

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\
 Data File : VN059617.D
 Acq On : 16 Dec 2019 20:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 12/17/2019 12:51:25 PM

Quant Time: Dec 17 06:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	237351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	386953	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	358497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	171100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	170755	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.56	113	118984	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.08	98	468687	48.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	167827	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	153459	50.035	ug/l	97
3) Chloromethane	2.04	50	221446	45.498	ug/l	100
4) Vinyl Chloride	2.17	62	217931	47.217	ug/l	99
5) Bromomethane	2.51	94	111567	41.580	ug/l	99
6) Chloroethane	2.66	64	117679	45.366	ug/l	98
7) Trichlorofluoromethane	2.99	101	250916	49.548	ug/l	97
8) Diethyl Ether	3.38	74	79699	50.370	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	121454	47.592	ug/l	100
10) Methyl Iodide	3.92	142	165409	48.959	ug/l	99
11) Tert butyl alcohol	4.75	59	133045	210.117	ug/l	99
12) 1,1-Dichloroethene	3.71	96	118186	47.474	ug/l	95
13) Acrolein	3.58	56	100038	221.791	ug/l	98
14) Allyl chloride	4.29	41	237388	46.450	ug/l	100
15) Acrylonitrile	4.95	53	381401	249.019	ug/l	100
16) Acetone	3.79	43	329981	160.923	ug/l	99
17) Carbon Disulfide	4.02	76	368283	43.060	ug/l	99
18) Methyl Acetate	4.29	43	203874	47.448	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	436106	49.614	ug/l	98
20) Methylene Chloride	4.52	84	140109	47.310	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	132282	47.664	ug/l	100
22) Diisopropyl ether	5.92	45	479610	50.904	ug/l	98
23) Vinyl Acetate	5.86	43	2099575	283.959	ug/l	99
24) 1,1-Dichloroethane	5.82	63	266433	49.921	ug/l	99
25) 2-Butanone	6.81	43	532611	217.209	ug/l	100
26) 2,2-Dichloropropane	6.80	77	221807	45.727	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	151616	49.302	ug/l	99
28) Bromochloromethane	7.17	49	110114	49.108	ug/l	100
29) Tetrahydrofuran	7.18	42	360650	241.398	ug/l	99
30) Chloroform	7.35	83	260732	49.631	ug/l	100
31) Cyclohexane	7.63	56	239842	47.560	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	229292	48.412	ug/l	99
36) 1,1-Dichloropropene	7.77	75	199008	49.316	ug/l	99
37) Ethyl Acetate	6.90	43	225153	48.005	ug/l	99
38) Carbon Tetrachloride	7.75	117	202583	48.379	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	227777	49.763	ug/l	99
40) Benzene	8.02	78	571255	48.441	ug/l	100
41) Methacrylonitrile	7.15	41	83354m	43.063	ug/l	
42) 1,2-Dichloroethane	8.10	62	223707	49.534	ug/l	100
43) Isopropyl Acetate	8.14	43	361031	49.511	ug/l	100
44) Trichloroethene	8.82	130	145129	46.983	ug/l	99
45) 1,2-Dichloropropane	9.10	63	156723	49.214	ug/l	99
46) Dibromomethane	9.19	93	103198	49.464	ug/l	98
47) Bromodichloromethane	9.39	83	209603	50.390	ug/l	99
48) Methyl methacrylate	9.18	41	167069	50.499	ug/l	96
49) 1,4-Dioxane	9.19	88	36804	776.284	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	1110801	255.496	ug/l	100
52) Toluene	10.14	92	350045	48.309	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	235941	49.045	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	249489	49.337	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	139244	48.972	ug/l	99
56) Ethyl methacrylate	10.42	69	218559	51.778	ug/l	100
57) 1,3-Dichloropropane	10.70	76	245723	49.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	414816	308.997	ug/l	100
59) 2-Hexanone	10.74	43	821866	239.856	ug/l	100
60) Dibromochloromethane	10.90	129	155520	50.115	ug/l	99
61) 1,2-Dibromoethane	11.00	107	147804	49.015	ug/l	98
64) Tetrachloroethene	10.62	164	129672	38.802	ug/l	98
65) Chlorobenzene	11.43	112	366454	47.242	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	141131	47.900	ug/l	99
67) Ethyl Benzene	11.51	91	680417	48.595	ug/l	99
68) m/p-Xylenes	11.62	106	502389	97.167	ug/l	99
69) o-Xylene	11.94	106	240251	48.835	ug/l	100
70) Styrene	11.96	104	389992	49.339	ug/l	100
71) Bromoform	12.12	173	109665	49.515	ug/l #	98
73) Isopropylbenzene	12.25	105	648717	48.299	ug/l	100
74) N-amyl acetate	12.07	43	308443	50.063	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	209016	49.058	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	209983m	49.575	ug/l	
77) Bromobenzene	12.52	156	153634	46.512	ug/l	99
78) n-propylbenzene	12.59	91	774728	48.795	ug/l	99
79) 2-Chlorotoluene	12.67	91	450101	46.883	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	547516	48.170	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	78754	45.923	ug/l	98
82) 4-Chlorotoluene	12.77	91	466500	47.457	ug/l	99
83) tert-Butylbenzene	12.99	119	465797	48.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	551290	48.778	ug/l	100
85) sec-Butylbenzene	13.17	105	624466	48.770	ug/l	100
86) p-Isopropyltoluene	13.29	119	567439	48.931	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	274687	45.225	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	273719	44.697	ug/l	99
89) n-Butylbenzene	13.61	91	509006	46.816	ug/l	100
90) Hexachloroethane	13.87	117	108180	49.351	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	271324	45.296	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	50377	43.552	ug/l	97

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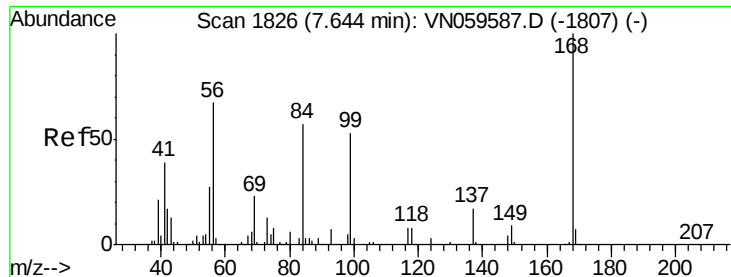
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	170744	44.143	ug/l	99
94) Hexachlorobutadiene	15.01	225	82690	40.810	ug/l	98
95) Naphthalene	15.12	128	512443	44.378	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	168911	43.176	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 237351

Ion Ratio Lower Upper

168 100

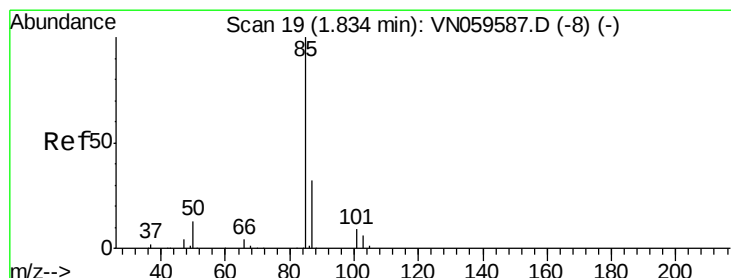
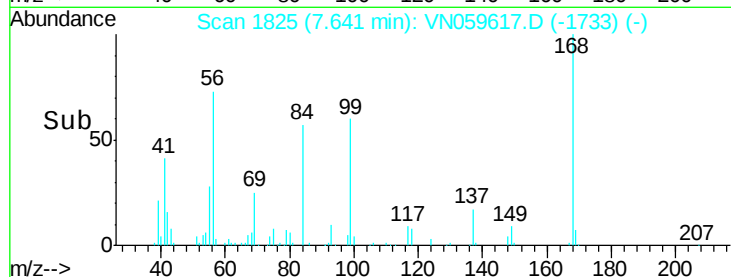
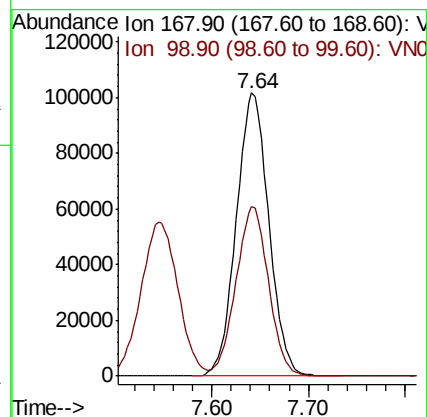
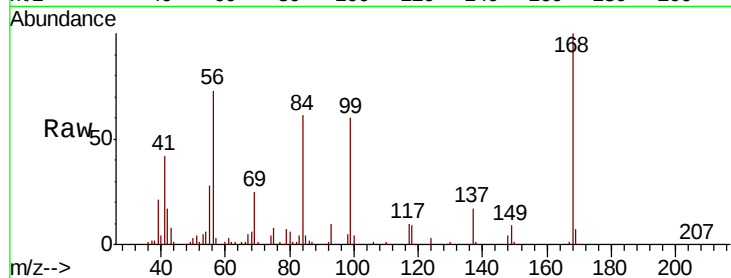
99 59.9 48.2 72.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 50.035 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059617.D

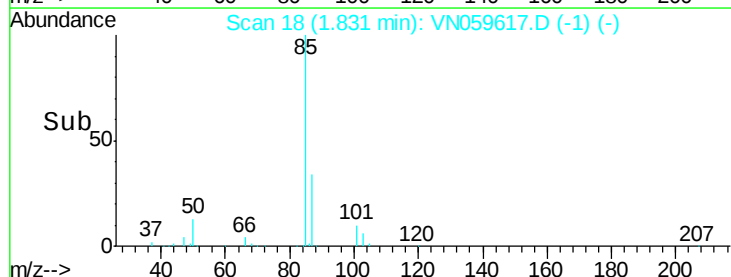
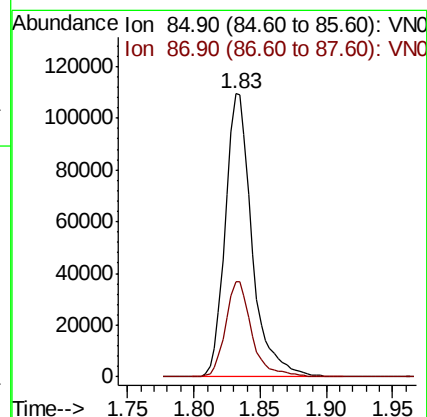
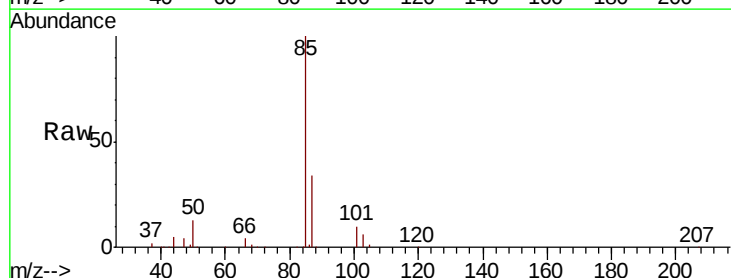
Acq: 16 Dec 2019 20:41

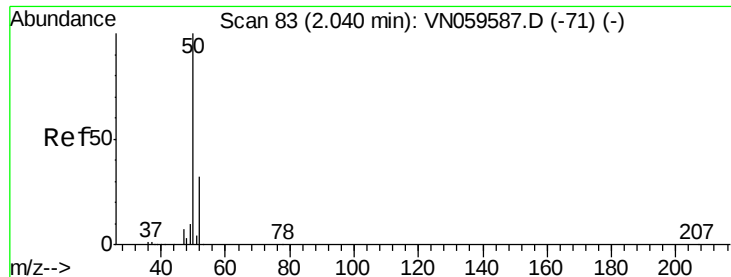
Tgt Ion: 85 Resp: 153459

Ion Ratio Lower Upper

85 100

87 33.7 15.9 47.7





#3

Chloromethane

Concen: 45.498 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 221446

Ion Ratio Lower Upper

50 100

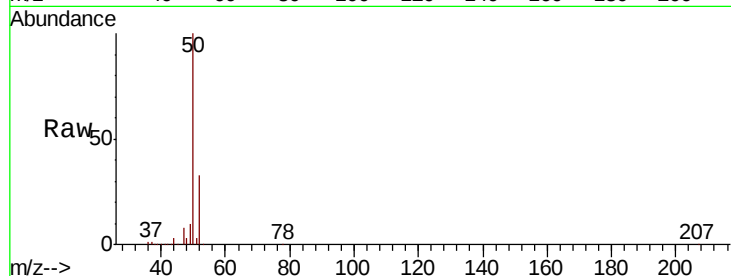
52 32.6 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

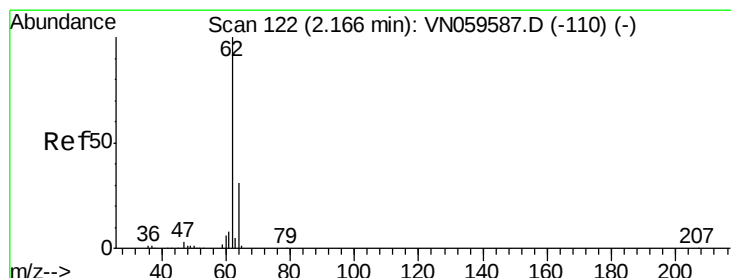
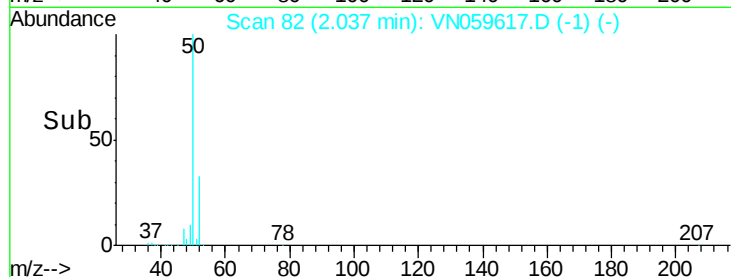
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.217 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059617.D

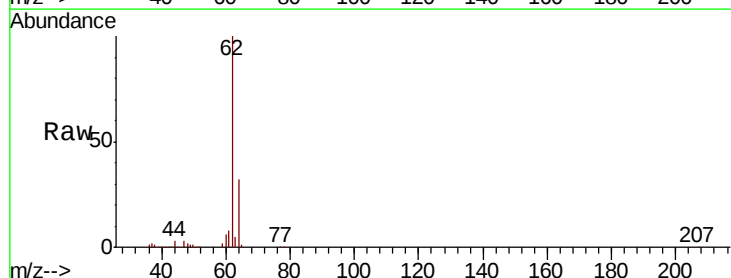
Acq: 16 Dec 2019 20:41

Tgt Ion: 62 Resp: 217931

Ion Ratio Lower Upper

62 100

64 31.5 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

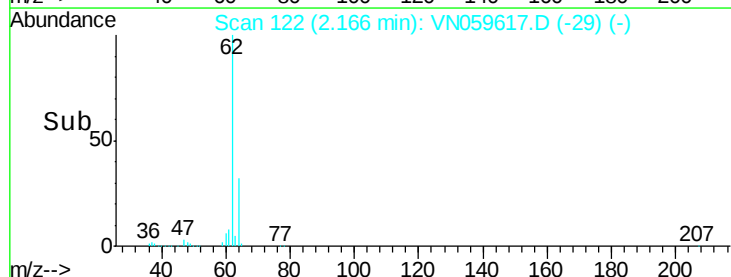
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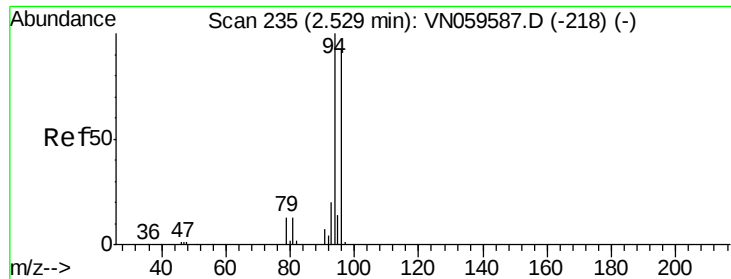
100000

50000

0

Time-->





#5

Bromomethane

Concen: 41.580 ug/l

RT: 2.51 min Scan# 228

Delta R.T. -0.02 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 111567

Ion Ratio Lower Upper

94 100

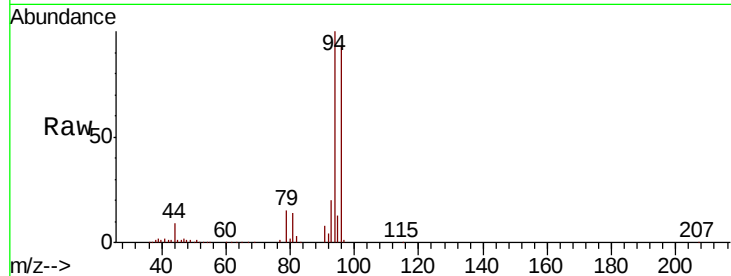
96 92.7 74.7 112.1

Manual Integrations

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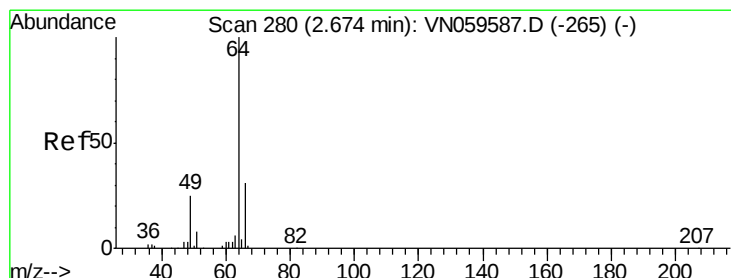
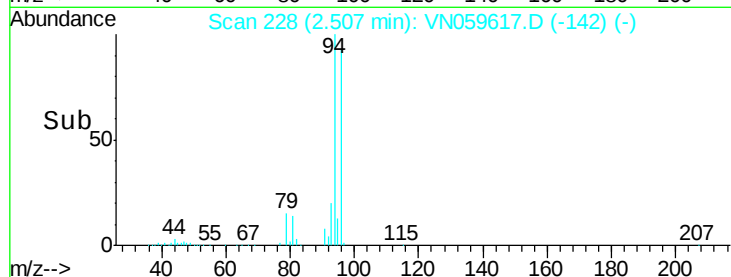
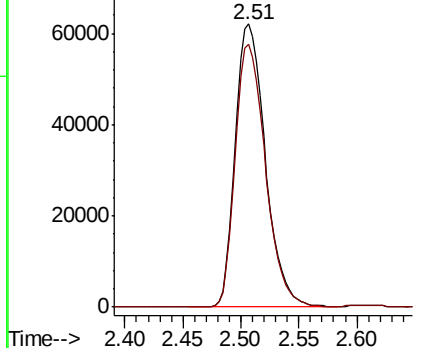
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 45.366 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.01 min

Lab File: VN059617.D

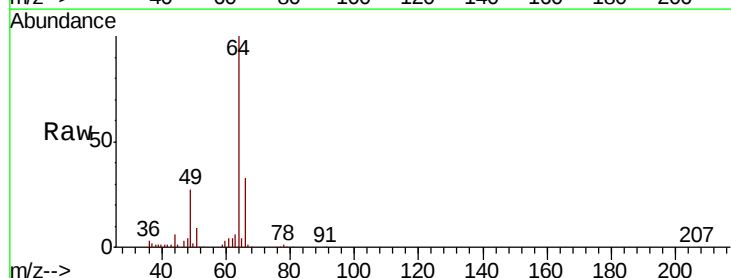
Acq: 16 Dec 2019 20:41

Tgt Ion: 64 Resp: 117679

Ion Ratio Lower Upper

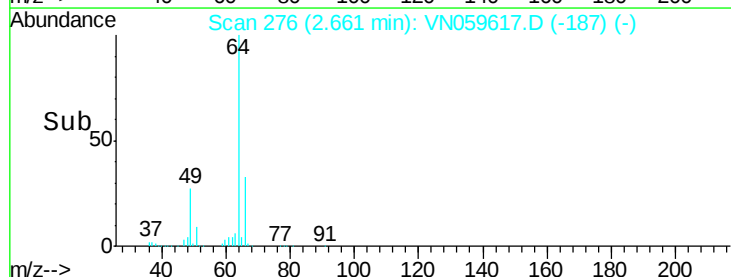
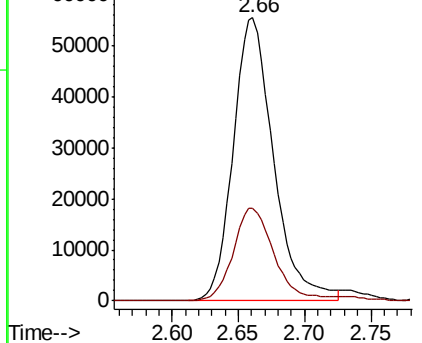
64 100

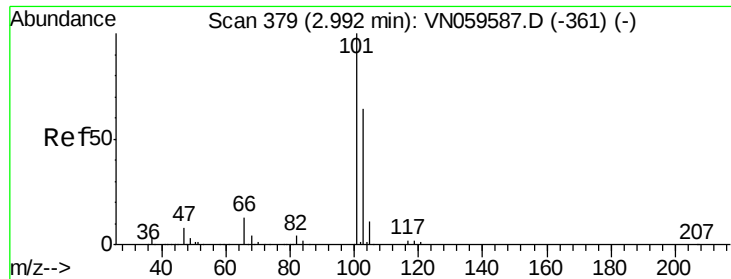
66 32.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

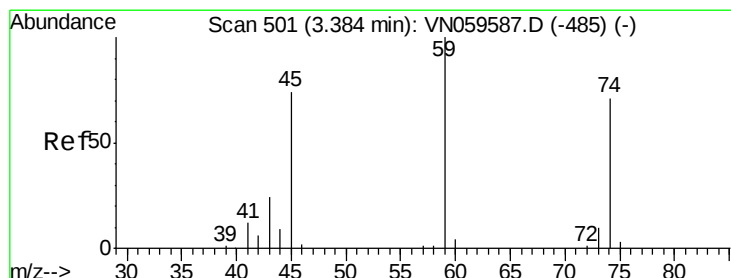
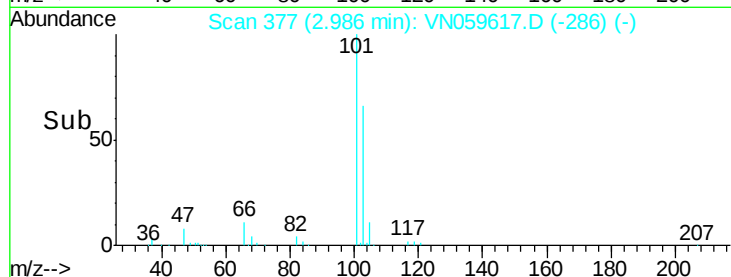
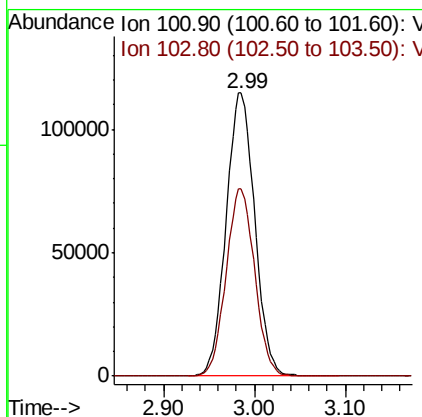
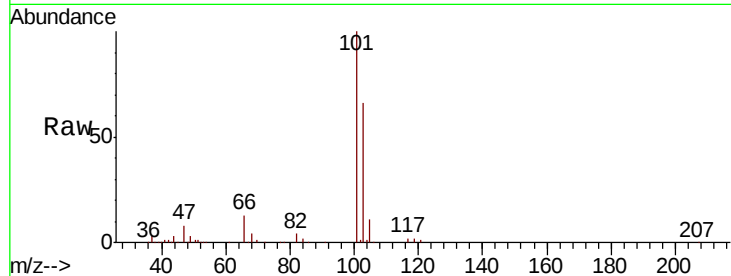
Trichlorofluoromethane
Concen: 49.548 ug/l
RT: 2.99 min Scan# 377
Delta R.T. -0.01 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	51.0	76.6

Manual Integrations
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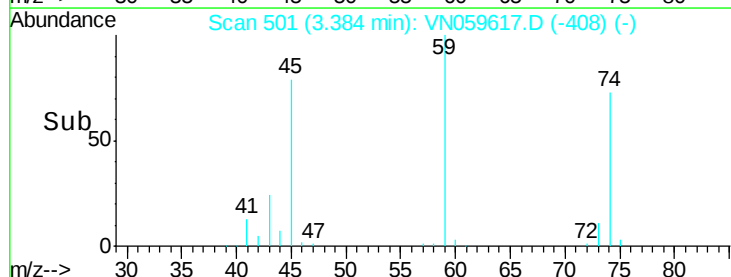
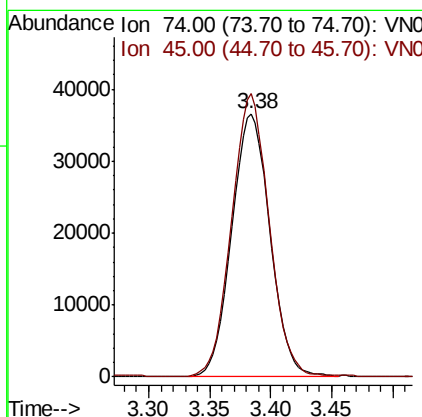
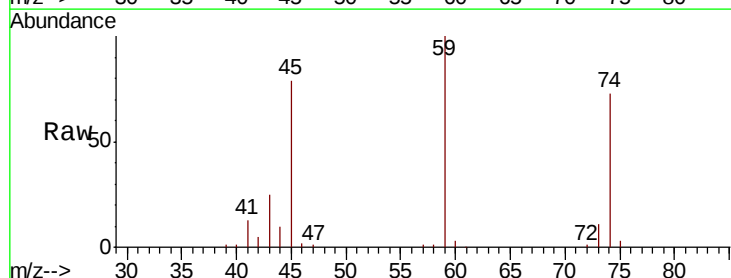
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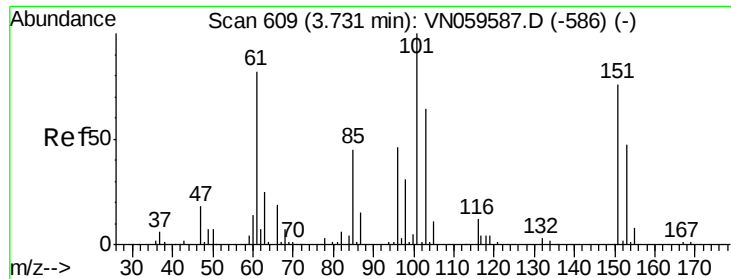


#8

Diethyl Ether
Concen: 50.370 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.6	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.592 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

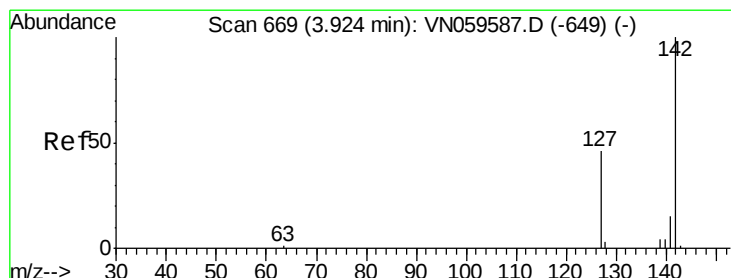
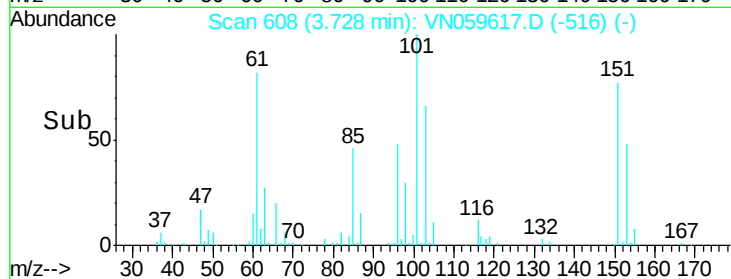
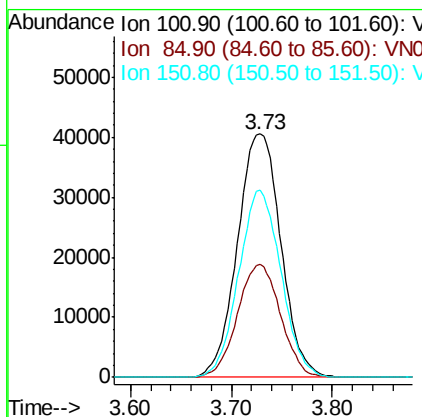
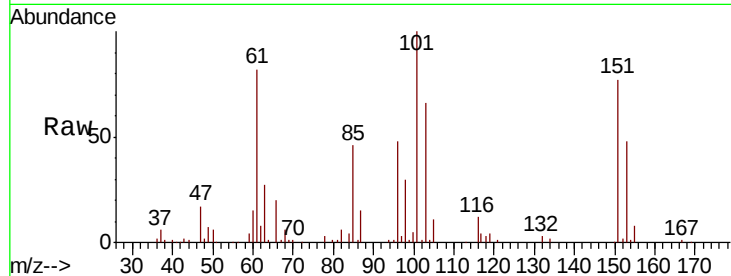
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	121454
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.6	54.8
151	74.9	59.7	89.5

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#10

Methyl Iodide

Concen: 48.959 ug/l

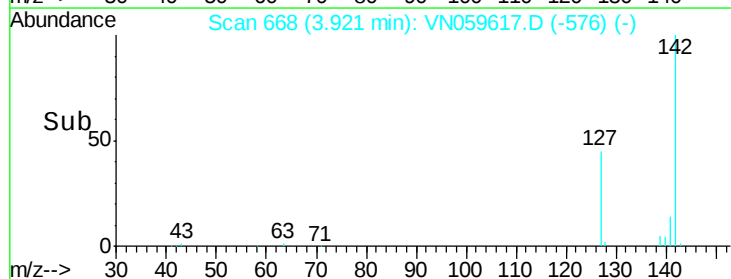
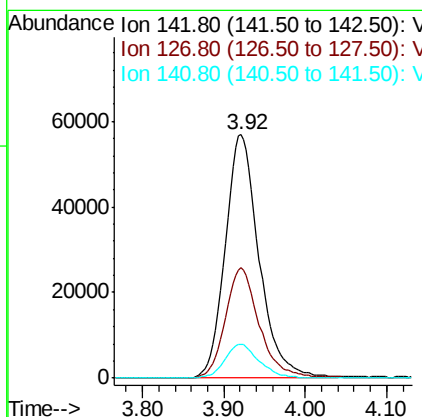
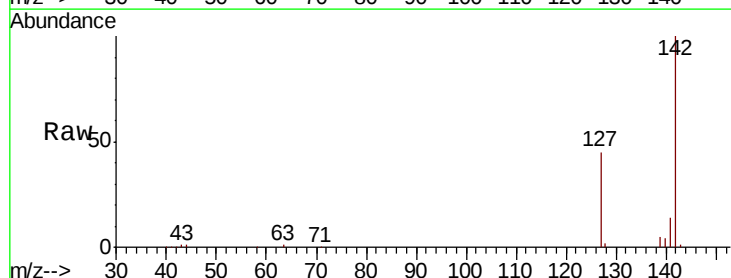
RT: 3.92 min Scan# 668

