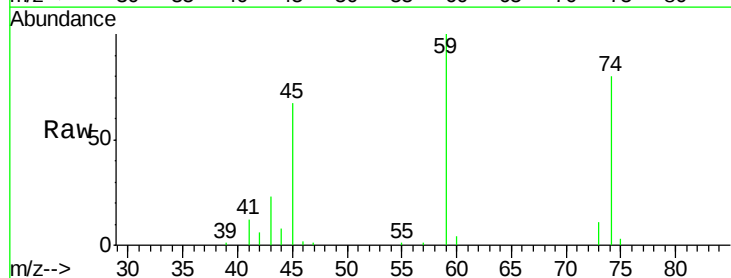
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#8

Diethyl Ether
Concen: 42.319 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059690.D
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		54270		
45	85.9	51.9	155.8		





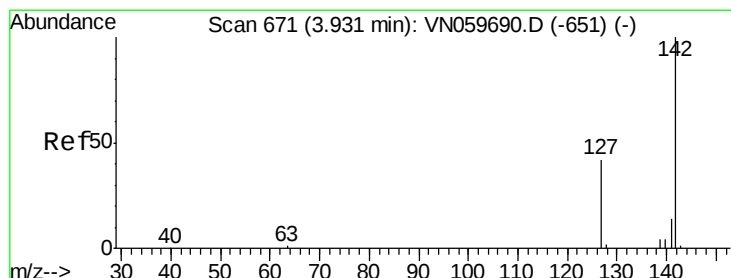
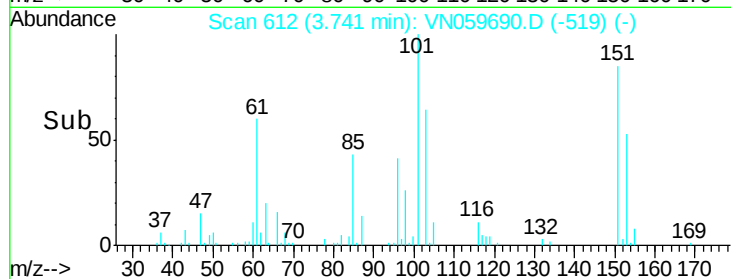
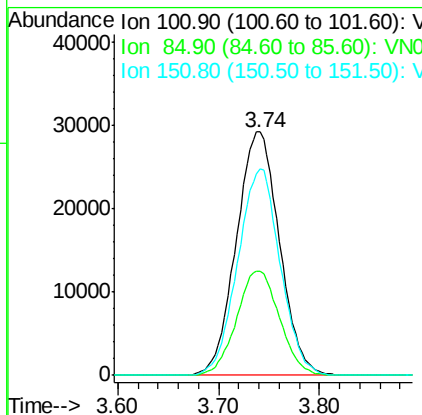
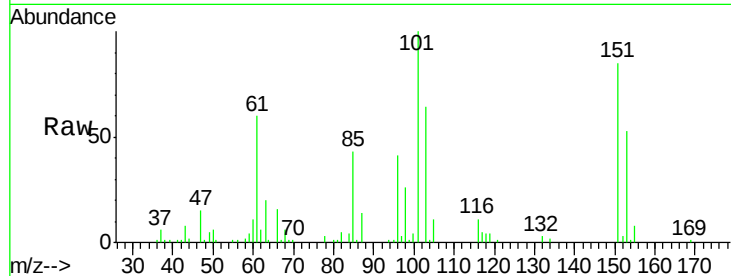
#9
1,1,2-Trichlorotrifluoroethane
Concen: 41.854 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.6	36.6	54.8
151	83.6	59.7	89.5

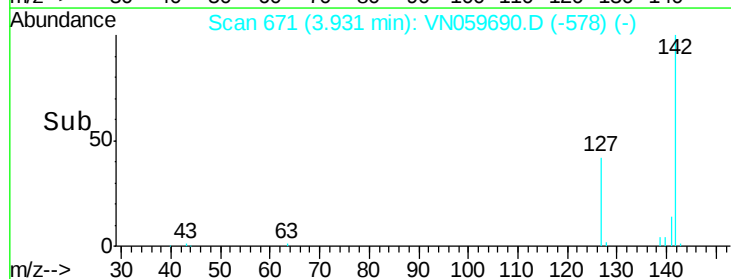
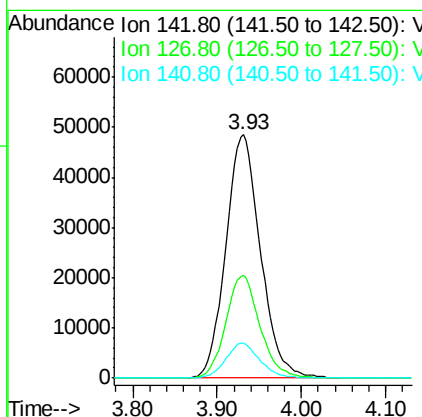
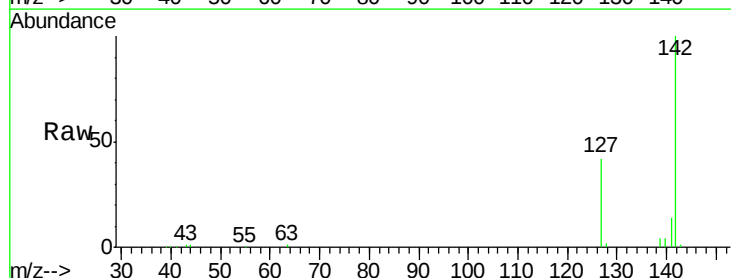
Manual Integrations
APPROVED

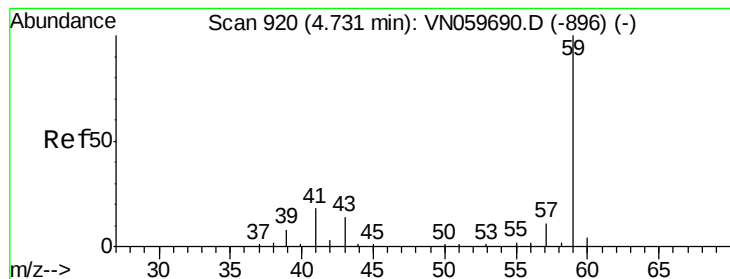
MMDadoda
1/14/2020 10:59:50 AM



#10
Methyl Iodide
Concen: 50.511 ug/l
RT: 3.93 min Scan# 671
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.6	36.7	55.1
141	14.0	11.7	17.5





#11

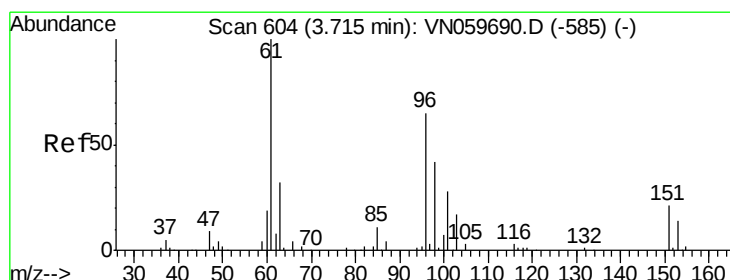
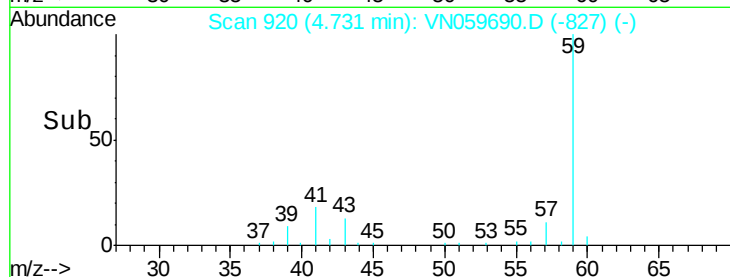
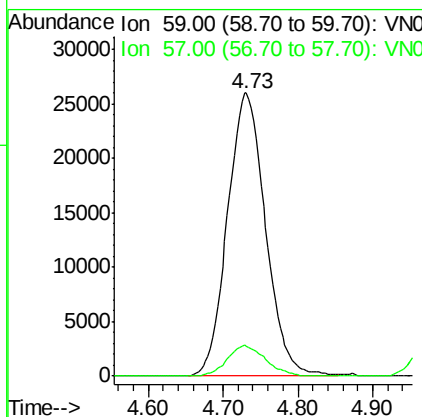
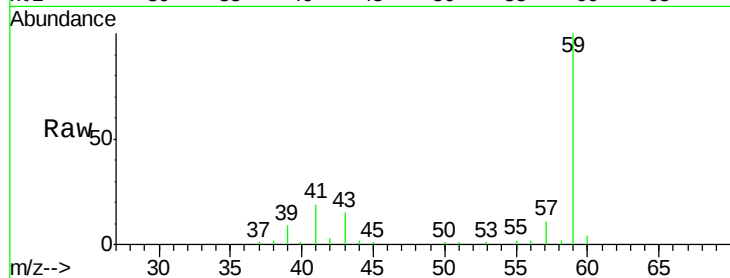
Tert butyl alcohol
 Concen: 178.817 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.6	12.8

Manual Integrations
 APPROVED

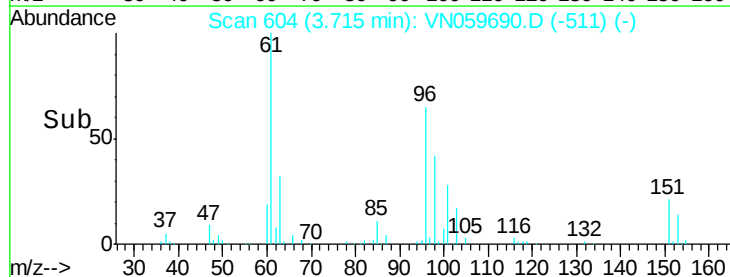
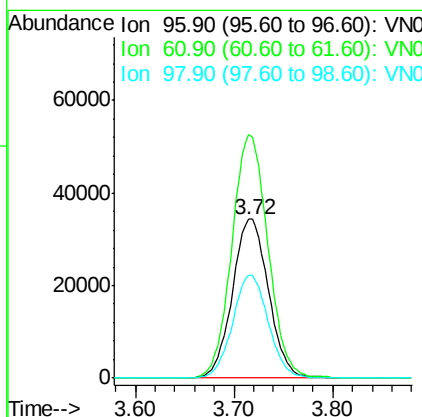
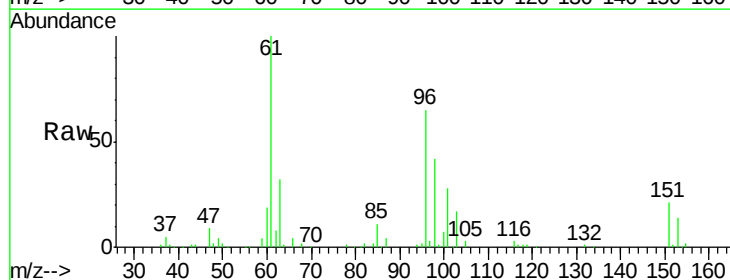
MMDadoda
 1/14/2020 10:59:50 AM



#12

1,1-Dichloroethene
 Concen: 43.416 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.3	137.5	206.3
98	65.1	50.2	75.4





#13

Acrolein

Concen: 167.748 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 61323

Ion Ratio Lower Upper

56 100

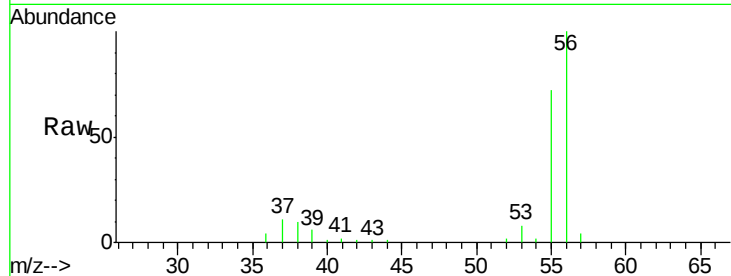
55 72.3 58.6 88.0

Manual Integrations

APPROVED

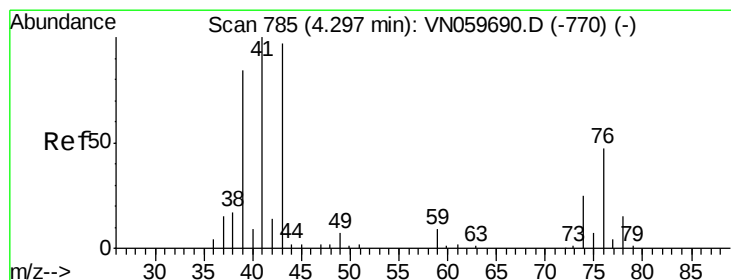
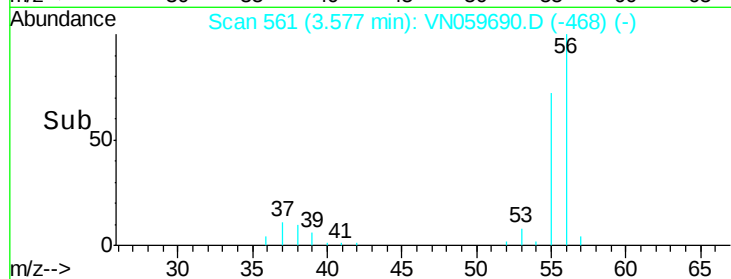
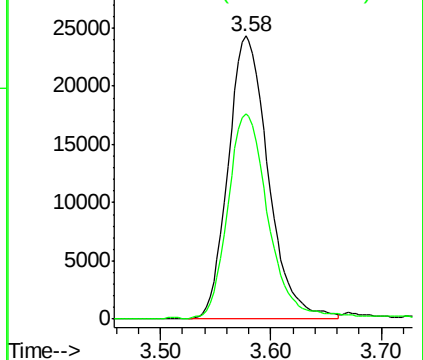
MMDadoda

1/14/2020 10:59:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 29.135 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

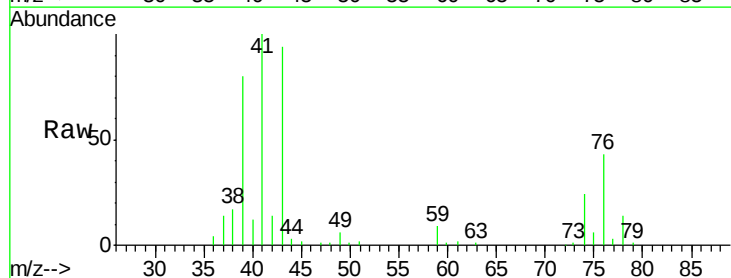
Tgt Ion: 41 Resp: 120678

Ion Ratio Lower Upper

41 100

39 80.3 57.8 86.8

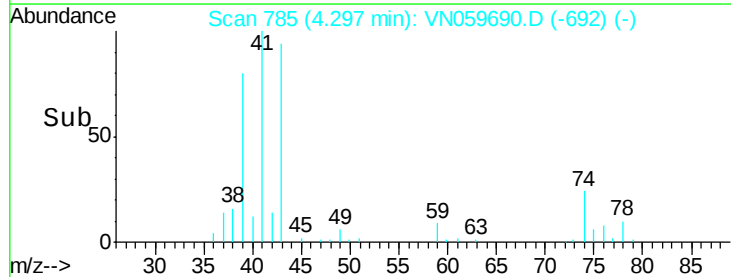
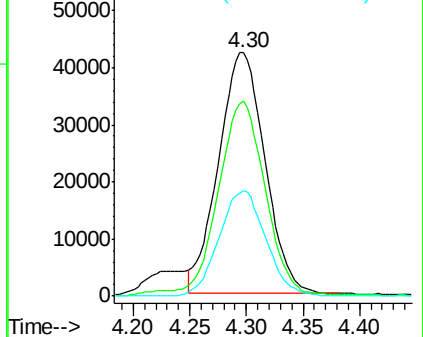
76 43.9 25.4 38.0#

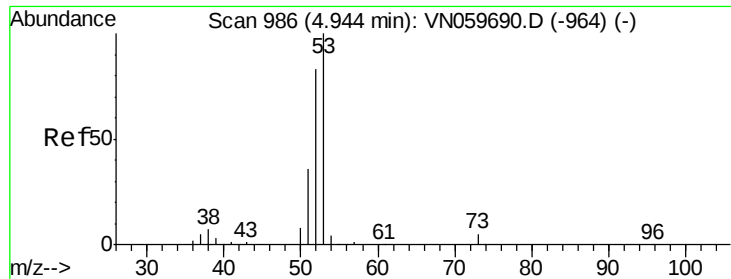


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 173.101 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

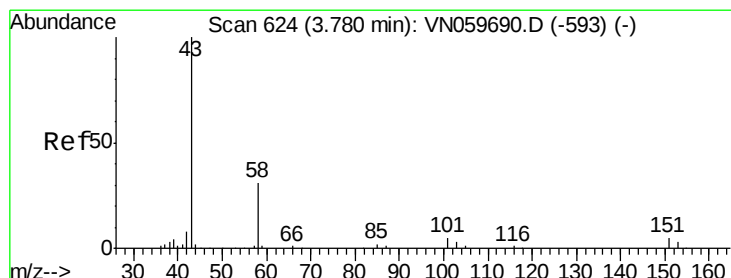
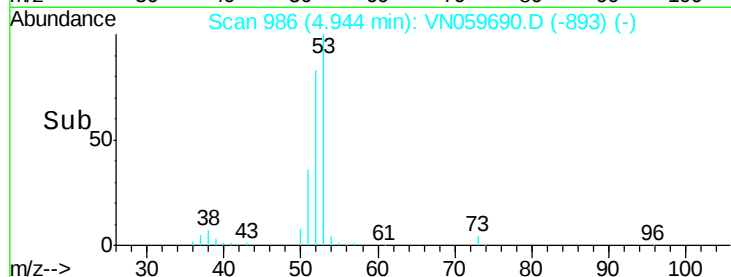
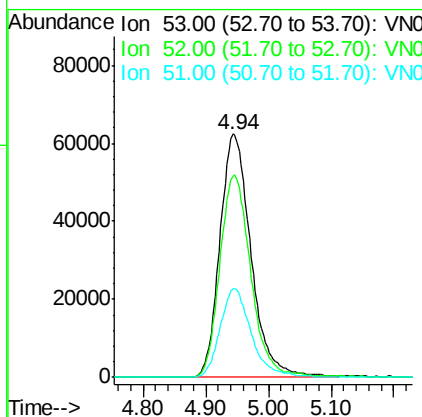
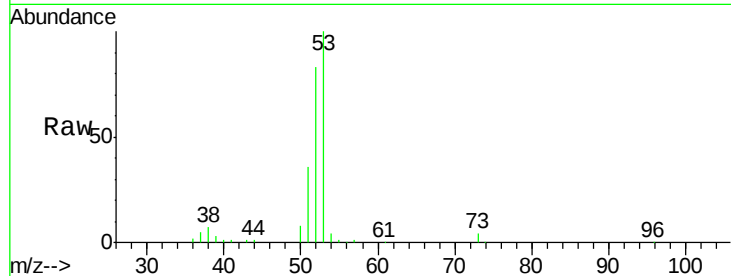
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	214880
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.3	99.5
51	36.6	29.7	44.5

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 113.941 ug/l

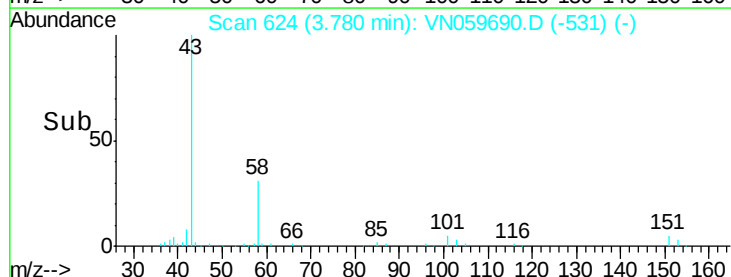
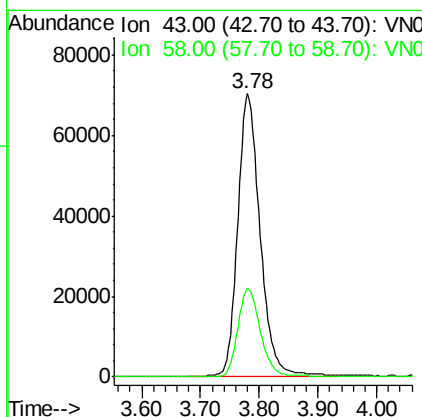
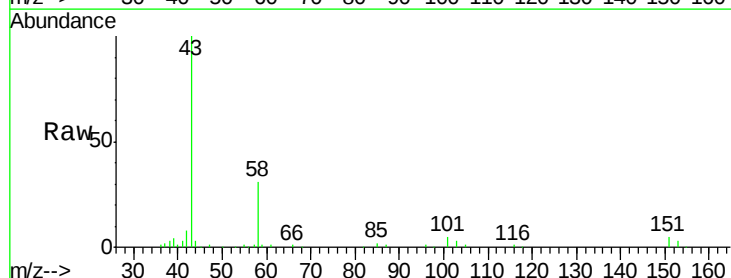
RT: 3.78 min Scan# 624

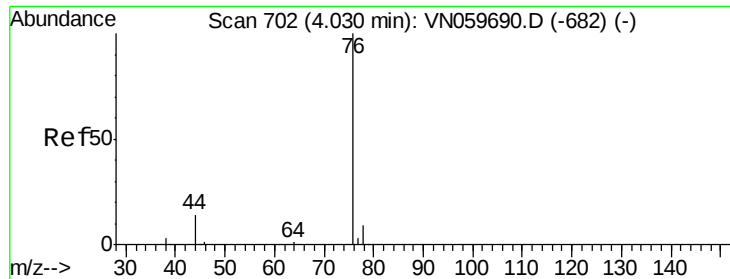
Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Tgt Ion:	43	Resp:	189365
Ion	Ratio	Lower	Upper
43	100		
58	31.4	23.6	35.4





#17

Carbon Disulfide

Concen: 36.377 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 252034

Ion Ratio Lower Upper

76 100

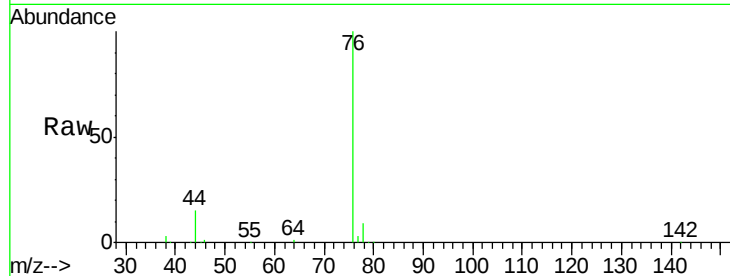
78 9.1 7.4 11.0

Manual Integrations

APPROVED

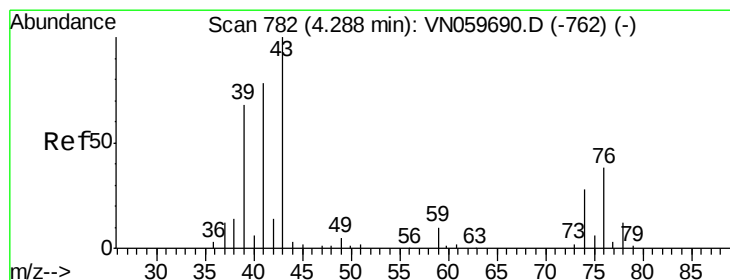
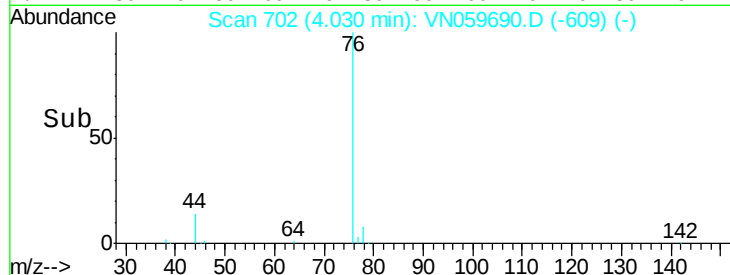
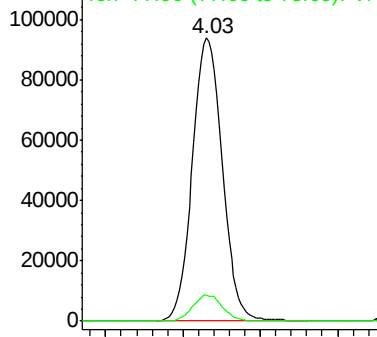
MMDadoda

1/14/2020 10:59:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 36.076 ug/l

RT: 4.29 min Scan# 782

Delta R.T. 0.00 min

Lab File: VN059690.D

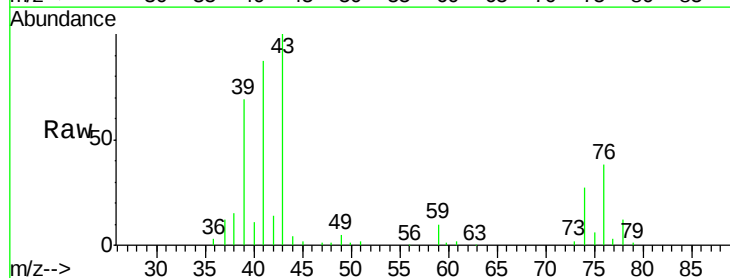
Acq: 13 Jan 2020 14:53

Tgt Ion: 43 Resp: 125633

Ion Ratio Lower Upper

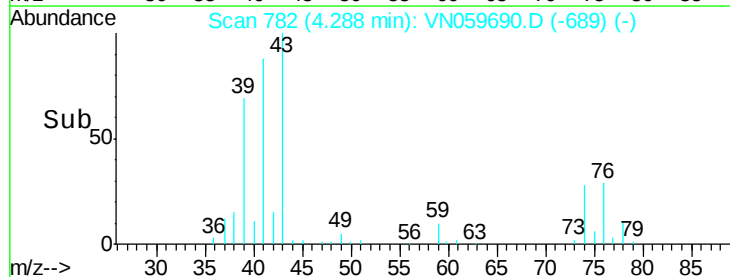
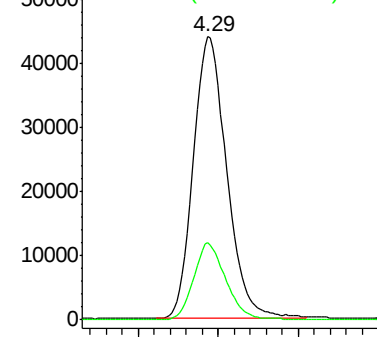
43 100

