

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121019\
 Data File : VN059537.D
 Acq On : 10 Dec 2019 10:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/11/2019 2:15:47 PM

Quant Time: Dec 11 06:15:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	292220	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	463200	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	489364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	217319	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	201315	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
35) Dibromofluoromethane	7.57	113	143596	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
50) Toluene-d8	10.08	98	682148	60.45	ug/l	0.00
Spiked Amount			Recovery	=	120.90%	
62) 4-Bromofluorobenzene	12.40	95	256163	61.32	ug/l	0.00
Spiked Amount			Recovery	=	122.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	149082	44.232	ug/l	99
3) Chloromethane	2.04	50	238386	46.723	ug/l	100
4) Vinyl Chloride	2.17	62	233792	46.489	ug/l	100
5) Bromomethane	2.54	94	141525	46.203	ug/l	99
6) Chloroethane	2.68	64	138909	46.257	ug/l	96
7) Trichlorofluoromethane	3.00	101	278527	46.331	ug/l	99
8) Diethyl Ether	3.39	74	88672	43.040	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	138065	44.129	ug/l	98
10) Methyl Iodide	3.92	142	192556	45.453	ug/l	99
11) Tert butyl alcohol	4.75	59	162719	240.828	ug/l	99
12) 1,1-Dichloroethene	3.71	96	133107	43.764	ug/l	96
13) Acrolein	3.58	56	118757	361.184	ug/l	98
14) Allyl chloride	4.29	41	248064	42.399	ug/l	92
15) Acrylonitrile	4.95	53	422786	237.248	ug/l	100
16) Acetone	3.79	43	418207	219.201	ug/l	99
17) Carbon Disulfide	4.03	76	440454	45.624	ug/l	99
18) Methyl Acetate	4.29	43	221233	44.166	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	494155	48.877	ug/l	99
20) Methylene Chloride	4.52	84	158858	46.185	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	154109	47.209	ug/l	97
22) Diisopropyl ether	5.92	45	542238	48.683	ug/l	97
23) Vinyl Acetate	5.86	43	2328928	250.662	ug/l	100
24) 1,1-Dichloroethane	5.82	63	301279	47.642	ug/l	99
25) 2-Butanone	6.81	43	629932	245.295	ug/l	100
26) 2,2-Dichloropropane	6.80	77	271004	47.436	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	174050	47.403	ug/l	100
28) Bromochloromethane	7.17	49	133808	55.086	ug/l	98
29) Tetrahydrofuran	7.18	42	401969	225.029	ug/l	99
30) Chloroform	7.35	83	299053	47.916	ug/l	98
31) Cyclohexane	7.63	56	276215	44.883	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	260672	47.080	ug/l	100
36) 1,1-Dichloropropene	7.77	75	228854	48.157	ug/l	100
37) Ethyl Acetate	6.90	43	251336	45.496	ug/l	99
38) Carbon Tetrachloride	7.75	117	229536	49.002	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	269569	50.569	ug/l	99
40) Benzene	8.02	78	660600	48.660	ug/l	98
41) Methacrylonitrile	7.14	41	110103	47.675	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	254032	50.222	ug/l	100
43) Isopropyl Acetate	8.14	43	406385	49.539	ug/l	100
44) Trichloroethene	8.82	130	167817	48.930	ug/l	98
45) 1,2-Dichloropropane	9.10	63	179327	49.863	ug/l	99
46) Dibromomethane	9.19	93	116932	49.198	ug/l	98
47) Bromodichloromethane	9.39	83	239536	50.710	ug/l	99
48) Methyl methacrylate	9.18	41	184535	51.447	ug/l	99
49) 1,4-Dioxane	9.18	88	56215	1224.922	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	1472959	282.700	ug/l	96
52) Toluene	10.15	92	498379	61.613	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	324905	59.034	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	322623	57.276	ug/l #	86
55) 1,1,2-Trichloroethane	10.55	97	194283	59.387	ug/l	98
56) Ethyl methacrylate	10.42	69	298283	52.804	ug/l #	89
57) 1,3-Dichloropropane	10.70	76	330562	59.163	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	442446	330.135	ug/l	97
59) 2-Hexanone	10.74	43	1109189	278.355	ug/l	94
60) Dibromochloromethane	10.90	129	210947	53.943	ug/l	99
61) 1,2-Dibromoethane	11.00	107	201437	59.147	ug/l	99
64) Tetrachloroethene	10.63	164	173657	48.555	ug/l	98
65) Chlorobenzene	11.43	112	491811	47.964	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	188023	49.165	ug/l	100
67) Ethyl Benzene	11.51	91	937827	50.827	ug/l	100
68) m/p-Xylenes	11.62	106	725299	104.785	ug/l	99
69) o-Xylene	11.95	106	345083	53.564	ug/l	98
70) Styrene	11.96	104	578463	54.197	ug/l	100
71) Bromoform	12.13	173	159503	53.007	ug/l #	99
73) Isopropylbenzene	12.25	105	929397	57.014	ug/l	100
74) N-amyl acetate	12.07	43	419250	59.043	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	287625	52.071	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	262147m	47.171	ug/l	
77) Bromobenzene	12.53	156	221049	54.468	ug/l	96
78) n-propylbenzene	12.59	91	1025646	51.202	ug/l	100
79) 2-Chlorotoluene	12.67	91	542828	45.445	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	669076	47.864	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	117185	56.732	ug/l	97
82) 4-Chlorotoluene	12.77	91	576873	47.232	ug/l	98
83) tert-Butylbenzene	12.99	119	559522	47.999	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	666405	48.280	ug/l	99
85) sec-Butylbenzene	13.17	105	766826	47.893	ug/l	100
86) p-Isopropyltoluene	13.29	119	704332	49.218	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	346090	46.300	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	342423	46.785	ug/l	99
89) n-Butylbenzene	13.62	91	679518	50.570	ug/l	98
90) Hexachloroethane	13.88	117	130460	49.640	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	330562	47.124	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	58397	46.267	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	221248	45.602	ug/l	99
94) Hexachlorobutadiene	15.01	225	115053	46.417	ug/l	99
95) Naphthalene	15.13	128	623671	43.975	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	210922	44.891	ug/l	99

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

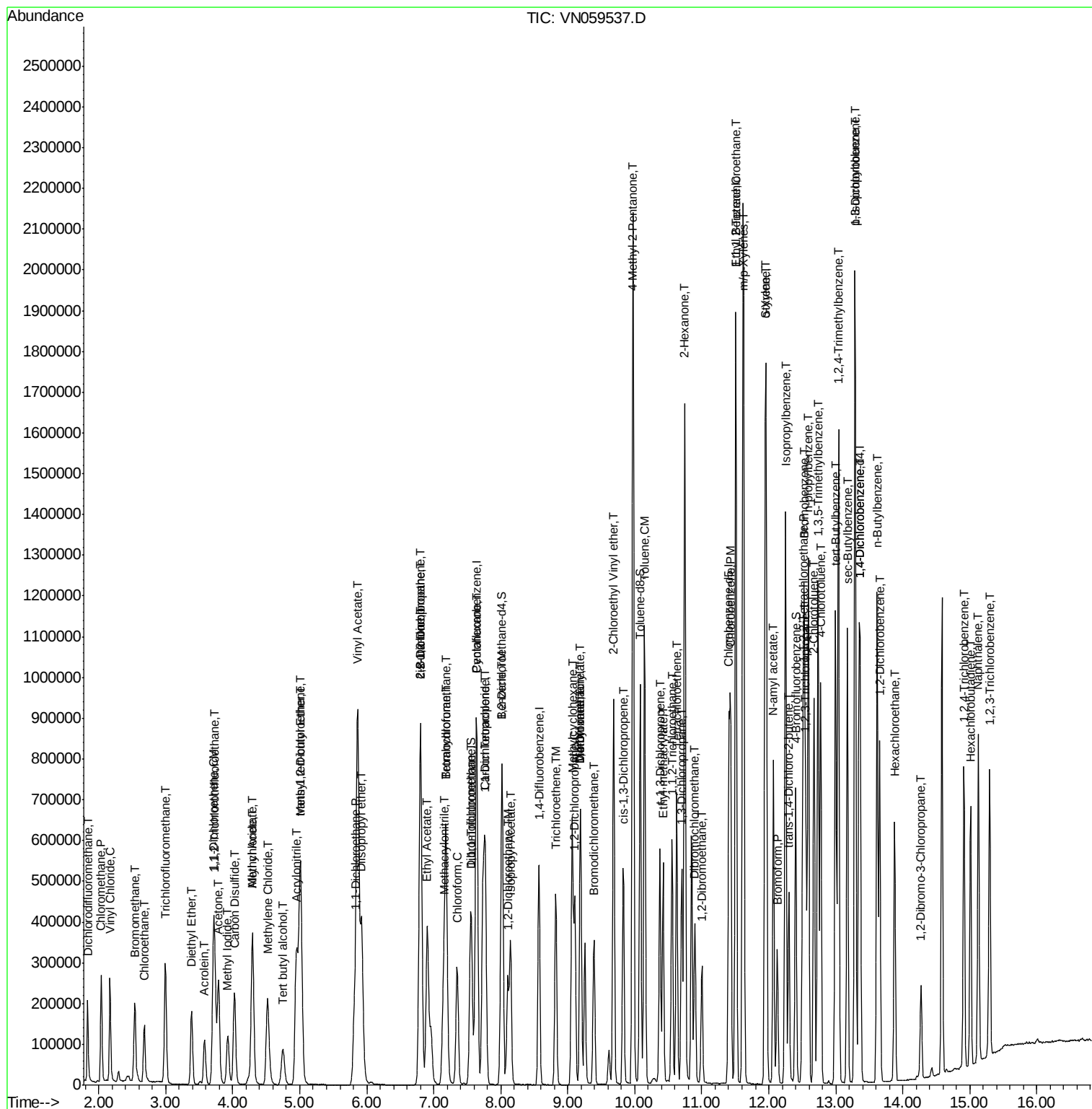
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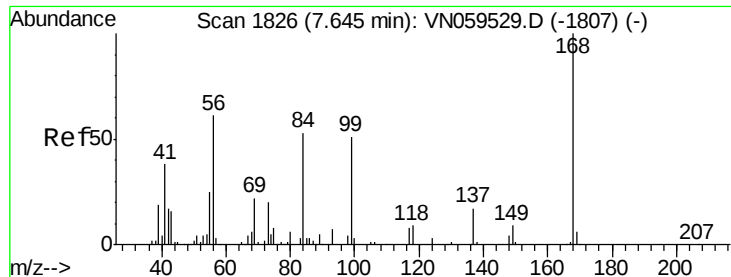
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 292220

Ion Ratio Lower Upper

168 100

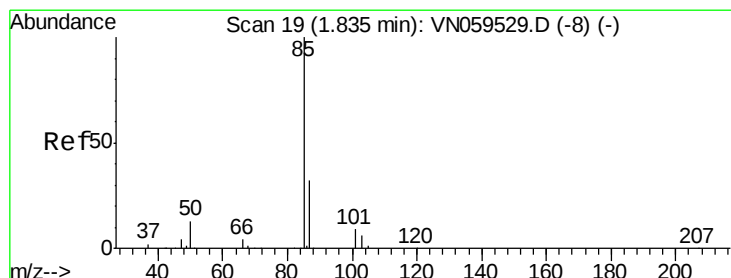
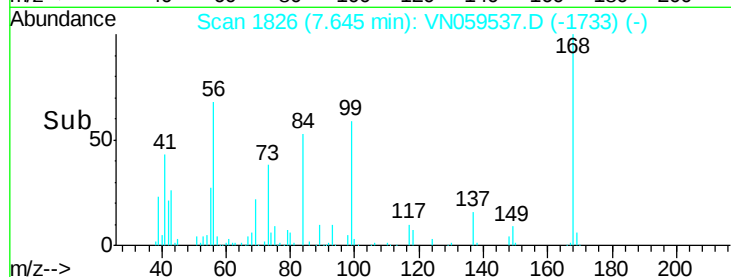
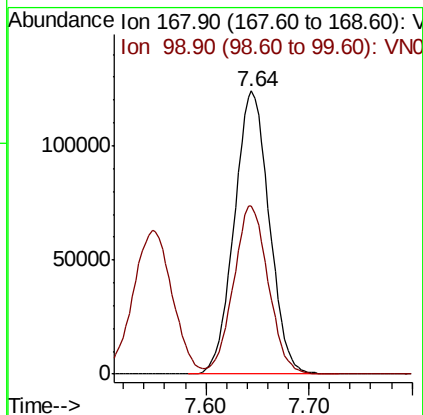
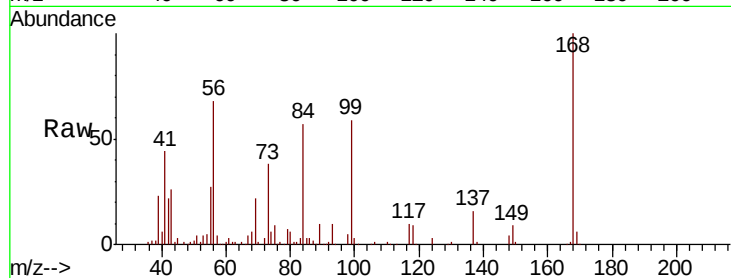
99 59.3 46.6 70.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 44.232 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059537.D

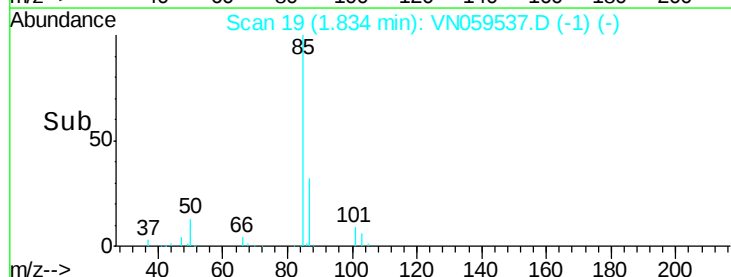
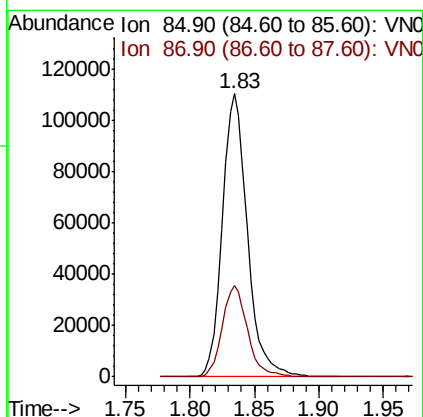
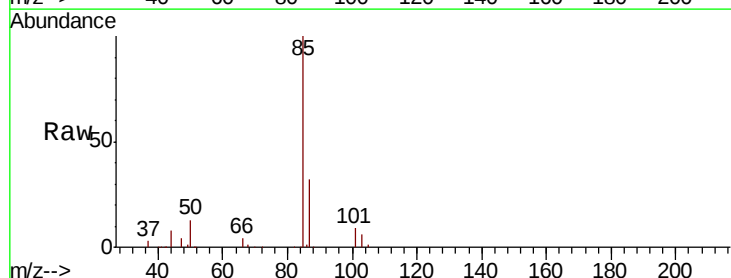
Acq: 10 Dec 2019 10:37

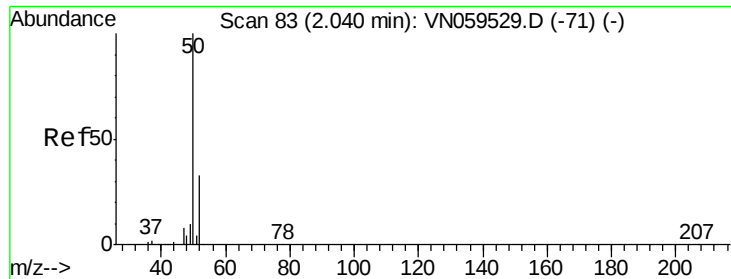
Tgt Ion: 85 Resp: 149082

Ion Ratio Lower Upper

85 100

87 32.4 16.0 48.0





#3

Chloromethane

Concen: 46.723 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 238386

Ion Ratio Lower Upper

50 100

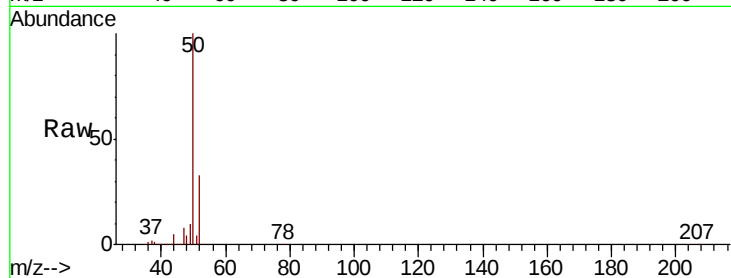
52 32.9 26.2 39.4

Manual Integrations

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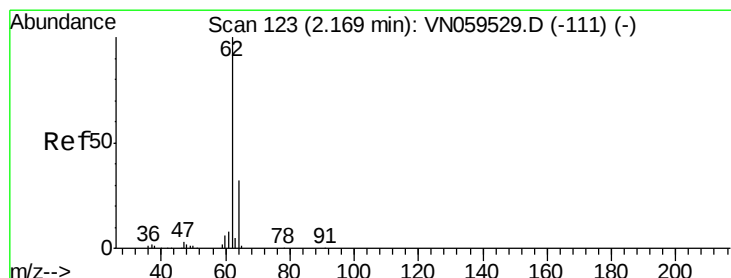
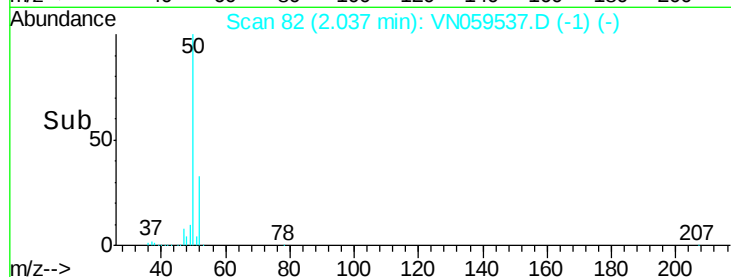
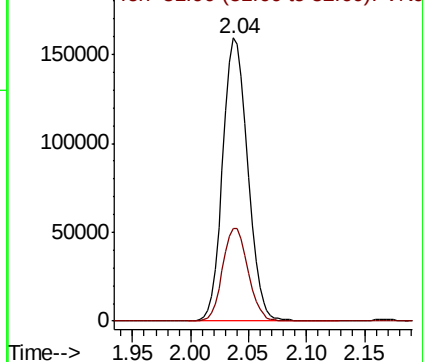
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.489 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059537.D