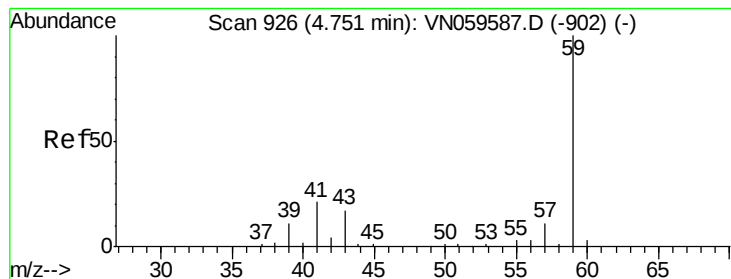
Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Tgt Ion:	142	Resp:	165409
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.7	55.1
141	14.1	11.7	17.5





#11

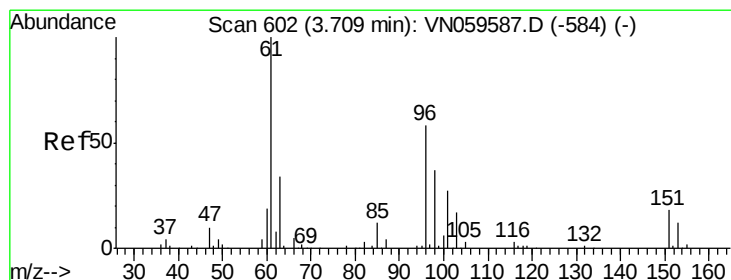
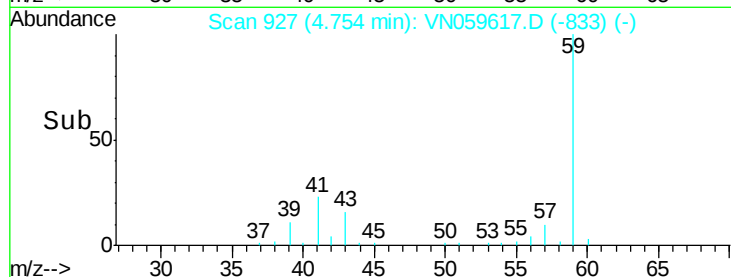
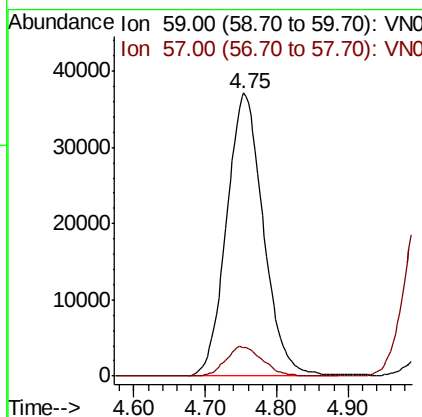
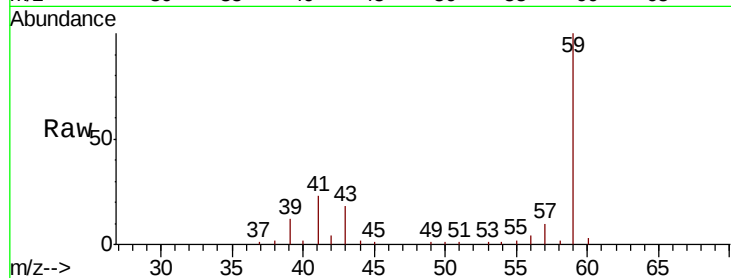
Tert butyl alcohol
Concen: 210.117 ug/l
RT: 4.75 min Scan# 927
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.6	12.8

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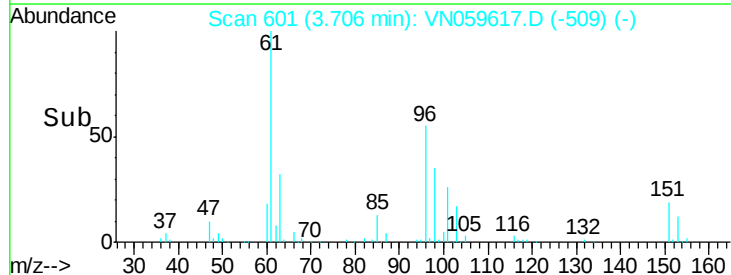
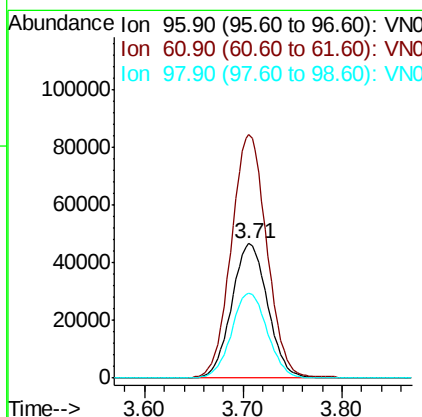
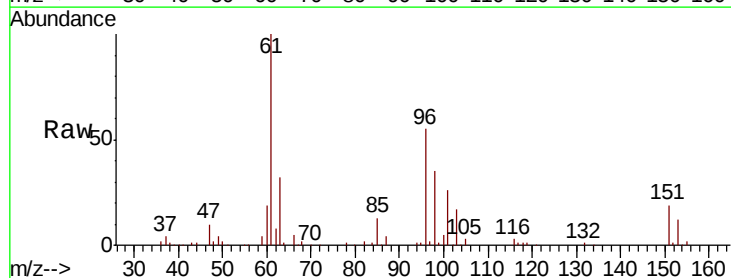
apatel
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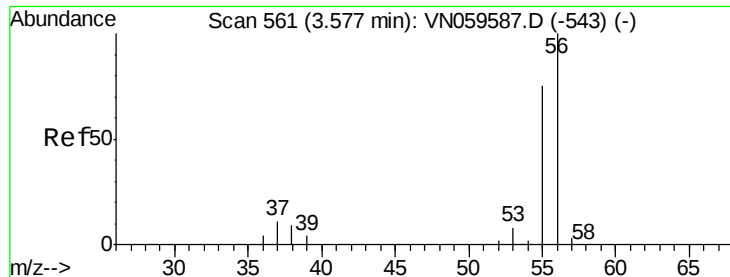


#12

1,1-Dichloroethene
Concen: 47.474 ug/l
RT: 3.71 min Scan# 601
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.2	137.5	206.3
98	63.3	50.2	75.4





#13

Acrolein

Concen: 221.791 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 100038

Ion Ratio Lower Upper

56 100

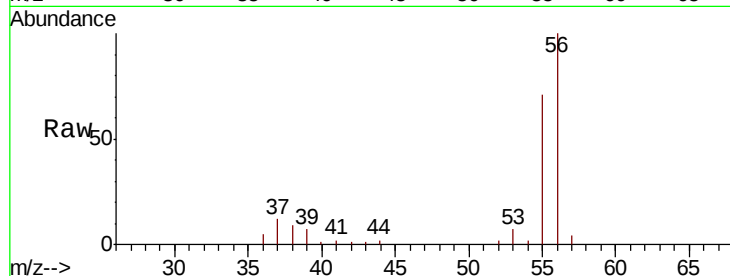
55 71.9 58.6 88.0

Manual Integrations

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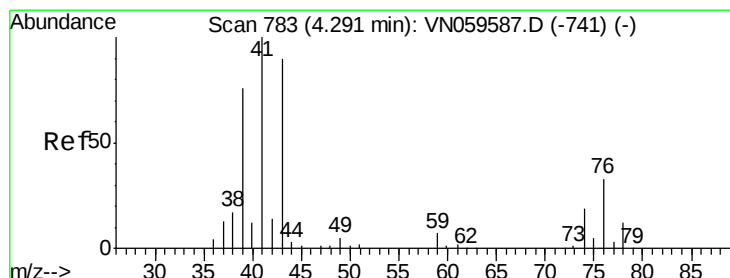
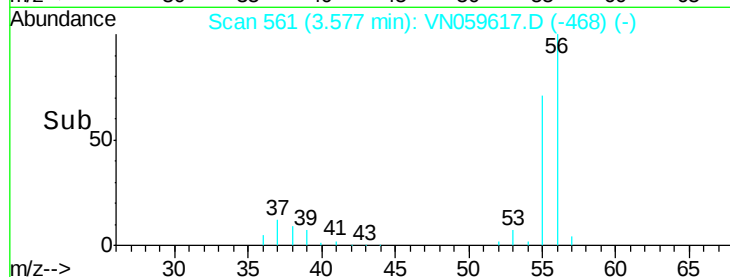
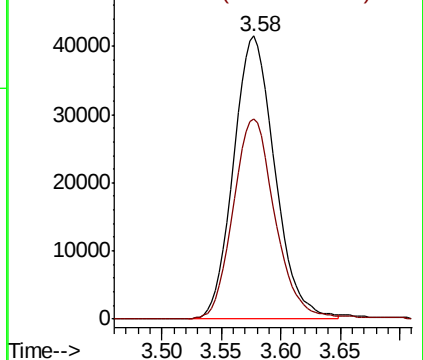
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 46.450 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

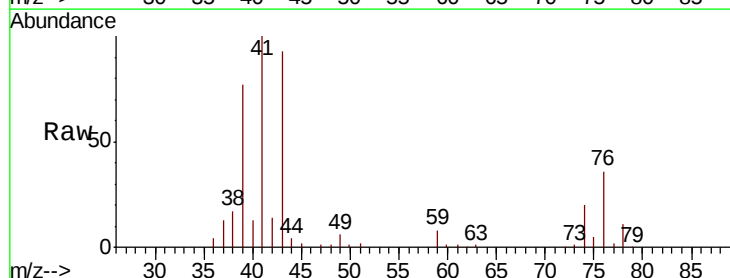
Tgt Ion: 41 Resp: 237388

Ion Ratio Lower Upper

41 100

39 71.9 57.8 86.8

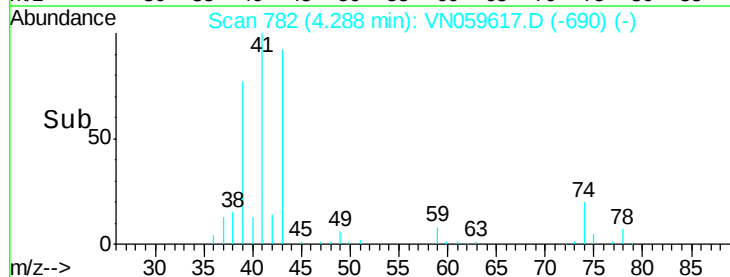
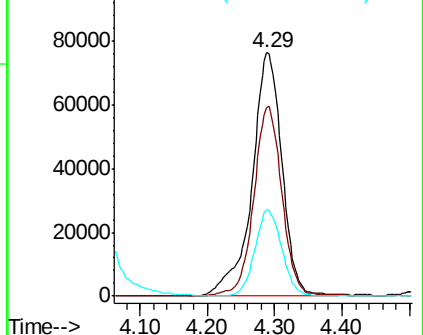
76 31.7 25.4 38.0

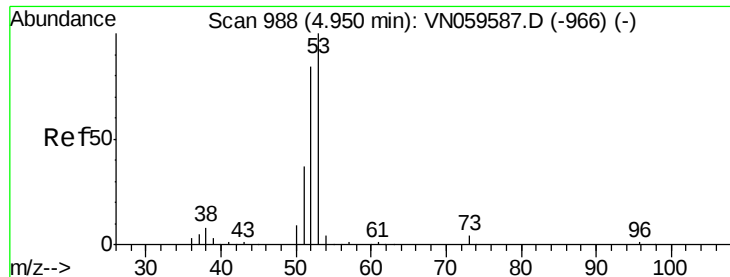


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 249.019 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

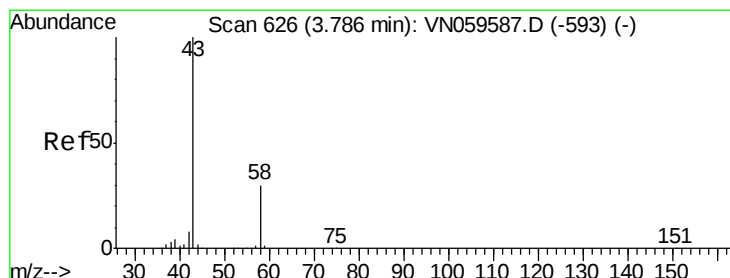
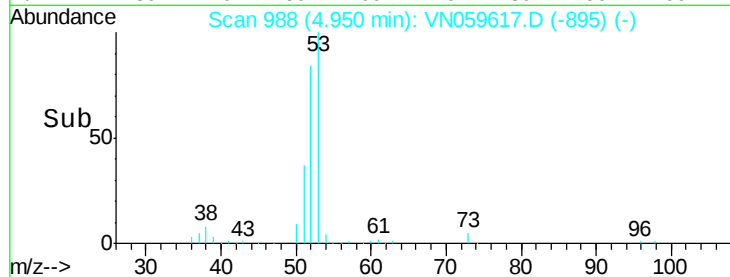
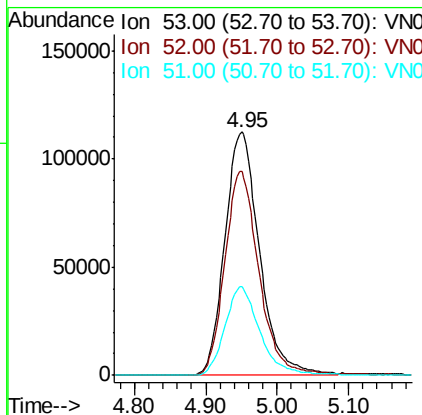
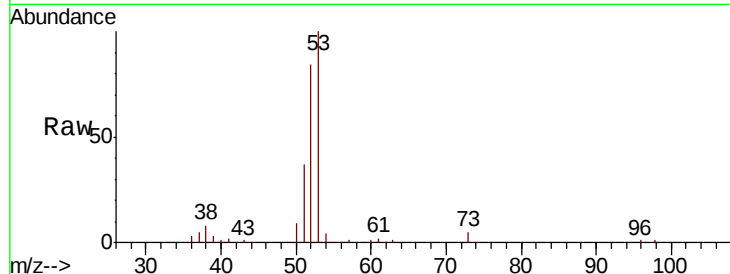
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	381401
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.3	99.5
51	36.9	29.7	44.5

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#16

Acetone

Concen: 160.923 ug/l

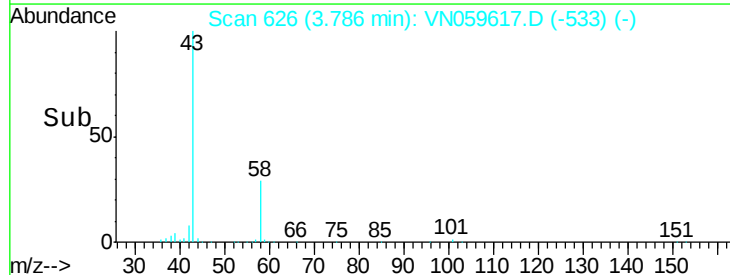
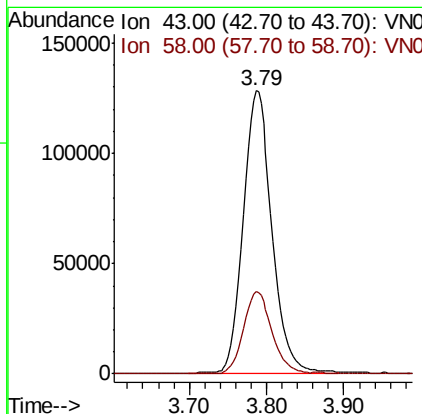
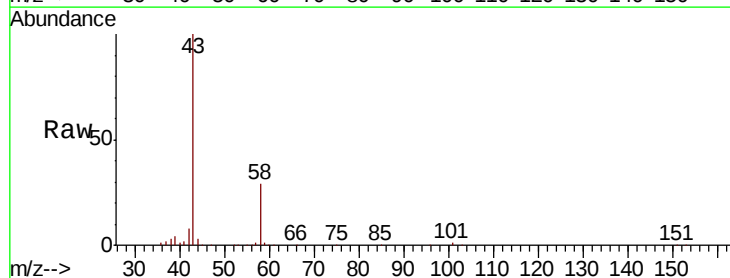
RT: 3.79 min Scan# 626

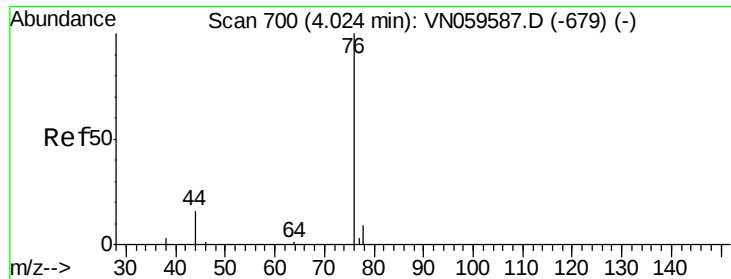
Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Tgt Ion:	43	Resp:	329981
Ion	Ratio	Lower	Upper
43	100		
58	29.1	23.6	35.4





#17

Carbon Disulfide

Concen: 43.060 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 368283

Ion Ratio Lower Upper

76 100

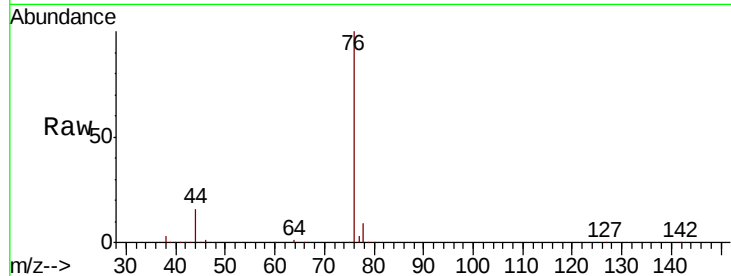
78 8.9 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

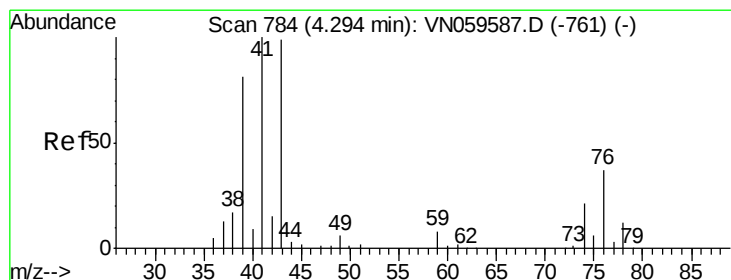
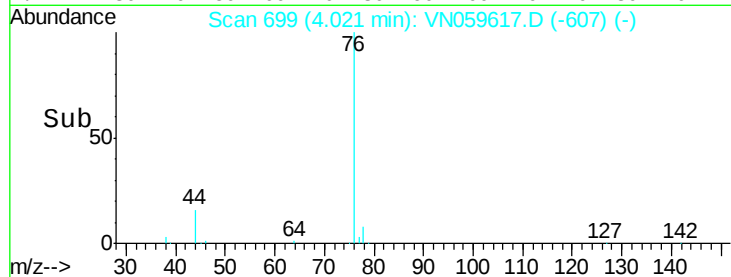
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.448 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN059617.D

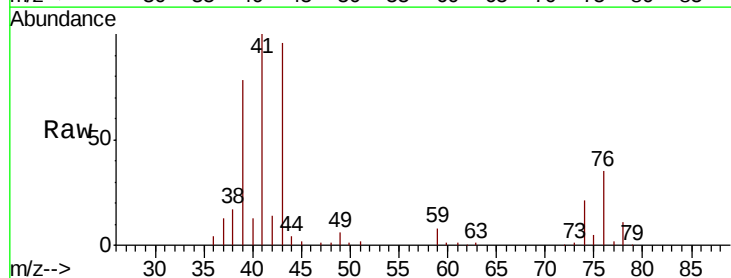
Acq: 16 Dec 2019 20:41

Tgt Ion: 43 Resp: 203874

Ion Ratio Lower Upper

43 100

74 22.0 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

80000

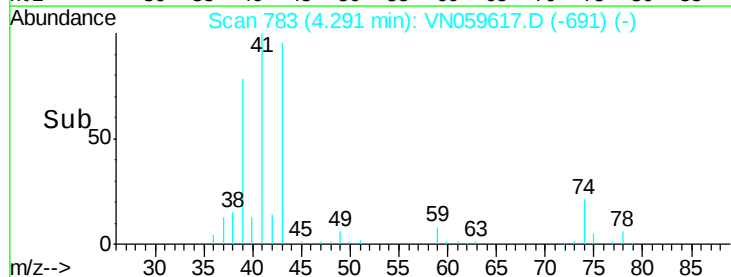
60000

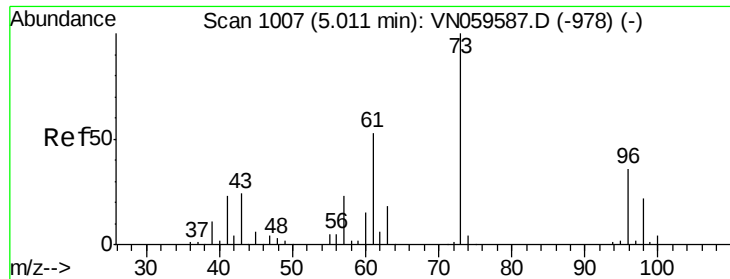
40000

20000

0

Time-->





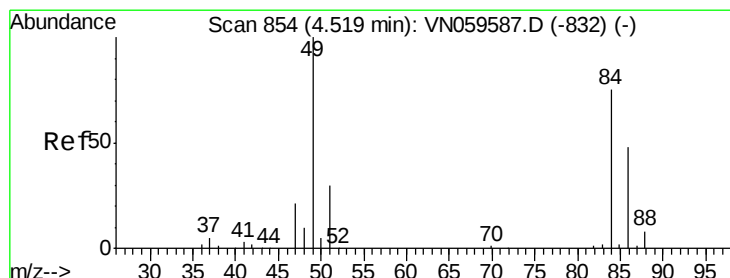
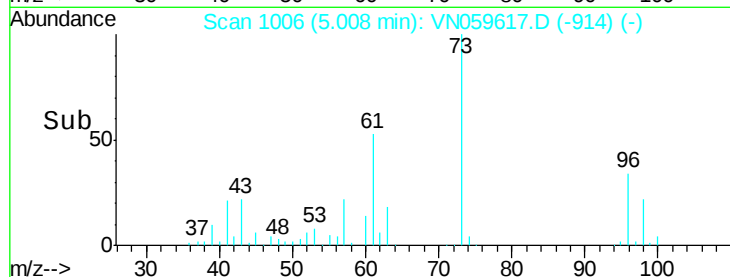
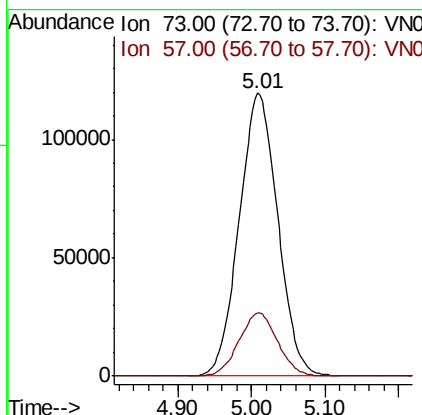
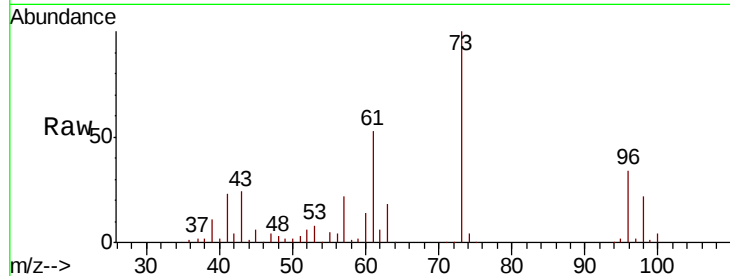
#19
Methvl tert-butvl Ether
Concen: 49.614 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 436106
Ion Ratio Lower Upper
73 100
57 22.4 18.6 27.8

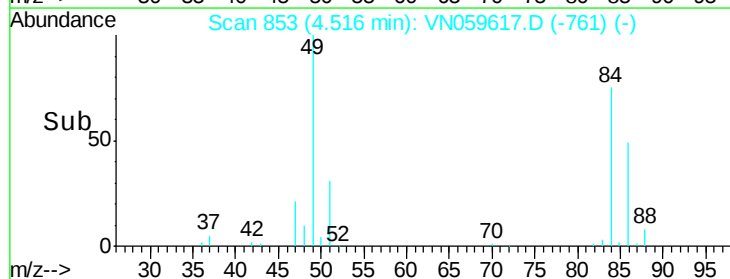
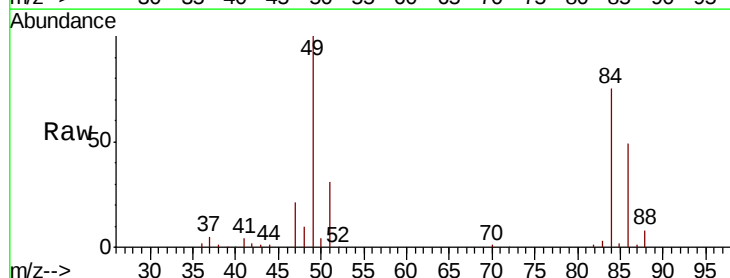
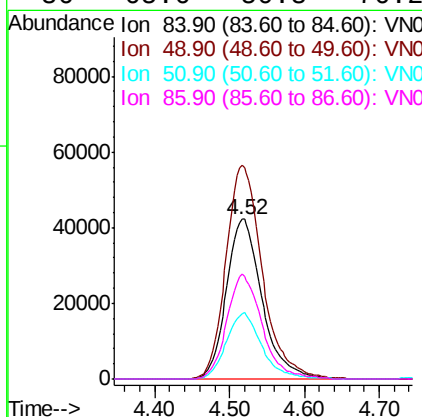
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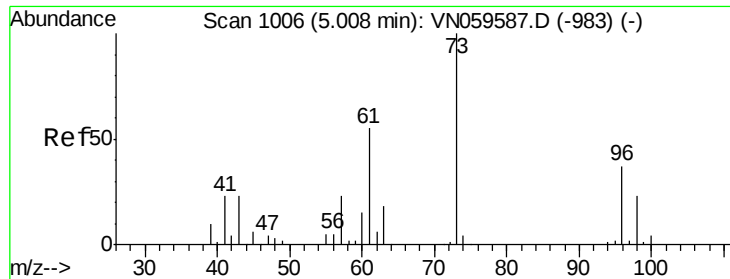
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#20
Methylene Chloride
Concen: 47.310 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion: 84 Resp: 140109
Ion Ratio Lower Upper
84 100
49 133.8 106.6 160.0
51 41.0 31.9 47.9
86 65.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 47.664 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 132282

Ion Ratio Lower Upper

96 100

61 150.2 120.4 180.6

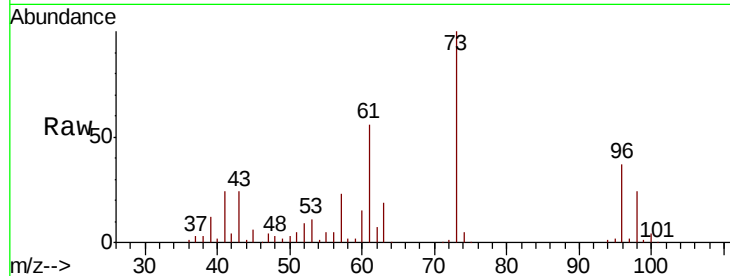
98 63.8 50.6 75.8

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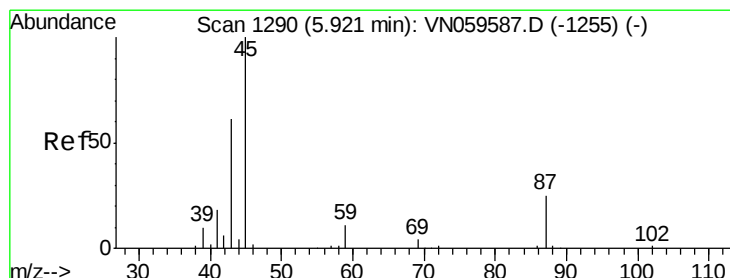
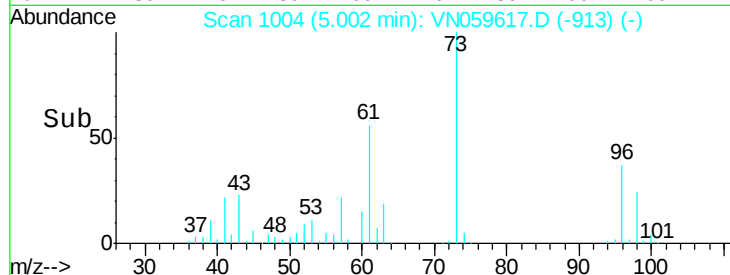
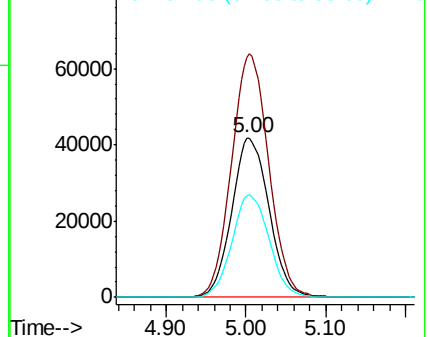


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 50.904 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Tgt Ion: 45 Resp: 479610

Ion Ratio Lower Upper

45 100

43 61.0 50.8 76.2

87 25.5 21.0 31.6

59 11.2 9.1 13.7

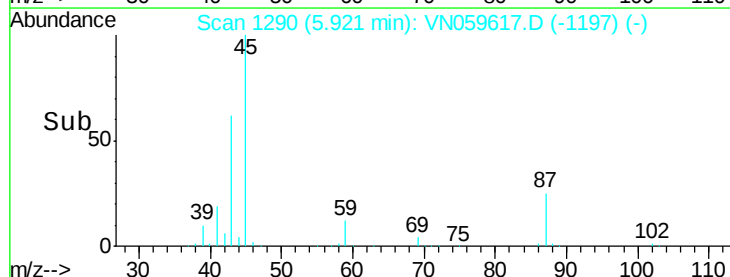
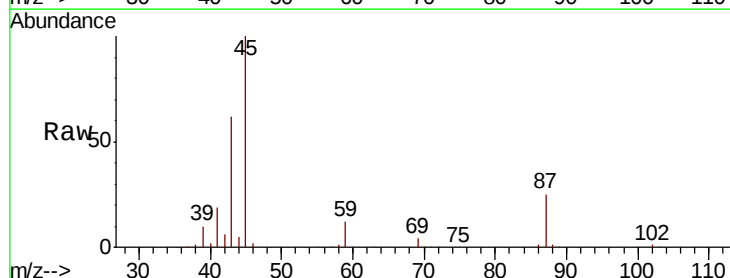
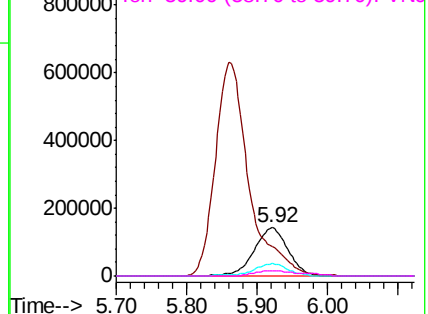
Abundance

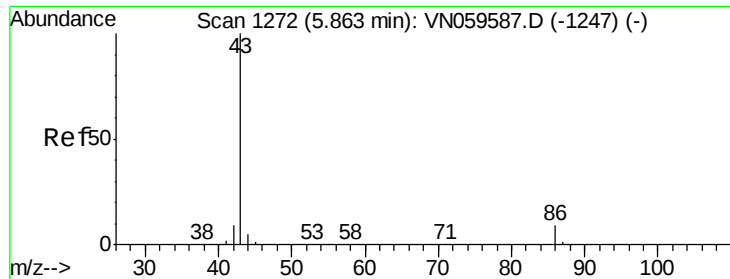
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