74 26.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





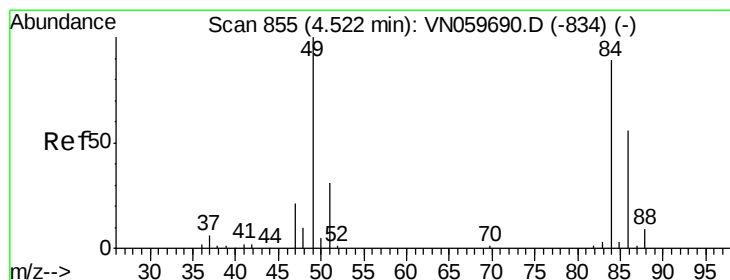
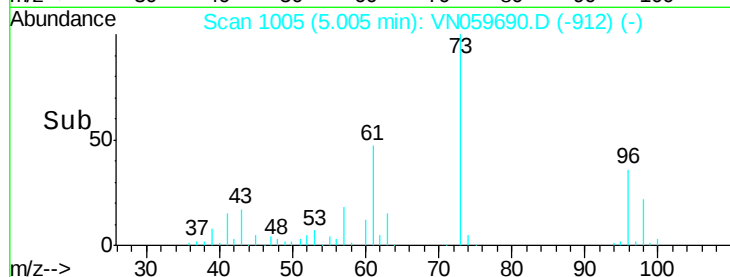
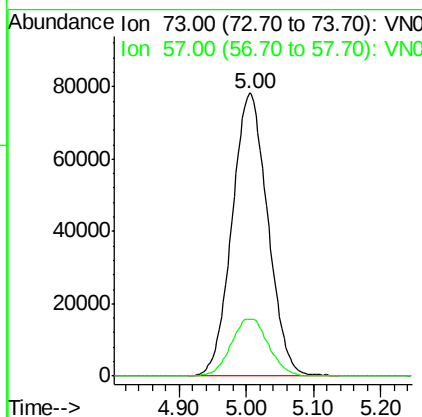
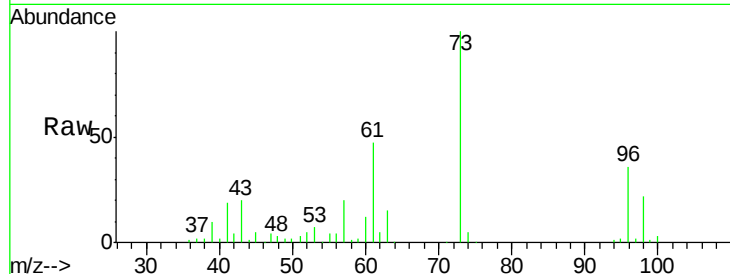
#19
Methvl tert-butvl Ether
Concen: 40.503 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 288547
Ion Ratio Lower Upper
73 100
57 20.2 18.6 27.8

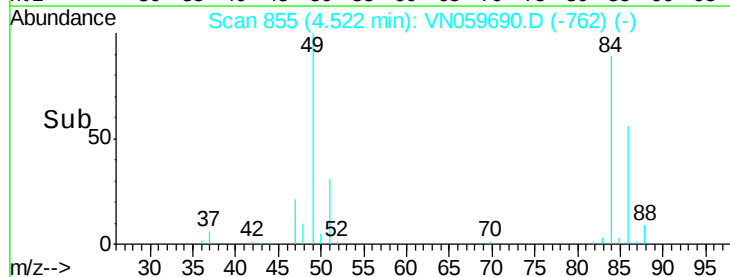
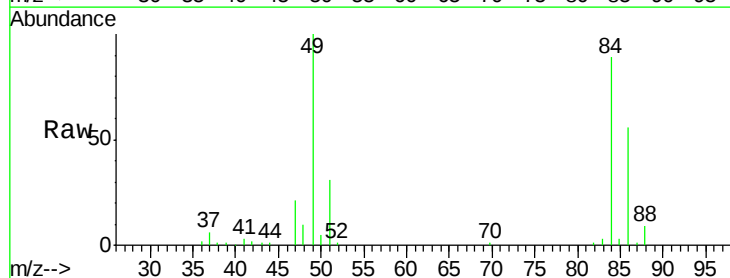
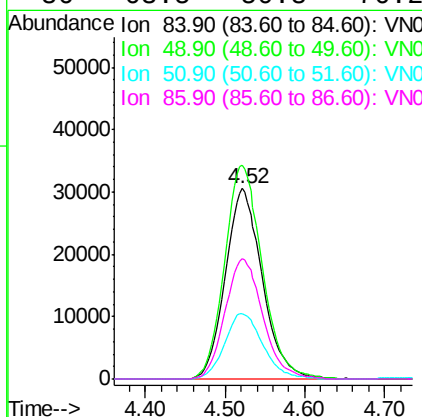
Manual Integrations
APPROVED

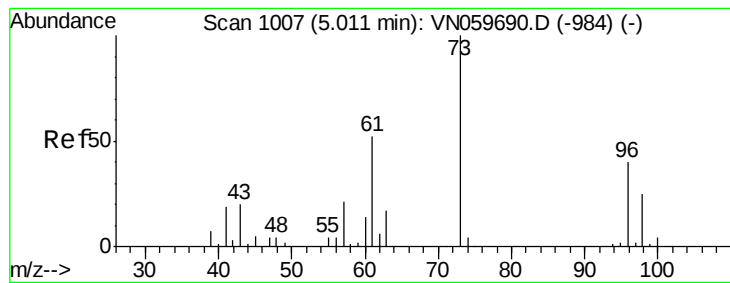
MMDadoda
1/14/2020 10:59:50 AM



#20
Methylene Chloride
Concen: 39.998 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion: 84 Resp: 96006
Ion Ratio Lower Upper
84 100
49 112.4 106.6 160.0
51 34.5 31.9 47.9
86 63.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 41.744 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 93895

Ion Ratio Lower Upper

96 100

61 129.8 120.4 180.6

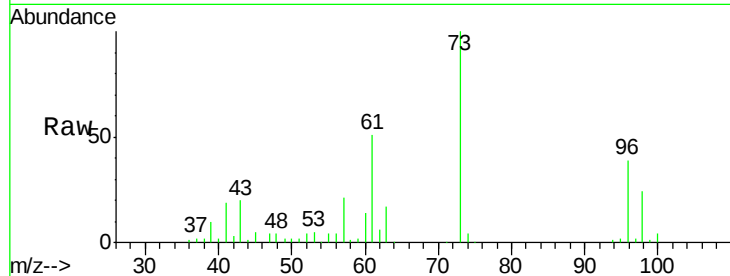
98 61.4 50.6 75.8

Manual Integrations

APPROVED

MMDadoda

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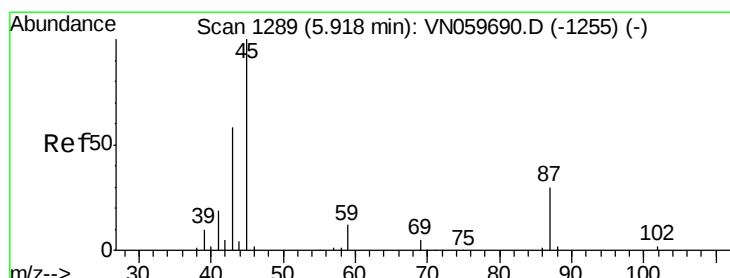
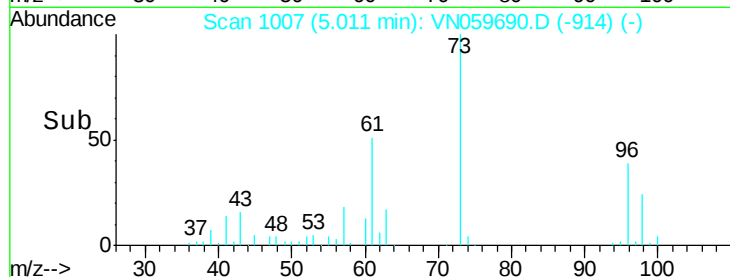
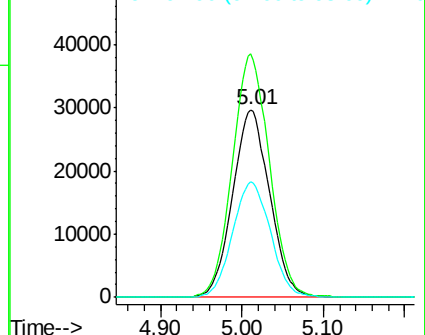


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 35.398 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Tgt Ion: 45 Resp: 270307

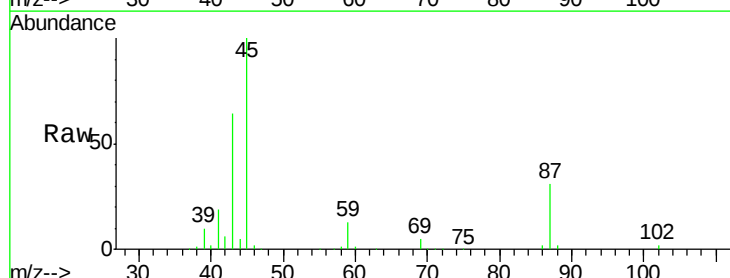
Ion Ratio Lower Upper

45 100

43 63.0 50.8 76.2

87 31.2 21.0 31.6

59 12.3 9.1 13.7



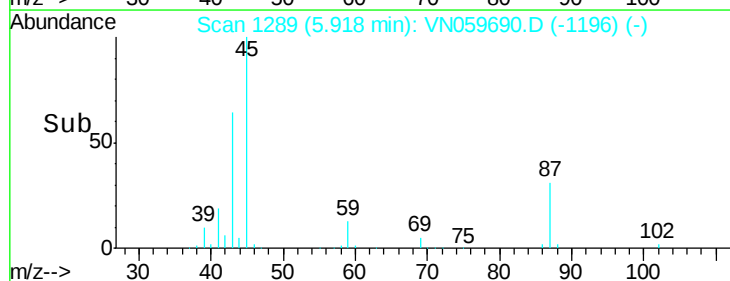
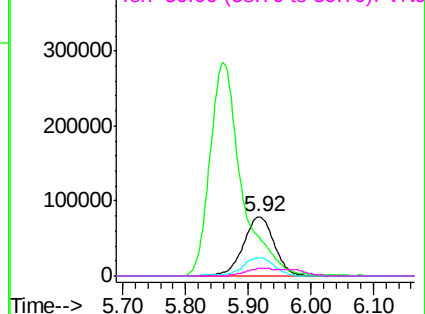
Abundance

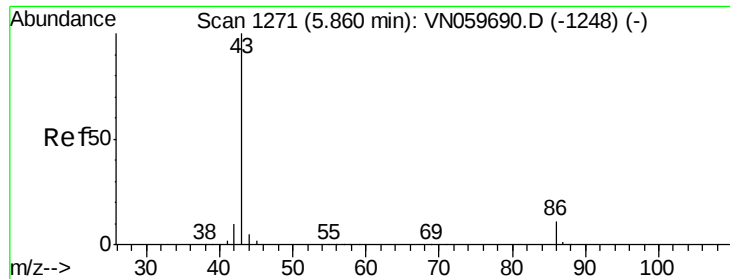
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 166.393 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 997140

Ion Ratio Lower Upper

43 100

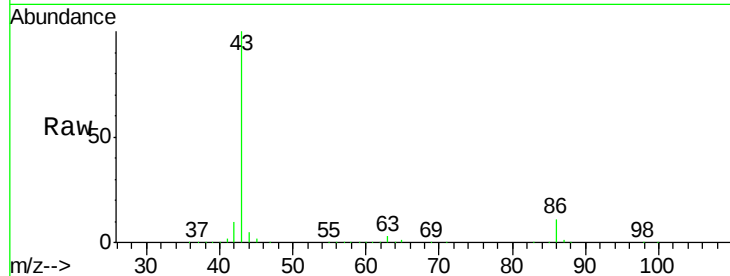
86 11.2 7.6 11.4

Manual Integrations

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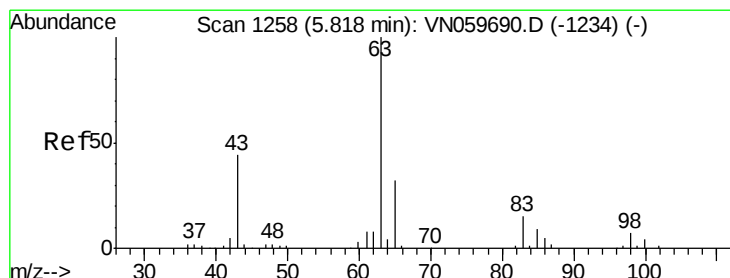
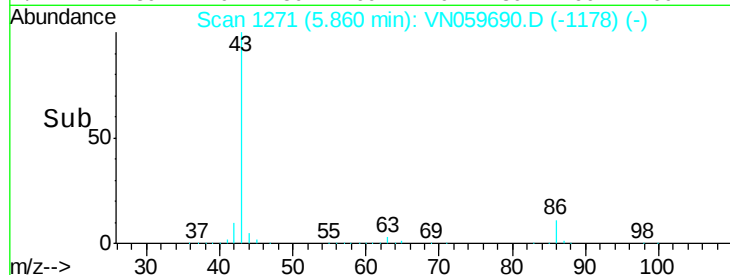
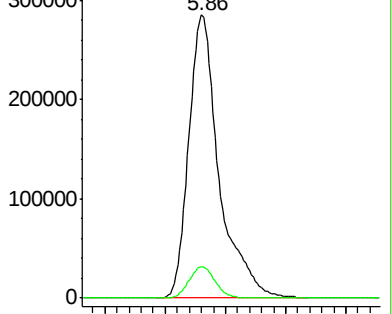
MMDadoda

1/14/2020 10:59:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 37.874 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

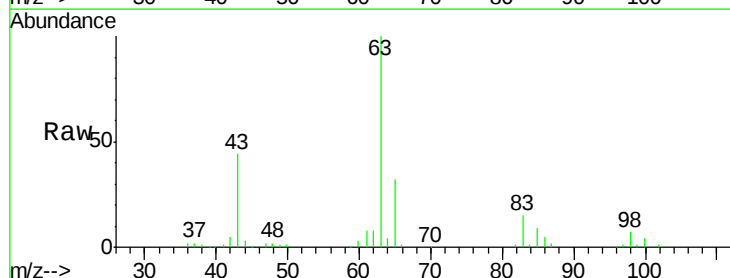
Tgt Ion: 63 Resp: 163828

Ion Ratio Lower Upper

63 100

98 6.7 2.9 8.7

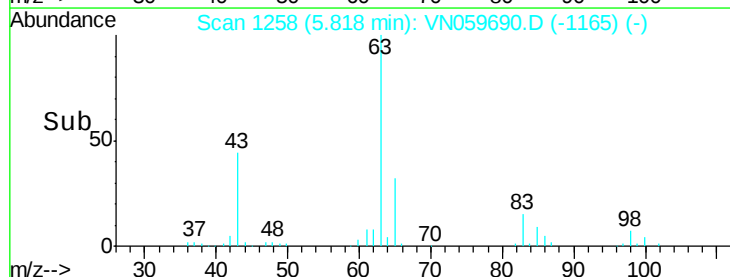
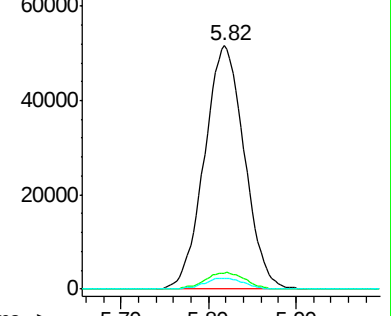
100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





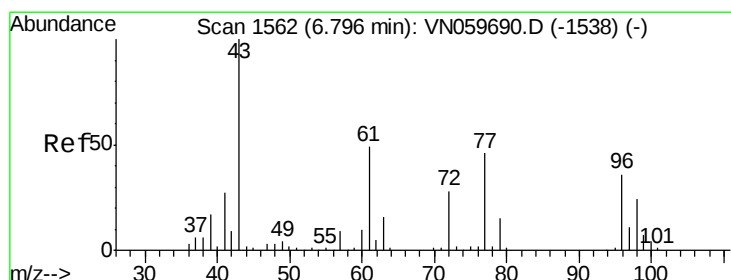
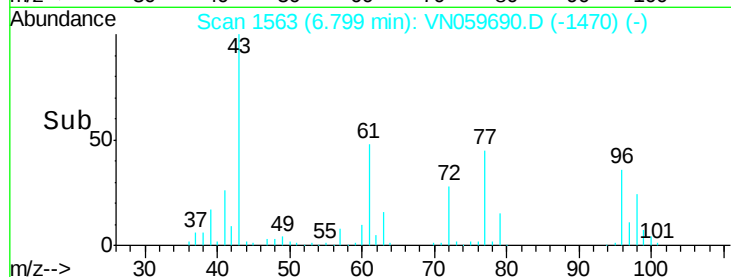
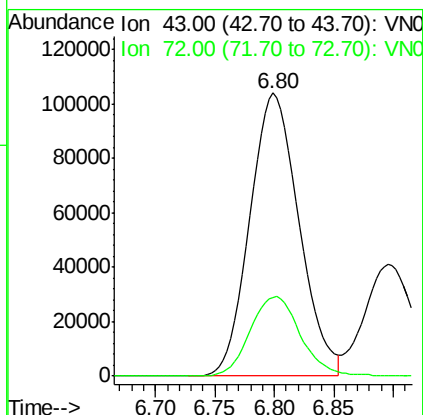
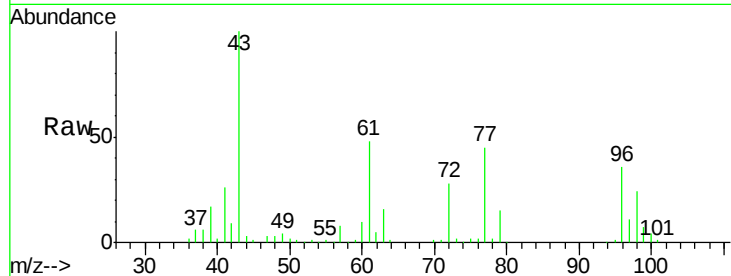
#25
2-Butanone
Concen: 149.088 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 296293
Ion Ratio Lower Upper
43 100
72 27.8 19.9 29.9

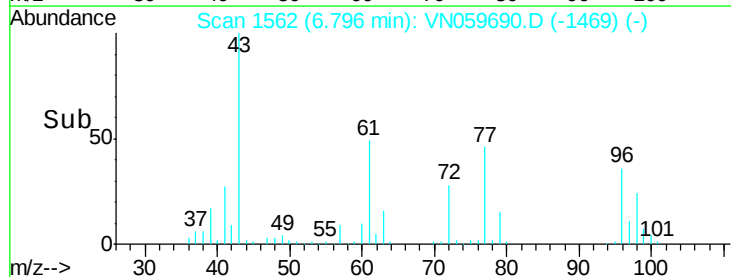
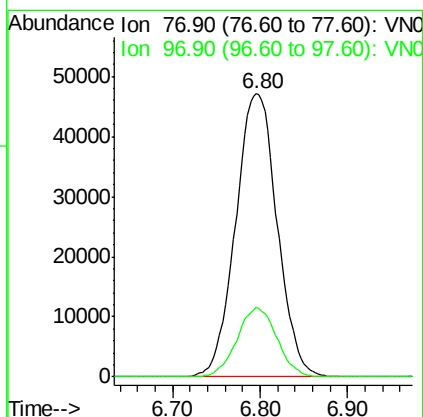
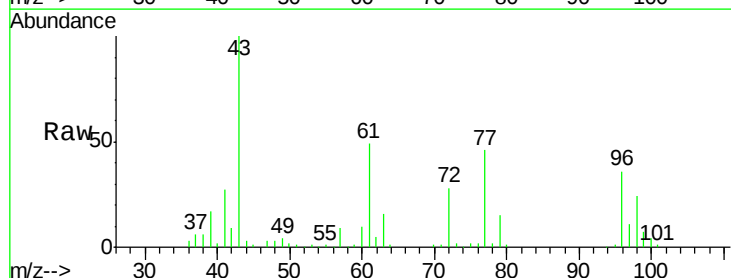
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#26
2,2-Dichloropropane
Concen: 39.386 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion: 77 Resp: 154843
Ion Ratio Lower Upper
77 100
97 23.6 10.7 31.9





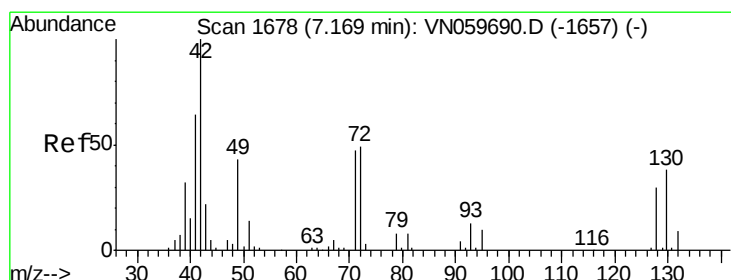
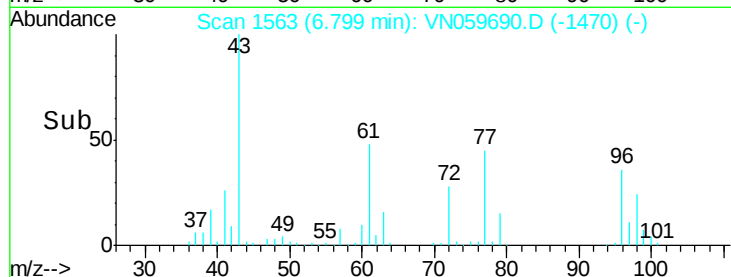
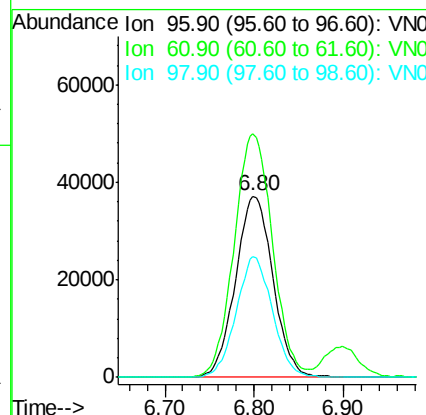
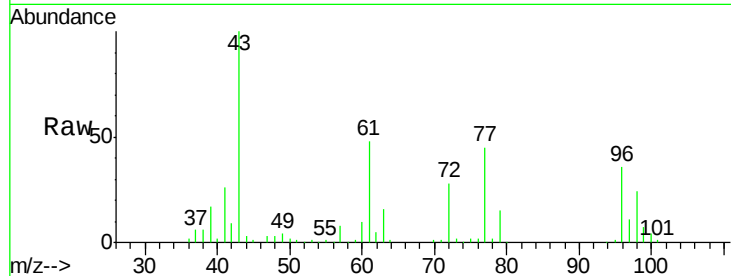
#27
 cis-1,2-Dichloroethene
 Concen: 43.490 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	108397		
61	138.0		0.0	317.6
98	64.3		0.0	127.0

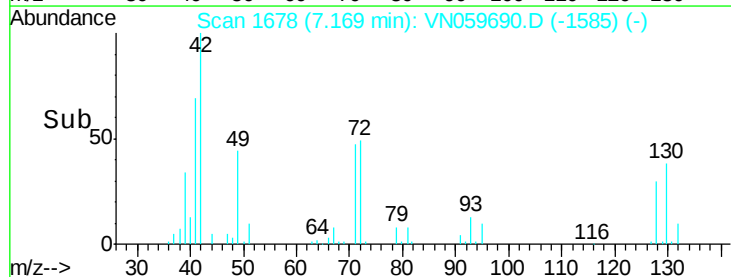
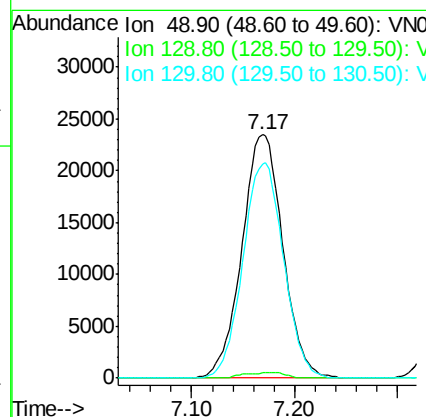
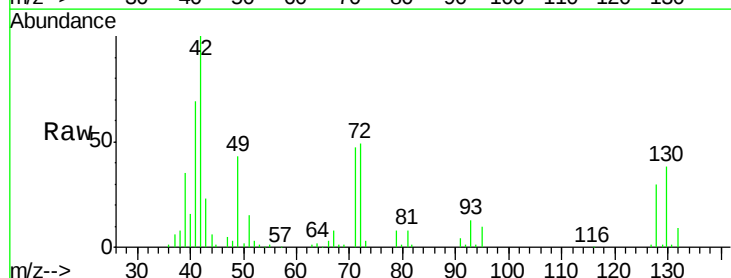
Manual Integrations
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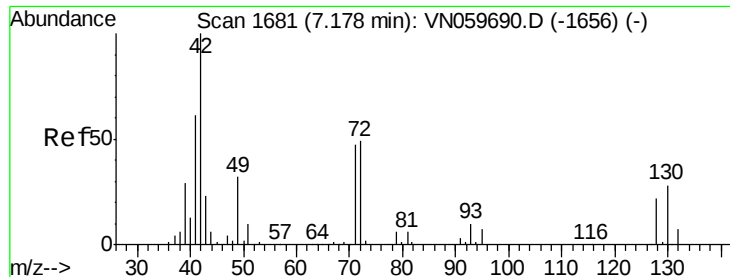
MMDadoda
 1/14/2020 10:59:50 AM



#28
 Bromochloromethane
 Concen: 43.738 ug/l
 RT: 7.17 min Scan# 1678
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	64879		
129	1.4		0.0	3.4
130	87.7		54.7	82.1#





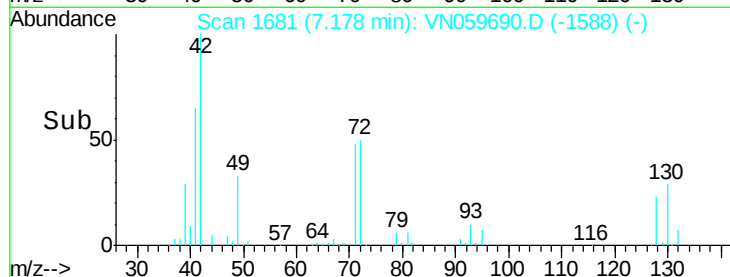
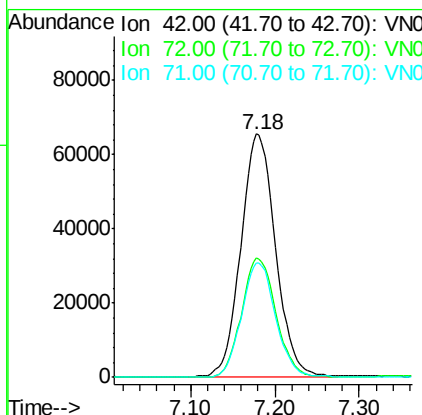
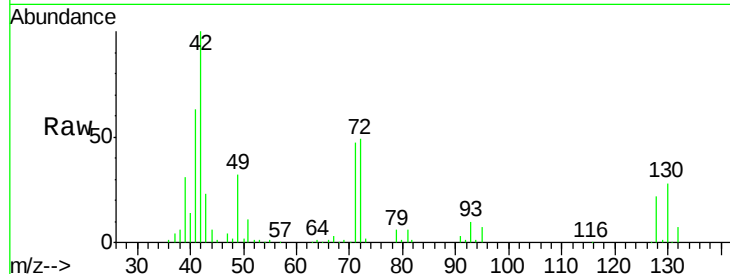
#29
Tetrahydrofuran
Concen: 155.242 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.8	33.1	49.7
71	46.0	31.4	47.0

