

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059587.D
 Acq On : 13 Dec 2019 16:44
 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

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 12/16/2019 12:48:54 PM

Quant Time: Dec 13 17:40:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 17:23:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	255311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	413862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	381495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	182878	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	7.57	113	126344	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.08	98	511680	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	188758	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	153744	50.647	ug/l	100
3) Chloromethane	2.04	50	250211	53.831	ug/l	100
4) Vinyl Chloride	2.17	62	235445	51.922	ug/l	100
5) Bromomethane	2.53	94	137834	49.734	ug/l	100
6) Chloroethane	2.67	64	131856	49.015	ug/l	100
7) Trichlorofluoromethane	2.99	101	273506	50.654	ug/l	100
8) Diethyl Ether	3.38	74	83249	45.330	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	130064	46.674	ug/l	100
10) Methyl Iodide	3.92	142	180670	47.438	ug/l	100
11) Tert butyl alcohol	4.75	59	158021	255.146	ug/l	100
12) 1,1-Dichloroethene	3.71	96	127479	46.794	ug/l	100
13) Acrolein	3.58	56	124899	353.712	ug/l	100
14) Allyl chloride	4.29	41	255115	48.818	ug/l	100
15) Acrylonitrile	4.95	53	404588	253.550	ug/l	100
16) Acetone	3.79	43	530032	294.084	ug/l	100
17) Carbon Disulfide	4.02	76	399082	39.889	ug/l	100
18) Methyl Acetate	4.29	43	214829	47.878	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	460650	50.918	ug/l	100
20) Methylene Chloride	4.52	84	149492	43.304	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	141219	48.458	ug/l	100
22) Diisopropyl ether	5.92	45	499545	50.235	ug/l	100
23) Vinyl Acetate	5.86	43	2071633	251.526	ug/l	100
24) 1,1-Dichloroethane	5.82	63	279071	49.373	ug/l	100
25) 2-Butanone	6.81	43	644573	275.715	ug/l	100
26) 2,2-Dichloropropane	6.80	77	254136	49.732	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	162491	49.503	ug/l	100
28) Bromochloromethane	7.17	49	117511	63.841	ug/l	100
29) Tetrahydrofuran	7.18	42	387842	243.142	ug/l	100
30) Chloroform	7.35	83	275052	49.344	ug/l	100
31) Cyclohexane	7.63	56	252429	45.941	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	245523	49.627	ug/l	100
36) 1,1-Dichloropropene	7.77	75	209524	48.592	ug/l	100
37) Ethyl Acetate	6.90	43	237759	52.912	ug/l	100
38) Carbon Tetrachloride	7.75	117	213907	50.195	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	243259	50.351	ug/l	100
40) Benzene	8.02	78	614649	49.796	ug/l	100
41) Methacrylonitrile	7.15	41	103040m	48.961	ug/l	
42) 1,2-Dichloroethane	8.10	62	237514	51.542	ug/l	100
43) Isopropyl Acetate	8.14	43	384946	51.526	ug/l	100
44) Trichloroethene	8.82	130	157130	50.233	ug/l	100
45) 1,2-Dichloropropane	9.10	63	164417	50.313	ug/l	100
46) Dibromomethane	9.19	93	107410	49.599	ug/l	100
47) Bromodichloromethane	9.39	83	218773	50.926	ug/l	100
48) Methyl methacrylate	9.18	41	174364	53.162	ug/l	100
49) 1,4-Dioxane	9.18	88	54066	1232.396	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1203944	277.177	ug/l	100
52) Toluene	10.15	92	374024	50.777	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	255230	50.926	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	268644	52.297	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	149015	50.011	ug/l	100
56) Ethyl methacrylate	10.42	69	235871	53.563	ug/l	100
57) 1,3-Dichloropropane	10.70	76	261182	51.303	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	445573	319.506	ug/l	100
59) 2-Hexanone	10.74	43	961577	292.115	ug/l	100
60) Dibromochloromethane	10.90	129	165048	51.093	ug/l	100
61) 1,2-Dibromoethane	11.00	107	156132	50.405	ug/l	100
64) Tetrachloroethene	10.62	164	161833	54.670	ug/l	100
65) Chlorobenzene	11.43	112	395739	48.581	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	151321	49.724	ug/l	100
67) Ethyl Benzene	11.51	91	733118	50.087	ug/l	100
68) m/p-Xylenes	11.62	106	540002	99.592	ug/l	100
69) o-Xylene	11.94	106	258941	51.148	ug/l	100
70) Styrene	11.96	104	428425	51.100	ug/l	100
71) Bromoform	12.12	173	120044	50.884	ug/l	# 100
73) Isopropylbenzene	12.25	105	703416	48.370	ug/l	100
74) N-amyl acetate	12.07	43	336763	52.856	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	222814	45.911	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	218081m	44.553	ug/l	
77) Bromobenzene	12.52	156	166751	46.749	ug/l	100
78) n-propylbenzene	12.59	91	838585	47.437	ug/l	100
79) 2-Chlorotoluene	12.67	91	492671	46.690	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	596435	48.470	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	88660	47.838	ug/l	100
82) 4-Chlorotoluene	12.77	91	509176	47.374	ug/l	100
83) tert-Butylbenzene	12.99	119	494851	48.314	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	599366	49.386	ug/l	100
85) sec-Butylbenzene	13.17	105	676615	48.222	ug/l	100
86) p-Isopropyltoluene	13.29	119	615203	49.140	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	306292	46.856	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	302727	47.398	ug/l	100
89) n-Butylbenzene	13.62	91	569633	48.270	ug/l	100
90) Hexachloroethane	13.87	117	115425	49.891	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	300983	48.882	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54091	43.954	ug/l	100

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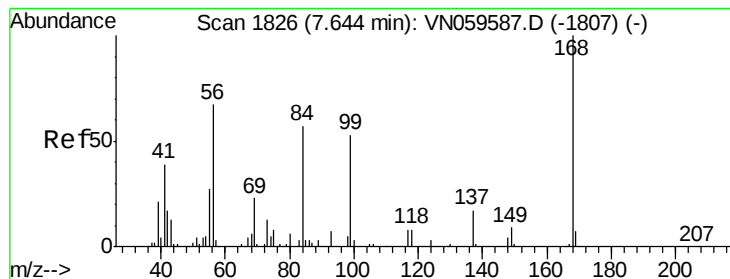
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	187362	44.735	ug/l	100
94) Hexachlorobutadiene	15.01	225	93353	44.150	ug/l	100
95) Naphthalene	15.12	128	555387	45.010	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	179775	41.764	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 255311

Ion Ratio Lower Upper

168 100

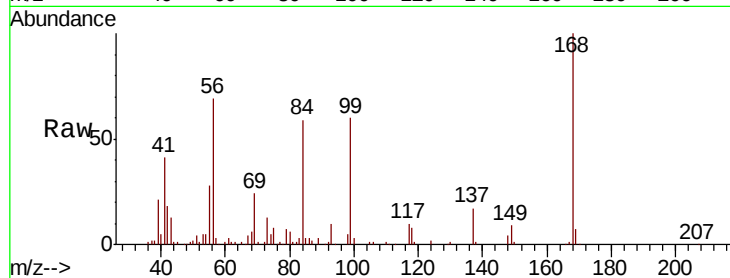
99 60.3 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

60000

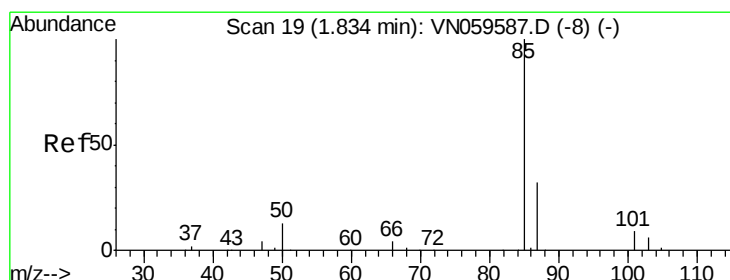
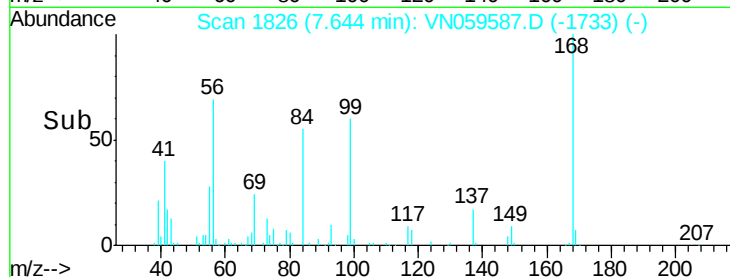
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 50.647 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059587.D

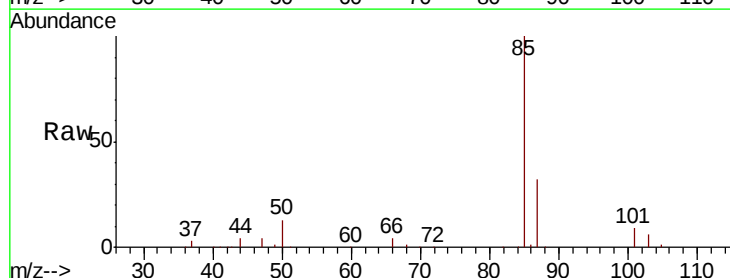
Acq: 13 Dec 2019 16:44

Tgt Ion: 85 Resp: 153744

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

60000

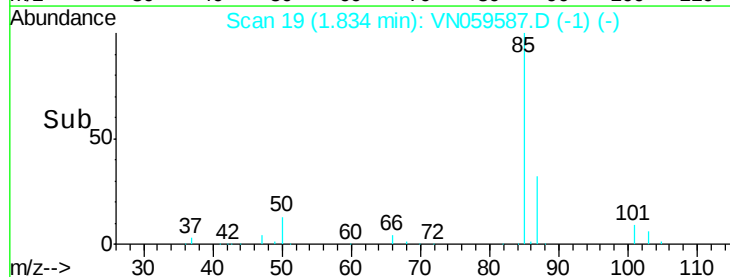
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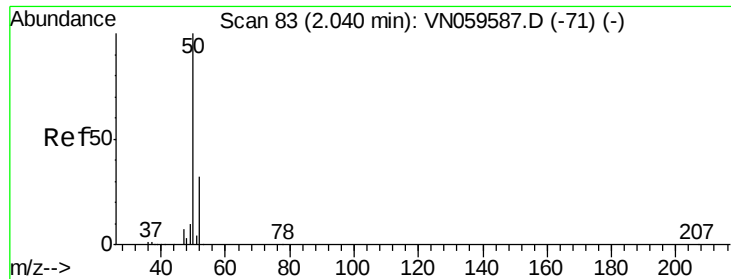
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 53.831 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 250211

Ion Ratio Lower Upper

50 100

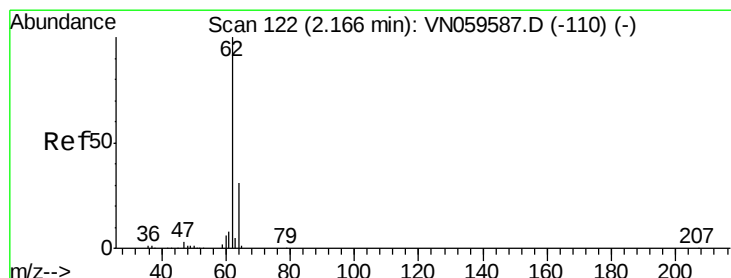
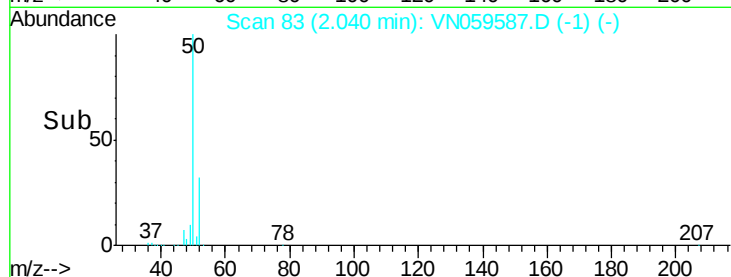
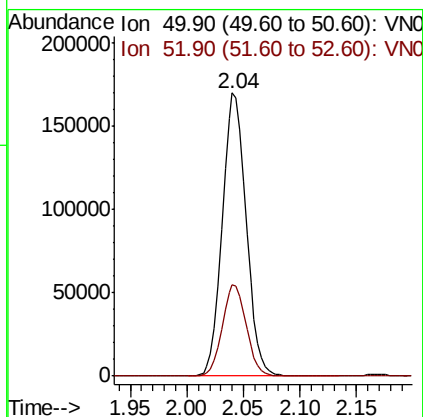
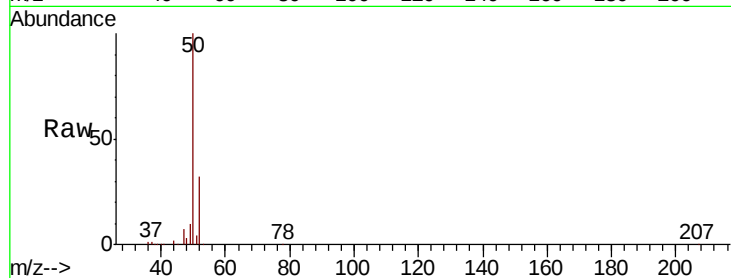
52 32.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.922 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059587.D

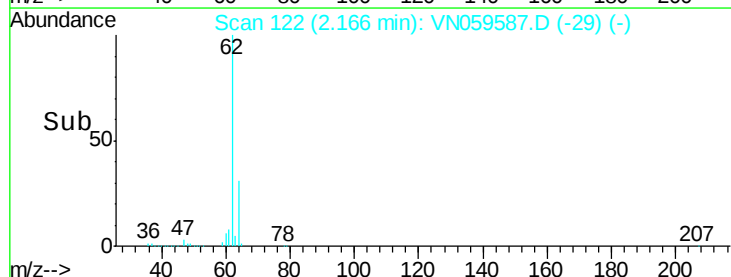
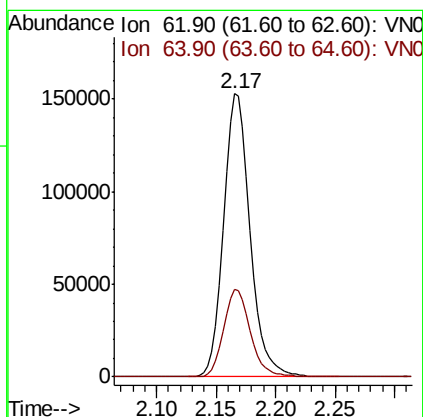
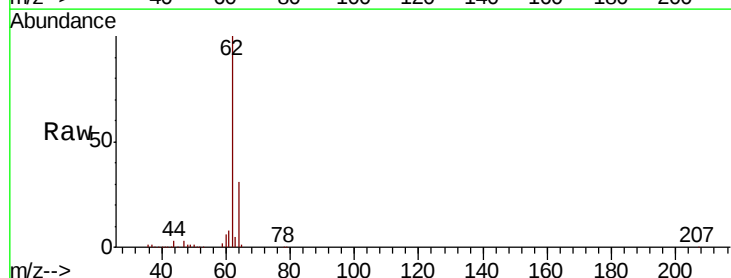
Acq: 13 Dec 2019 16:44

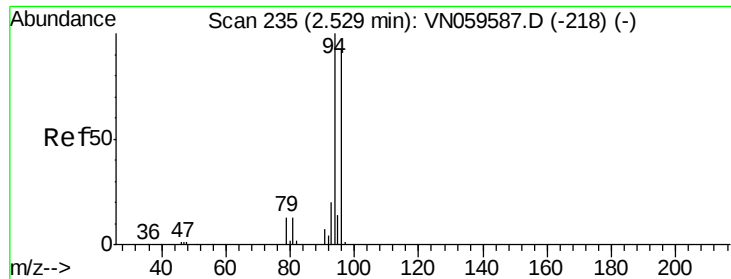
Tgt Ion: 62 Resp: 235445

Ion Ratio Lower Upper

62 100

64 30.8 24.6 37.0





#5

Bromomethane

Concen: 49.734 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 137834

Ion Ratio Lower Upper

94 100

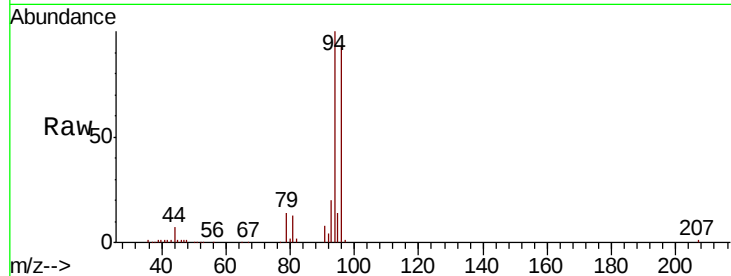
96 93.4 74.7 112.1

Manual Integrations

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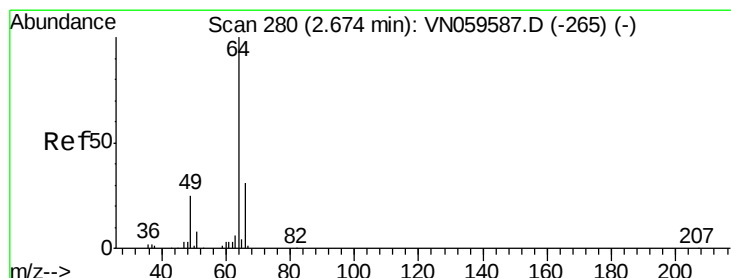
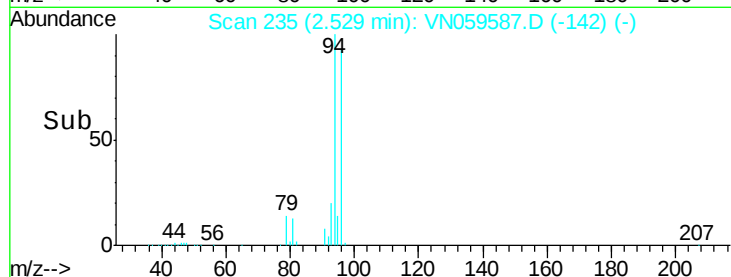
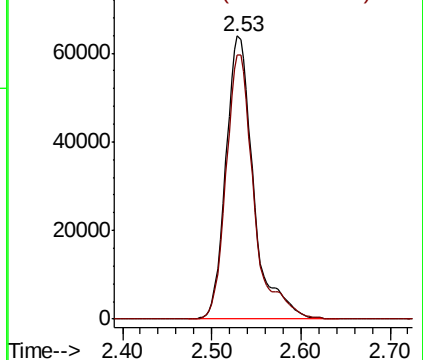
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.015 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN059587.D

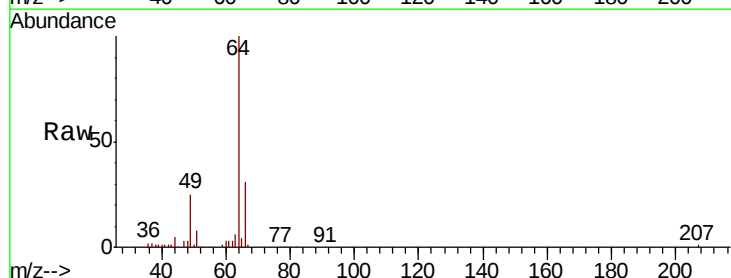
Acq: 13 Dec 2019 16:44

Tgt Ion: 64 Resp: 131856

Ion Ratio Lower Upper

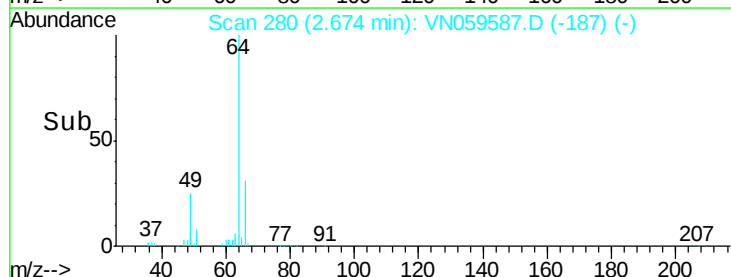
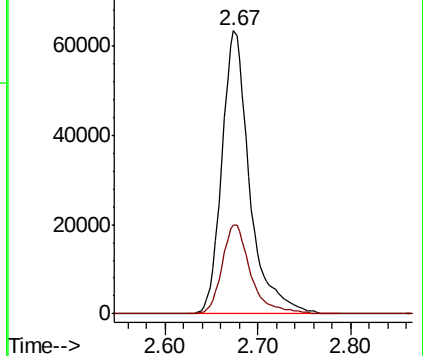
64 100

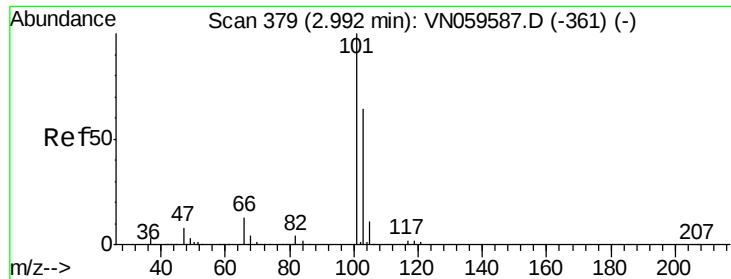
66 31.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

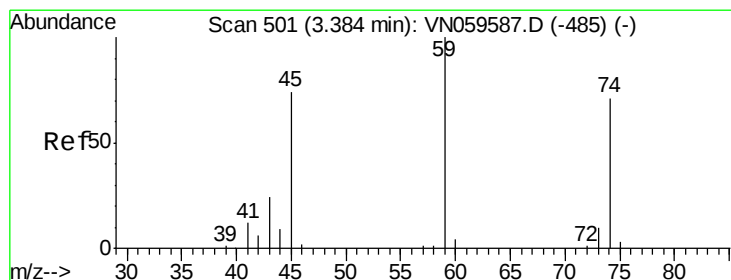
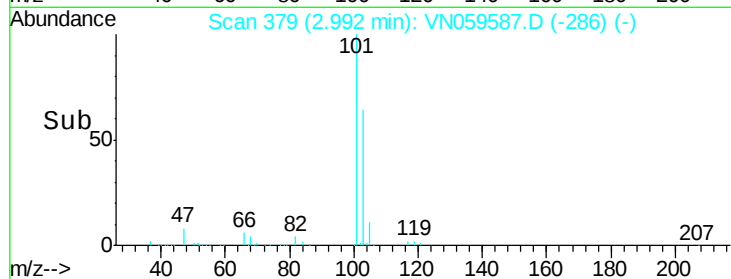
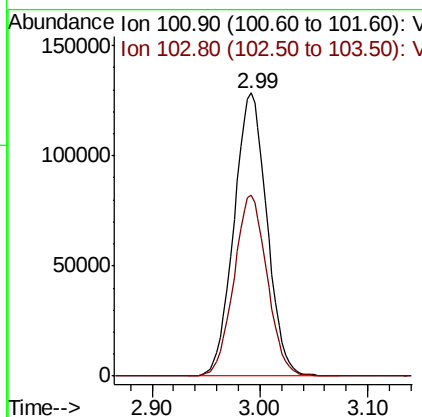
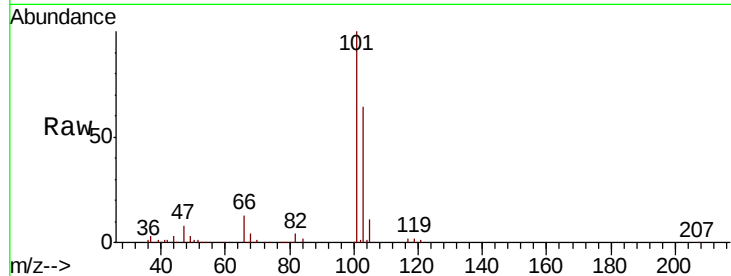
Trichlorofluoromethane
Concen: 50.654 ug/l
RT: 2.99 min Scan# 379
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

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VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.0	76.6

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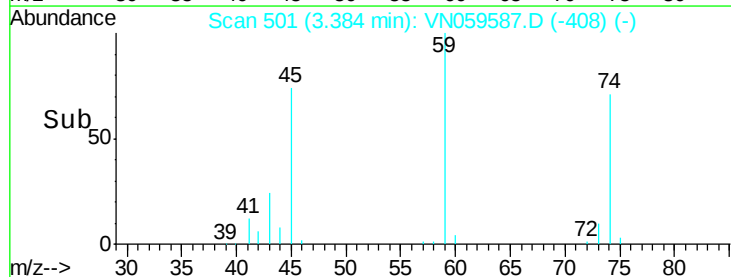
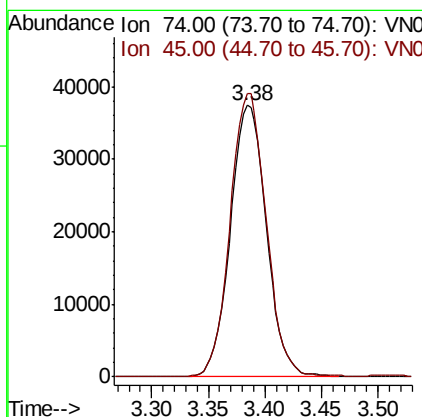
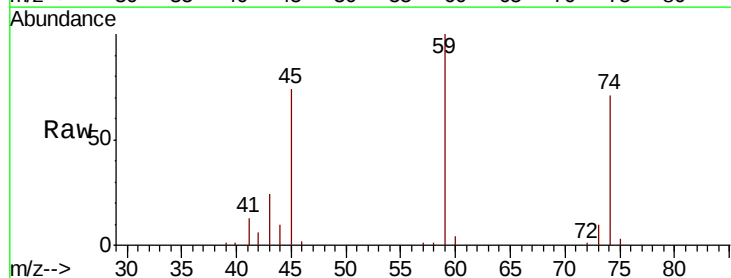
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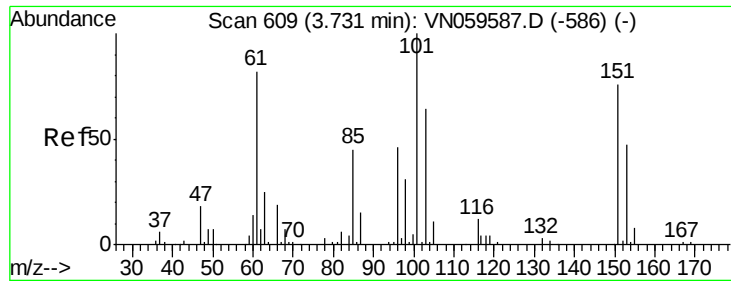


#8

Diethyl Ether
Concen: 45.330 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.9	51.9	155.8





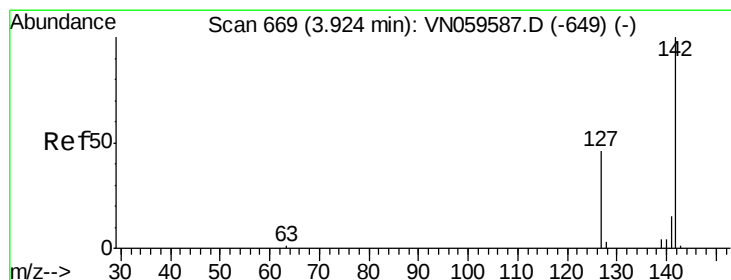
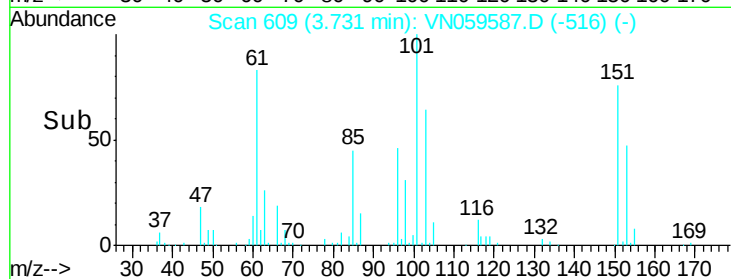
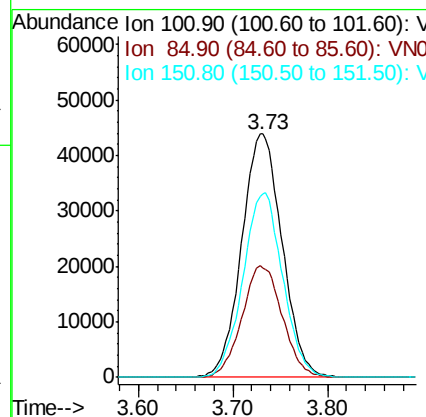
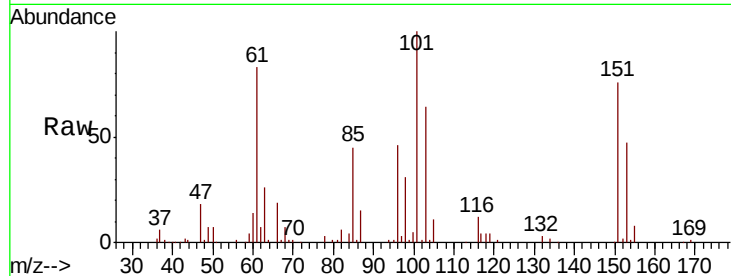
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.674 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.7	36.6	54.8
151	74.6	59.7	89.5

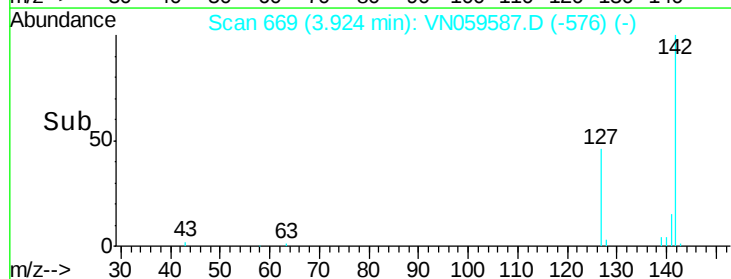
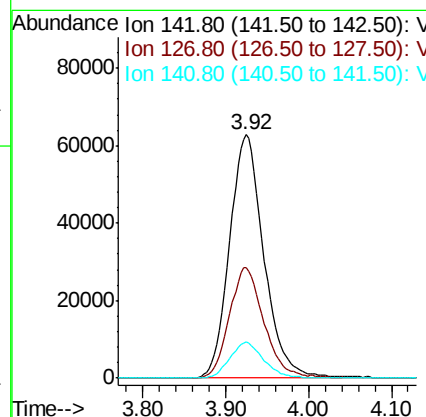
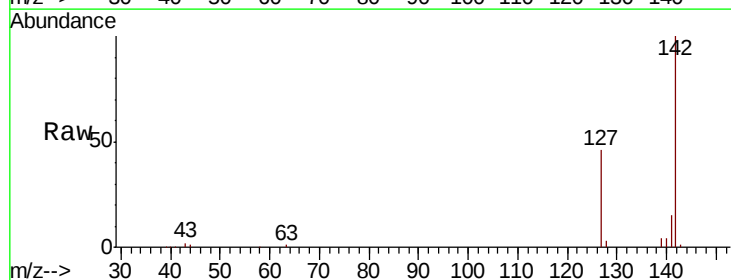
Manual Integrations
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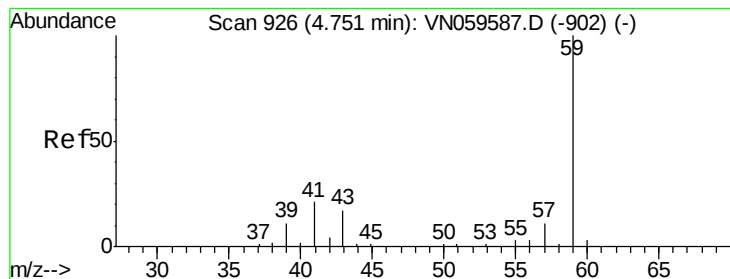
apatel
 12/16/2019 12:48:54 PM



#10
 Methyl Iodide
 Concen: 47.438 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.9	36.7	55.1
141	14.6	11.7	17.5