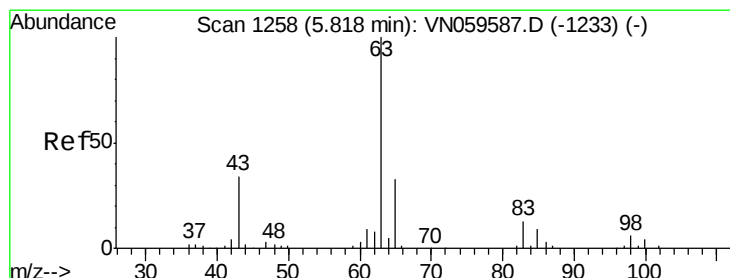
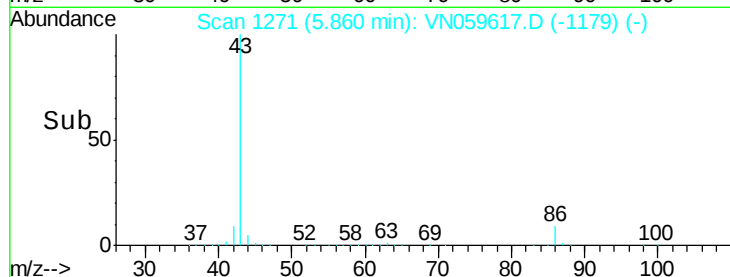
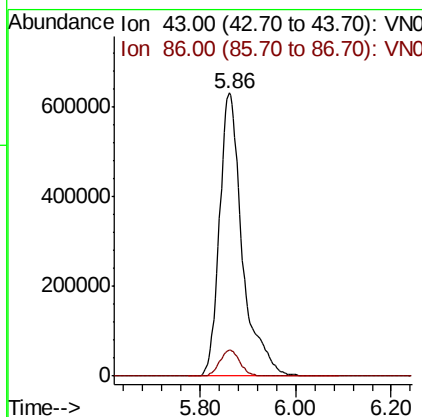
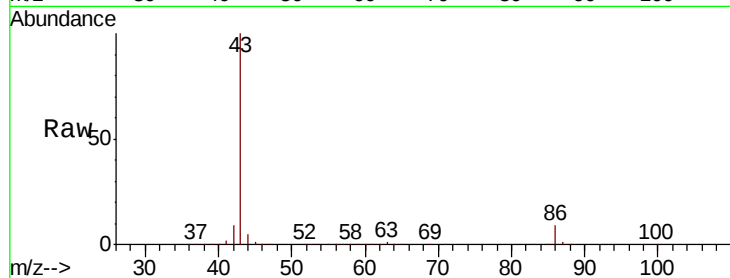
#23
 Vinyl Acetate
 Concen: 283.959 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2099575
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.6 11.4

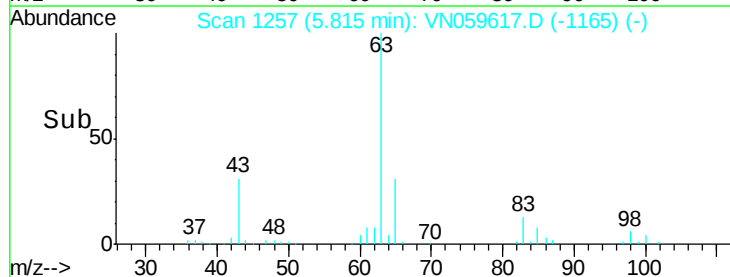
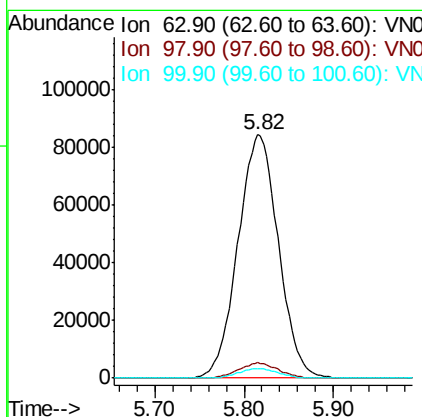
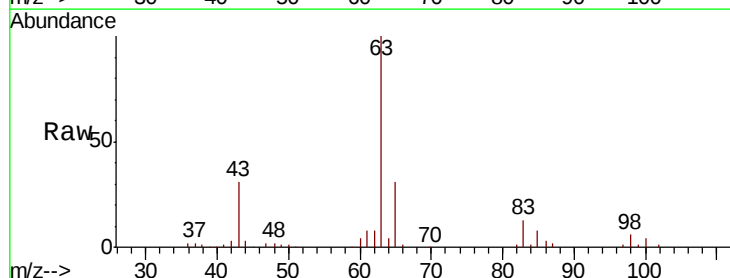
Manual Integrations
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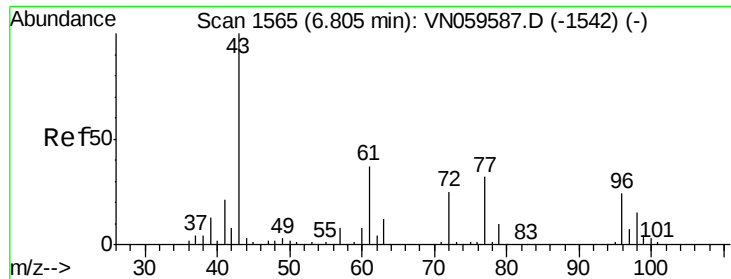
apatel
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#24
 1,1-Dichloroethane
 Concen: 49.921 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion: 63 Resp: 266433
 Ion Ratio Lower Upper
 63 100
 98 6.4 2.9 8.7
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 217.209 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 532611

Ion Ratio Lower Upper

43 100

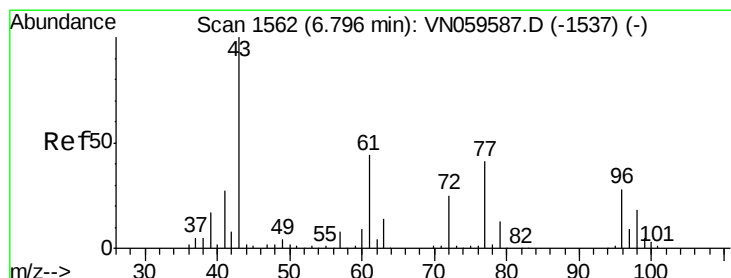
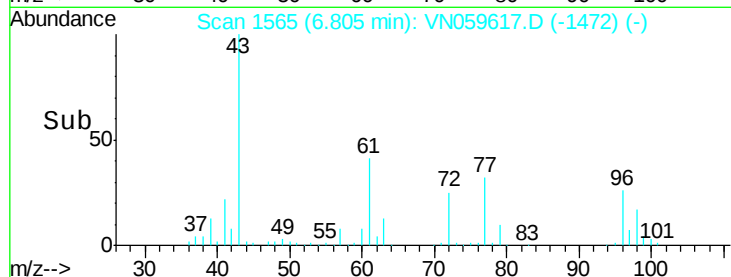
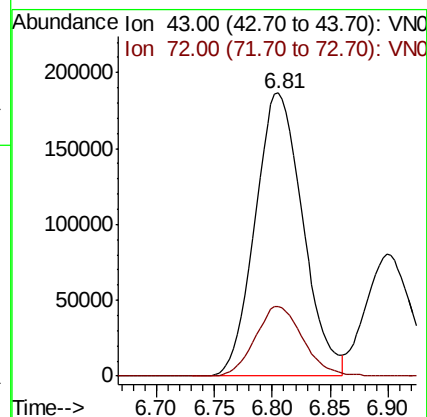
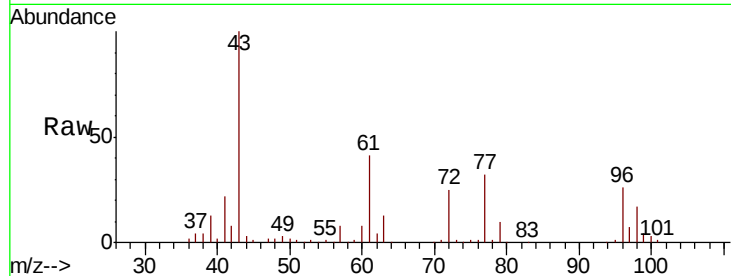
72 24.7 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.727 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059617.D

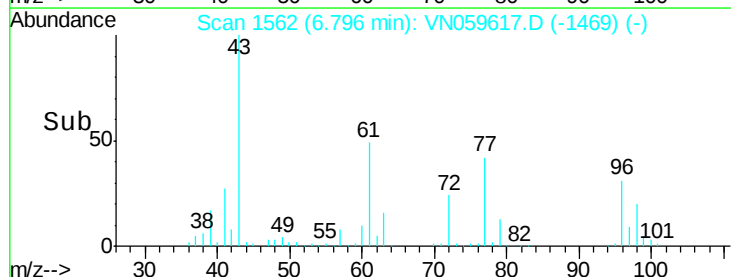
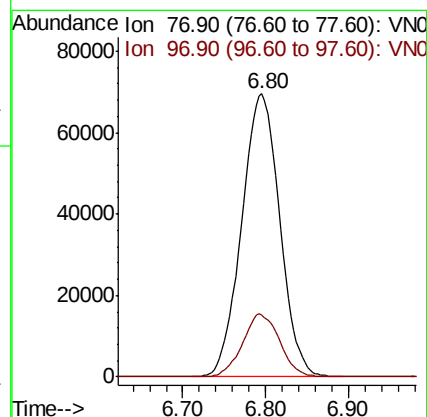
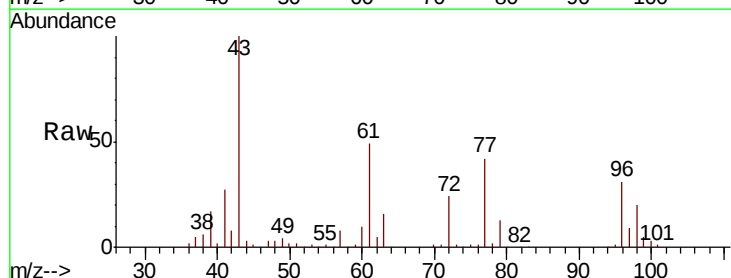
Acq: 16 Dec 2019 20:41

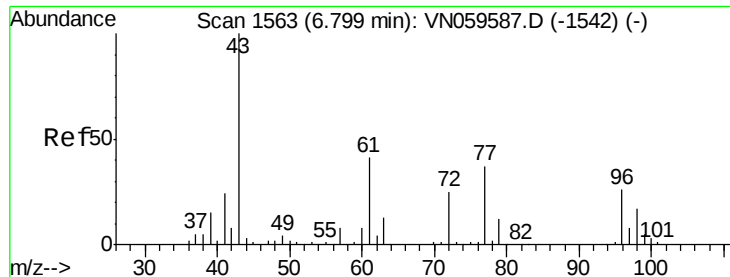
Tgt Ion: 77 Resp: 221807

Ion Ratio Lower Upper

77 100

97 21.8 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 49.302 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

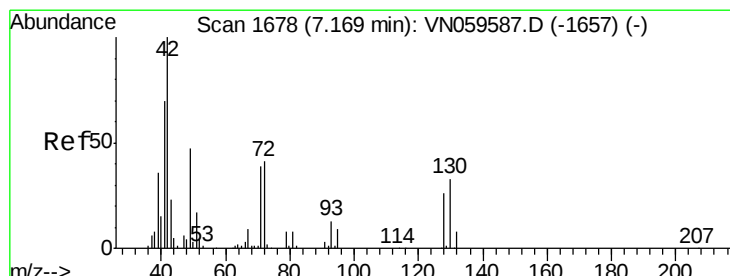
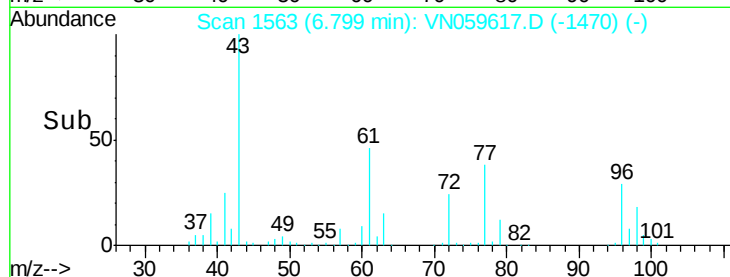
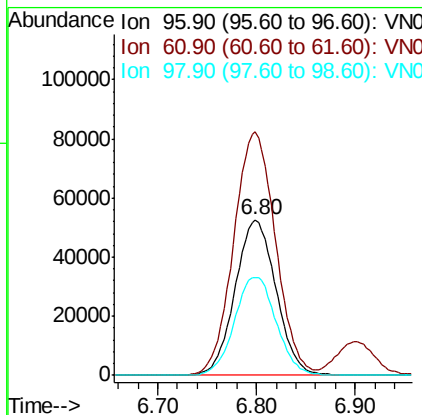
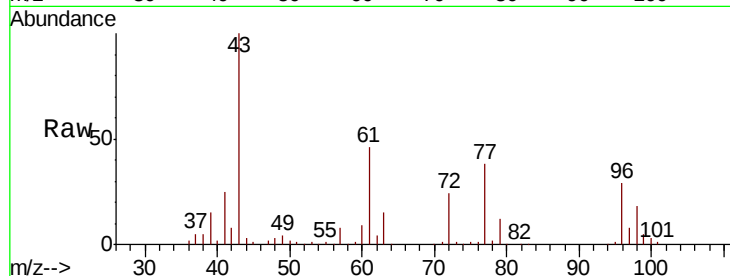
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	151616
Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	317.6
98	64.2	0.0	127.0

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#28

Bromochloromethane

Concen: 49.108 ug/l

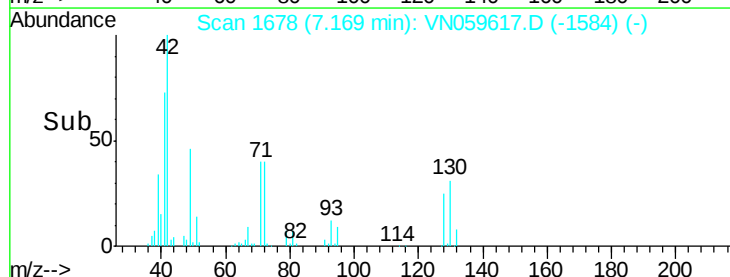
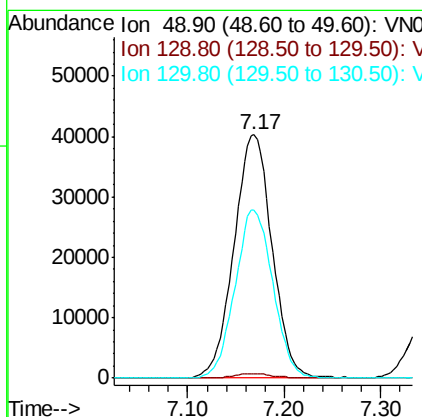
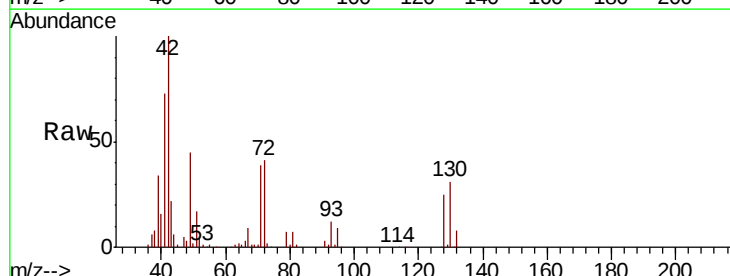
RT: 7.17 min Scan# 1678

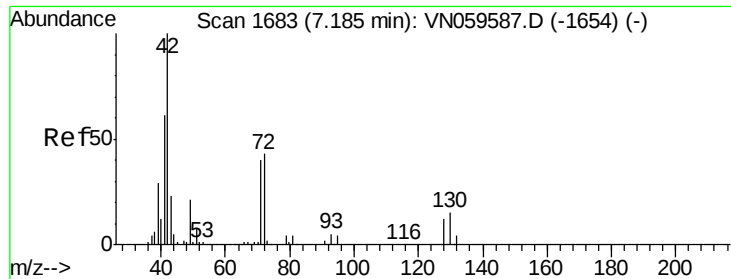
Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Tgt Ion:	49	Resp:	110114
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.6	54.7	82.1





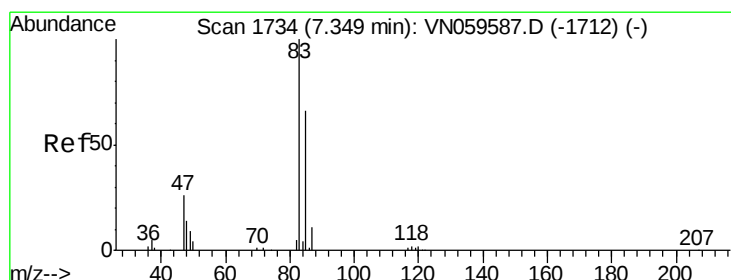
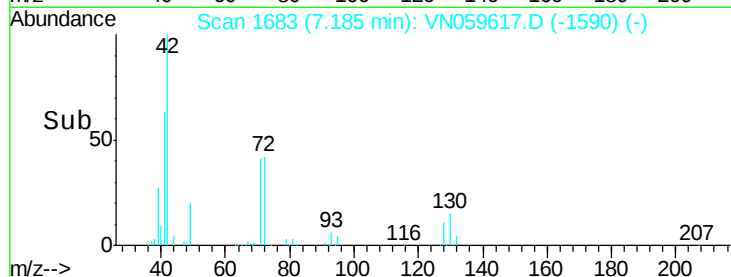
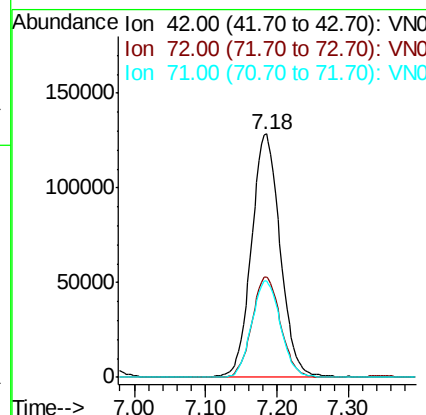
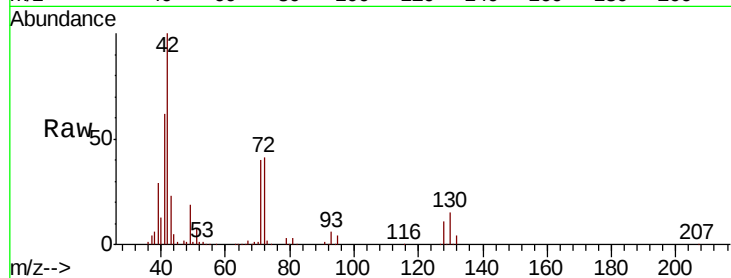
#29
Tetrahydrofuran
Concen: 241.398 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	33.1	49.7
71	39.5	31.4	47.0

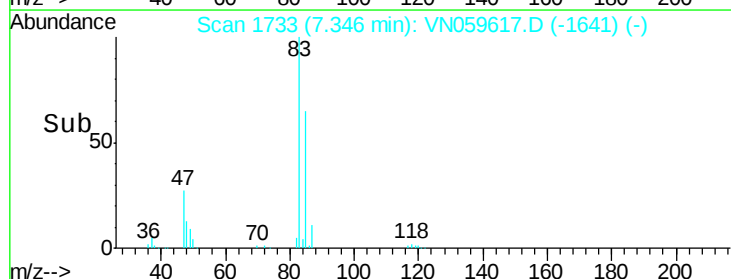
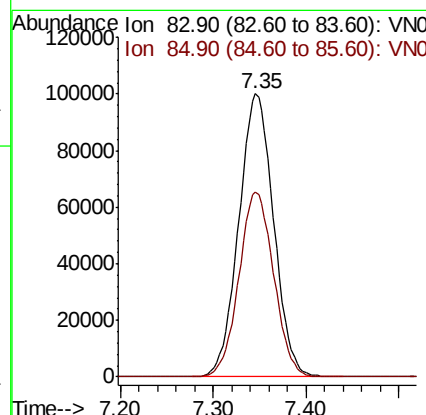
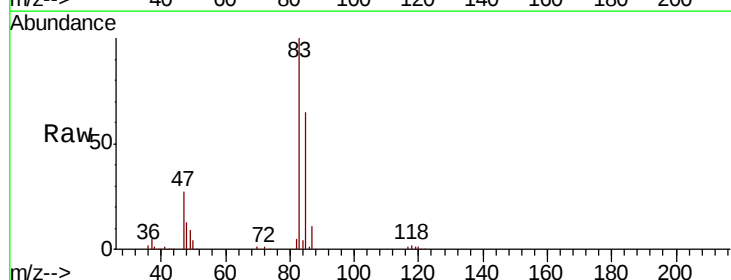
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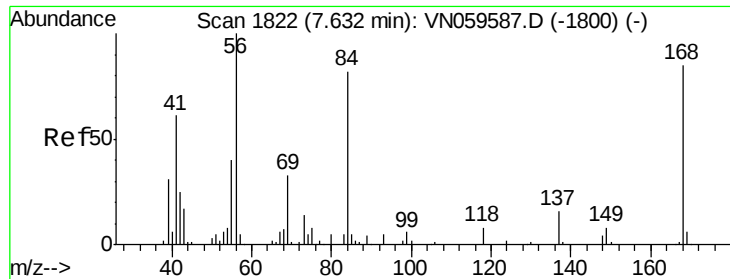
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#30
Chloroform
Concen: 49.631 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.4	78.6





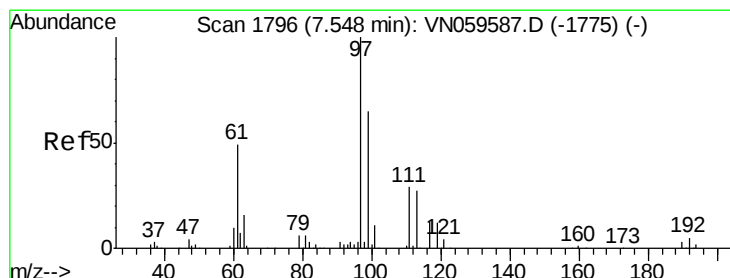
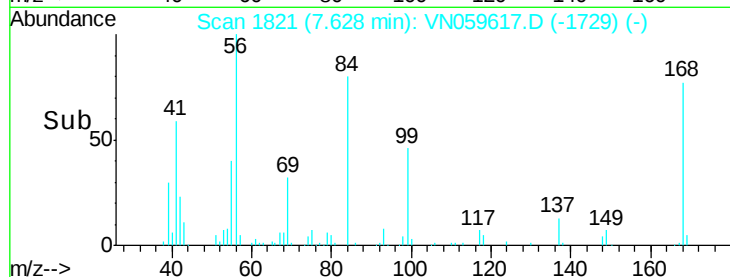
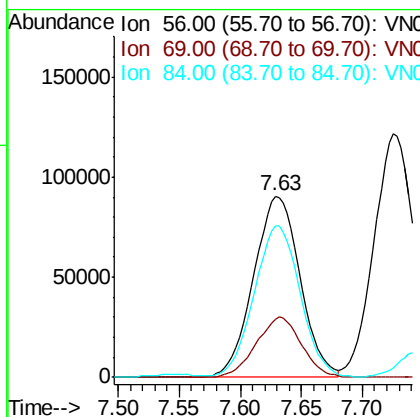
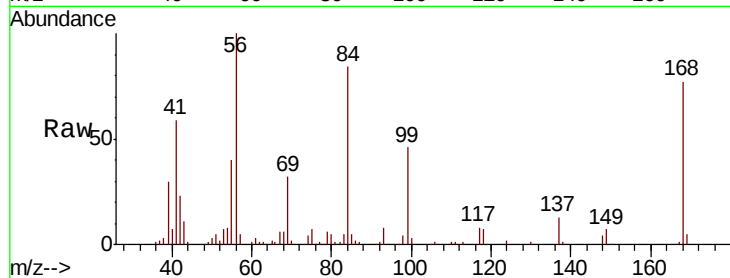
#31
Cyclohexane
Concen: 47.560 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.1	26.5	39.7
84	82.5	65.3	97.9

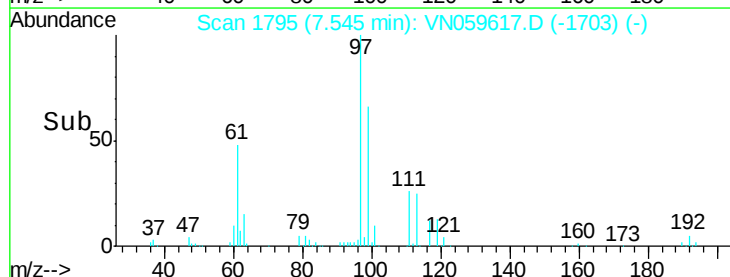
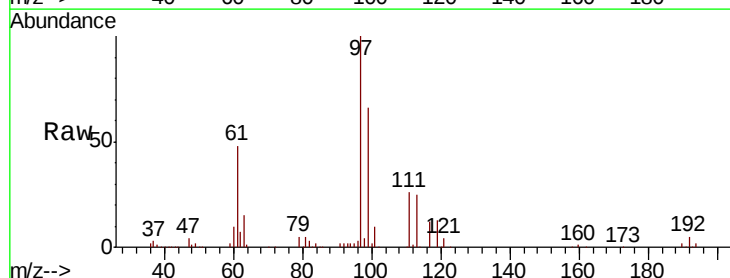
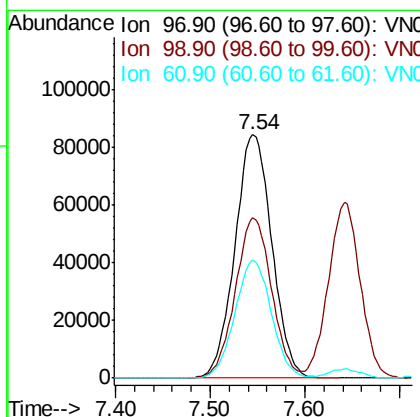
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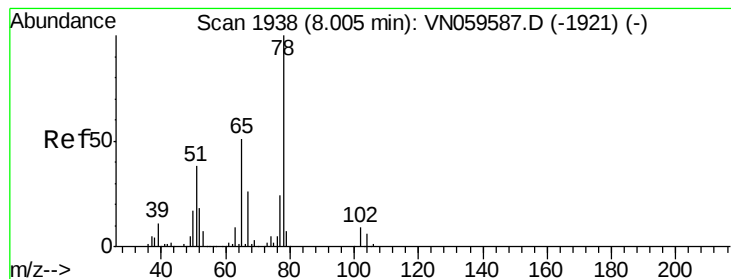
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#32
1,1,1-Trichloroethane
Concen: 48.412 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	47.7	38.5	57.7





#33

1,2-Dichloroethane-d4

Concen: 49.440 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 170755

Ion Ratio Lower Upper

65 100

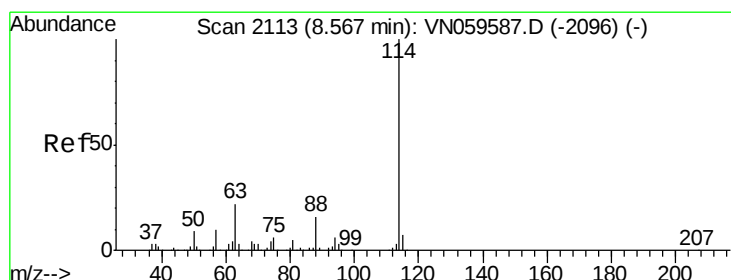
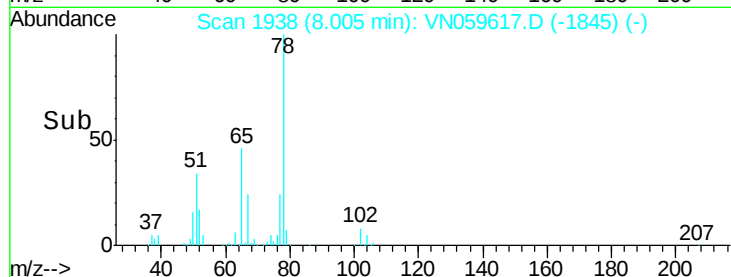
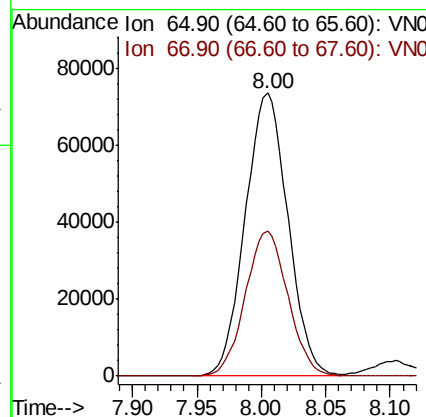
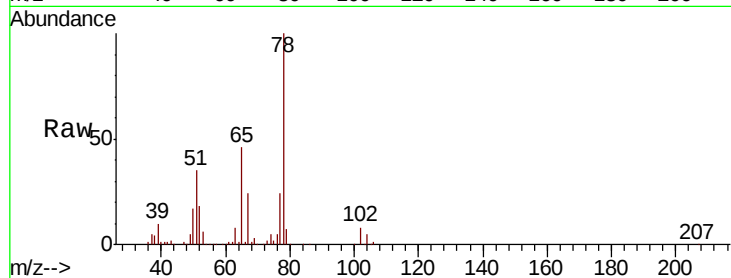
67 51.0 0.0 103.0

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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: VN059617.D

Acq: 16 Dec 2019 20:41

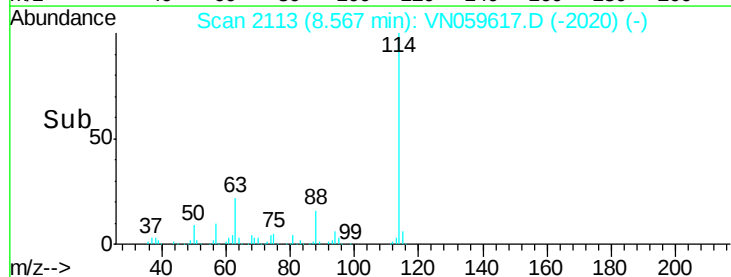
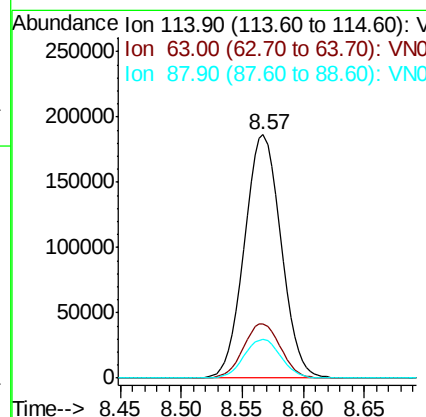
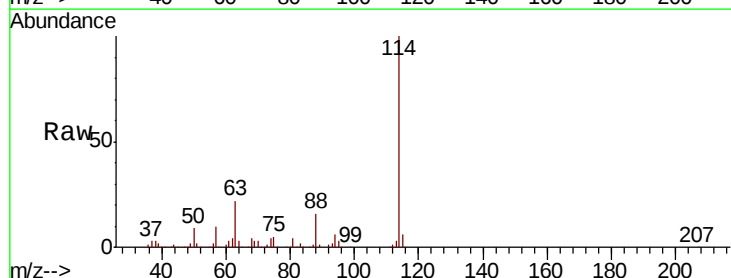
Tgt Ion: 114 Resp: 386953

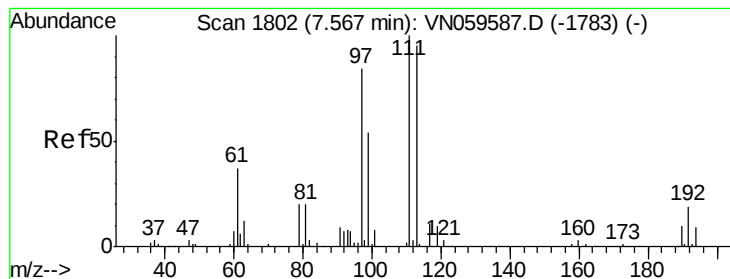
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.6