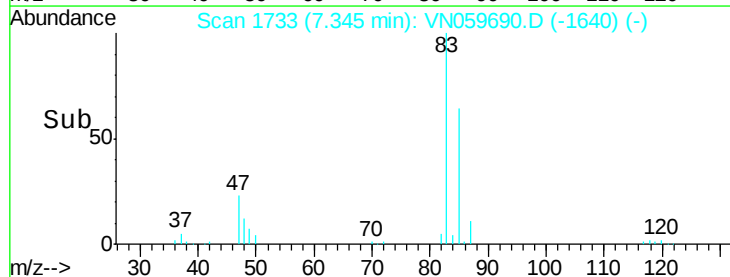
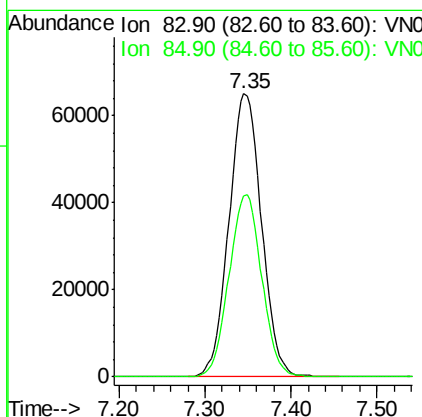
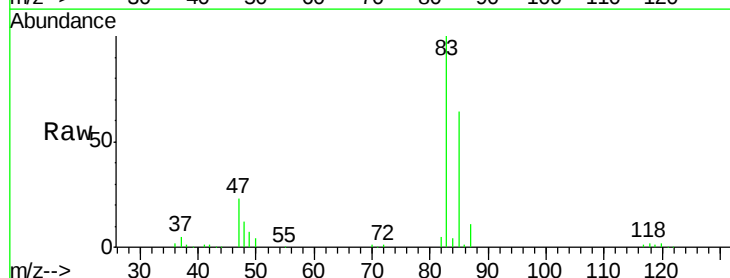
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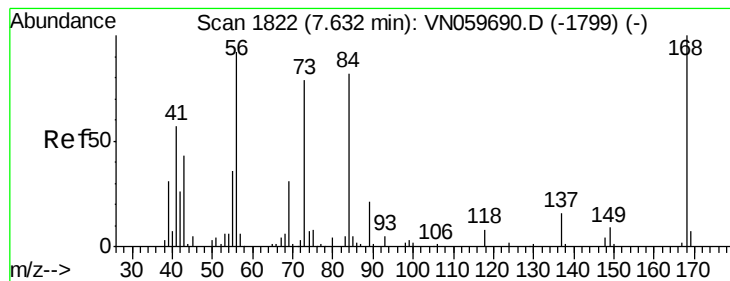
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#30
Chloroform
Concen: 40.250 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.4	78.6





#31

Cyclohexane

Concen: 37.352 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

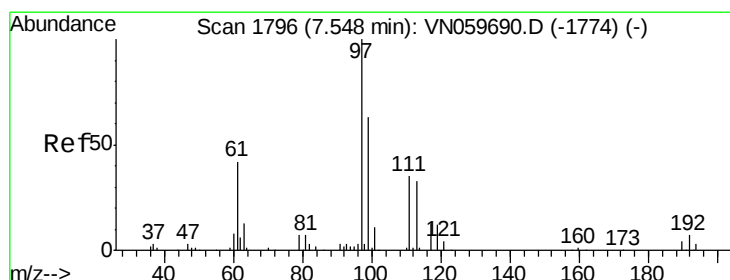
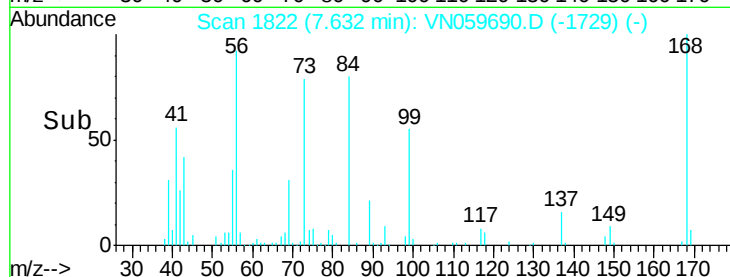
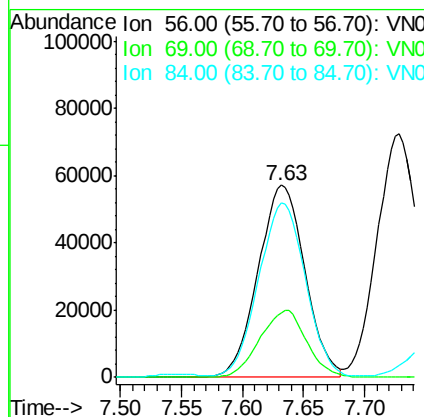
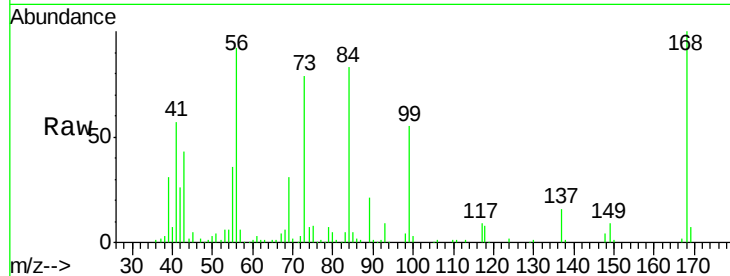
ClientSampleId :

VSTDICCC050

Tot Ion:	56	Resp:	152665
Ion Ratio	Lower	Upper	
56	100		
69	33.7	26.5	39.7
84	89.3	65.3	97.9

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#32

1,1,1-Trichloroethane

Concen: 41.613 ug/l

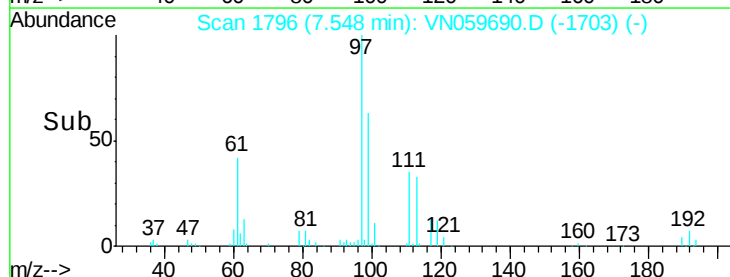
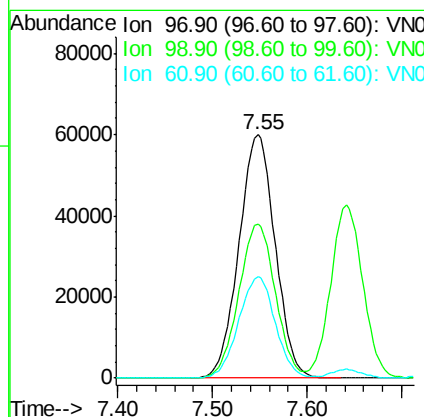
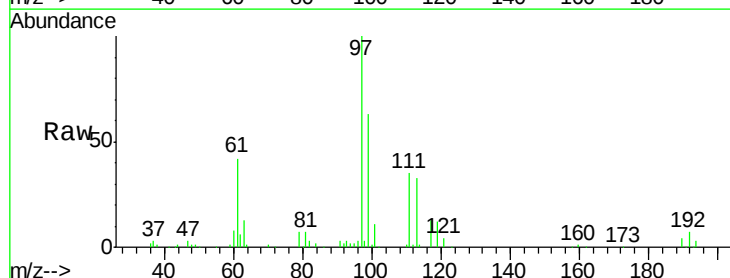
RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Tgt Ion:	97	Resp:	159739
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.0	76.4
61	42.2	38.5	57.7





#33

1,2-Dichloroethane-d4

Concen: 38.879 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Tot Ion: 65 Resp: 108833

Ion Ratio Lower Upper

65 100

67 53.4 0.0 103.0

Instrument :

MSVOA_N

ClientSampleId :

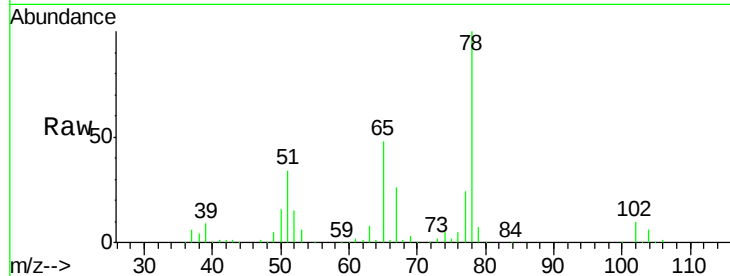
VSTDICCC050

Manual Integrations

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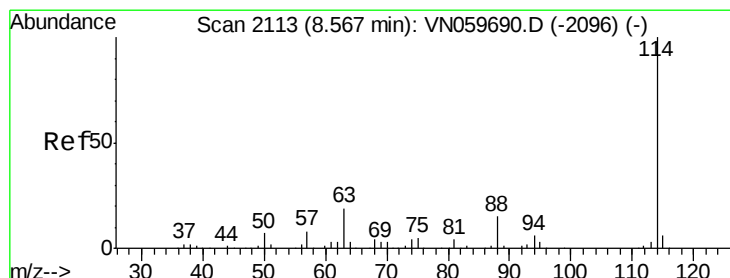
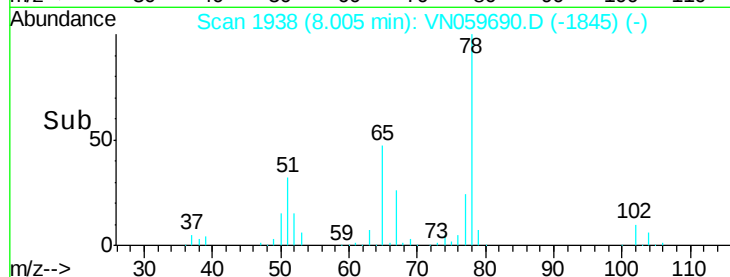
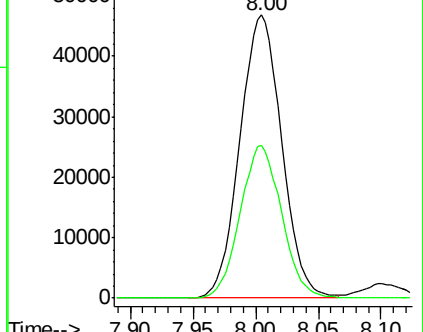
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Abundance Ion 64.90 (64.60 to 65.60): VN059690.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059690.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

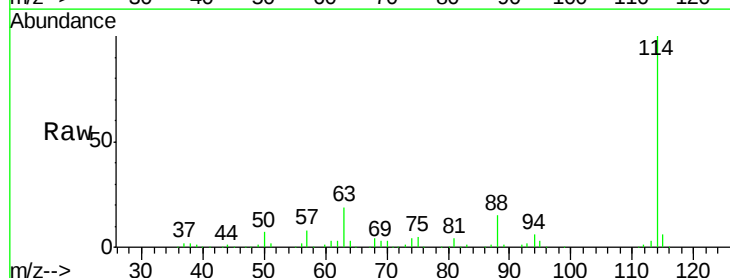
Tgt Ion: 114 Resp: 299824

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.6

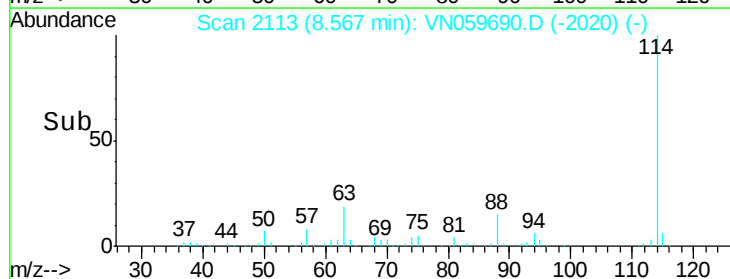
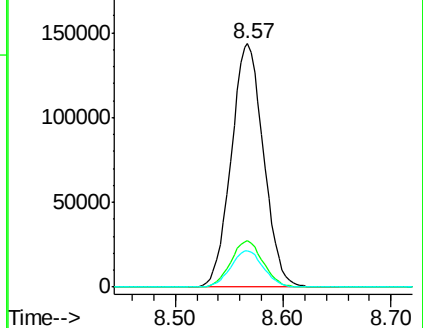
88 15.0 0.0 31.4

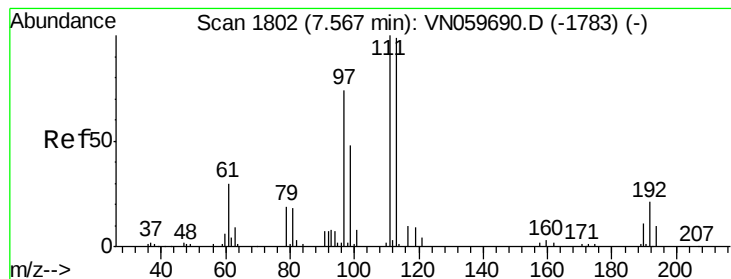


Abundance Ion 113.90 (113.60 to 114.60): VN059690.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN059690.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN059690.D (-2096) (-)





#35

Dibromofluoromethane

Concen: 48.791 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

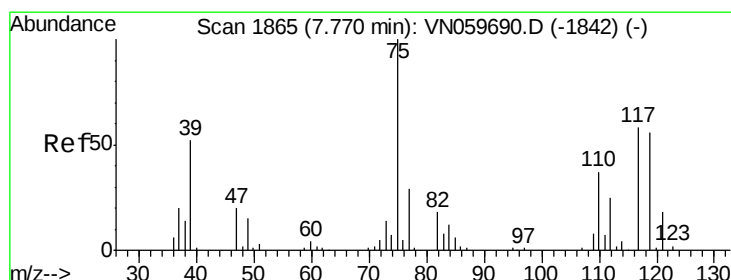
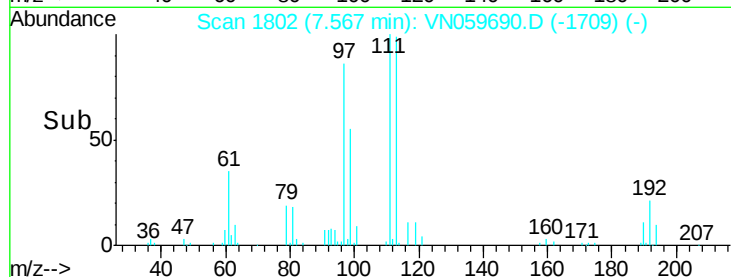
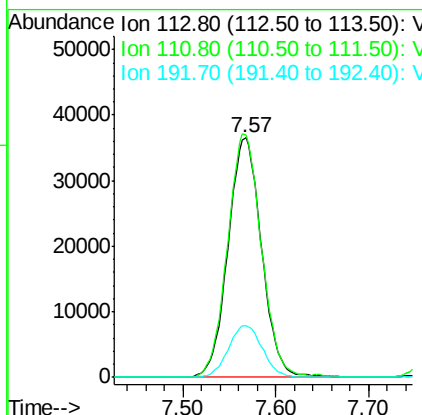
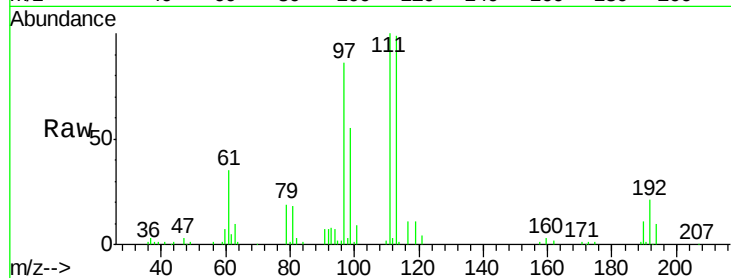
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	91530
Ion Ratio	Lower	Upper	
113	100		
111	102.1	83.5	125.3
192	21.8	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 42.024 ug/l

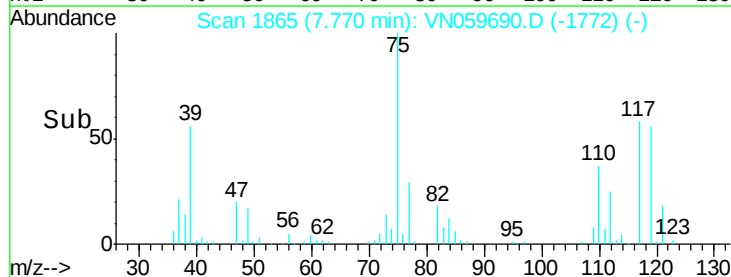
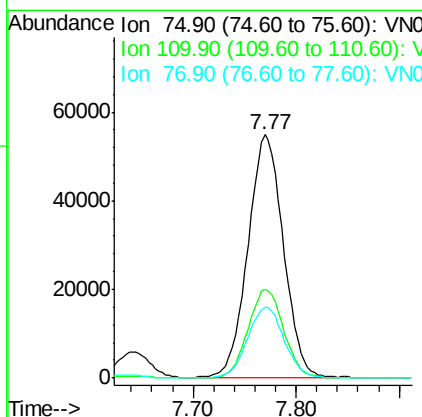
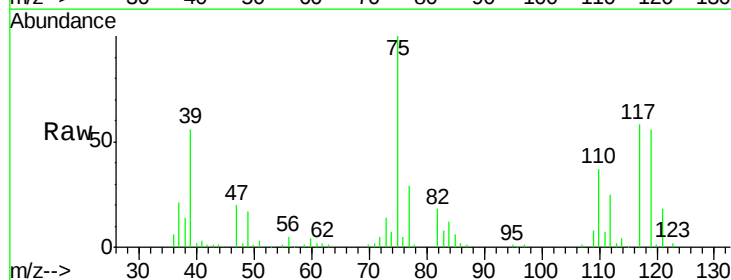
RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Tgt Ion:	75	Resp:	131398
Ion Ratio	Lower	Upper	
75	100		
110	36.7	16.6	49.7
77	30.2	25.1	37.7





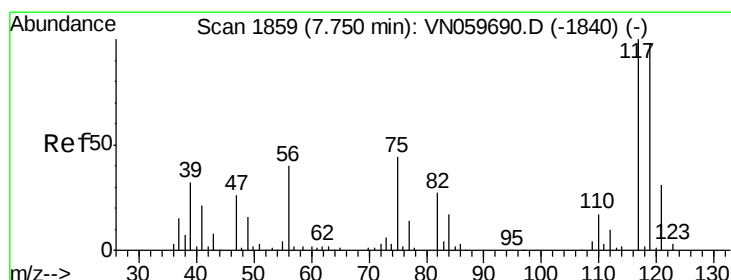
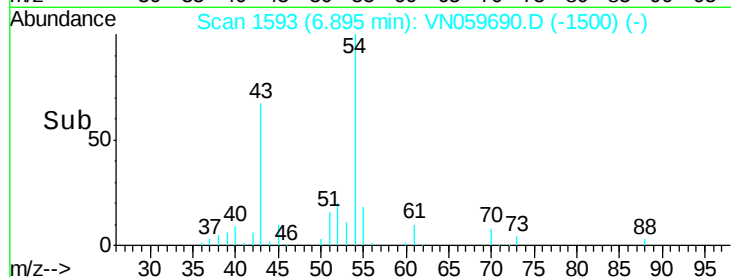
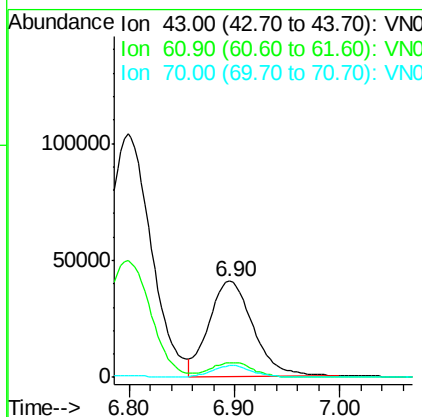
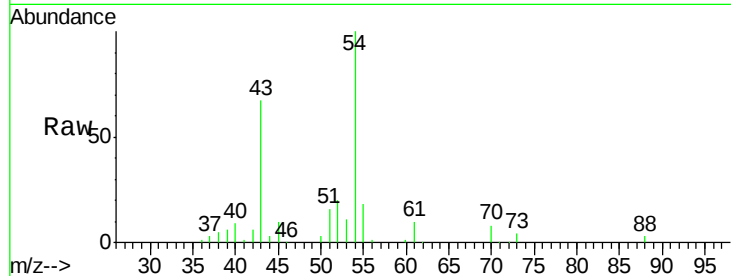
#37
Ethyl Acetate
Concen: 32.524 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.9	16.3
70	11.5	7.7	11.5

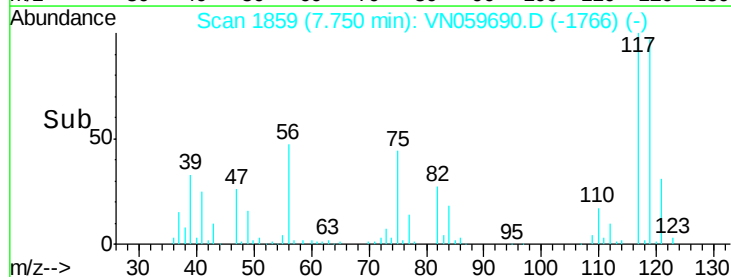
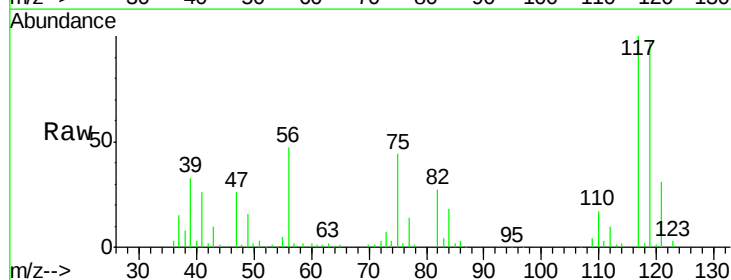
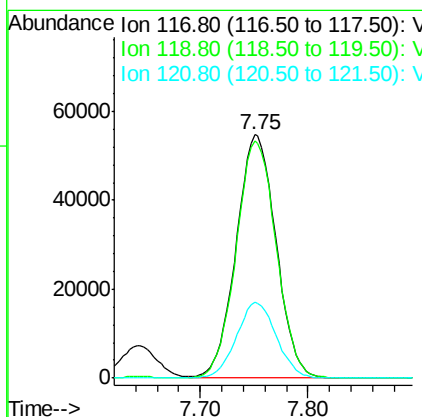
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#38
Carbon Tetrachloride
Concen: 43.416 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.5	114.7
121	31.0	25.1	37.7





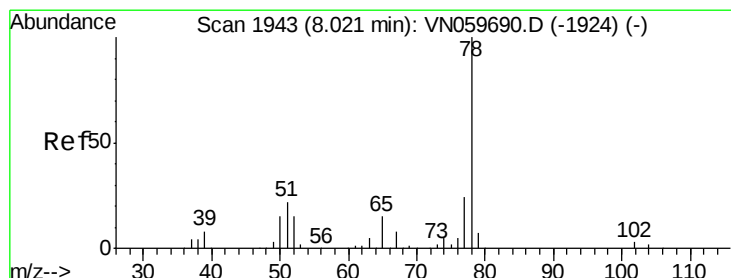
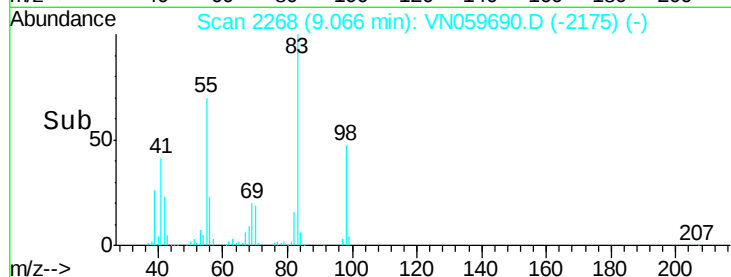
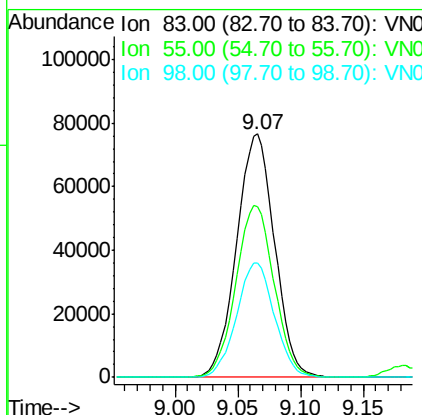
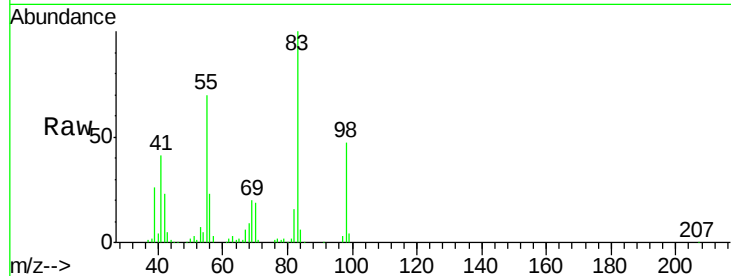
#39
Methvlcvclohexane
Concen: 45.500 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.1	64.2	96.2
98	47.0	35.9	53.9

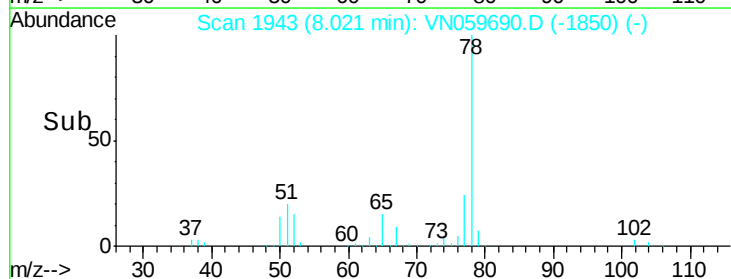
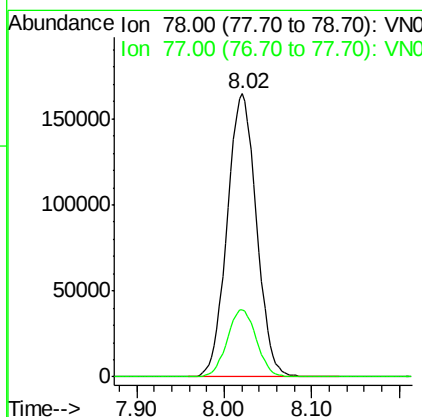
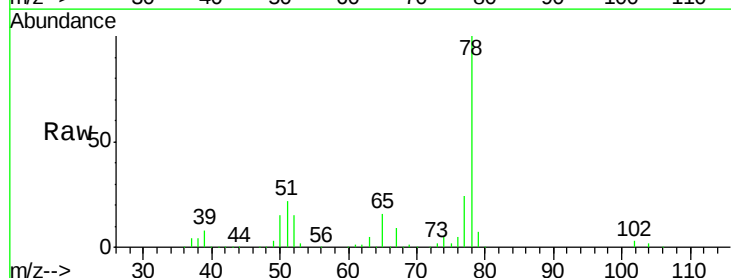
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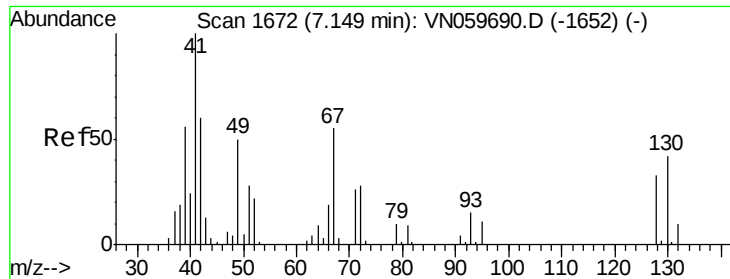
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#40
Benzene
Concen: 41.903 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3