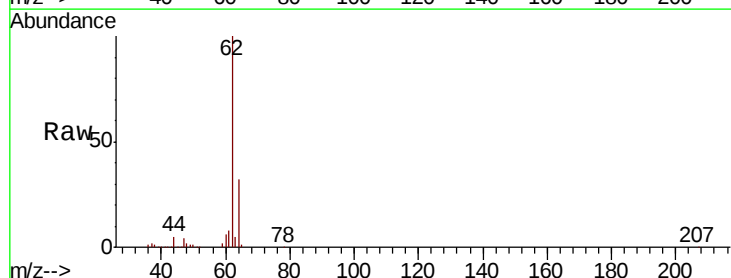
Acq: 10 Dec 2019 10:37

Tgt Ion: 62 Resp: 233792

Ion Ratio Lower Upper

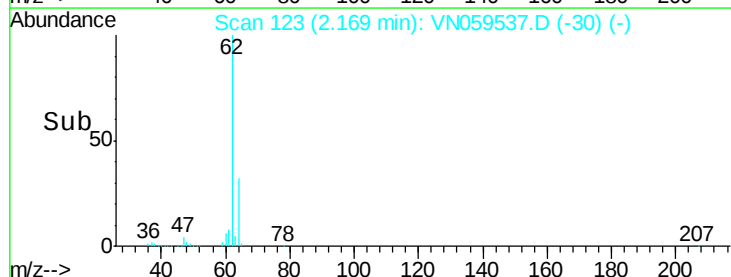
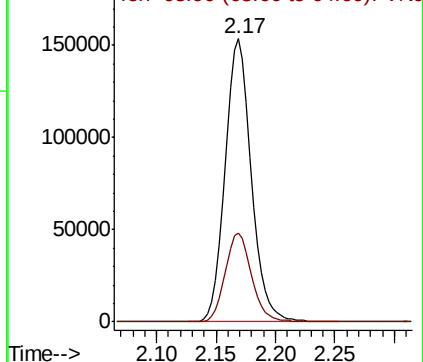
62 100

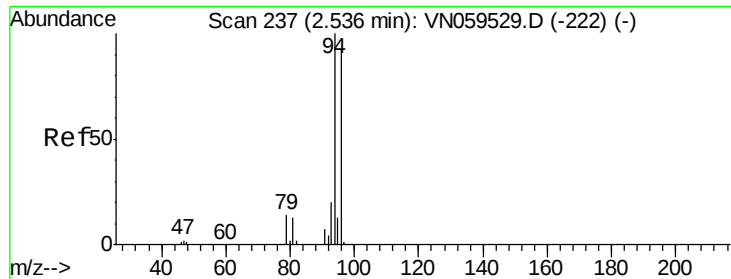
64 31.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 46.203 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

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Tot Ion: 94 Resp: 141525

Ion Ratio Lower Upper

94 100

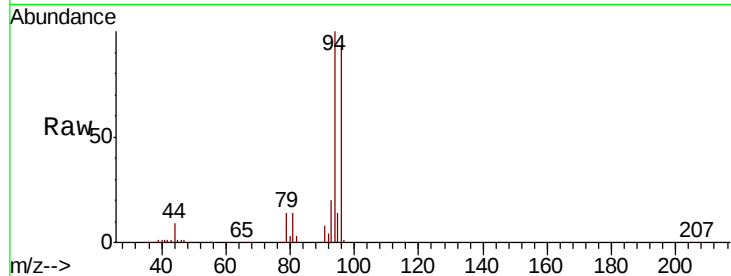
96 92.8 74.6 112.0

Manual Integrations

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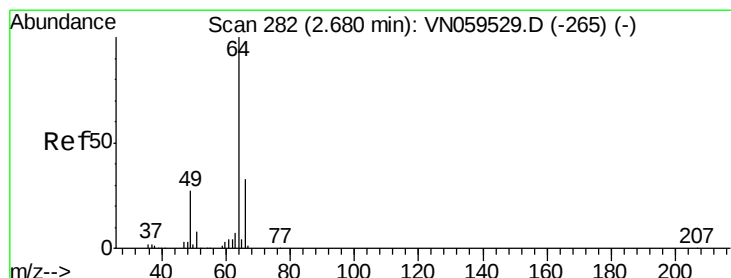
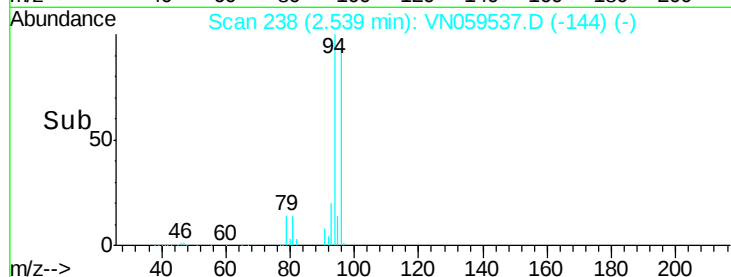
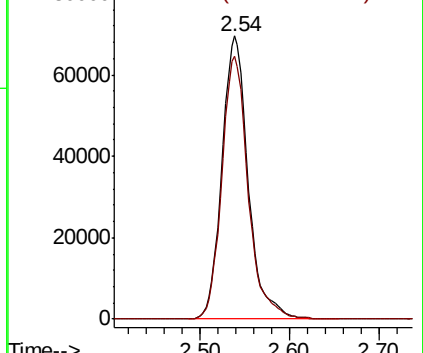
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 46.257 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059537.D

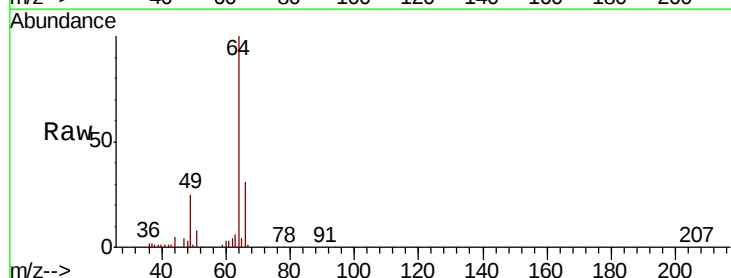
Acq: 10 Dec 2019 10:37

Tgt Ion: 64 Resp: 138909

Ion Ratio Lower Upper

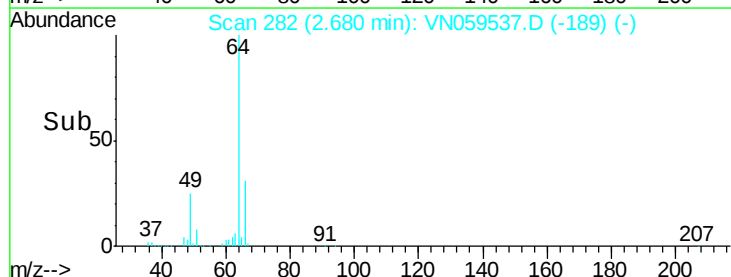
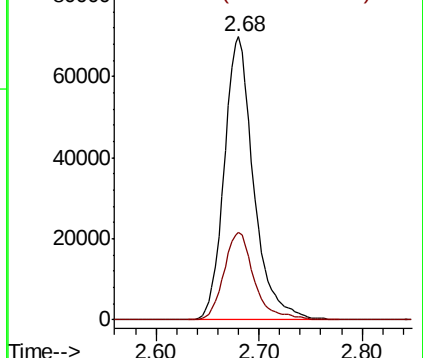
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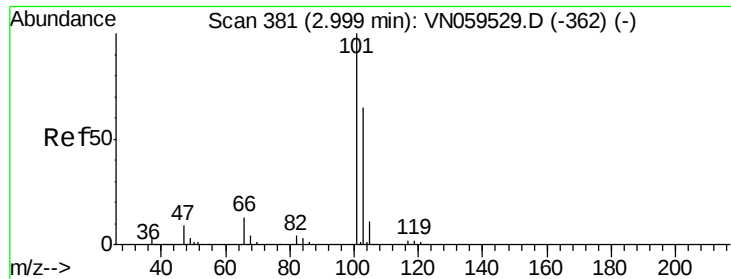
66 31.1 26.7 40.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

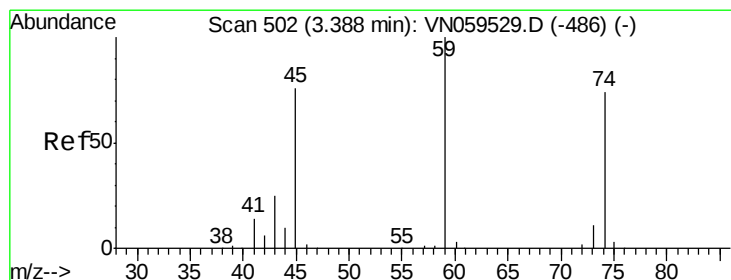
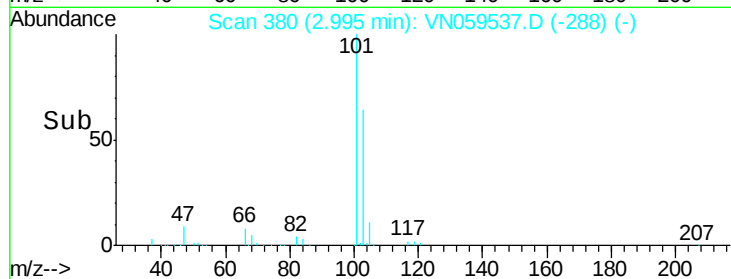
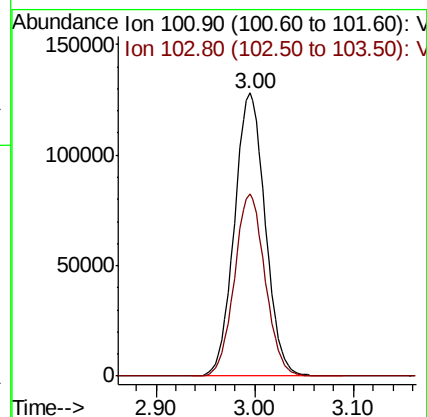
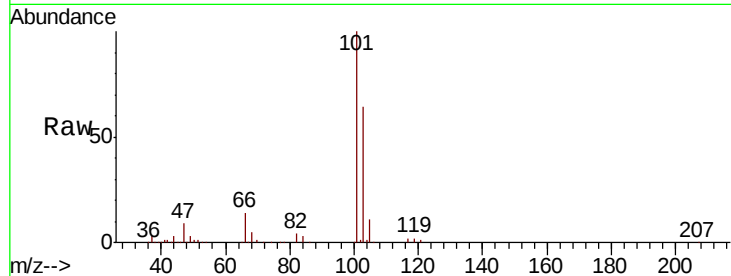
Trichlorofluoromethane
Concen: 46.331 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059537.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.4

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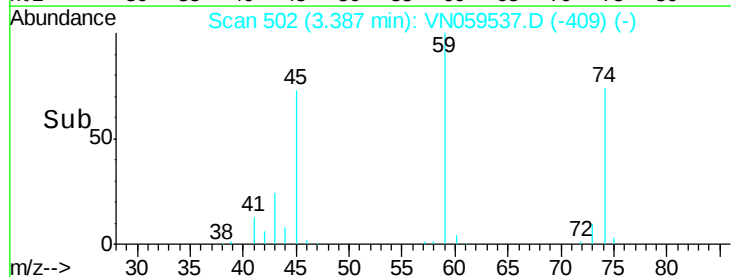
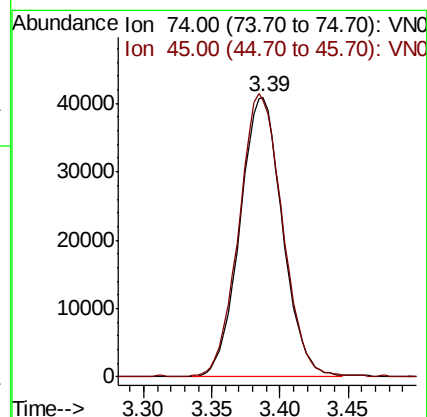
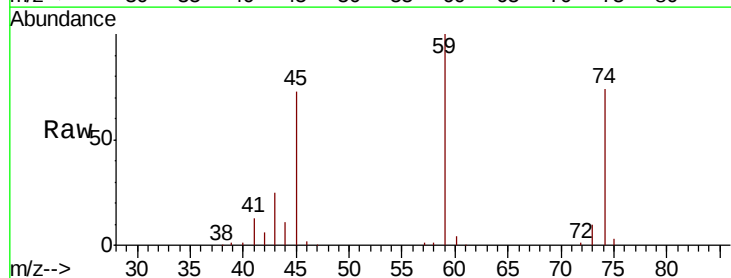
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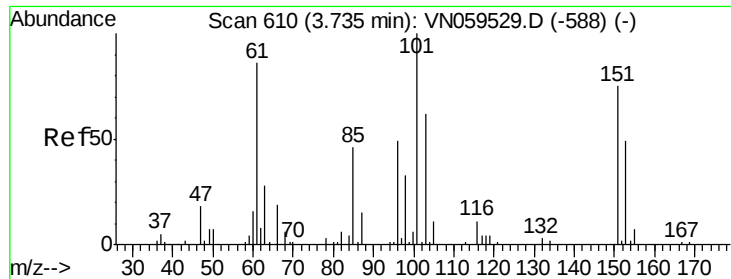


#8

Diethyl Ether
Concen: 43.040 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	52.6	157.9





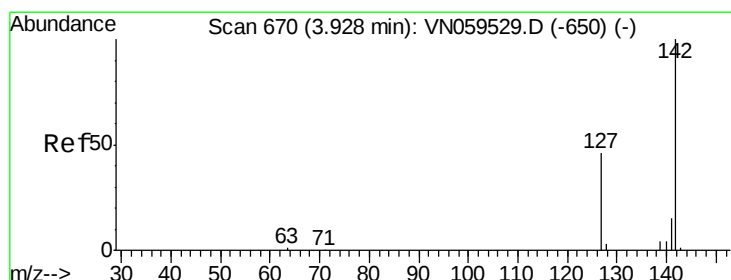
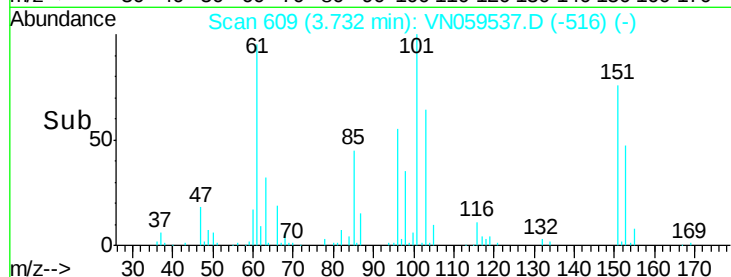
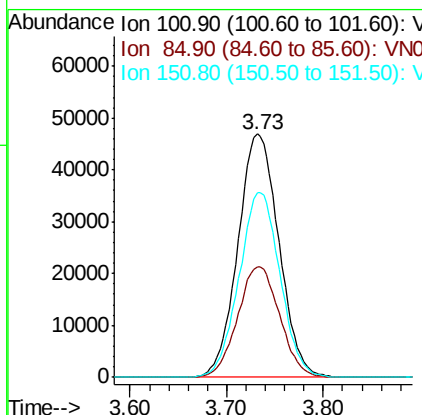
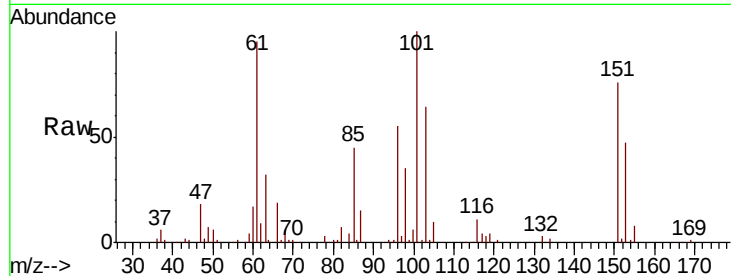
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 44.129 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.6	36.6	54.8
151	76.0	59.3	88.9

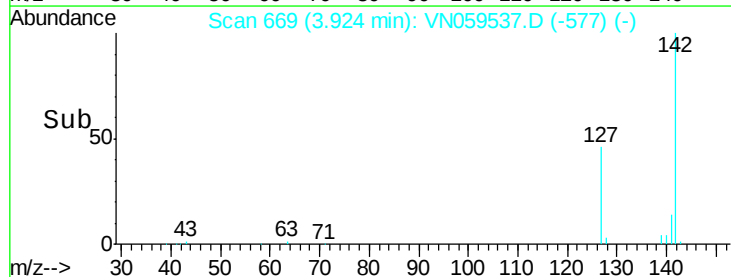
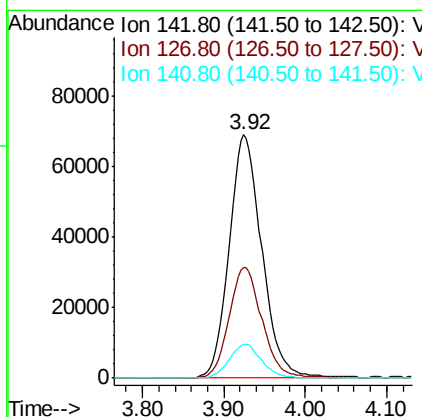
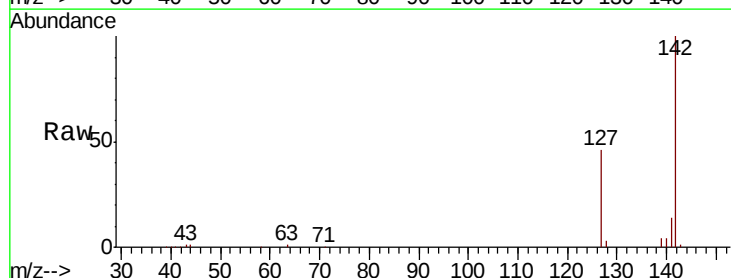
Manual Integrations
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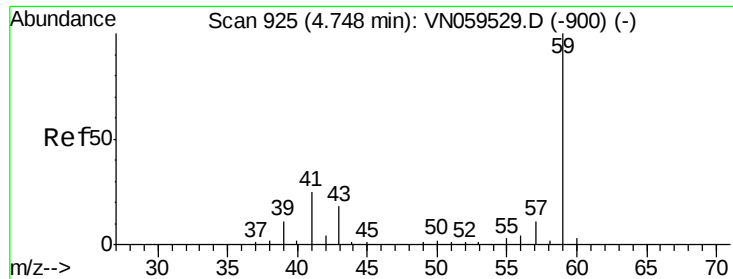
apatel
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#10
 Methyl Iodide
 Concen: 45.453 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.0	36.6	54.8
141	13.8	11.6	17.4