88 15.9 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.144 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 118984

Ion Ratio Lower Upper

113 100

111 103.2 83.5 125.3

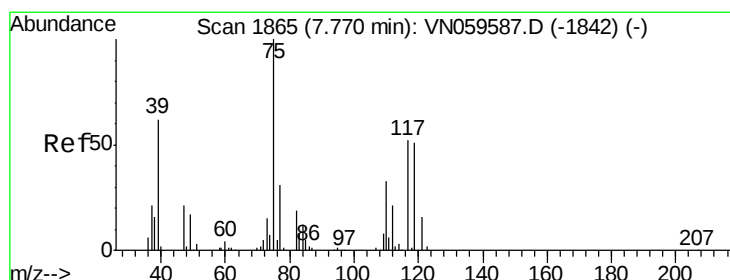
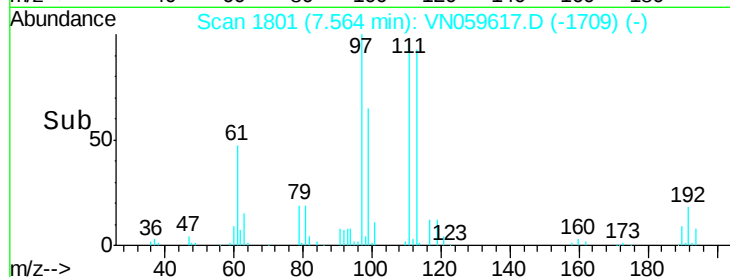
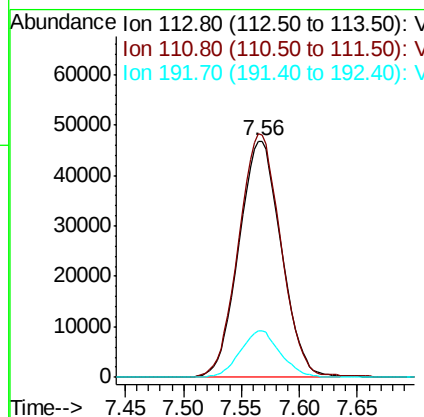
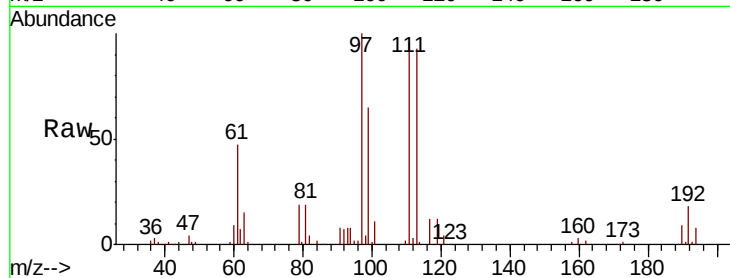
192 18.6 15.4 23.2

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#36

1,1-Dichloropropene

Concen: 49.316 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

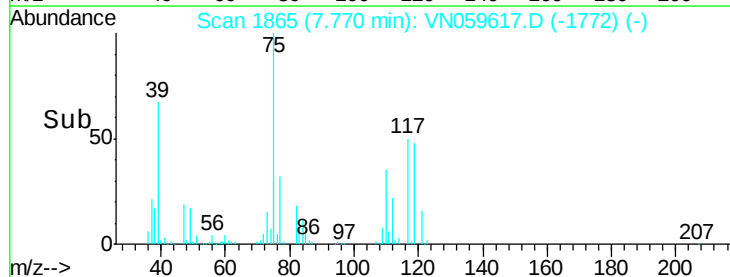
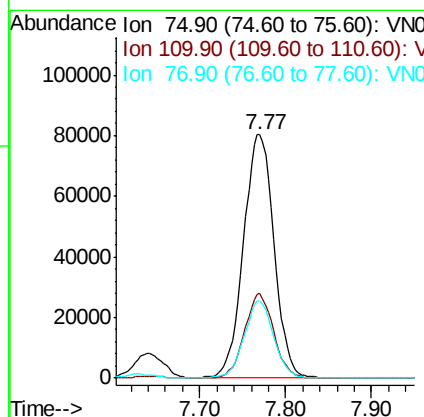
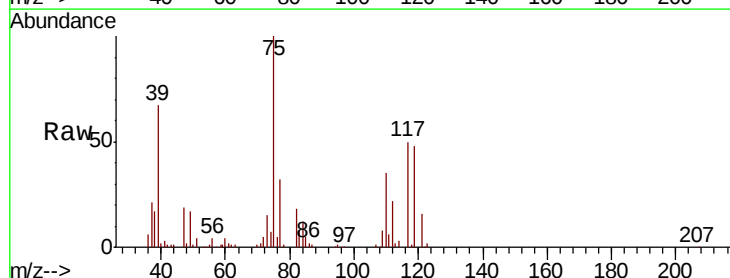
Tgt Ion: 75 Resp: 199008

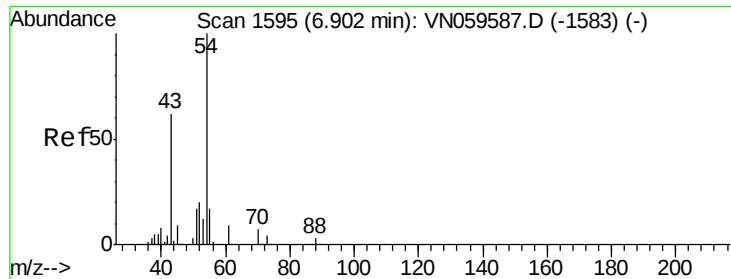
Ion Ratio Lower Upper

75 100

110 32.9 16.6 49.7

77 30.7 25.1 37.7





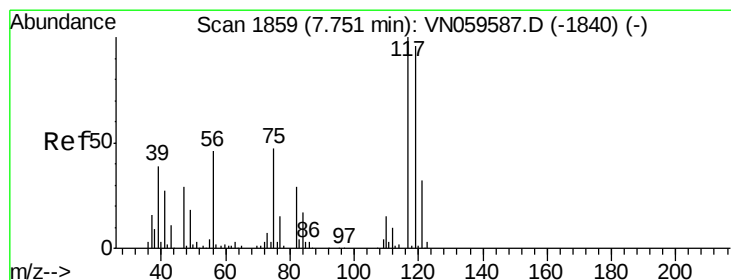
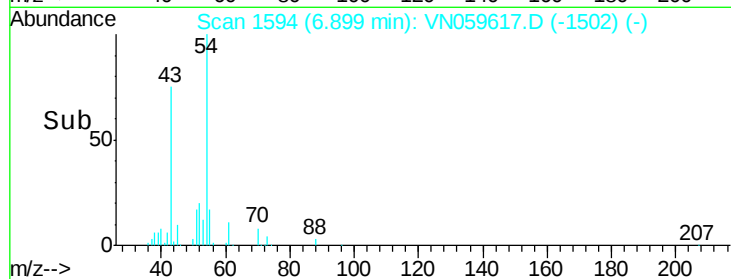
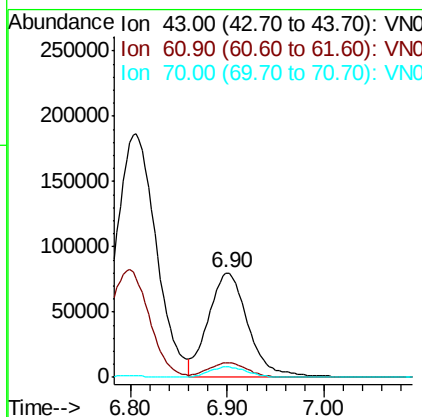
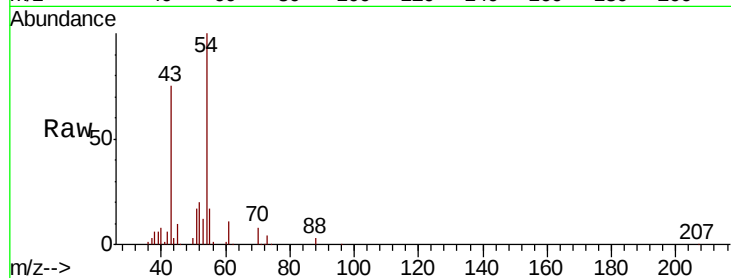
#37
Ethyl Acetate
Concen: 48.005 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	10.9	16.3
70	9.8	7.7	11.5

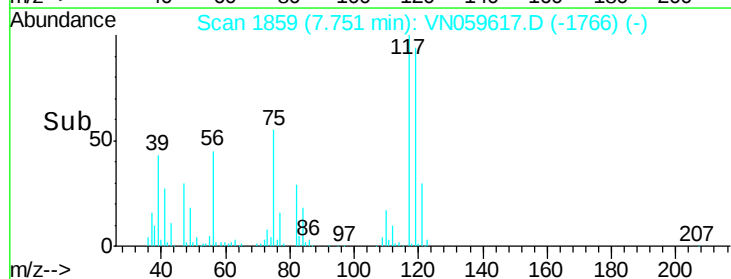
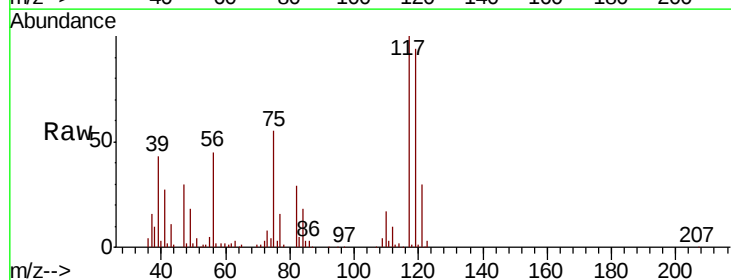
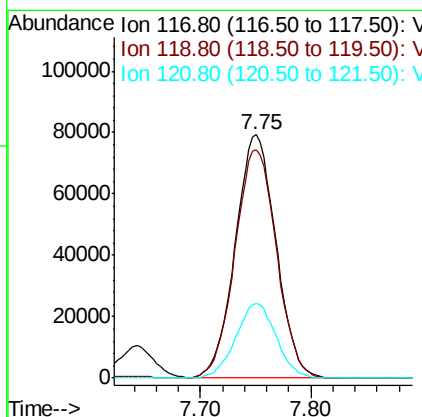
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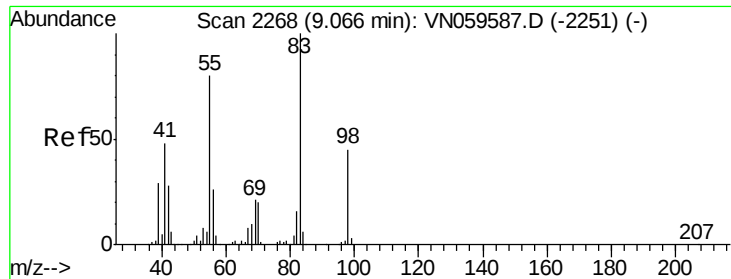
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#38
Carbon Tetrachloride
Concen: 48.379 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	76.5	114.7
121	30.5	25.1	37.7





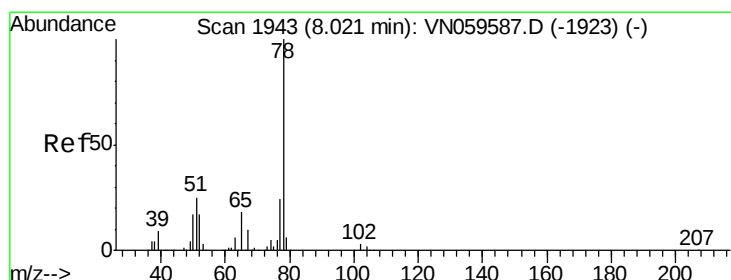
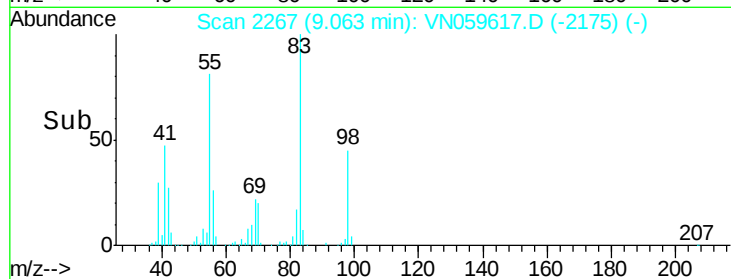
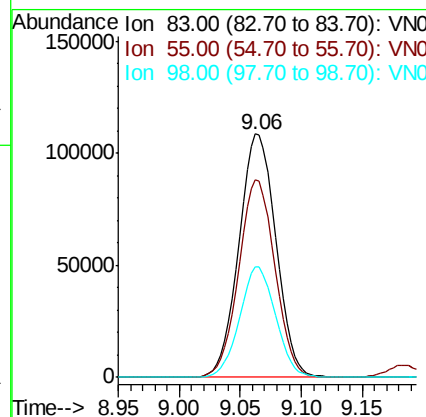
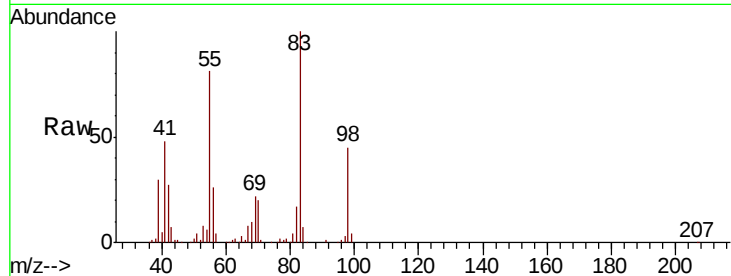
#39
Methvlcvclohexane
Concen: 49.763 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	227777		
55	81.2	64.2	96.2	
98	45.4	35.9	53.9	

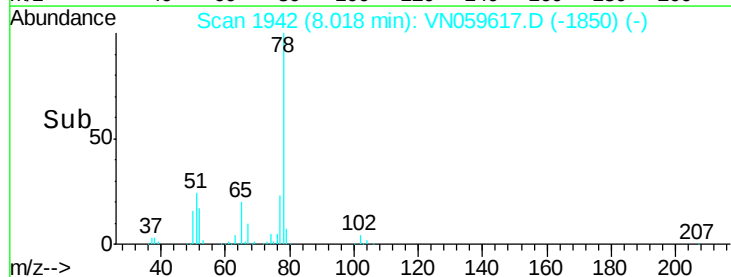
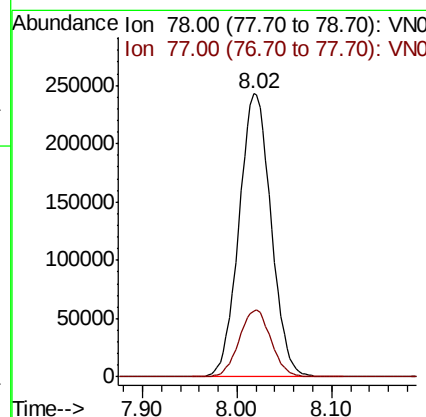
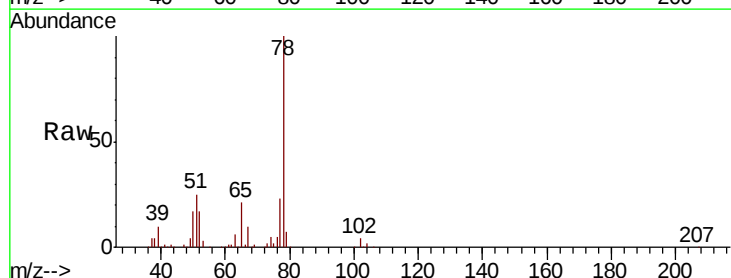
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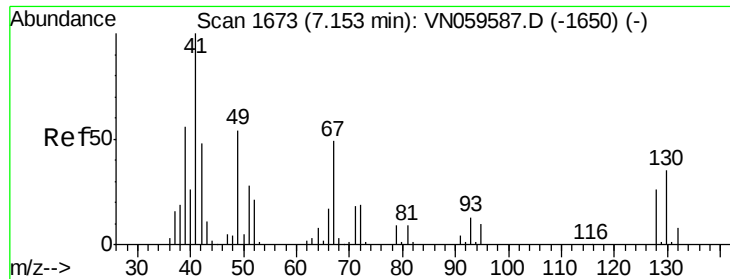
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#40
Benzene
Concen: 48.441 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	571255		
77	23.4	18.9	28.3	





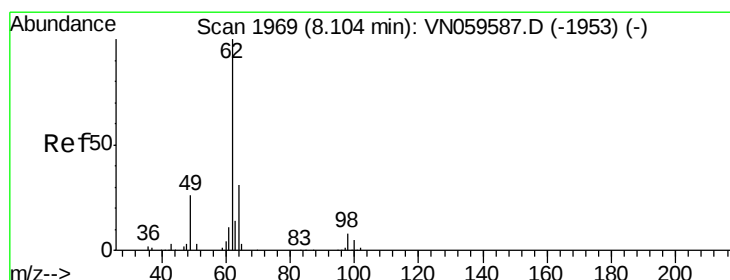
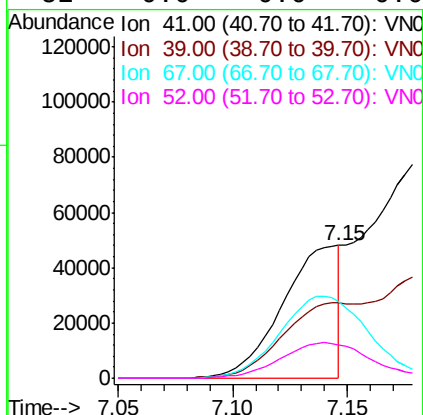
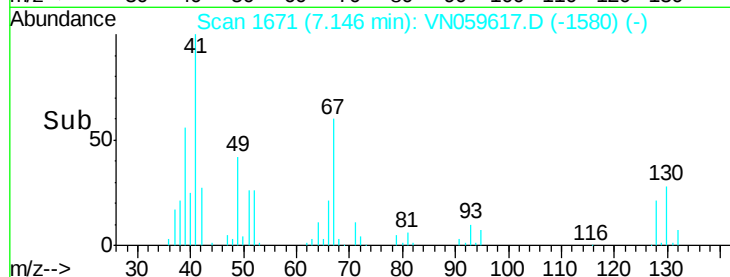
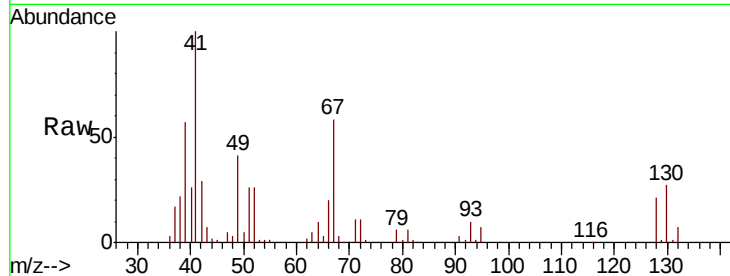
#41
Methacrylonitrile
Concen: 43.063 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	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	

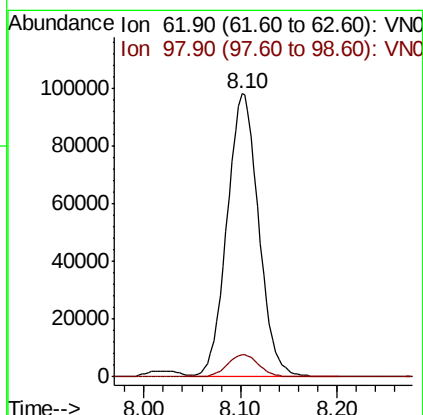
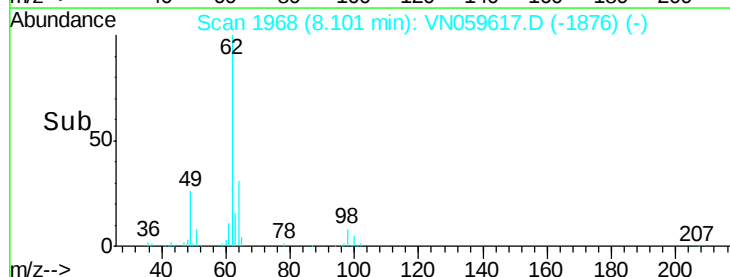
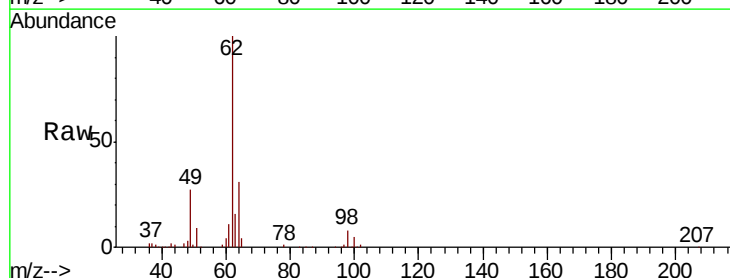
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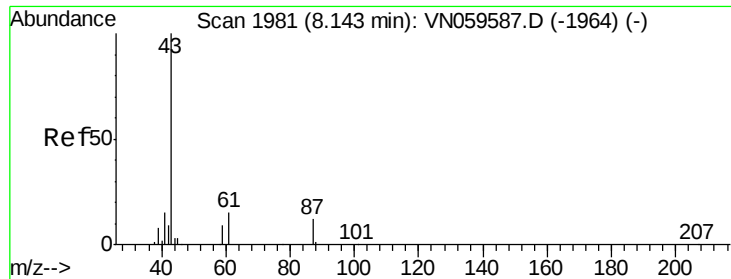
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#42
1,2-Dichloroethane
Concen: 49.534 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	0.0	15.8	





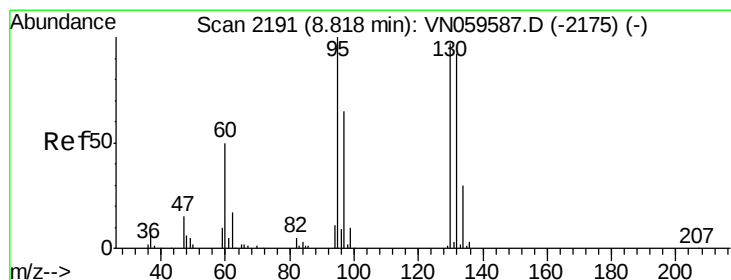
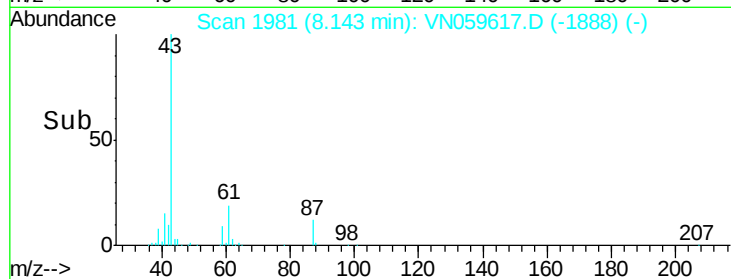
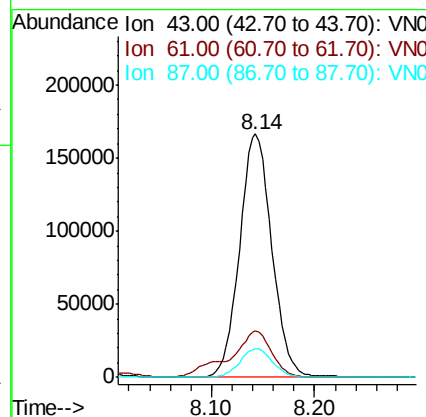
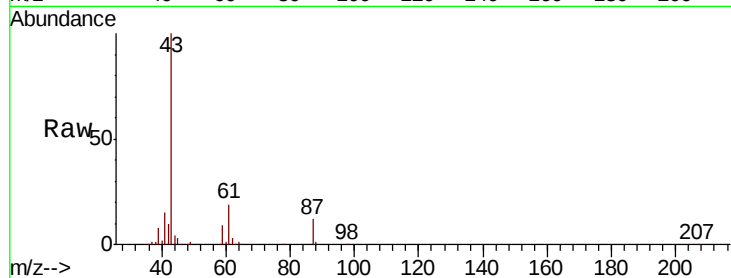
#43
Isopropyl Acetate
Concen: 49.511 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

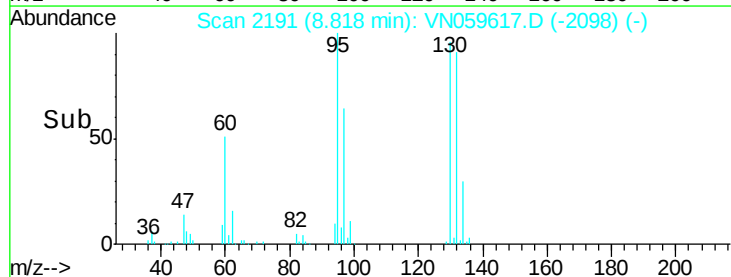
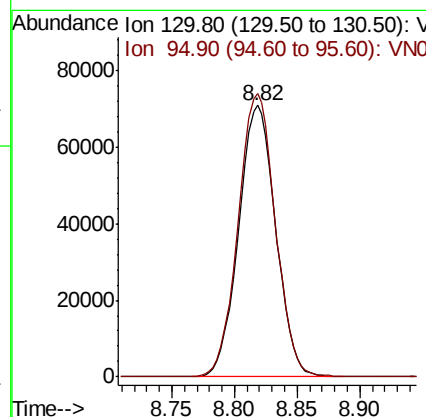
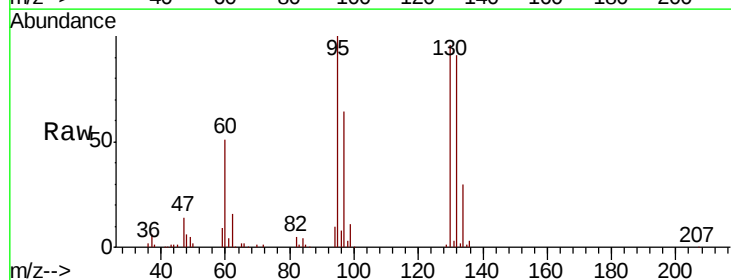
Manual Integrations
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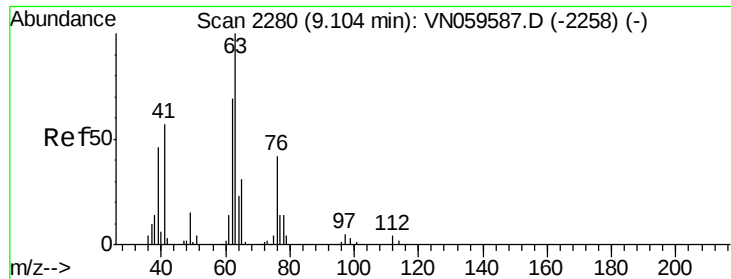
apatel
12/17/2019 12:51:25 PM



#44
Trichloroethene
Concen: 46.983 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	207.0





#45

1,2-Dichloropropane

Concen: 49.214 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 156723

Ion Ratio Lower Upper

63 100

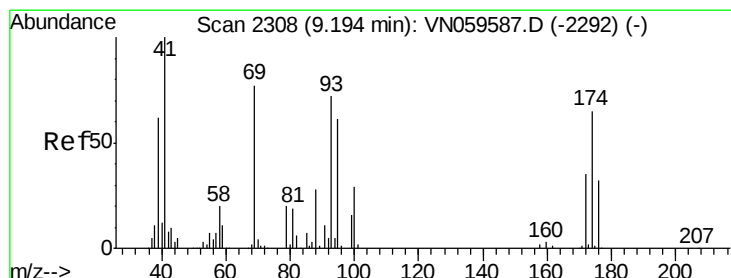
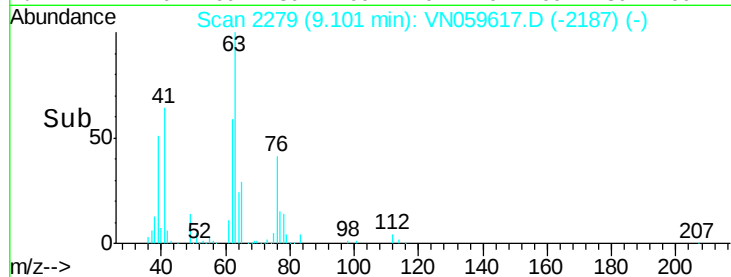
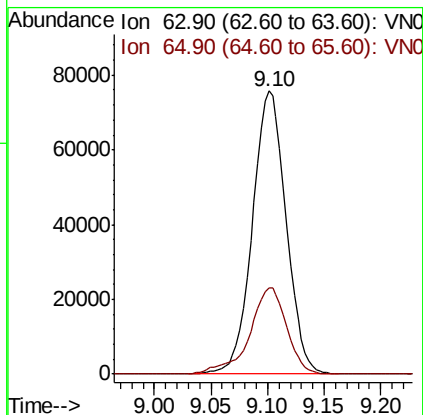
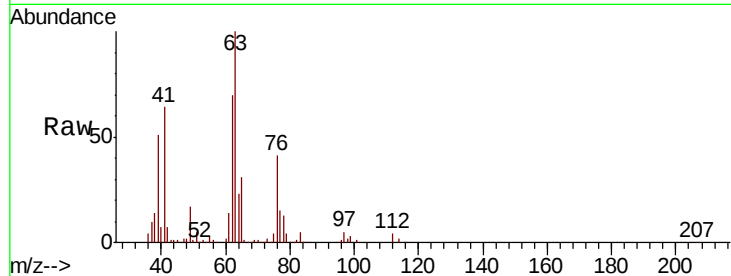
65 30.5 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 49.464 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

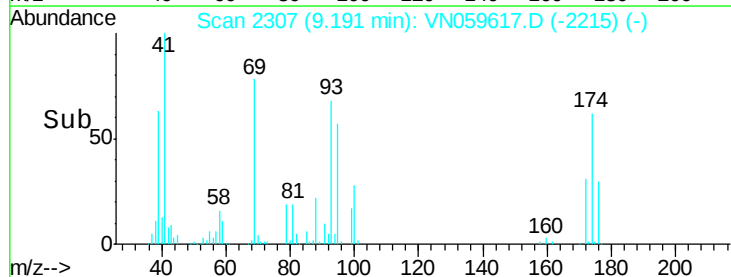
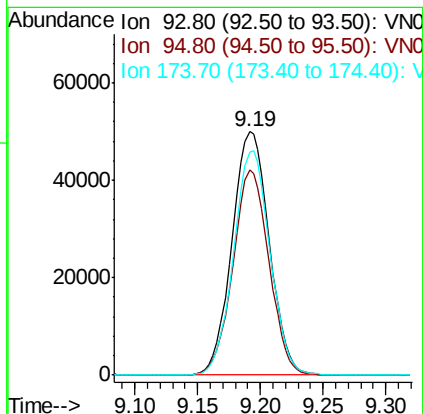
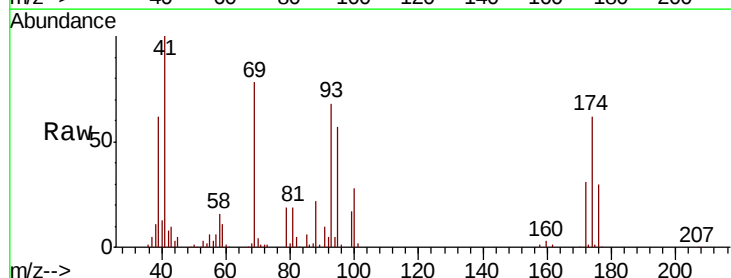
Tgt Ion: 93 Resp: 103198