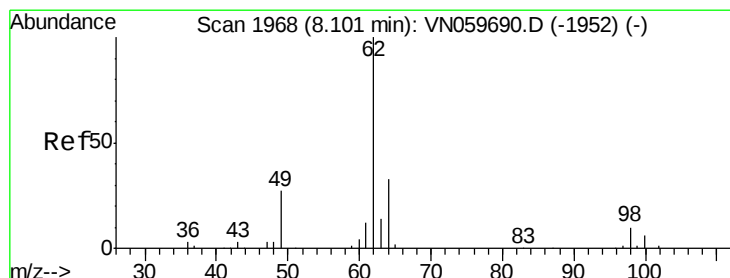
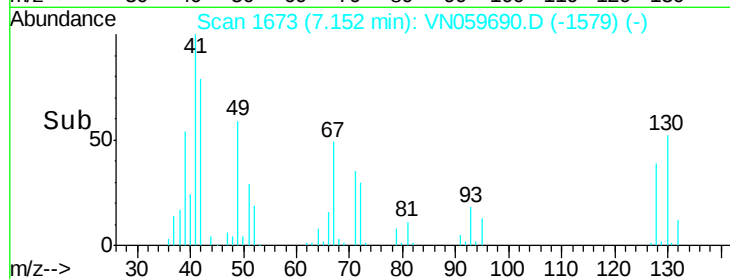
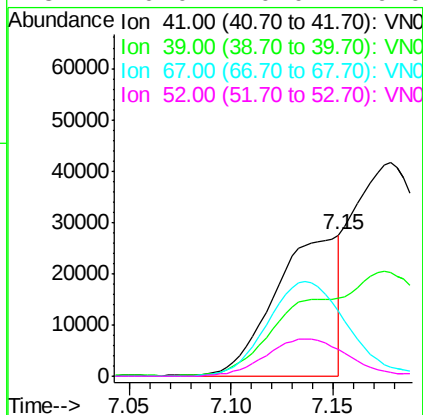
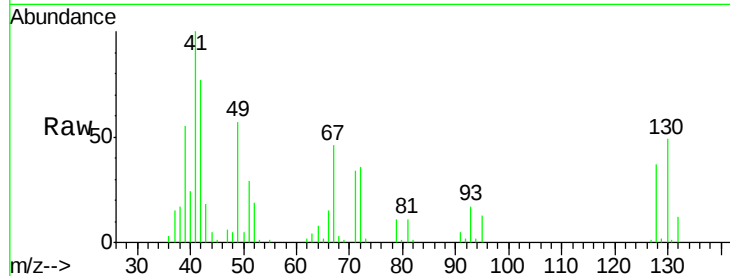
#41
Methacrylonitrile
Concen: 39.543 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	59306
Ion	Ratio	Lower	Upper
41	100		
39	156.0	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

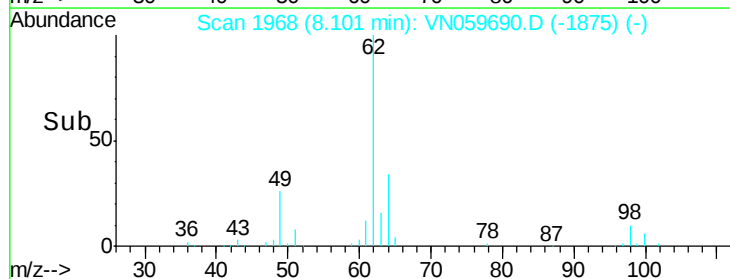
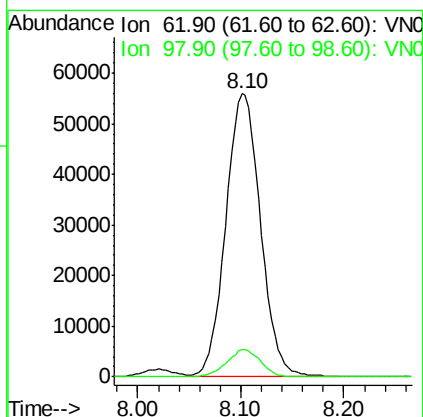
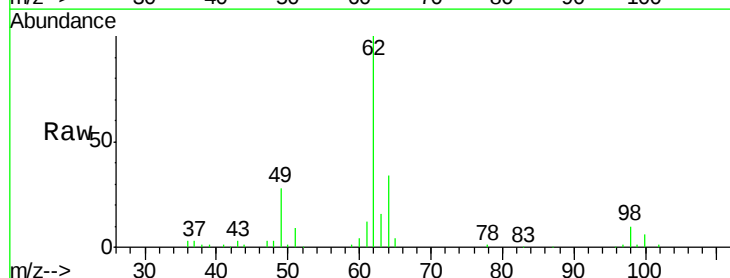
Manual Integrations
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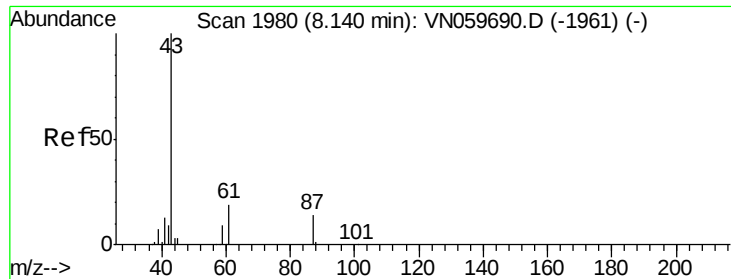
MMDadoda
1/14/2020 10:59:50 AM



#42
1,2-Dichloroethane
Concen: 37.507 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	62	Resp	131251
Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	15.8





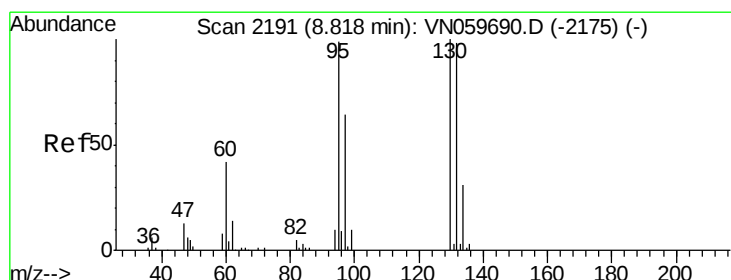
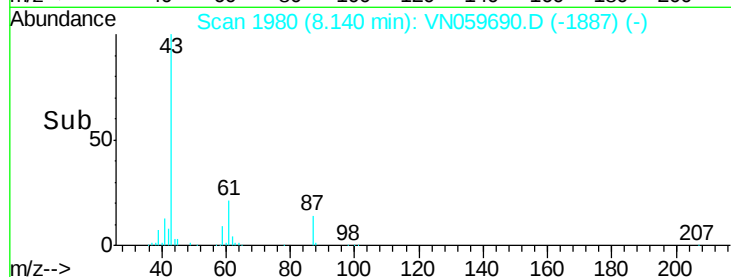
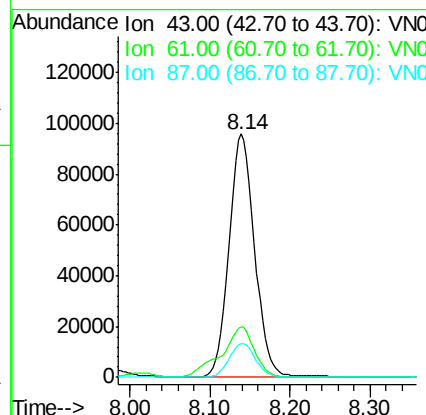
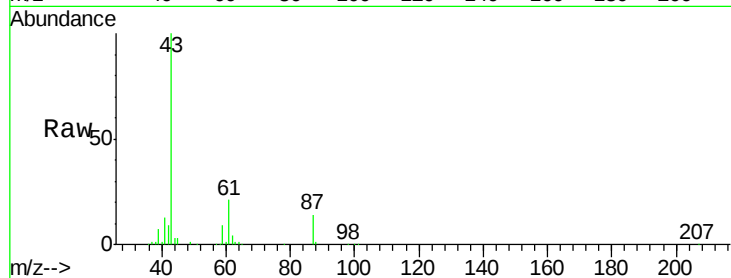
#43
Isopropyl Acetate
Concen: 37.012 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	20.2	30.2
87	14.3	9.5	14.3

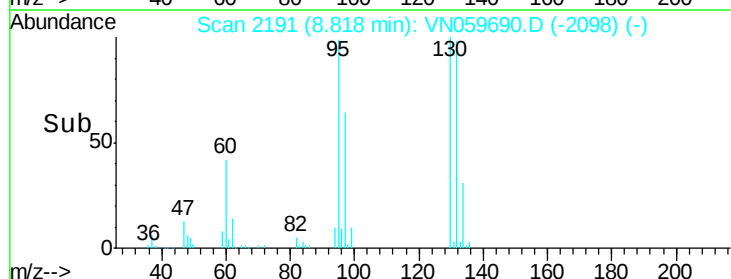
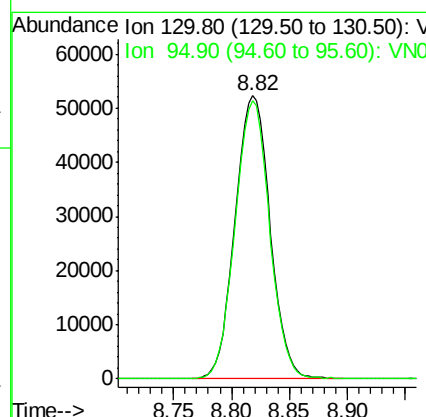
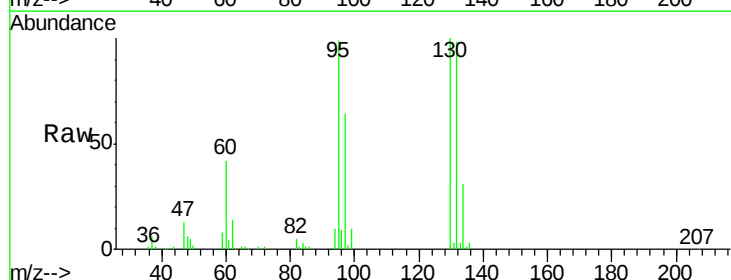
Manual Integrations
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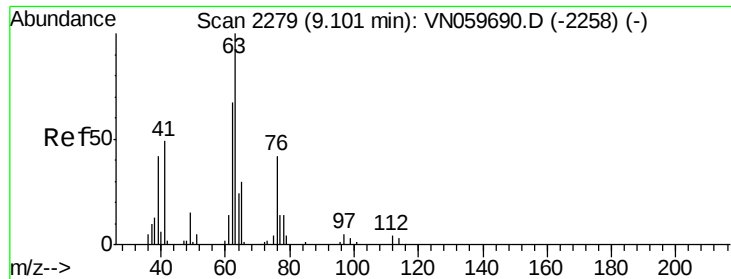
MMDadoda
1/14/2020 10:59:50 AM



#44
Trichloroethene
Concen: 45.672 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	207.0





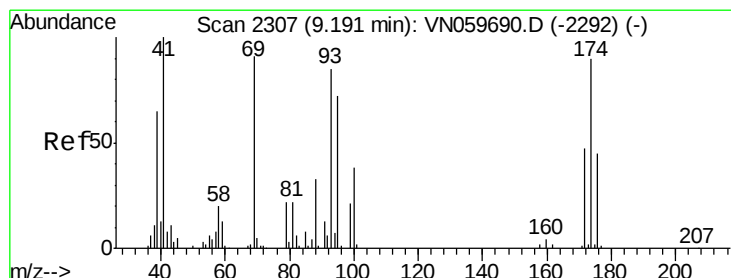
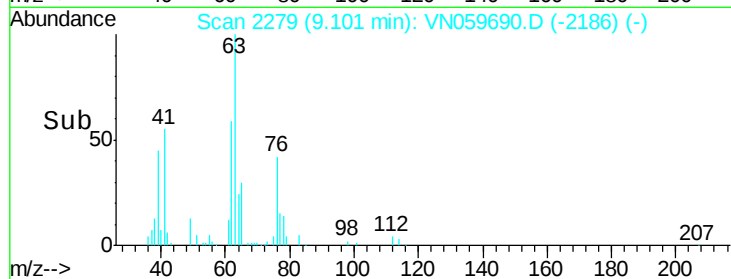
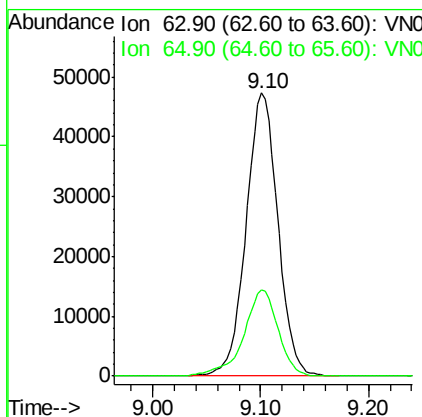
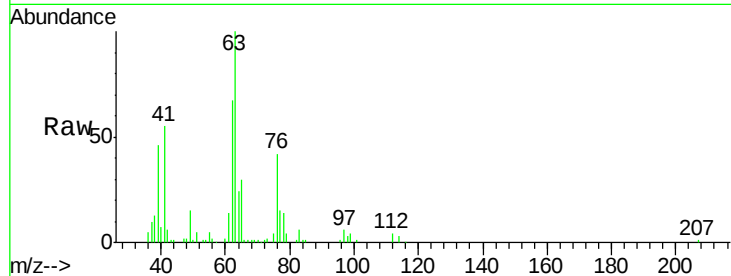
#45
 1,2-Dichloropropane
 Concen: 39.249 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	63	Resp	96847
Ion Ratio	Lower	Upper	
63	100		
65	30.3	24.9	37.3

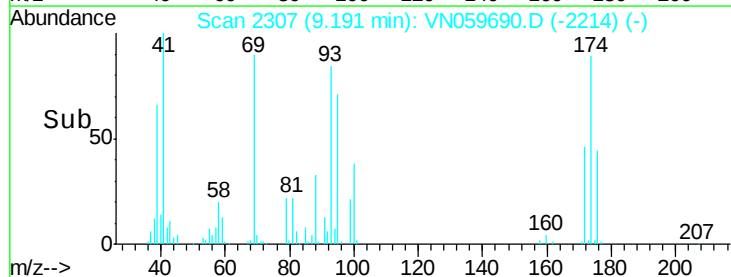
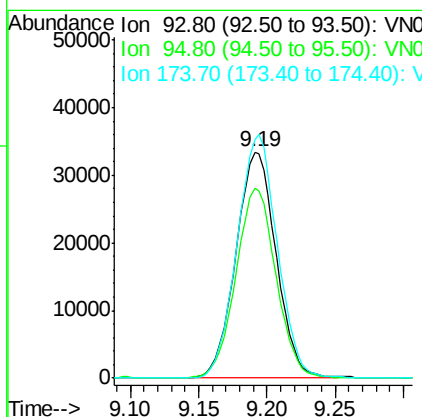
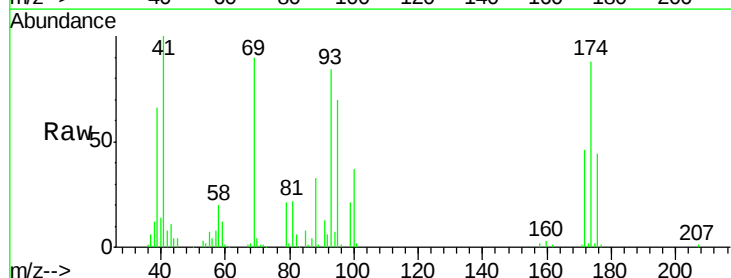
Manual Integrations
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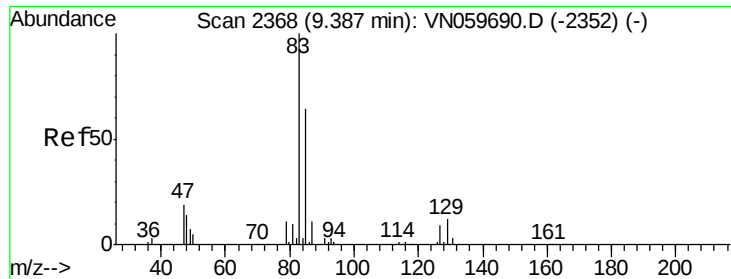
MMDadoda
 1/14/2020 10:59:50 AM



#46
 Dibromomethane
 Concen: 42.381 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Tgt Ion	93	Resp	68511
Ion Ratio	Lower	Upper	
93	100		
95	83.5	67.0	100.6
174	107.6	73.4	110.2





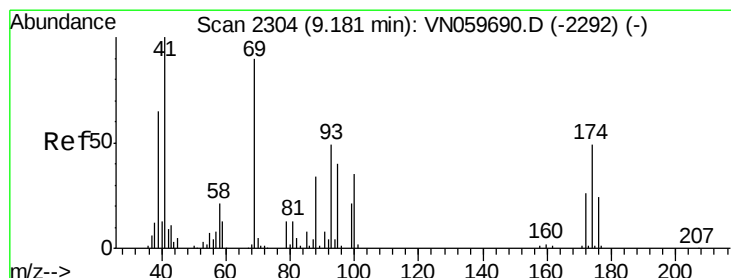
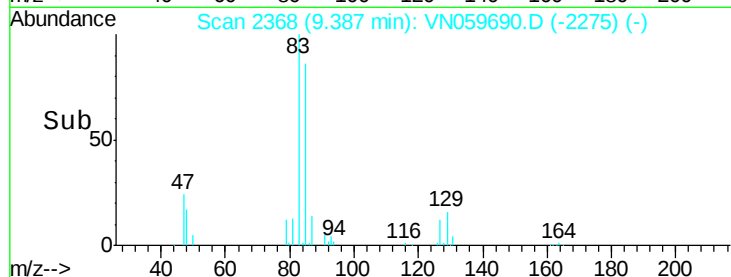
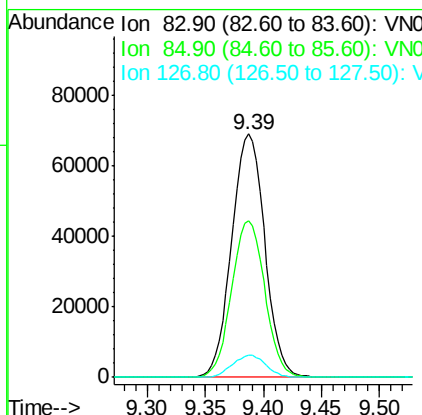
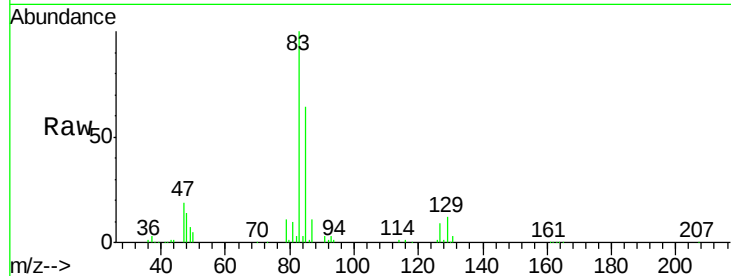
#47
Bromodichloromethane
Concen: 42.628 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.5	51.1	76.7	
127	9.1	6.6	9.8	

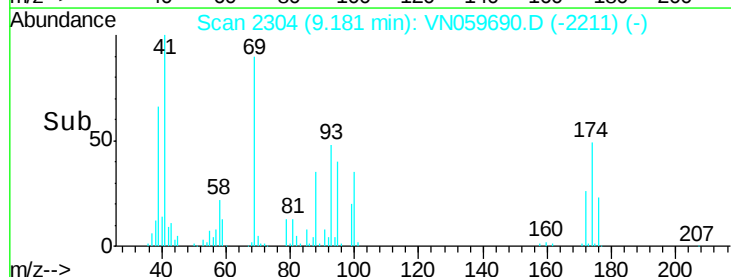
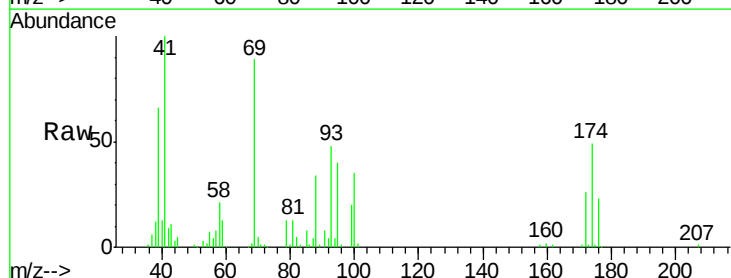
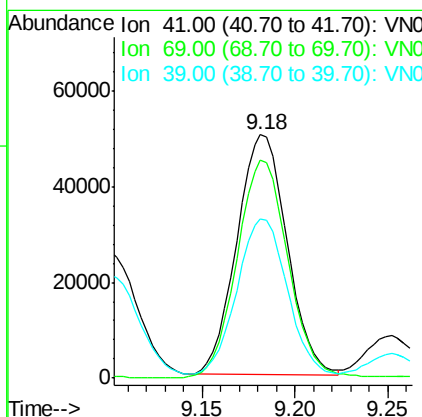
Manual Integrations
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MMDadoda
1/14/2020 10:59:50 AM



#48
Methyl methacrylate
Concen: 36.960 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	92.4	64.4	96.6	
39	67.2	51.3	76.9	





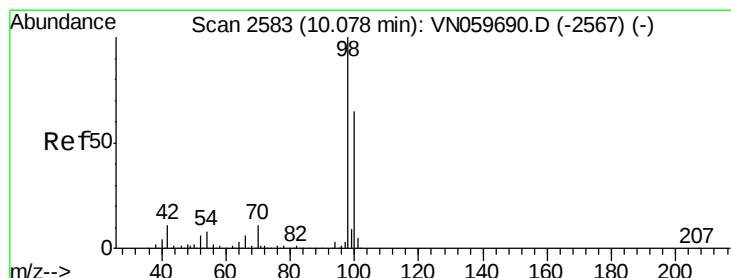
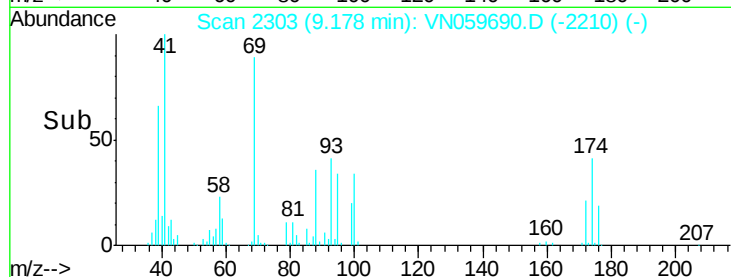
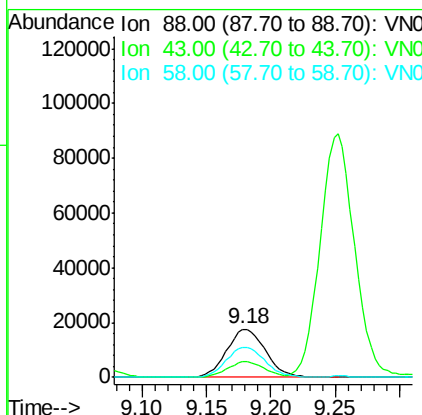
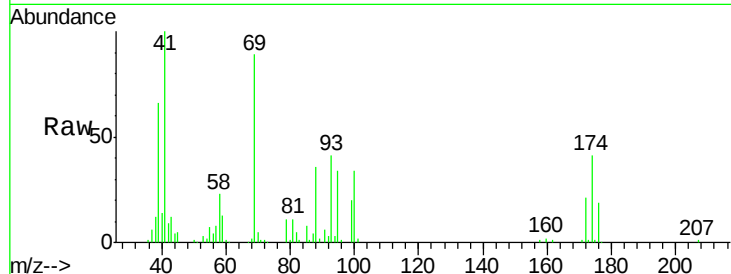
#49
1,4-Dioxane
Concen: 997.163 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.9	29.7	44.5
58	63.9	56.6	85.0

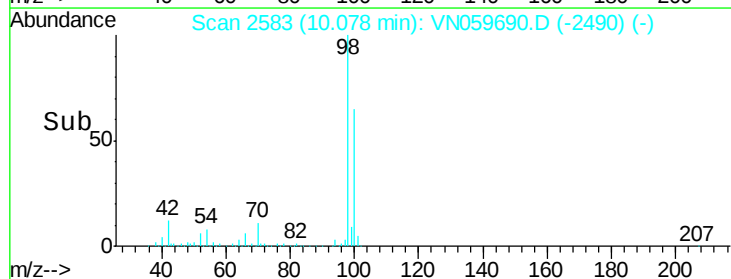
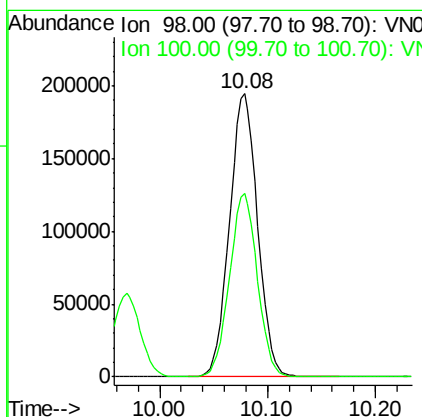
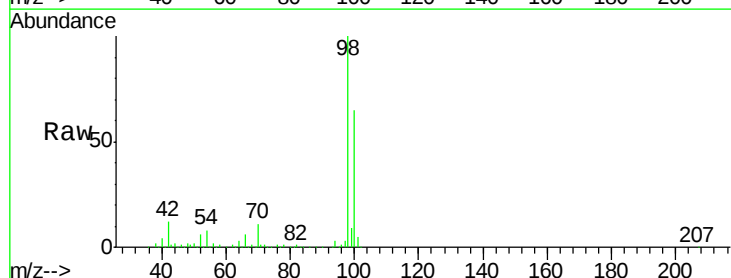
Manual Integrations
APPROVED

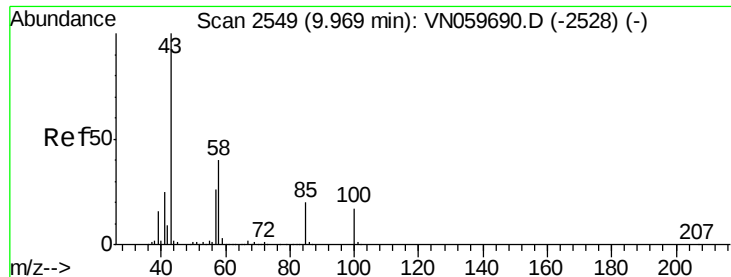
MMDadoda
1/14/2020 10:59:50 AM



#50
Toluene-d8
Concen: 47.514 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