#11

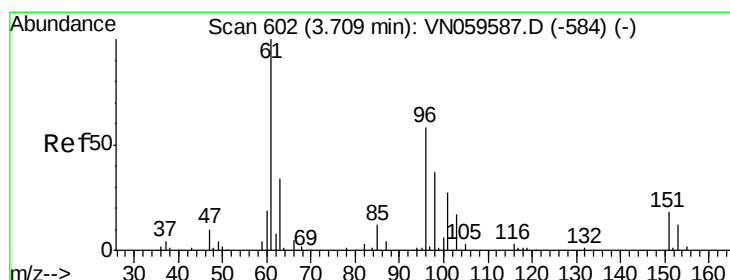
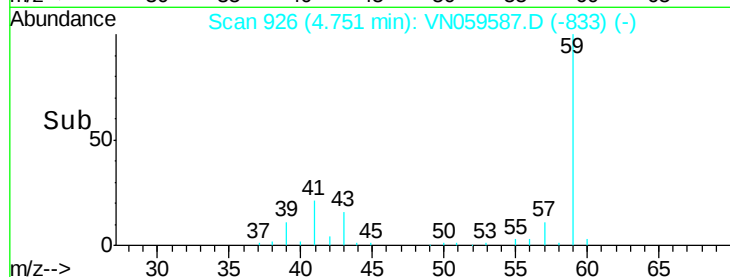
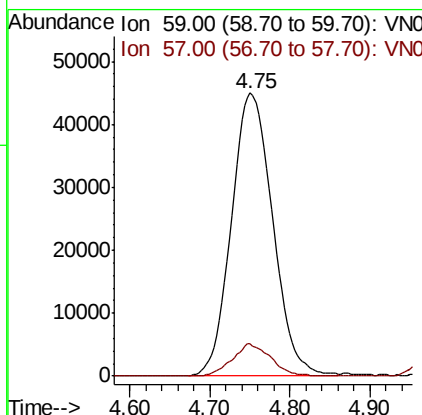
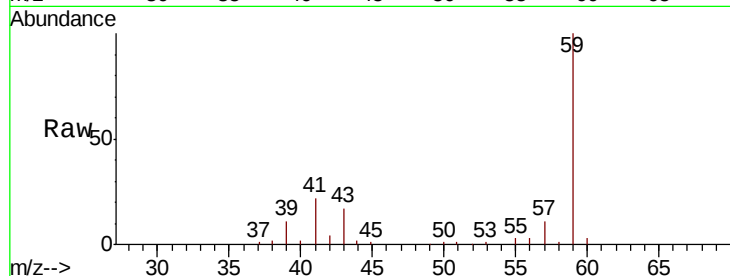
Tert butyl alcohol
Concen: 255.146 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Manual Integrations
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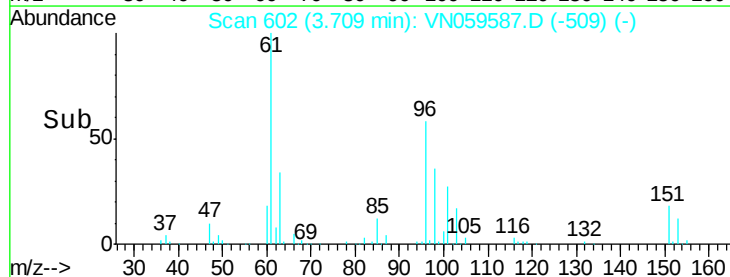
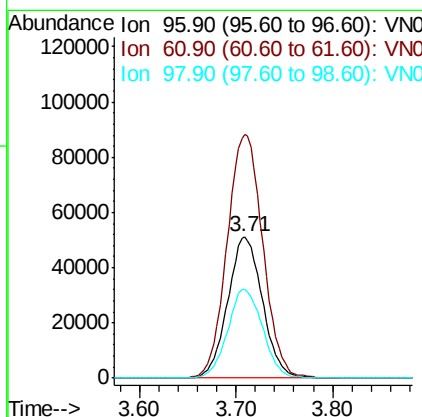
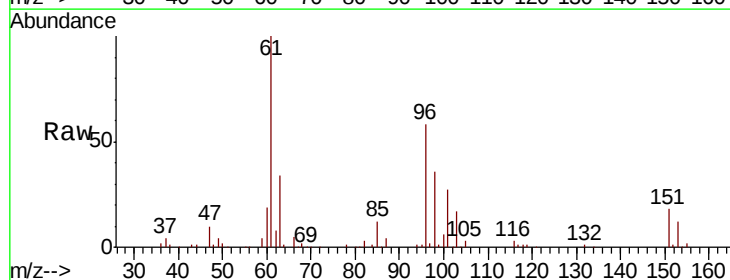
apatel
12/16/2019 12:48:54 PM

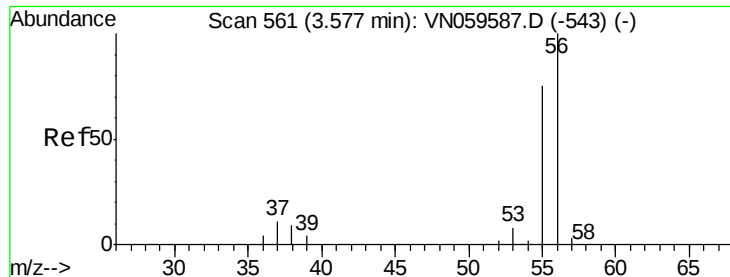


#12

1,1-Dichloroethene
Concen: 46.794 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.9	137.5	206.3
98	62.8	50.2	75.4





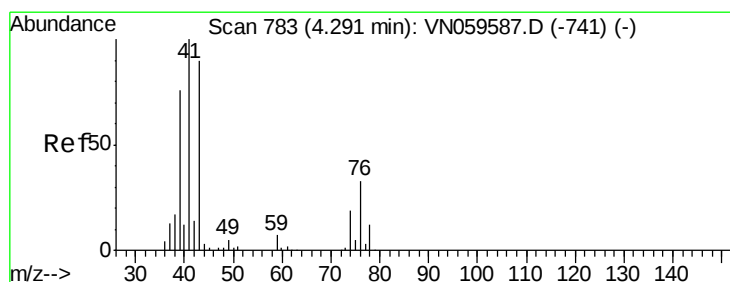
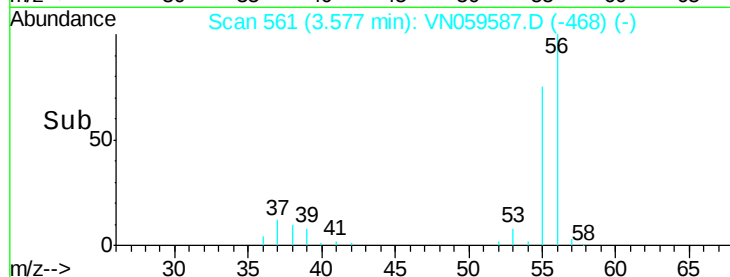
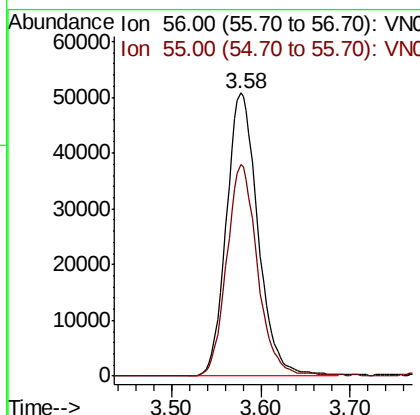
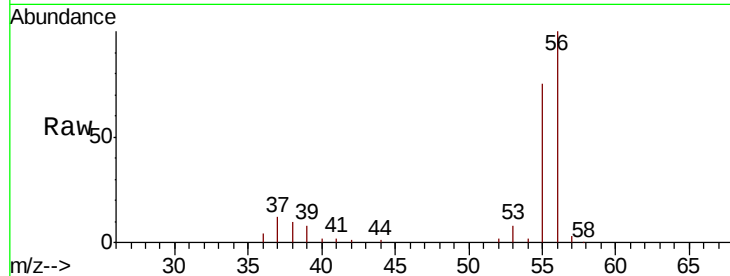
#13
Acrolein
Concen: 353.712 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		124899		
55	73.3	58.6	88.0		

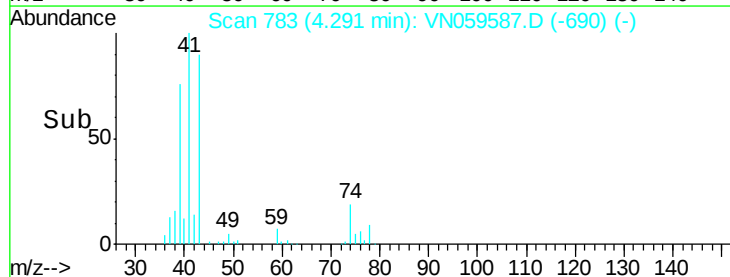
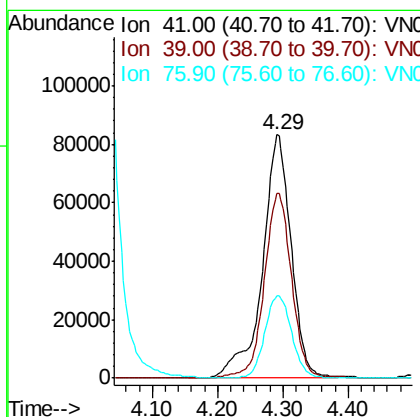
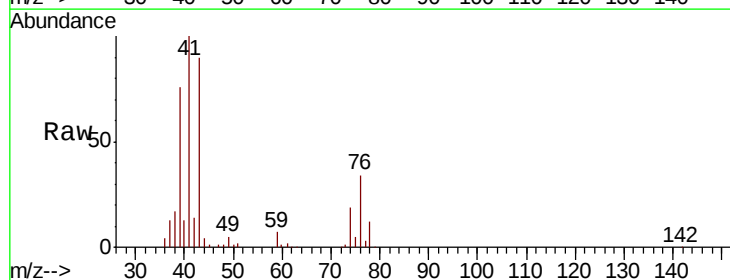
Manual Integrations
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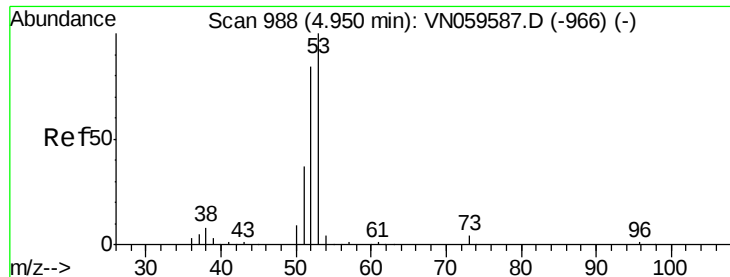
apatel
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#14
Allyl chloride
Concen: 48.818 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	100		255115		
39	72.3	57.8	86.8		
76	31.7	25.4	38.0		





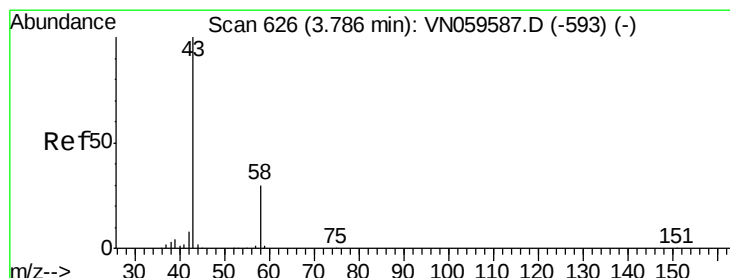
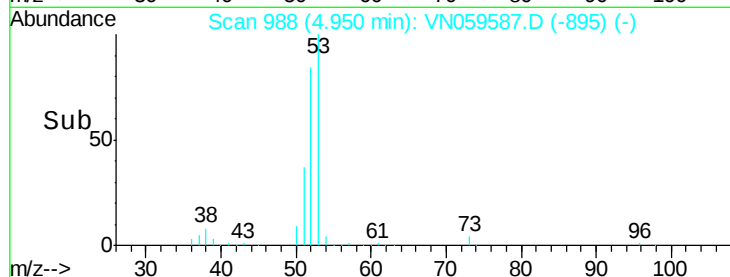
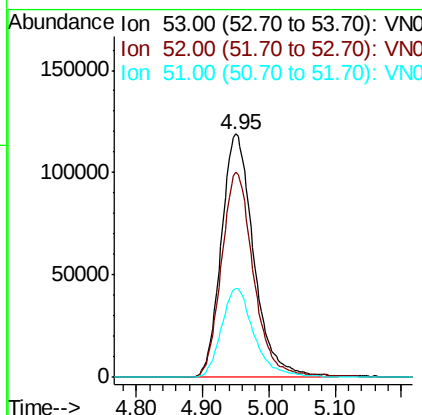
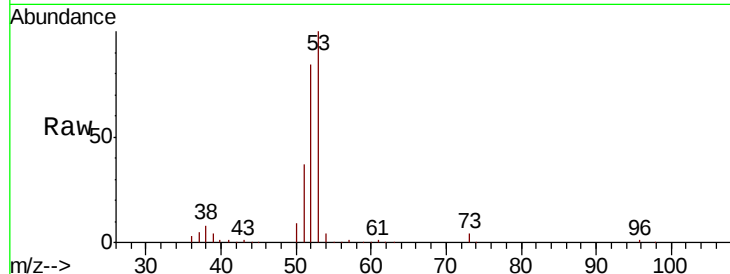
#15
 Acrylonitrile
 Concen: 253.550 ug/l
 RT: 4.95 min Scan# 988
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.3	99.5
51	37.1	29.7	44.5

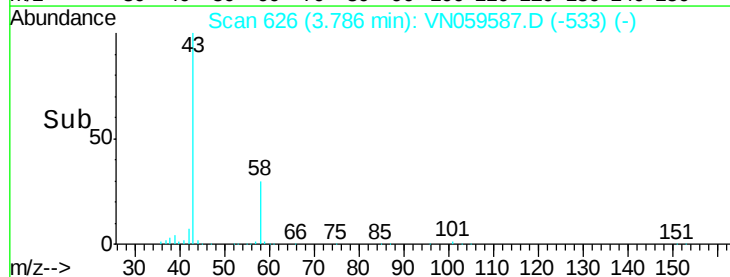
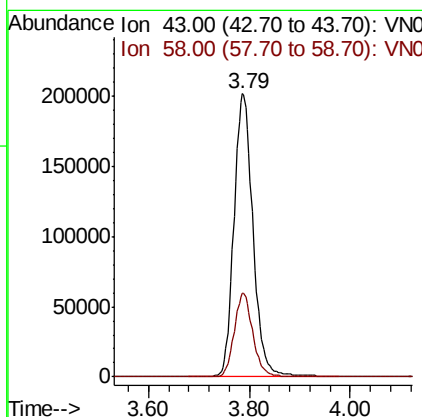
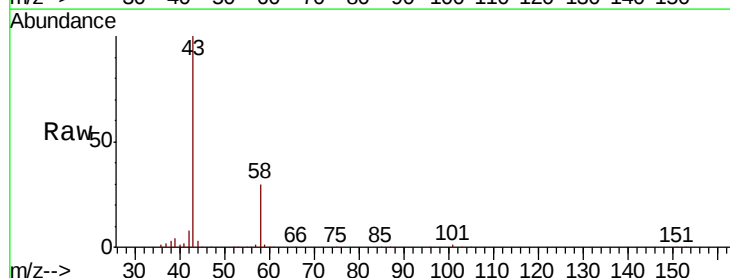
Manual Integrations
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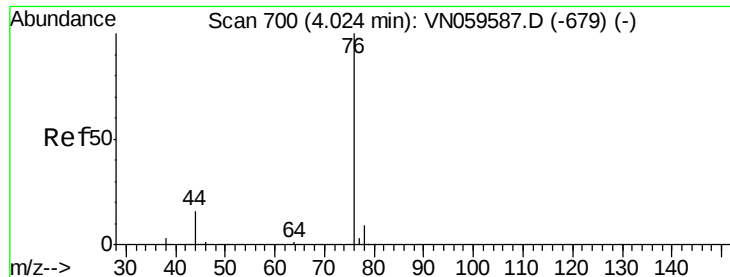
apatel
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#16
 Acetone
 Concen: 294.084 ug/l
 RT: 3.79 min Scan# 626
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.5	23.6	35.4





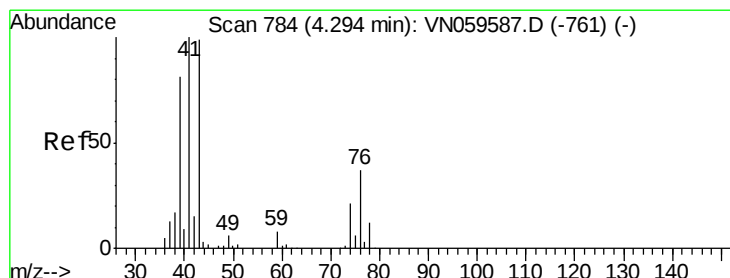
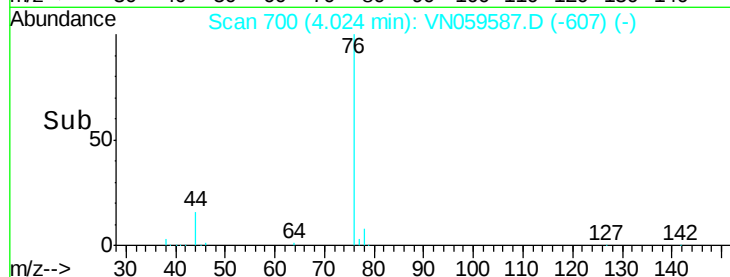
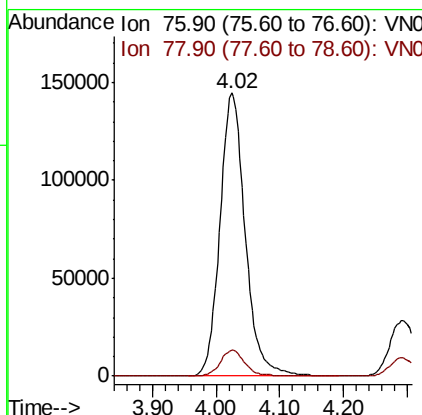
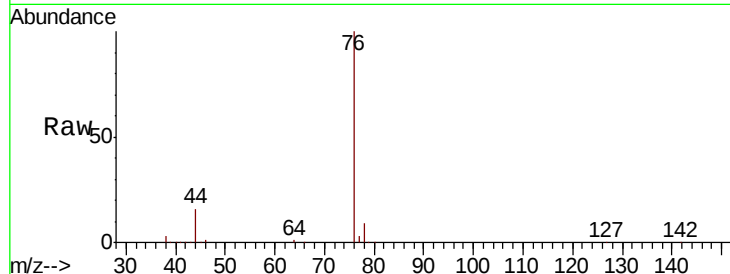
#17
Carbon Disulfide
Concen: 39.889 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

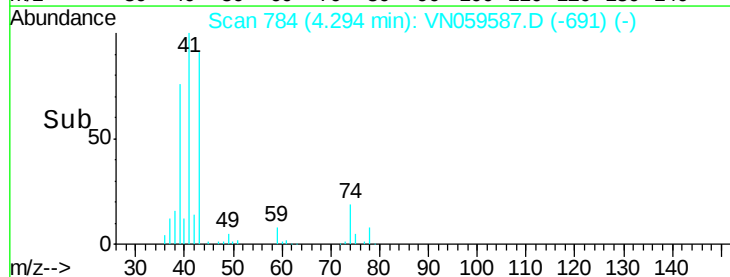
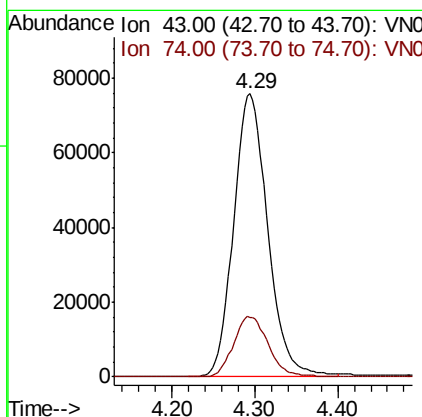
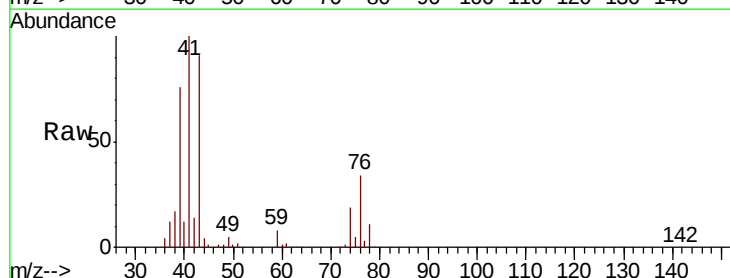
Manual Integrations
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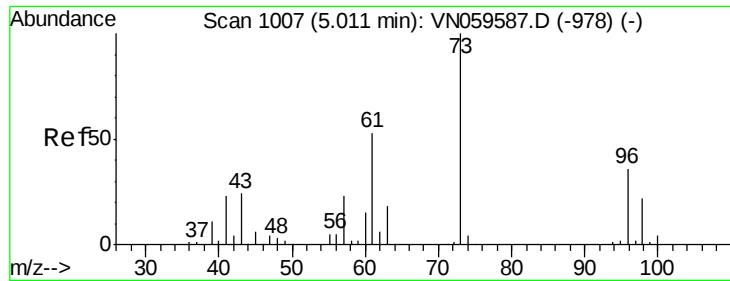
apatel
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#18
Methyl Acetate
Concen: 47.878 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	17.5	26.3





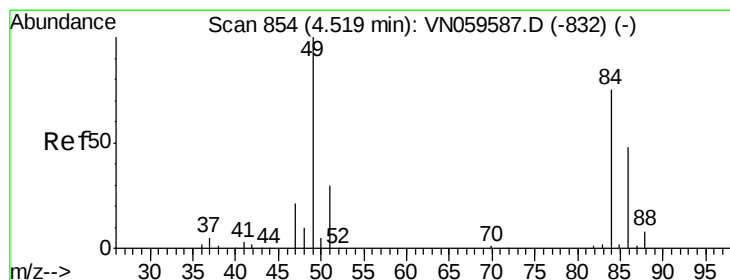
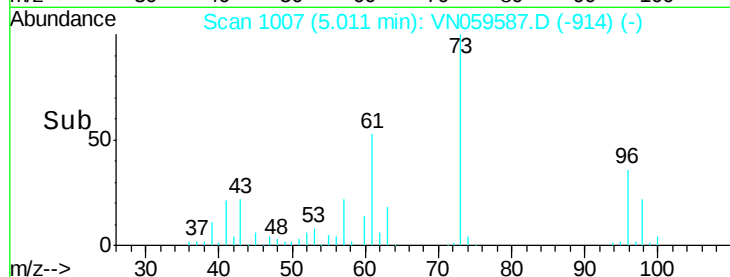
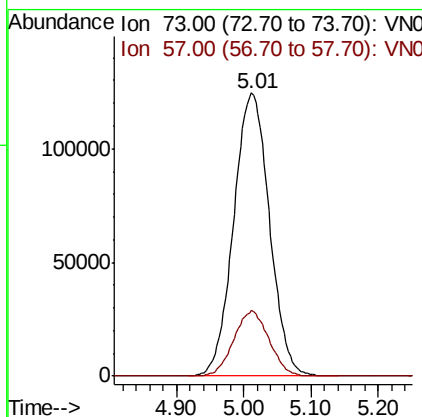
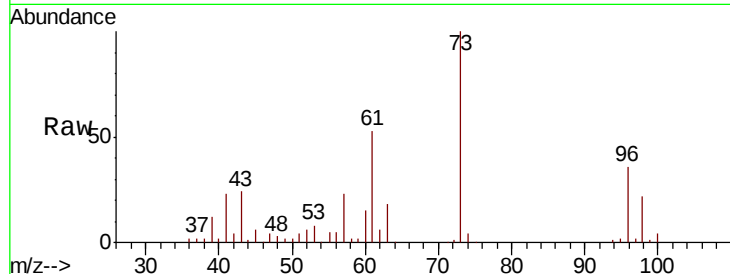
#19
Methvl tert-butvl Ether
Concen: 50.918 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 460650
Ion Ratio Lower Upper
73 100
57 23.2 18.6 27.8

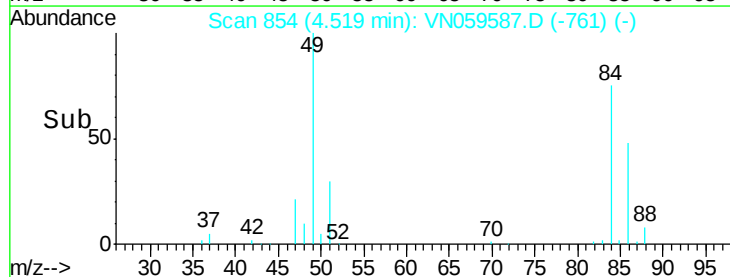
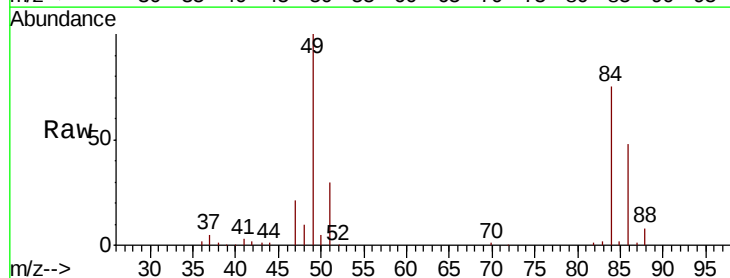
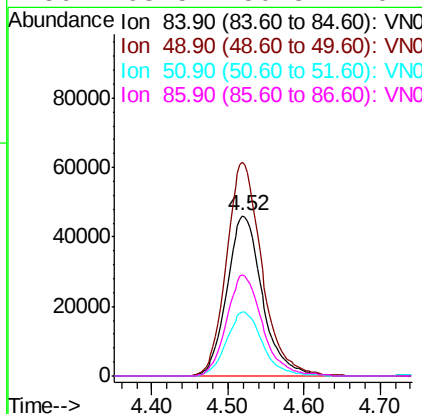
Manual Integrations
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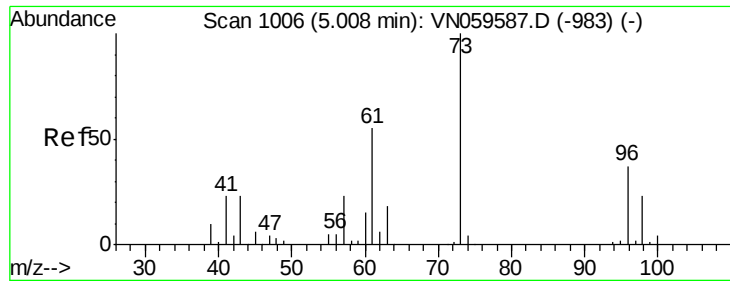
apatel
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#20
Methylene Chloride
Concen: 43.304 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion: 84 Resp: 149492
Ion Ratio Lower Upper
84 100
49 133.3 106.6 160.0
51 39.9 31.9 47.9
86 63.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 48.458 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 96 Resp: 141219

Ion Ratio Lower Upper

96 100

61 150.5 120.4 180.6

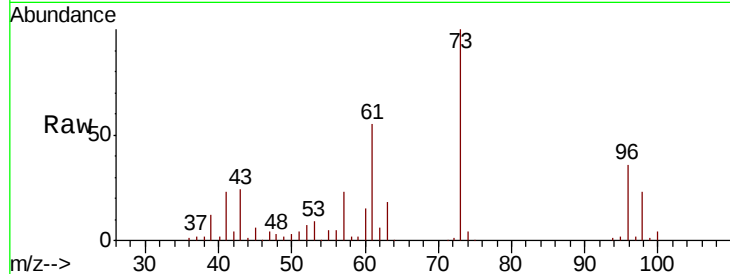
98 63.2 50.6 75.8

Manual Integrations

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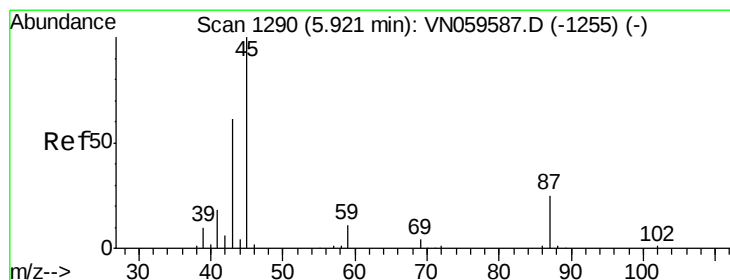
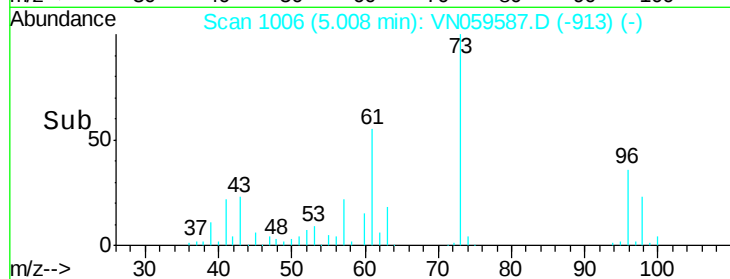
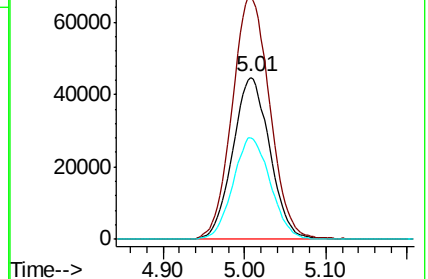
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Abundance Ion 95.90 (95.60 to 96.60): VN059587.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN059587.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-983) (-)



#22

Diisopropyl ether

Concen: 50.235 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tgt Ion: 45 Resp: 499545

Ion Ratio Lower Upper

45 100

43 63.5 50.8 76.2

87 26.3 21.0 31.6

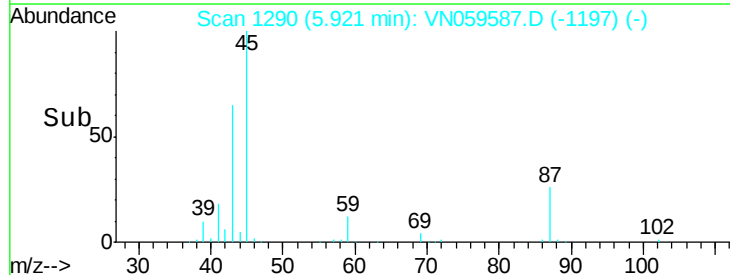
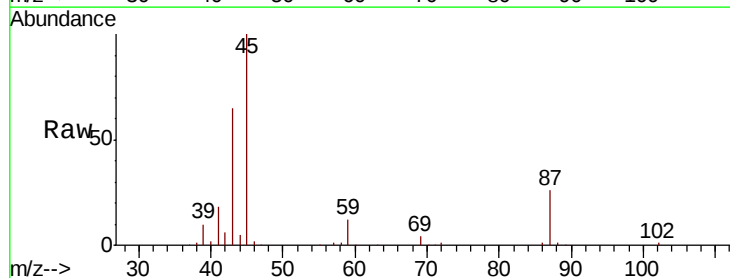
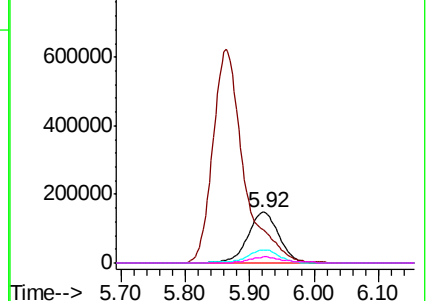
59 11.4 9.1 13.7