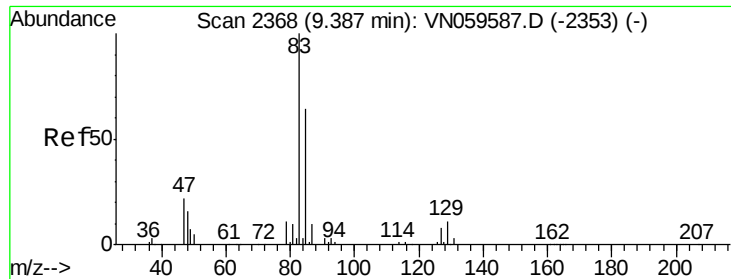
Ion Ratio Lower Upper

93 100

95 81.6 67.0 100.6

174 90.0 73.4 110.2





#47

Bromodichloromethane

Concen: 50.390 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

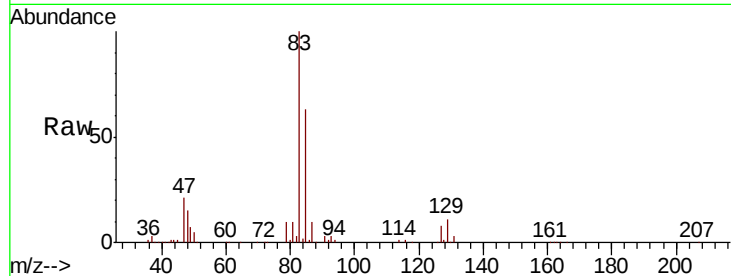
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	209603
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.1	76.7
127	8.2	6.6	9.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN059587.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN059587.D (-2353) (-)

9.39

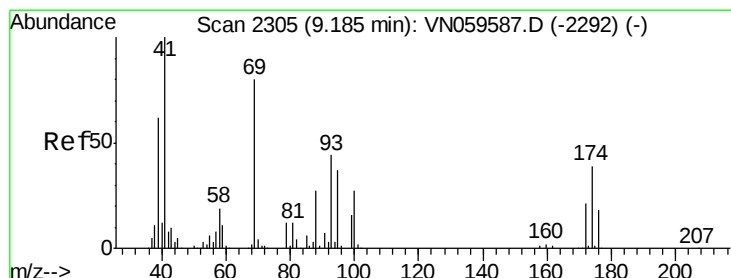
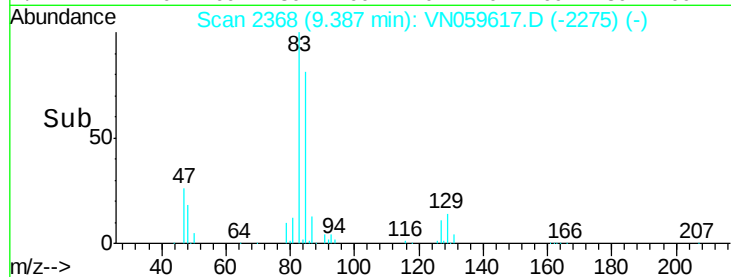
100000

50000

0

9.30 9.35 9.40 9.45 9.50

Time-->



#48

Methyl methacrylate

Concen: 50.499 ug/l

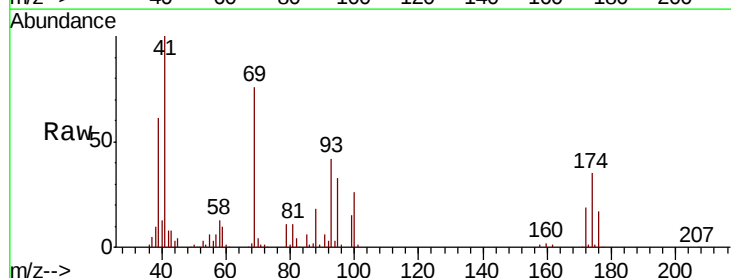
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Tgt Ion:	41	Resp:	167069
Ion Ratio	Lower	Upper	
41	100		
69	76.3	64.4	96.6
39	61.3	51.3	76.9



Abundance Ion 41.00 (40.70 to 41.70): VN059587.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN059587.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN059587.D (-2292) (-)

9.18

120000

100000

80000

60000

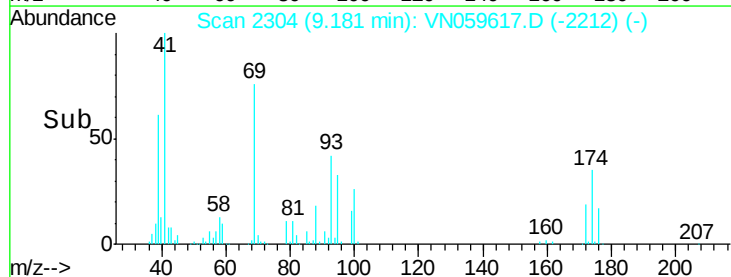
40000

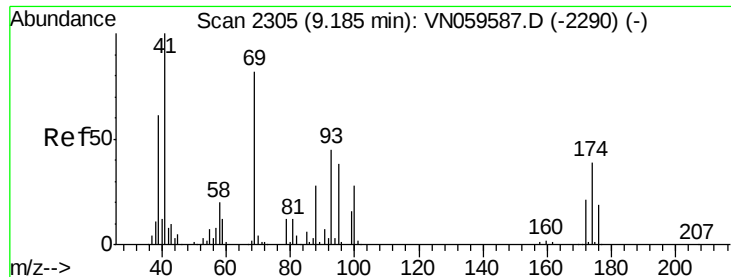
20000

0

9.15 9.20 9.25

Time-->





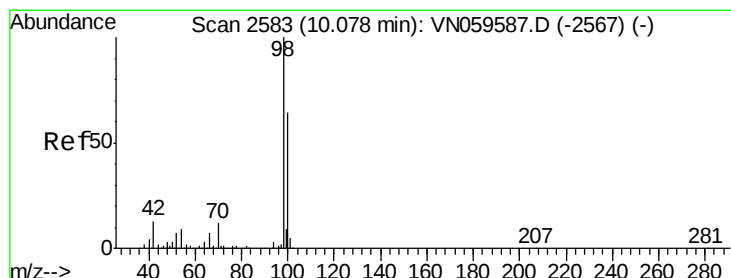
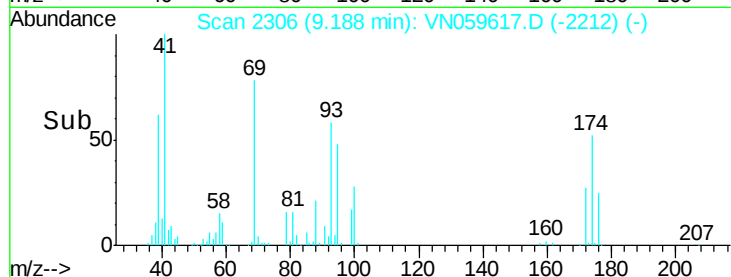
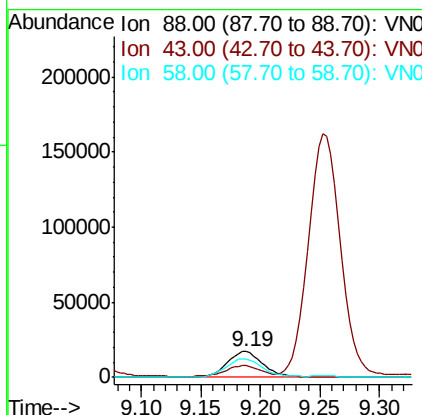
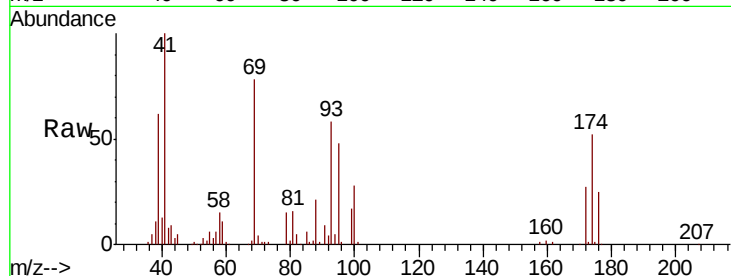
#49
1,4-Dioxane
Concen: 776.284 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.9	29.7	44.5
58	73.1	56.6	85.0

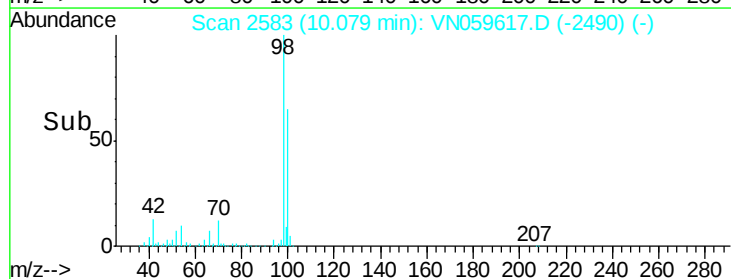
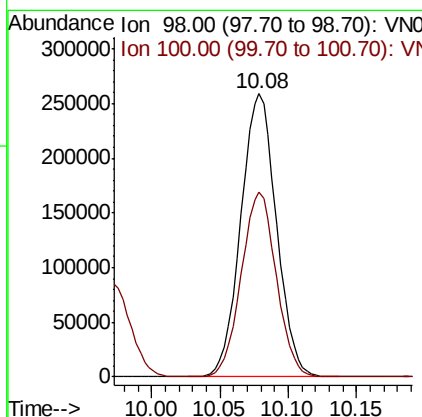
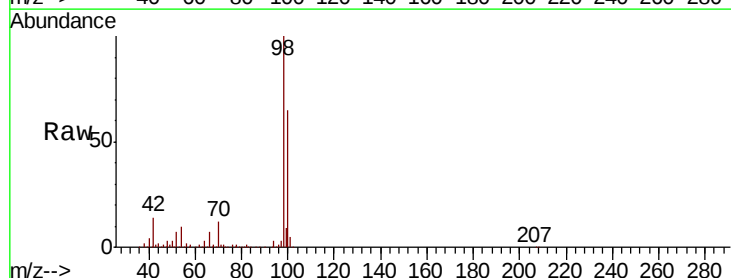
Manual Integrations
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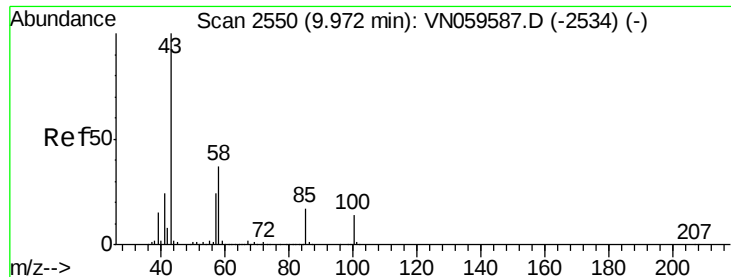
apatel
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#50
Toluene-d8
Concen: 48.895 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.2	76.8





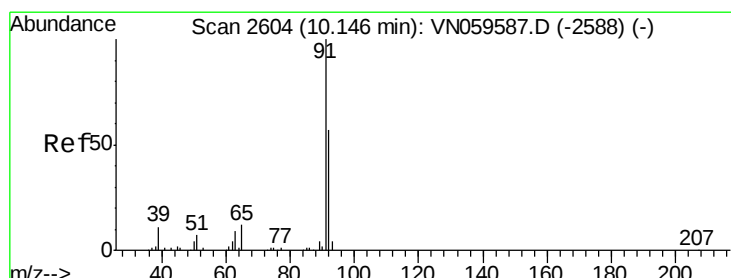
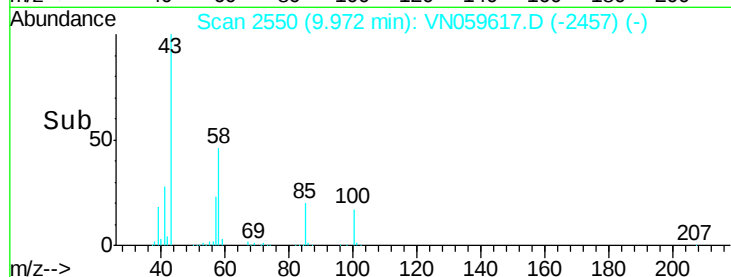
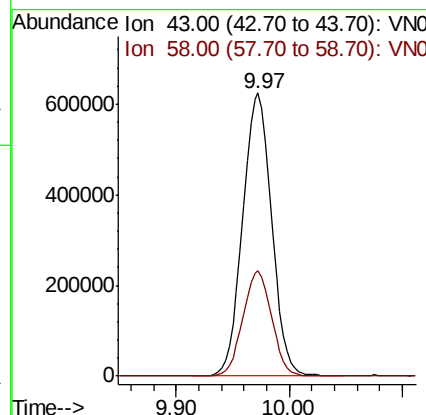
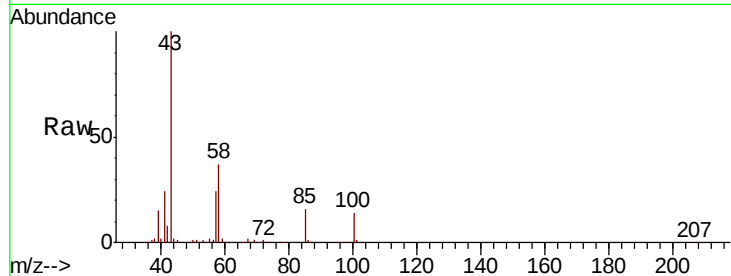
#51
4-Methyl-2-Pentanone
Concen: 255.496 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1110801
Ion Ratio Lower Upper
43 100
58 37.1 29.8 44.8

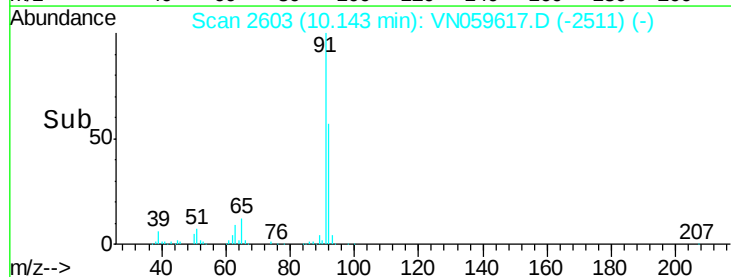
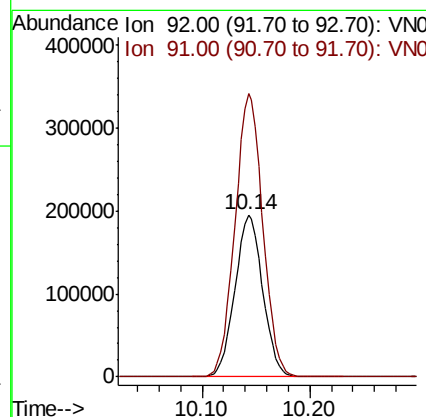
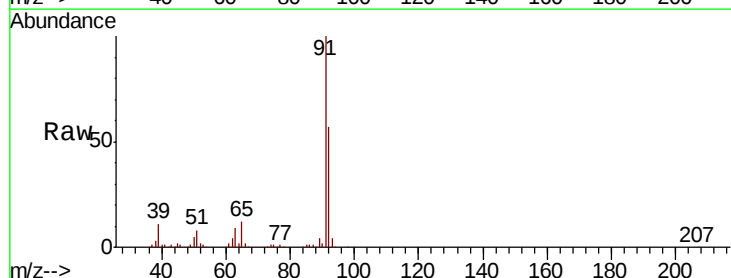
Manual Integrations
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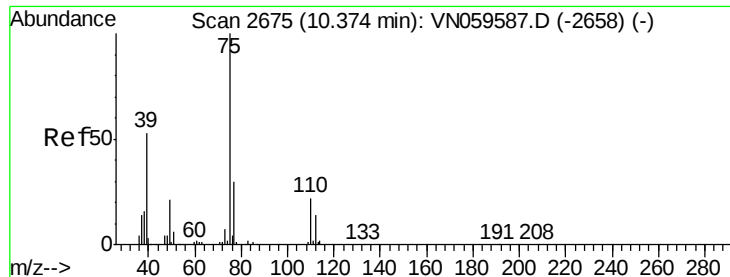
apatel
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#52
Toluene
Concen: 48.309 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion: 92 Resp: 350045
Ion Ratio Lower Upper
92 100
91 175.0 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 49.045 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 235941

Ion Ratio Lower Upper

75 100

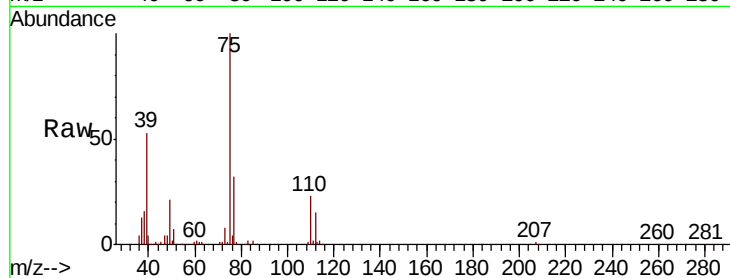
77 31.9 25.4 38.2

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

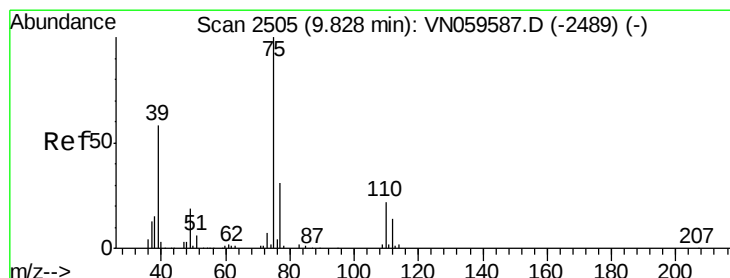
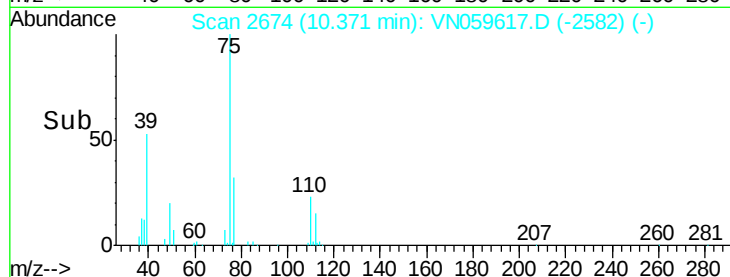
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.337 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

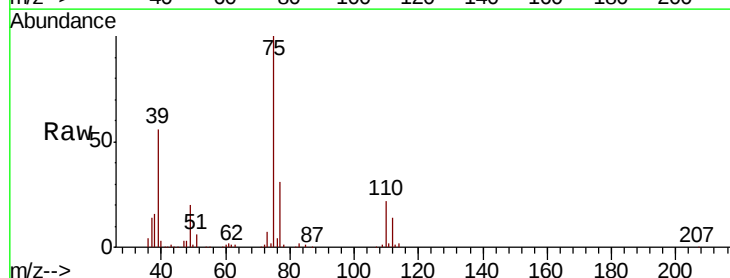
Tgt Ion: 75 Resp: 249489

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 56.0 46.1 69.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

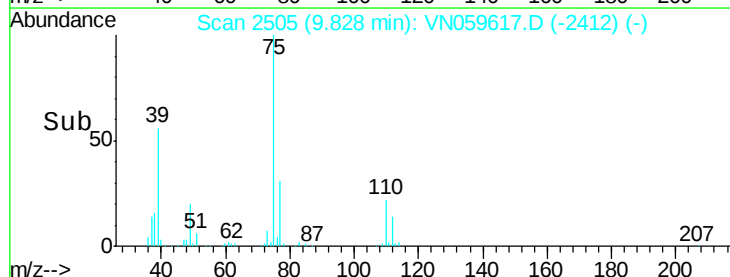
150000

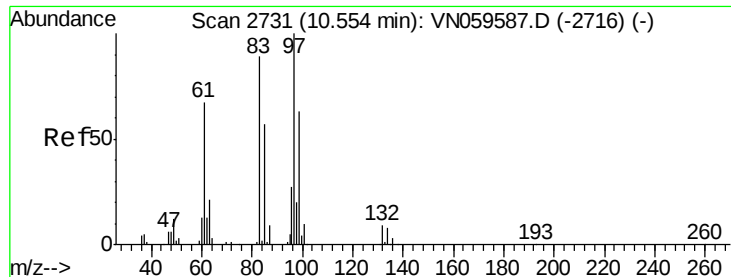
100000

50000

0

Time-->





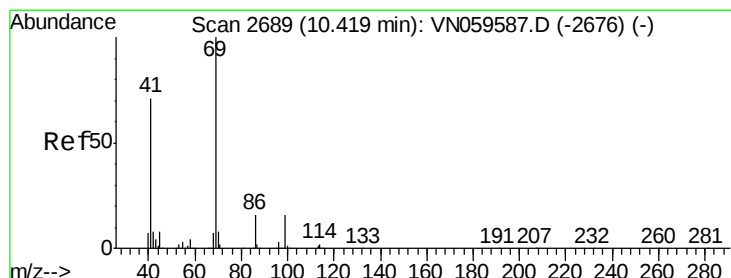
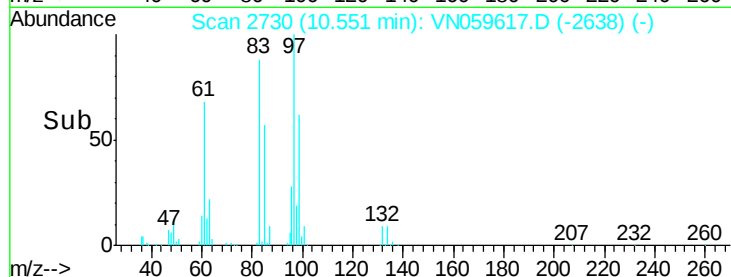
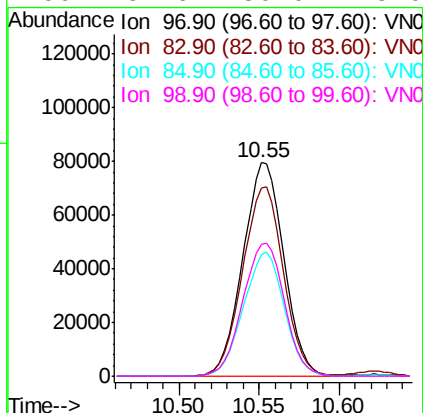
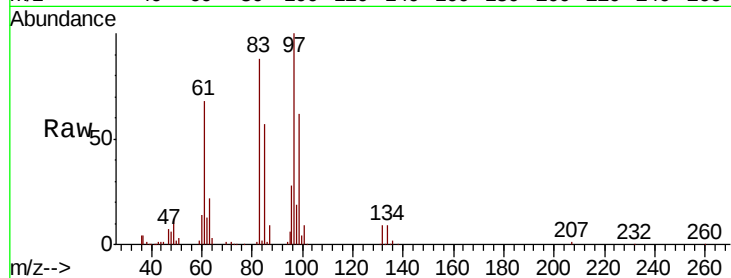
#55
 1,1,2-Trichloroethane
 Concen: 48.972 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	88.3	71.3	106.9	
85	56.8	45.8	68.8	
99	61.6	50.0	75.0	

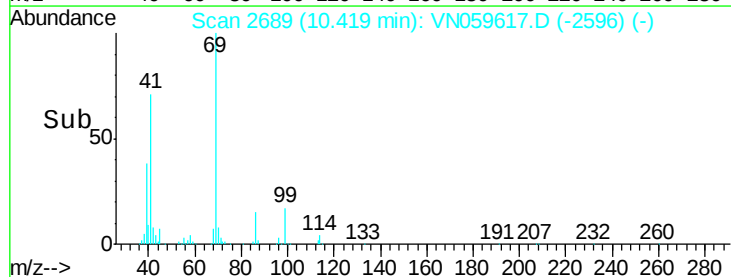
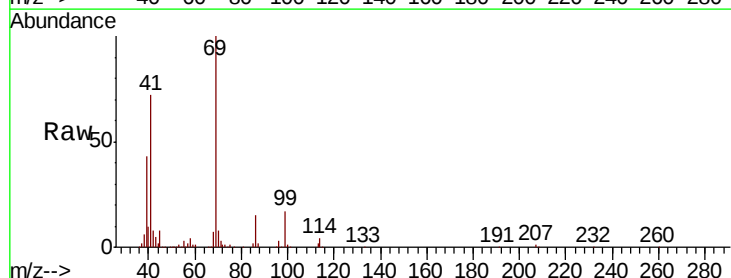
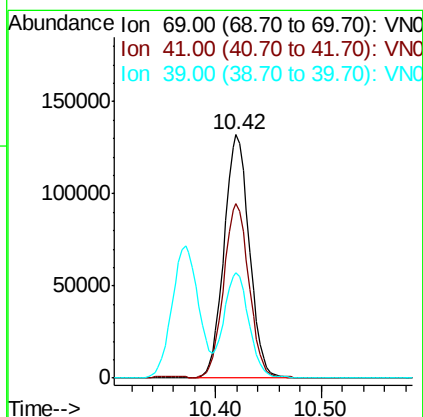
Manual Integrations
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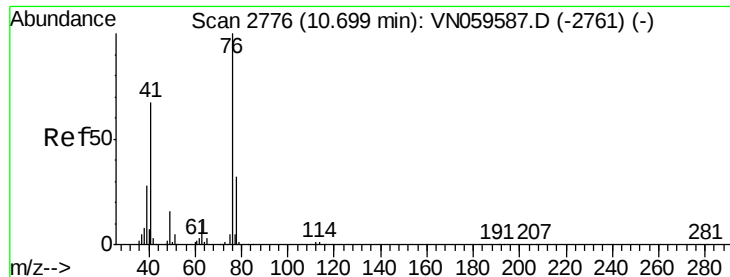
apatel
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#56
 Ethyl methacrylate
 Concen: 51.778 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	71.5	57.1	85.7	
39	42.9	34.7	52.1	





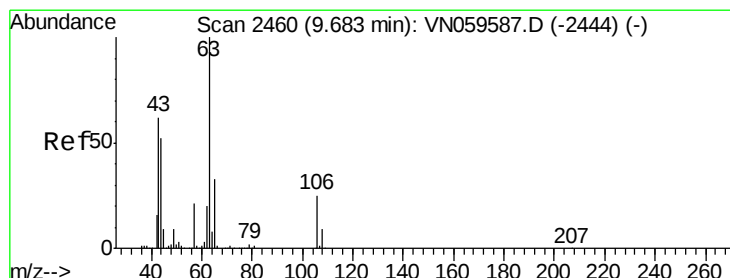
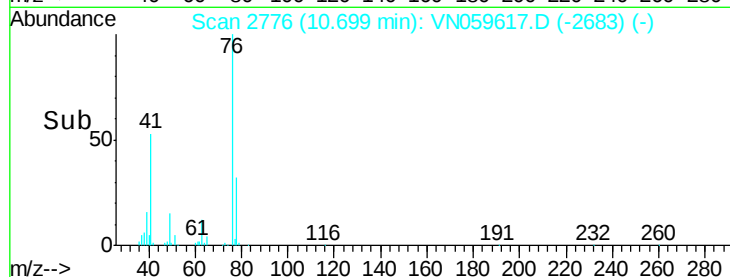
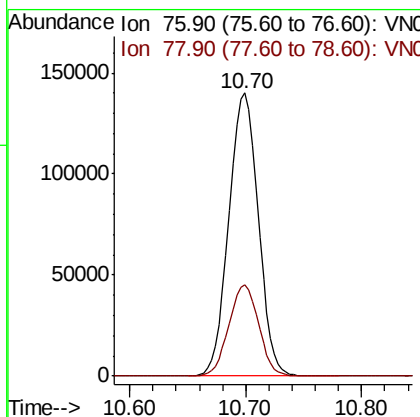
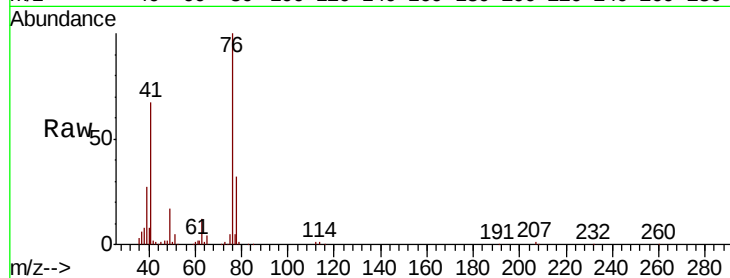
#57
 1,3-Dichloropropane
 Concen: 49.634 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 245723
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.8 38.8

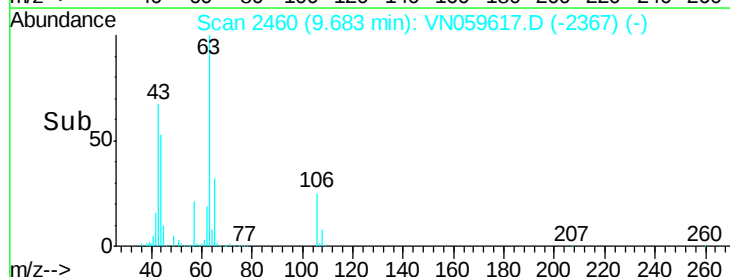
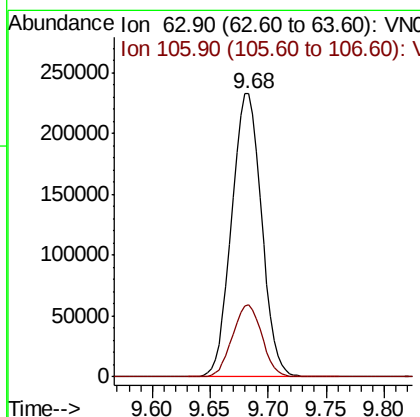
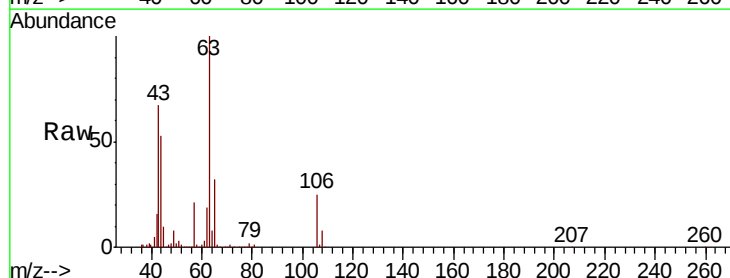
Manual Integrations
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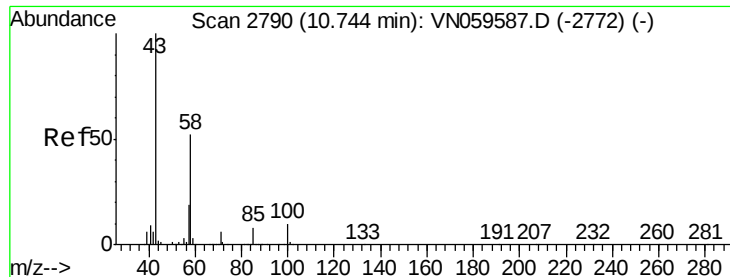
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#58
 2-Chloroethyl Vinyl ether
 Concen: 308.997 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion: 63 Resp: 414816
 Ion Ratio Lower Upper
 63 100
 106 25.1 20.2 30.2