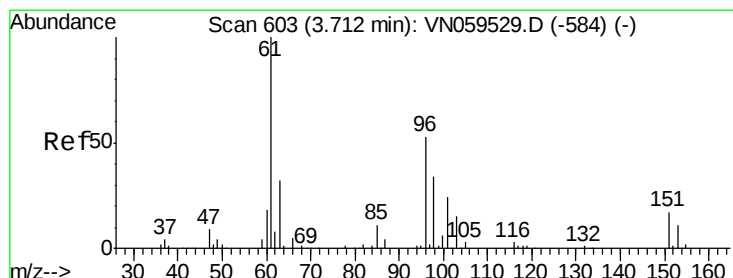
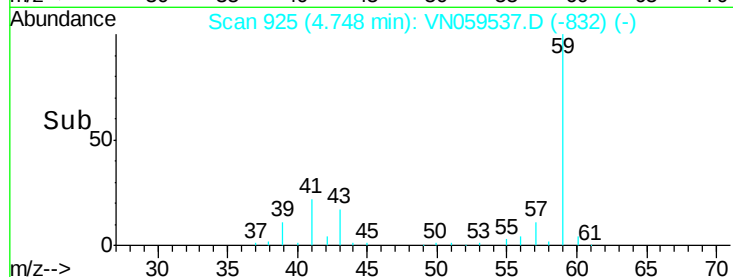
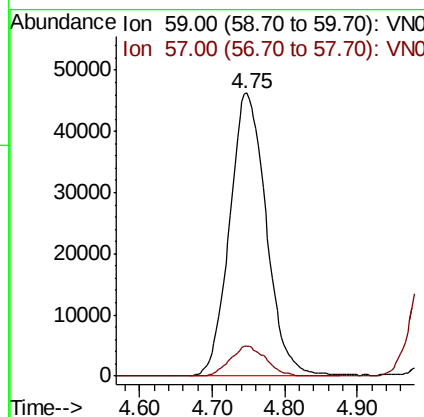
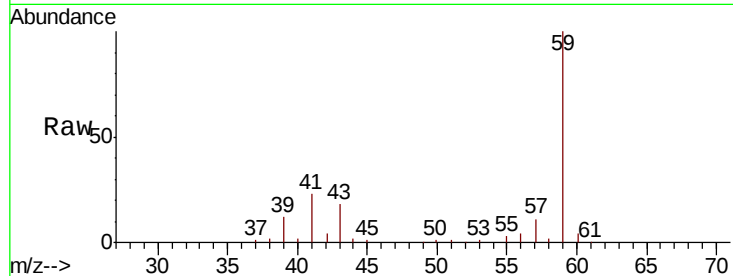
#11
Tert butyl alcohol
Concen: 240.828 ug/l
RT: 4.75 min Scan# 925
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 59 Resp: 162719
Ion Ratio Lower Upper
59 100
57 10.3 8.6 13.0

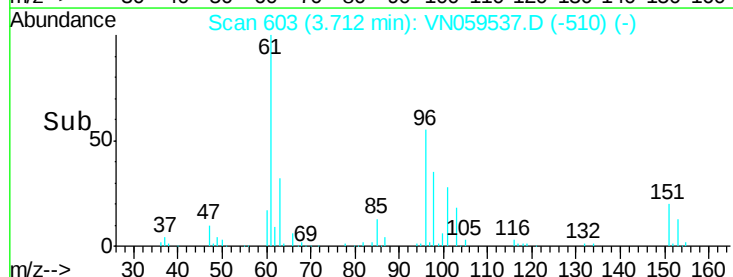
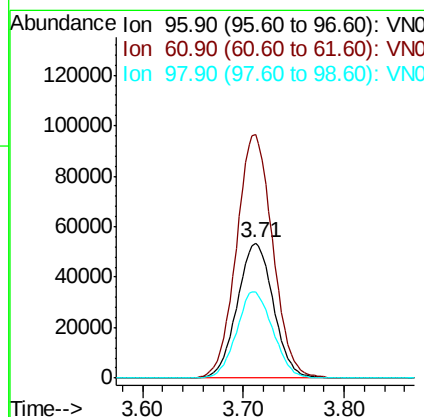
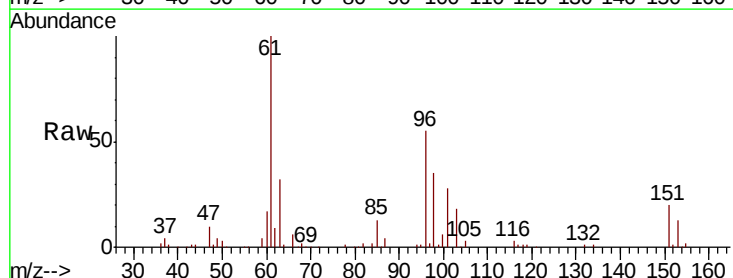
Manual Integrations
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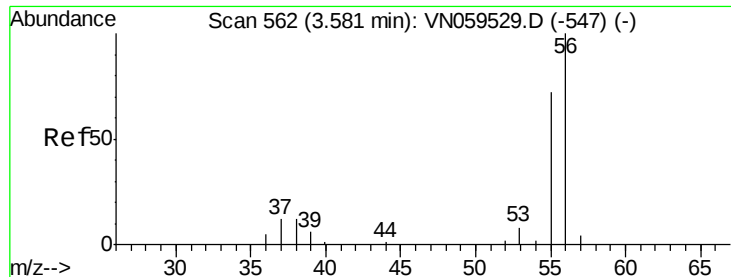
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#12
1,1-Dichloroethene
Concen: 43.764 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion: 96 Resp: 133107
Ion Ratio Lower Upper
96 100
61 180.2 149.8 224.6
98 63.5 50.6 75.8





#13

Acrolein

Concen: 361.184 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 118757

Ion Ratio Lower Upper

56 100

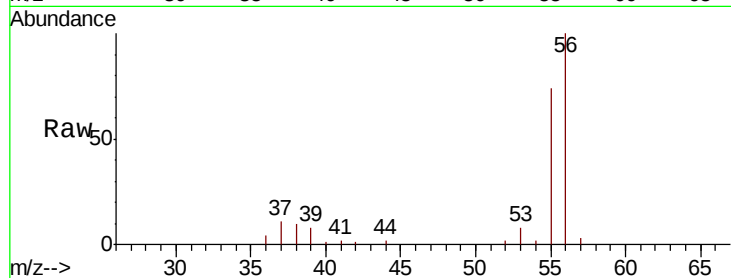
55 72.7 56.9 85.3

Manual Integrations

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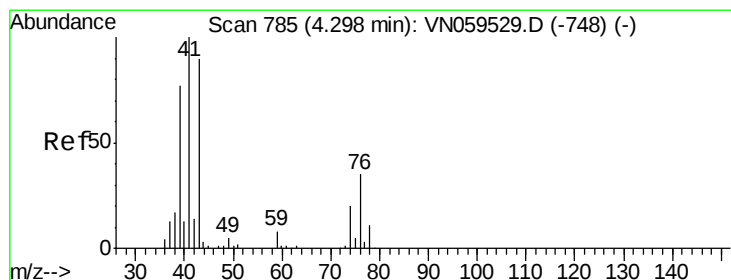
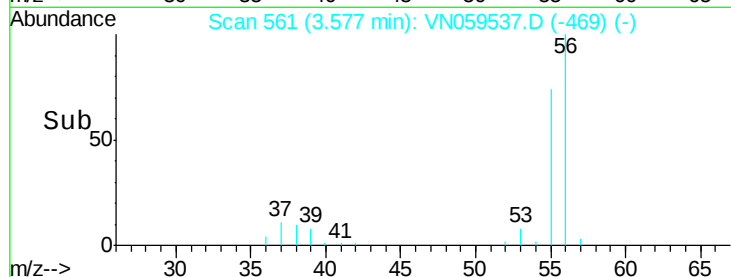
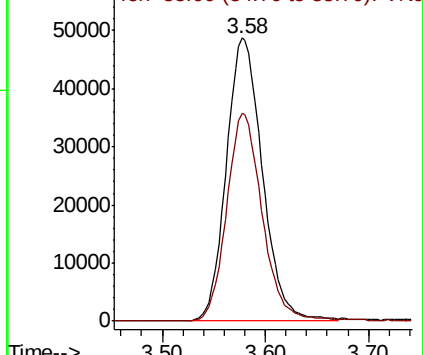
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.399 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

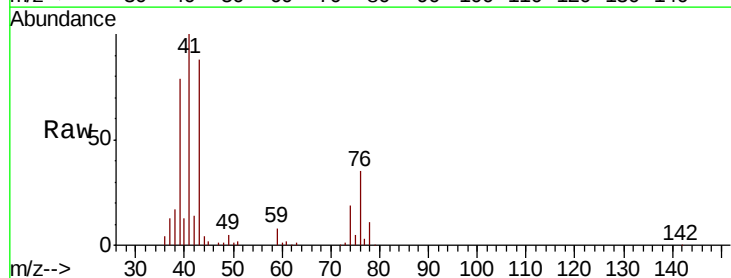
Tgt Ion: 41 Resp: 248064

Ion Ratio Lower Upper

41 100

39 79.2 56.7 85.1

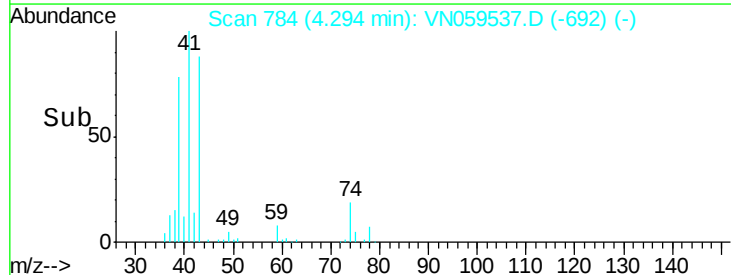
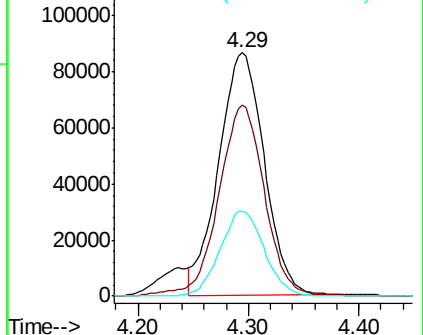
76 34.1 25.5 38.3

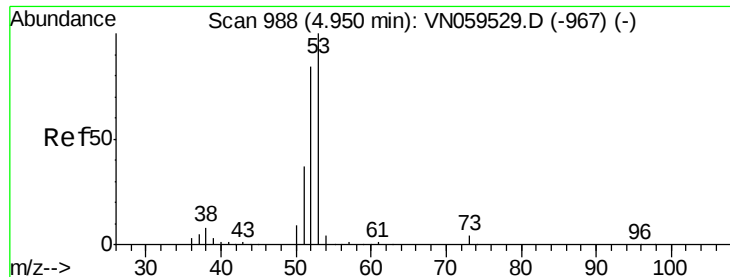


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 237.248 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

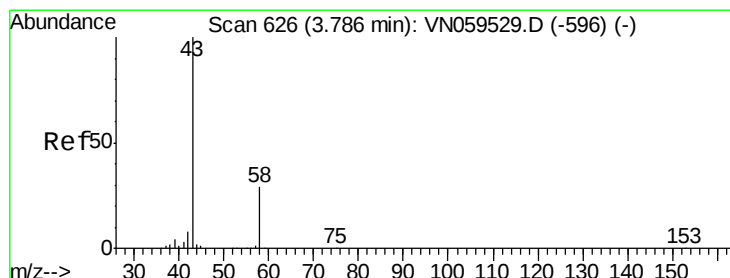
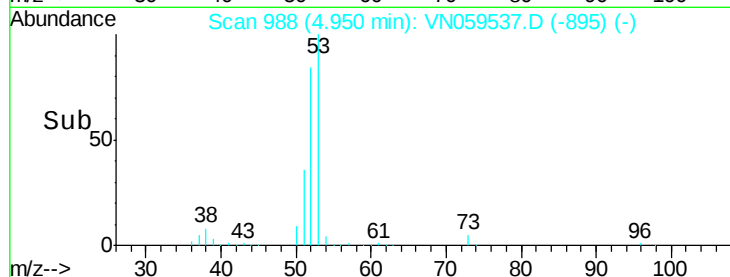
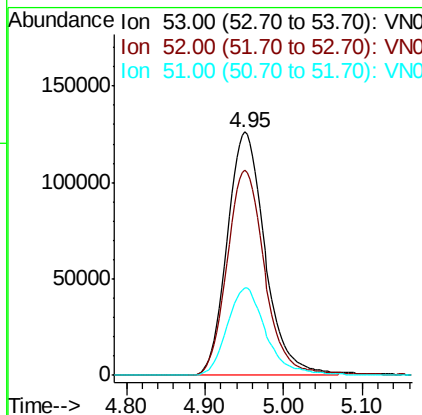
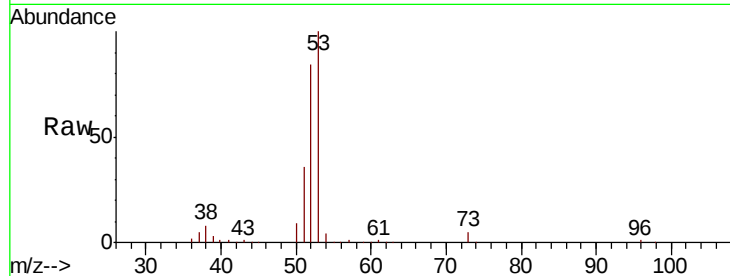
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	422786
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.6	99.8
51	37.0	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 219.201 ug/l

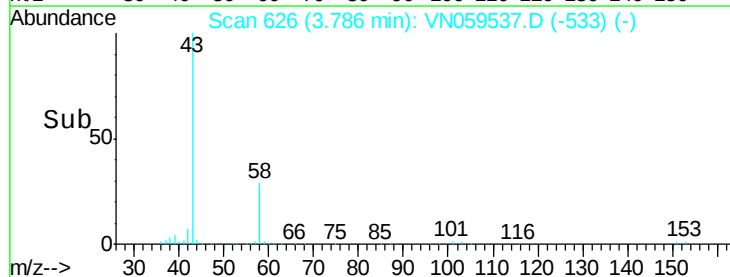
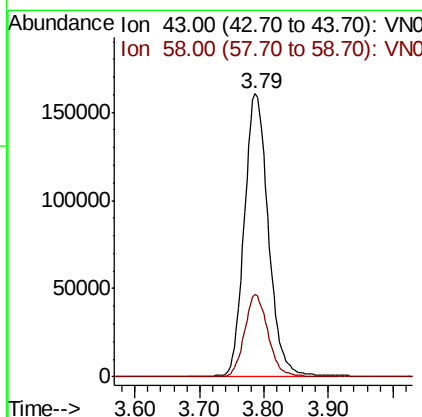
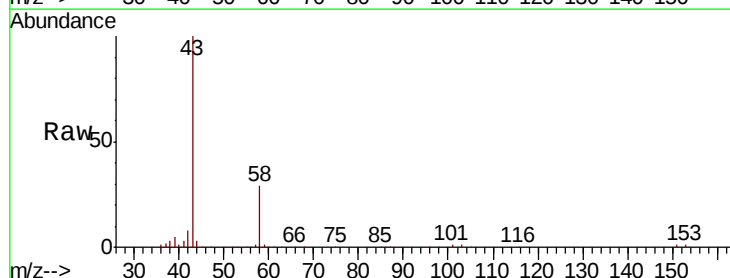
RT: 3.79 min Scan# 626

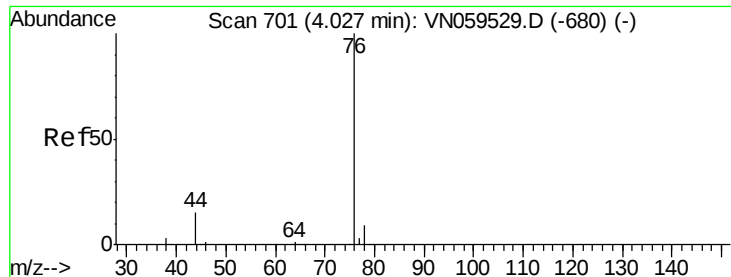
Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Tgt Ion:	43	Resp:	418207
Ion	Ratio	Lower	Upper
43	100		
58	29.1	23.0	34.4





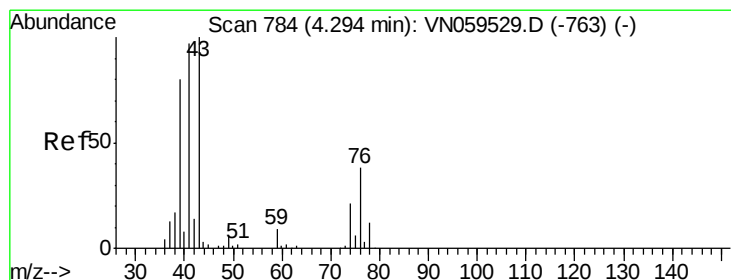
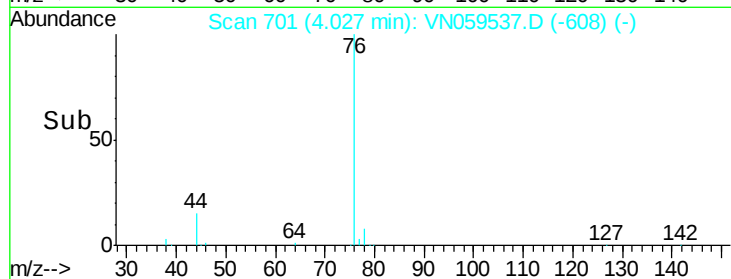
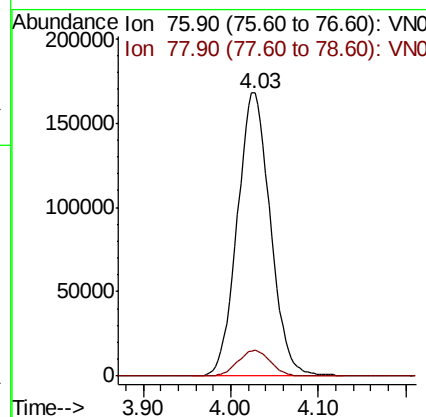
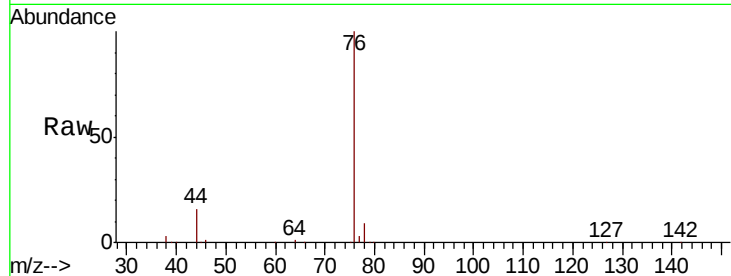
#17
Carbon Disulfide
Concen: 45.624 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.2