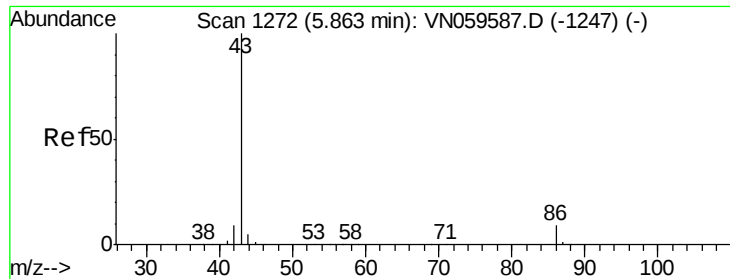
Abundance Ion 45.00 (44.70 to 45.70): VN059587.D (-1255) (-)

Ion 43.00 (42.70 to 43.70): VN059587.D (-1255) (-)

Ion 87.00 (86.70 to 87.70): VN059587.D (-1255) (-)

Ion 59.00 (58.70 to 59.70): VN059587.D (-1255) (-)





#23

Vinyl Acetate

Concen: 251.526 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tot Ion: 43 Resp: 2071633

Ion Ratio Lower Upper

43 100

86 9.5 7.6 11.4

Instrument :

MSVOA_N

ClientSampleId :

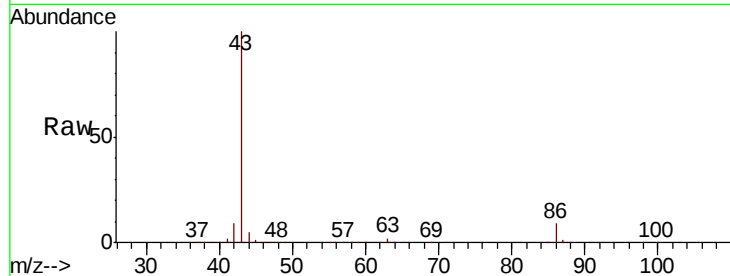
VSTDICCC050

Manual Integrations

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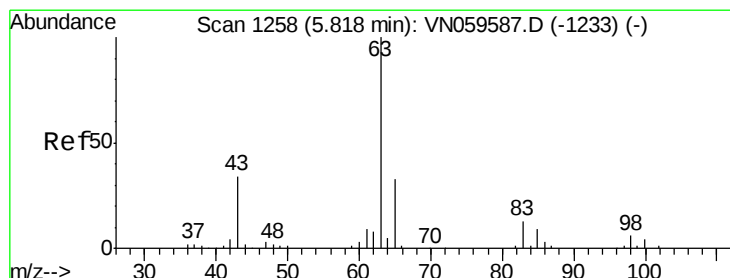
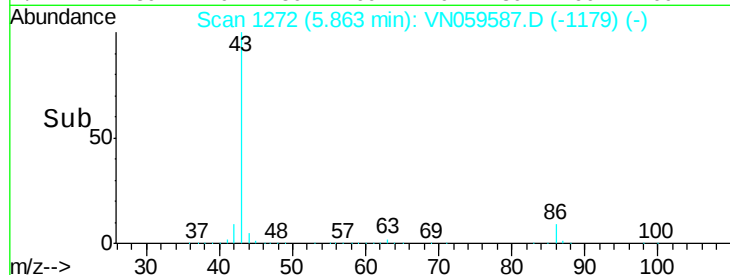
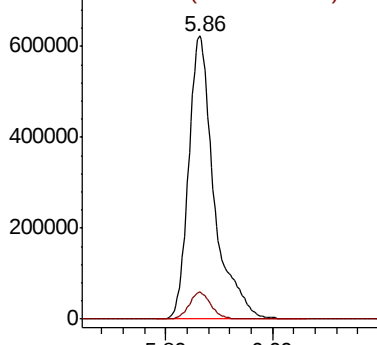
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 49.373 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

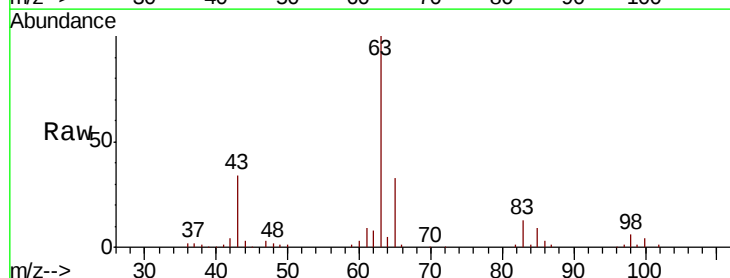
Tgt Ion: 63 Resp: 279071

Ion Ratio Lower Upper

63 100

98 5.8 2.9 8.7

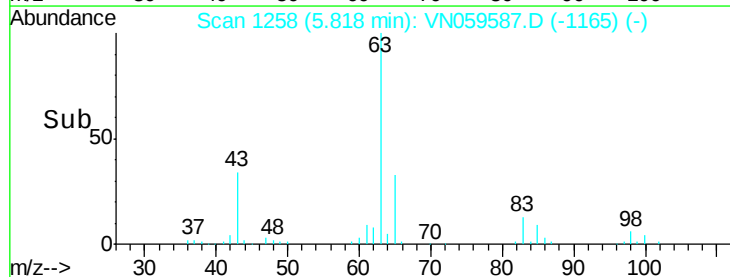
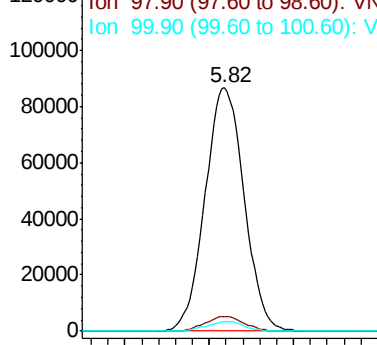
100 4.0 2.0 6.0

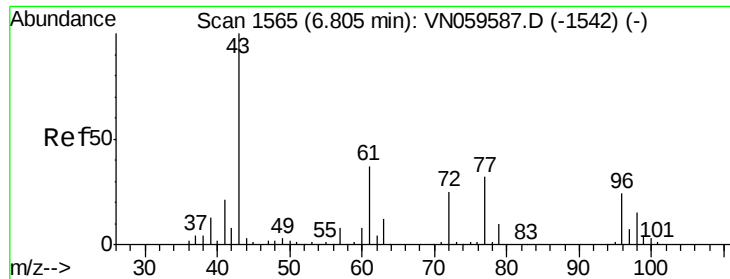


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 275.715 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 644573

Ion Ratio Lower Upper

43 100

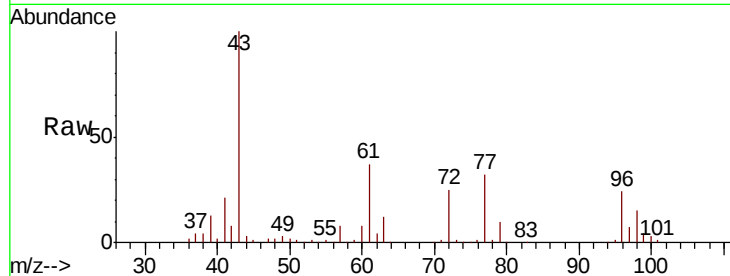
72 24.9 19.9 29.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

250000

200000

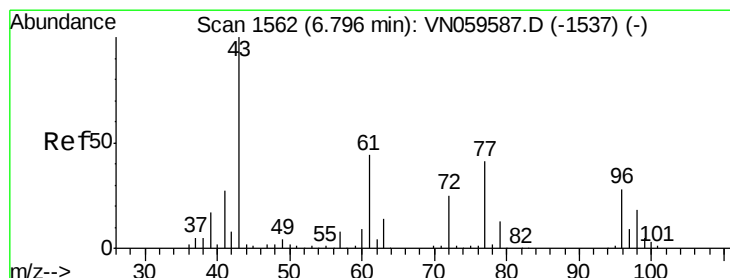
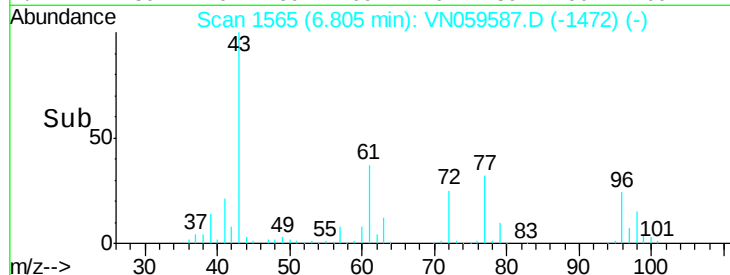
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 49.732 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059587.D

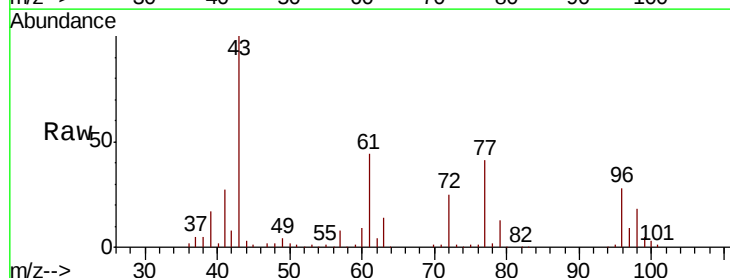
Acq: 13 Dec 2019 16:44

Tgt Ion: 77 Resp: 254136

Ion Ratio Lower Upper

77 100

97 21.3 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.80

80000

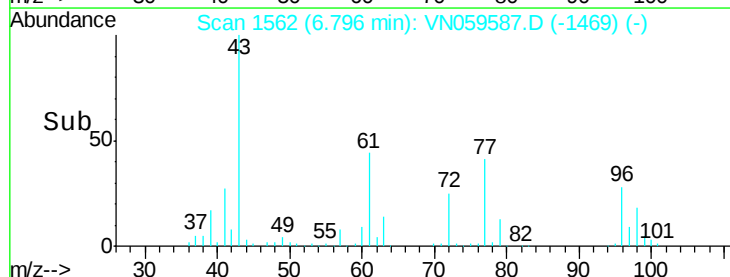
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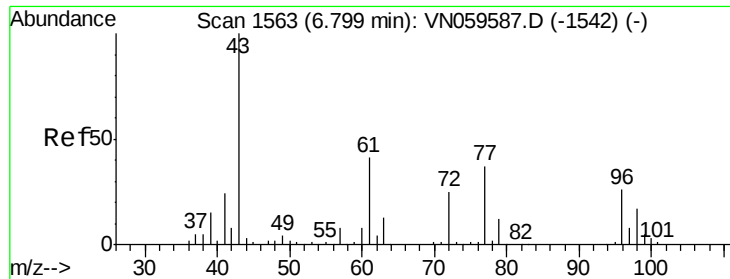
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.503 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059587.D

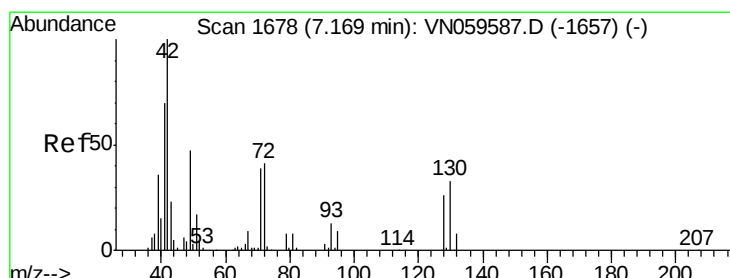
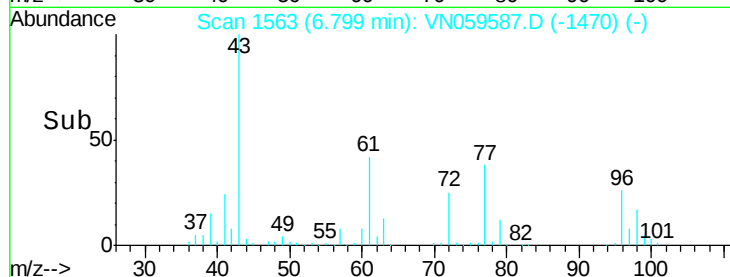
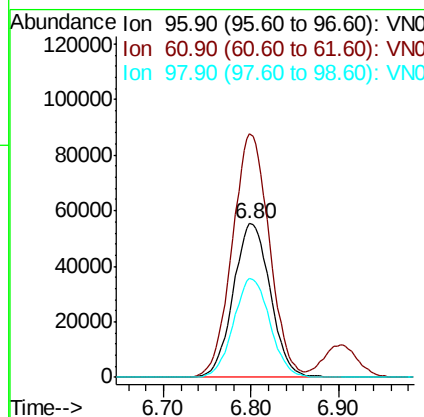
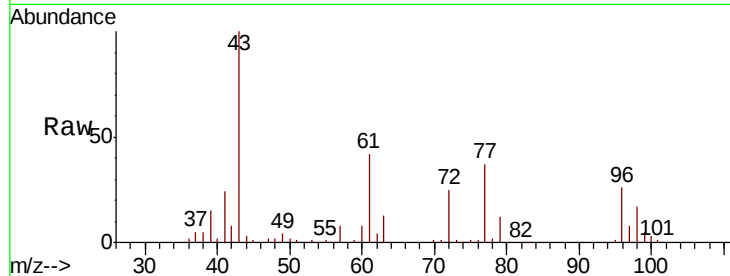
Acq: 13 Dec 2019 16:44

Tot Ion:	96	Resp:	162491
Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	317.6
98	63.5	0.0	127.0

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations
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#28

Bromochloromethane

Concen: 63.841 ug/l

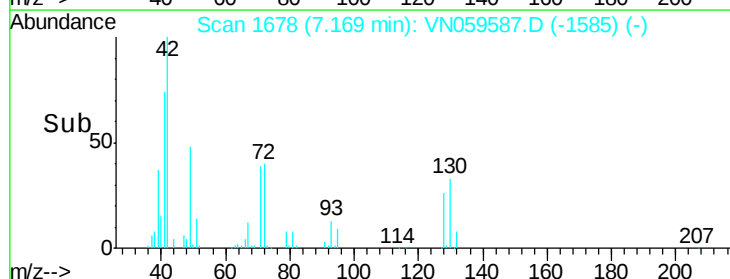
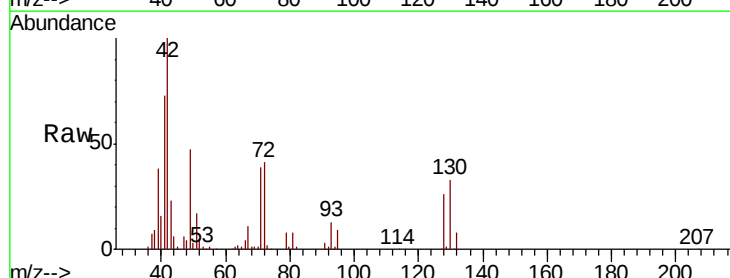
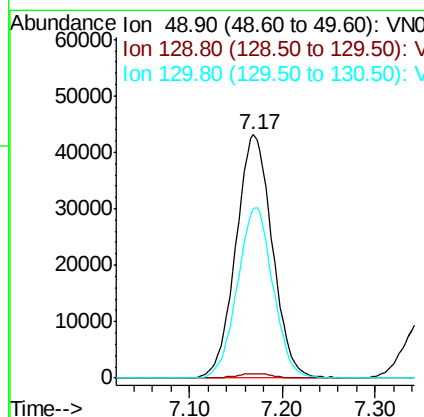
RT: 7.17 min Scan# 1678

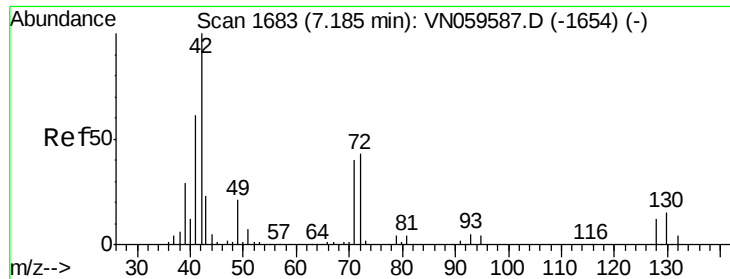
Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tgt Ion:	49	Resp:	117511
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.4	54.7	82.1





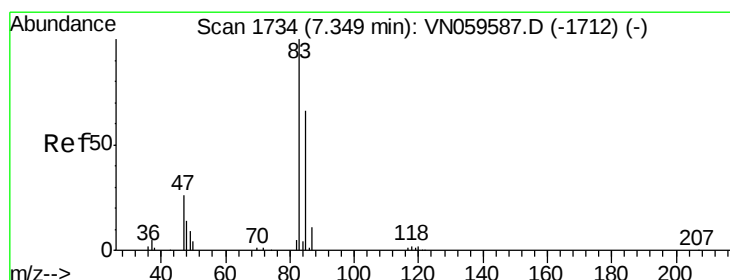
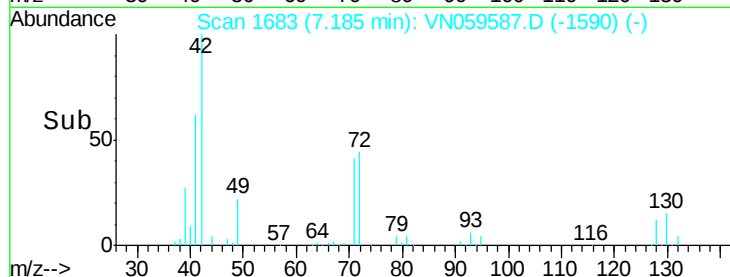
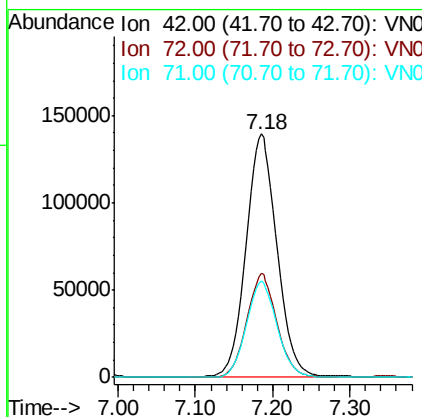
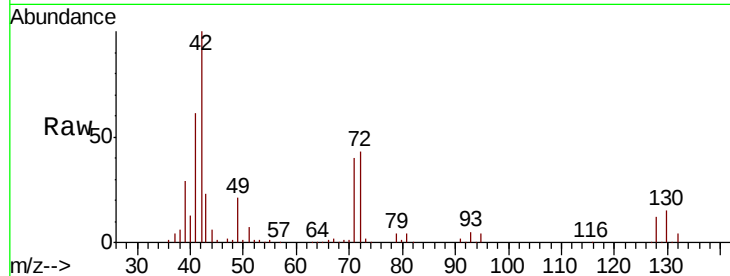
#29
Tetrahydrofuran
Concen: 243.142 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.1	49.7
71	39.2	31.4	47.0

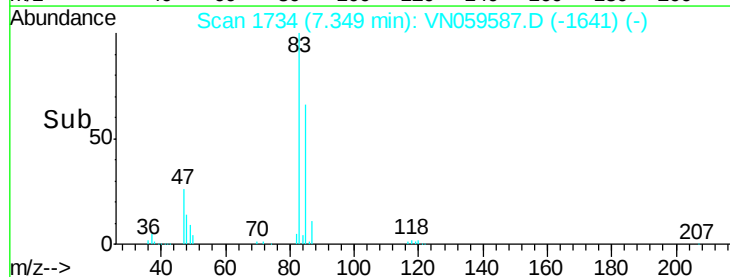
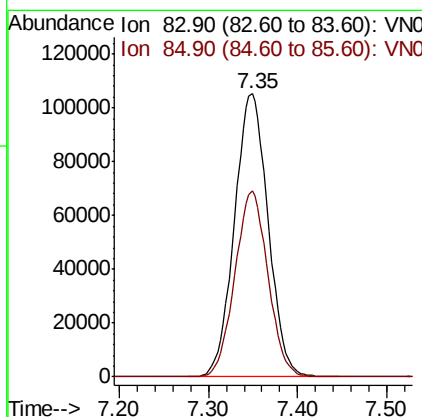
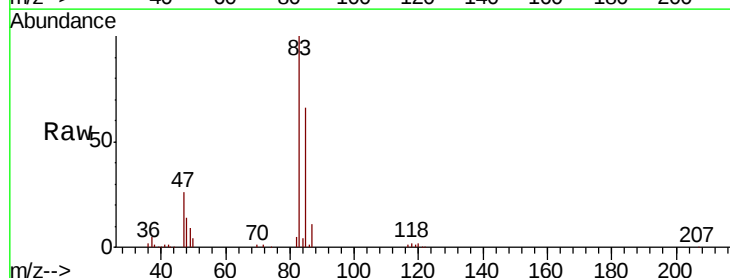
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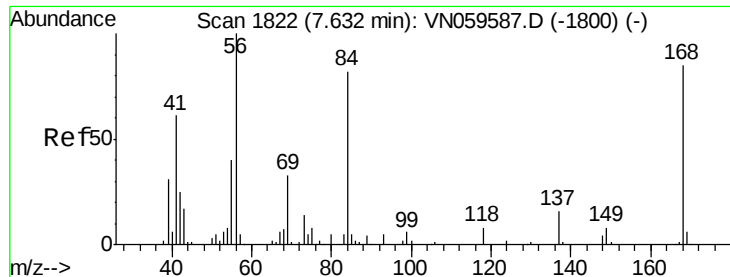
apatel
12/16/2019 12:48:54 PM



#30
Chloroform
Concen: 49.344 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





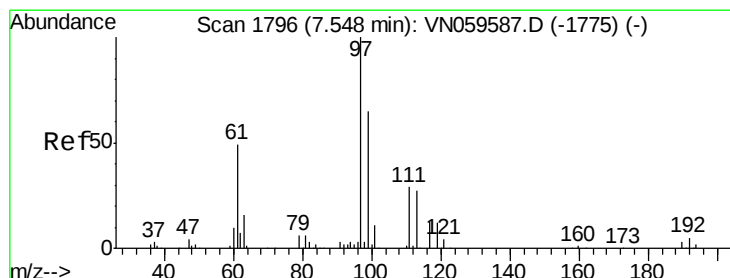
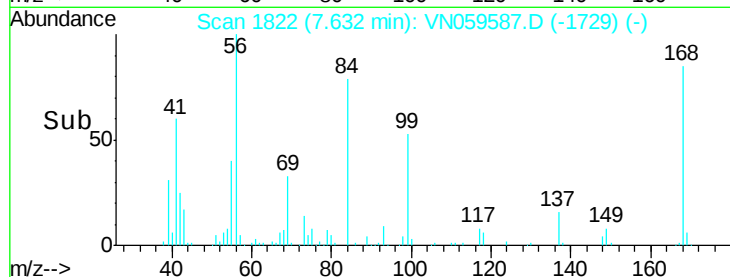
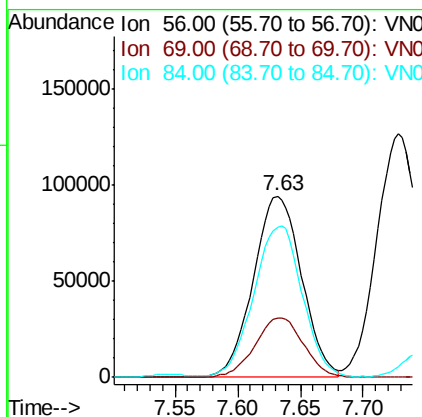
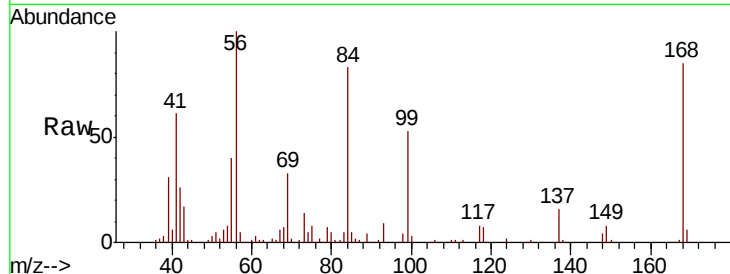
#31
Cyclohexane
Concen: 45.941 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	26.5	39.7
84	81.6	65.3	97.9

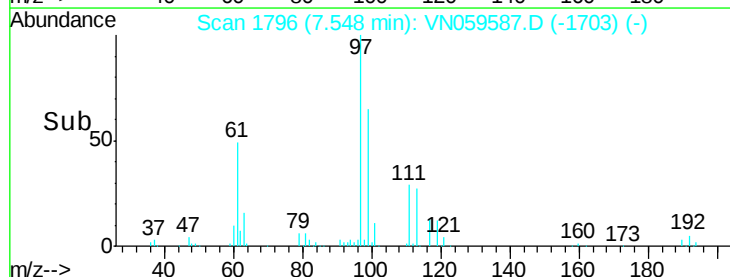
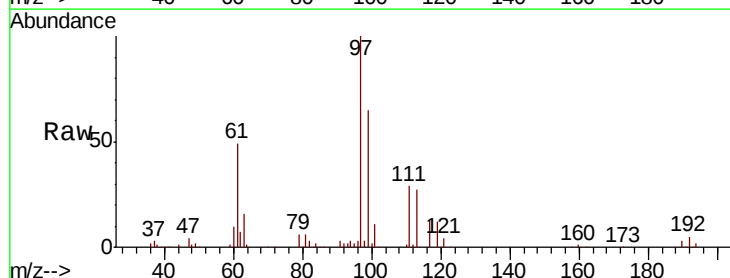
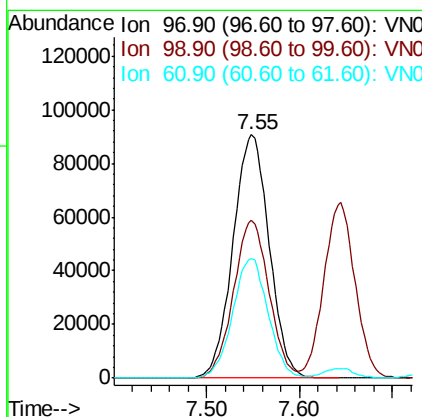
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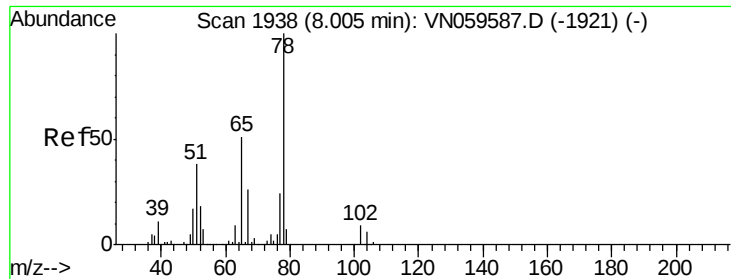
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#32
1,1,1-Trichloroethane
Concen: 49.627 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.4
61	48.1	38.5	57.7





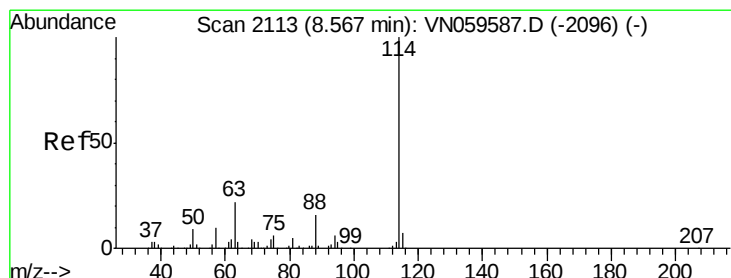
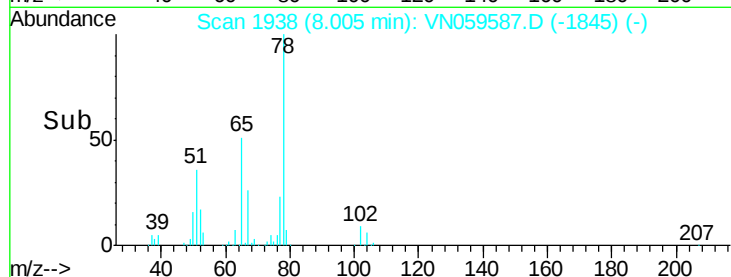
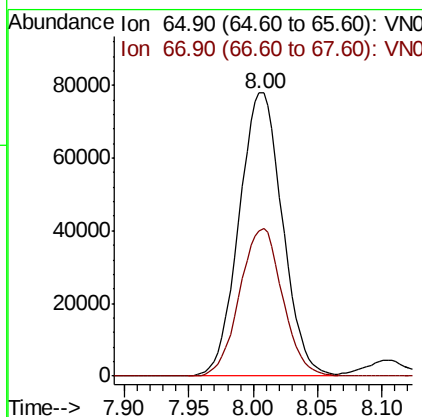
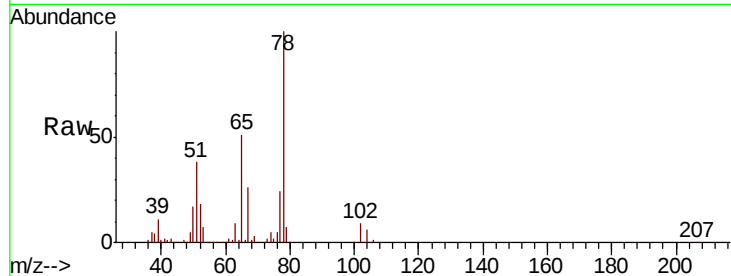
#33
 1,2-Dichloroethane-d4
 Concen: 49.874 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0

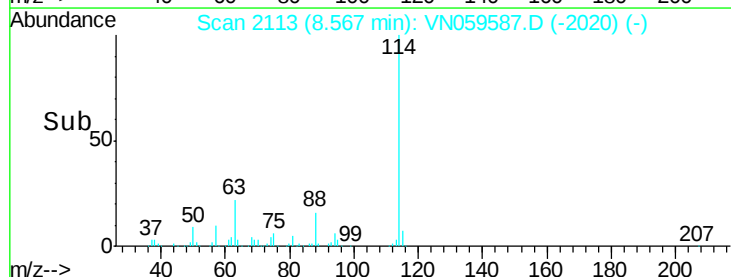
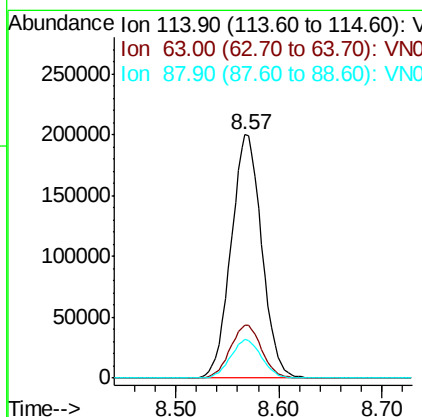
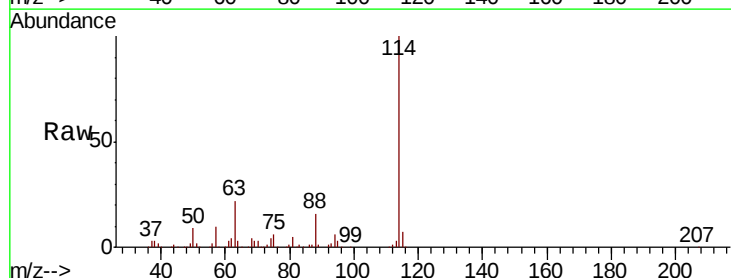
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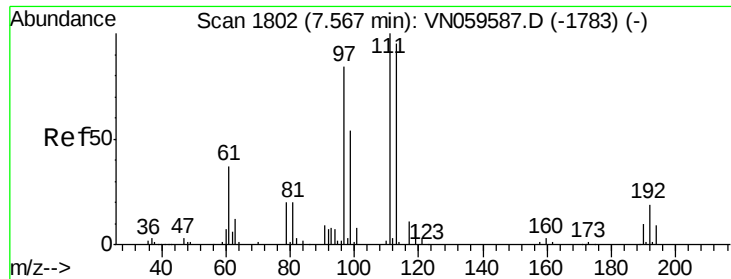
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.6
88	15.7	0.0	31.4