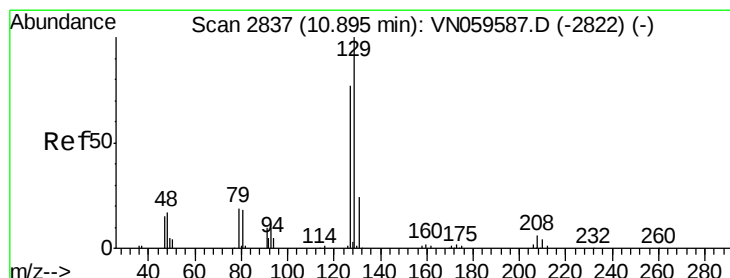
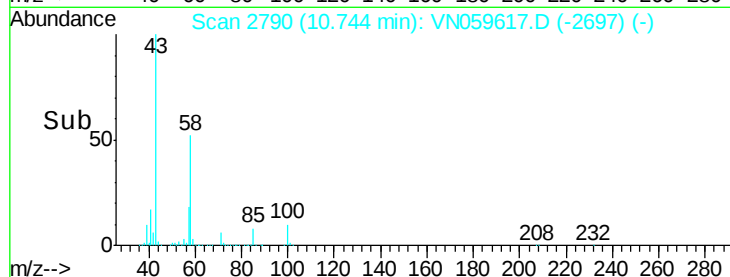
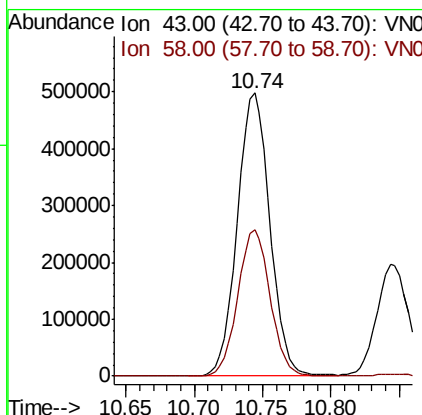
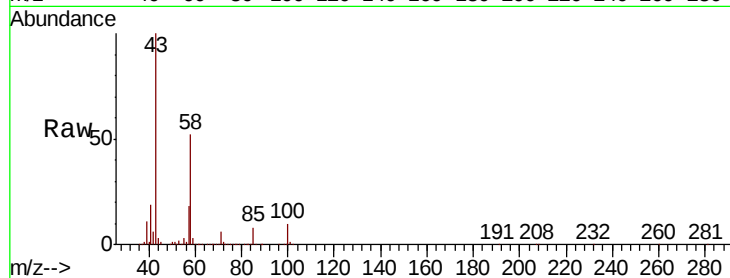
#59
2-Hexanone
Concen: 239.856 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 821866
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3

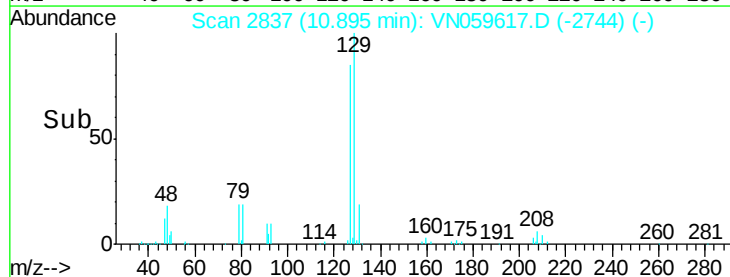
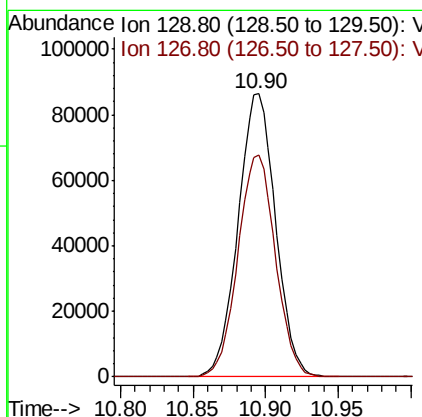
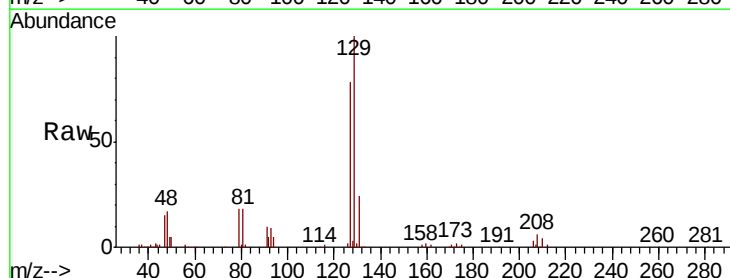
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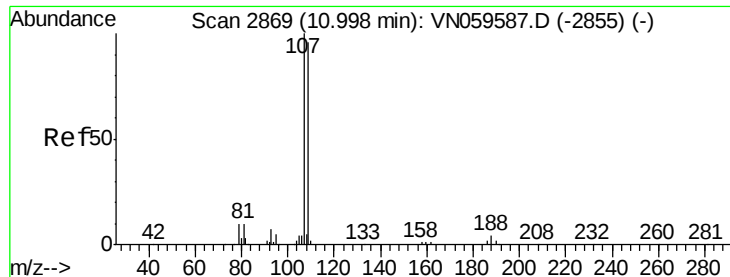
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#60
Dibromochloromethane
Concen: 50.115 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion: 129 Resp: 155520
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





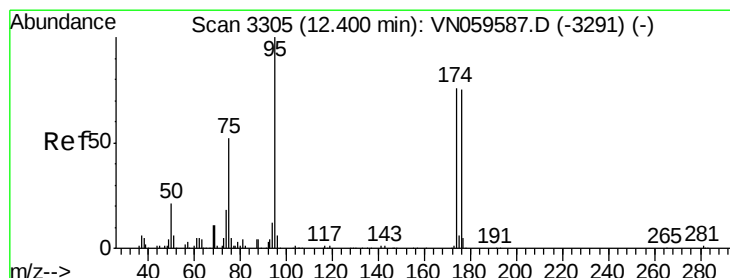
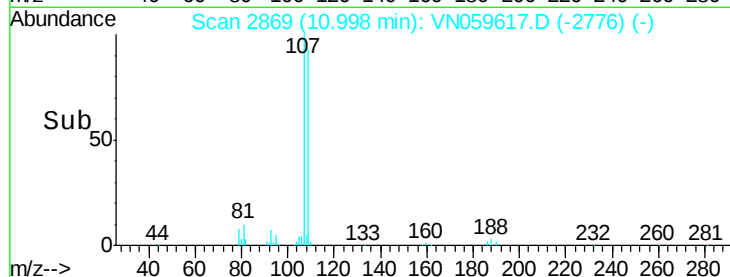
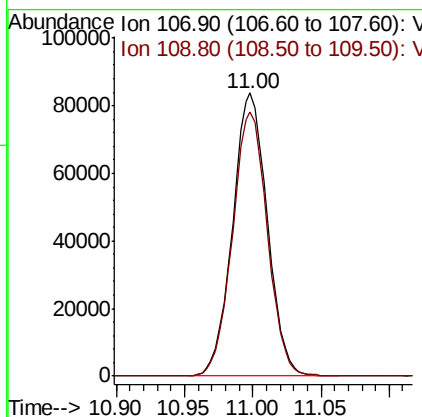
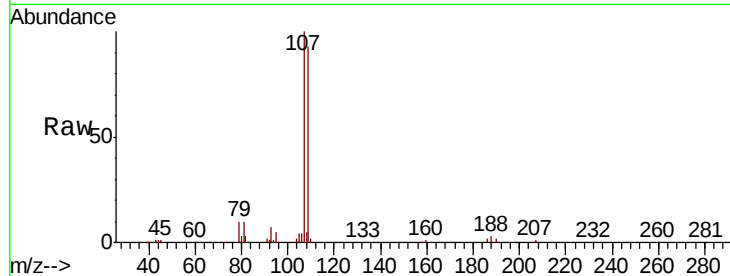
#61
 1,2-Dibromoethane
 Concen: 49.015 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.6	115.0

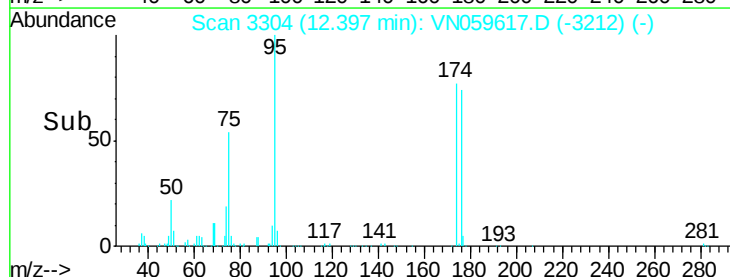
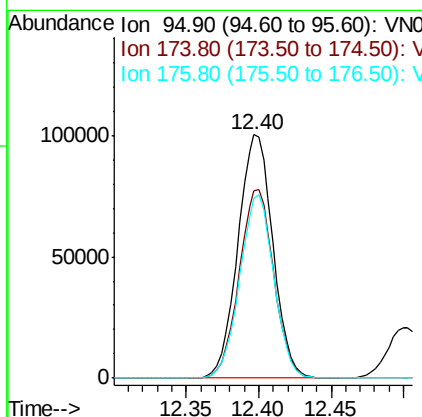
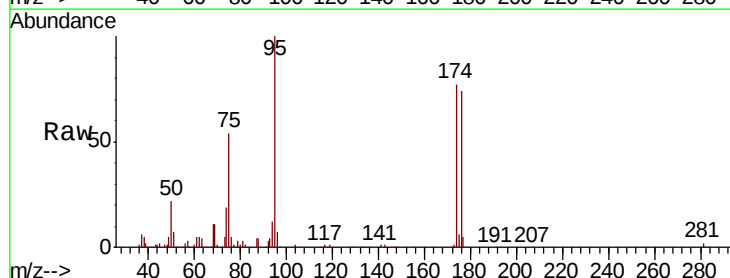
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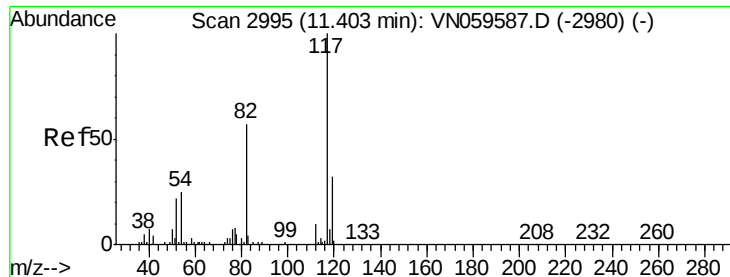
apatel
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#62
 4-Bromofluorobenzene
 Concen: 47.982 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.9	0.0	151.4
176	73.4	0.0	146.0





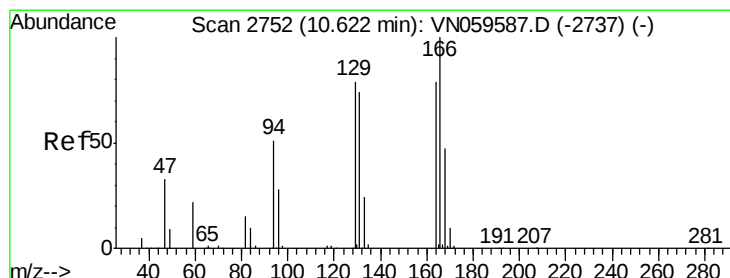
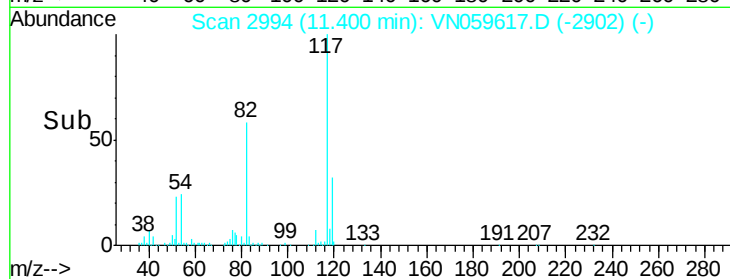
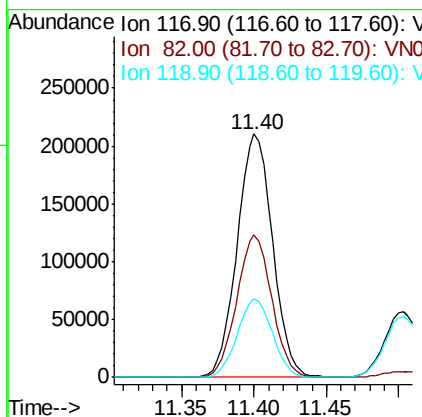
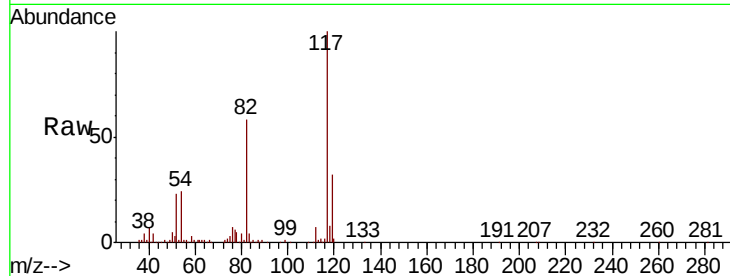
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.9	68.9
119	32.0	25.5	38.3

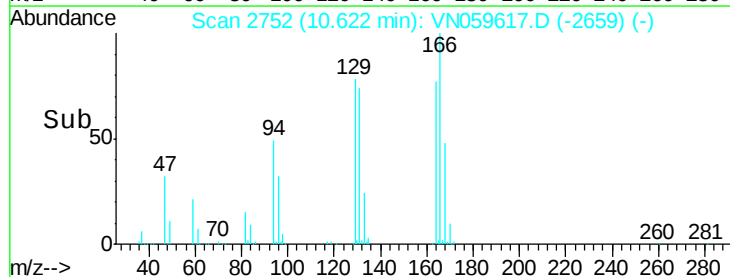
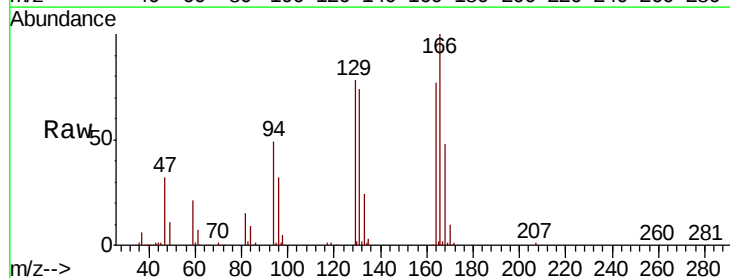
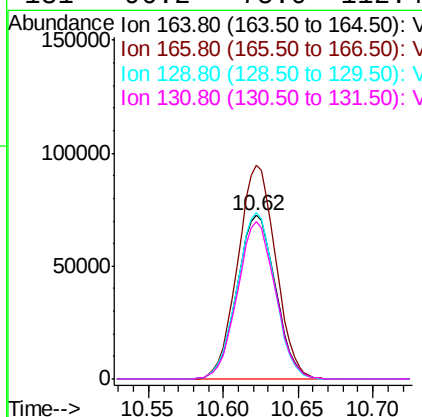
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#64
Tetrachloroethene
Concen: 38.802 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	101.4	152.0
129	101.5	80.2	120.4
131	96.2	75.0	112.4





#65

Chlorobenzene

Concen: 47.242 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 366454

Ion Ratio Lower Upper

112 100

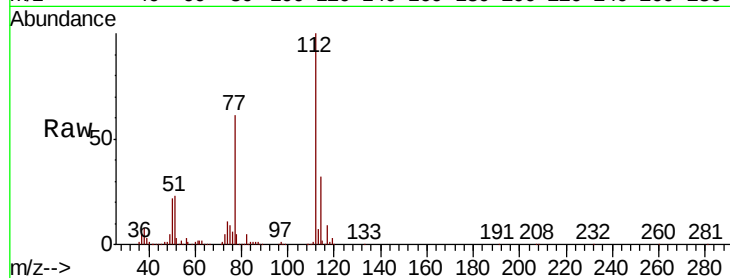
114 31.5 25.8 38.8

Manual Integrations

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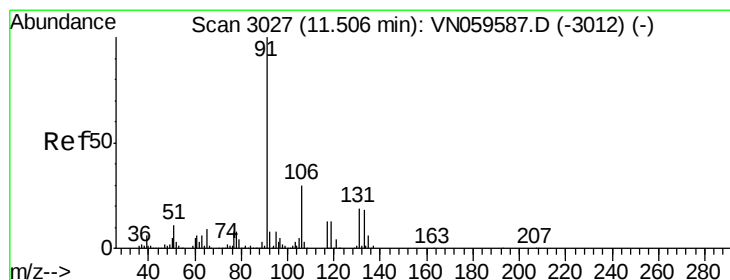
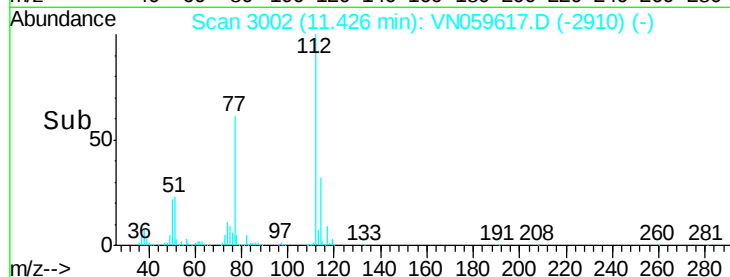
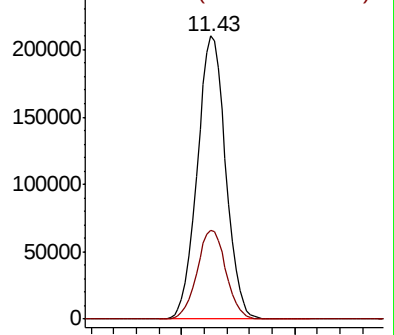
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.900 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

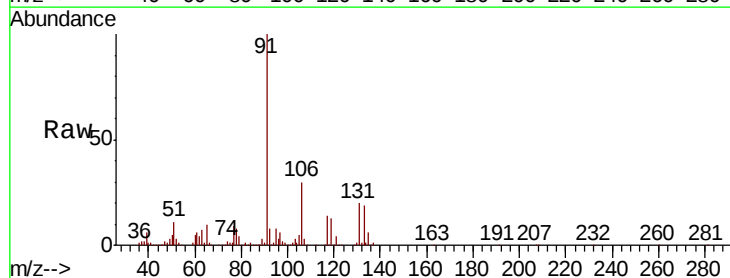
Tgt Ion:131 Resp: 141131

Ion Ratio Lower Upper

131 100

133 95.6 47.4 142.2

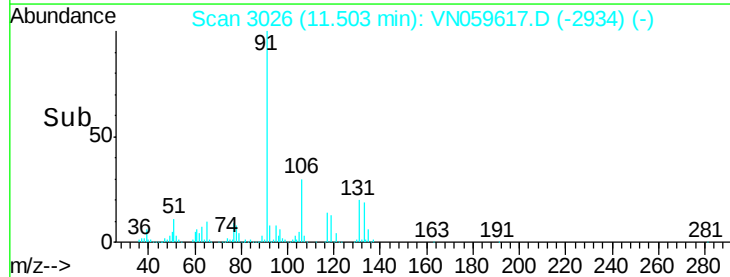
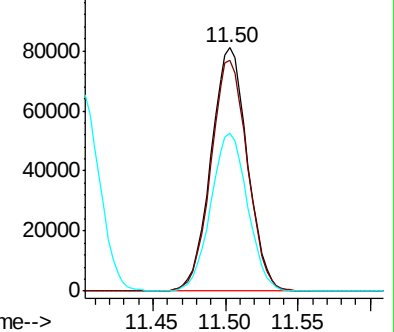
119 65.6 33.1 99.3

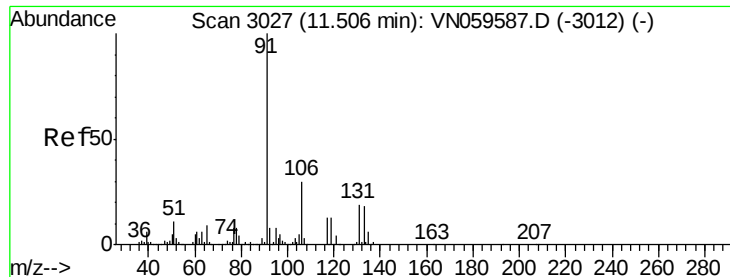


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.595 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 680417

Ion Ratio Lower Upper

91 100

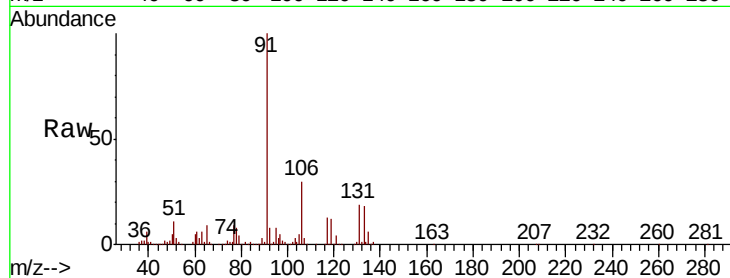
106 30.5 24.1 36.1

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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

500000

400000

300000

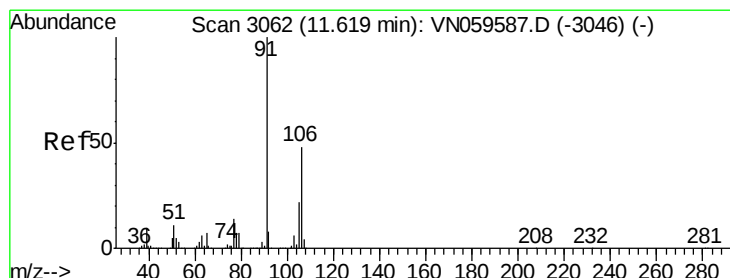
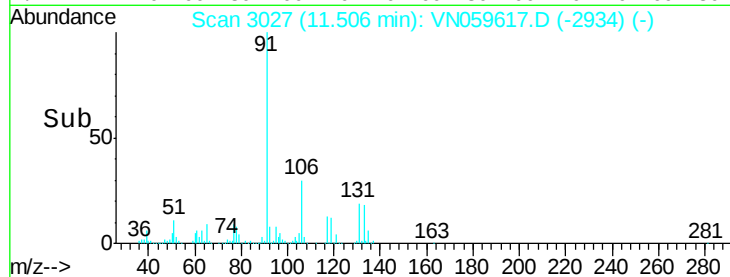
200000

100000

0

11.45 11.50 11.55

Time-->



#68

m/p-Xylenes

Concen: 97.167 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059617.D

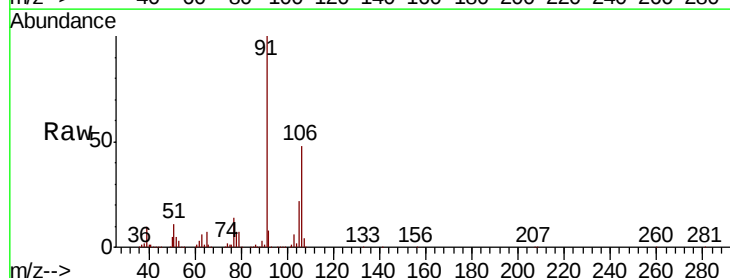
Acq: 16 Dec 2019 20:41

Tgt Ion: 106 Resp: 502389

Ion Ratio Lower Upper

106 100

91 208.7 167.9 251.9



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

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

600000

500000

400000

300000

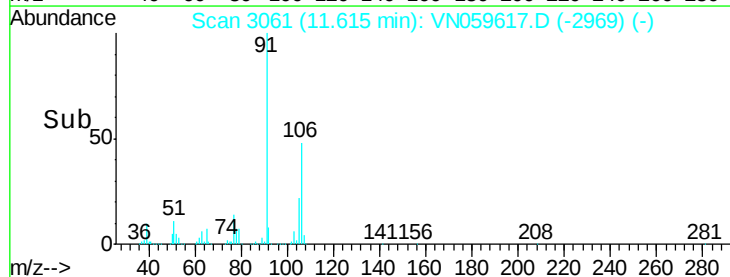
200000

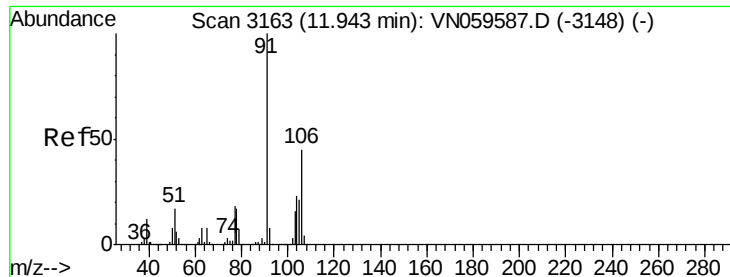
100000

0

11.50 11.60 11.70

Time-->





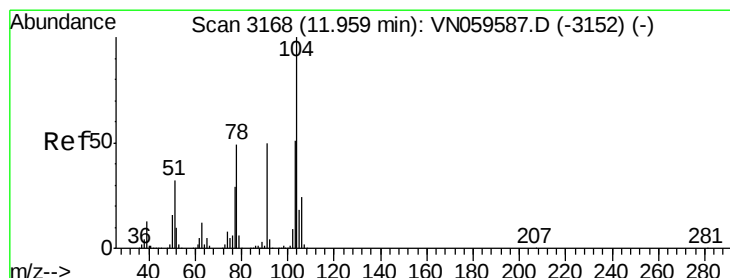
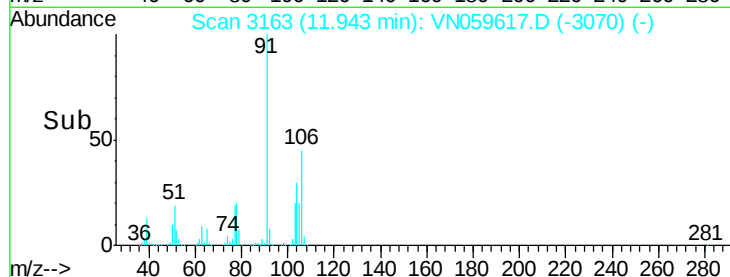
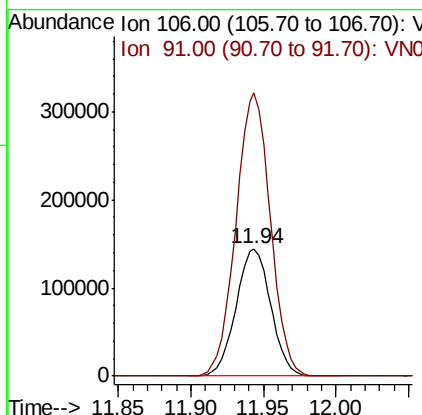
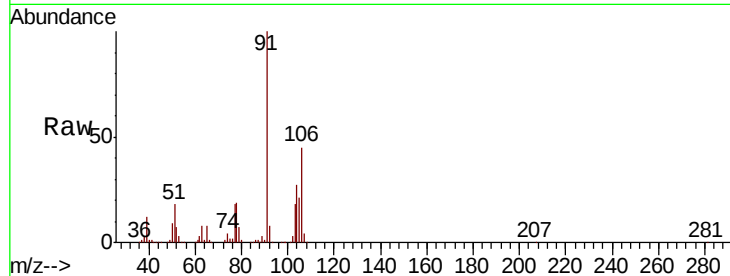
#69
o-Xylene
Concen: 48.835 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
240251	106			
100	106	100		
220.4	91		110.3	330.9

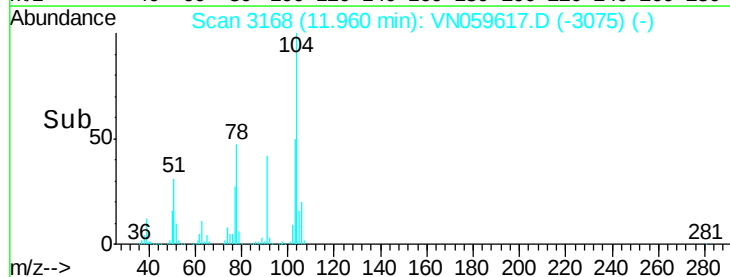
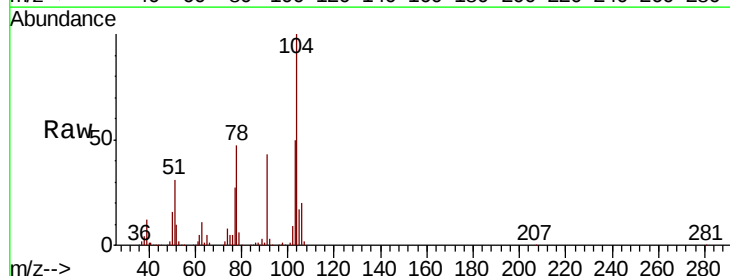
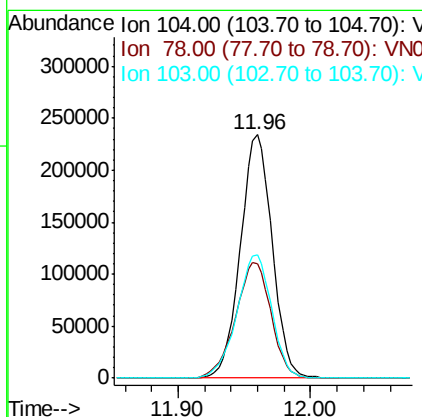
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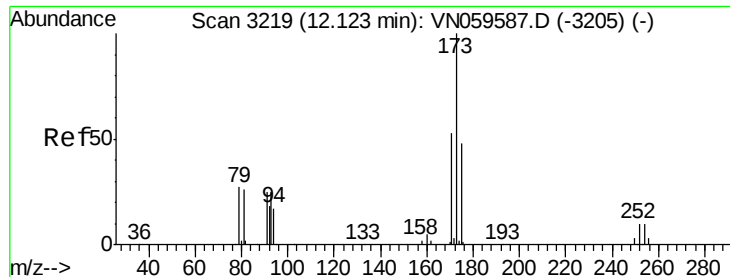
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#70
Styrene
Concen: 49.339 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ion	Ratio	Lower	Upper
389992	104			
100	104	100		
53.0	78		42.4	63.6
55.5	103		43.9	65.9





#71

Bromoform

Concen: 49.515 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

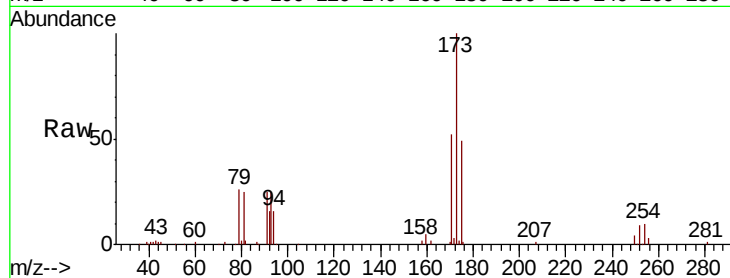
ClientSampleId :

VSTDCCC050EC

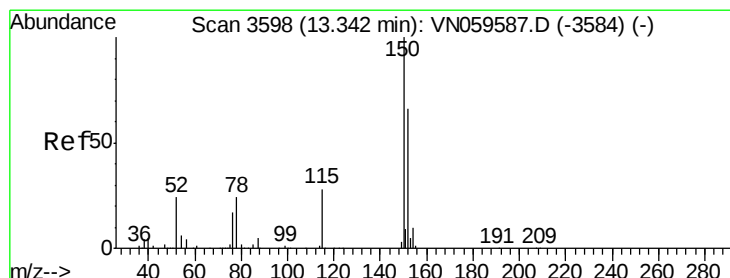
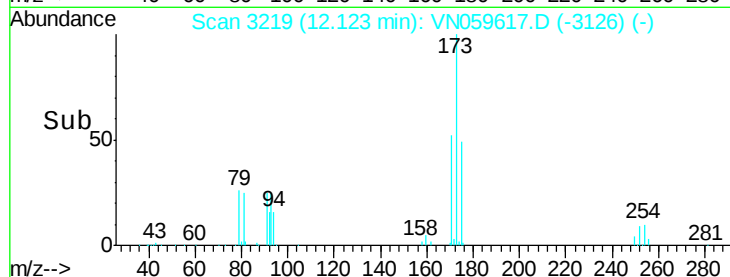
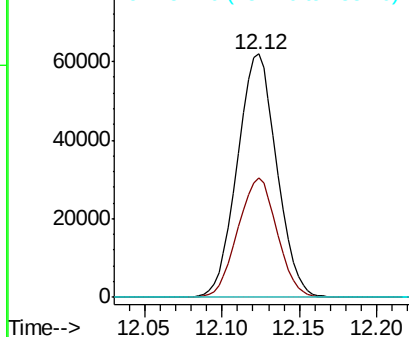
Tot Ion:	173	Resp:	109665
Ion Ratio	Lower	Upper	
173	100		
175	48.8	23.8	71.4
254	0.0	0.0	0.0