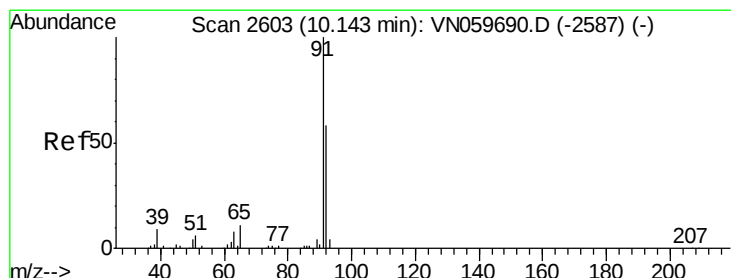
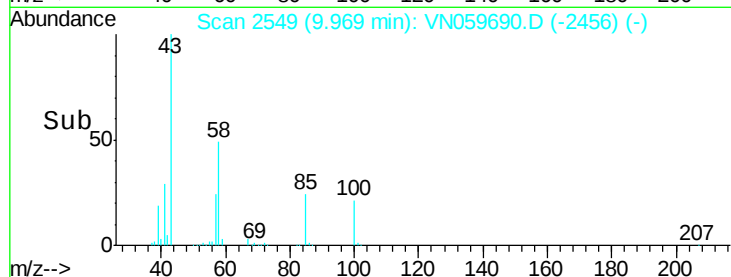
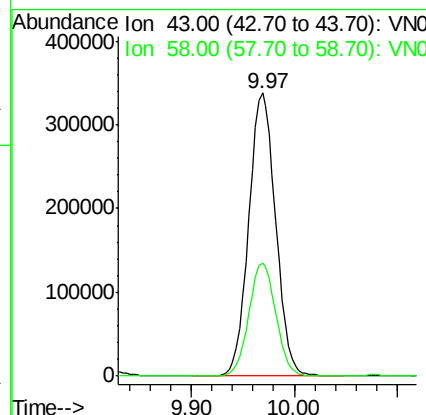
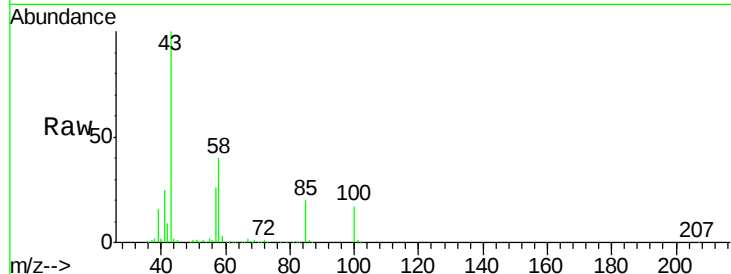
#51
4-Methyl-2-Pentanone
Concen: 180.995 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	29.8	44.8

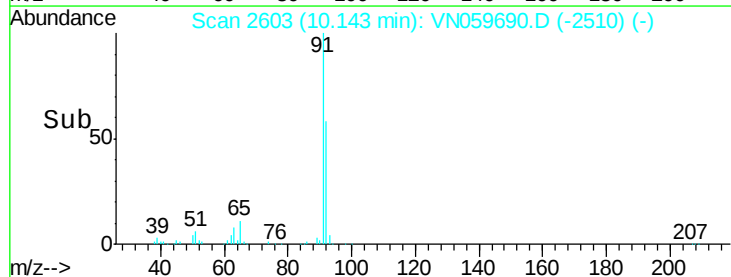
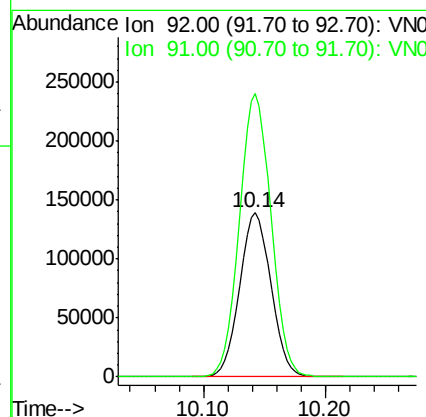
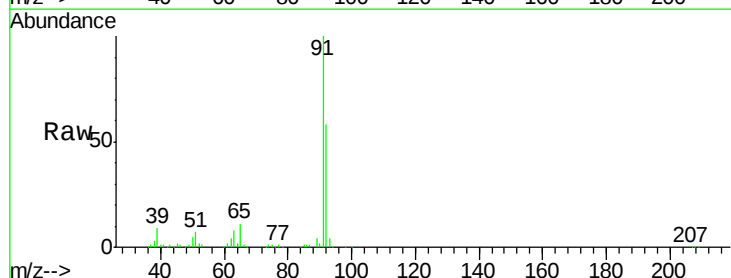
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1/14/2020 10:59:50 AM



#52
Toluene
Concen: 44.086 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.3	140.4	210.6





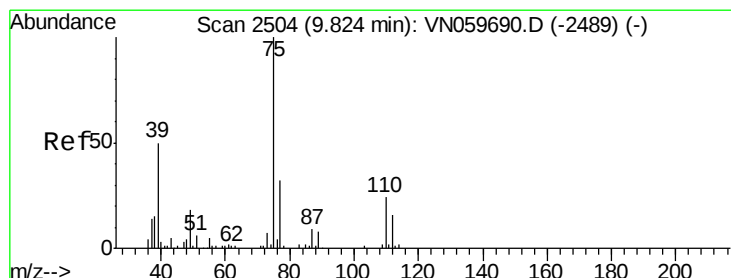
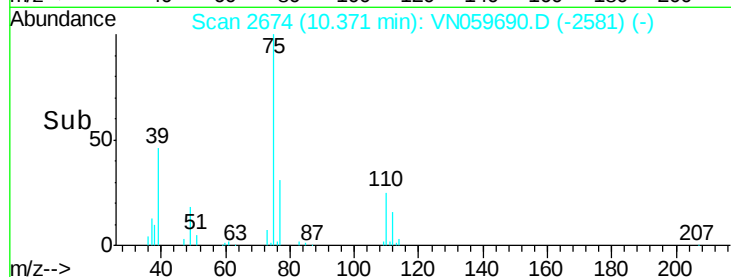
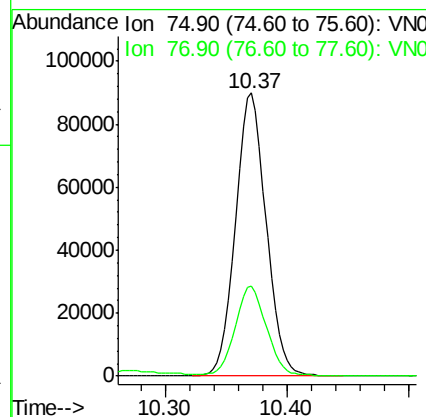
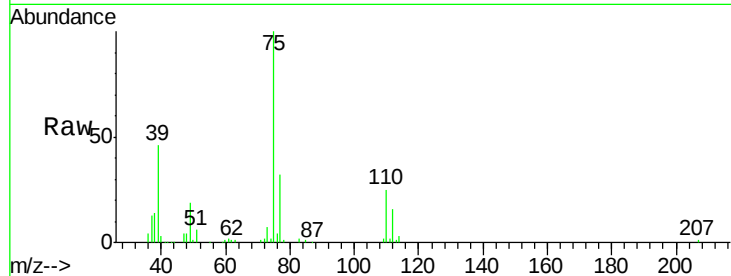
#53
t-1,3-Dichloropropene
Concen: 42.136 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 75 Resp: 157061
Ion Ratio Lower Upper
75 100
77 31.4 25.4 38.2

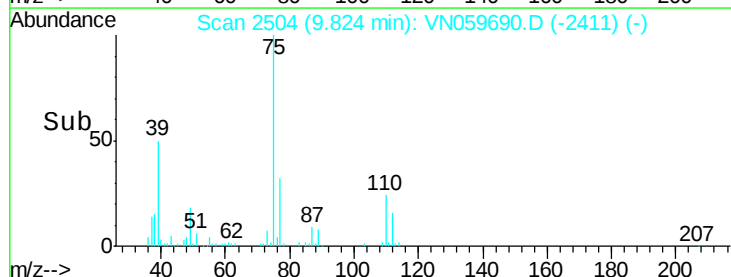
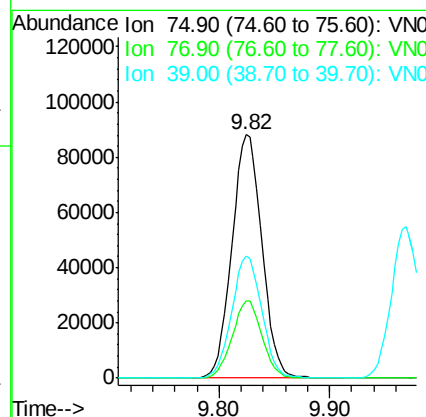
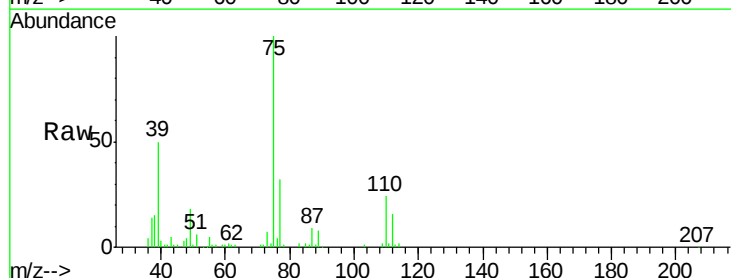
Manual Integrations
APPROVED

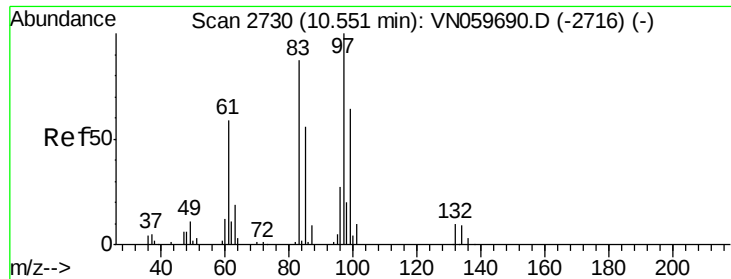
MMDadoda
1/14/2020 10:59:50 AM



#54
cis-1,3-Dichloropropene
Concen: 42.343 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion: 75 Resp: 165907
Ion Ratio Lower Upper
75 100
77 32.0 25.1 37.7
39 50.2 46.1 69.1





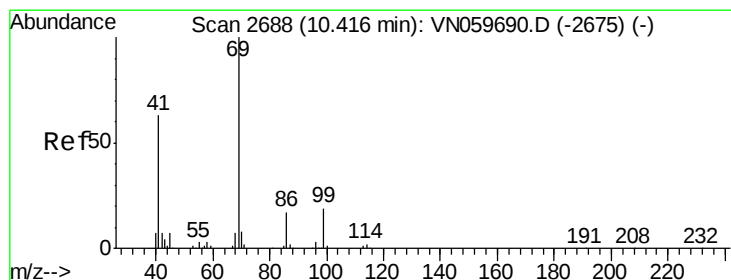
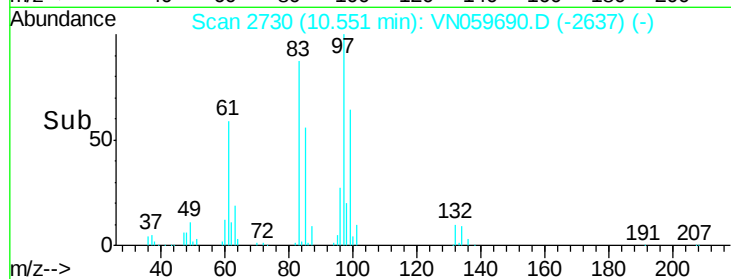
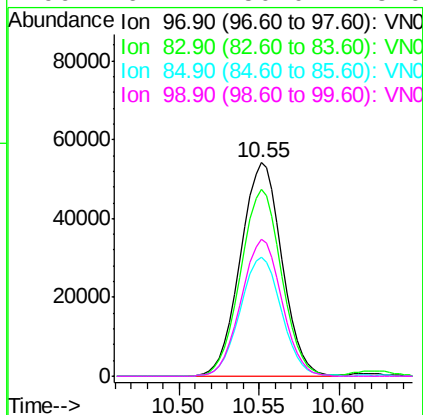
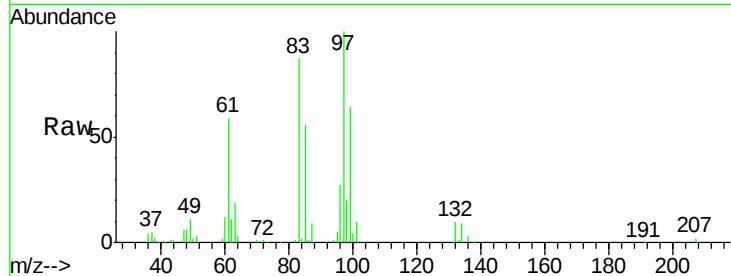
#55
 1,1,2-Trichloroethane
 Concen: 43.595 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.3	106.9
85	55.8	45.8	68.8
99	64.2	50.0	75.0

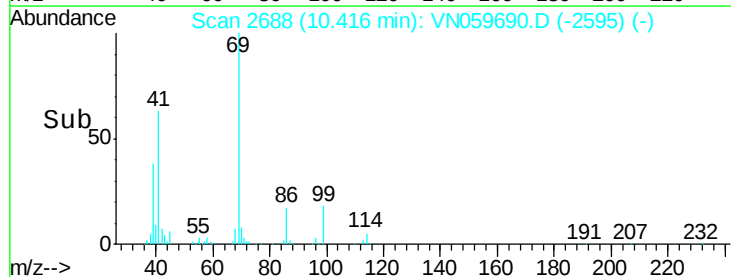
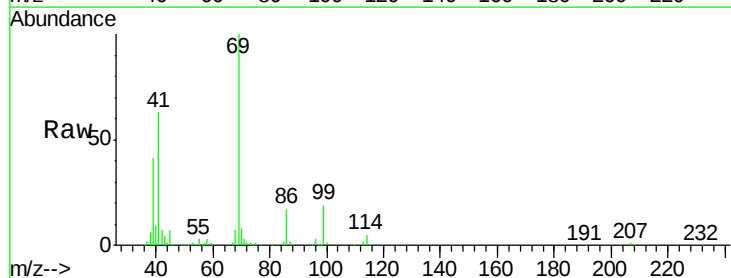
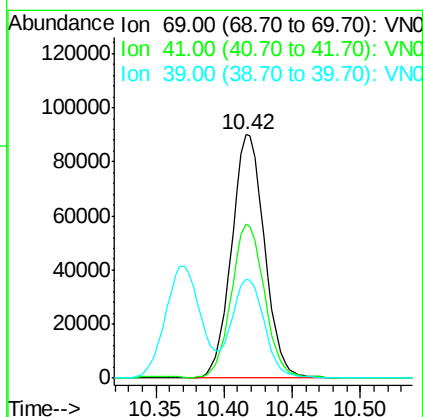
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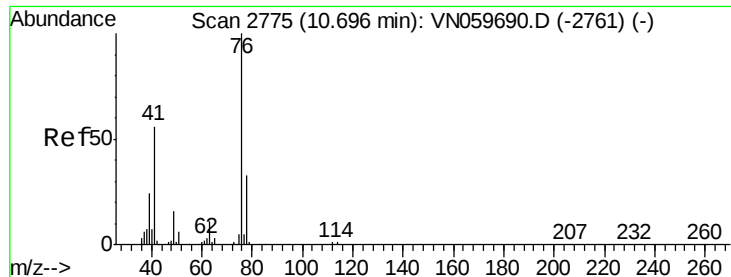
MMDadoda
 1/14/2020 10:59:50 AM



#56
 Ethyl methacrylate
 Concen: 46.223 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.4	57.1	85.7
39	41.0	34.7	52.1





#57

1,3-Dichloropropane

Concen: 41.061 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 76 Resp: 157509

Ion Ratio Lower Upper

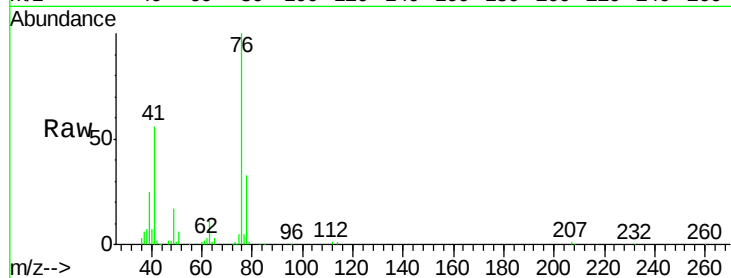
76 100

78 32.6 25.8 38.8

Manual Integrations
APPROVED

MMDadoda

1/14/2020 10:59:50 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

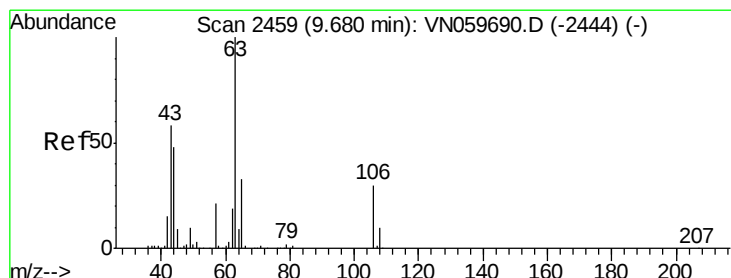
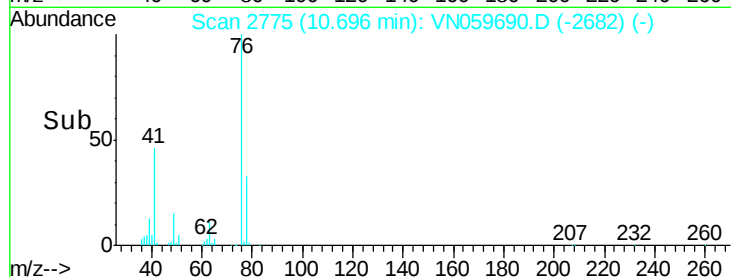
60000

40000

20000

0

Time--> 10.60 10.65 10.70 10.75



#58

2-Chloroethyl Vinyl ether

Concen: 241.692 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059690.D

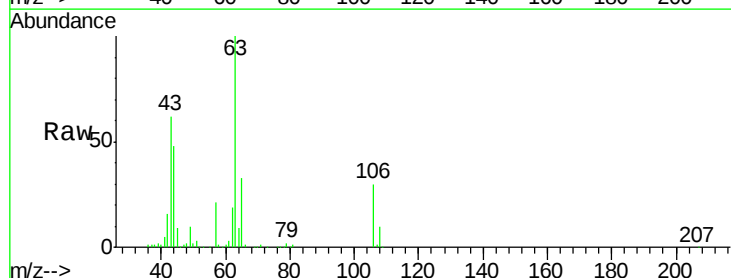
Acq: 13 Jan 2020 14:53

Tgt Ion: 63 Resp: 251404

Ion Ratio Lower Upper

63 100

106 29.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

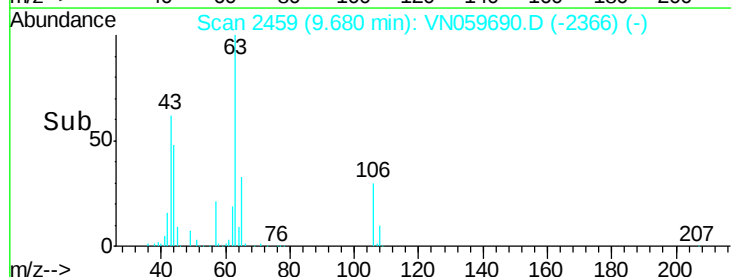
150000

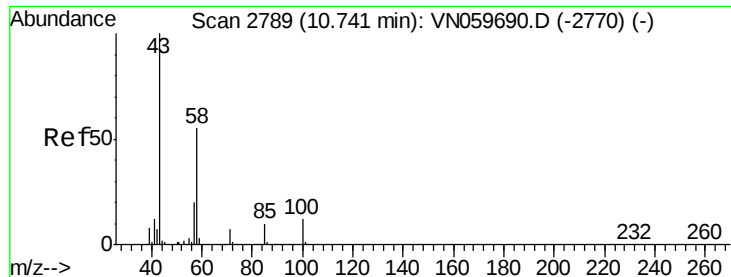
100000

50000

0

Time--> 9.60 9.70 9.80





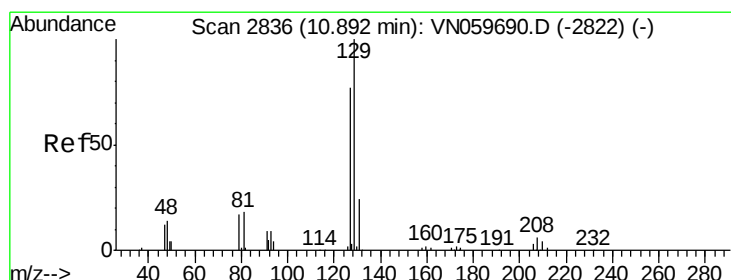
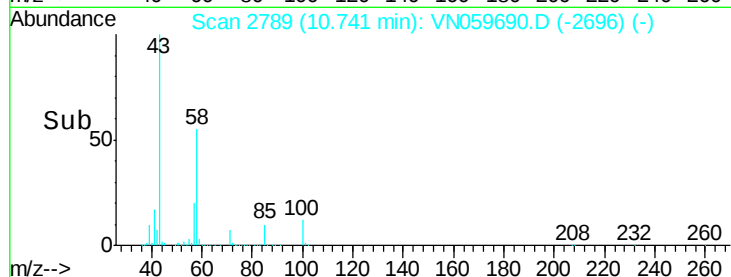
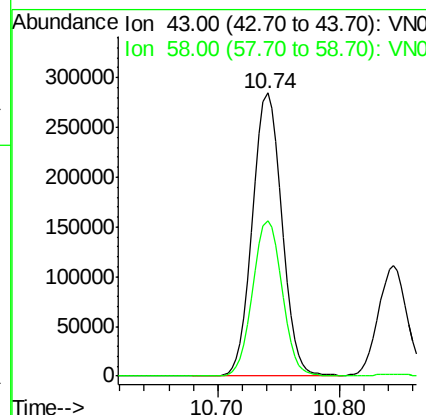
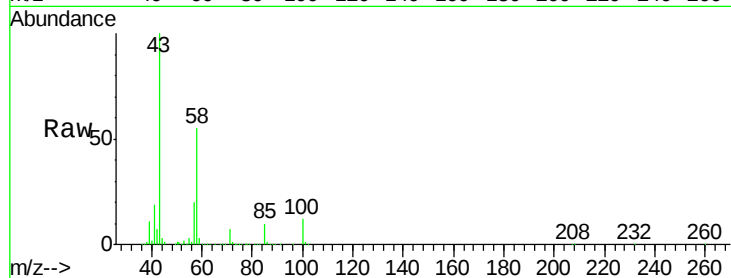
#59
2-Hexanone
Concen: 177.936 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 472415
Ion Ratio Lower Upper
43 100
58 55.0 25.8 77.3

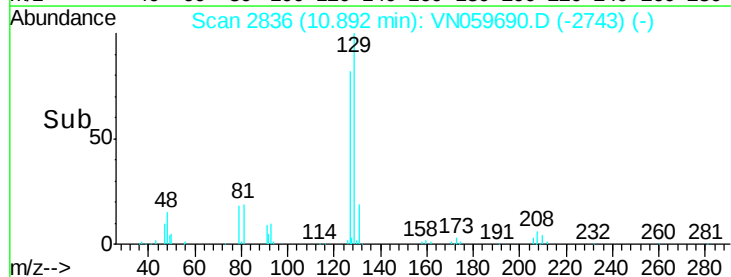
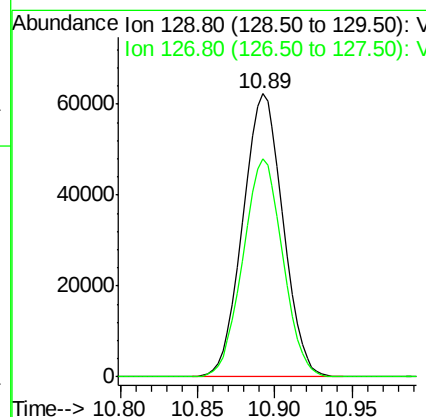
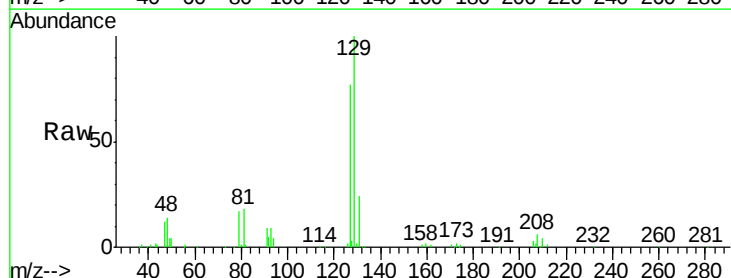
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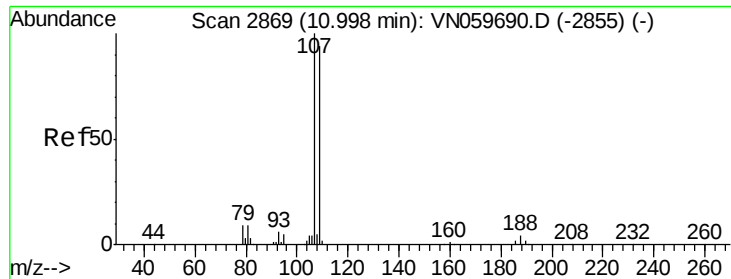
MMDadoda
1/14/2020 10:59:50 AM



#60
Dibromochloromethane
Concen: 46.916 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion: 129 Resp: 112811
Ion Ratio Lower Upper
129 100
127 76.2 38.5 115.5





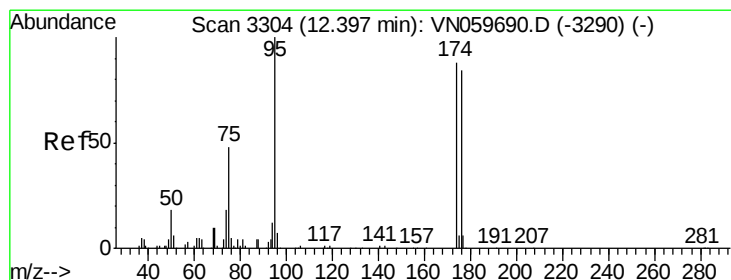
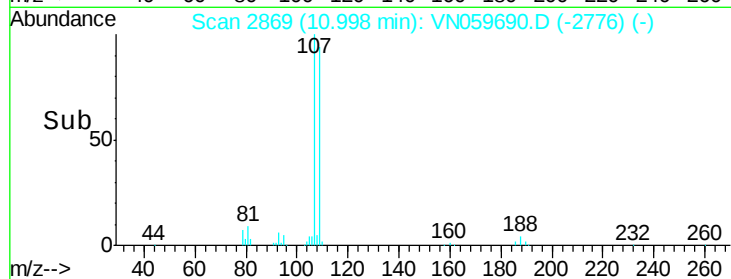
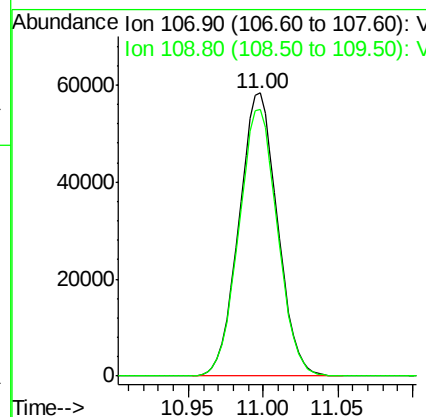
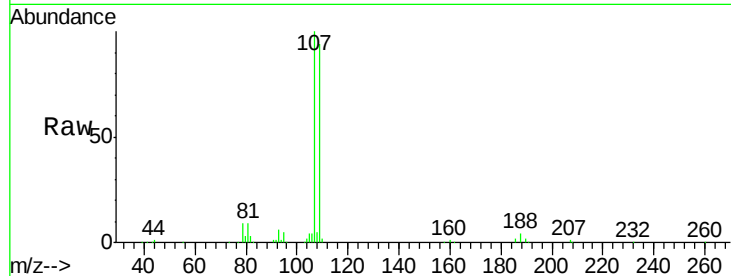
#61
 1,2-Dibromoethane
 Concen: 44.585 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.6	115.0