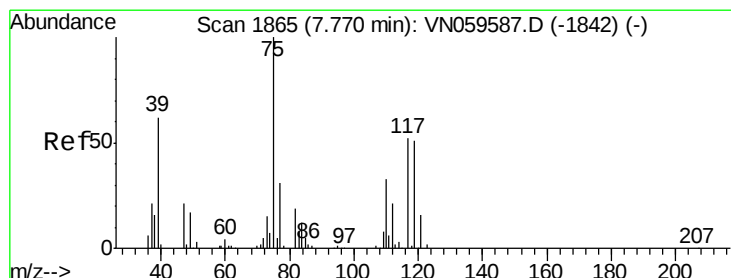
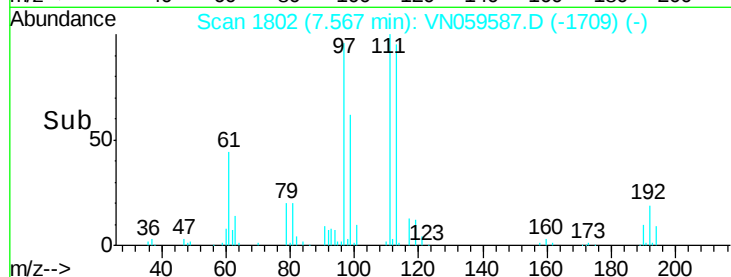
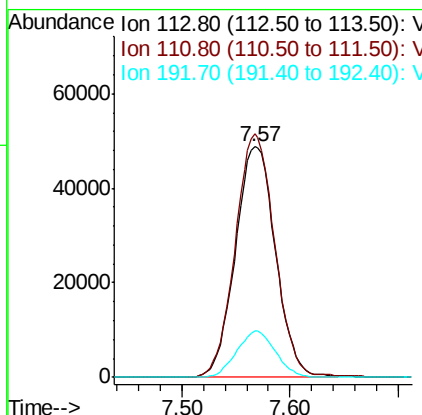
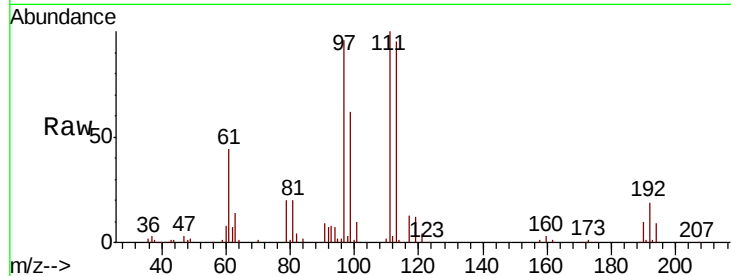
#35
 Dibromofluoromethane
 Concen: 50.279 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	126344		
111	104.4	83.5	125.3	
192	19.3	15.4	23.2	

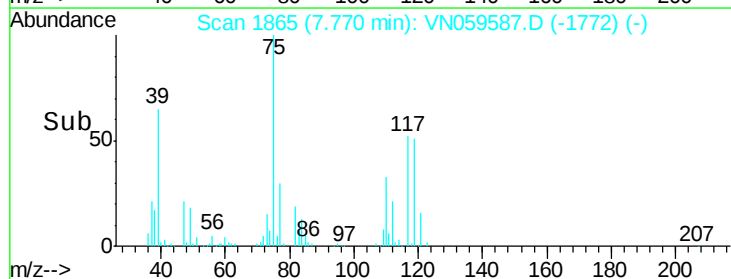
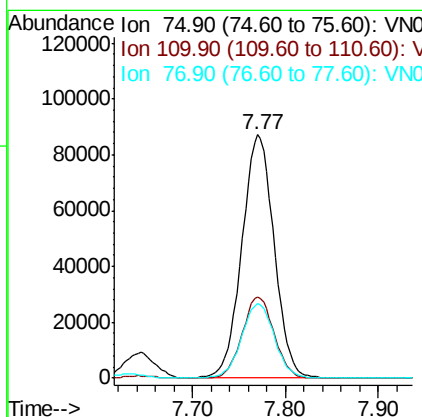
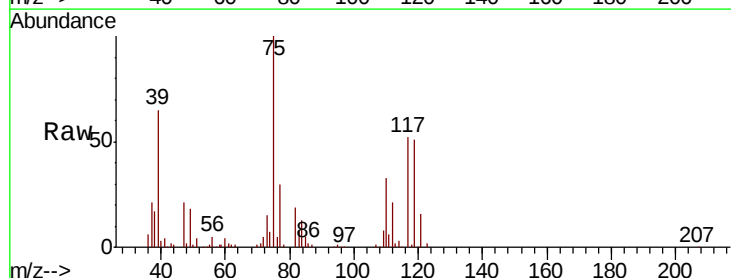
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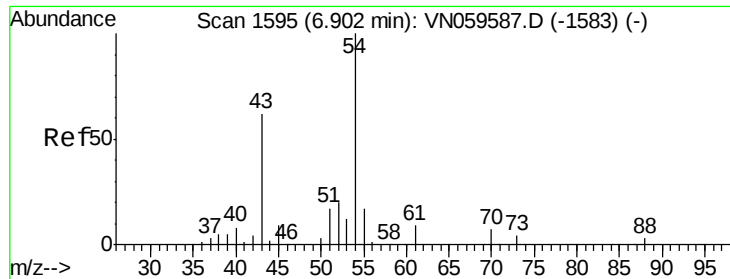
apatel
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#36
 1,1-Dichloropropene
 Concen: 48.592 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	209524		
110	33.1	16.6	49.7	
77	31.4	25.1	37.7	





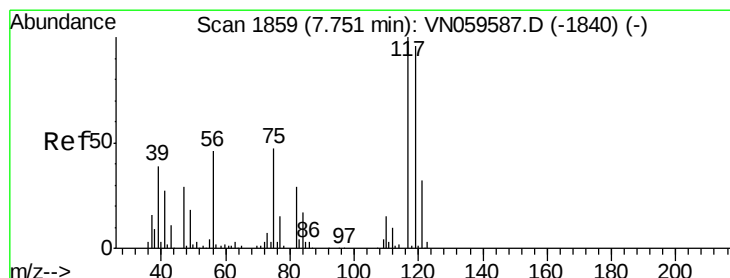
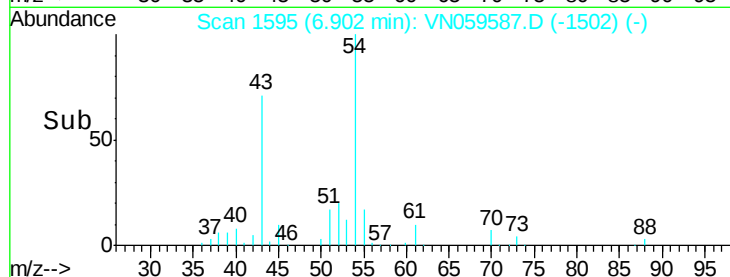
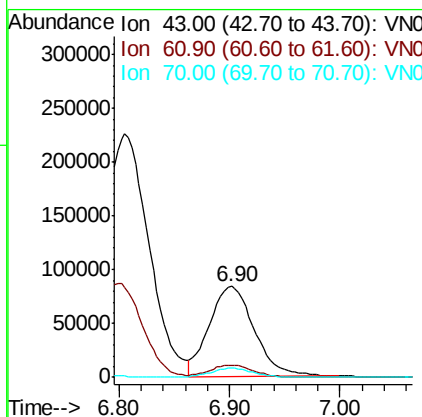
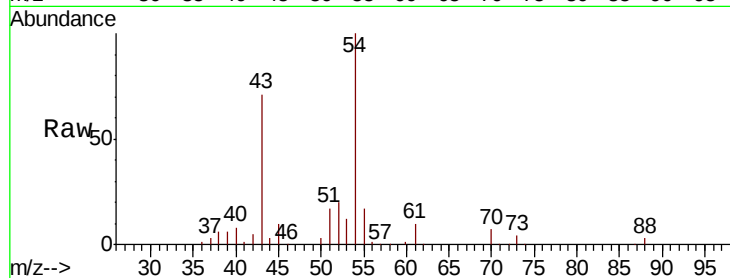
#37
Ethyl Acetate
Concen: 52.912 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	9.6	7.7	11.5

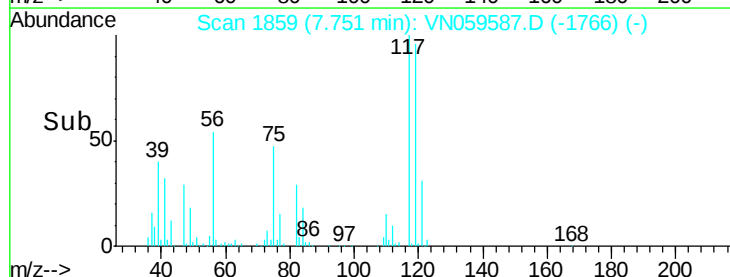
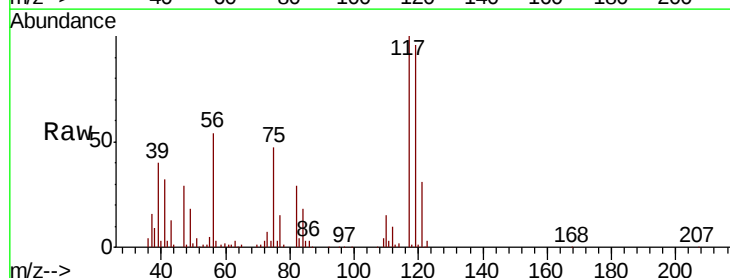
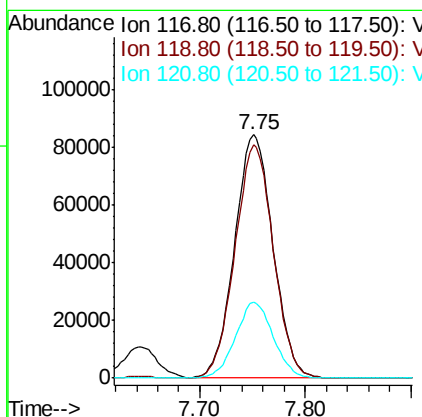
Manual Integrations
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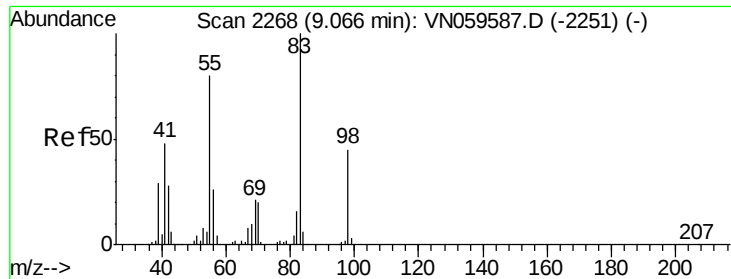
apatel
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#38
Carbon Tetrachloride
Concen: 50.195 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
121	31.4	25.1	37.7





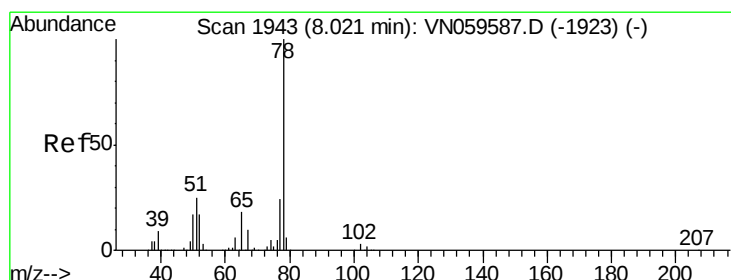
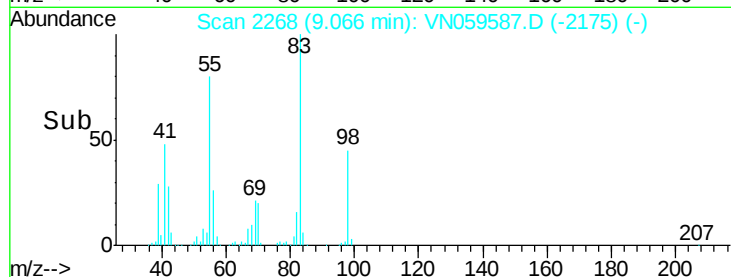
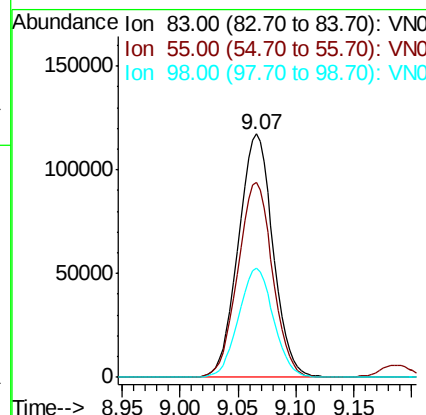
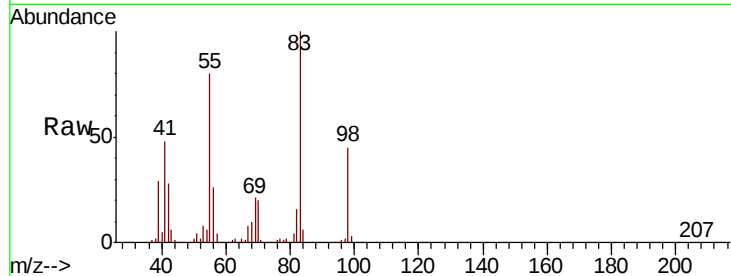
#39
Methvlcvclohexane
Concen: 50.351 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	64.2	96.2
98	44.9	35.9	53.9

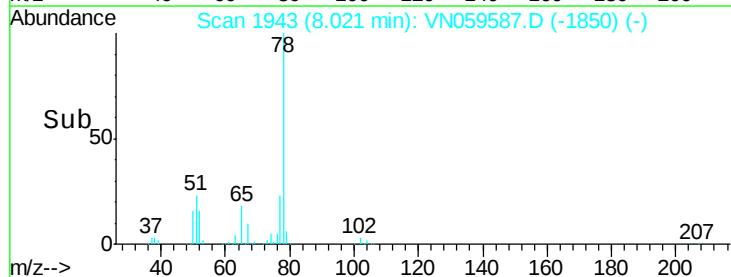
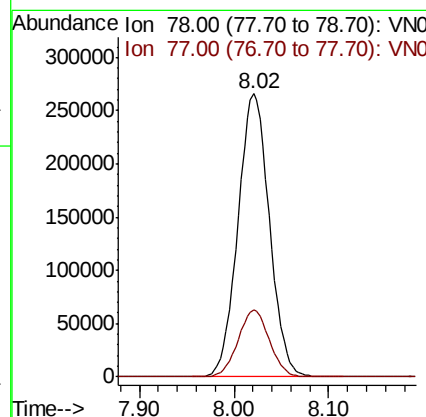
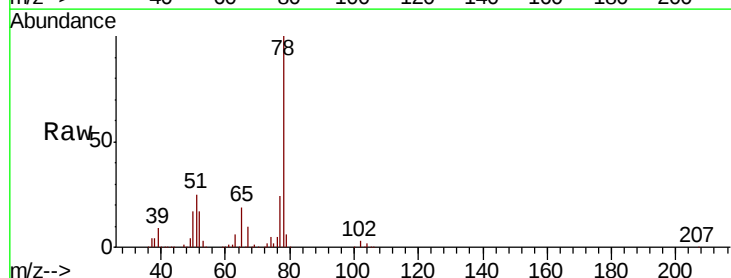
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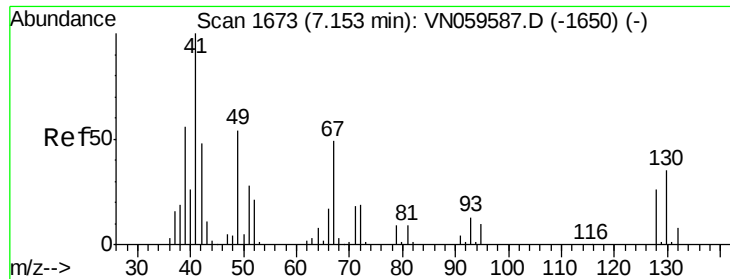
apatel
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#40
Benzene
Concen: 49.796 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





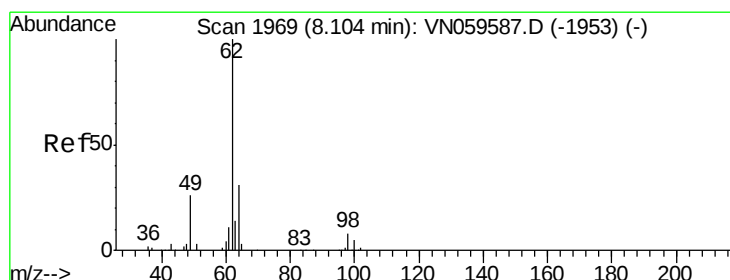
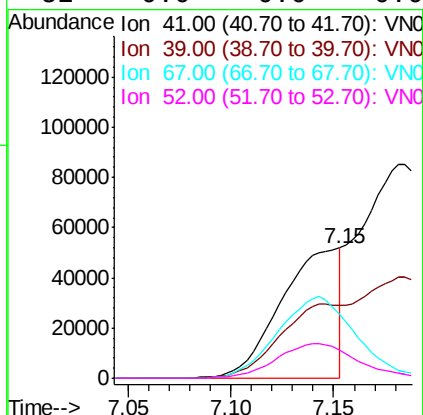
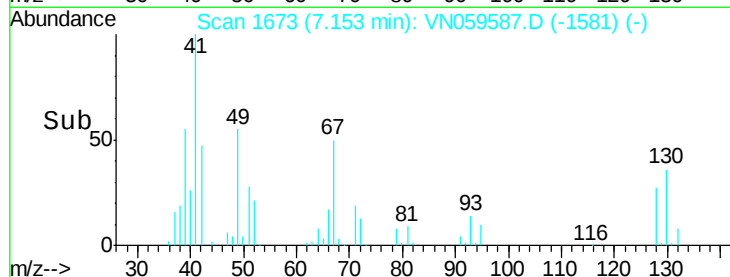
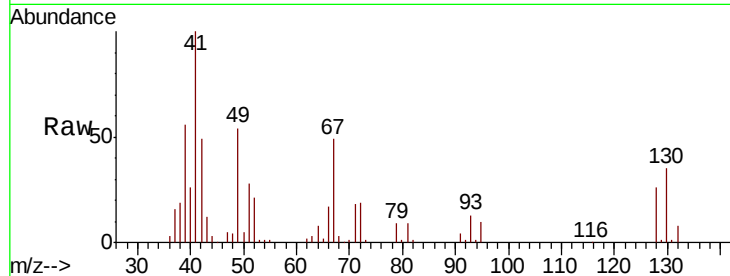
#41
Methacrylonitrile
Concen: 48.961 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	103040
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

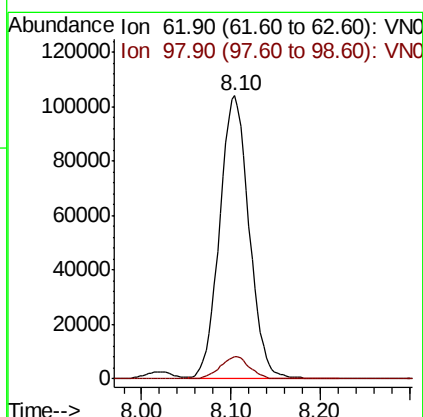
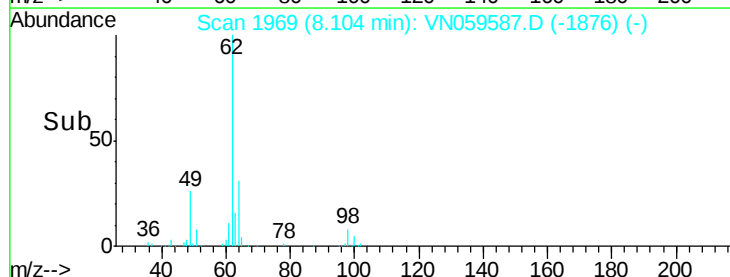
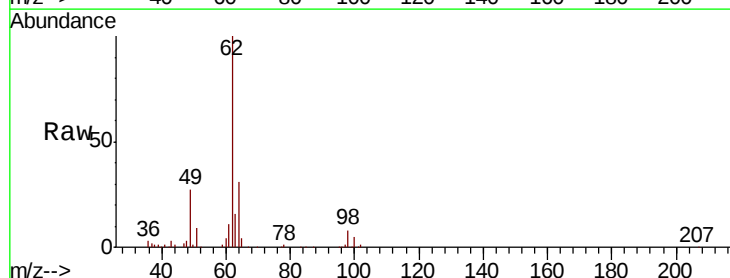
Manual Integrations
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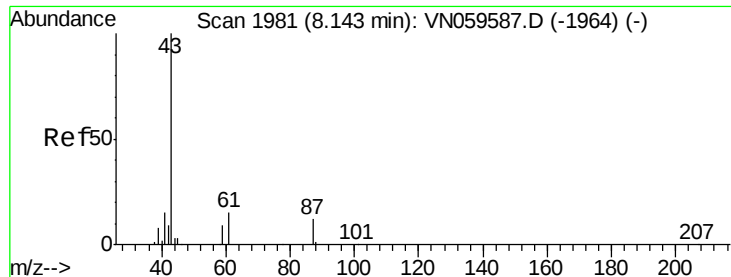
apatel
12/16/2019 12:48:54 PM



#42
1,2-Dichloroethane
Concen: 51.542 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	62	Resp	237514
Ion Ratio	Lower	Upper	
62	100		
98	7.9	0.0	15.8





#43

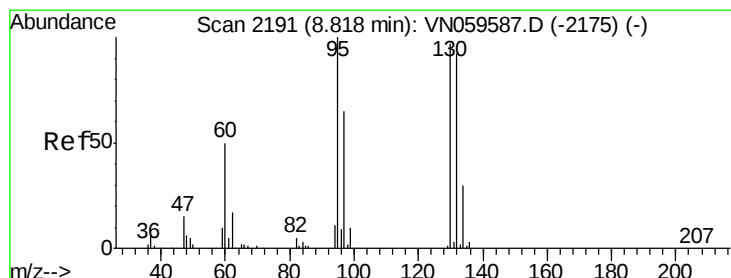
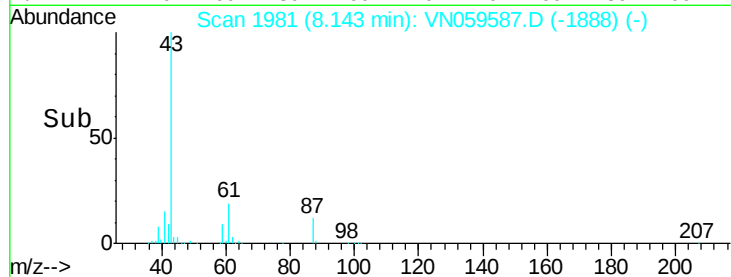
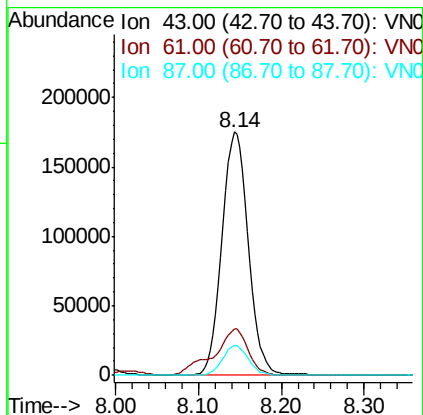
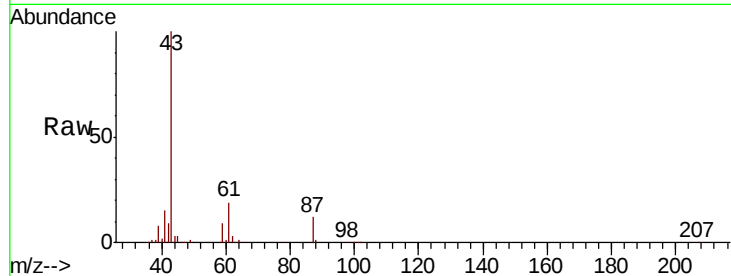
Isopropyl Acetate
 Concen: 51.526 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.2	20.2	30.2
87	11.9	9.5	14.3

Manual Integrations
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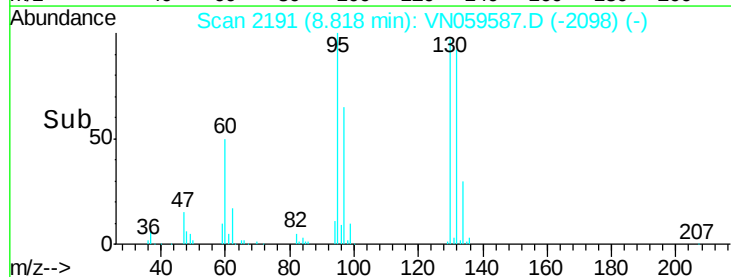
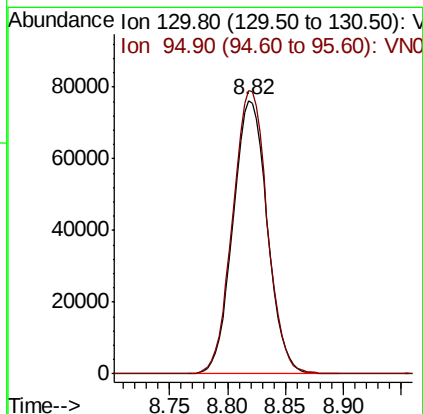
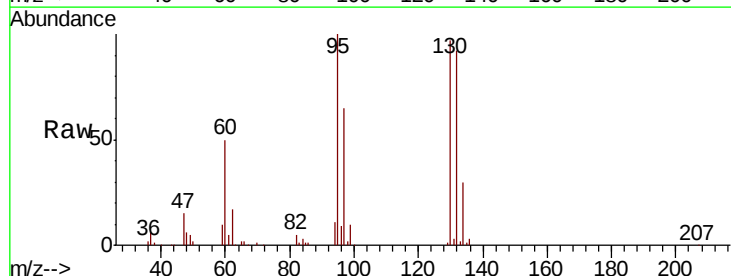
apatel
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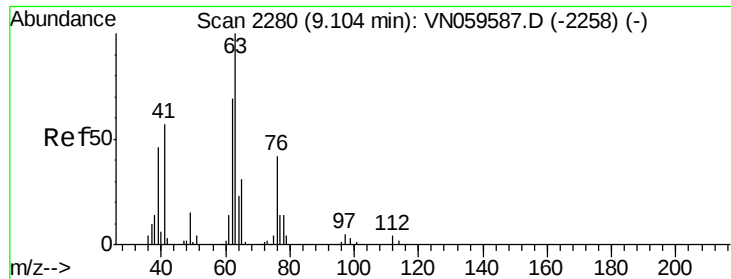


#44

Trichloroethene
 Concen: 50.233 ug/l
 RT: 8.82 min Scan# 2191
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	207.0





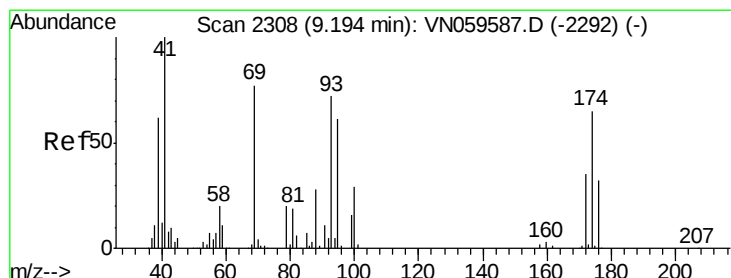
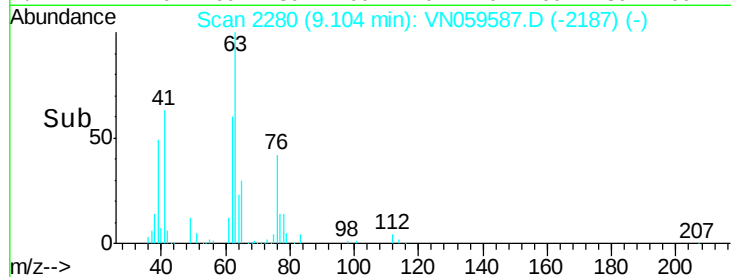
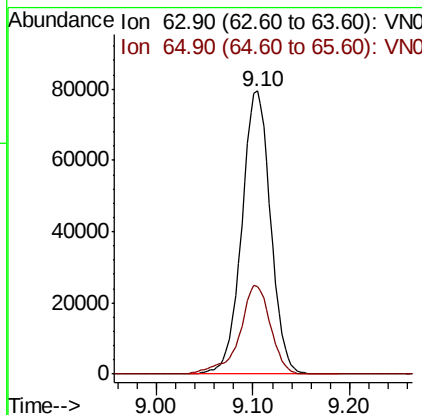
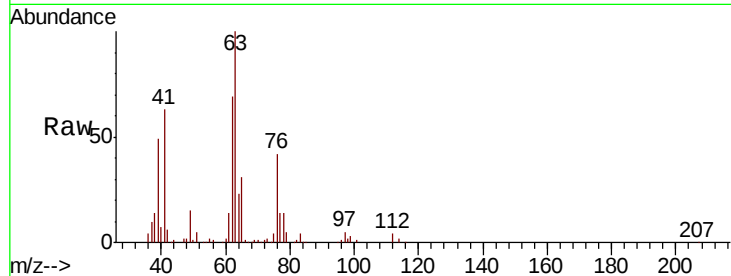
#45
 1,2-Dichloropropane
 Concen: 50.313 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 164417
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.9 37.3

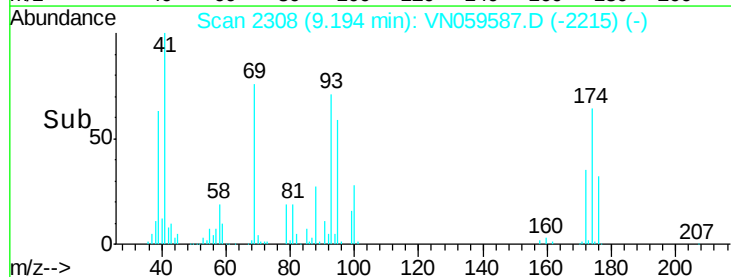
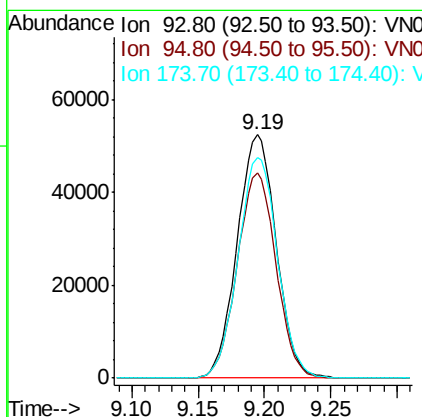
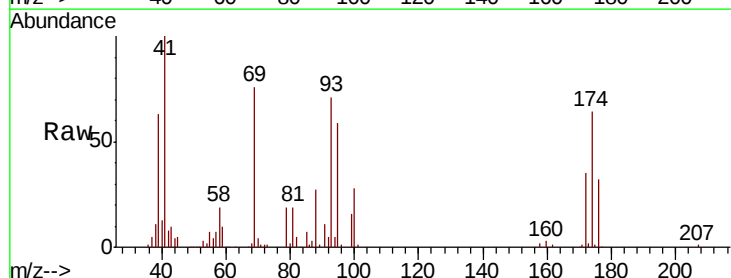
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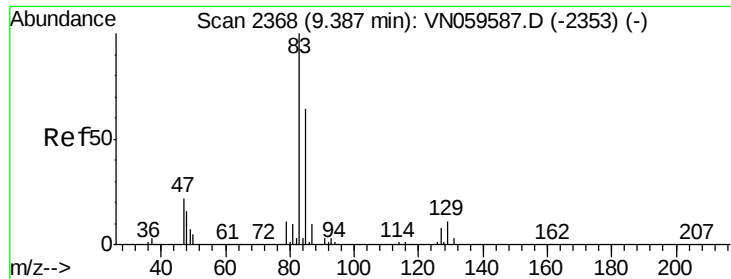
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#46
 Dibromomethane
 Concen: 49.599 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion: 93 Resp: 107410
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.0 100.6
 174 91.8 73.4 110.2