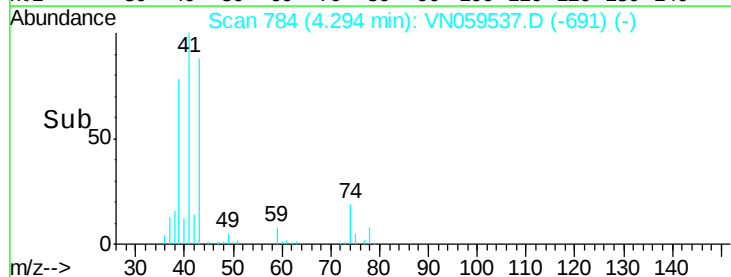
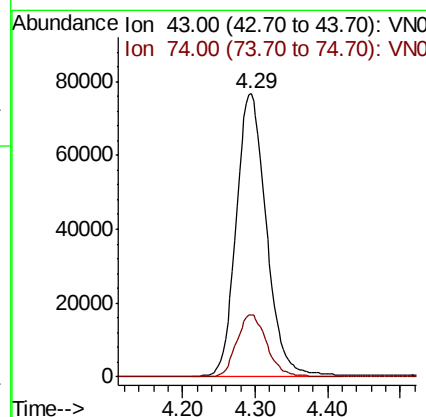
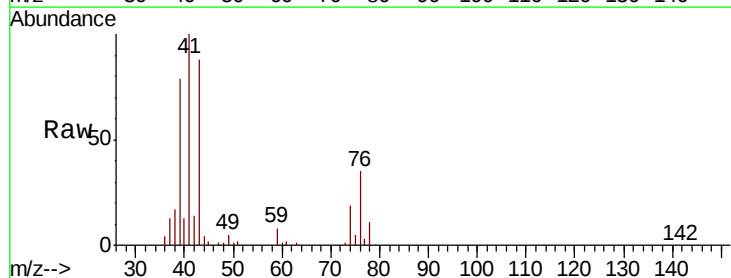
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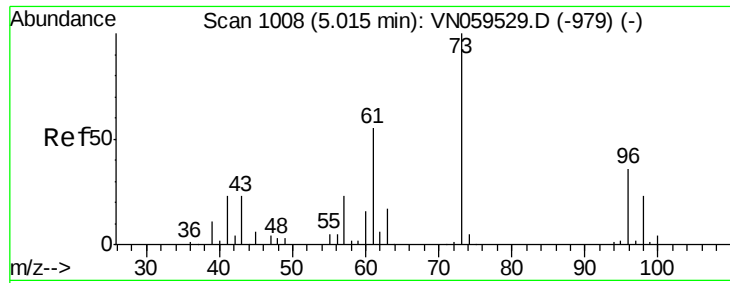
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#18
Methyl Acetate
Concen: 44.166 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.5	26.3





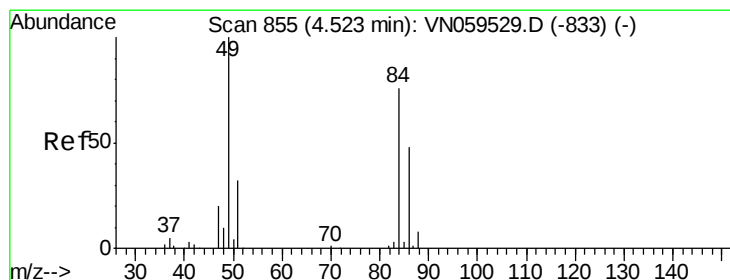
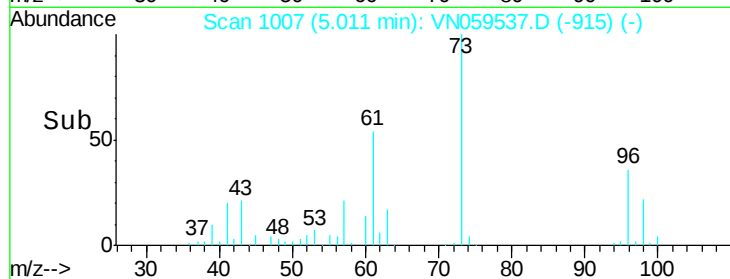
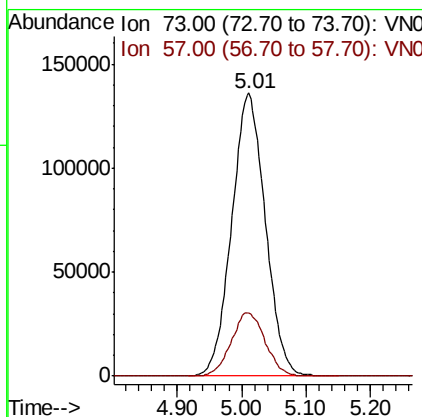
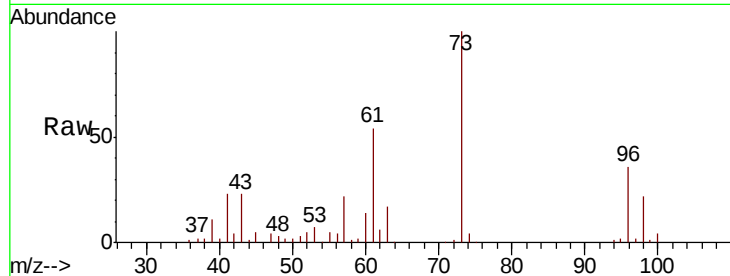
#19
Methvl tert-butvl Ether
Concen: 48.877 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 494155
Ion Ratio Lower Upper
73 100
57 22.3 18.3 27.5

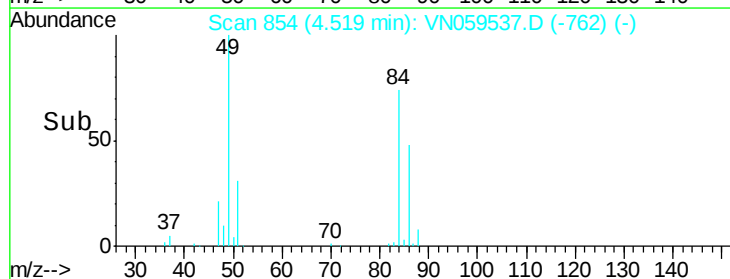
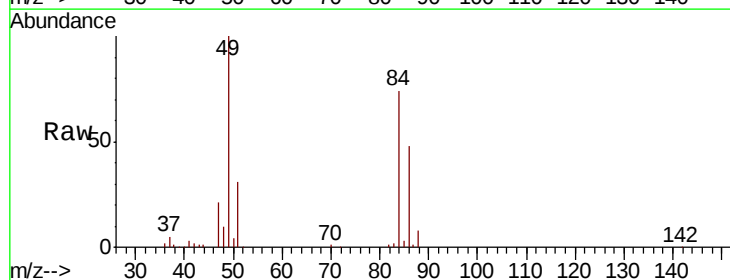
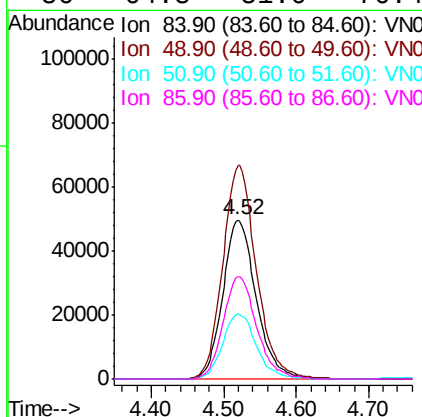
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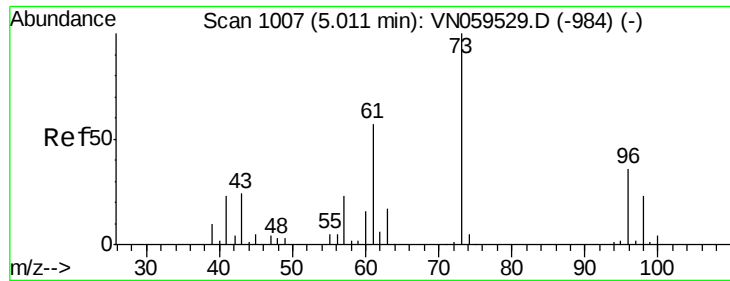
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#20
Methylene Chloride
Concen: 46.185 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion: 84 Resp: 158858
Ion Ratio Lower Upper
84 100
49 134.4 105.8 158.8
51 41.0 33.7 50.5
86 64.8 51.0 76.4





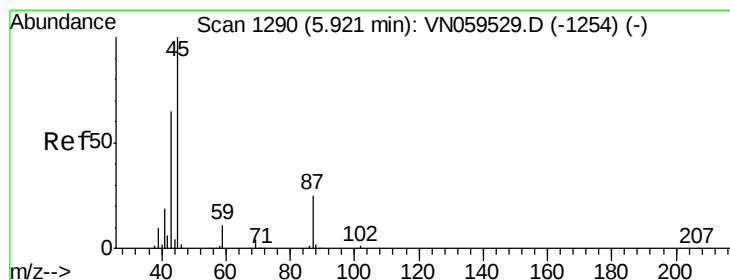
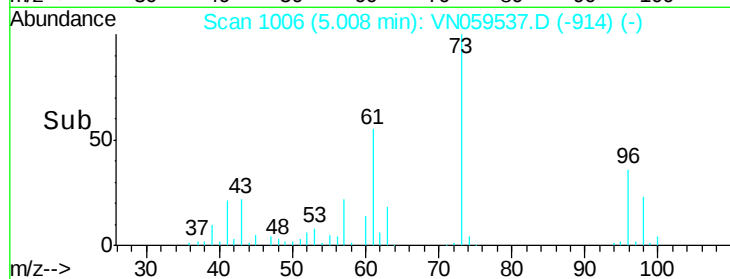
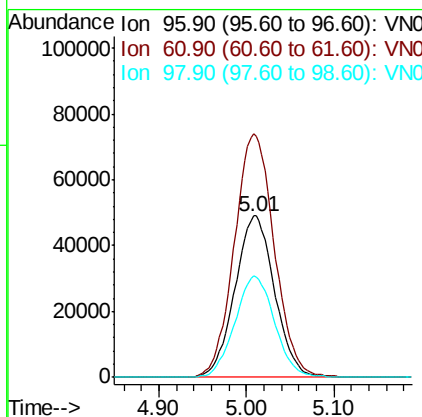
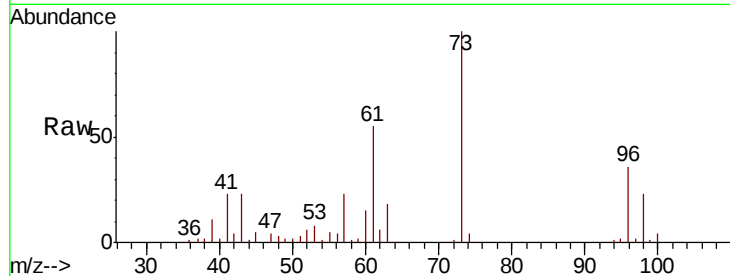
#21
trans-1,2-Dichloroethene
Concen: 47.209 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	124.8	187.2
98	62.8	51.0	76.4

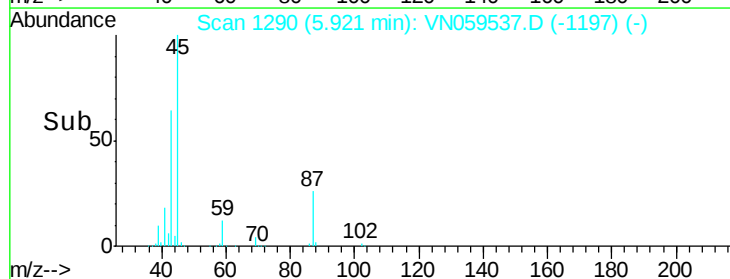
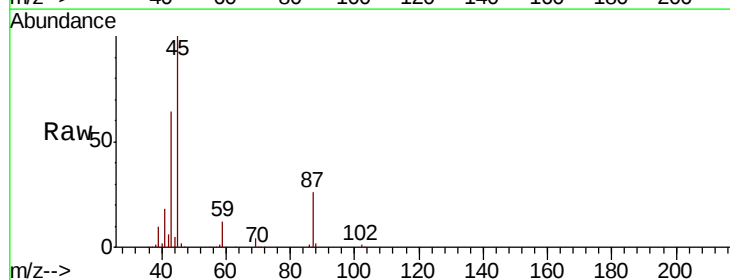
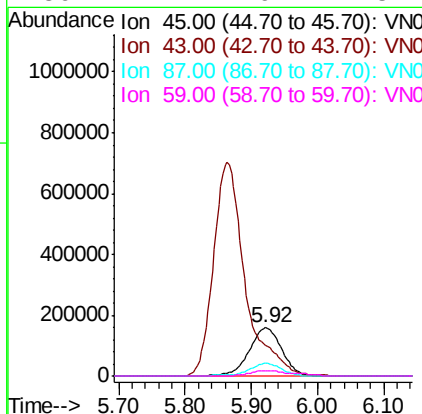
Manual Integrations
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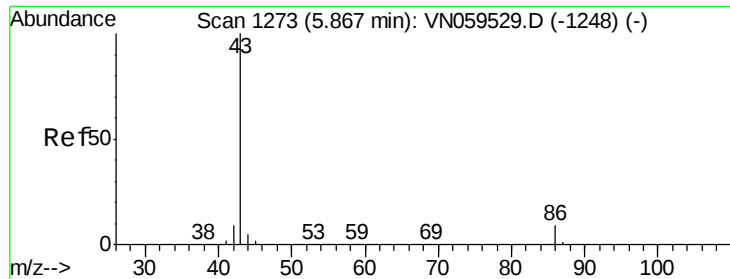
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#22
Diisopropyl ether
Concen: 48.683 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.2	52.8	79.2
87	26.1	20.2	30.4
59	11.2	9.1	13.7





#23

Vinyl Acetate

Concen: 250.662 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2328928

Ion Ratio Lower Upper

43 100

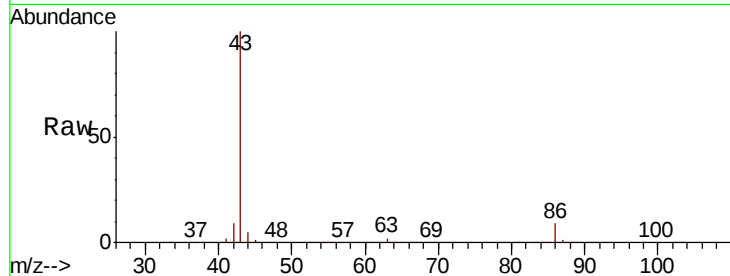
86 9.3 7.4 11.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN059529.D (-1248) (-)

Ion 86.00 (85.70 to 86.70): VN059529.D (-1248) (-)

5.86

800000

600000

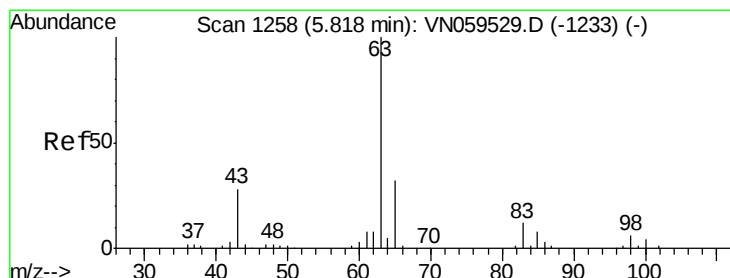
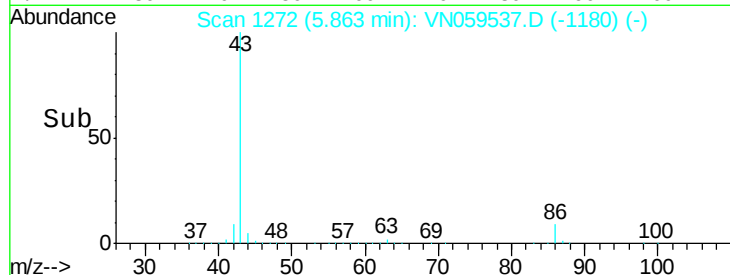
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 47.642 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

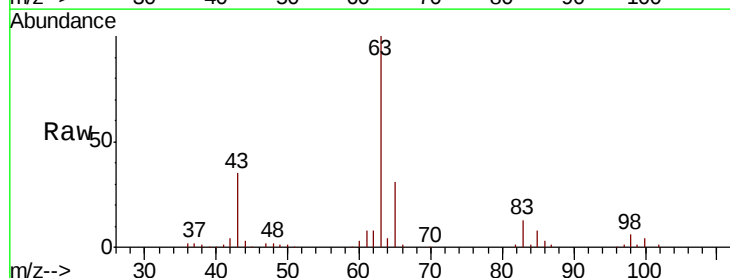
Tgt Ion: 63 Resp: 301279

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.0

100 3.9 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN059529.D (-1233) (-)

Ion 97.90 (97.60 to 98.60): VN059529.D (-1233) (-)

Ion 99.90 (99.60 to 100.60): VN059529.D (-1233) (-)