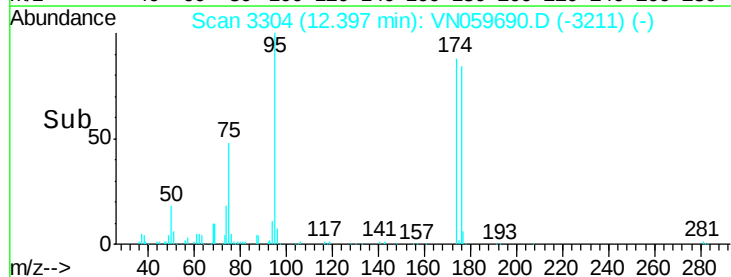
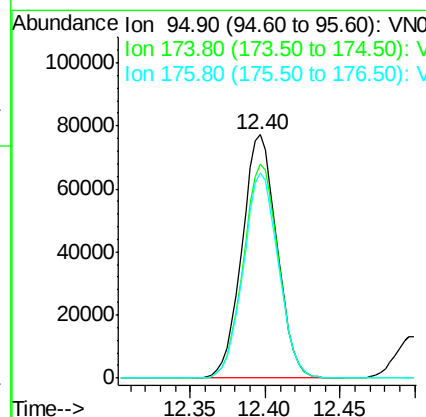
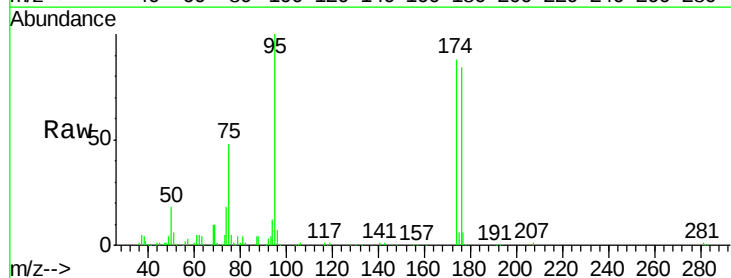
Manual Integrations
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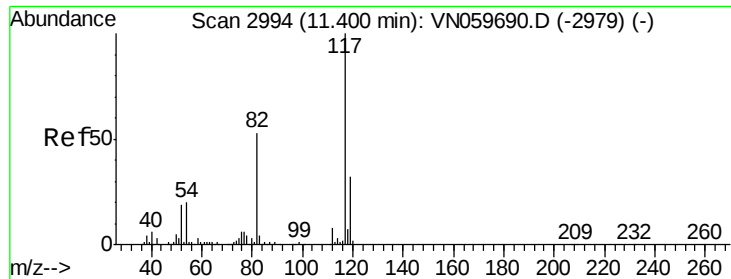
MMDadoda
 1/14/2020 10:59:50 AM



#62
 4-Bromofluorobenzene
 Concen: 46.333 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	151.4
176	84.5	0.0	146.0





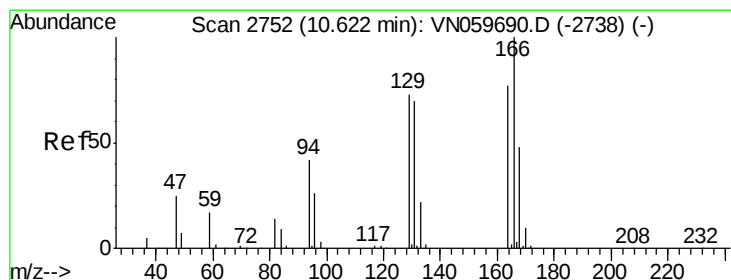
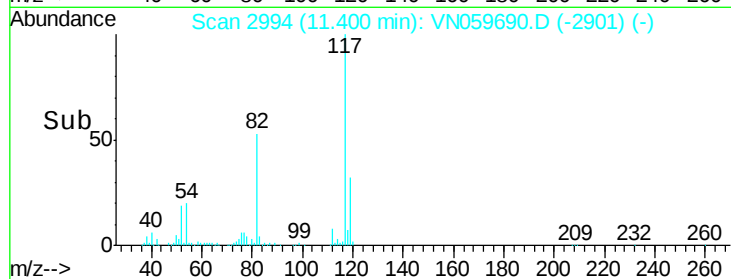
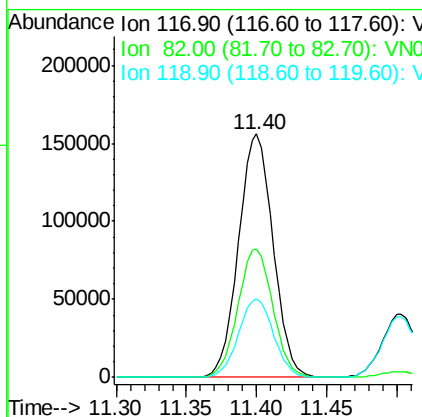
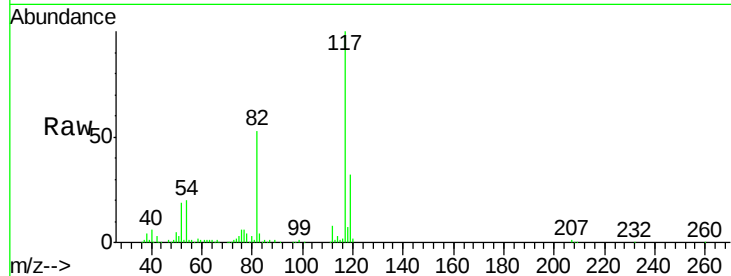
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	268248		
82	52.9		45.9	68.9
119	32.0		25.5	38.3

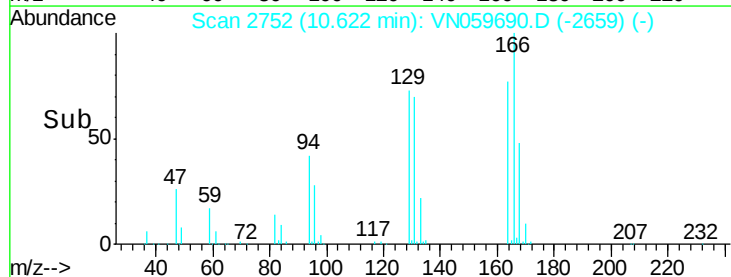
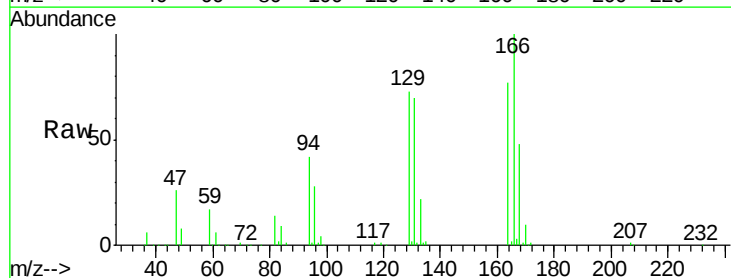
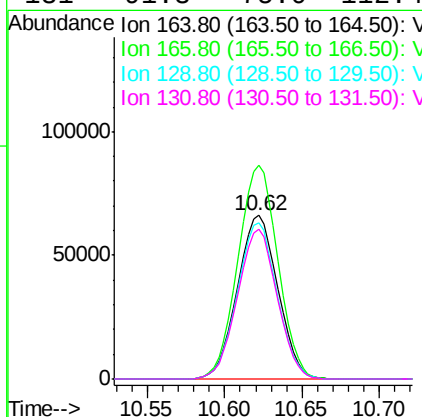
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#64
Tetrachloroethene
Concen: 47.946 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	119894		
166	130.6		101.4	152.0
129	95.9		80.2	120.4
131	91.3		75.0	112.4





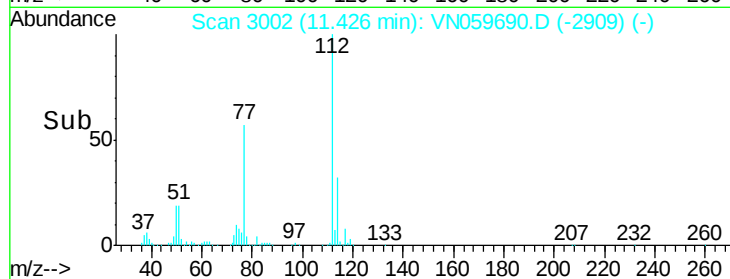
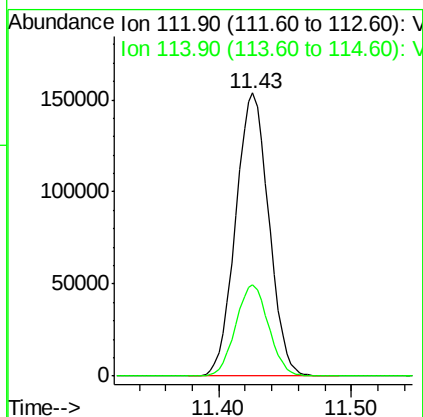
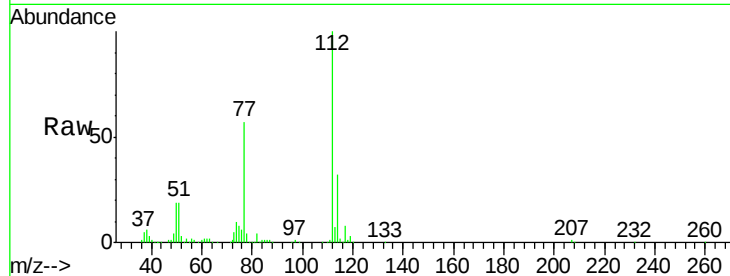
#65
Chlorobenzene
Concen: 45.963 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 266779
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

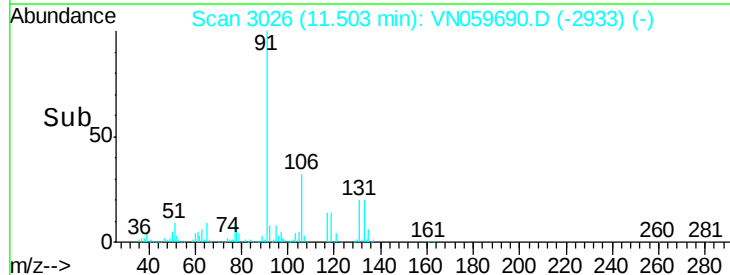
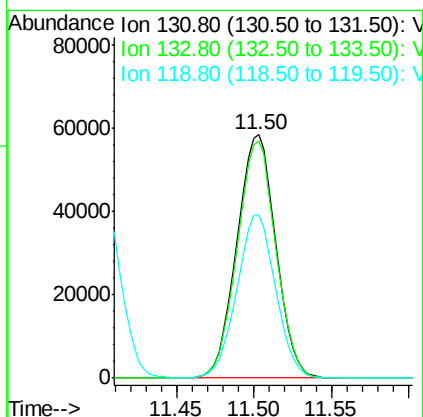
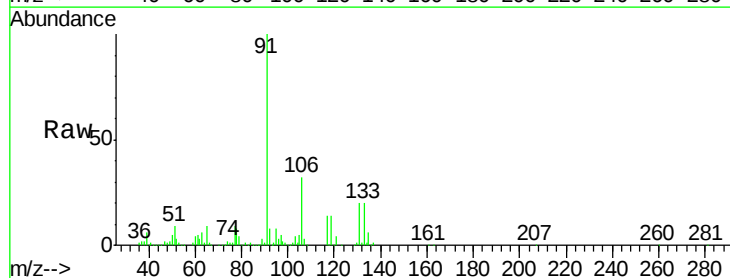
Manual Integrations
APPROVED

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#66
1,1,1,2-Tetrachloroethane
Concen: 46.383 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion:131 Resp: 102258
Ion Ratio Lower Upper
131 100
133 96.7 47.4 142.2
119 66.3 33.1 99.3





#67

Ethyl Benzene

Concen: 45.851 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 480373

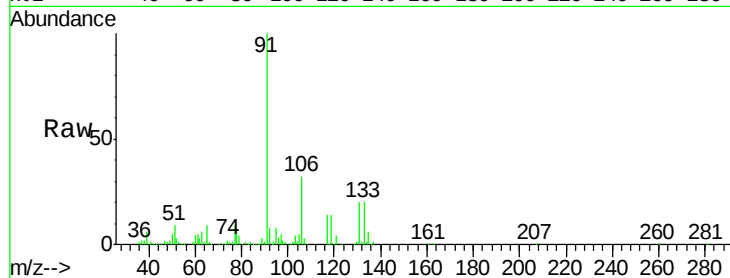
Ion Ratio Lower Upper

91 100

106 32.1 24.1 36.1

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN059690.D (-3011) (-)

Ion 106.00 (105.70 to 106.70): VN059690.D (-3011) (-)

400000

300000

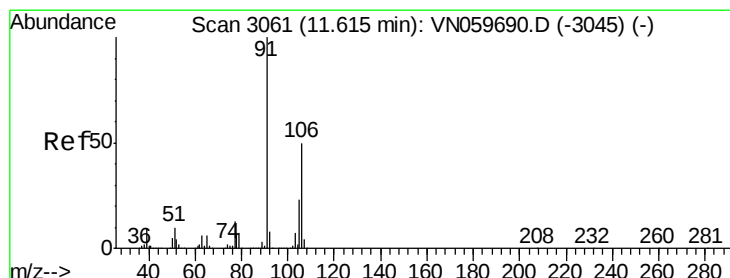
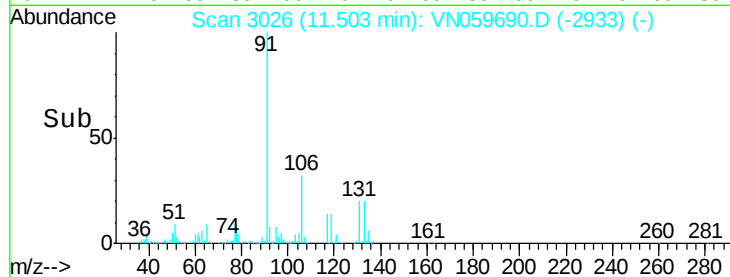
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 95.103 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059690.D

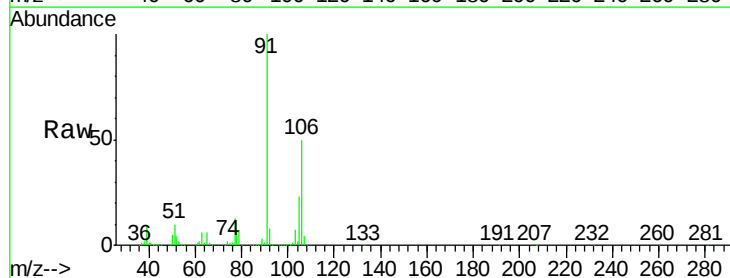
Acq: 13 Jan 2020 14:53

Tgt Ion: 106 Resp: 367933

Ion Ratio Lower Upper

106 100

91 200.9 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059690.D (-3045) (-)

Ion 91.00 (90.70 to 91.70): VN059690.D (-3045) (-)

400000

300000

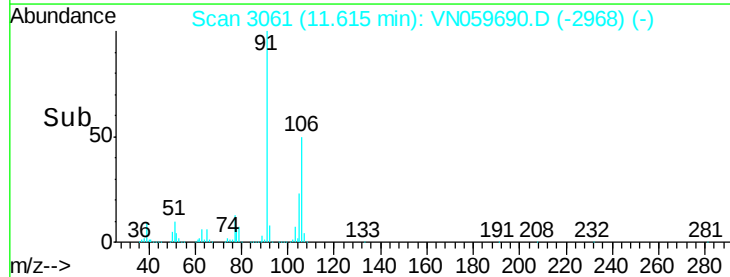
200000

100000

0

11.60 11.62 11.70

Time-->





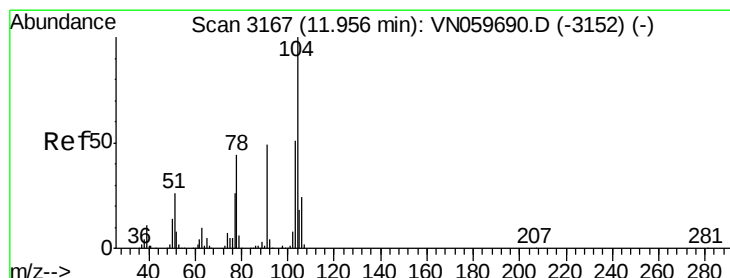
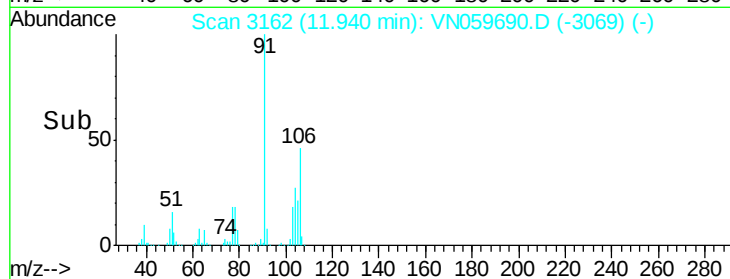
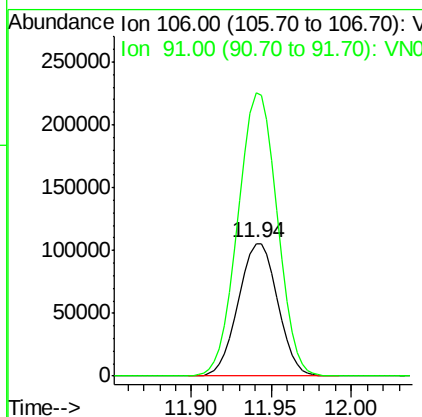
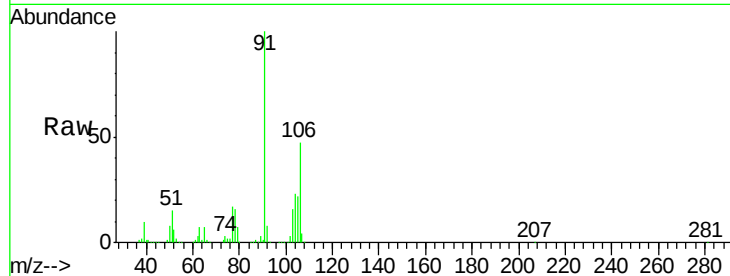
#69
o-Xylene
Concen: 48.227 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.3	110.3	330.9	

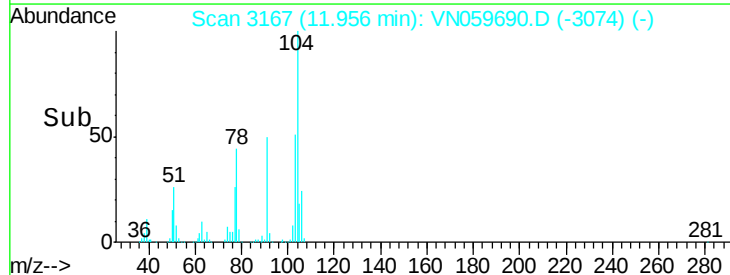
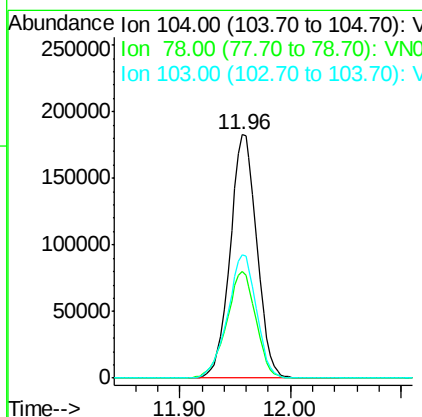
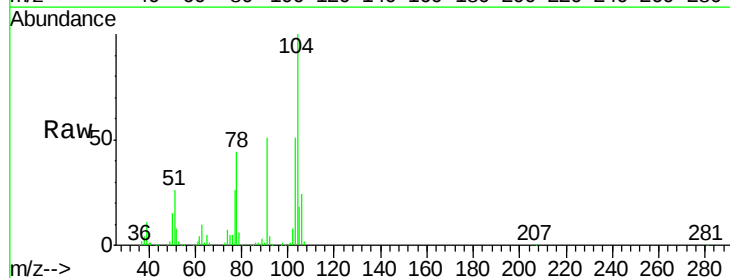
Manual Integrations
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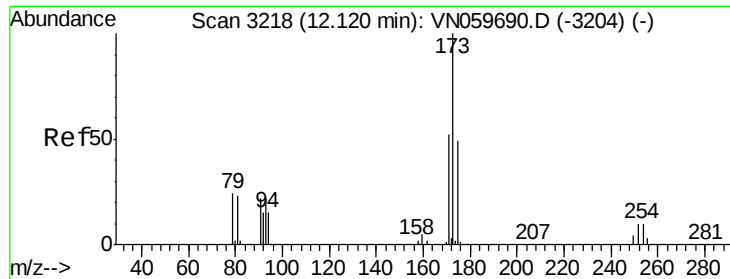
MMDadoda
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#70
Styrene
Concen: 51.897 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.1	42.4	63.6	
103	54.7	43.9	65.9	





#71

Bromoform

Concen: 51.249 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 84932

Ion Ratio Lower Upper

173 100

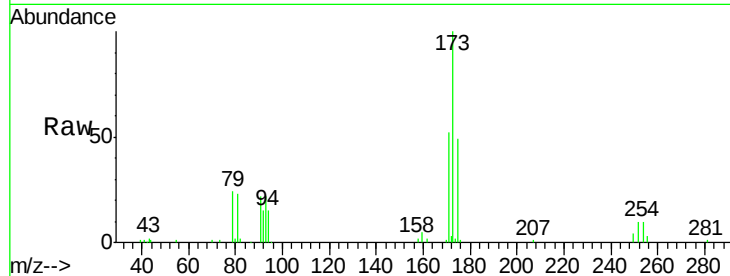
175 48.3 23.8 71.4

254 0.0 0.0 0.0

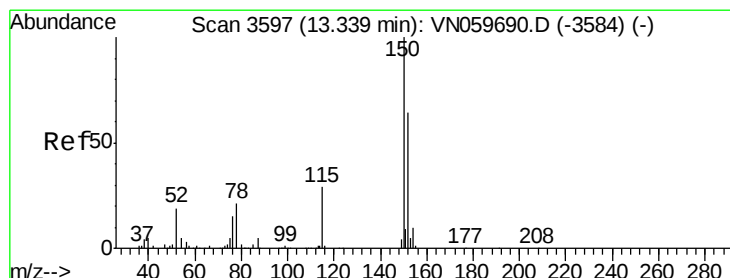
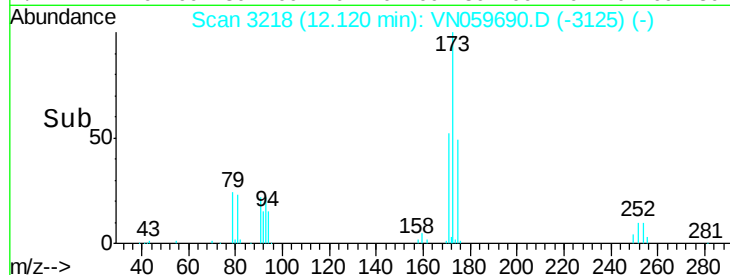
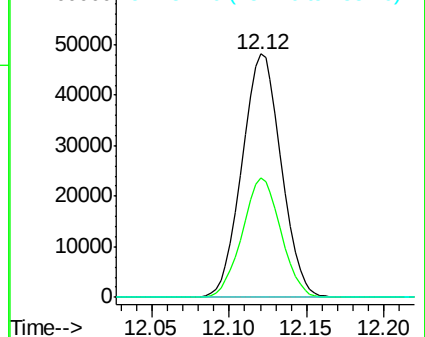
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

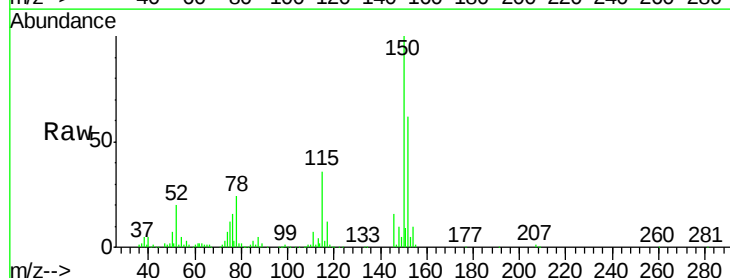
Tgt Ion:152 Resp: 132217

Ion Ratio Lower Upper

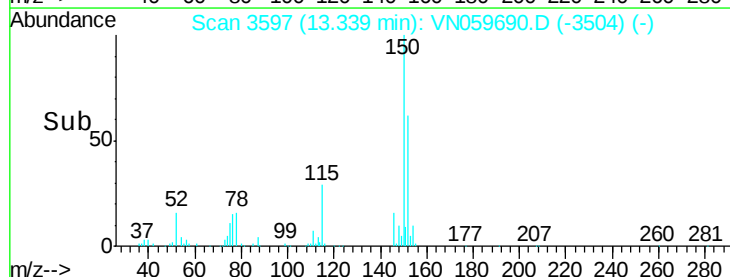
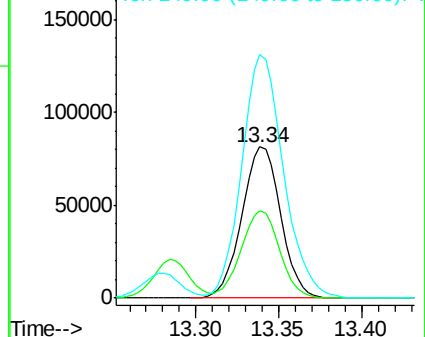
152 100