#47

Bromodichloromethane

Concen: 50.926 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

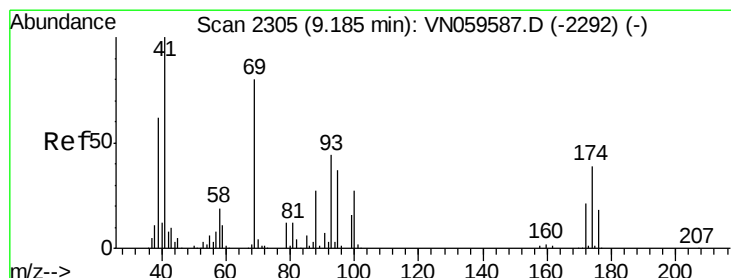
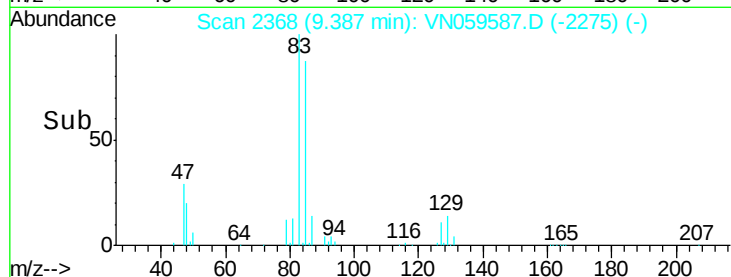
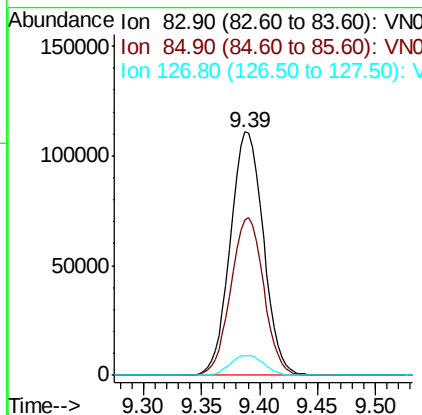
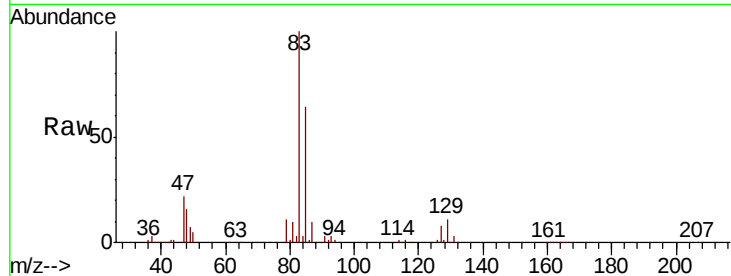
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	218773
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7
127	8.2	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.162 ug/l

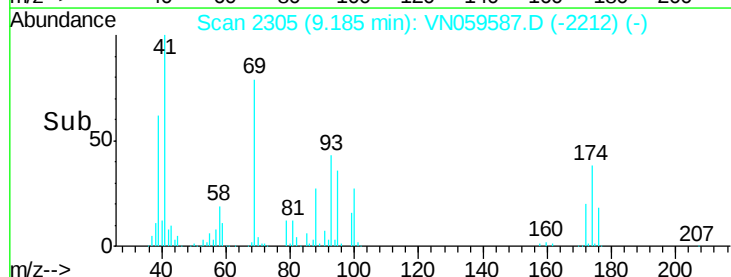
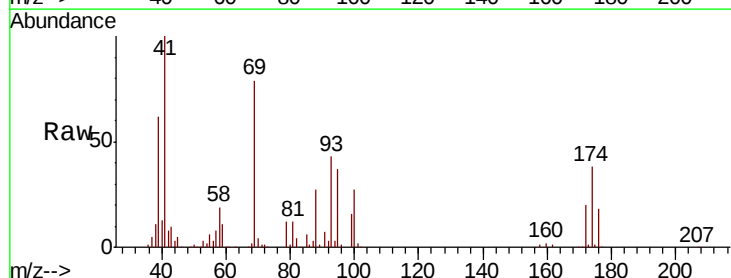
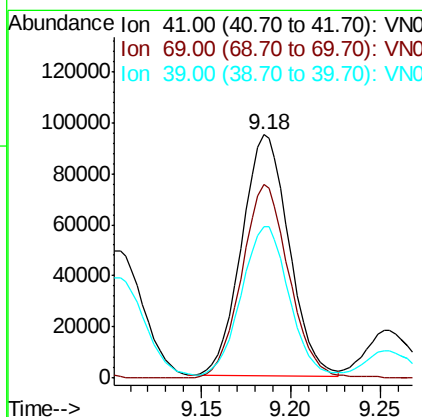
RT: 9.18 min Scan# 2305

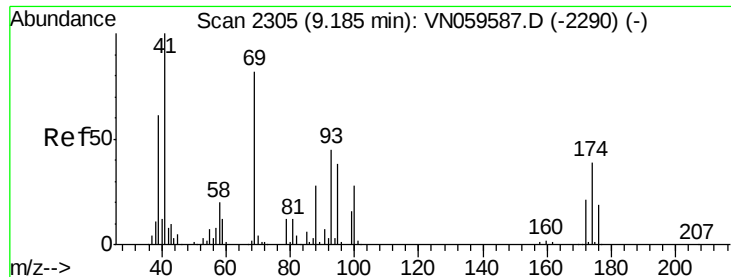
Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tgt Ion:	41	Resp:	174364
Ion	Ratio	Lower	Upper
41	100		
69	80.5	64.4	96.6
39	64.1	51.3	76.9





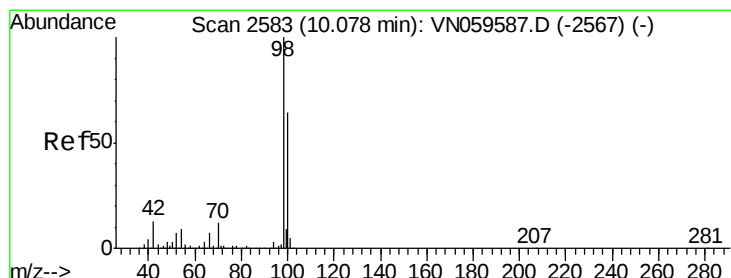
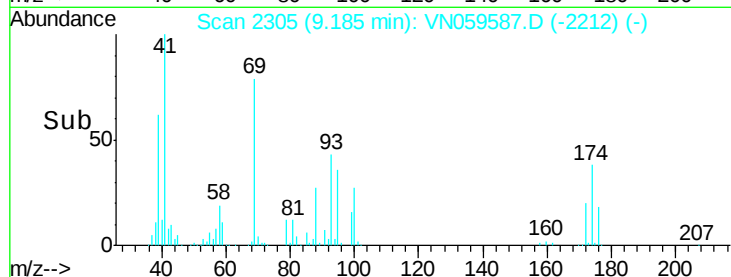
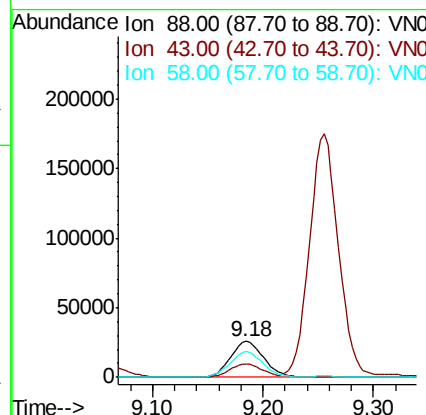
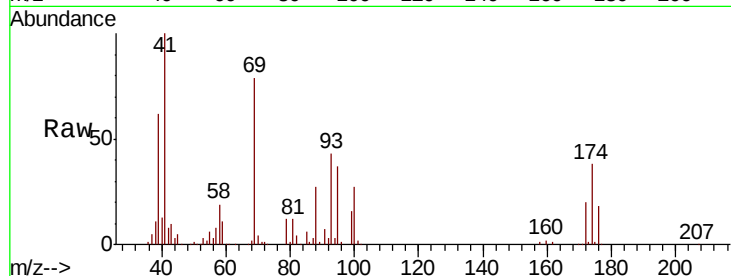
#49
1,4-Dioxane
Concen: 1232.396 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	29.7	44.5
58	70.8	56.6	85.0

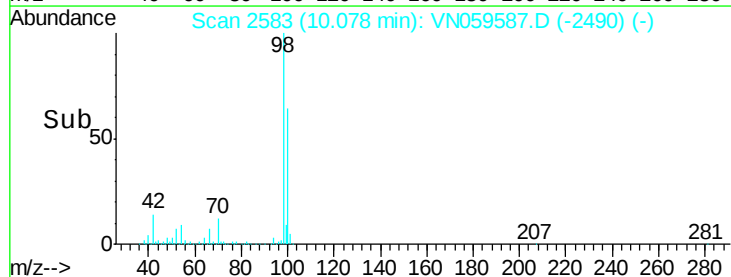
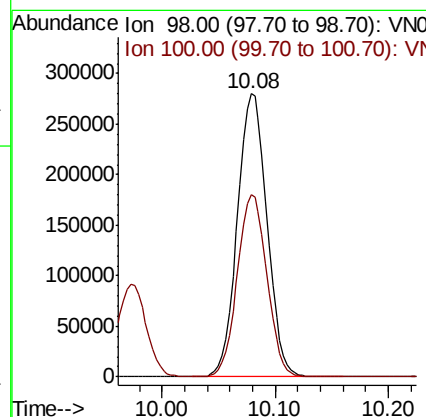
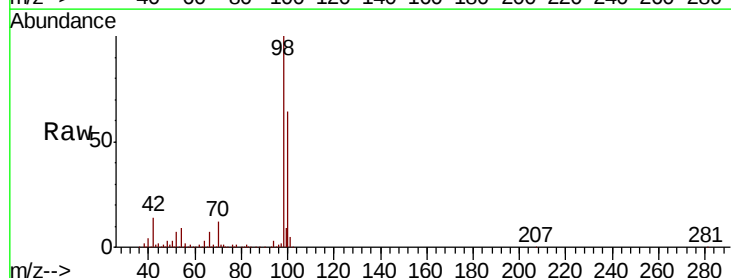
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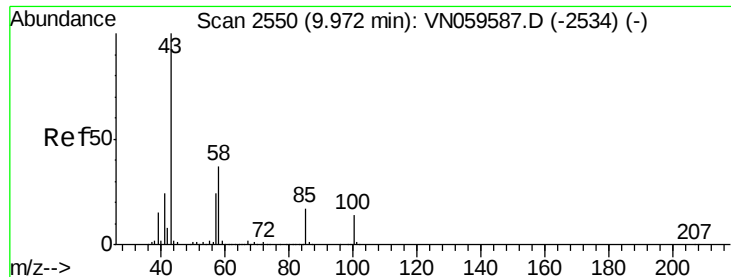
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#50
Toluene-d8
Concen: 49.519 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 277.177 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1203944

Ion Ratio Lower Upper

43 100

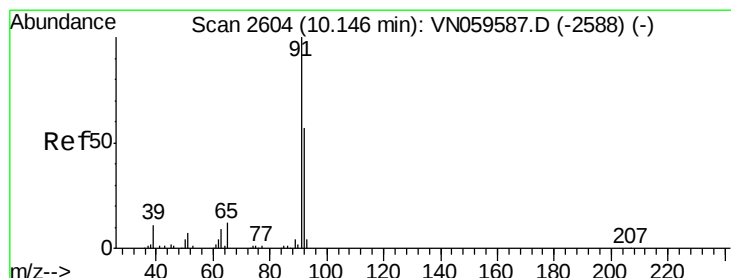
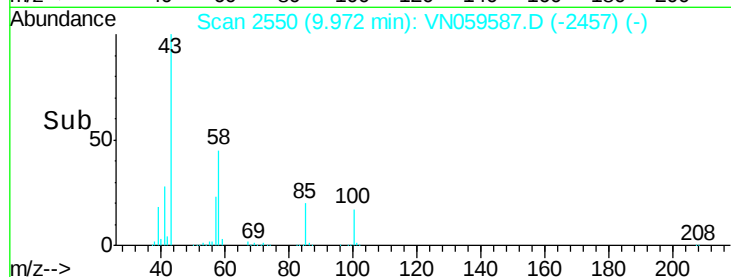
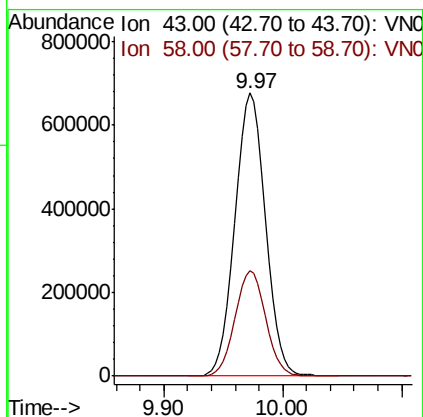
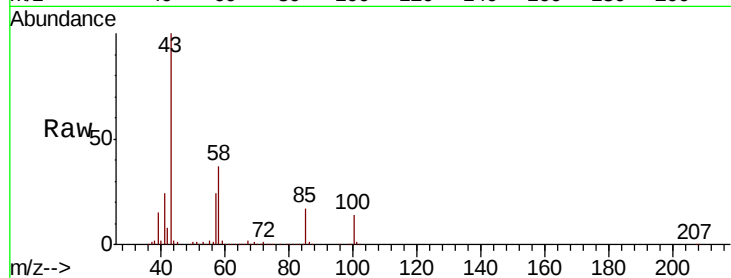
58 37.3 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 50.777 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059587.D

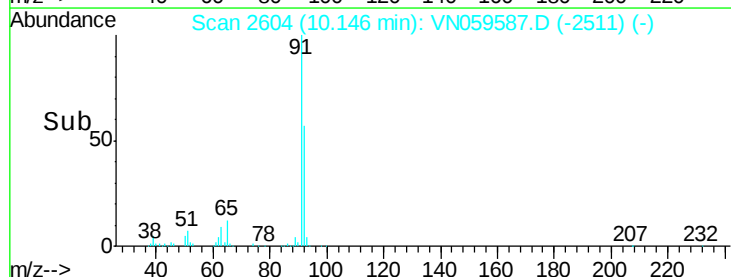
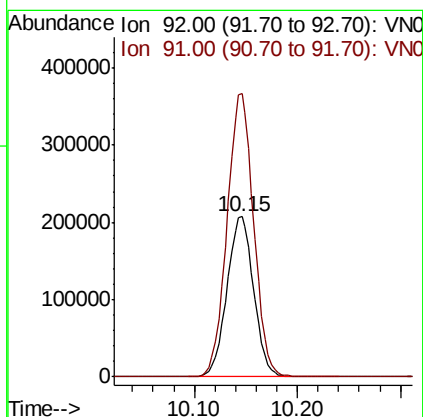
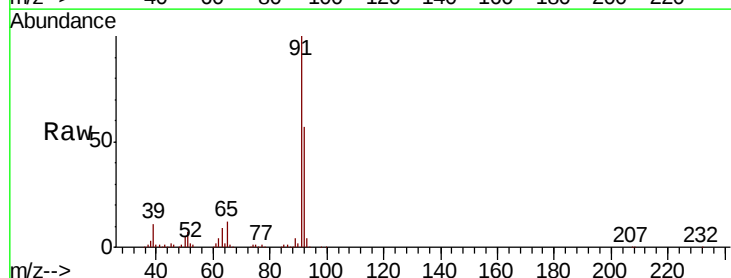
Acq: 13 Dec 2019 16:44

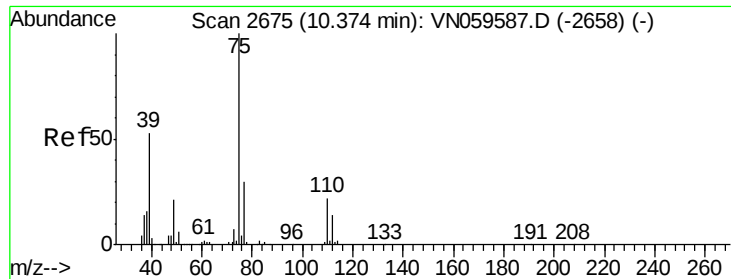
Tgt Ion: 92 Resp: 374024

Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6





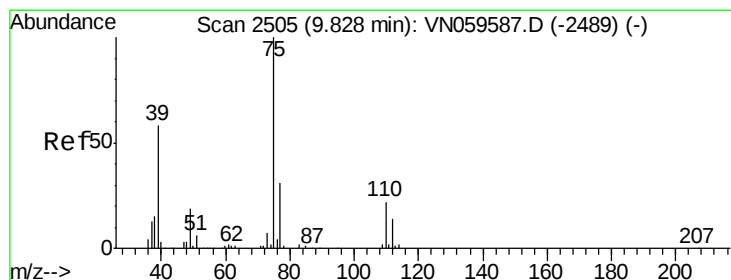
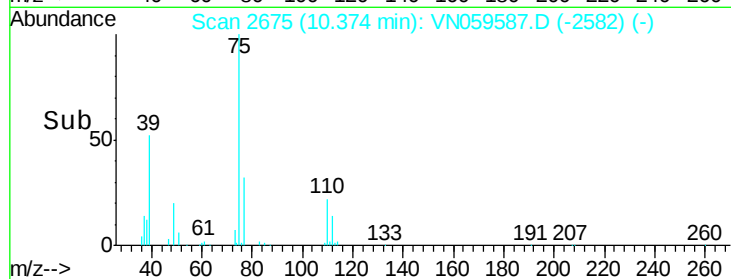
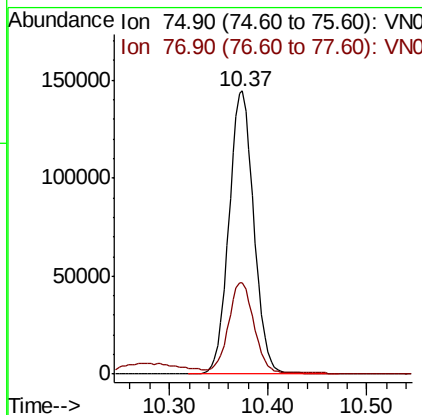
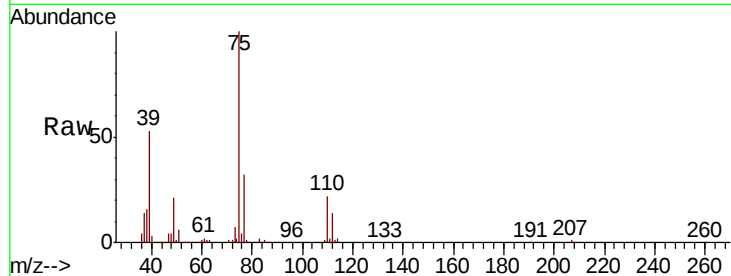
#53
 t-1,3-Dichloropropene
 Concen: 50.926 ug/l
 RT: 10.37 min Scan# 2675
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.4	38.2

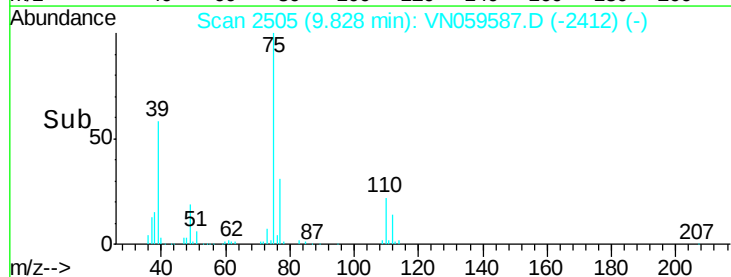
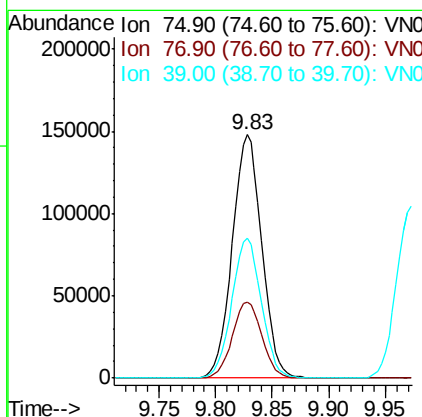
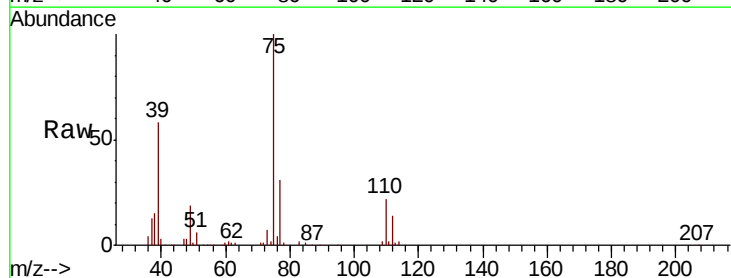
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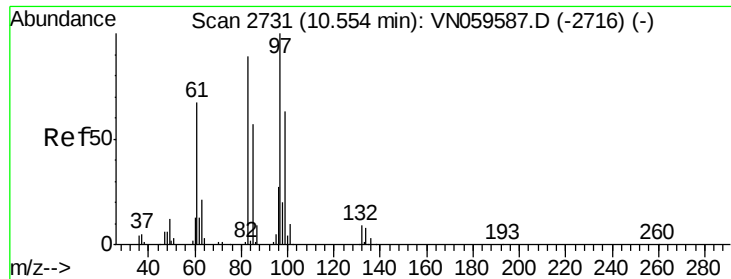
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#54
 cis-1,3-Dichloropropene
 Concen: 52.297 ug/l
 RT: 9.83 min Scan# 2505
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.1	37.7
39	57.6	46.1	69.1





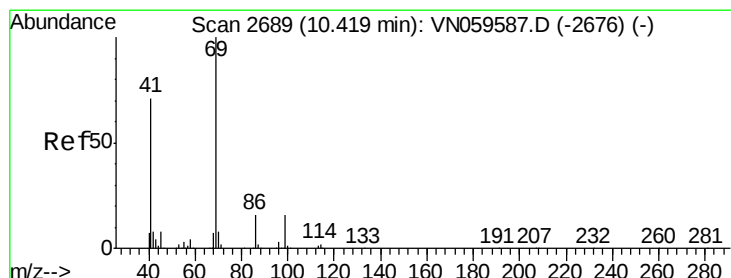
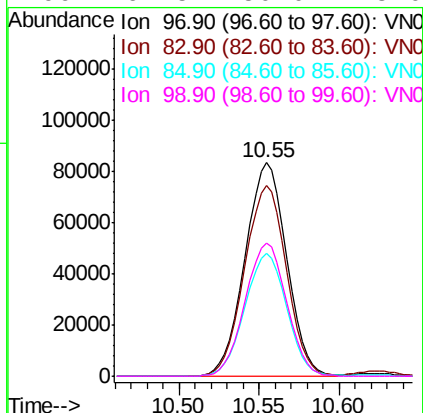
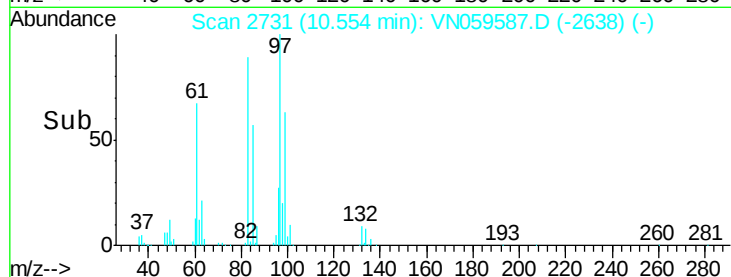
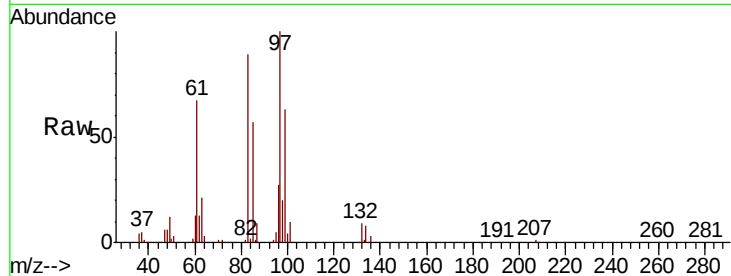
#55
 1,1,2-Trichloroethane
 Concen: 50.011 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.3	106.9
85	57.3	45.8	68.8
99	62.5	50.0	75.0

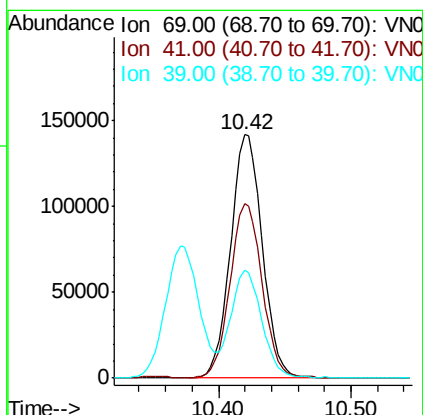
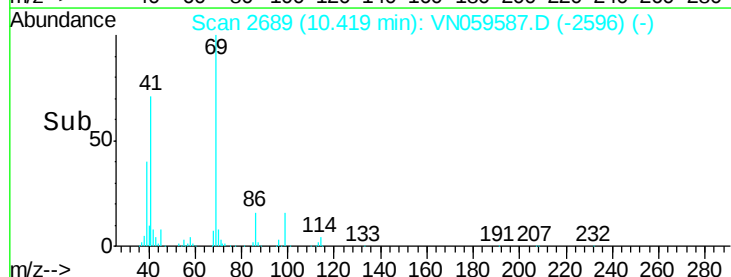
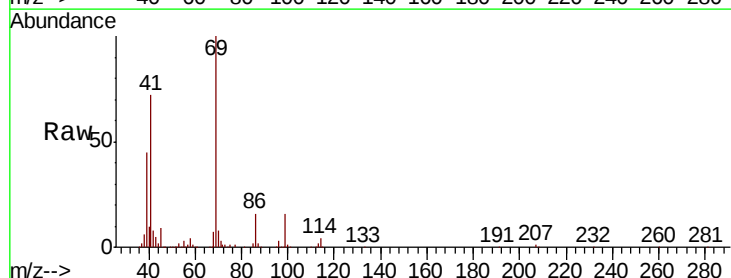
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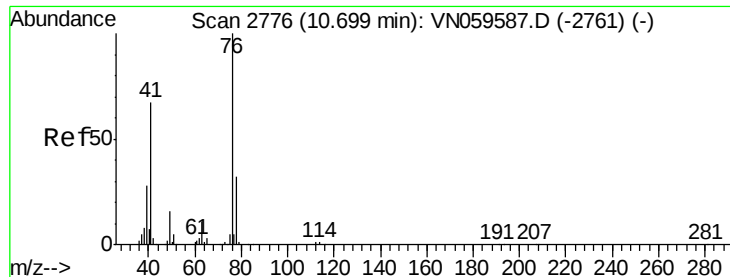
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#56
 Ethyl methacrylate
 Concen: 53.563 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.1	85.7
39	43.4	34.7	52.1





#57

1,3-Dichloropropane

Concen: 51.303 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 261182

Ion Ratio Lower Upper

76 100

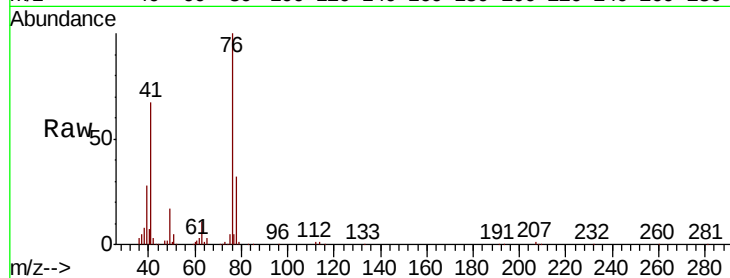
78 32.3 25.8 38.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

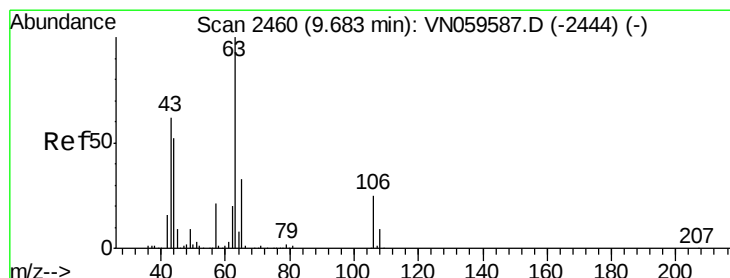
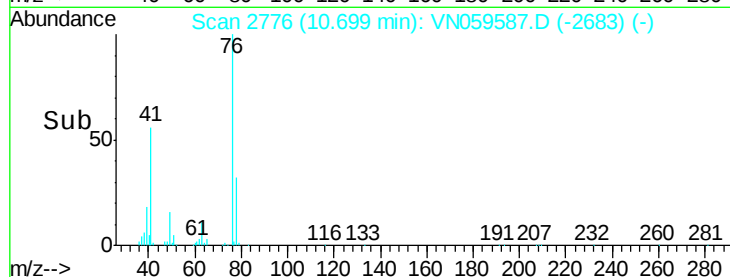
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 319.506 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059587.D

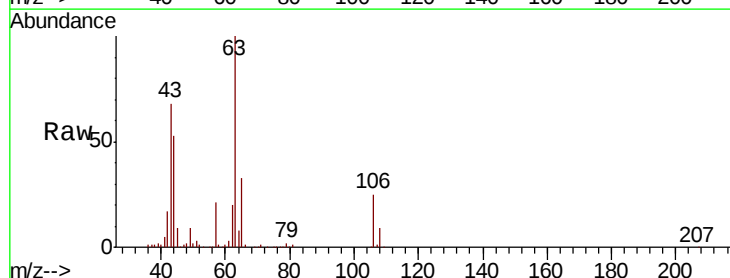
Acq: 13 Dec 2019 16:44

Tgt Ion: 63 Resp: 445573

Ion Ratio Lower Upper

63 100

106 25.2 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

250000

200000

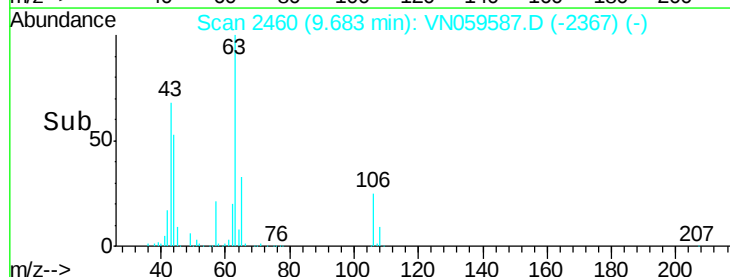
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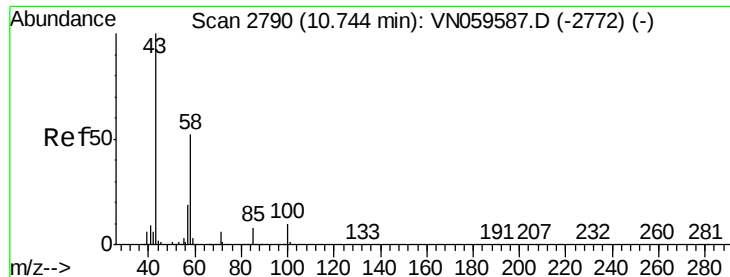
100000