120000

100000

80000

60000

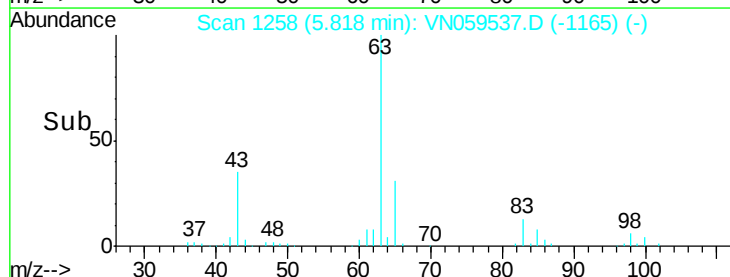
40000

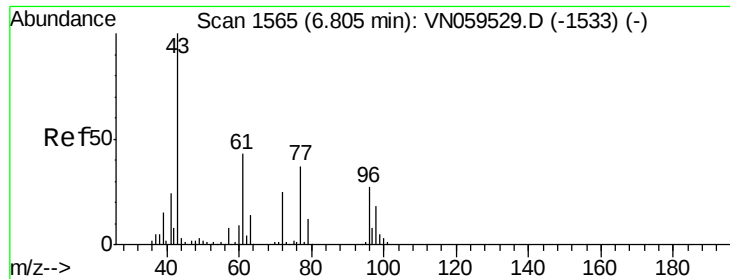
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 245.295 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 629932

Ion Ratio Lower Upper

43 100

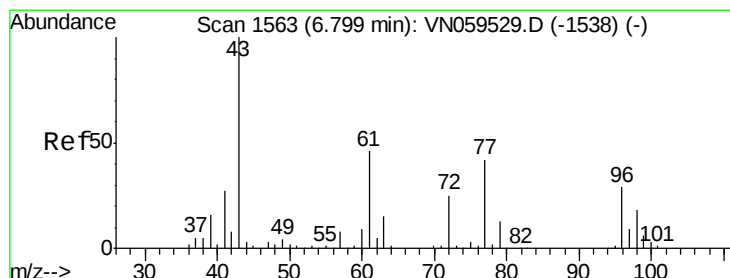
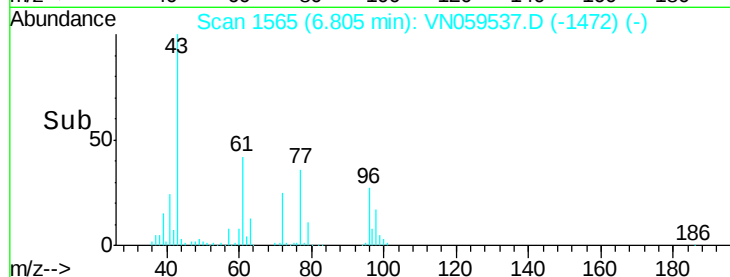
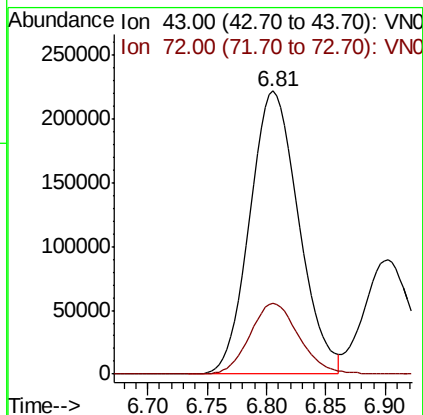
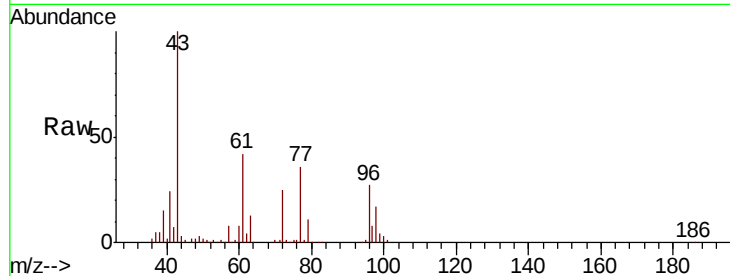
72 25.1 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 47.436 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059537.D

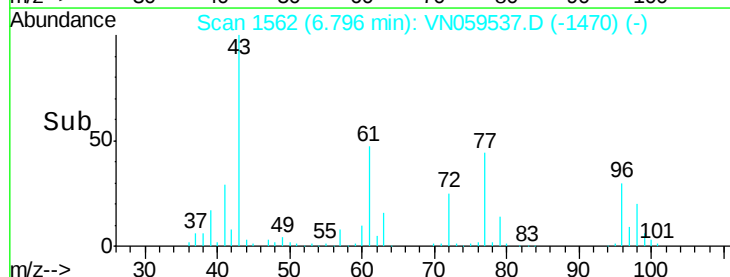
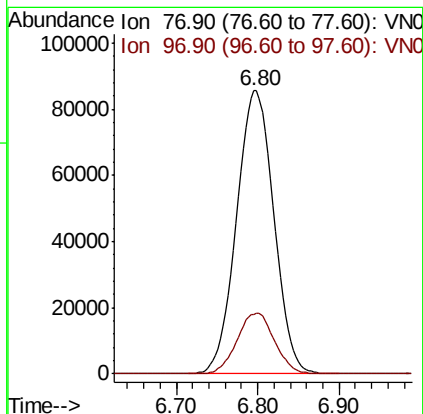
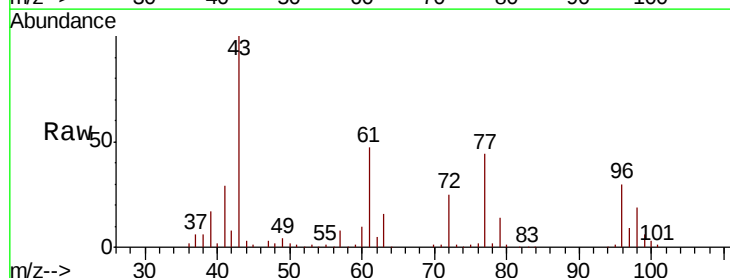
Acq: 10 Dec 2019 10:37

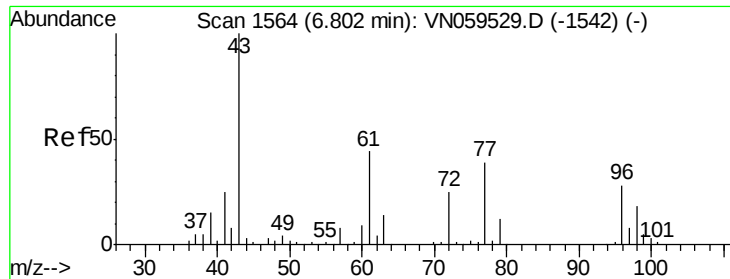
Tgt Ion: 77 Resp: 271004

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 47.403 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

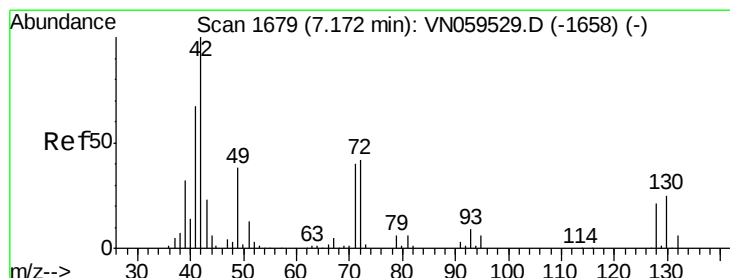
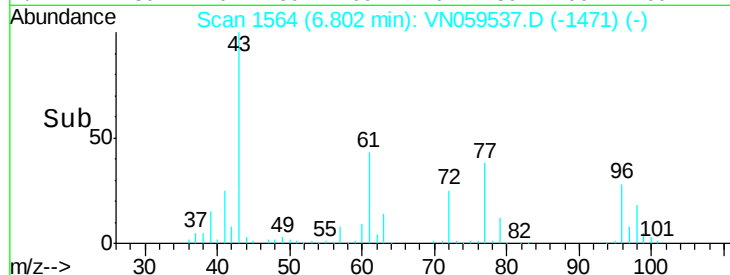
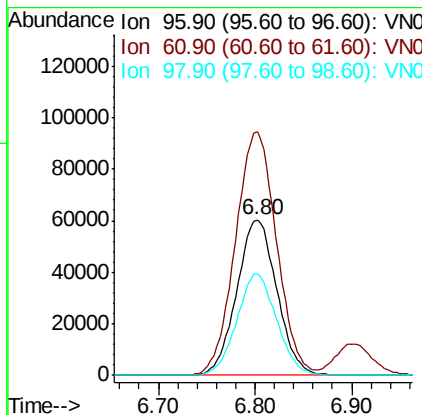
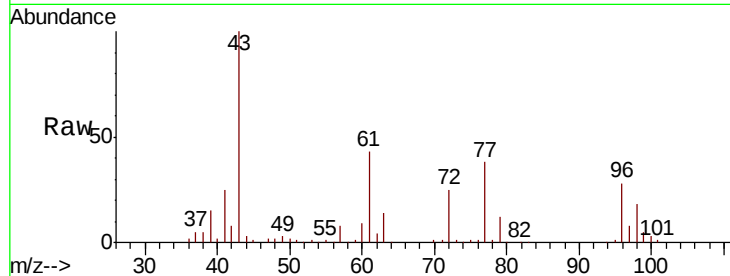
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	174050
Ion Ratio	Lower	Upper	
96	100		
61	160.5	0.0	320.0
98	64.7	0.0	128.6

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#28

Bromochloromethane

Concen: 55.086 ug/l

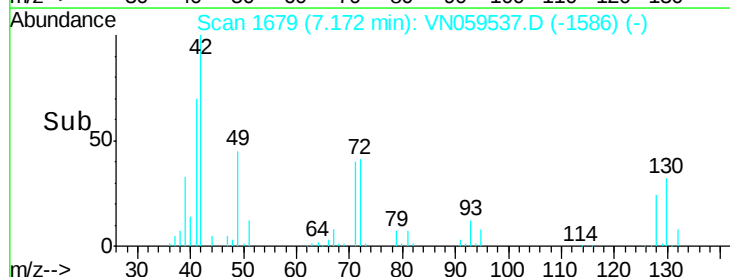
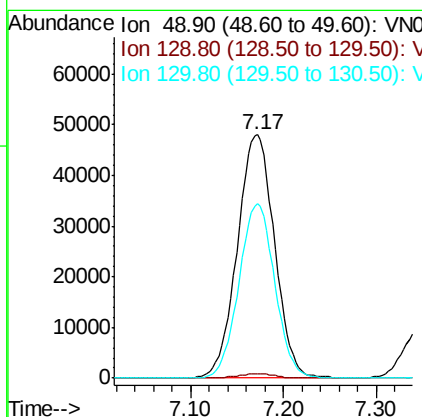
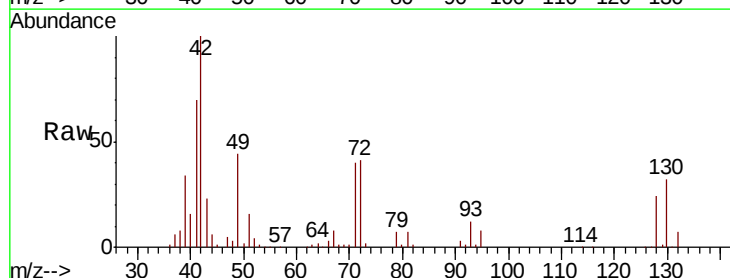
RT: 7.17 min Scan# 1679

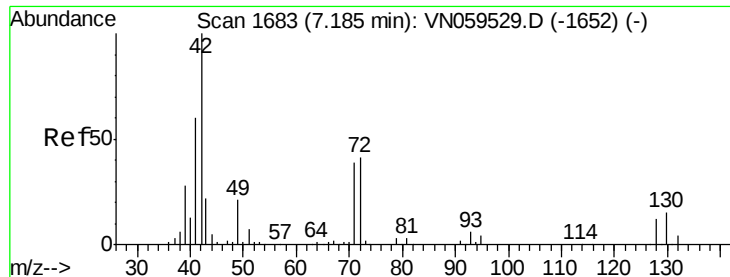
Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Tgt Ion:	49	Resp:	133808
Ion Ratio	Lower	Upper	
49	100		
129	0.9	0.0	3.0
130	69.2	54.2	81.2





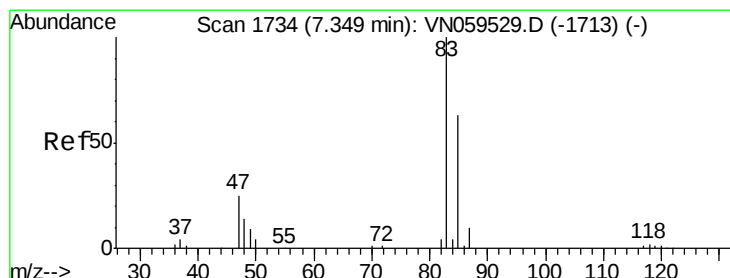
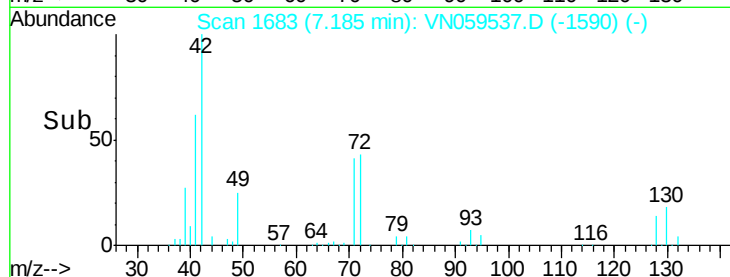
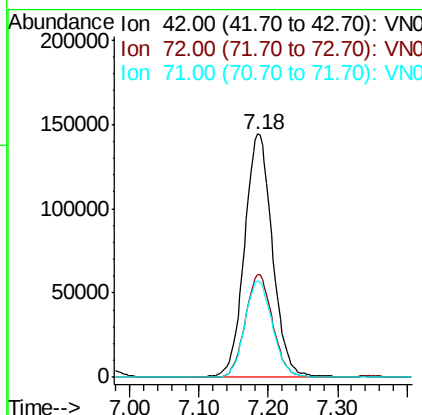
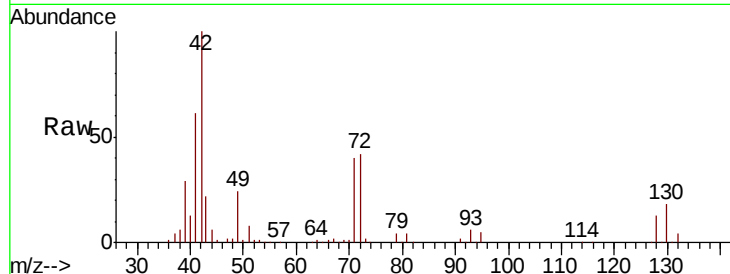
#29
Tetrahydrofuran
Concen: 225.029 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.7	49.1
71	39.5	31.4	47.2

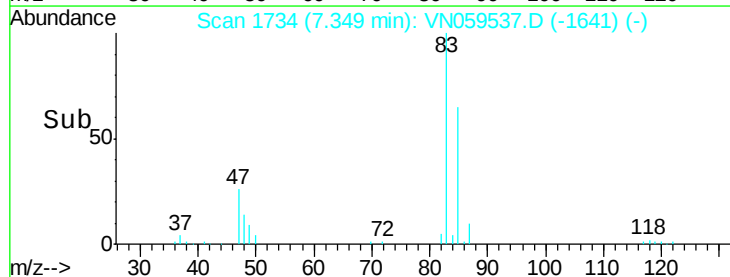
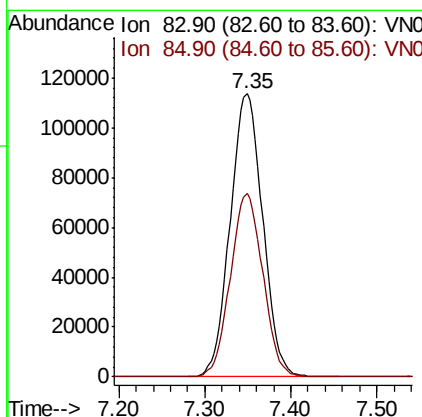
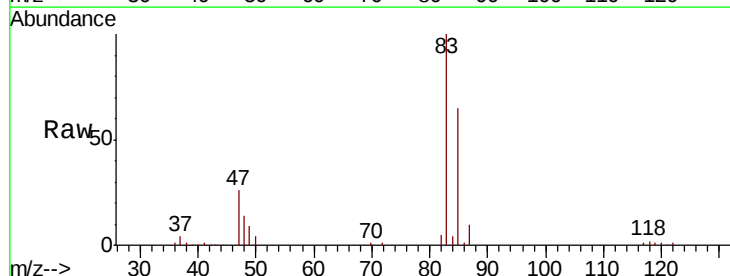
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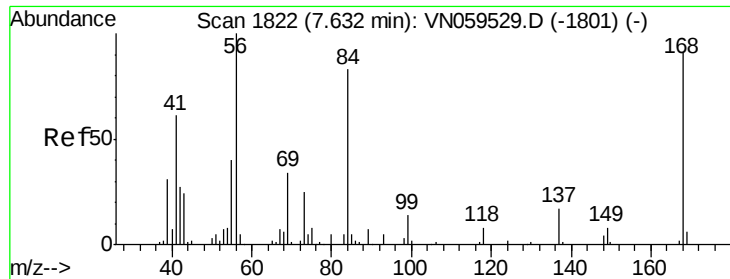
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#30
Chloroform
Concen: 47.916 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.6	75.8