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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

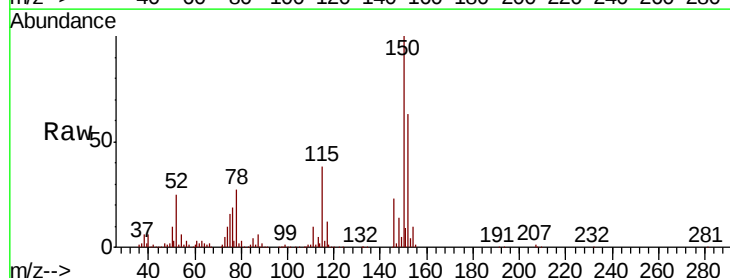
RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

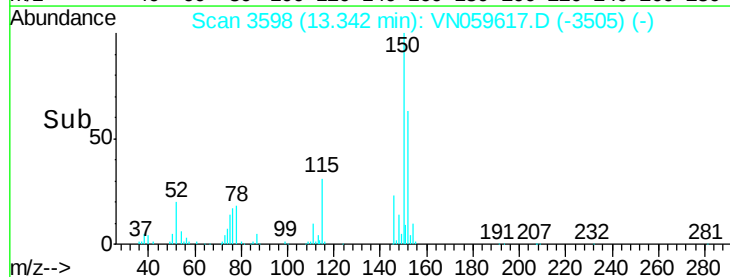
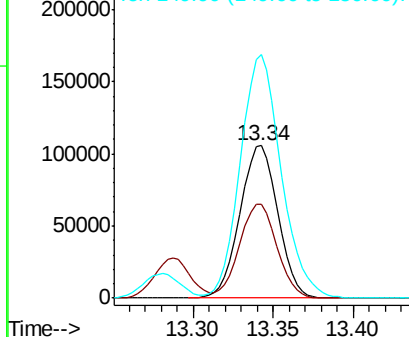
Lab File: VN059617.D

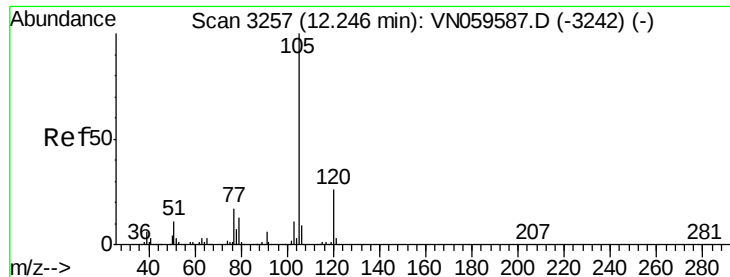
Acq: 16 Dec 2019 20:41

Tgt Ion:	152	Resp:	171100
Ion Ratio	Lower	Upper	
152	100		
115	60.7	30.3	90.9
150	172.7	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: 48.299 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 648717

Ion Ratio Lower Upper

105 100

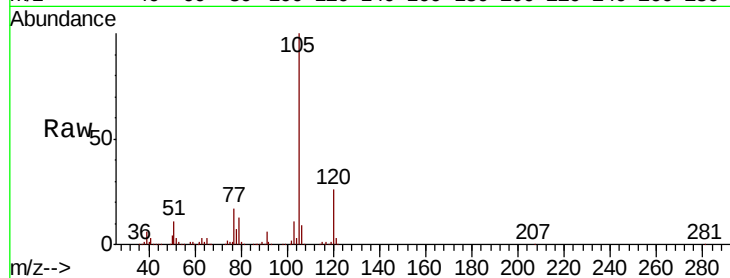
120 26.2 13.2 39.5

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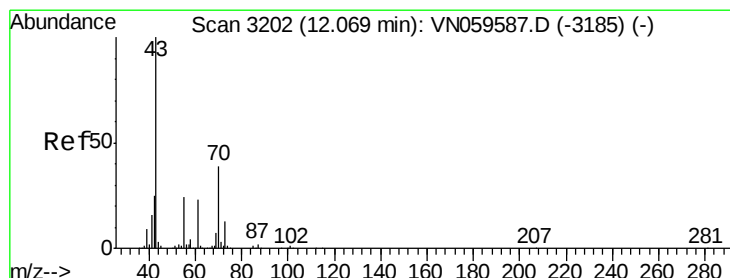
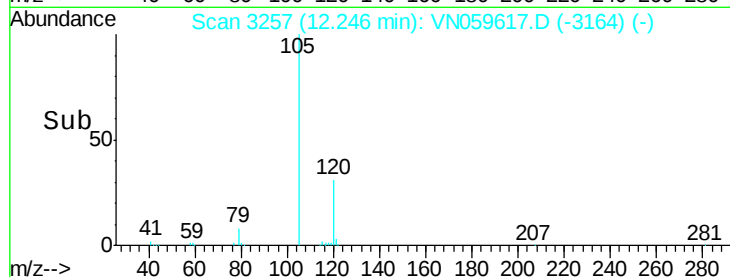
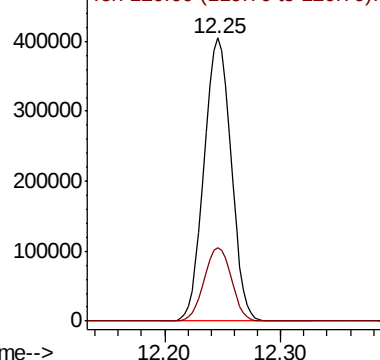
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.063 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Tgt Ion: 43 Resp: 308443

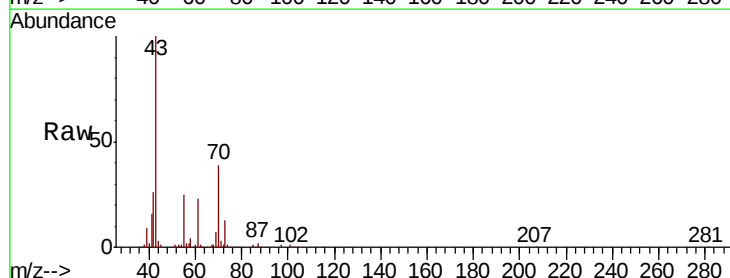
Ion Ratio Lower Upper

43 100

70 38.9 31.3 46.9

55 25.0 19.8 29.6

61 22.6 18.3 27.5

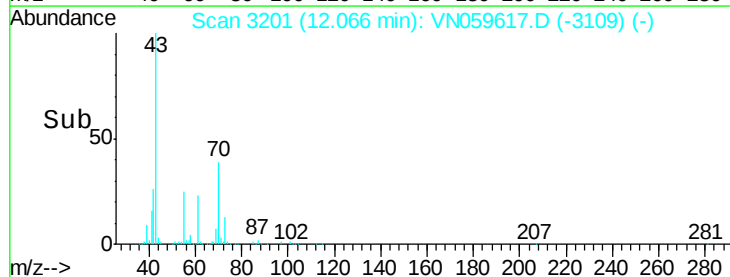
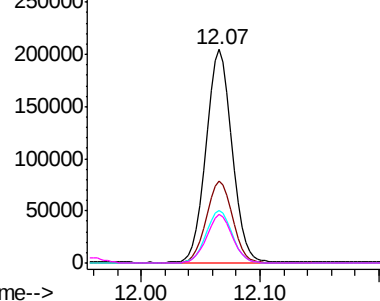


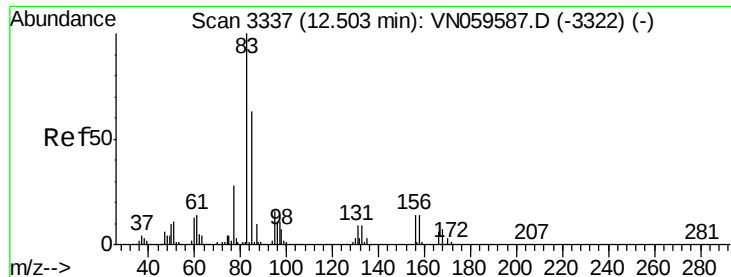
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.058 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

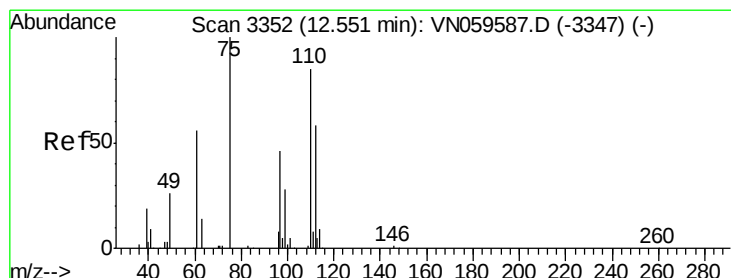
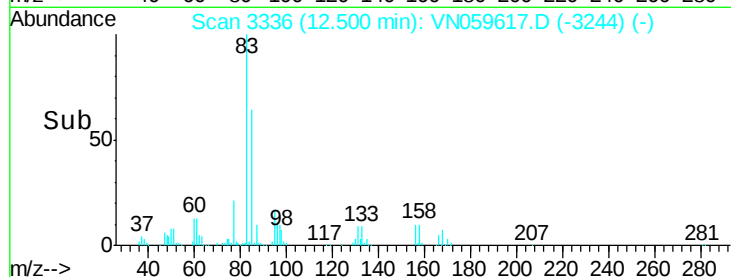
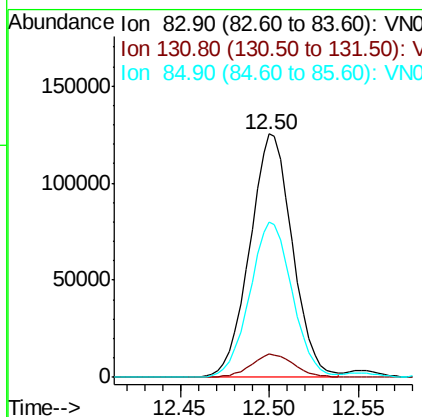
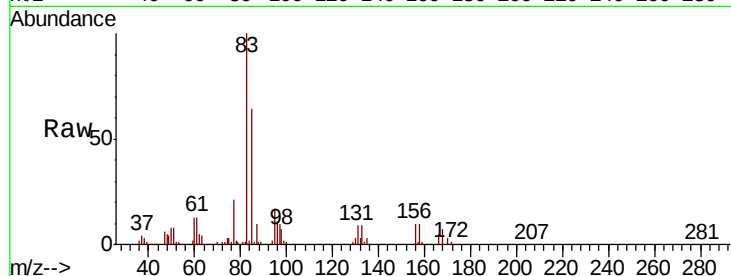
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	209016
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	63.7	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 49.575 ug/l m

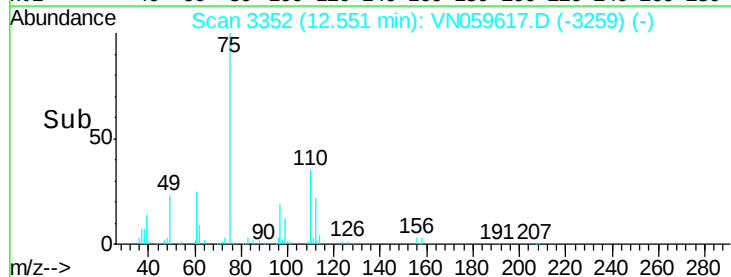
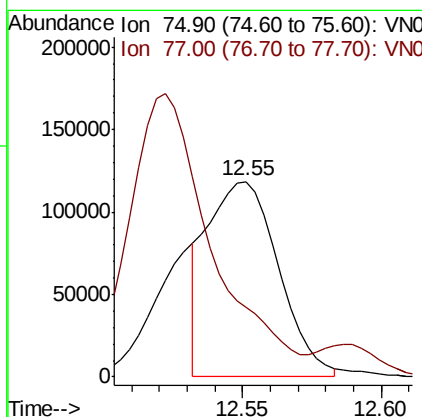
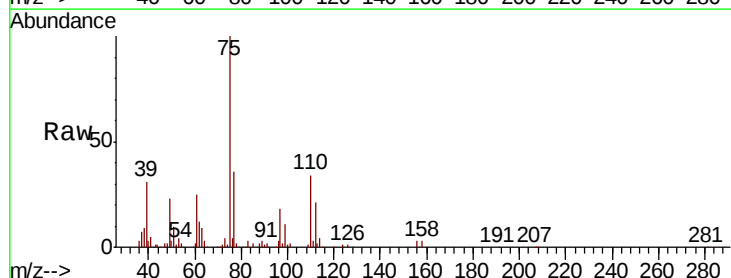
RT: 12.55 min Scan# 3352

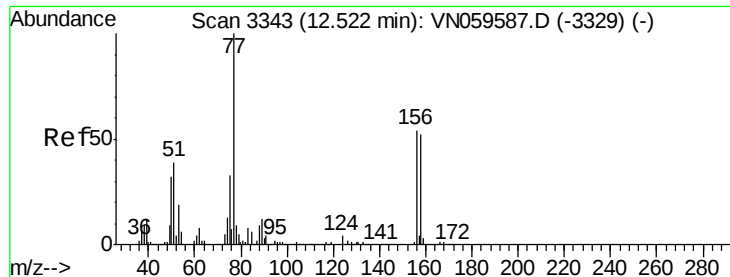
Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Tgt Ion:	75	Resp:	209983
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.512 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 153634

Ion Ratio Lower Upper

156 100

77 232.7 115.8 347.4

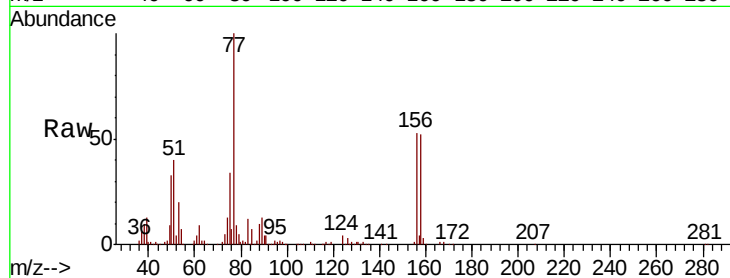
158 96.7 49.2 147.6

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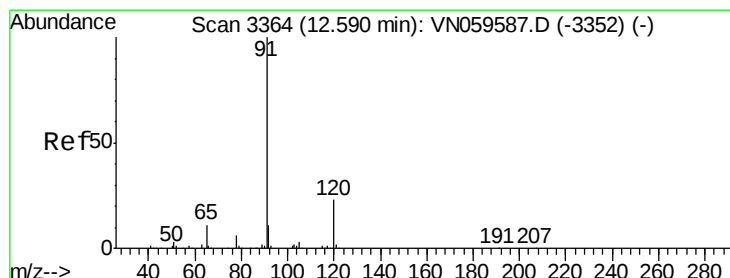
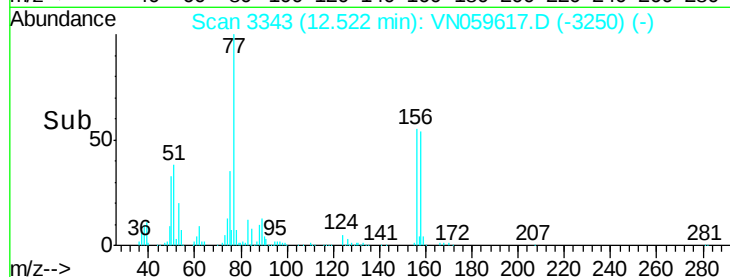
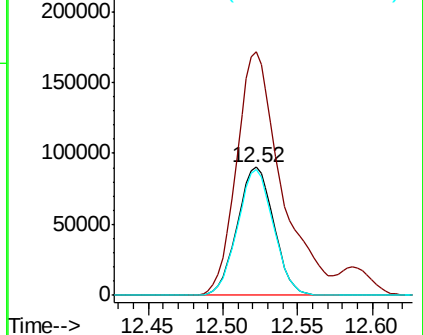
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.795 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059617.D

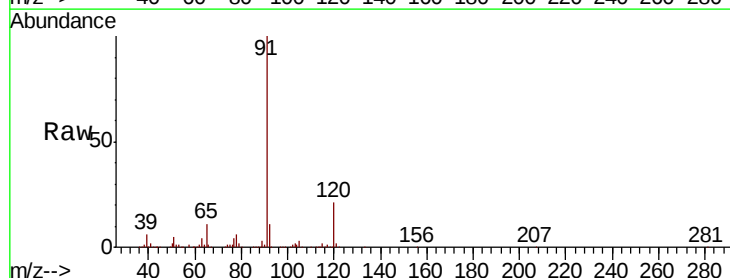
Acq: 16 Dec 2019 20:41

Tgt Ion: 91 Resp: 774728

Ion Ratio Lower Upper

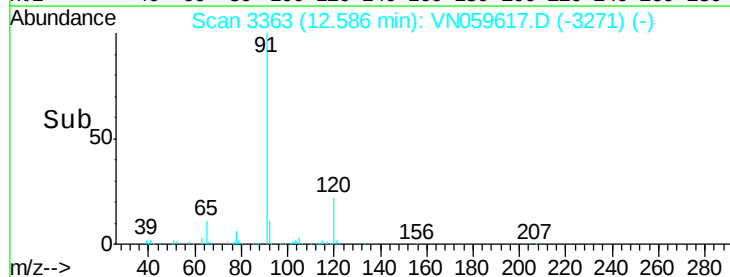
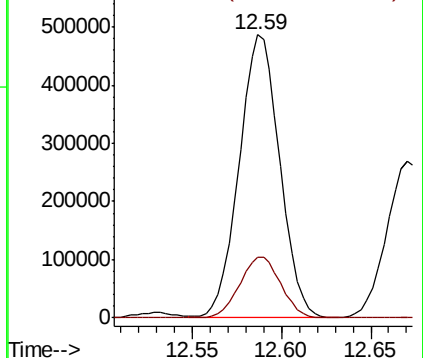
91 100

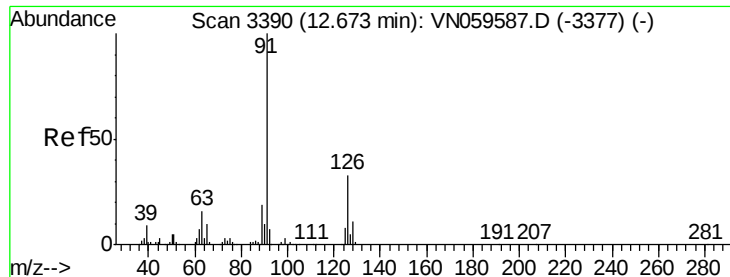
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.883 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059617.D

Acq: 16 Dec 2019 20:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 450101

Ion Ratio Lower Upper

91 100

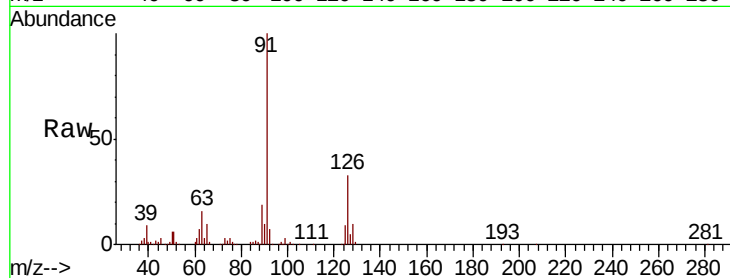
126 33.4 16.3 48.9

Manual Integrations

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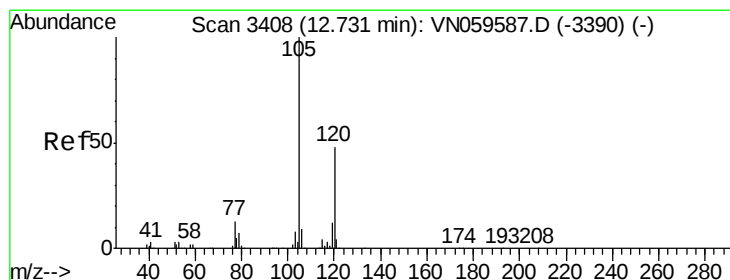
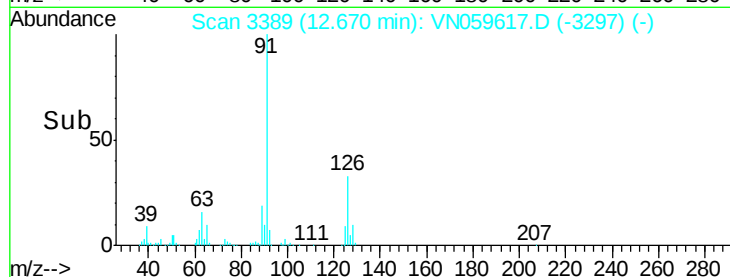
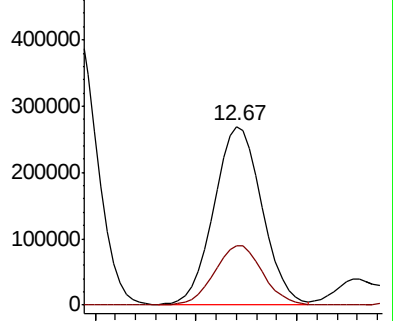
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Abundance Ion 91.00 (90.70 to 91.70): VN059617.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN059617.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 48.170 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059617.D

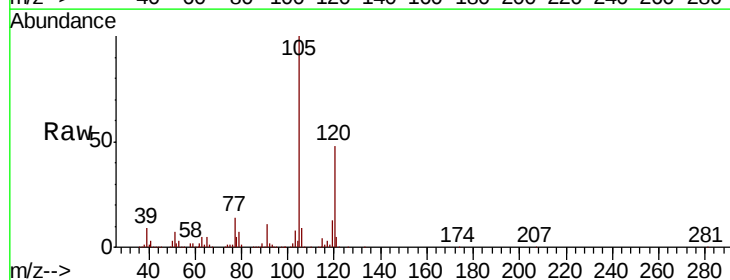
Acq: 16 Dec 2019 20:41

Tgt Ion: 105 Resp: 547516

Ion Ratio Lower Upper

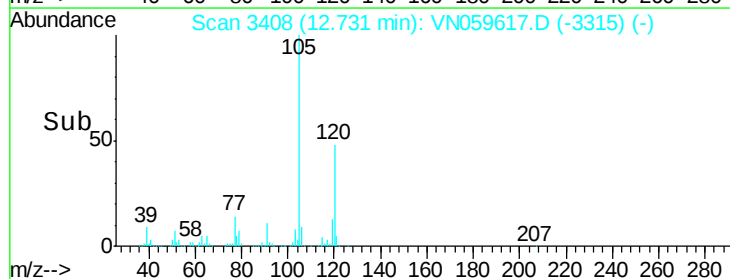
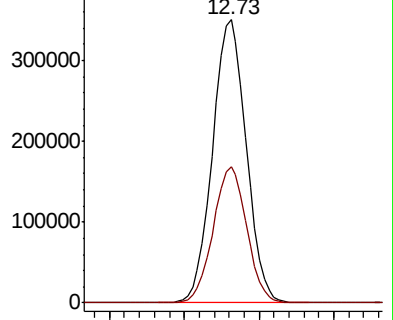
105 100

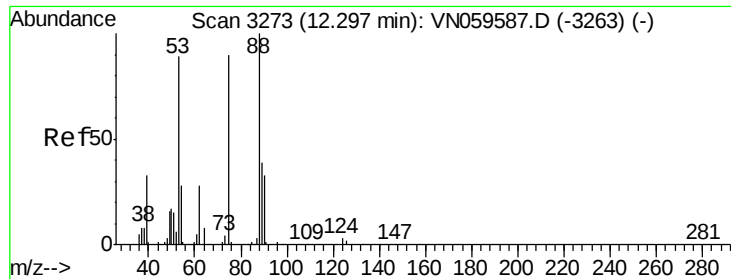
120 47.9 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059617.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN059617.D (-3315) (-)





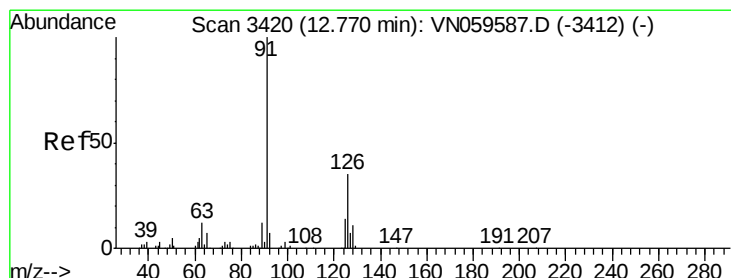
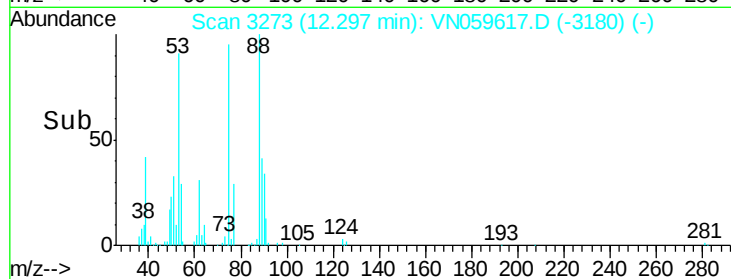
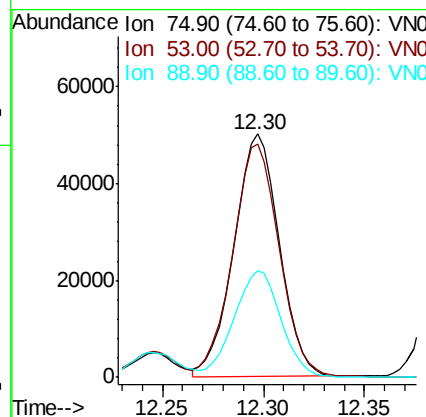
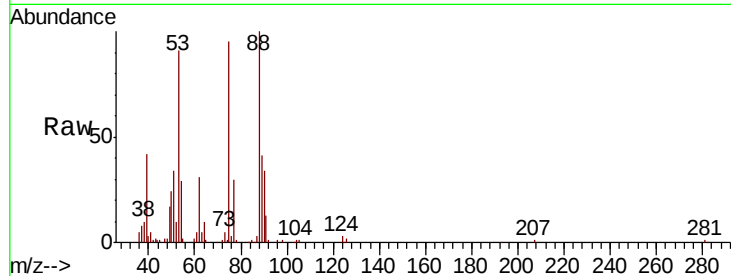
#81
trans-1,4-Dichloro-2-butene
Concen: 45.923 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.6	78.1	117.1
89	45.6	35.4	53.2

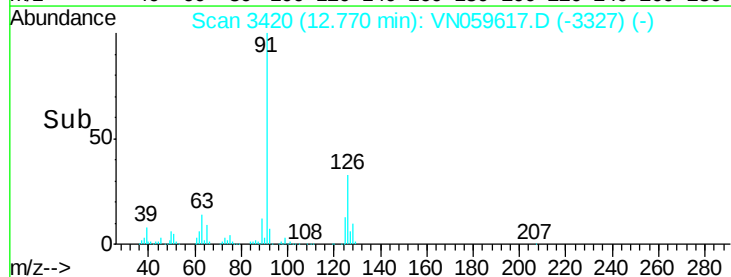
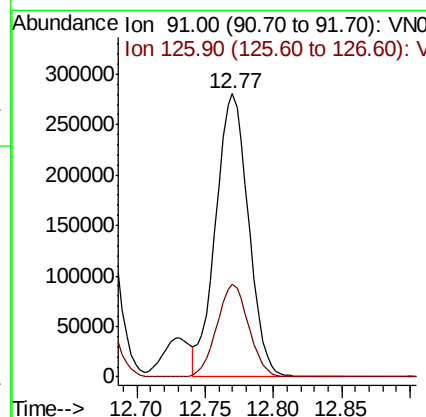
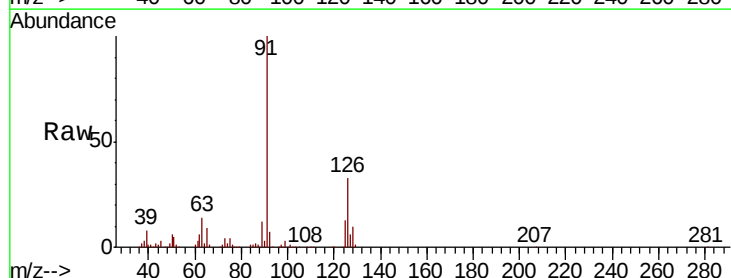
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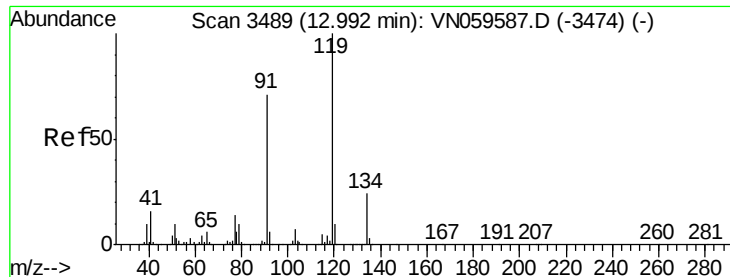
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#82
4-Chlorotoluene
Concen: 47.457 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.3	48.8





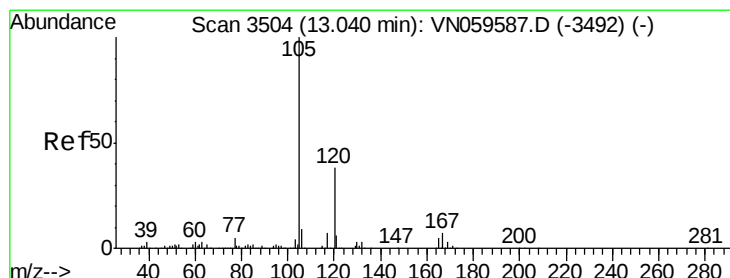
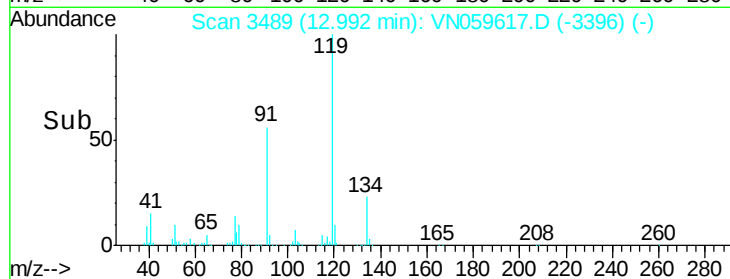
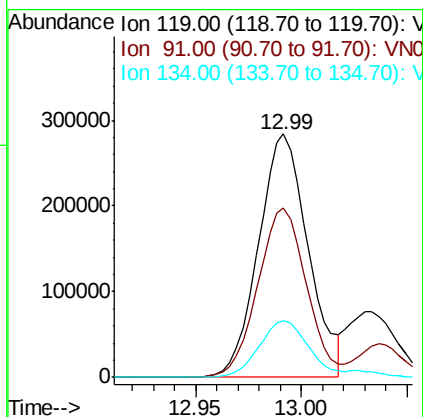
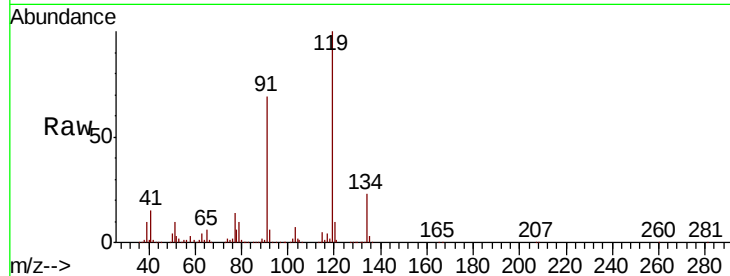
#83
tert-Butylbenzene
Concen: 48.391 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.3	34.8	104.4
134	25.0	12.3	36.9