50000

0

Time-->





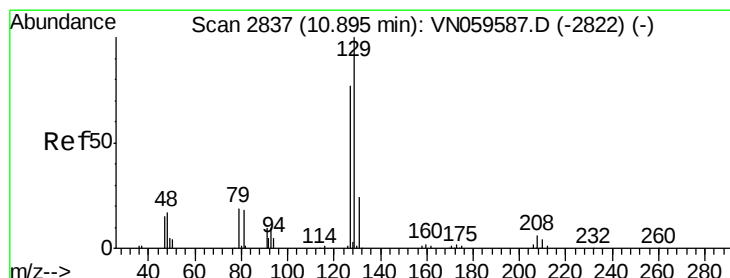
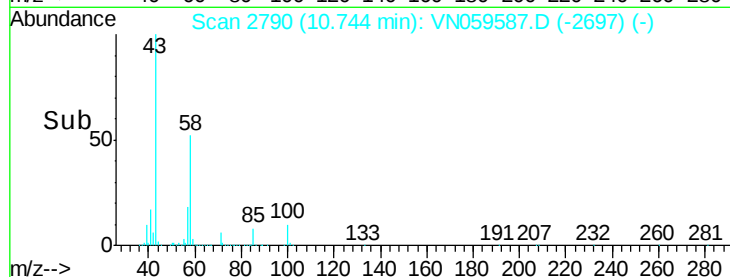
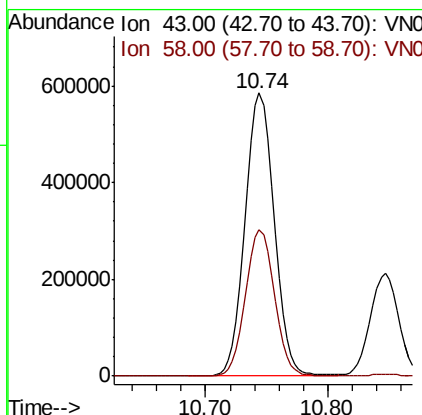
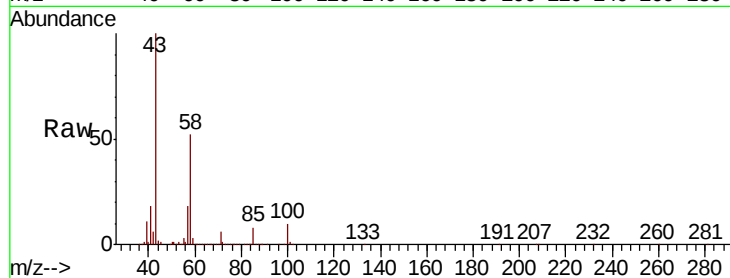
#59
2-Hexanone
Concen: 292.115 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 961577
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3

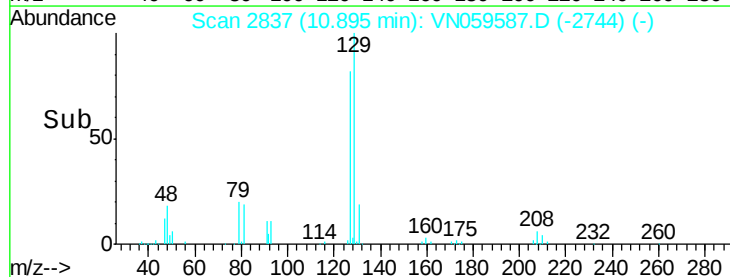
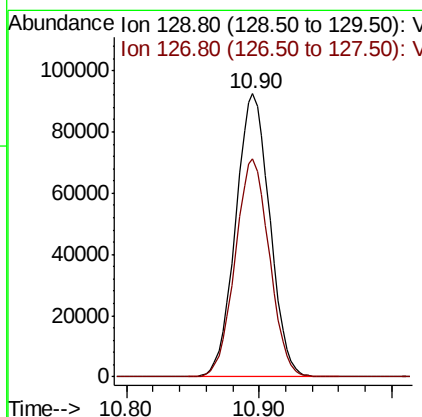
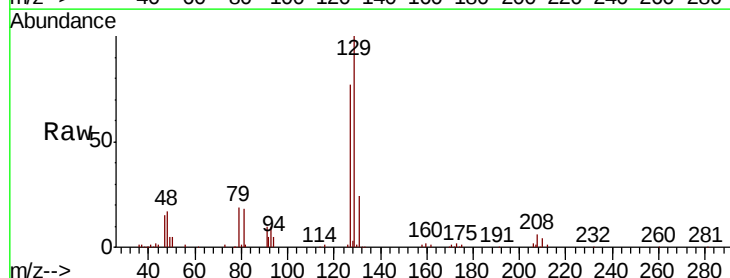
Manual Integrations
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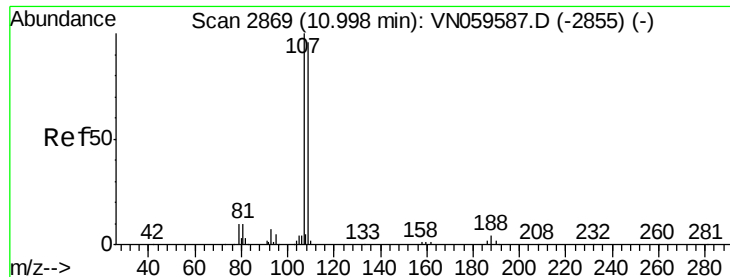
apatel
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#60
Dibromochloromethane
Concen: 51.093 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion: 129 Resp: 165048
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 50.405 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 107 Resp: 156132

Ion Ratio Lower Upper

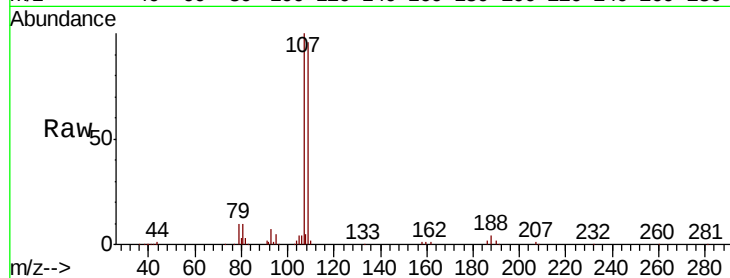
107 100

109 95.8 76.6 115.0

Manual Integrations
APPROVED

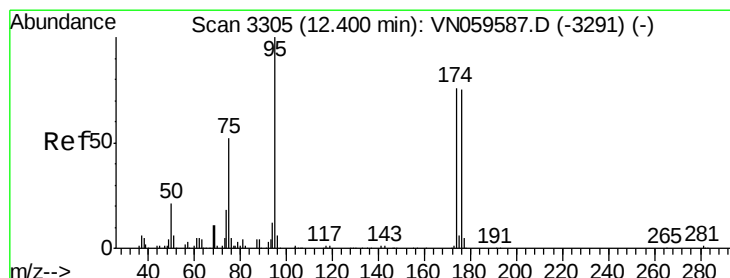
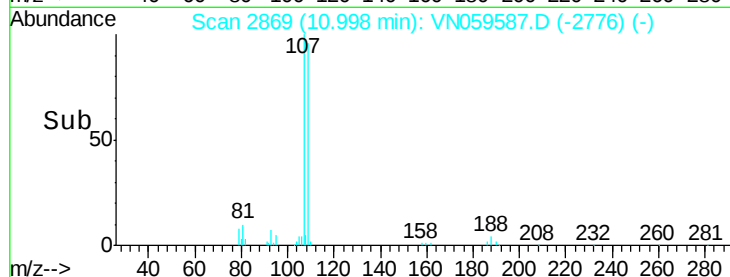
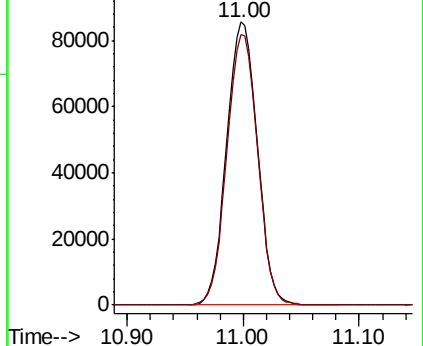
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.545 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

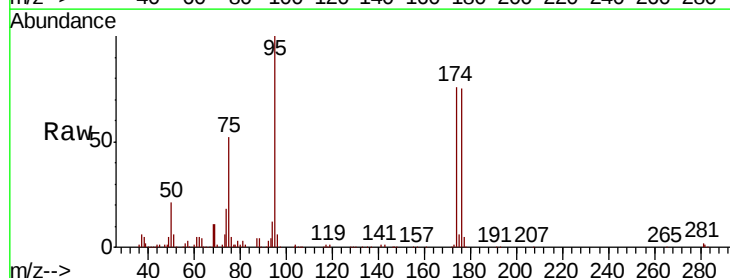
Tgt Ion: 95 Resp: 188758

Ion Ratio Lower Upper

95 100

174 75.7 0.0 151.4

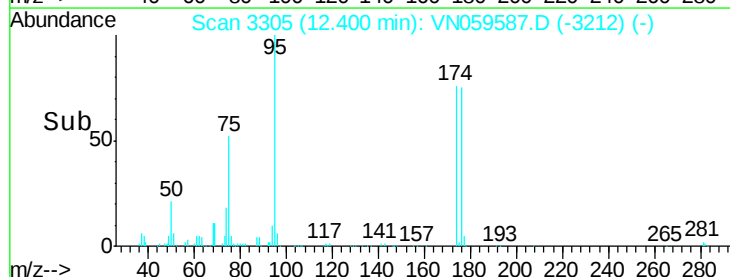
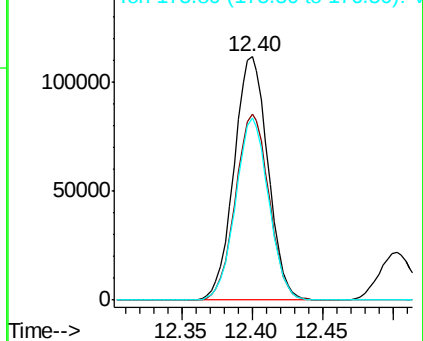
176 73.0 0.0 146.0

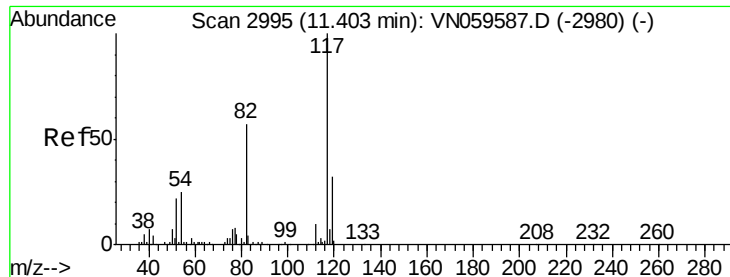


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





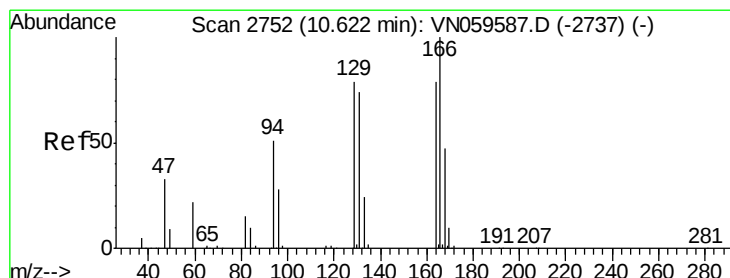
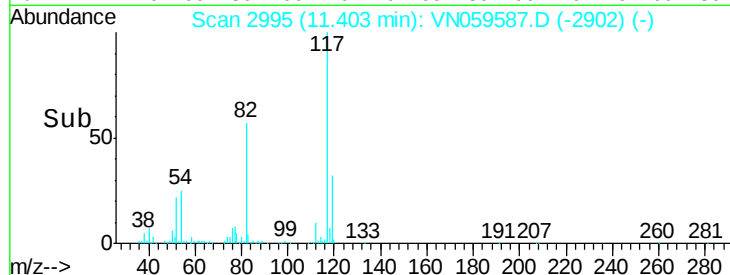
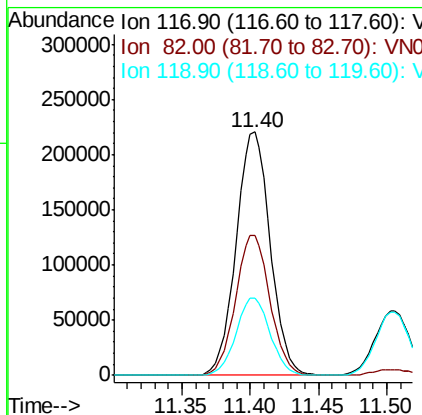
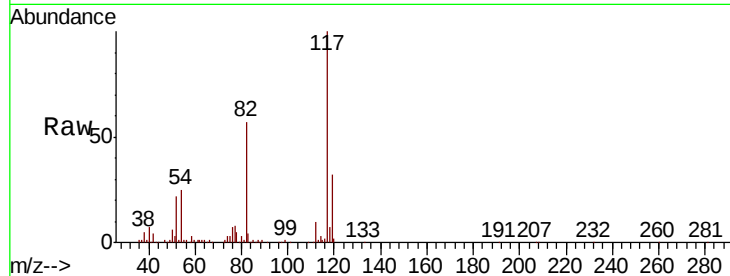
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	381495		
82	57.4	45.9	68.9	
119	31.9	25.5	38.3	

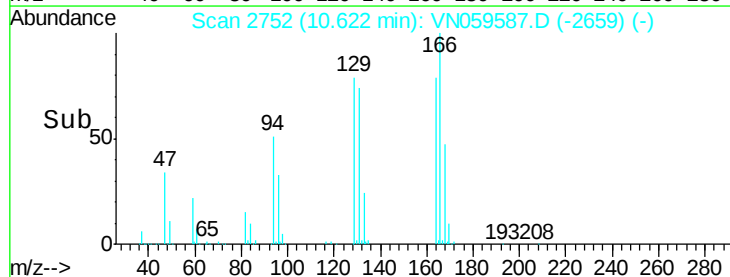
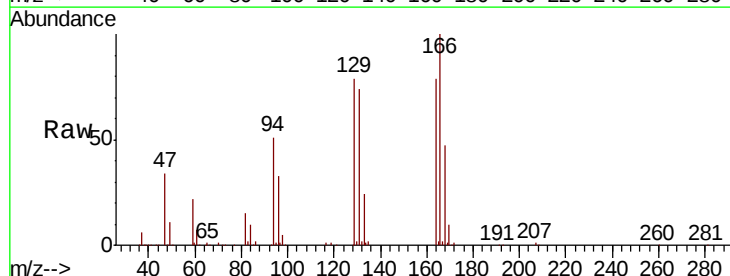
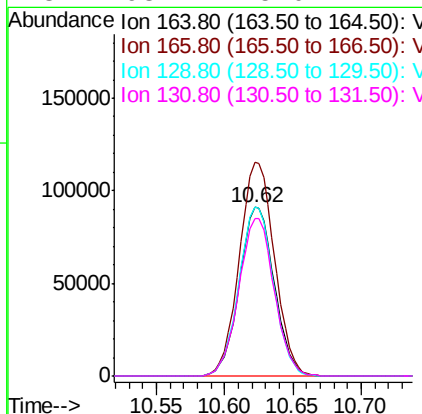
Manual Integrations
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#64
Tetrachloroethene
Concen: 54.670 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	161833		
166	126.7	101.4	152.0	
129	100.3	80.2	120.4	
131	93.7	75.0	112.4	





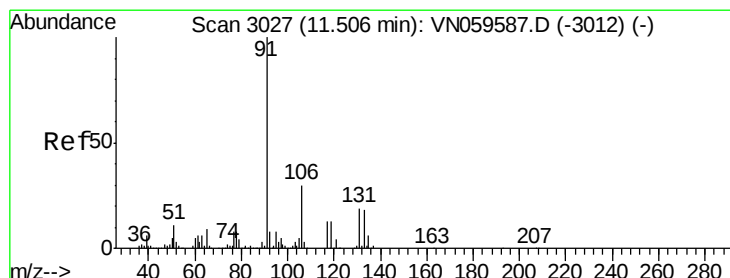
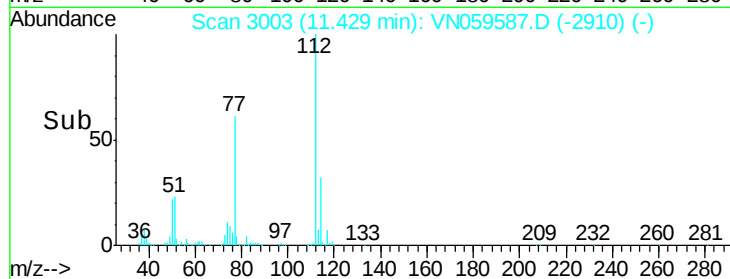
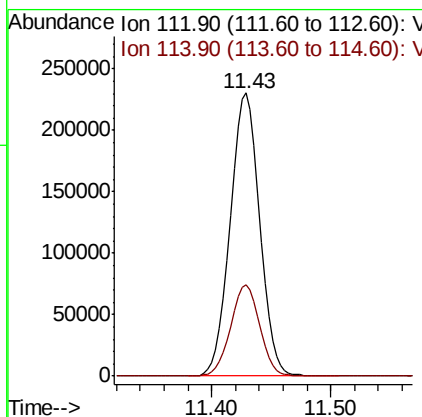
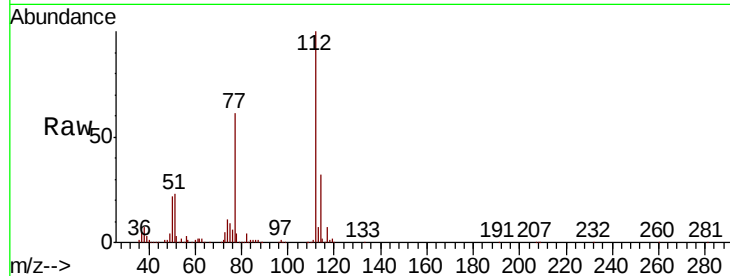
#65
Chlorobenzene
Concen: 48.581 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 395739
Ion Ratio Lower Upper
112 100
114 32.3 25.8 38.8

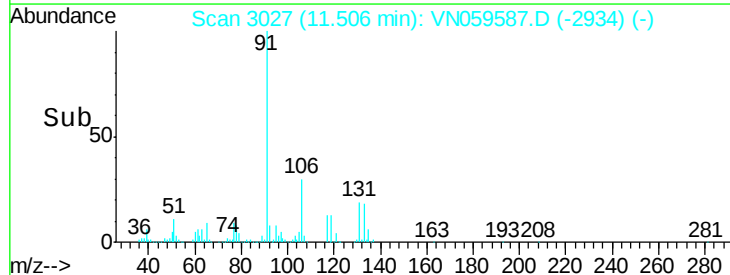
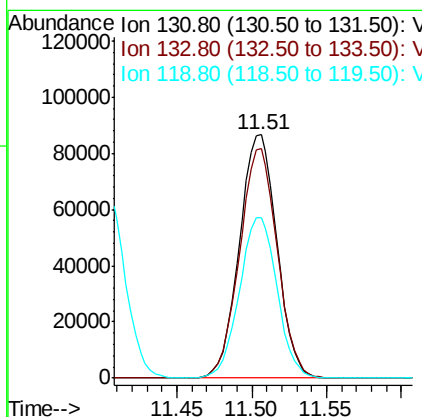
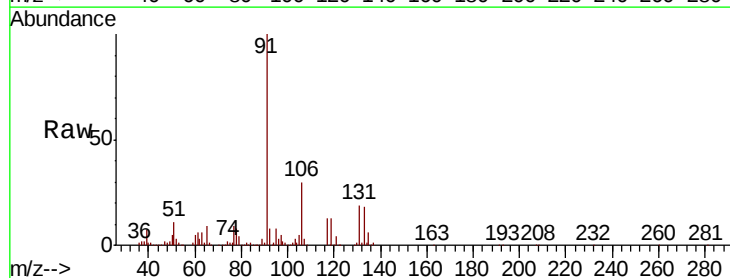
Manual Integrations
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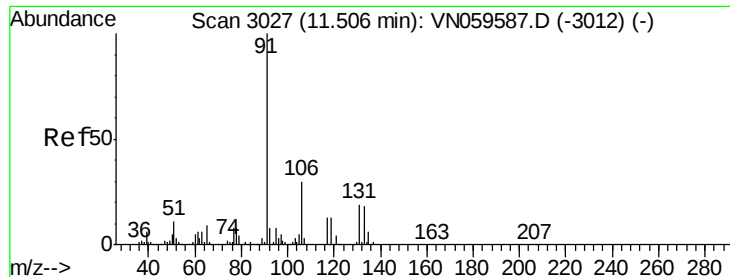
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.724 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion:131 Resp: 151321
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.2
119 66.2 33.1 99.3





#67

Ethyl Benzene

Concen: 50.087 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 733118

Ion Ratio Lower Upper

91 100

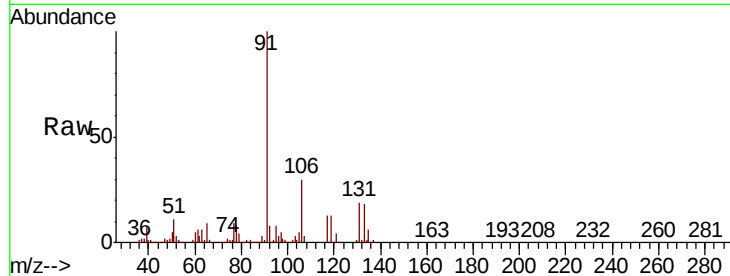
106 30.1 24.1 36.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059587.D (-3012) (-)

600000

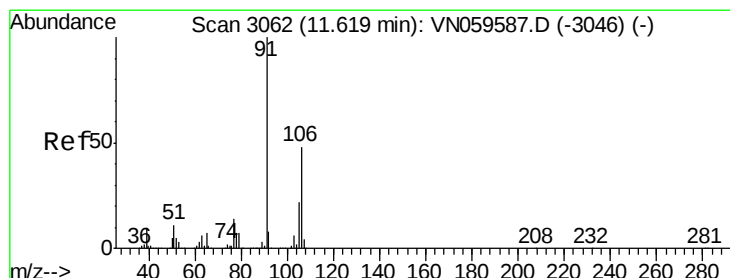
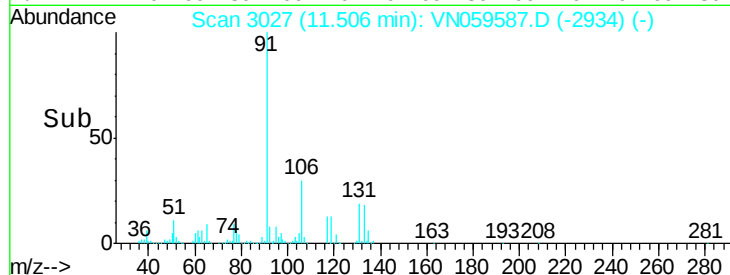
400000

200000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 99.592 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059587.D

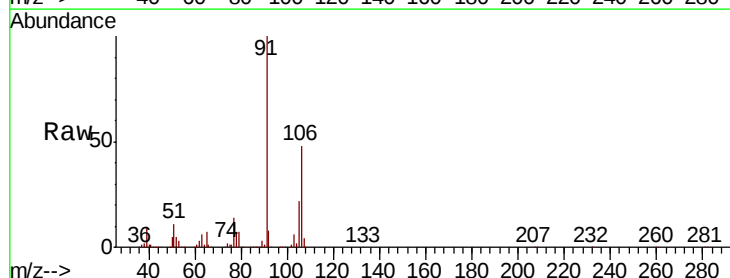
Acq: 13 Dec 2019 16:44

Tgt Ion: 106 Resp: 540002

Ion Ratio Lower Upper

106 100

91 209.9 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-3046) (-)

600000

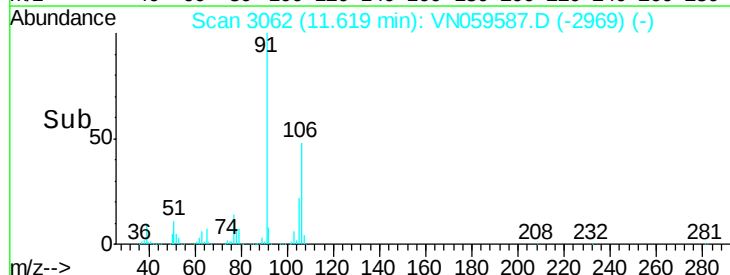
400000

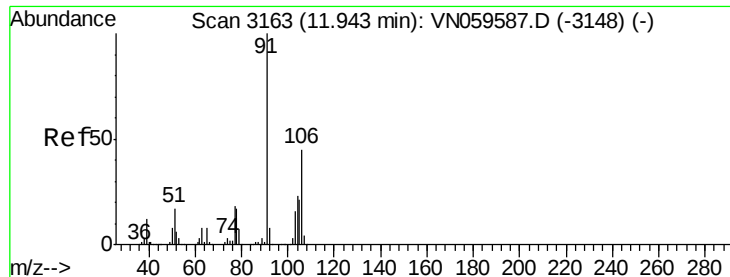
200000

0

11.50 11.60 11.70

Time-->





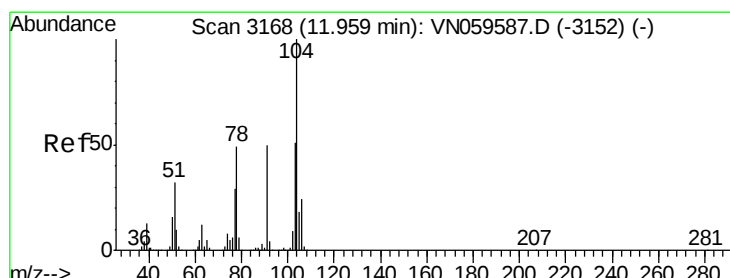
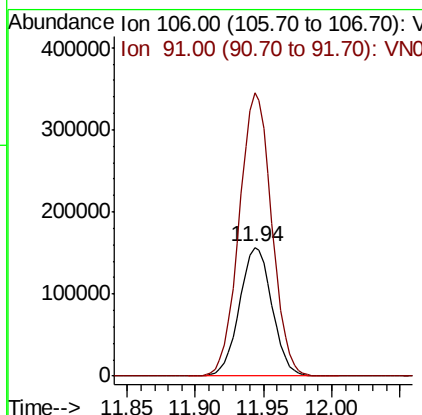
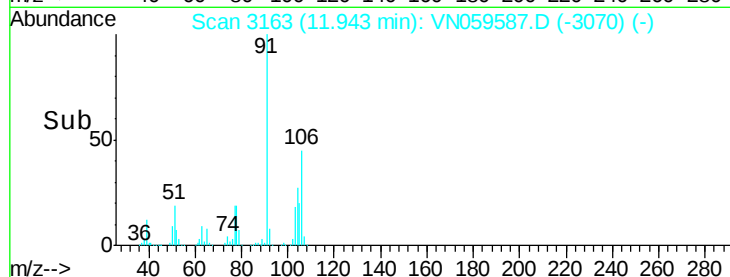
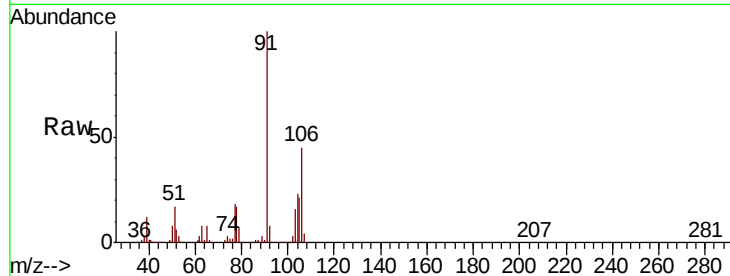
#69
o-Xylene
Concen: 51.148 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	220.6	110.3	330.9

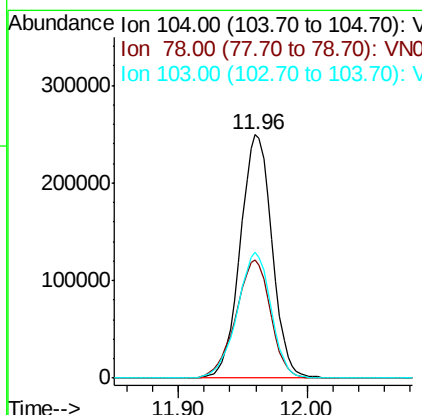
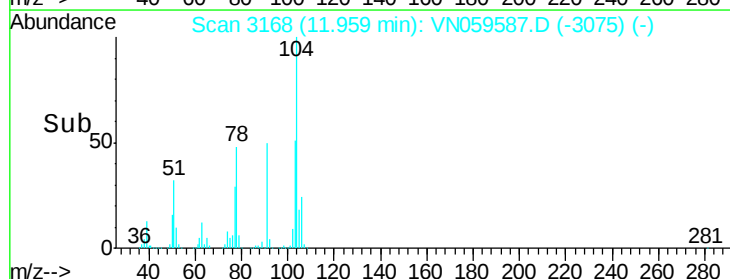
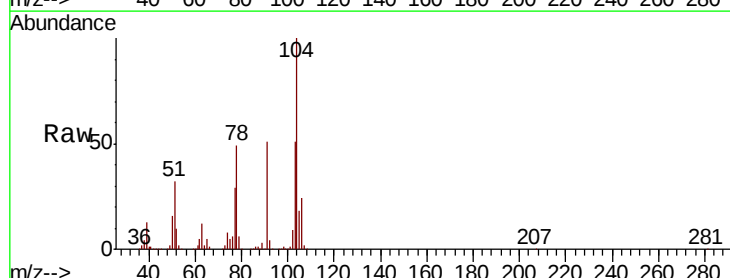
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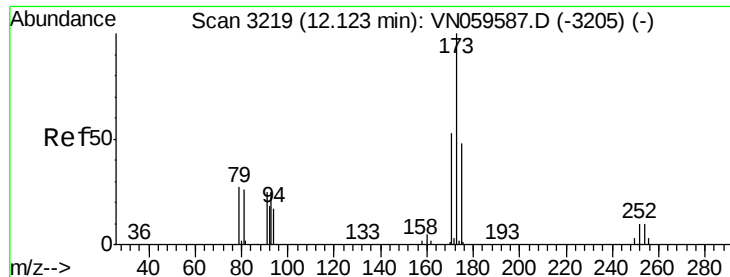
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#70
Styrene
Concen: 51.100 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.0	42.4	63.6
103	54.9	43.9	65.9





#71

Bromoform

Concen: 50.884 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

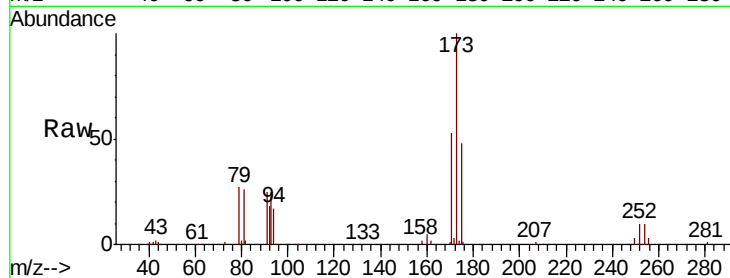
ClientSampleId :

VSTDICCC050

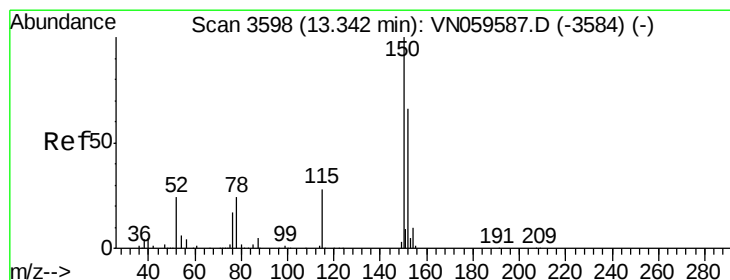
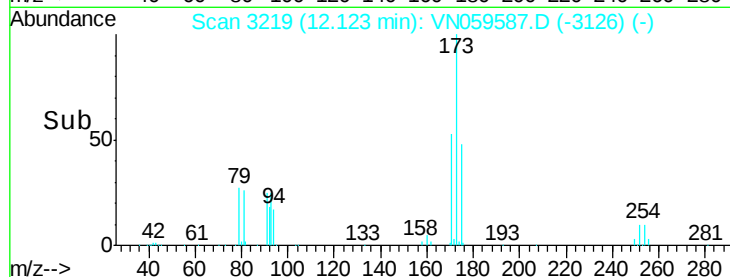
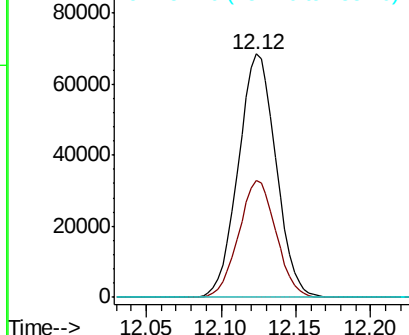
Tot Ion:	173	Resp:	120044
Ion Ratio	Lower	Upper	
173	100		
175	47.6	23.8	71.4
254	0.0	0.0	0.0