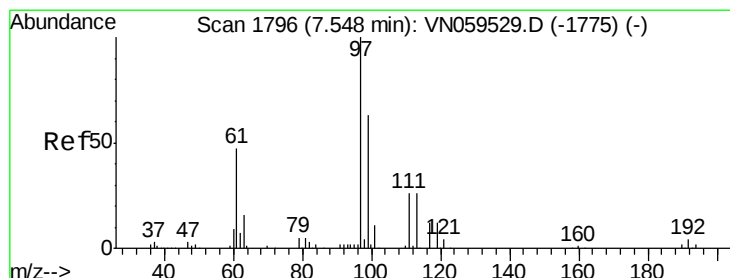
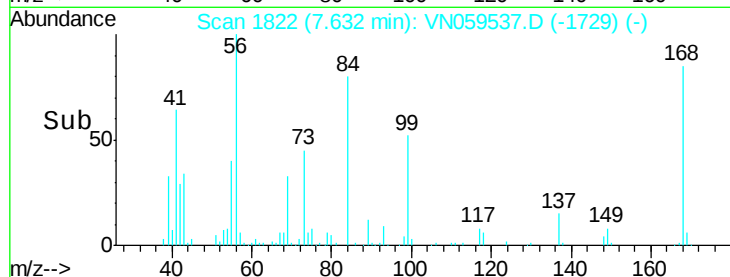
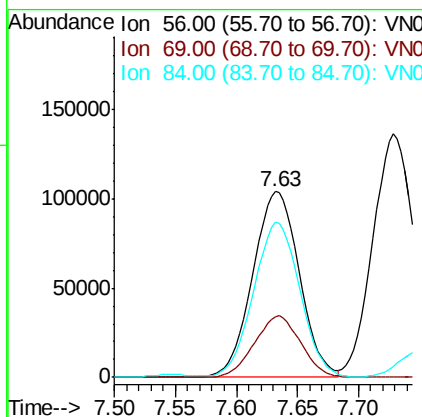
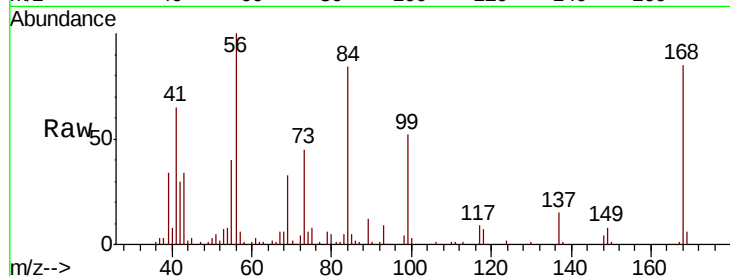
#31
Cyclohexane
Concen: 44.883 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.9	40.3
84	82.5	66.5	99.7

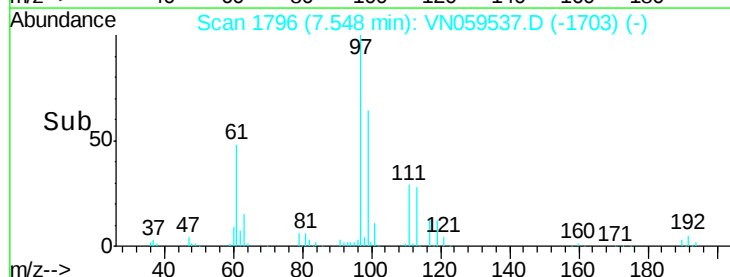
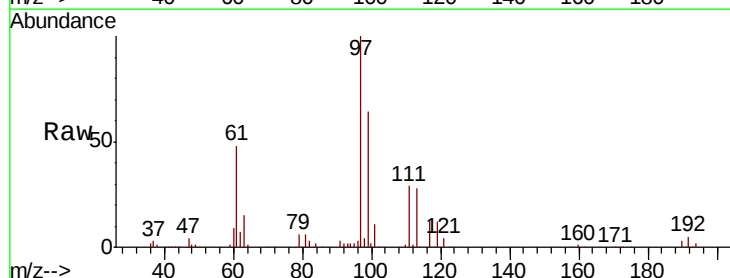
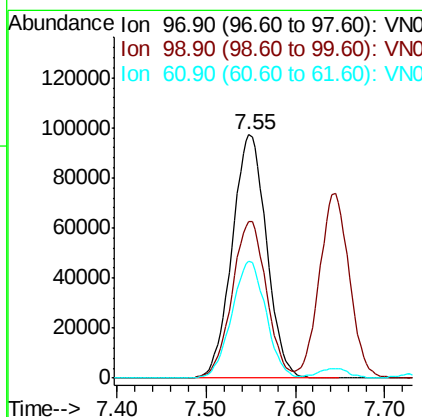
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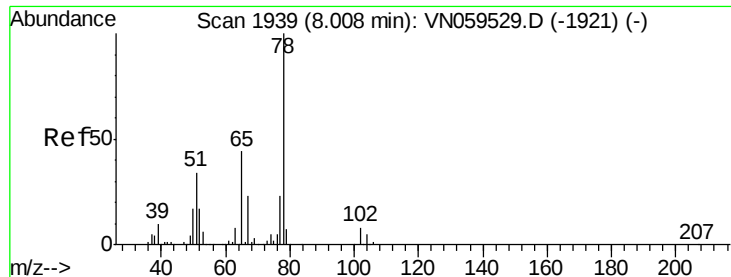
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#32
1,1,1-Trichloroethane
Concen: 47.080 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	47.7	38.5	57.7





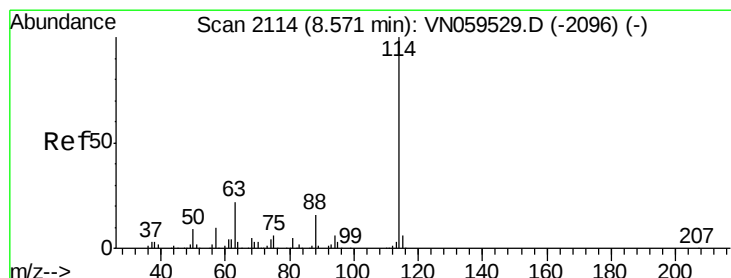
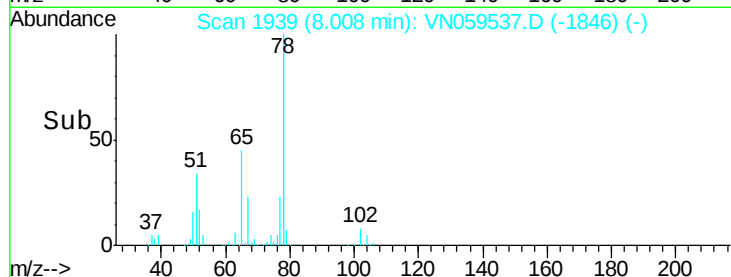
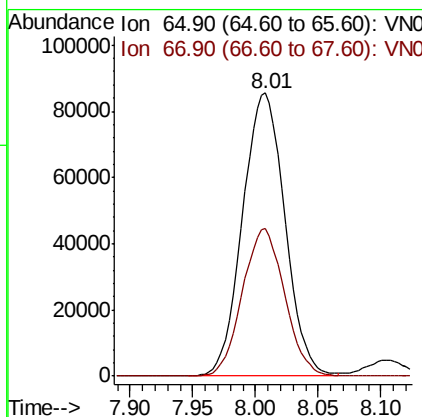
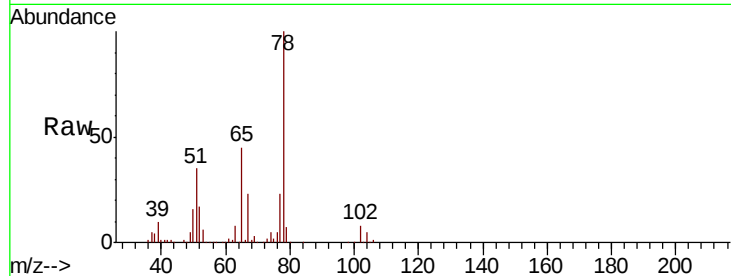
#33
 1,2-Dichloroethane-d4
 Concen: 49.292 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	201315		
67	51.8	0.0	103.6	

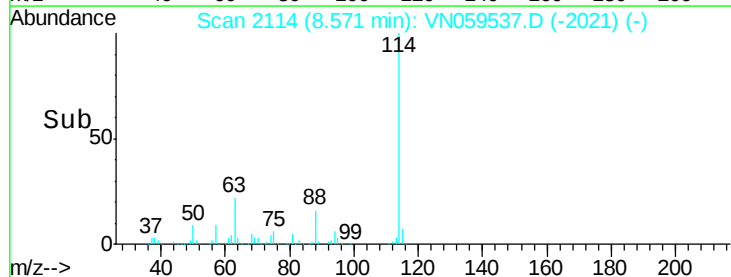
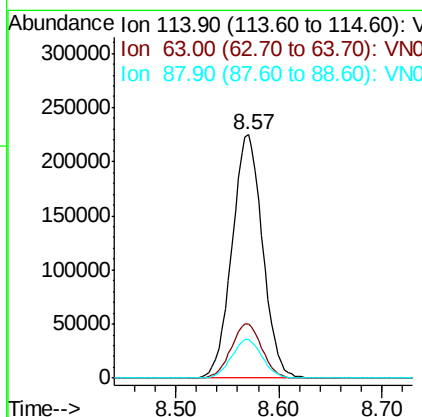
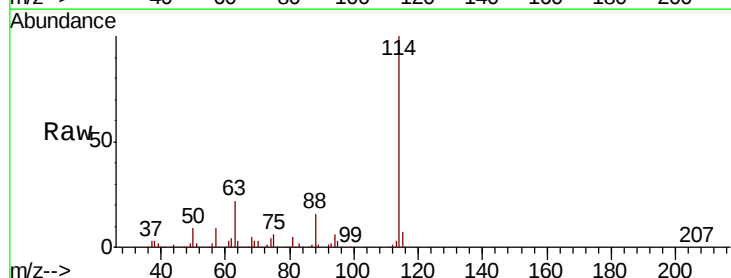
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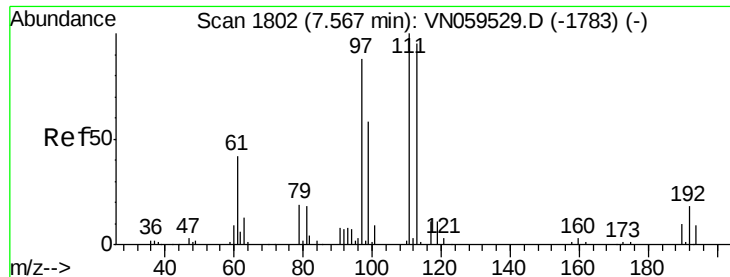
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	463200		
63	22.4	0.0	45.0	
88	16.1	0.0	32.2	





#35

Dibromofluoromethane

Concen: 51.950 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

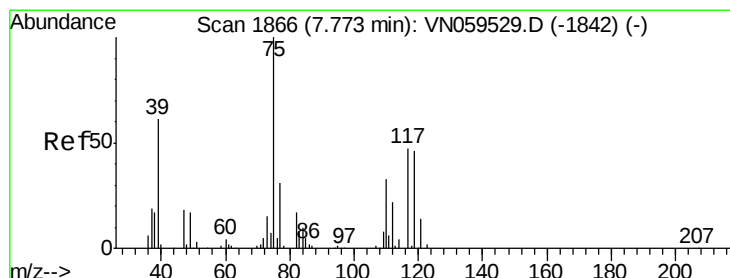
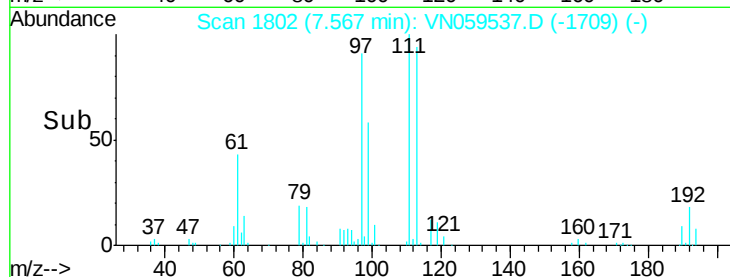
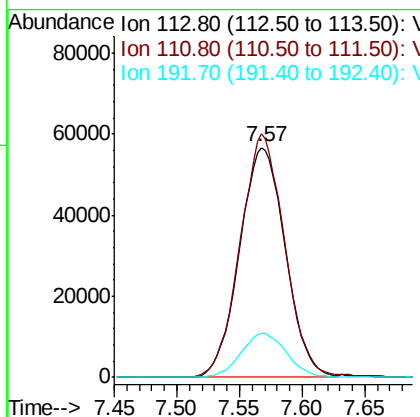
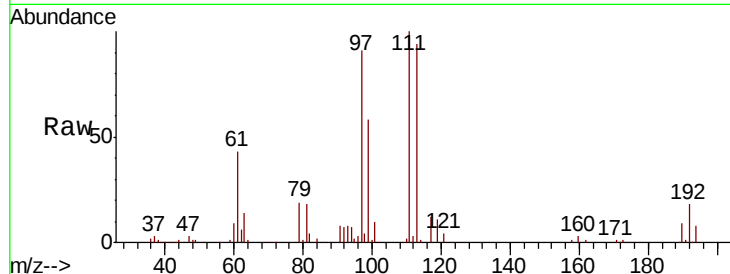
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	143596
Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.2	123.4
192	19.0	14.8	22.2

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#36

1,1-Dichloropropene

Concen: 48.157 ug/l

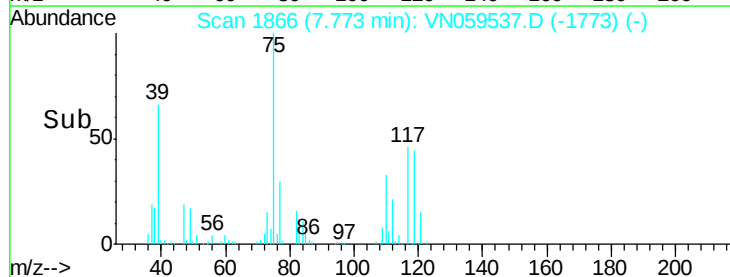
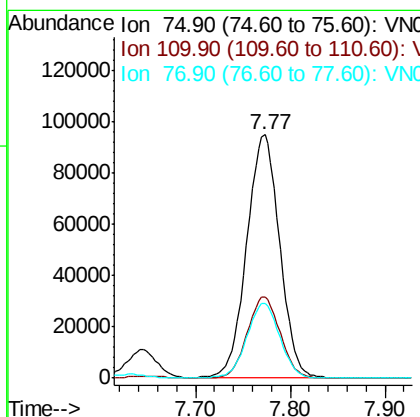
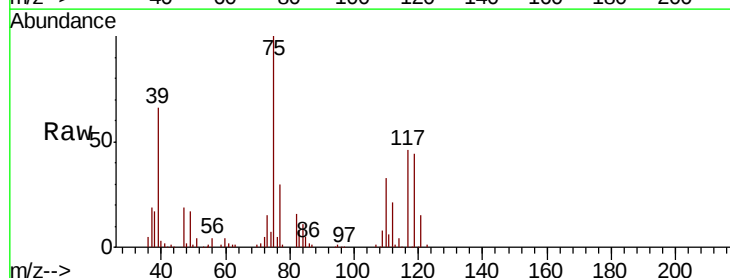
RT: 7.77 min Scan# 1866

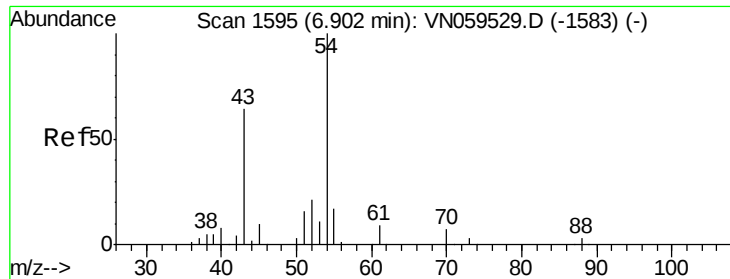
Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Tgt Ion:	75	Resp:	228854
Ion	Ratio	Lower	Upper
75	100		
110	33.4	16.7	50.0
77	30.9	24.6	37.0





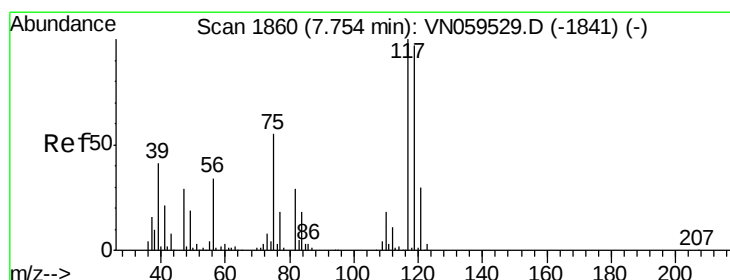
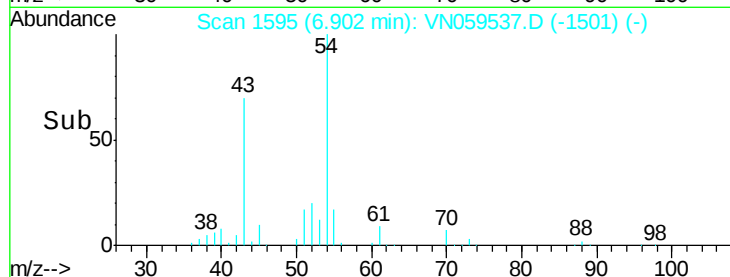
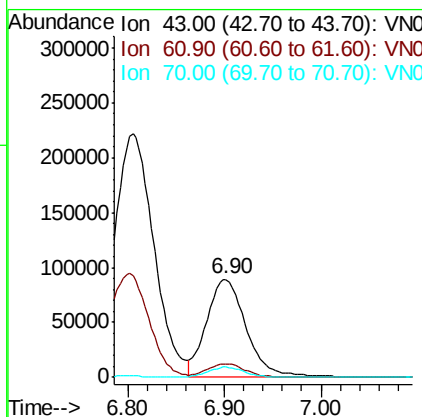
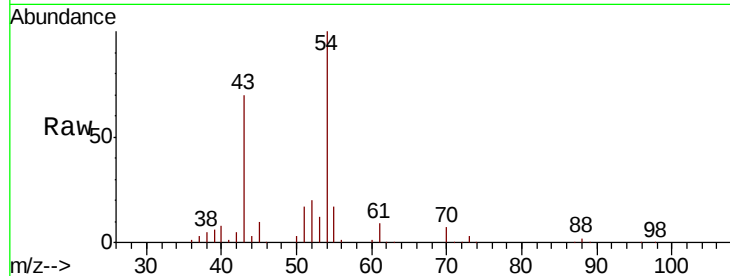
#37
Ethyl Acetate
Concen: 45.496 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.0	16.6
70	9.7	7.7	11.5