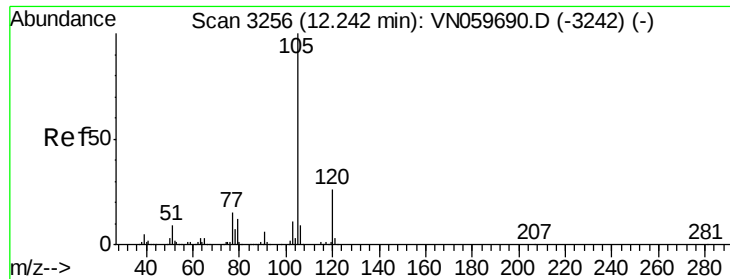
115 57.4 30.3 90.9

150 174.0 0.0 345.2



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





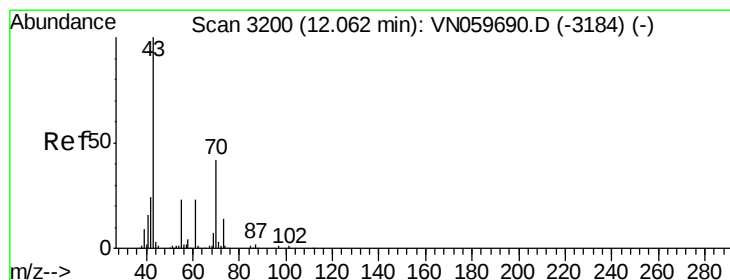
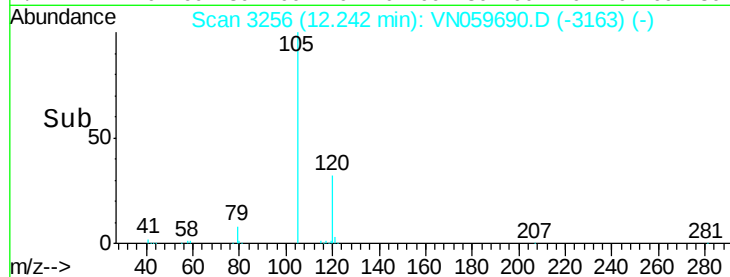
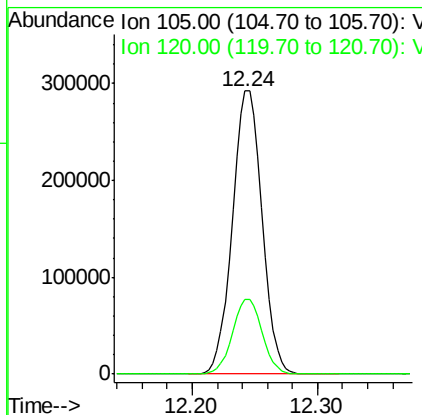
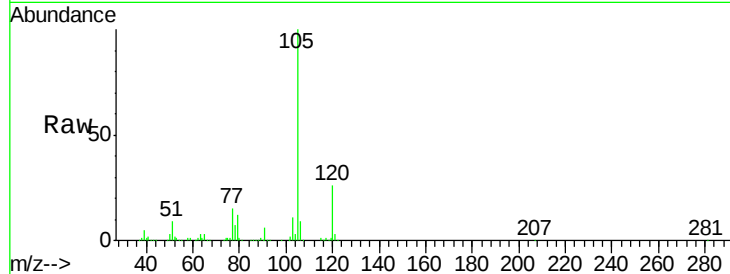
#73
Isopropylbenzene
Concen: 46.172 ug/l
RT: 12.24 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5

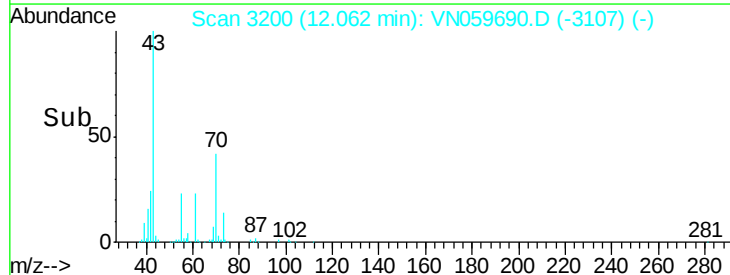
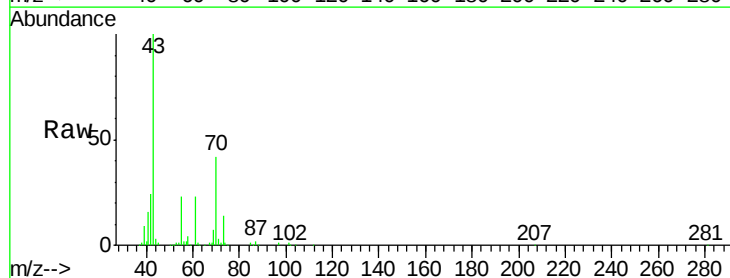
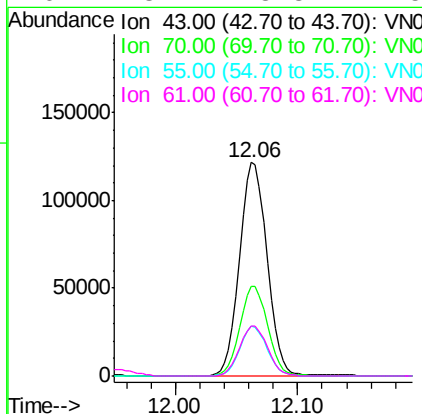
Manual Integrations
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#74
N-ethyl acetate
Concen: 40.001 ug/l
RT: 12.06 min Scan# 3200
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.0	31.3	46.9
55	23.2	19.8	29.6
61	23.7	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 42.241 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 139075
Ion Ratio Lower Upper

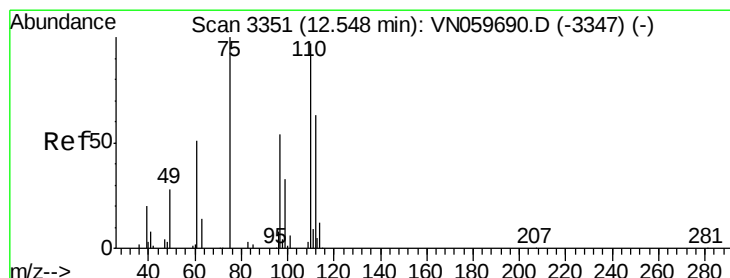
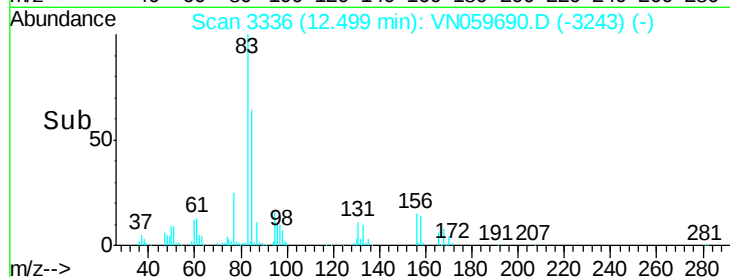
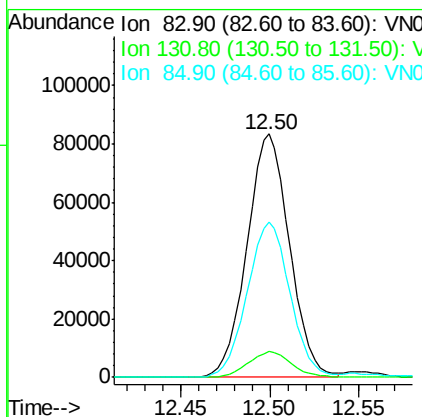
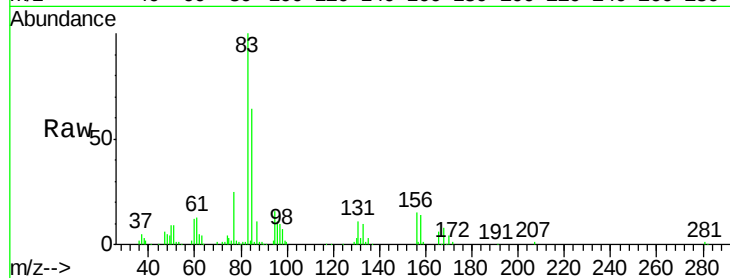
83 100

131 10.7 5.0 14.9

85 64.1 31.9 95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 34.764 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

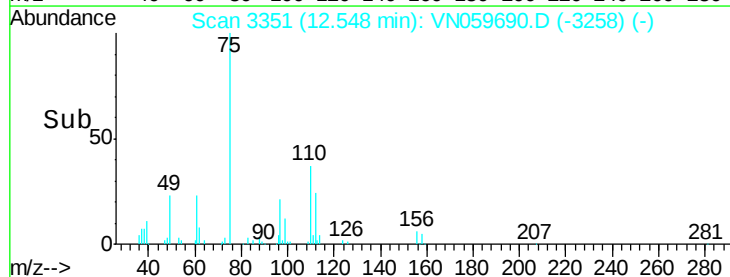
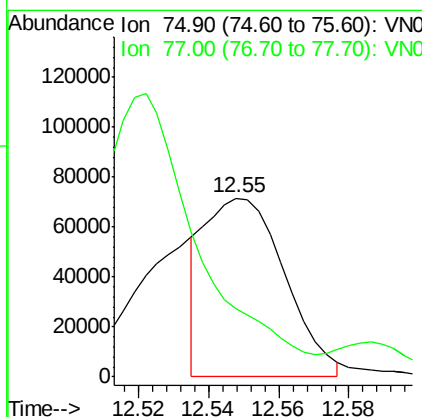
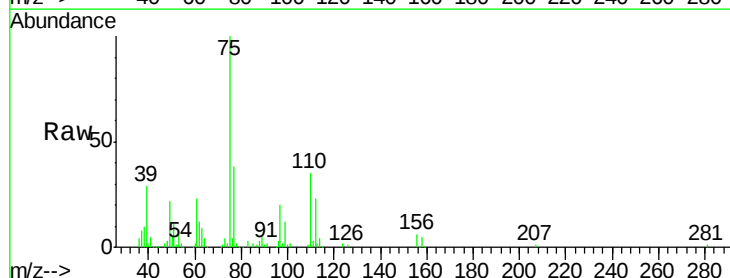
Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Tgt Ion: 75 Resp: 113787
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.894 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

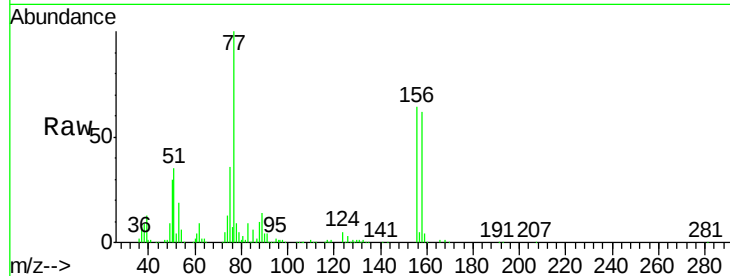
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	122248
Ion Ratio	Lower	Upper	
156	100		
77	189.0	115.8	347.4
158	96.5	49.2	147.6

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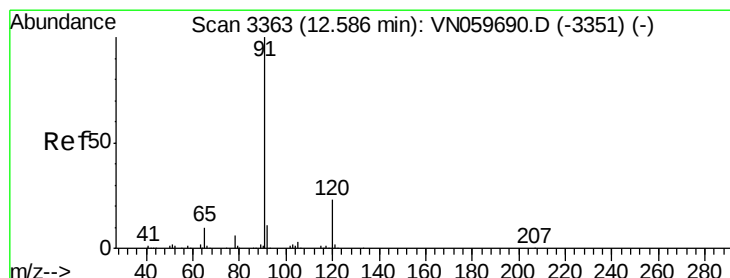
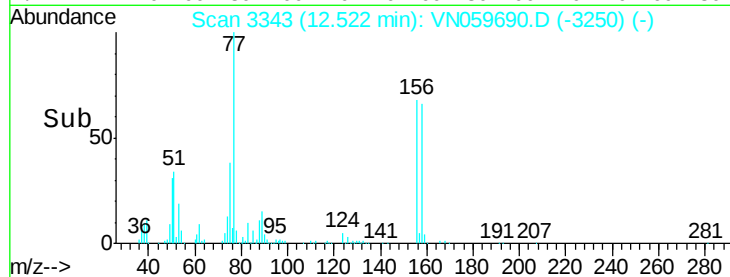
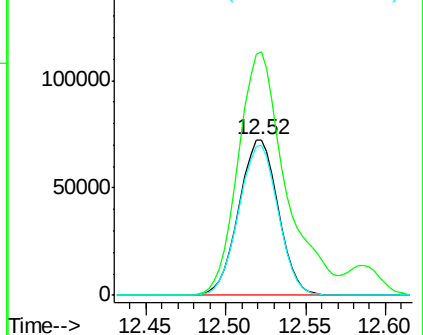
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.216 ug/l

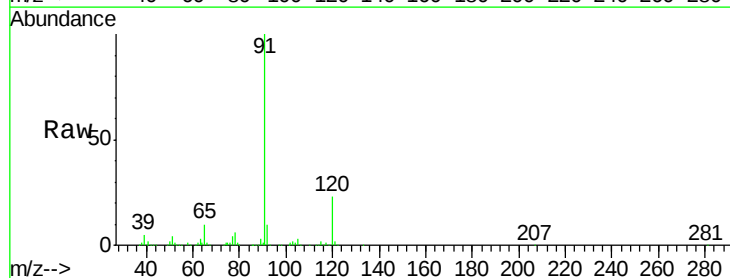
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059690.D

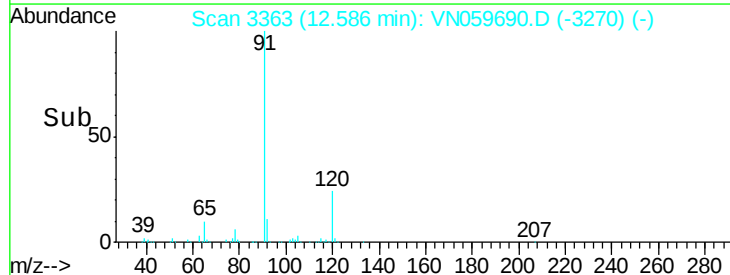
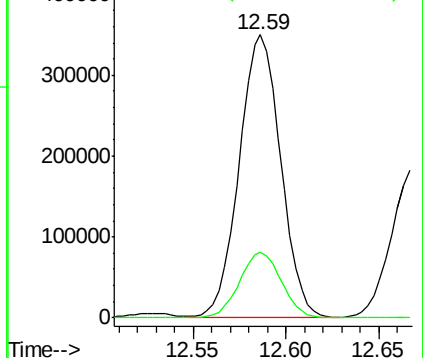
Acq: 13 Jan 2020 14:53

Tgt Ion:	91	Resp:	542486
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 42.456 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 314970

Ion Ratio Lower Upper

91 100

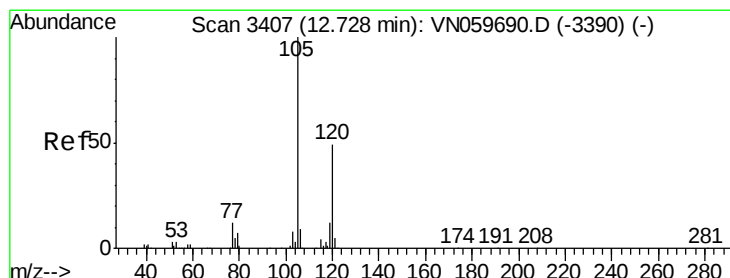
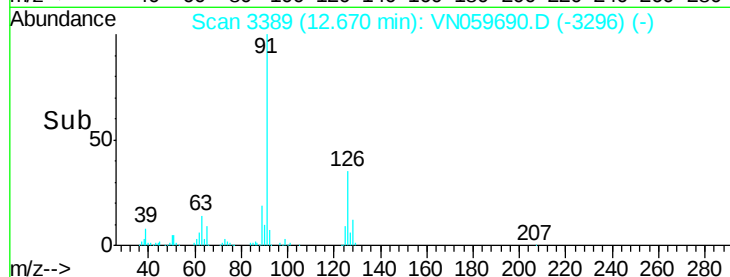
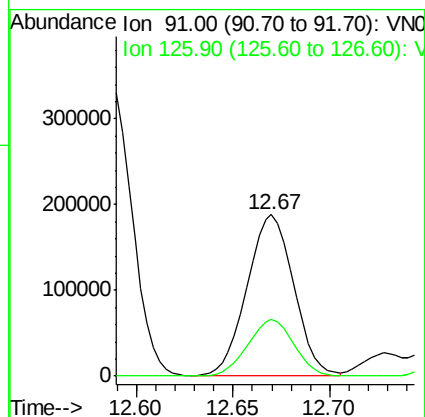
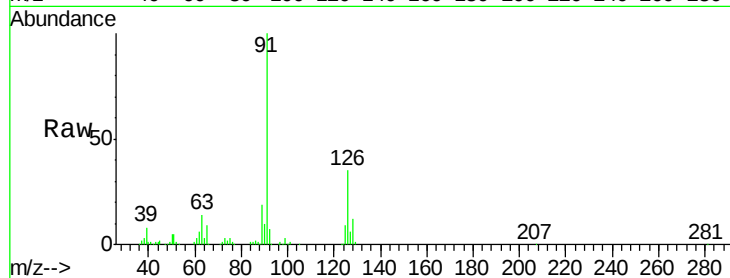
126 35.0 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 45.854 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059690.D

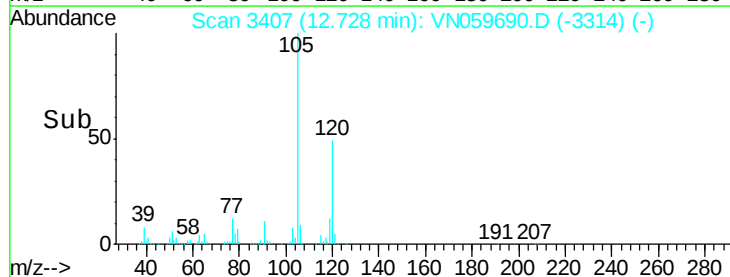
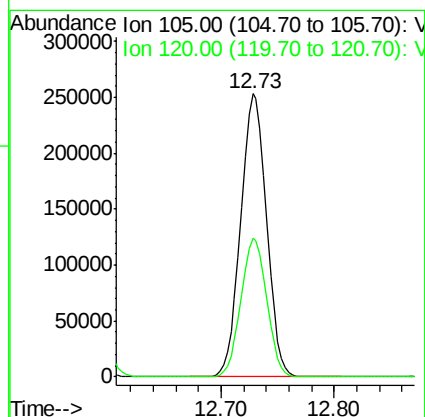
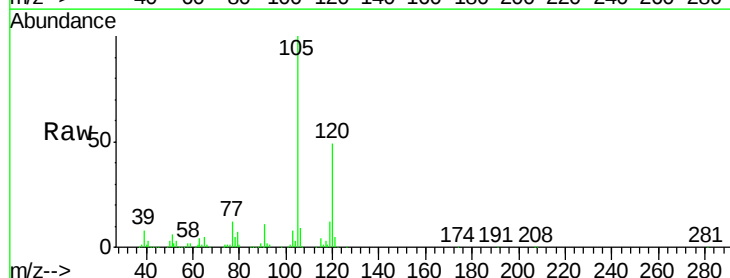
Acq: 13 Jan 2020 14:53

Tgt Ion: 105 Resp: 402750

Ion Ratio Lower Upper

105 100

120 49.0 24.1 72.4





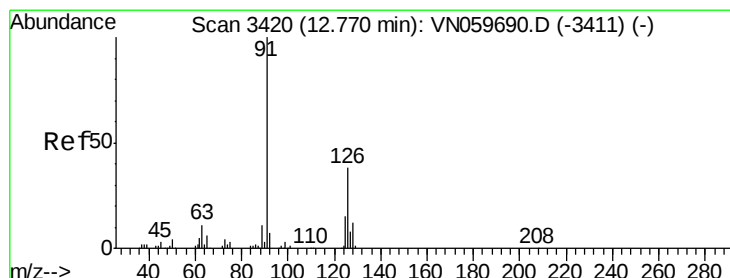
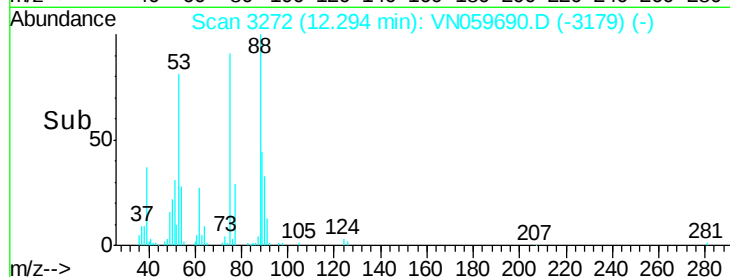
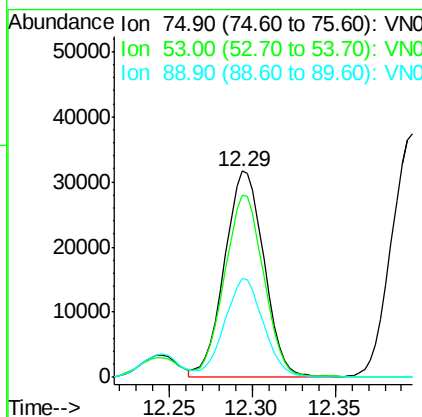
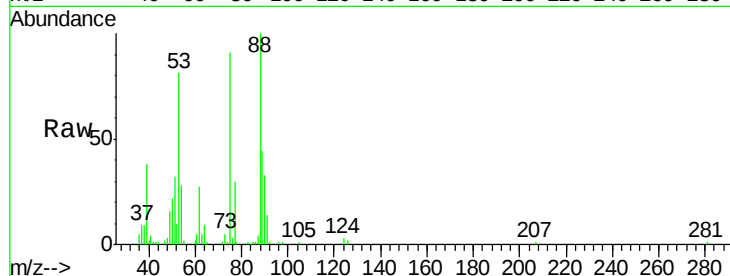
#81
trans-1,4-Dichloro-2-butene
Concen: 39.681 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.8	78.1	117.1
89	47.0	35.4	53.2

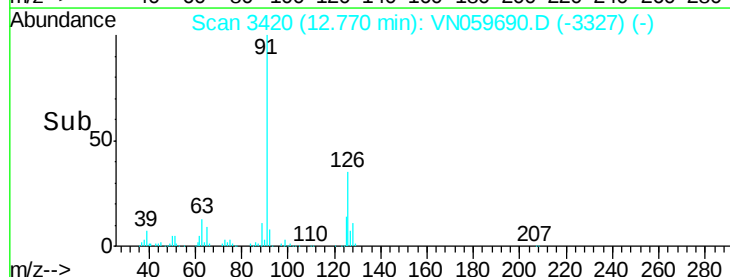
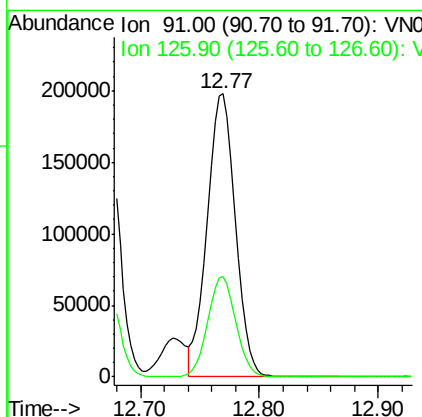
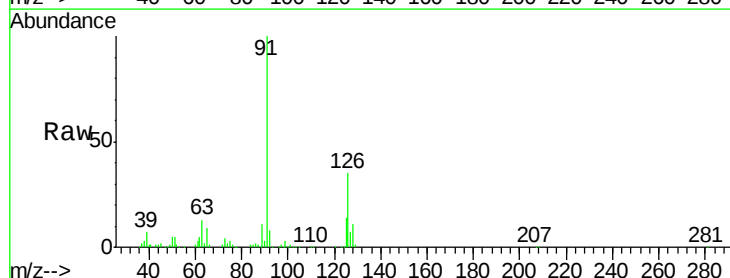
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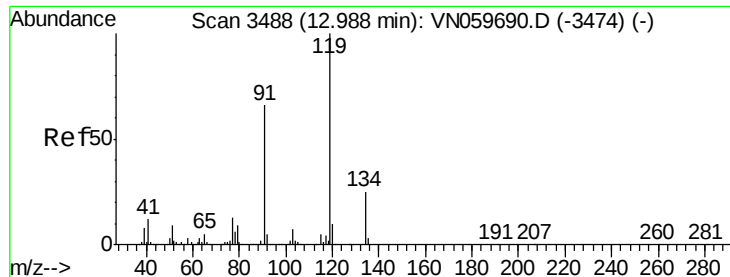
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#82
4-Chlorotoluene
Concen: 42.655 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	16.3	48.8





#83

tert-Butylbenzene

Concen: 46.834 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

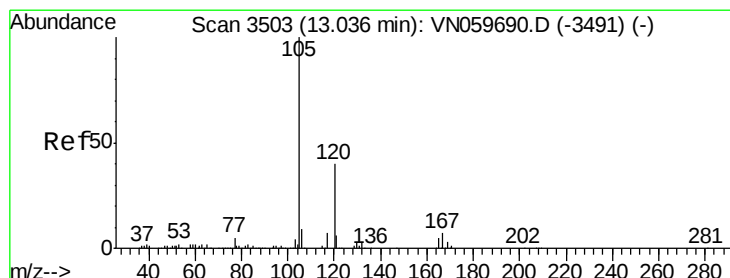
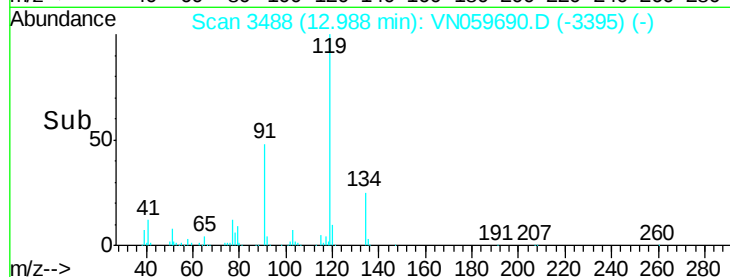
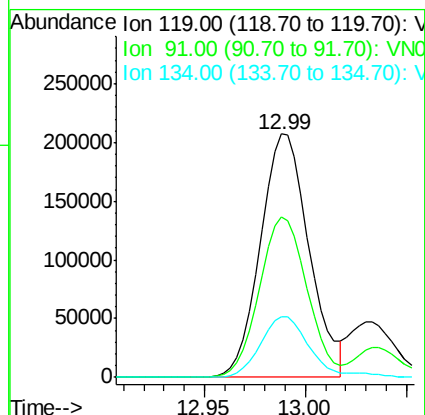
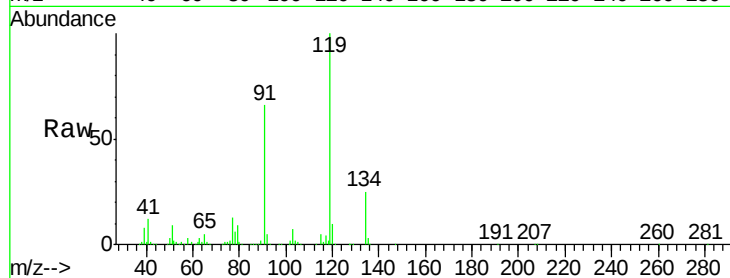
ClientSampleId :

VSTDICCC050

Tot Ion:	119	Resp:	348365
Ion Ratio	Lower	Upper	
119	100		
91	64.5	34.8	104.4
134	25.4	12.3	36.9

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#84

1,2,4-Trimethylbenzene

Concen: 45.757 ug/l

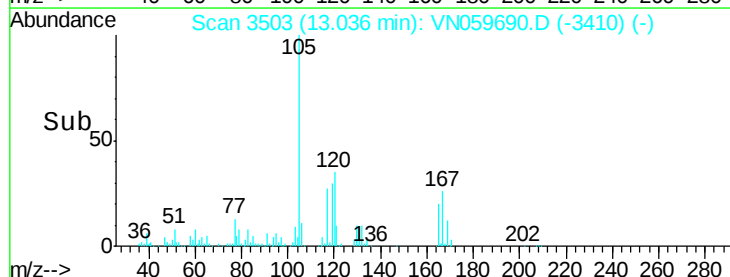
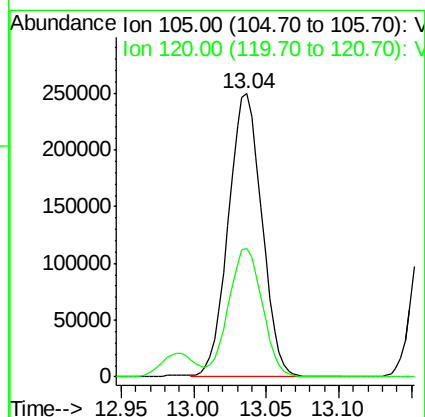
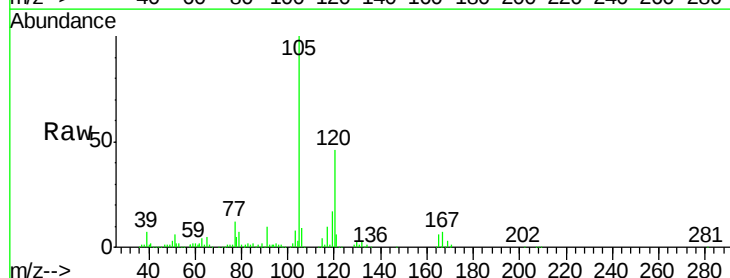
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Tgt Ion:	105	Resp:	399631
Ion Ratio	Lower	Upper	
105	100		
120	46.0	22.3	66.9