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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

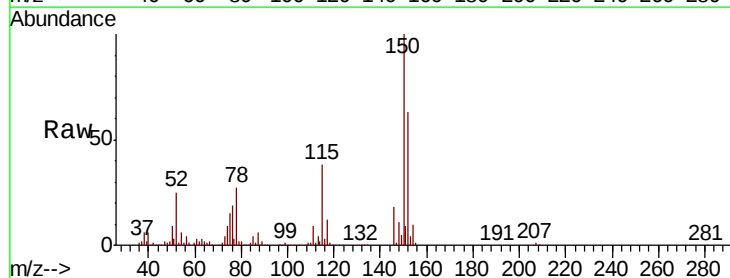
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

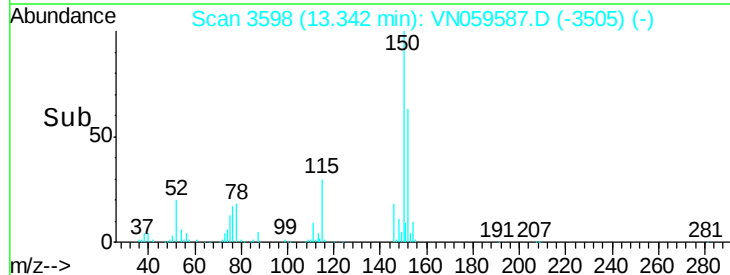
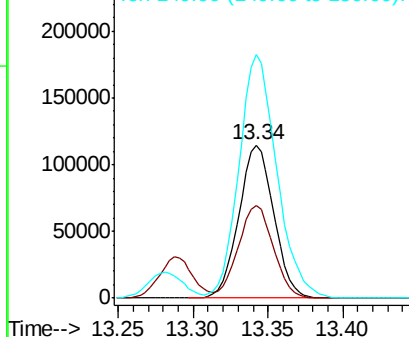
Lab File: VN059587.D

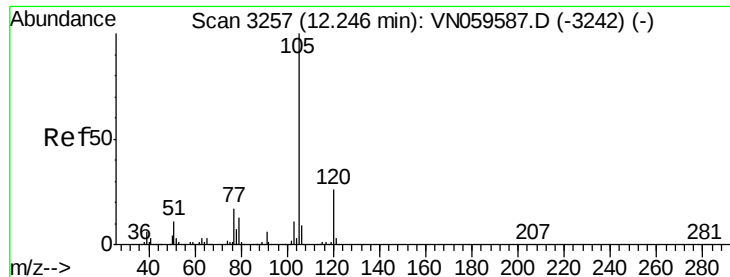
Acq: 13 Dec 2019 16:44

Tgt Ion:	152	Resp:	186031
Ion Ratio	Lower	Upper	
152	100		
115	60.6	30.3	90.9
150	172.6	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: 48.370 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 703416

Ion Ratio Lower Upper

105 100

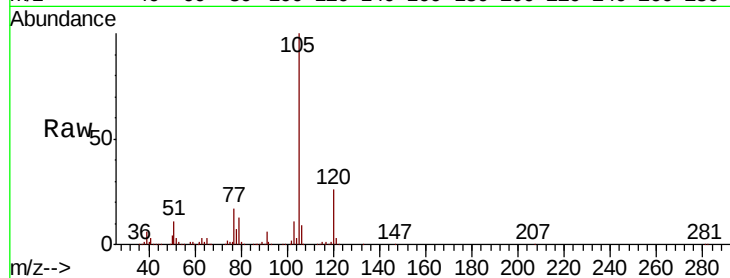
120 26.3 13.2 39.5

Manual Integrations

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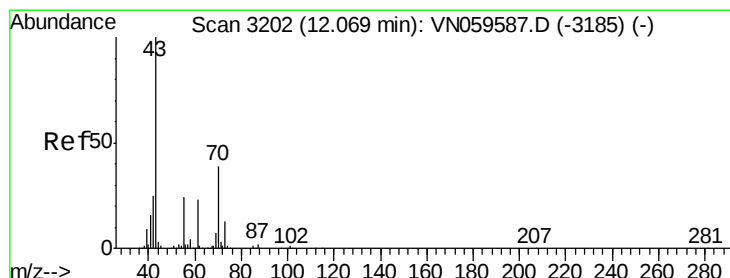
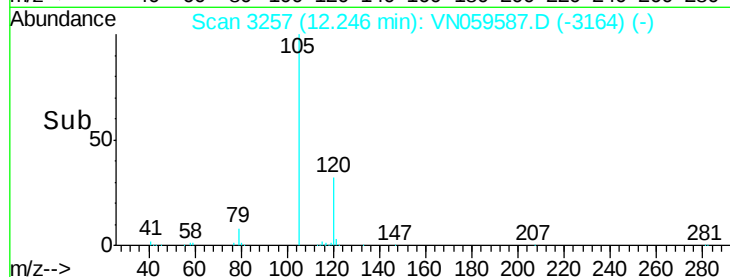
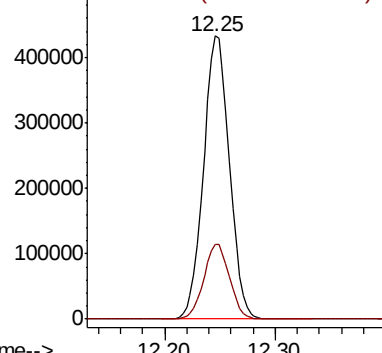
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.856 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tgt Ion: 43 Resp: 336763

Ion Ratio Lower Upper

43 100

70 39.1 31.3 46.9

55 24.7 19.8 29.6

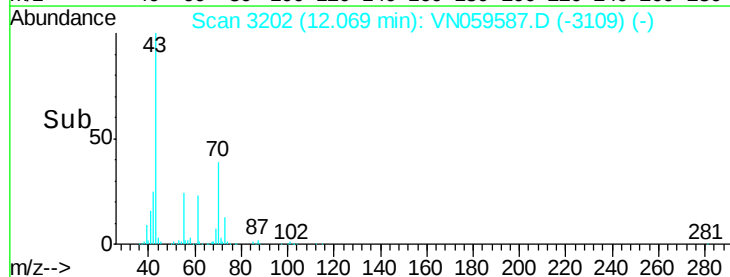
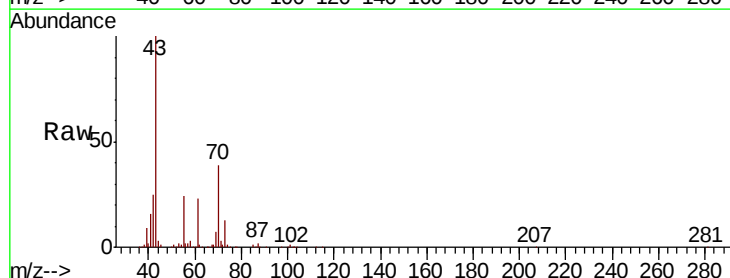
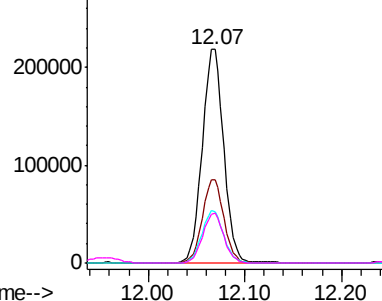
61 22.9 18.3 27.5

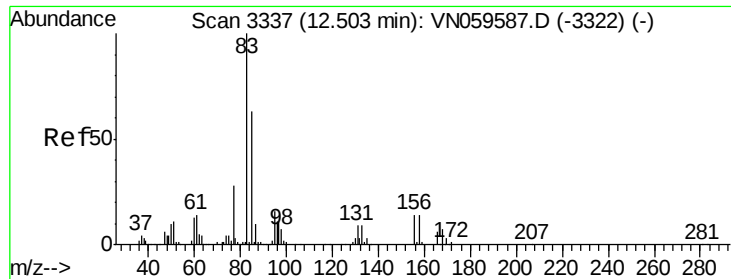
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#75

1,1,2,2-Tetrachloroethane

Concen: 45.911 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

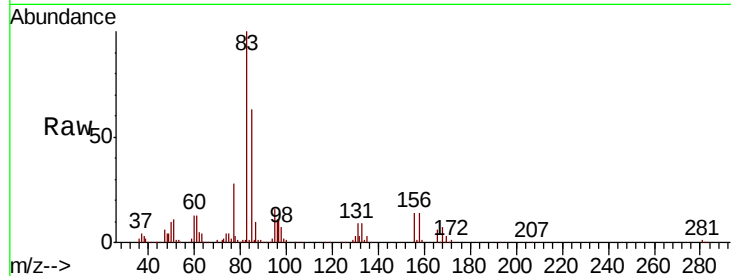
ClientSampleId :

VSTDICCC050

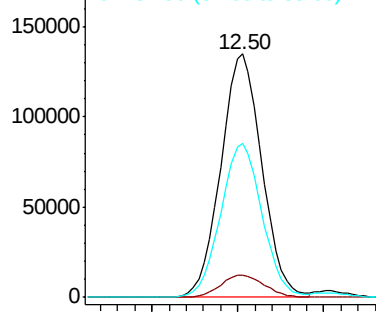
Tot Ion:	83	Resp:	222814
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	63.7	31.9	95.5

Manual Integrations
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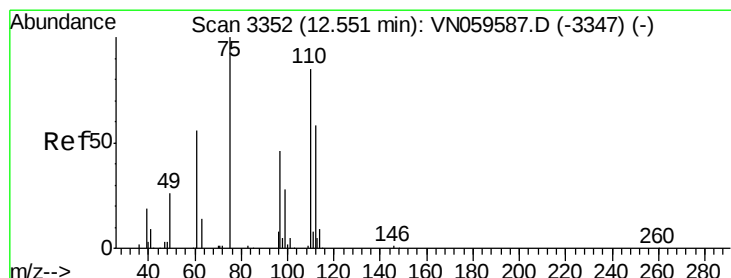
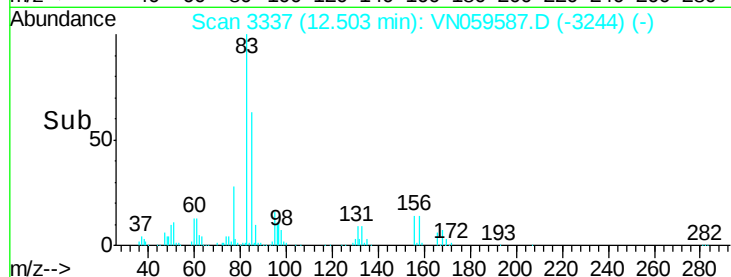
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Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-3322) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 44.553 ug/l m

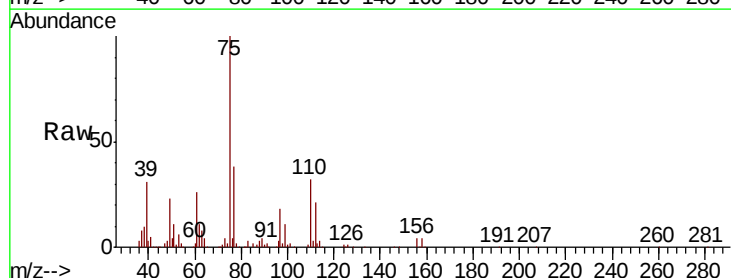
RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

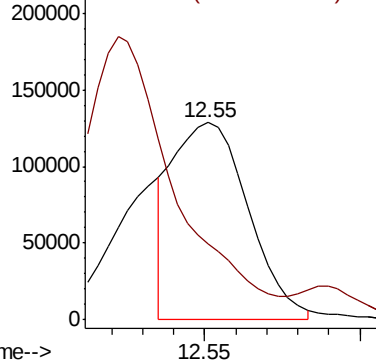
Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

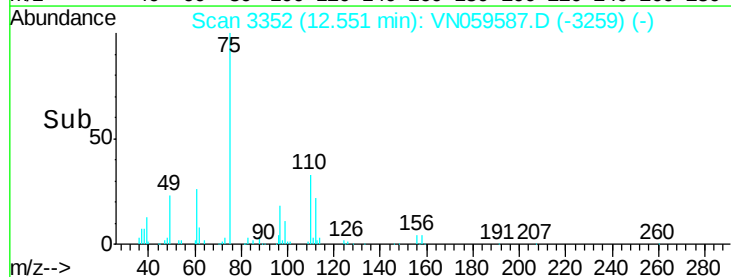
Tgt Ion:	75	Resp:	218081
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

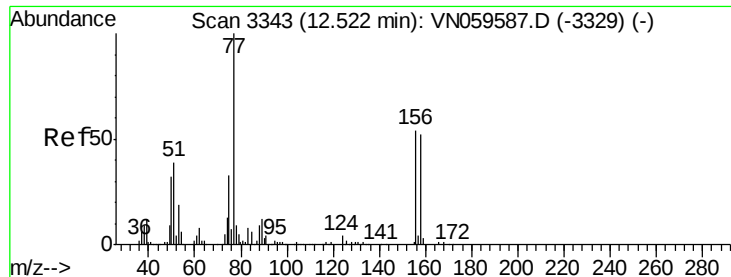


Abundance Ion 74.90 (74.60 to 75.60): VN059587.D (-3347) (-)



Time-->





#77

Bromobenzene

Concen: 46.749 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

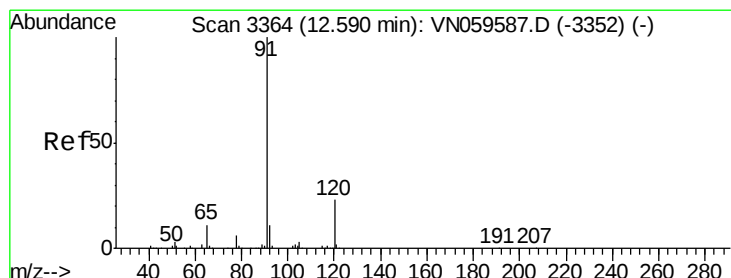
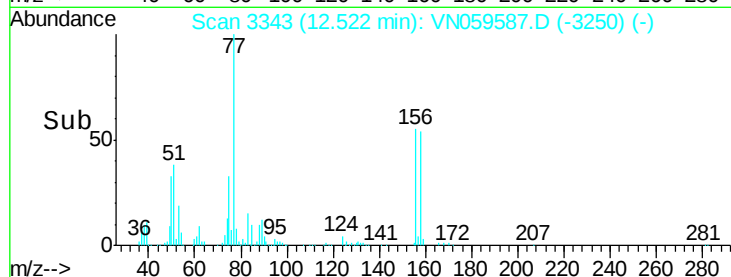
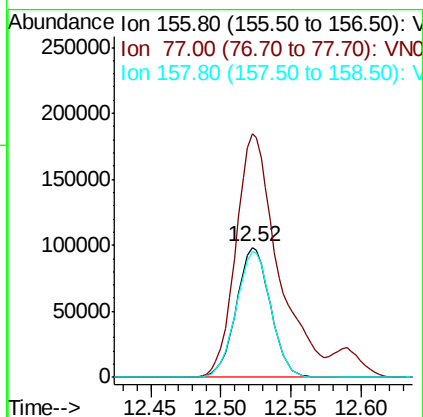
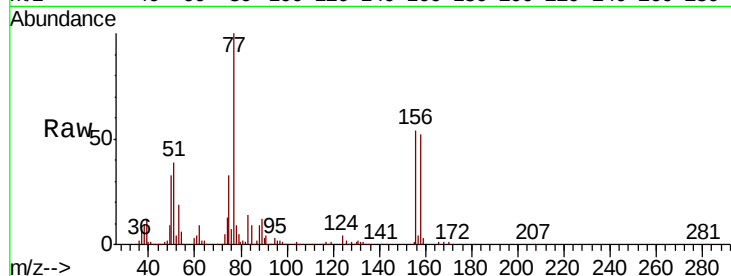
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	166751
Ion Ratio	Lower	Upper	
156	100		
77	231.6	115.8	347.4
158	98.4	49.2	147.6

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#78

n-propylbenzene

Concen: 47.437 ug/l

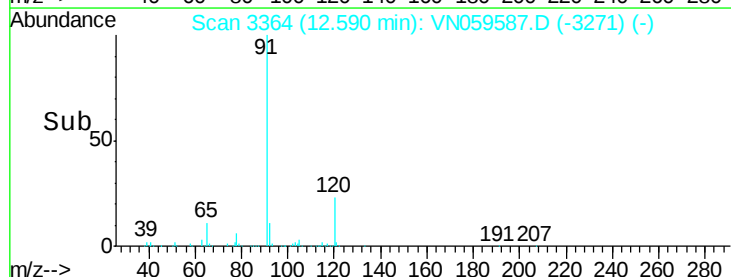
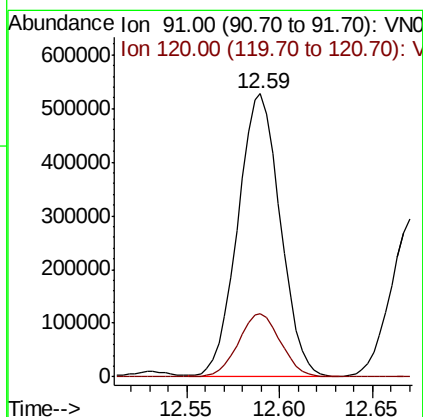
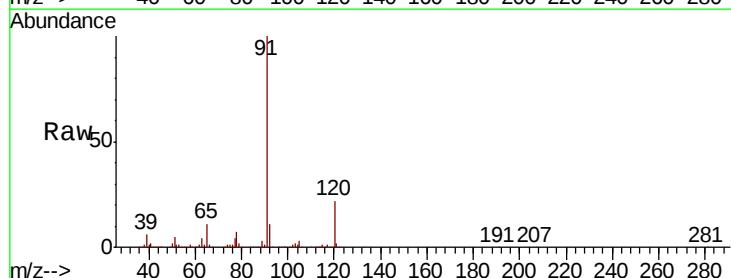
RT: 12.59 min Scan# 3364

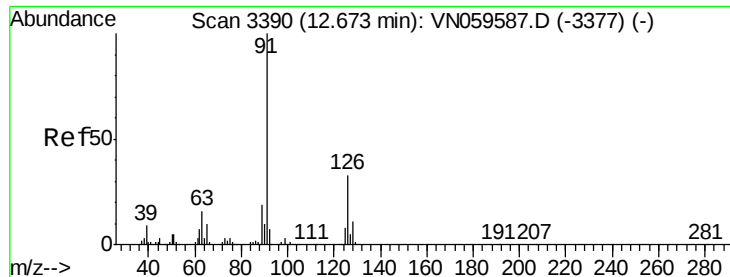
Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tgt Ion:	91	Resp:	838585
Ion Ratio	Lower	Upper	
91	100		
120	22.2	11.1	33.3





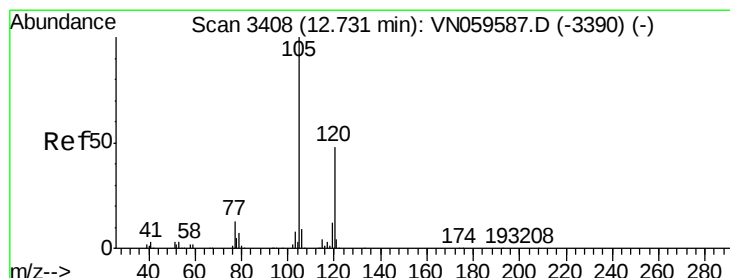
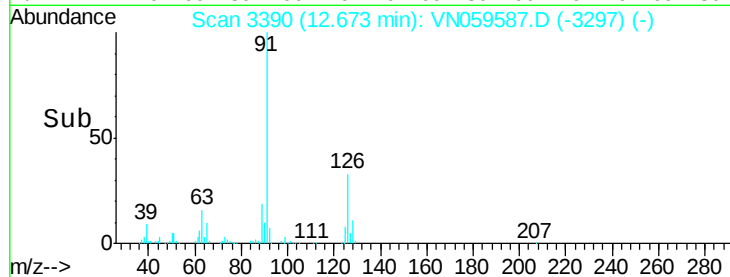
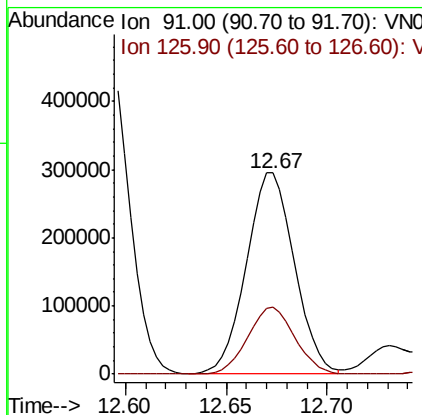
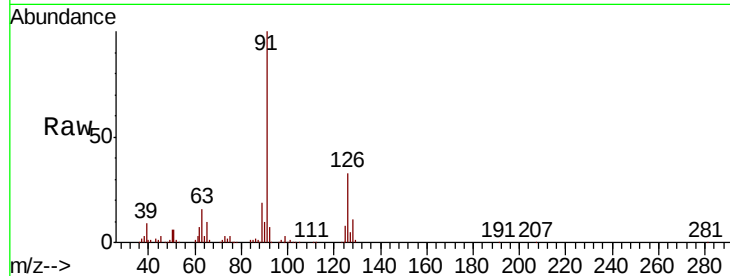
#79
2-Chlorotoluene
Concen: 46.690 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 492671
Ion Ratio Lower Upper
91 100
126 32.6 16.3 48.9

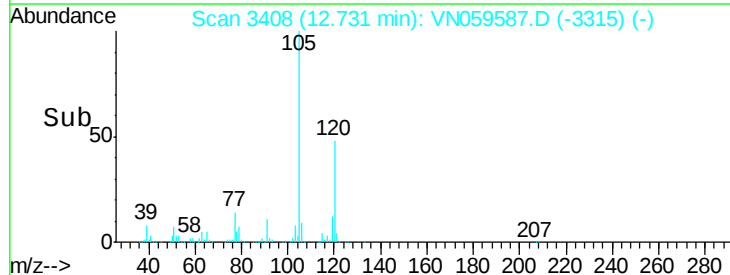
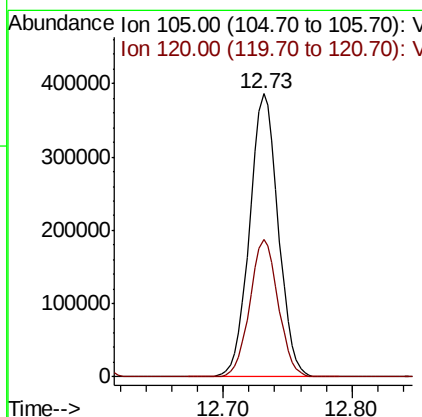
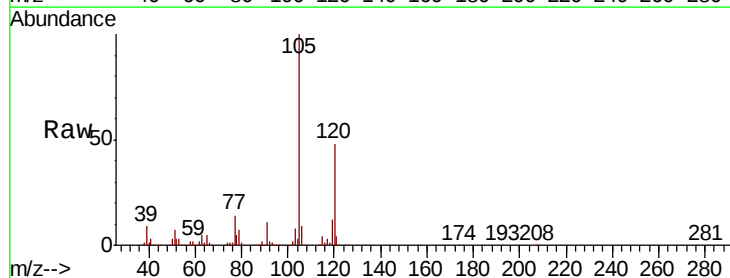
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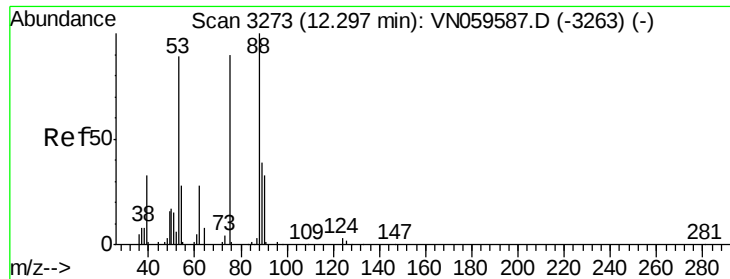
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#80
1,3,5-Trimethylbenzene
Concen: 48.470 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion: 105 Resp: 596435
Ion Ratio Lower Upper
105 100
120 48.3 24.1 72.4





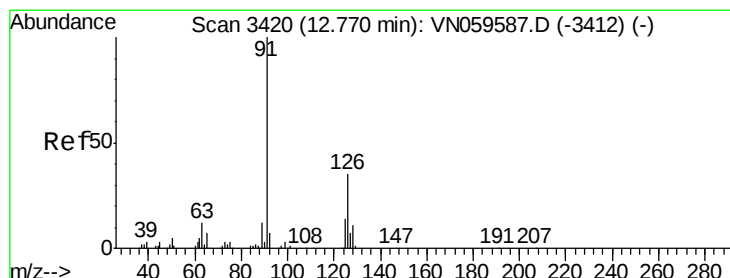
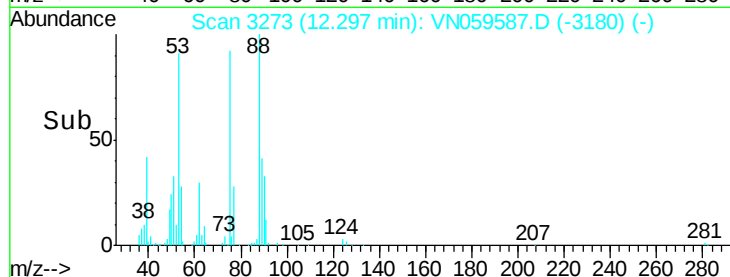
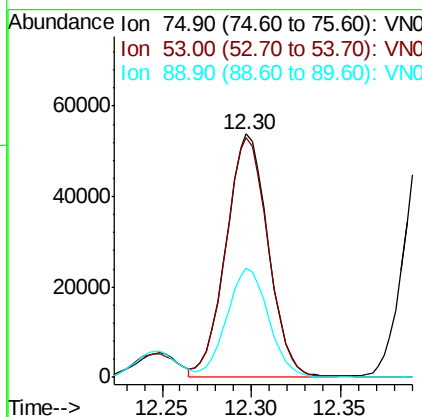
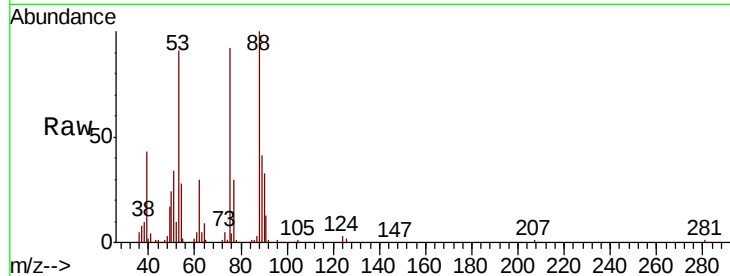
#81
trans-1,4-Dichloro-2-butene
Concen: 47.838 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.6	78.1	117.1
89	44.3	35.4	53.2

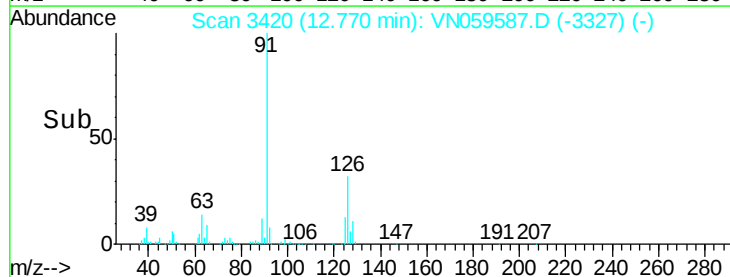
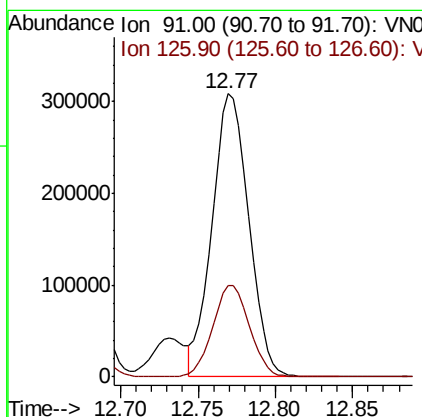
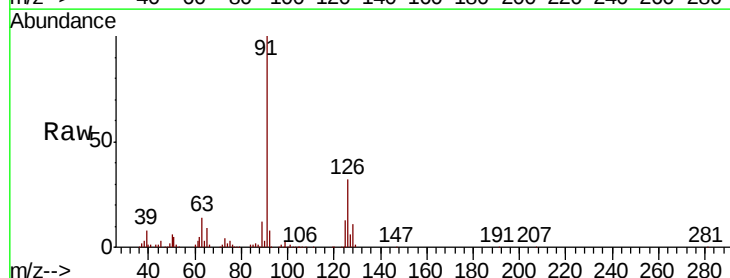
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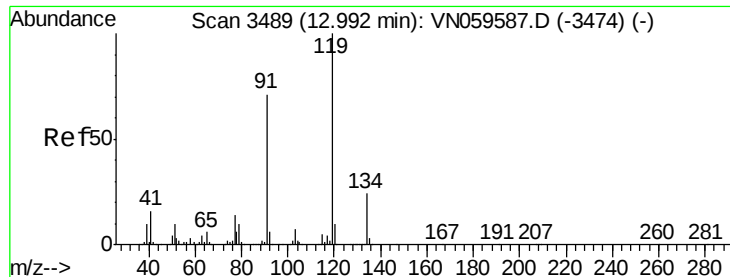
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#82
4-Chlorotoluene
Concen: 47.374 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.3	48.8





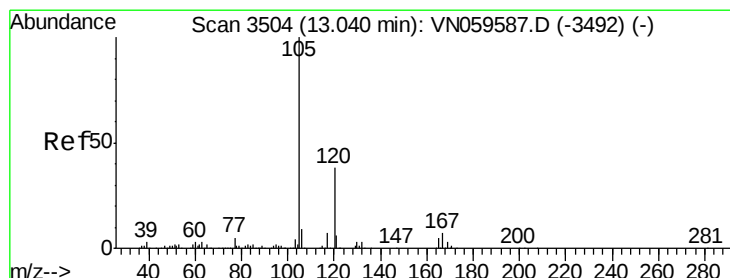
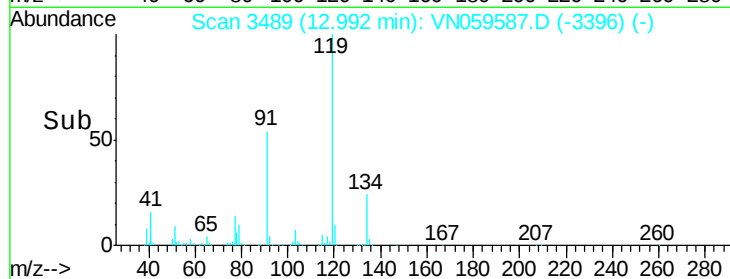
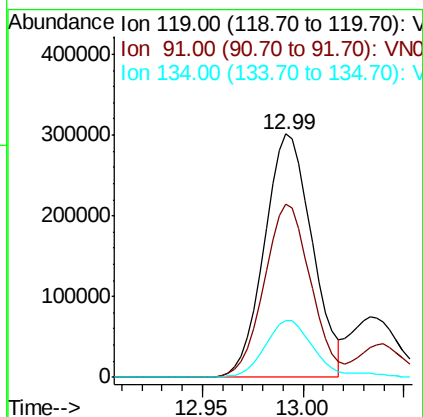
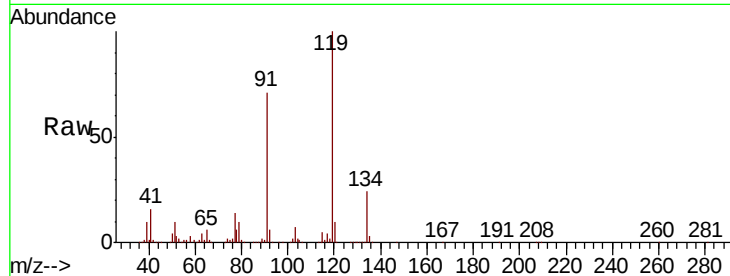
#83
 tert-Butylbenzene
 Concen: 48.314 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.6	34.8	104.4
134	24.6	12.3	36.9