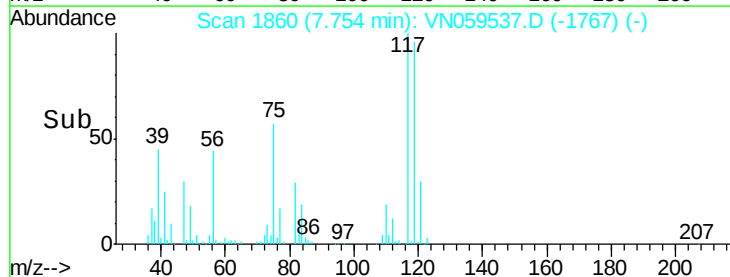
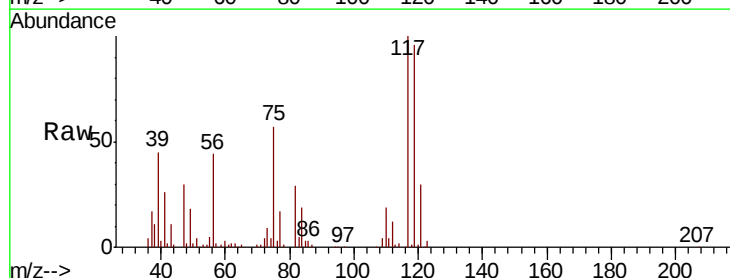
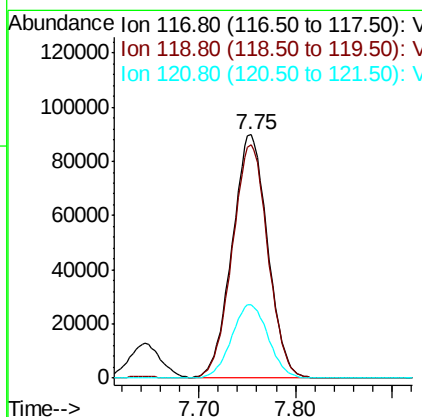
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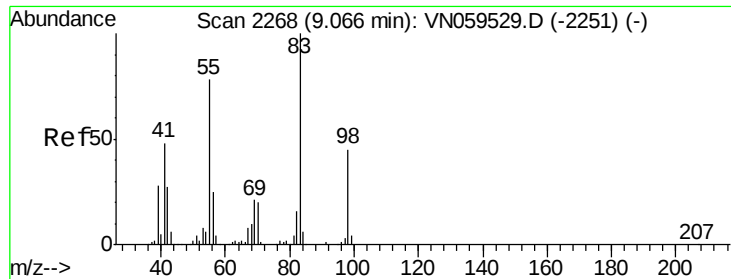
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#38
Carbon Tetrachloride
Concen: 49.002 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.0	115.4
121	30.2	24.1	36.1





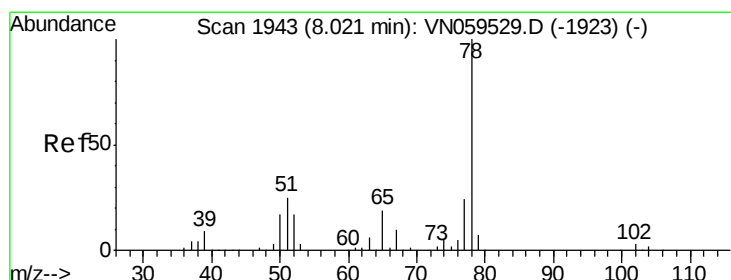
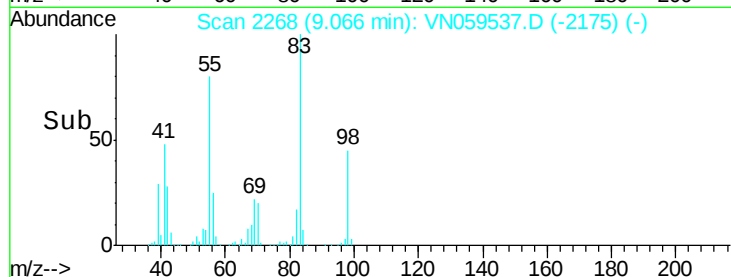
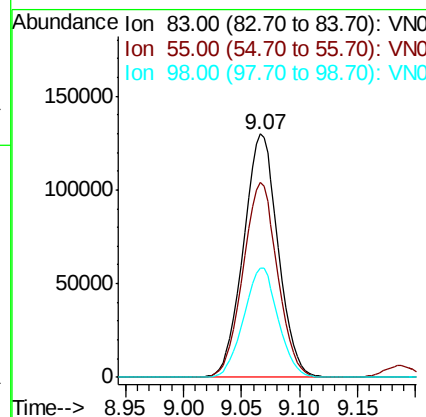
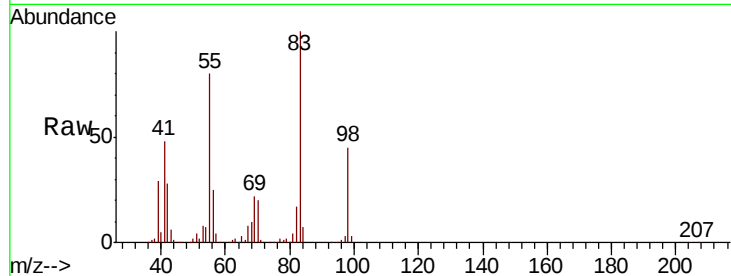
#39
Methvlcvclohexane
Concen: 50.569 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.9	62.7	94.1
98	44.7	35.7	53.5

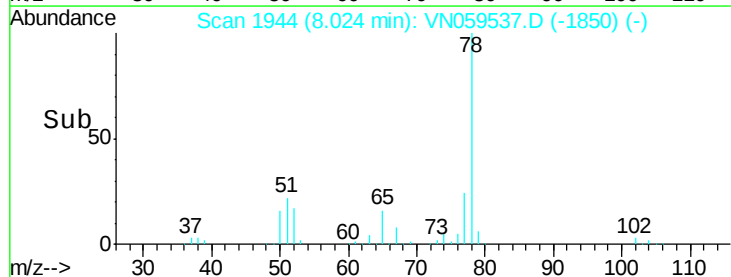
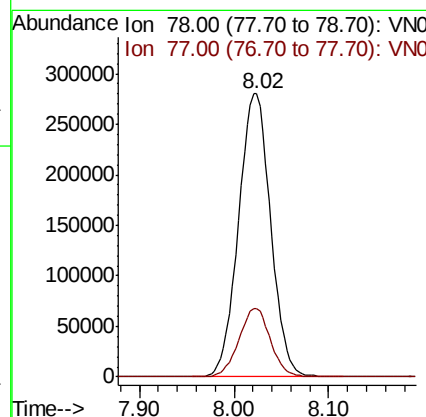
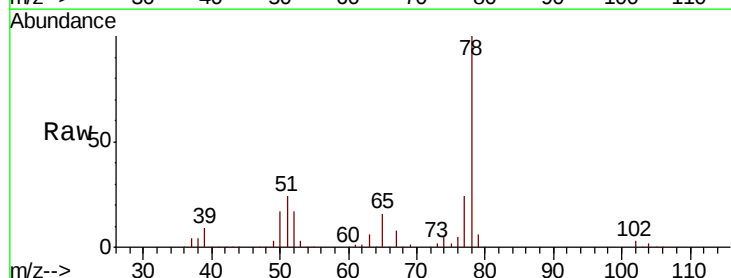
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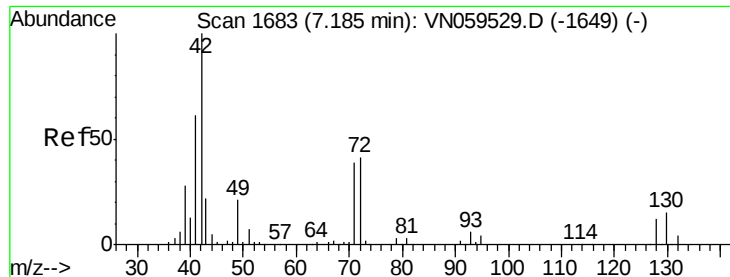
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#40
Benzene
Concen: 48.660 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.8	28.2





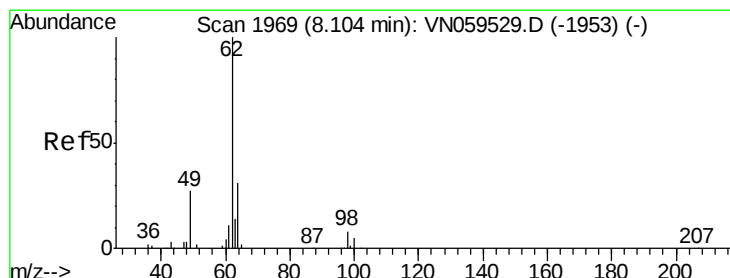
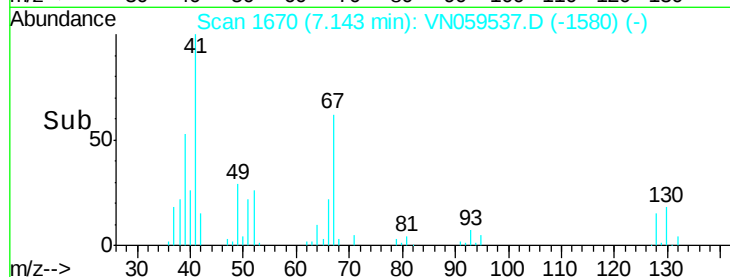
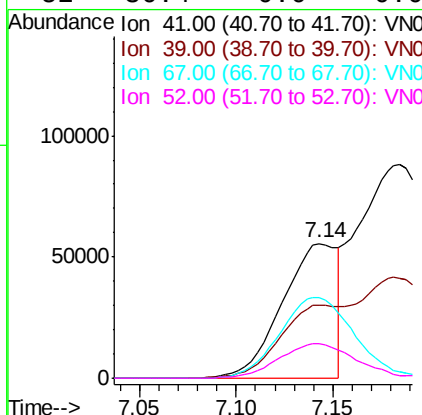
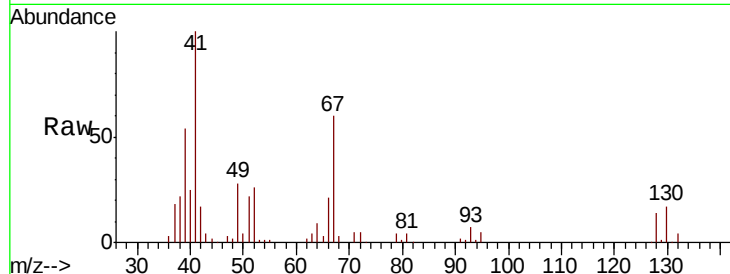
#41
Methacrylonitrile
Concen: 47.675 ug/l
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.5	0.0	0.0#
67	82.3	0.0	0.0#
52	36.4	0.0	0.0#

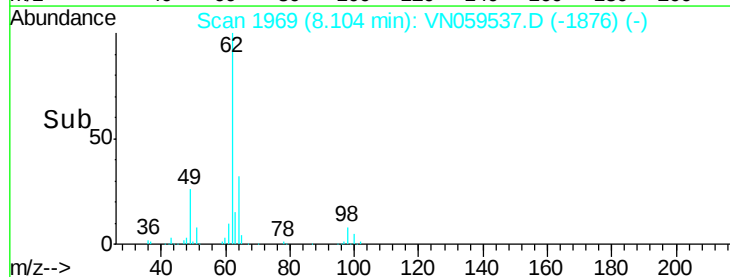
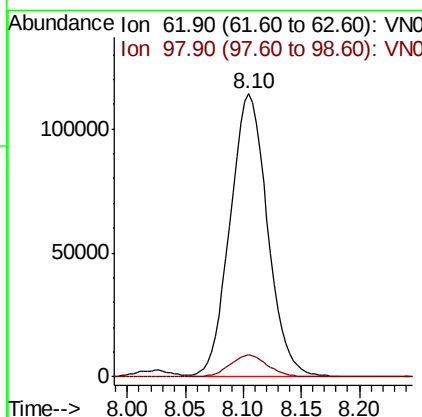
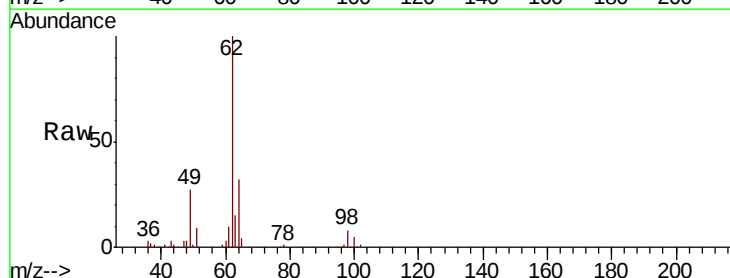
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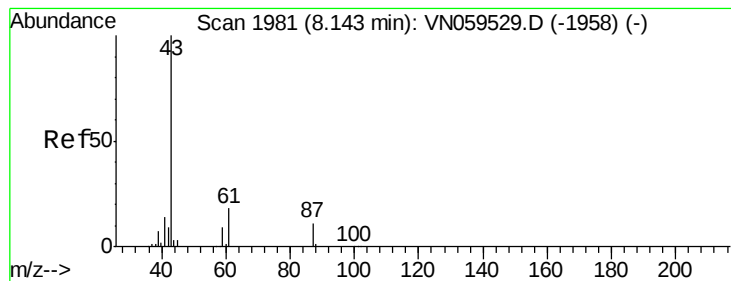
apatel
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#42
1,2-Dichloroethane
Concen: 50.222 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.4





#43

Isopropyl Acetate

Concen: 49.539 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

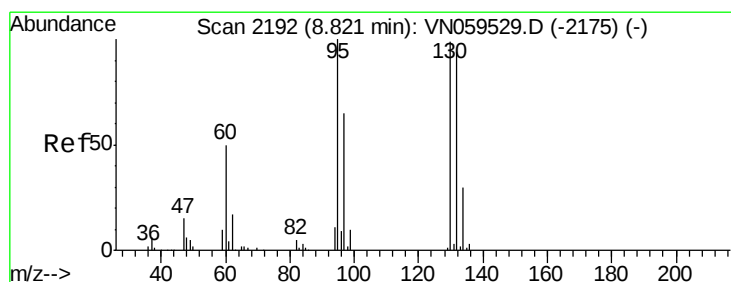
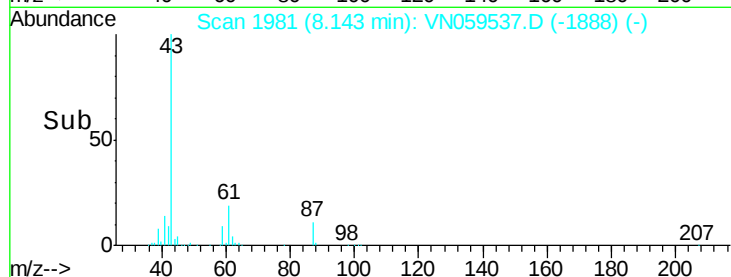
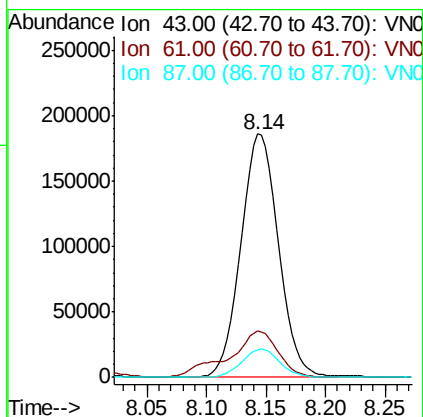
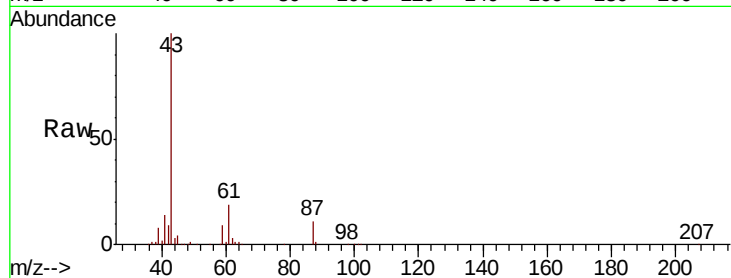
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	406385
Ion	Ratio	Lower	Upper
43	100		
61	25.0	19.8	29.6
87	11.7	9.4	14.2

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#44

Trichloroethene

Concen: 48.930 ug/l

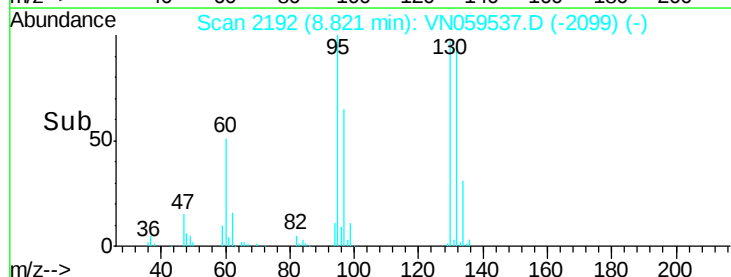
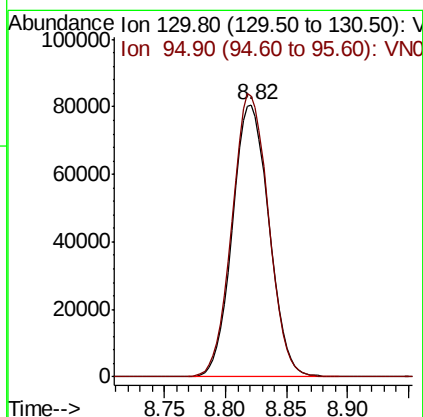
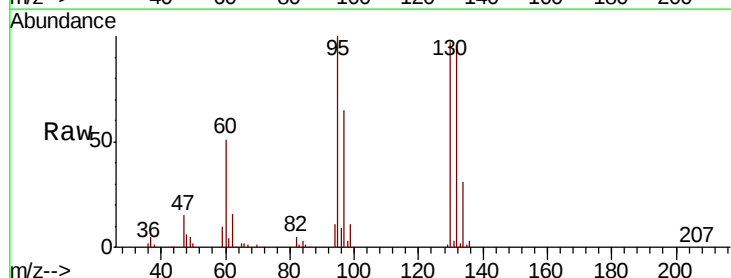
RT: 8.82 min Scan# 2192

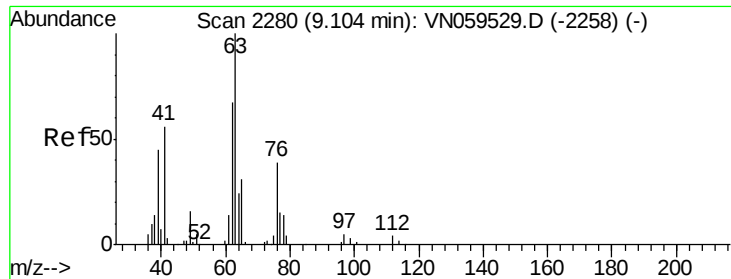
Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Tgt Ion:	130	Resp:	167817
Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	202.0