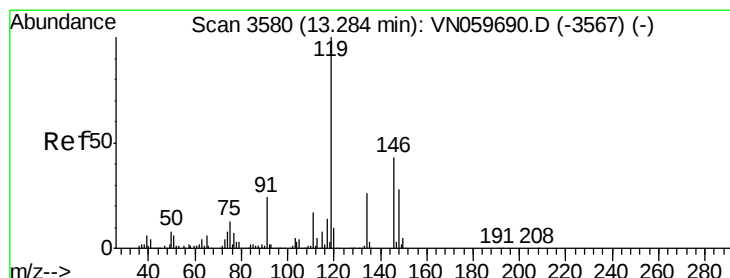
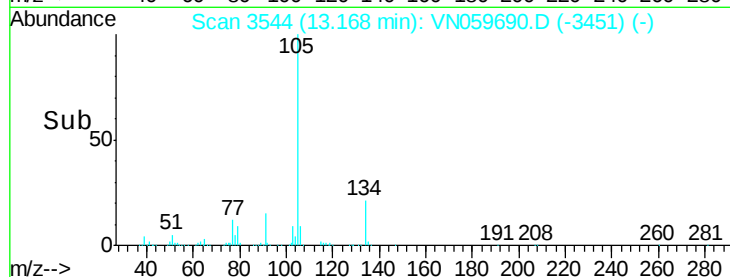
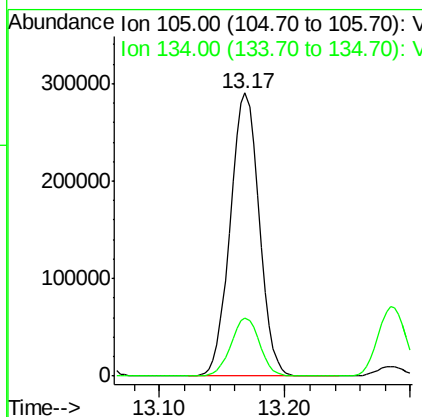
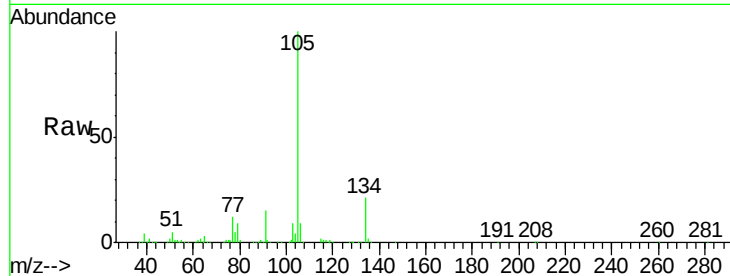
#85
 sec-Butylbenzene
 Concen: 46.937 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	9.8	29.5

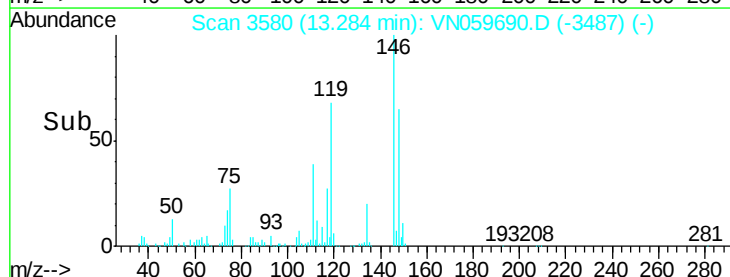
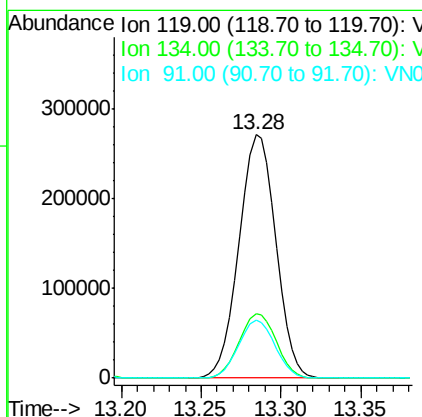
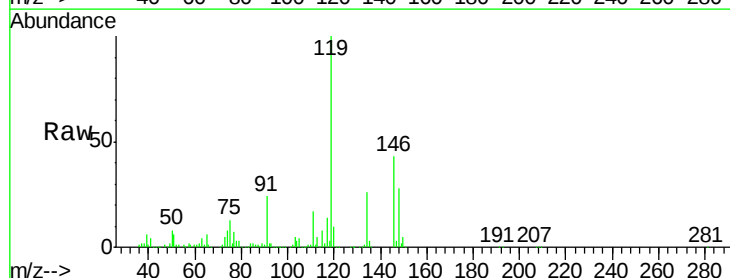
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#86
 p-Isopropyltoluene
 Concen: 47.211 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	12.9	38.7
91	23.6	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 45.460 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059690.D

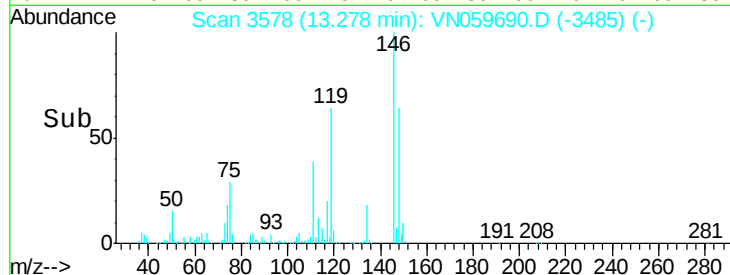
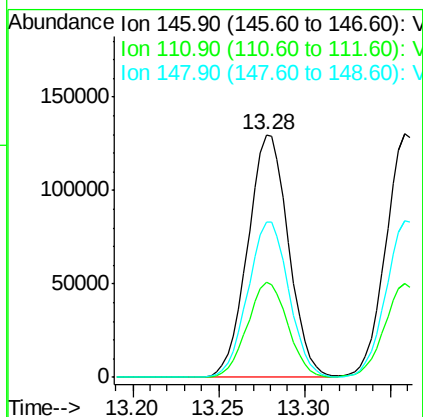
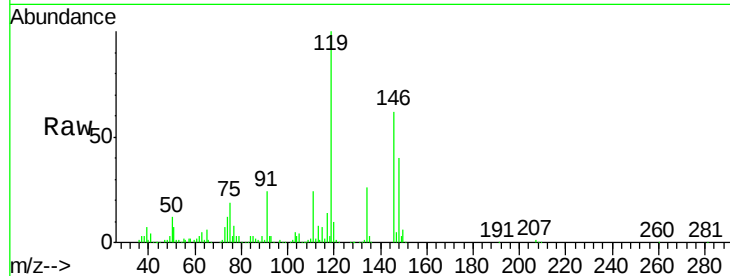
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	64.6	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 44.858 ug/l

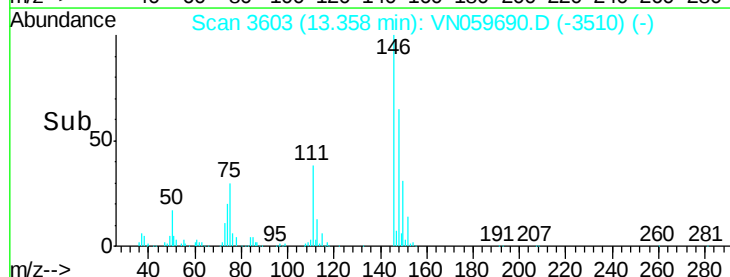
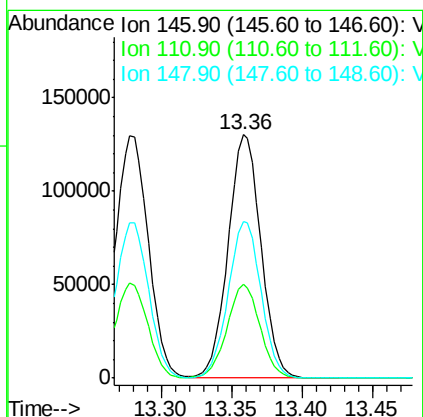
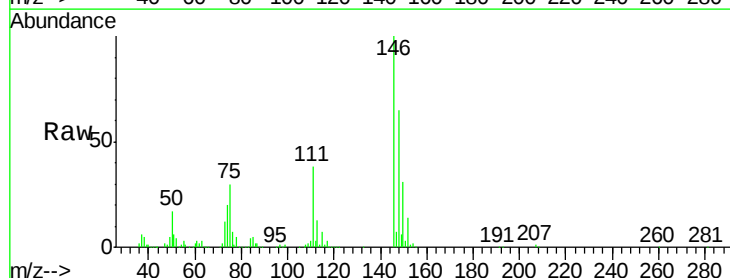
RT: 13.36 min Scan# 3603

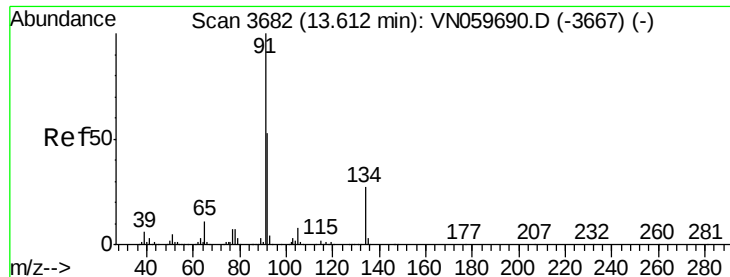
Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.8	62.2
148	64.7	31.8	95.4





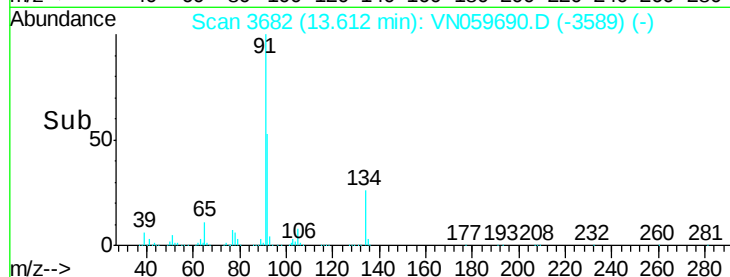
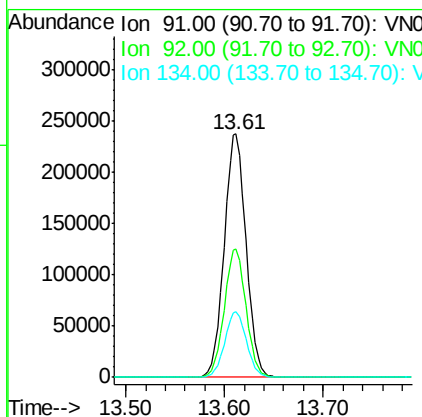
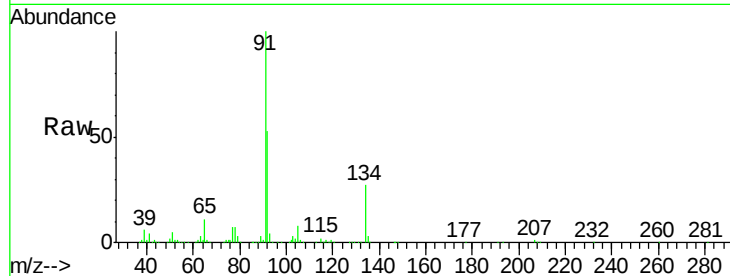
#89
n-Butylbenzene
Concen: 44.133 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.9	77.7
134	26.8	12.3	36.8

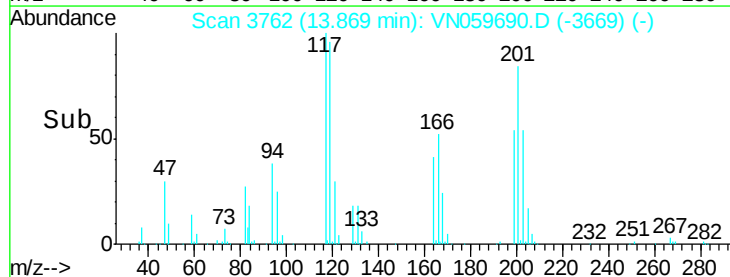
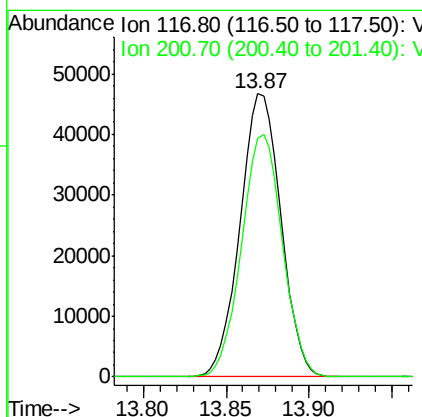
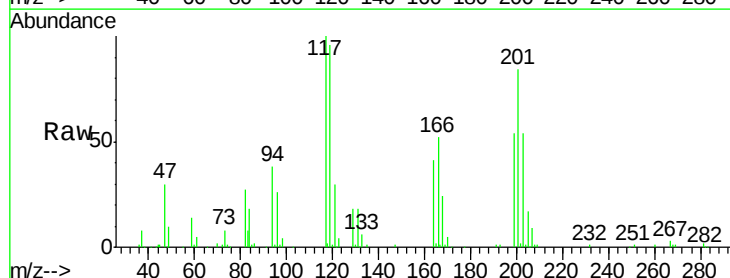
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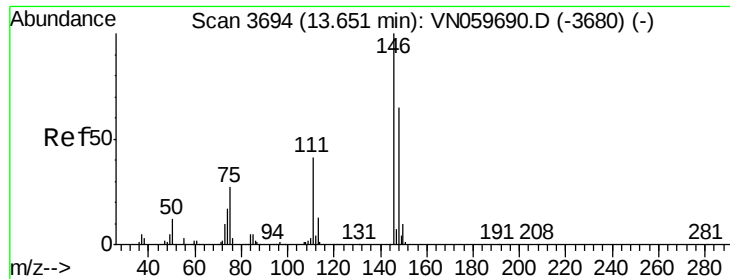
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#90
Hexachloroethane
Concen: 47.335 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059690.D
Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	37.8	113.4





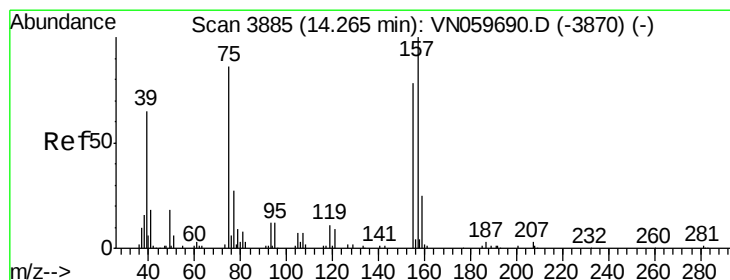
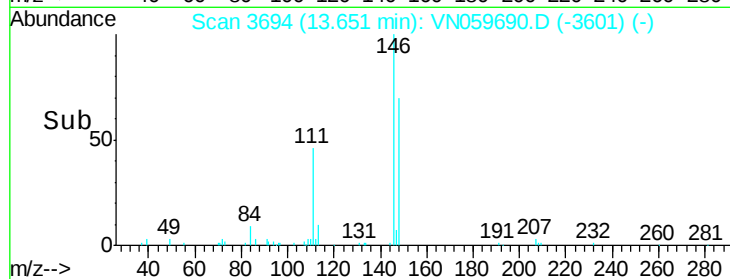
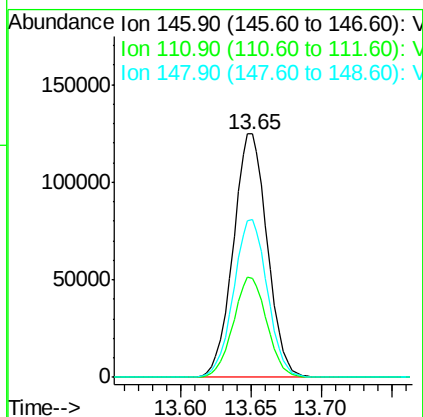
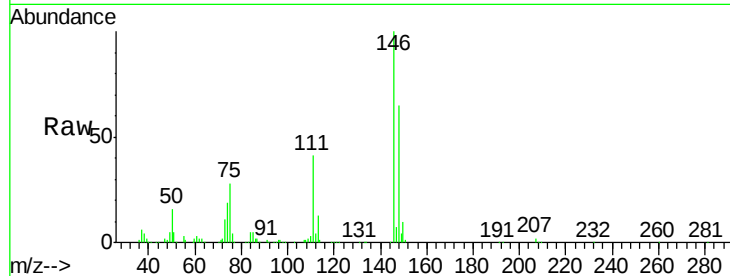
#91
 1,2-Dichlorobenzene
 Concen: 45.499 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.6	64.8
148	64.5	31.6	95.0

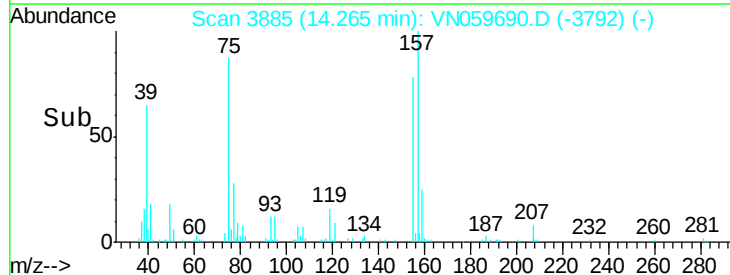
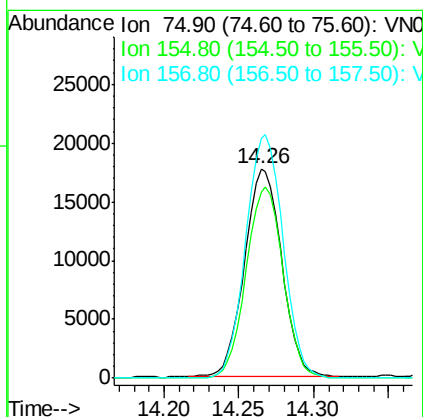
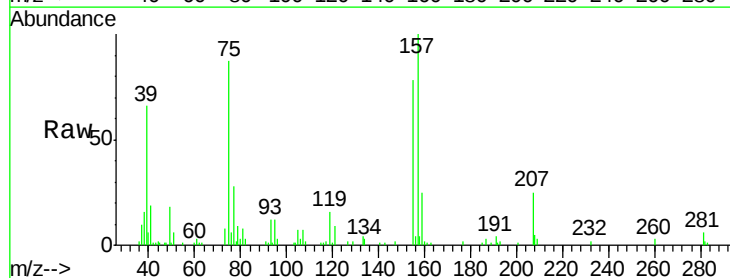
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 31.434 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059690.D
 Acq: 13 Jan 2020 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	37.0	110.9
157	118.3	48.4	145.2





#93

1,2,4-Trichlorobenzene

Concen: 45.261 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

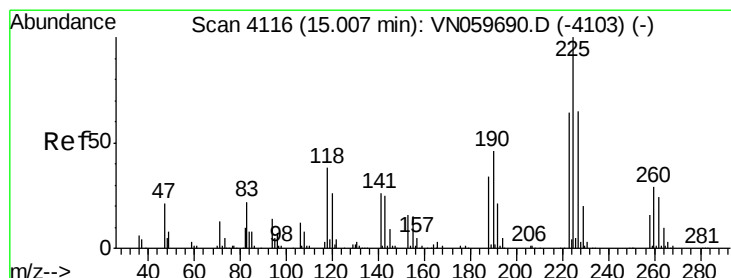
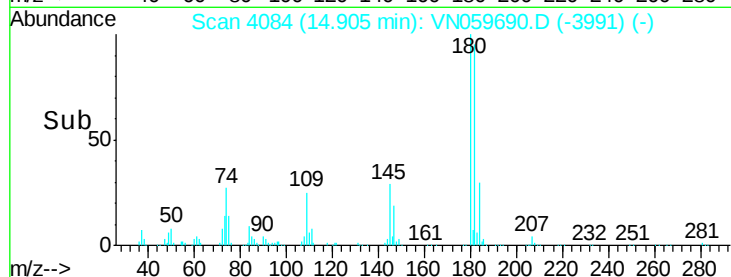
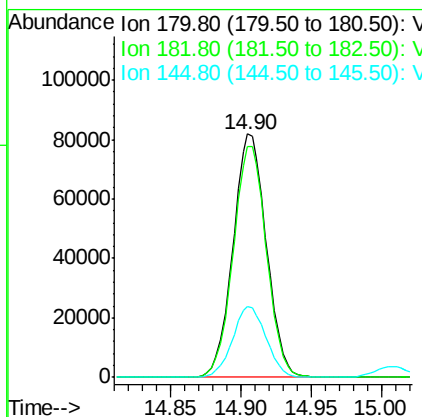
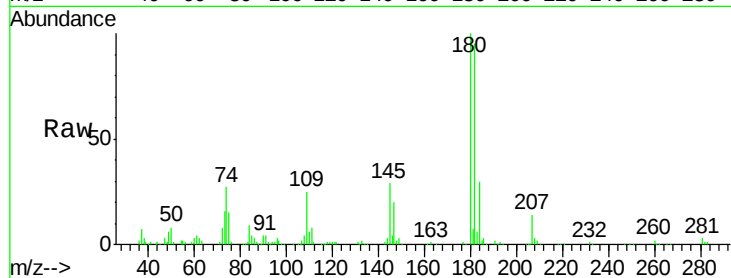
ClientSampleId :

VSTDICCC050

Tot Ion:	180	Resp:	135284
Ion Ratio	Lower	Upper	
180	100		
182	94.7	46.9	140.7
145	29.1	15.0	45.1

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#94

Hexachlorobutadiene

Concen: 43.459 ug/l

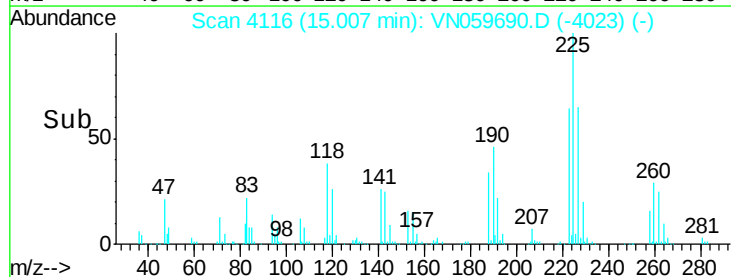
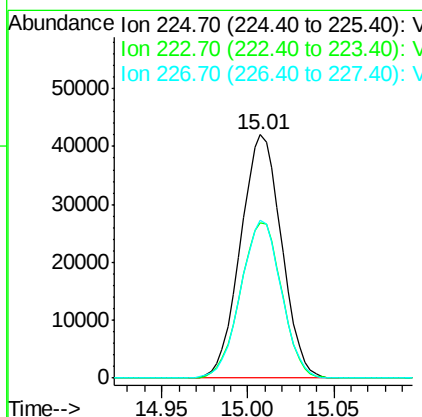
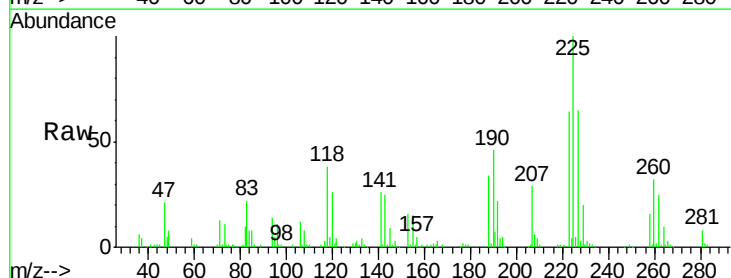
RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Tgt Ion:	225	Resp:	69562
Ion Ratio	Lower	Upper	
225	100		
223	64.4	31.8	95.3
227	64.3	32.1	96.5





#95

Naphthalene

Concen: 43.224 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Instrument :

MSVOA_N

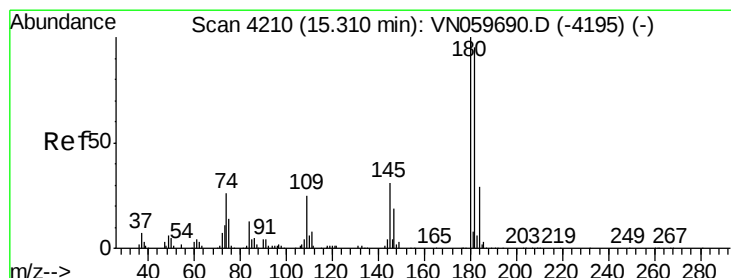
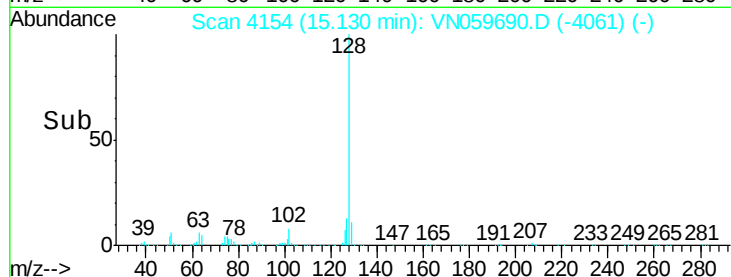
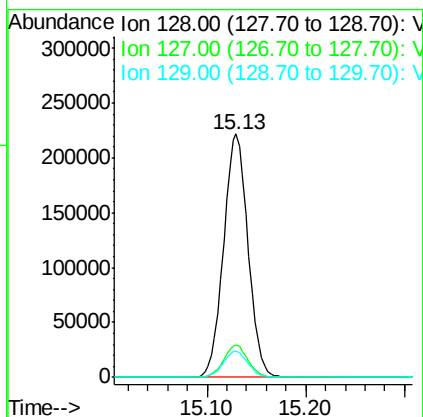
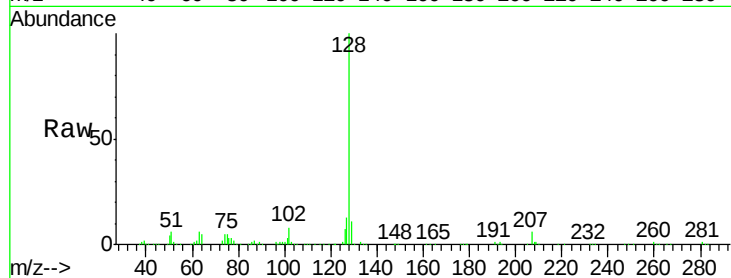
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	385691
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
1/14/2020 10:59:50 AM



#96

1,2,3-Trichlorobenzene

Concen: 42.634 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN059690.D

Acq: 13 Jan 2020 14:53

Tgt Ion:	180	Resp:	128888
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.4	142.3
145	32.0	16.3	48.9