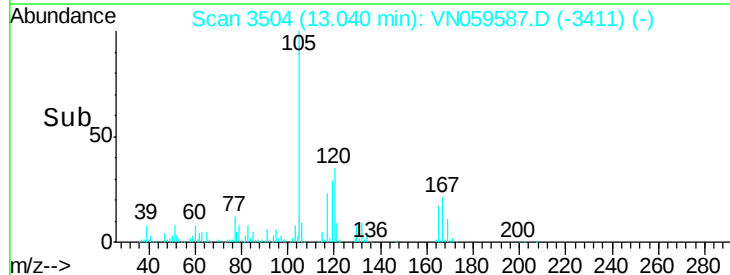
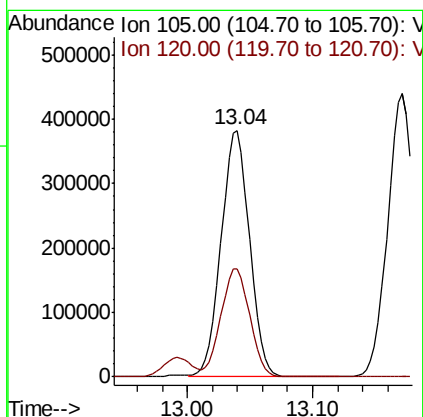
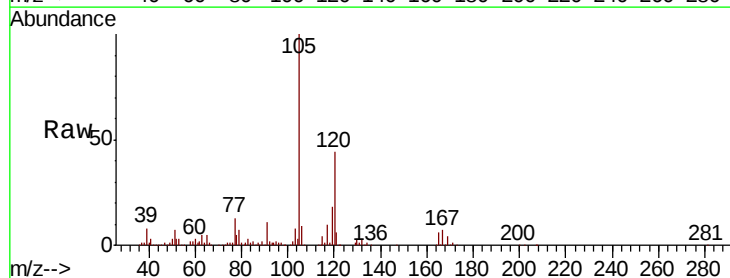
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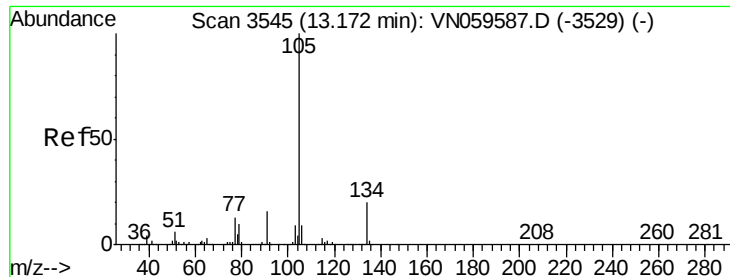
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.386 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.3	66.9





#85

sec-Butylbenzene

Concen: 48.222 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 676615

Ion Ratio Lower Upper

105 100

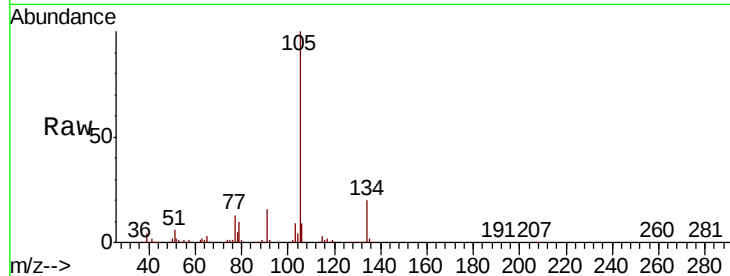
134 19.7 9.8 29.5

Manual Integrations

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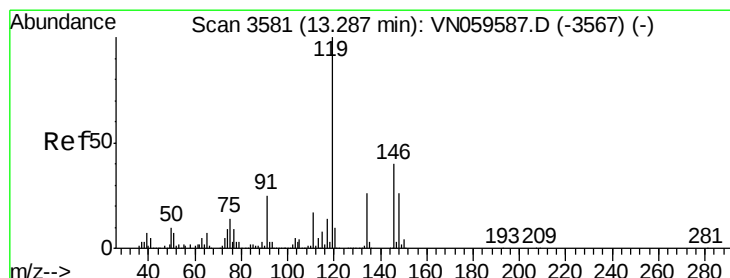
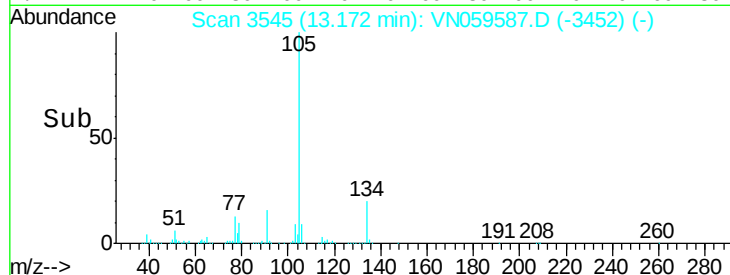
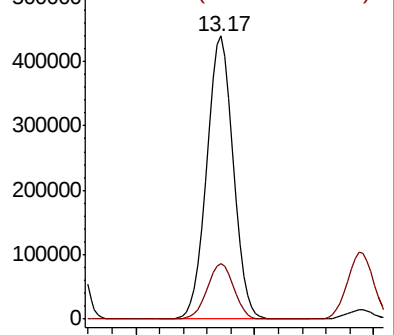
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.140 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

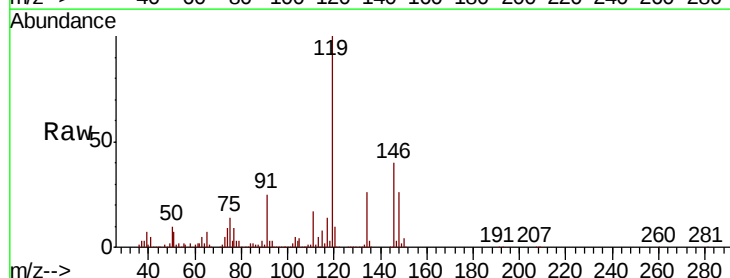
Tgt Ion:119 Resp: 615203

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

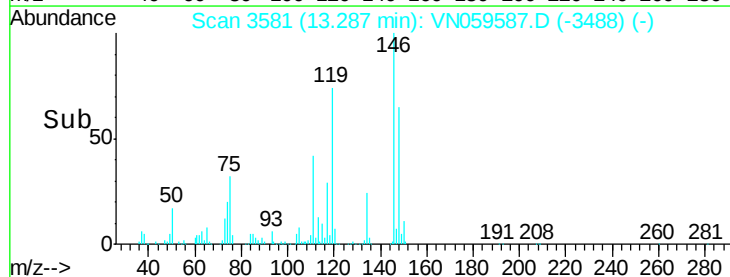
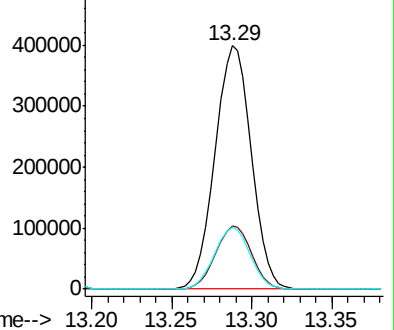
91 24.9 12.4 37.4

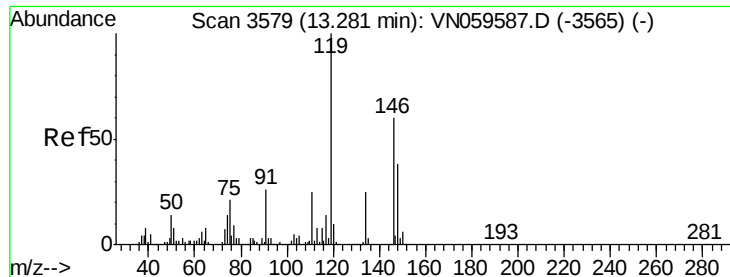


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





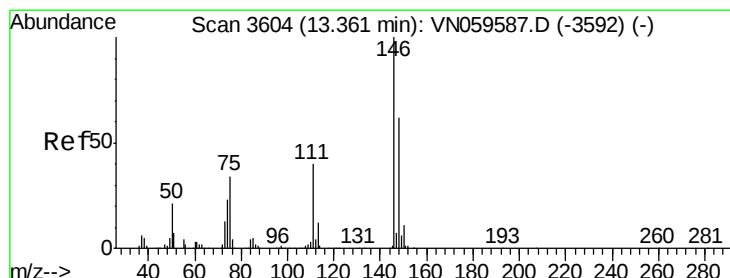
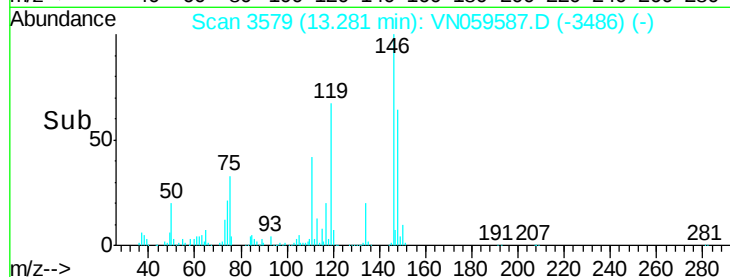
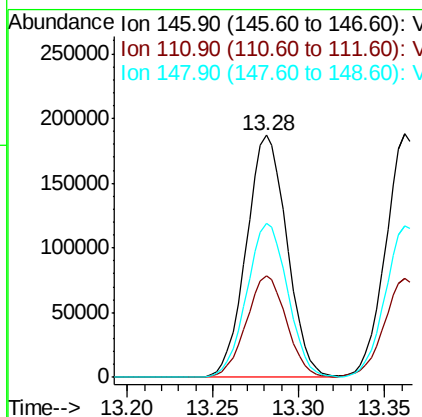
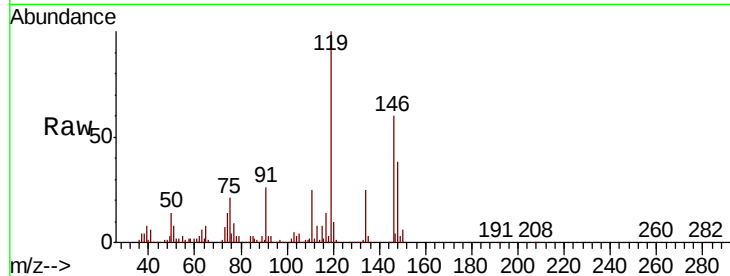
#87
 1,3-Dichlorobenzene
 Concen: 46.856 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.2
148	64.0	32.0	96.0

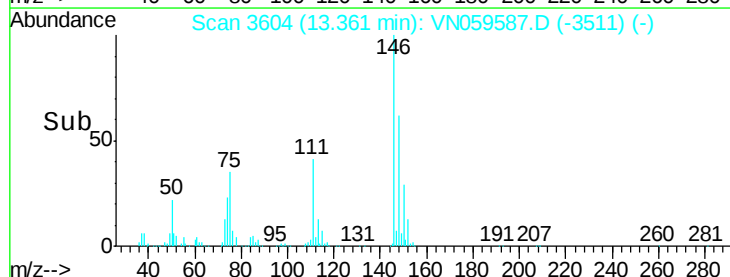
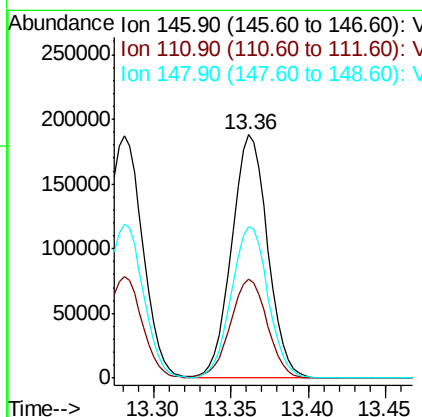
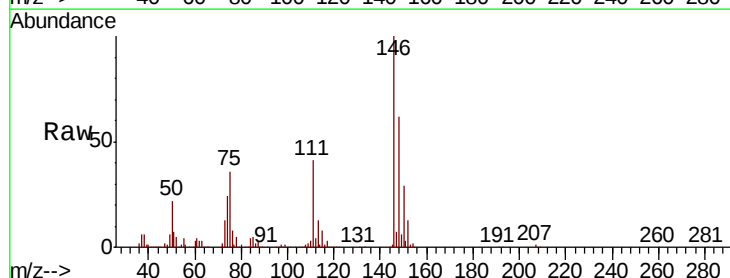
Manual Integrations
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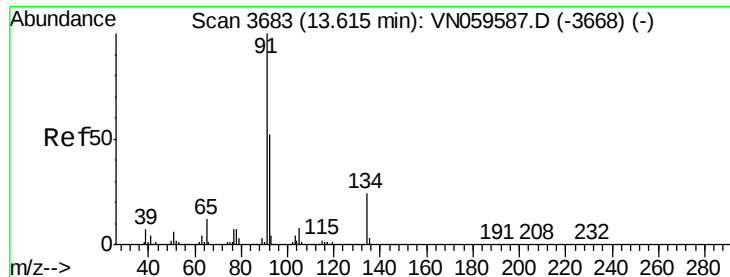
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#88
 1,4-Dichlorobenzene
 Concen: 47.398 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.2
148	63.6	31.8	95.4





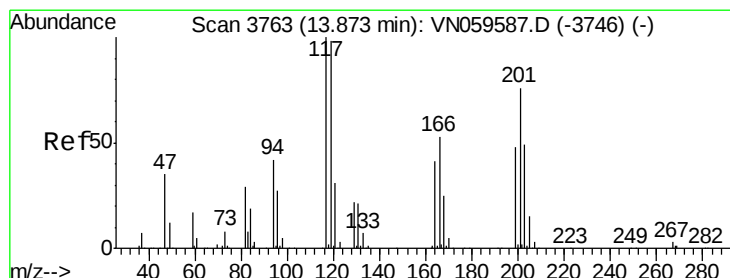
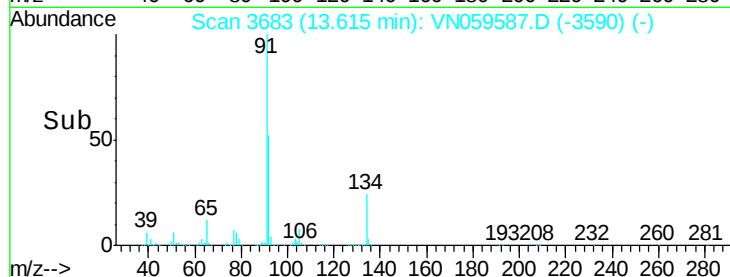
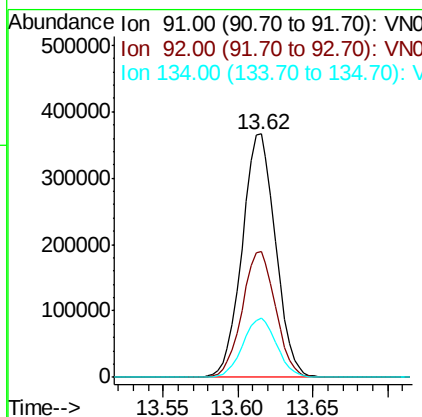
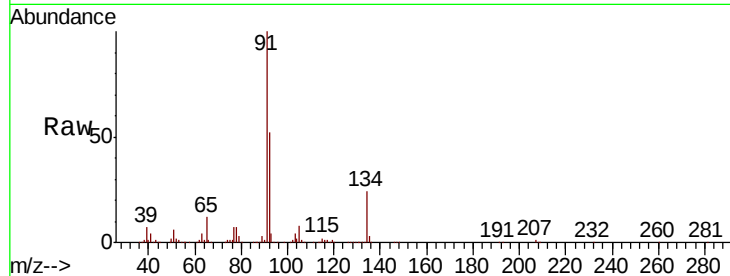
#89
n-Butylbenzene
Concen: 48.270 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.9	77.7
134	24.5	12.3	36.8

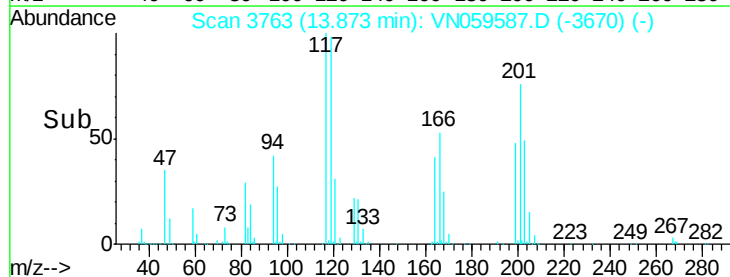
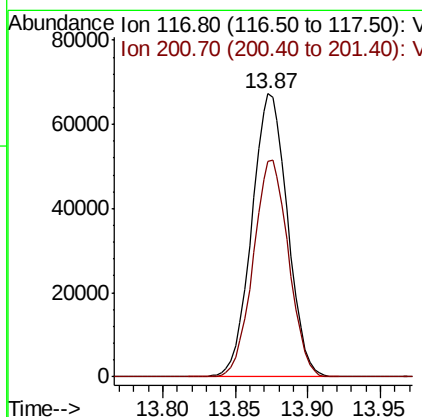
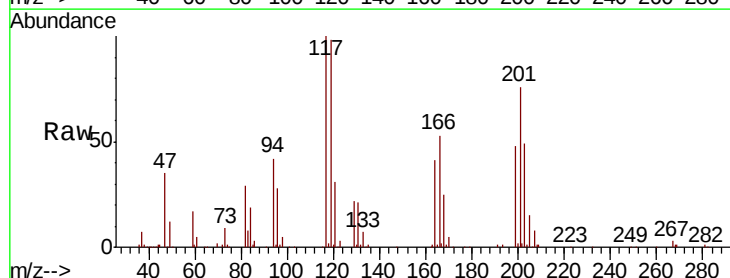
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#90
Hexachloroethane
Concen: 49.891 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.6	37.8	113.4





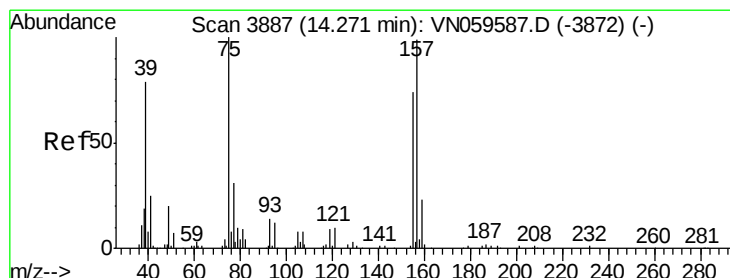
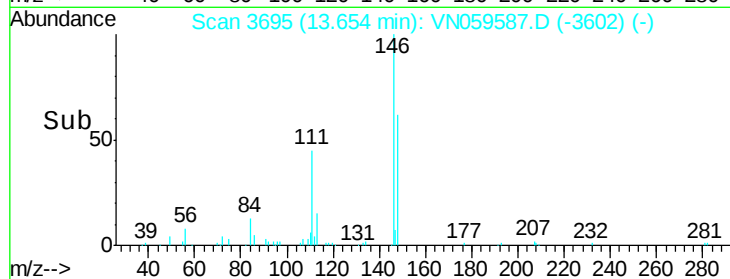
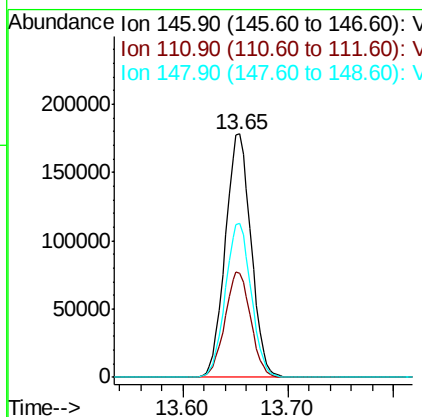
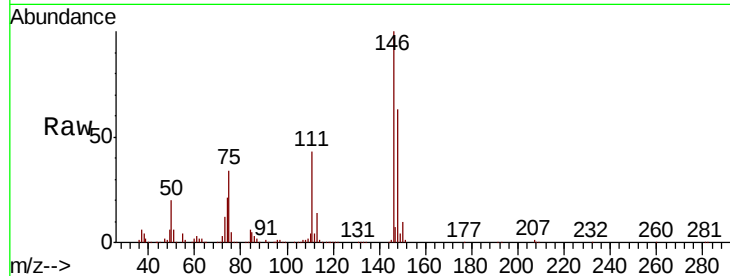
#91
 1,2-Dichlorobenzene
 Concen: 48.882 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	63.3	31.6	95.0

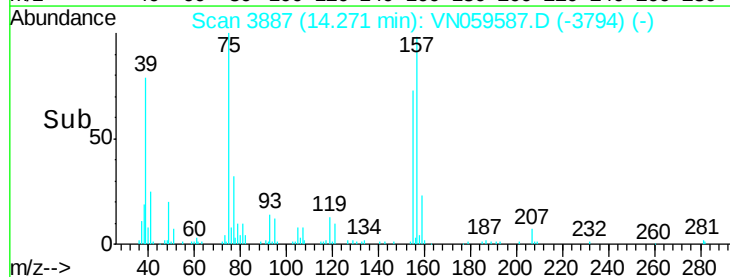
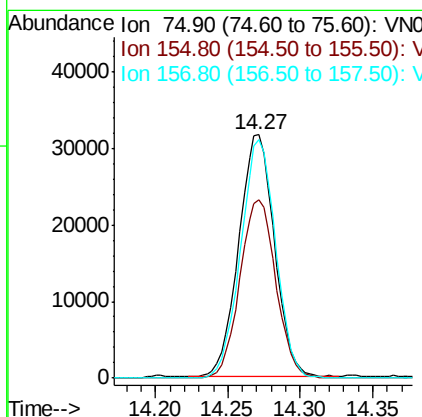
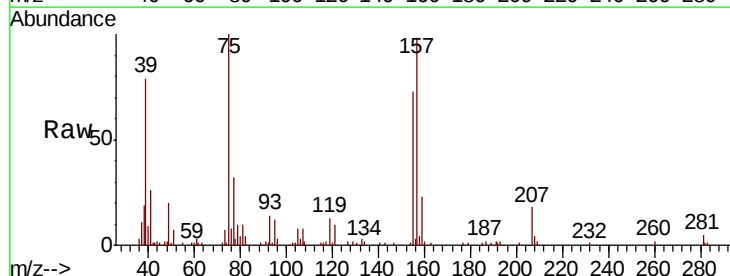
Manual Integrations
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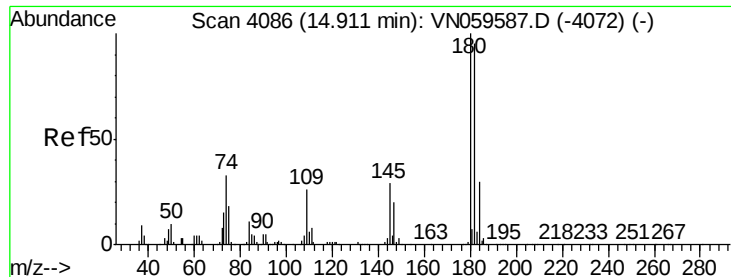
apatel
 12/16/2019 12:48:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.954 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	37.0	110.9
157	96.8	48.4	145.2





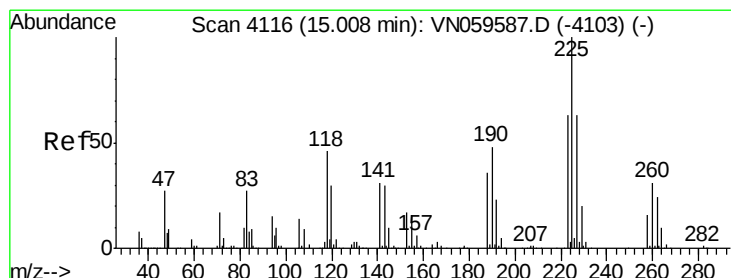
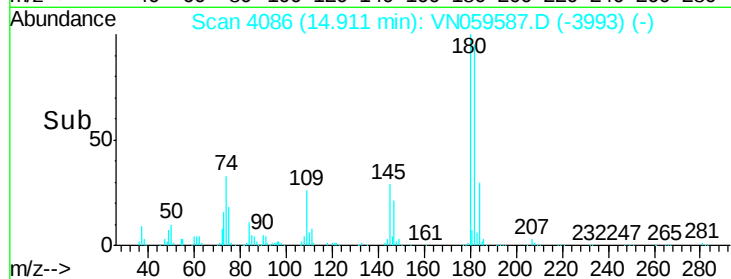
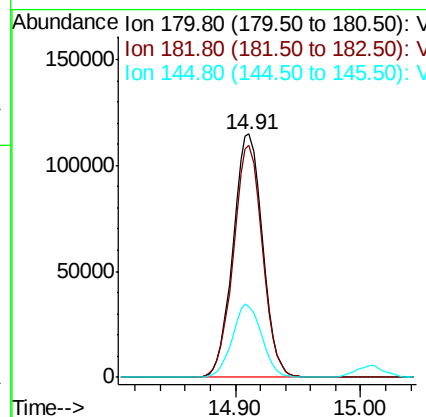
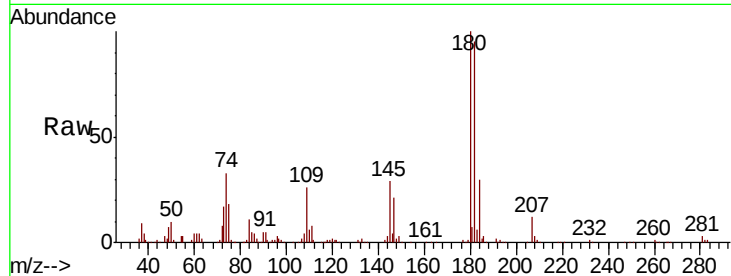
#93
 1,2,4-Trichlorobenzene
 Concen: 44.735 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	187362		
182	93.8	46.9	140.7	
145	30.1	15.0	45.1	

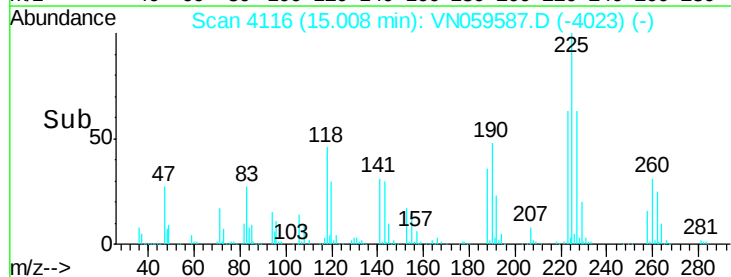
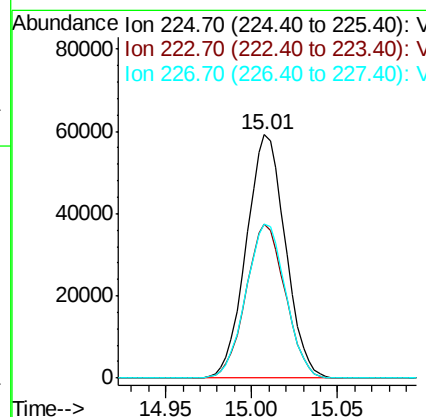
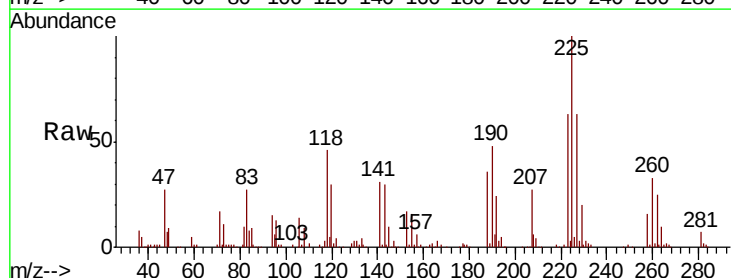
Manual Integrations
 APPROVED

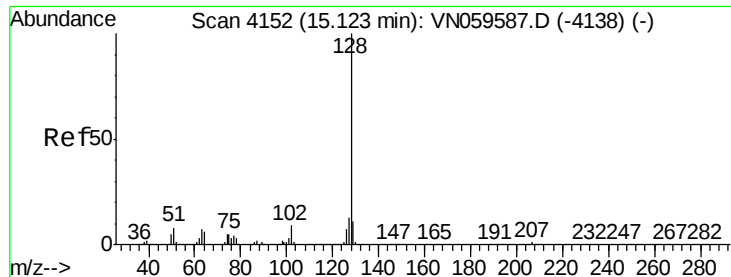
apatel
 12/16/2019 12:48:54 PM



#94
 Hexachlorobutadiene
 Concen: 44.150 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93353		
223	63.5	31.8	95.3	
227	64.3	32.1	96.5	





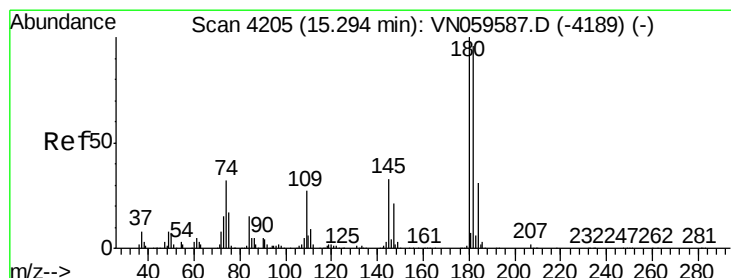
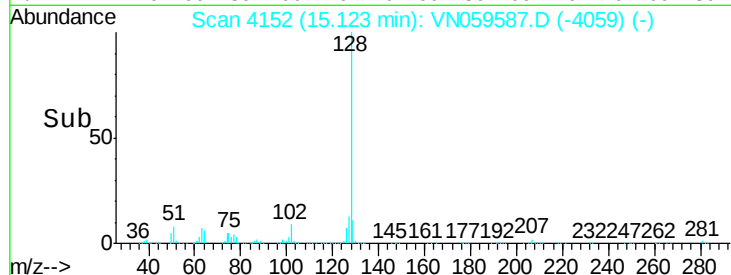
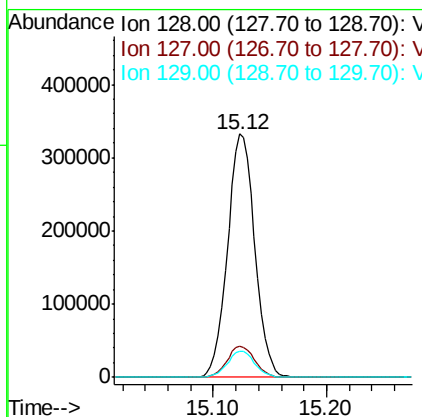
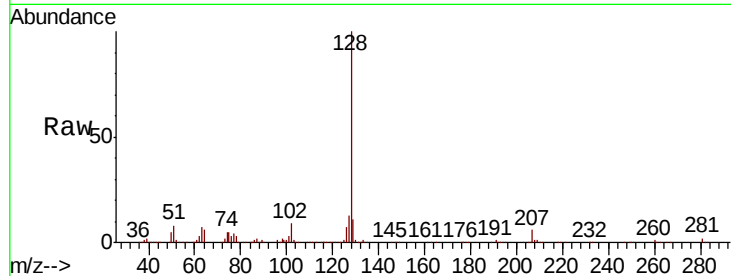
#95
Naphthalene
Concen: 45.010 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

apatel
12/16/2019 12:48:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 41.764 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.3
145	32.6	16.3	48.9