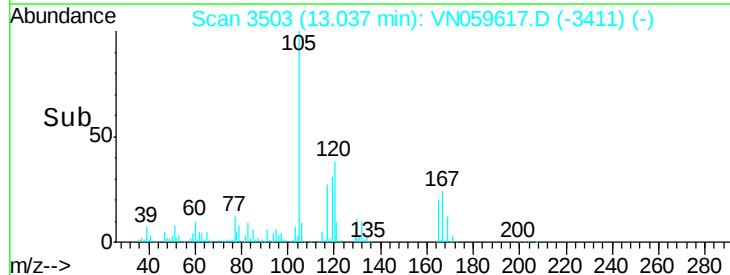
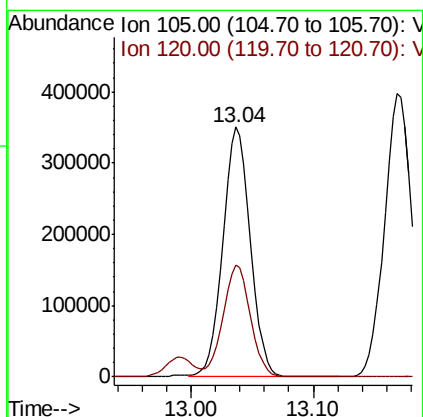
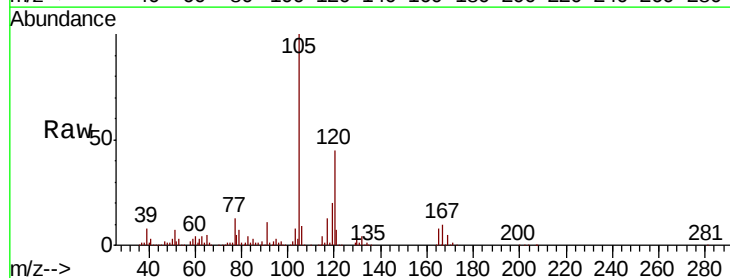
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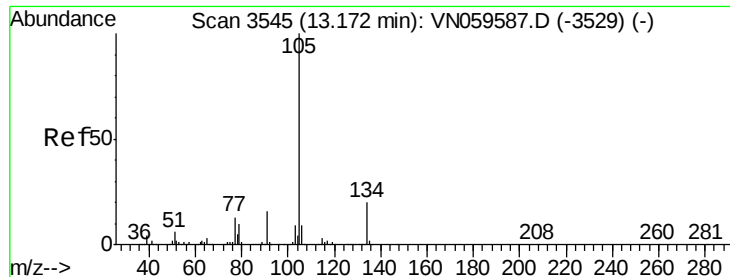
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#84
1,2,4-Trimethylbenzene
Concen: 48.778 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.3	66.9





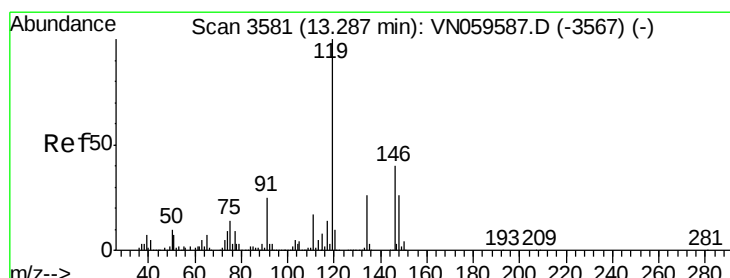
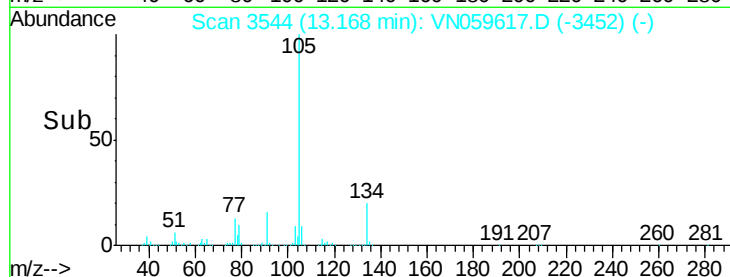
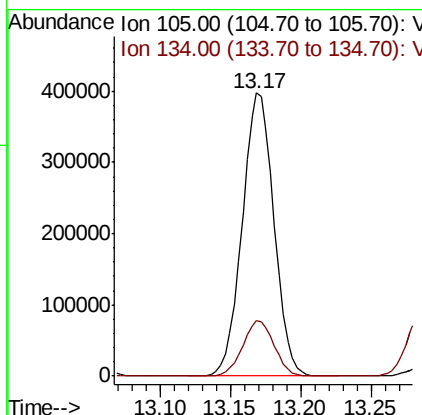
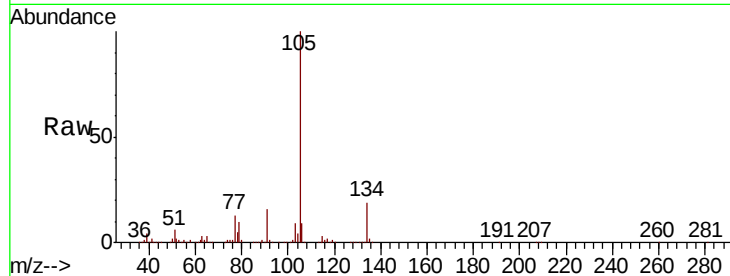
#85
 sec-Butylbenzene
 Concen: 48.770 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.8	29.5

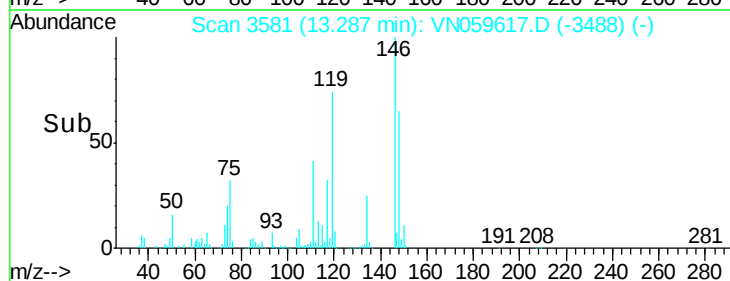
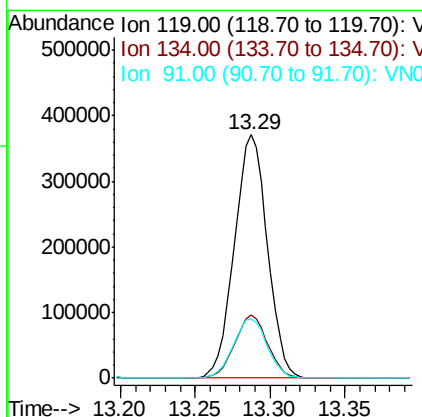
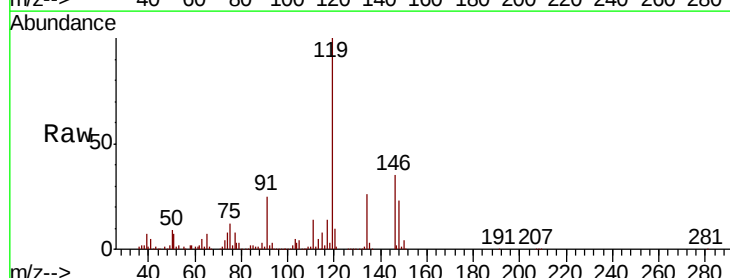
Manual Integrations
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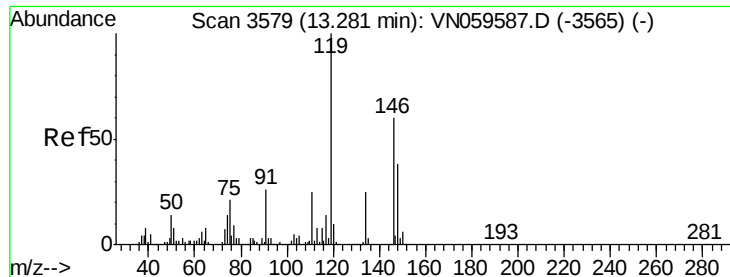
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#86
 p-Isopropyltoluene
 Concen: 48.931 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.9	38.7
91	24.9	12.4	37.4





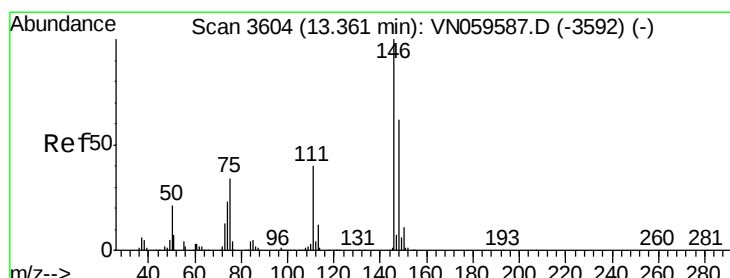
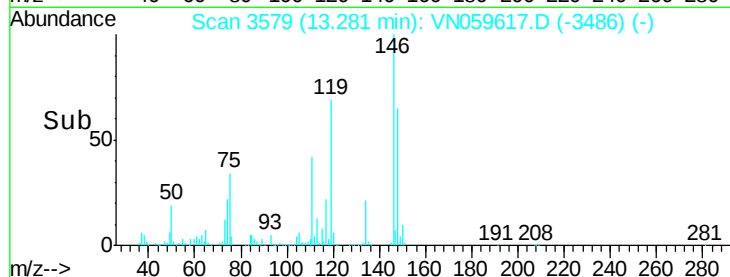
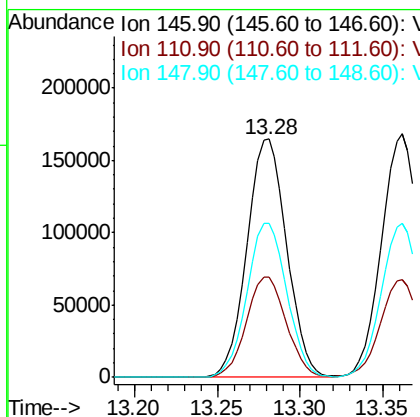
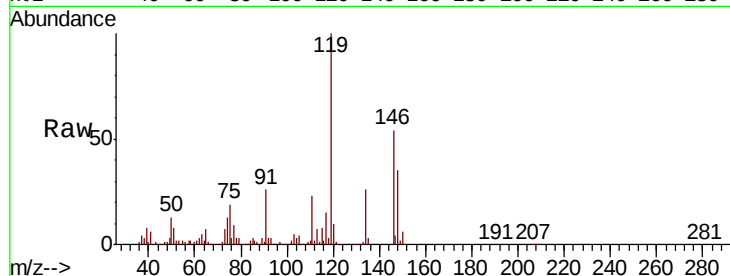
#87
 1,3-Dichlorobenzene
 Concen: 45.225 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.2
148	64.8	32.0	96.0

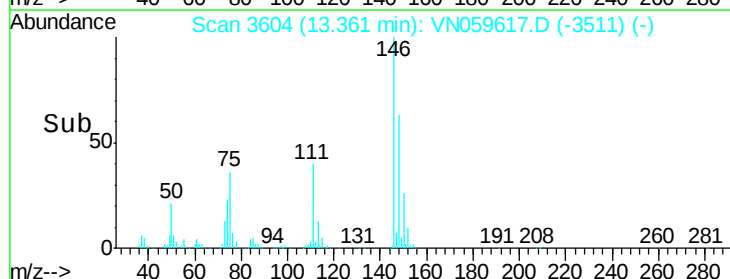
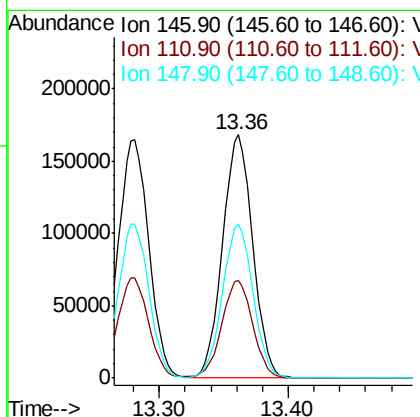
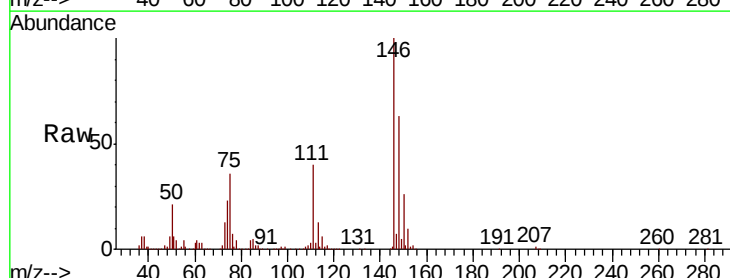
Manual Integrations
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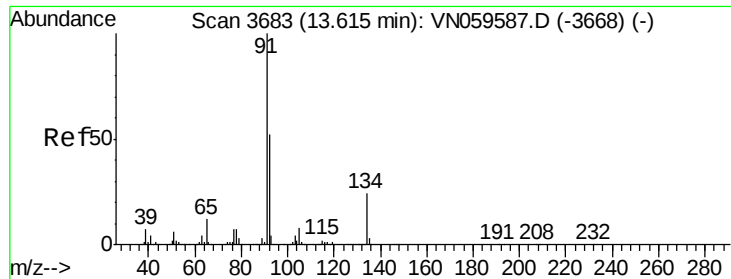
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#88
 1,4-Dichlorobenzene
 Concen: 44.697 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.8	62.2
148	63.6	31.8	95.4





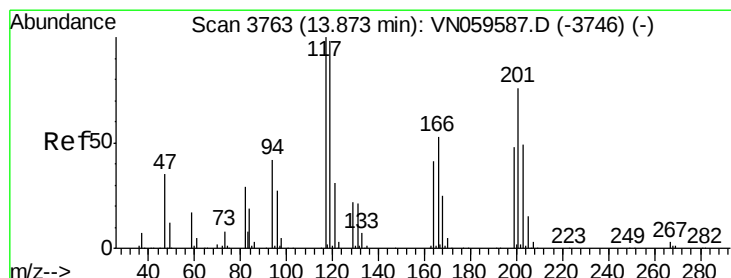
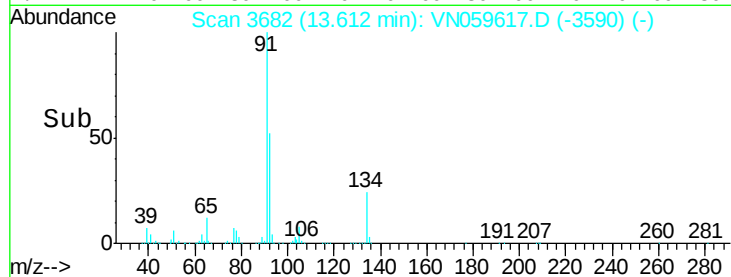
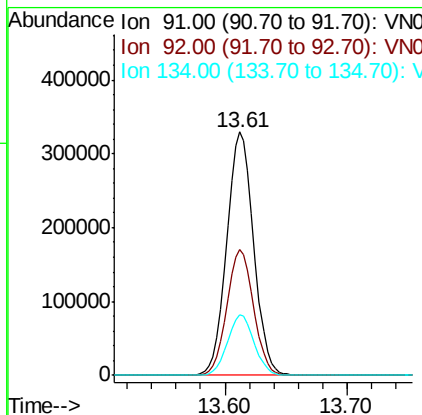
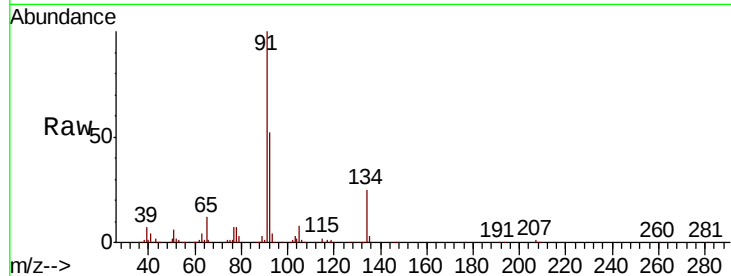
#89
n-Butylbenzene
Concen: 46.816 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.9	77.7
134	24.6	12.3	36.8

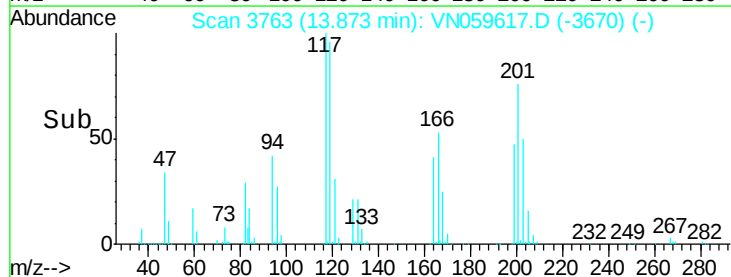
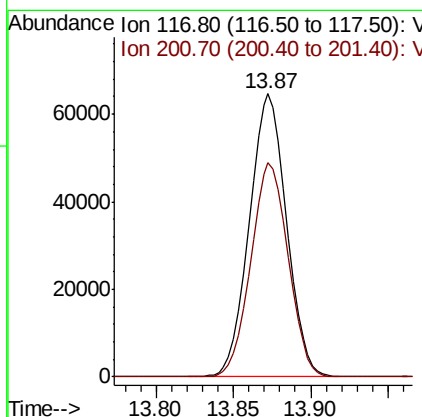
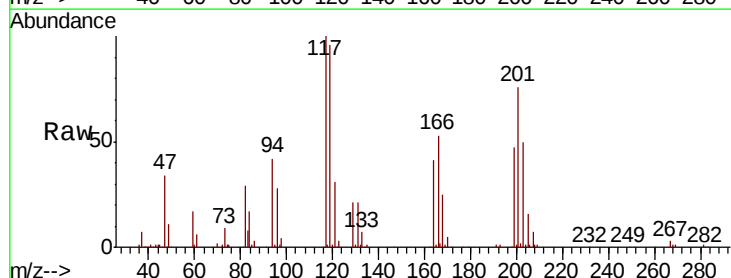
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#90
Hexachloroethane
Concen: 49.351 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.9	37.8	113.4





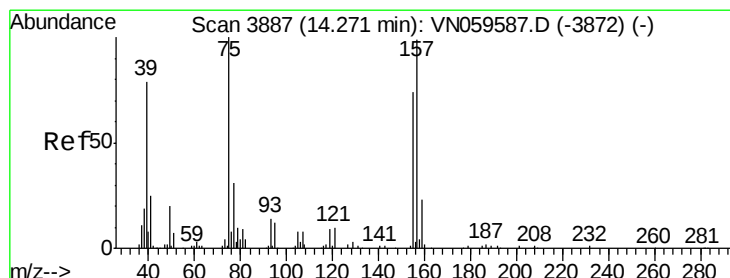
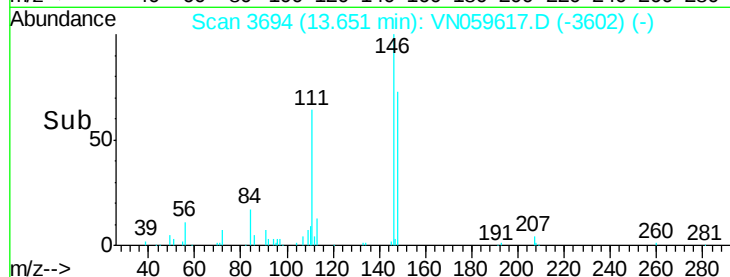
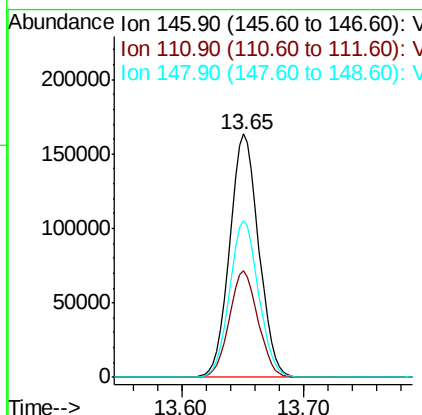
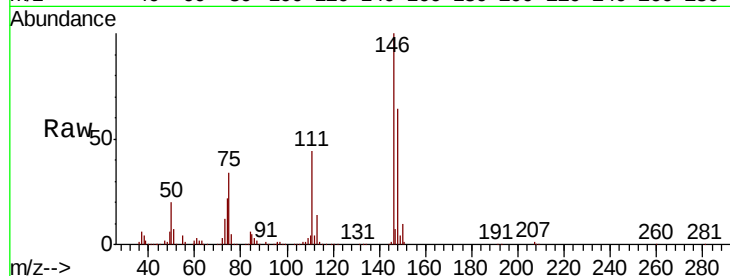
#91
 1,2-Dichlorobenzene
 Concen: 45.296 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.6	64.8
148	64.2	31.6	95.0

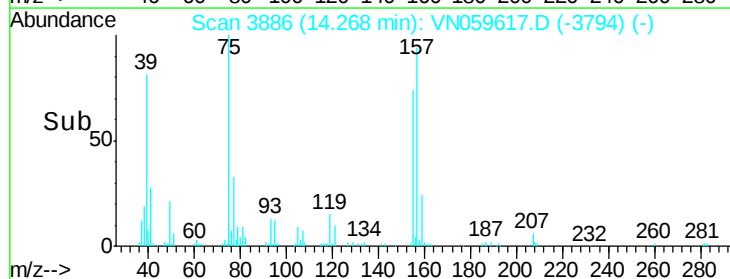
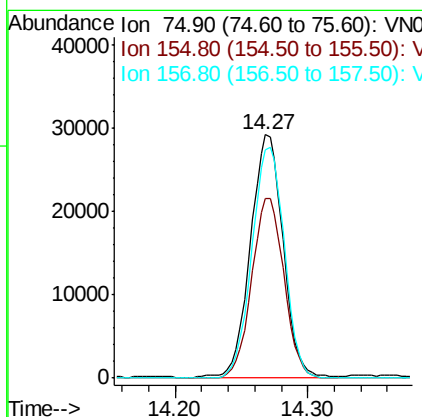
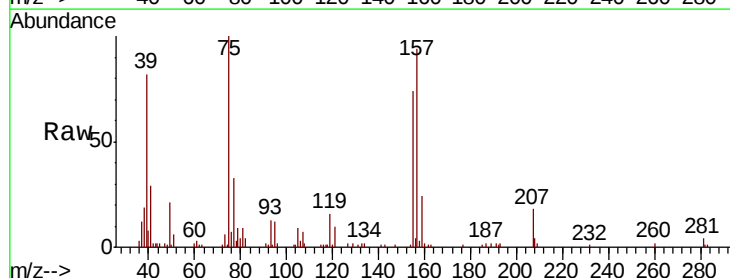
Manual Integrations
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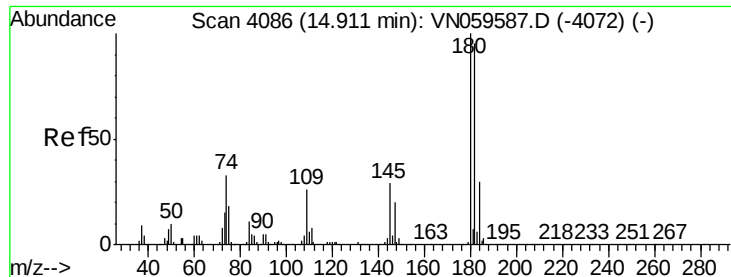
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.552 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.4	37.0	110.9
157	93.6	48.4	145.2





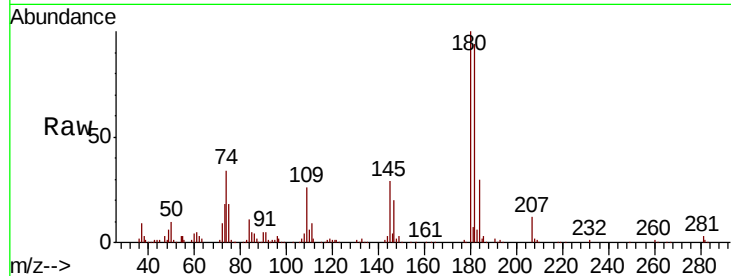
#93
 1,2,4-Trichlorobenzene
 Concen: 44.143 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

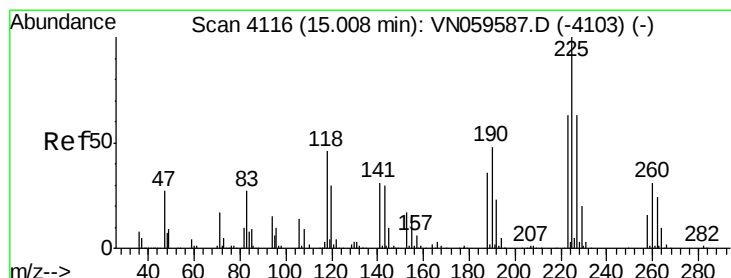
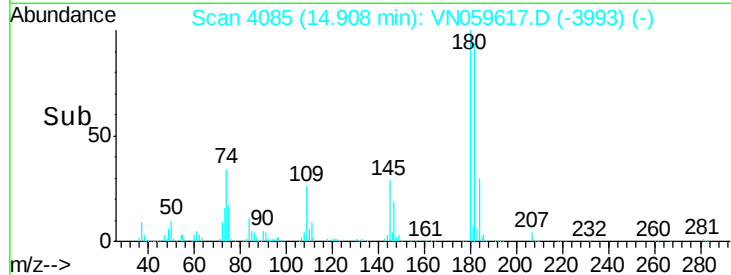
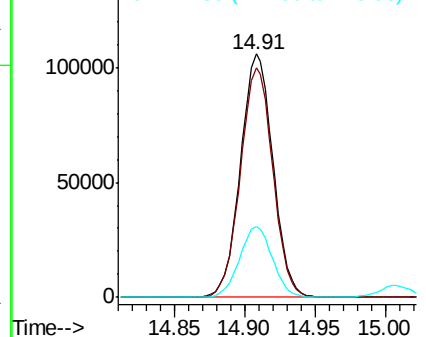
Tot Ion	Ratio	Resp	Lower	Upper
180	100	170744		
182	94.3	46.9	140.7	
145	29.5	15.0	45.1	

Manual Integrations
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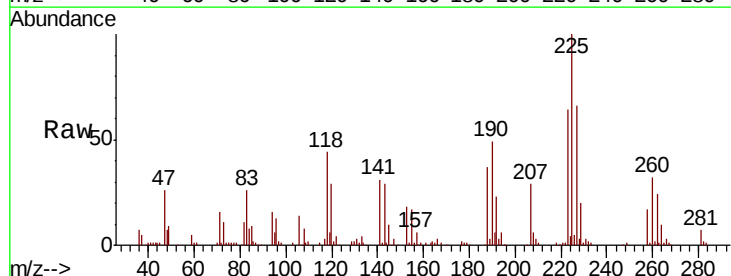


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

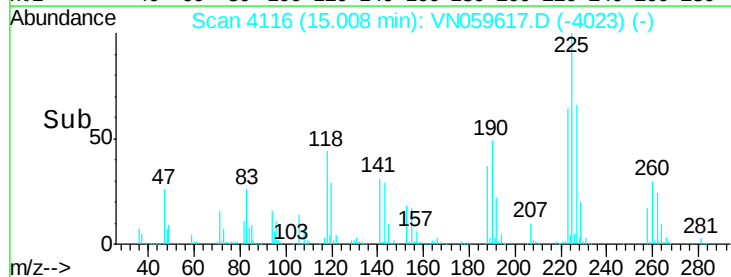
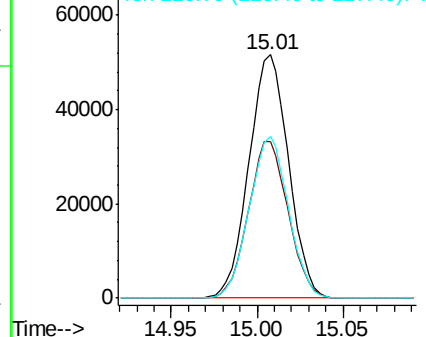


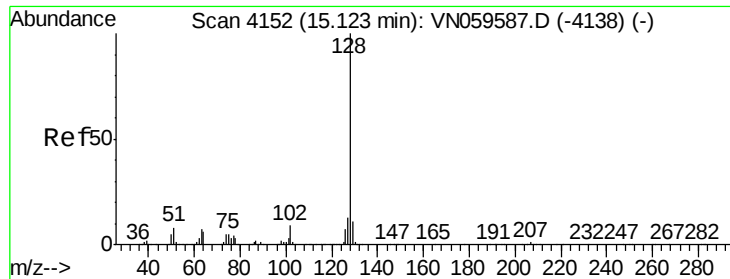
#94
 Hexachlorobutadiene
 Concen: 40.810 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059617.D
 Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82690		
223	64.6	31.8	95.3	
227	65.6	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





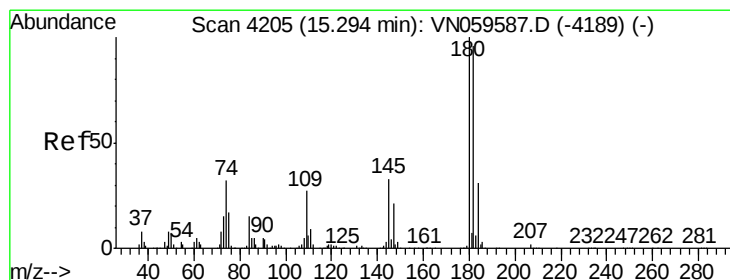
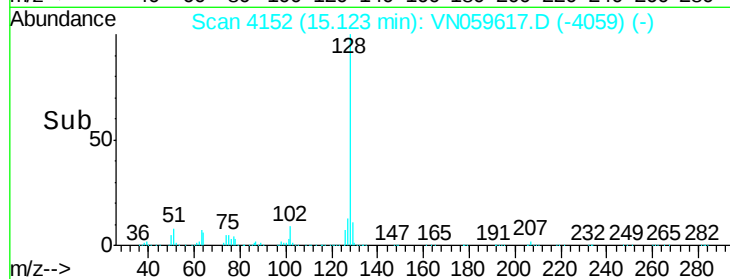
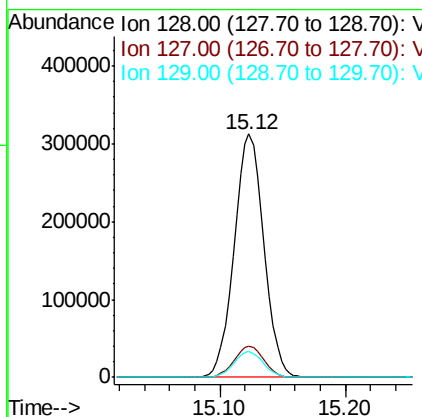
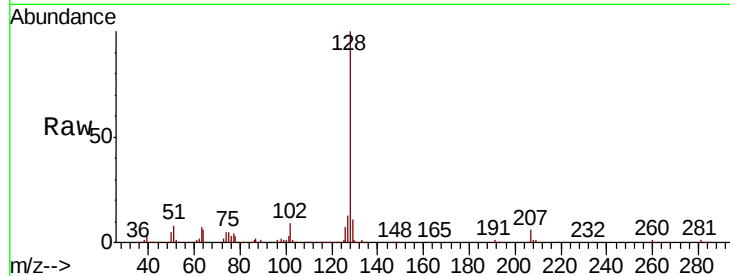
#95
Naphthalene
Concen: 44.378 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.6	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 43.176 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059617.D
Acq: 16 Dec 2019 20:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.4	142.3
145	32.8	16.3	48.9