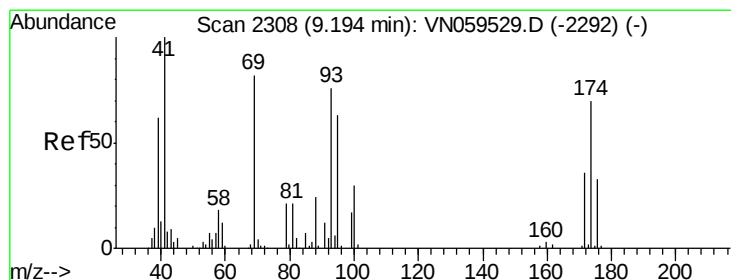
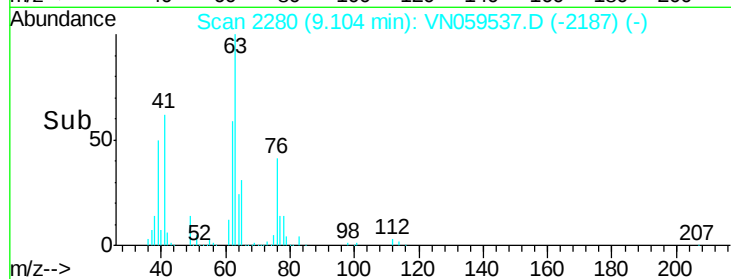
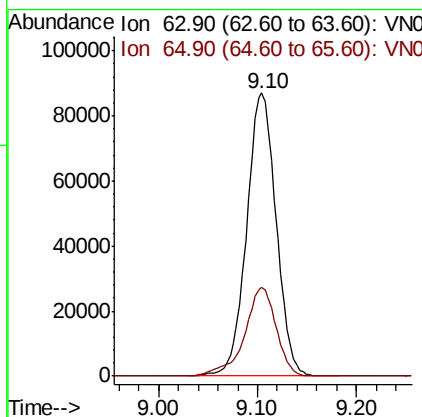
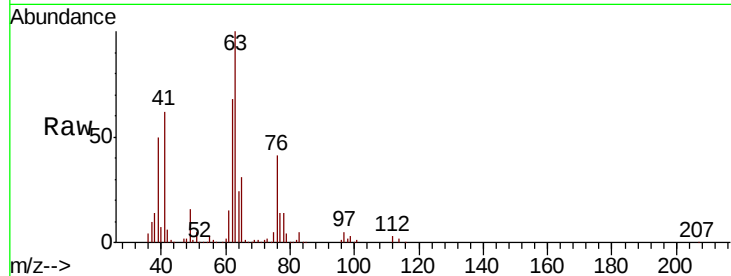
#45
 1,2-Dichloropropane
 Concen: 49.863 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 179327
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.8 37.2

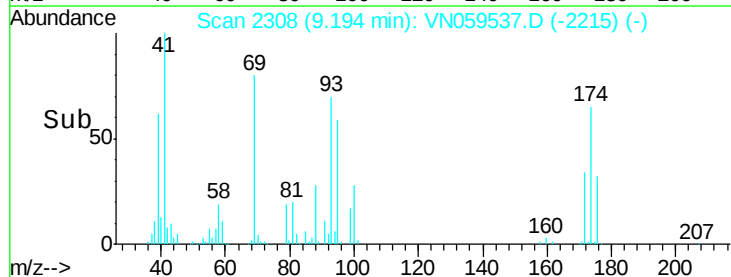
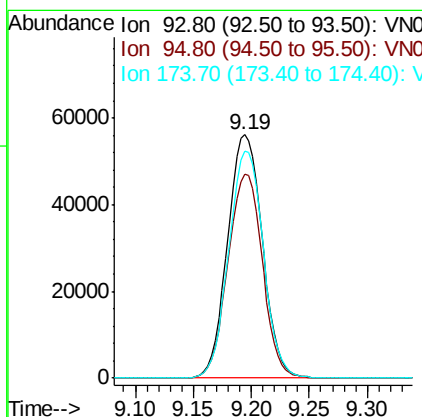
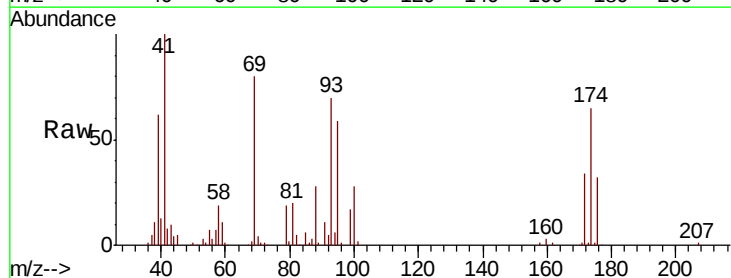
Manual Integrations
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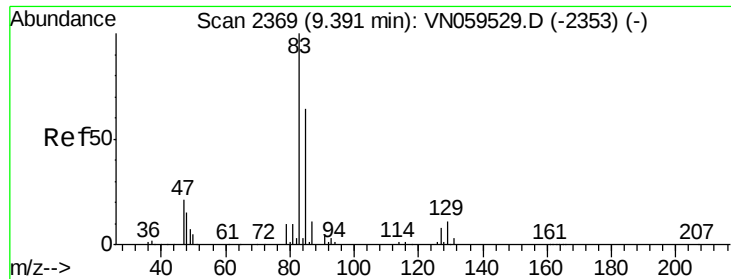
apatel
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#46
 Dibromomethane
 Concen: 49.198 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Tgt Ion: 93 Resp: 116932
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.0 100.6
 174 92.5 75.6 113.4





#47

Bromodichloromethane

Concen: 50.710 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

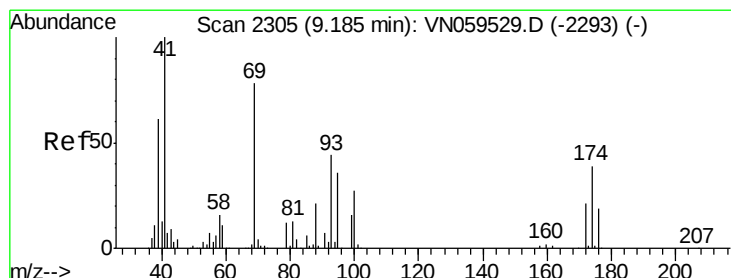
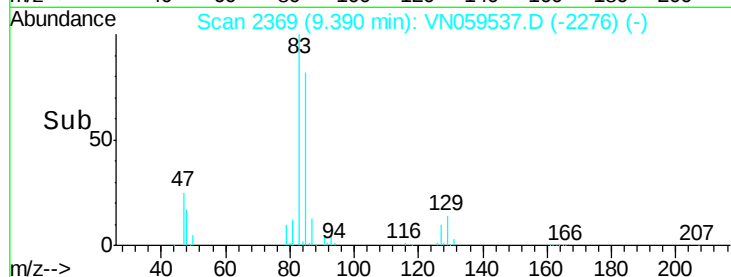
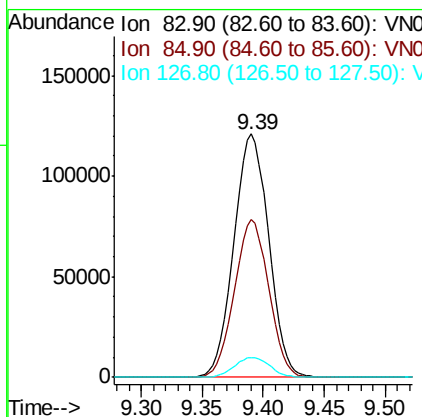
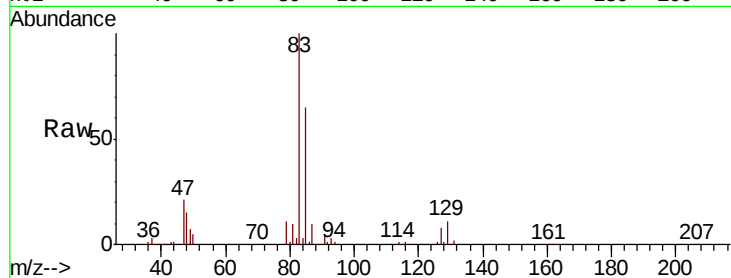
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	239536
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.4	77.0
127	8.1	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.447 ug/l

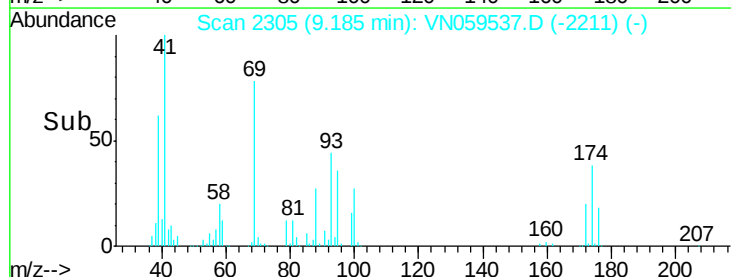
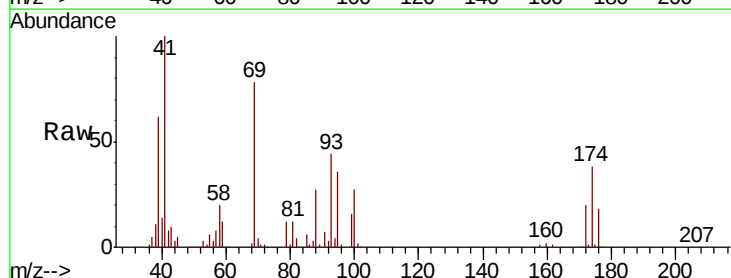
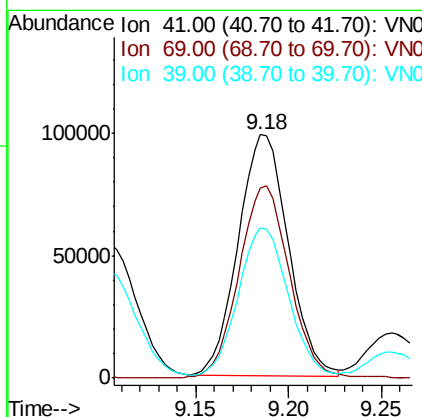
RT: 9.18 min Scan# 2305

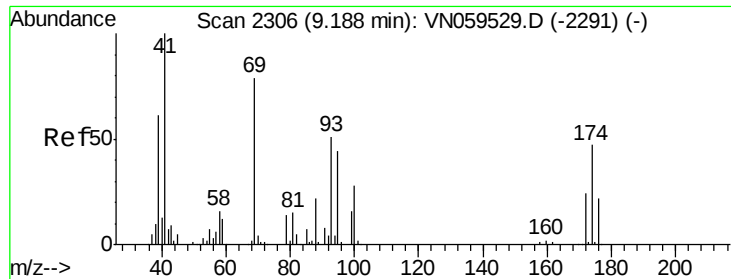
Delta R.T. 0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Tgt Ion:	41	Resp:	184535
Ion Ratio	Lower	Upper	
41	100		
69	80.9	64.0	96.0
39	63.2	50.0	75.0





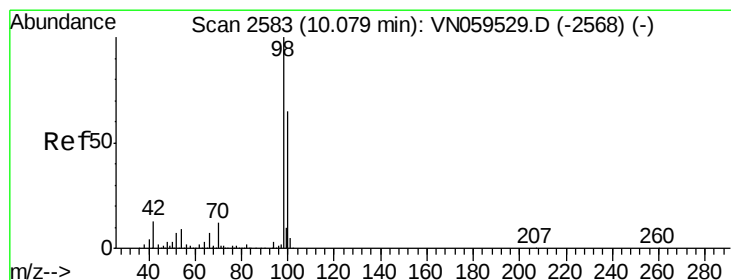
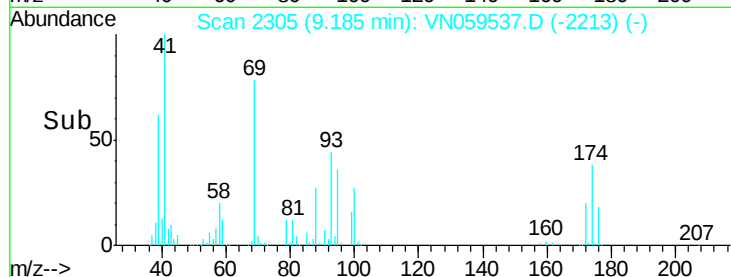
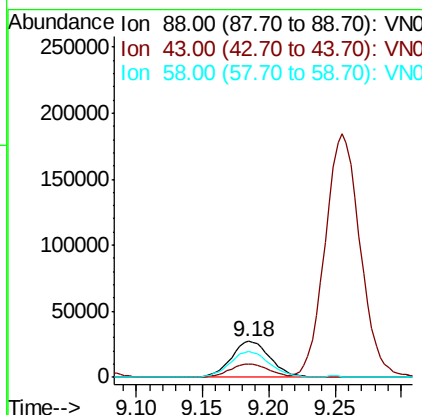
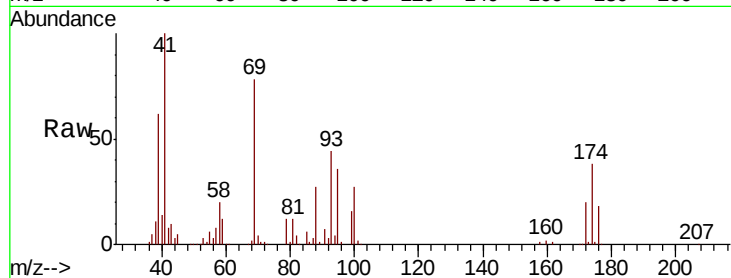
#49
1,4-Dioxane
Concen: 1224.922 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	31.4	47.0
58	71.9	61.0	91.6

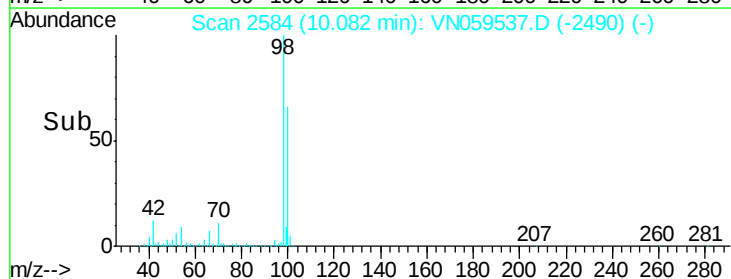
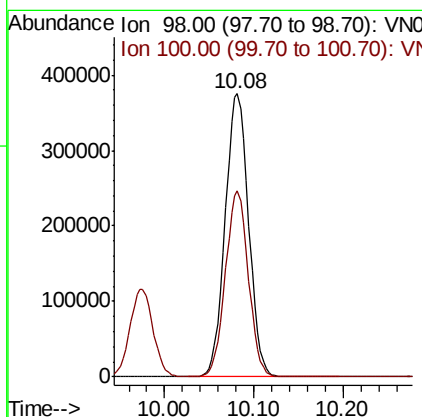
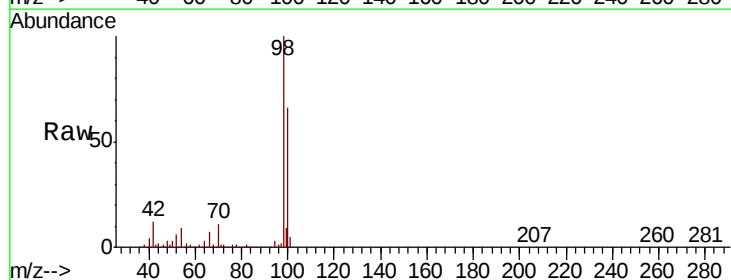
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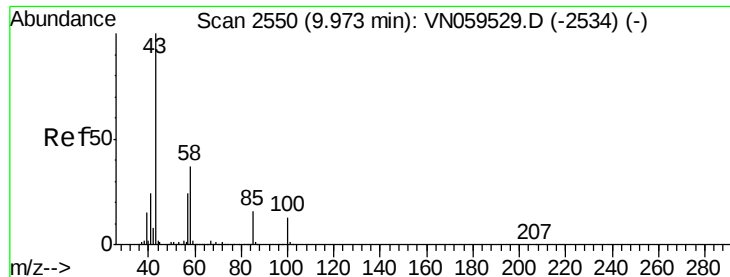
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#50
Toluene-d8
Concen: 60.449 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 282.700 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1472959

Ion Ratio Lower Upper

43 100

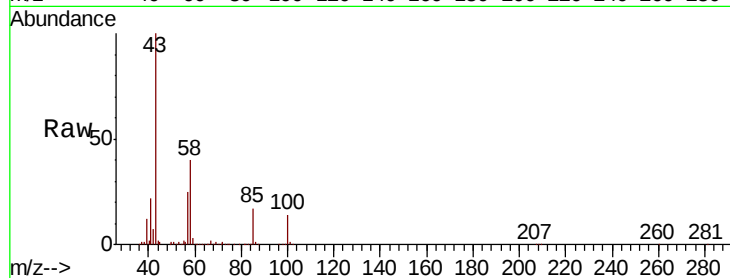
58 39.8 30.1 45.1

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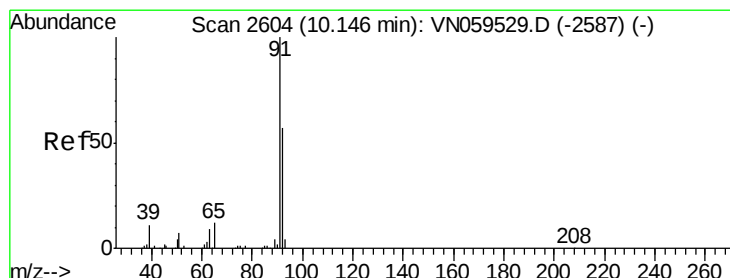
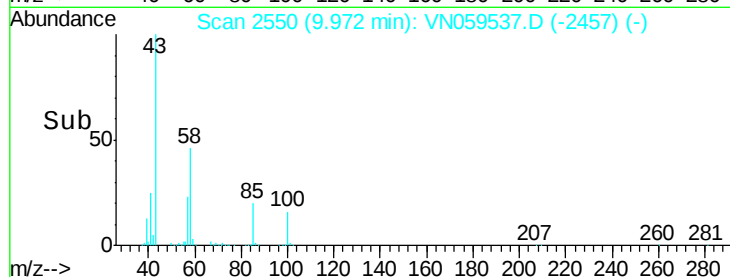
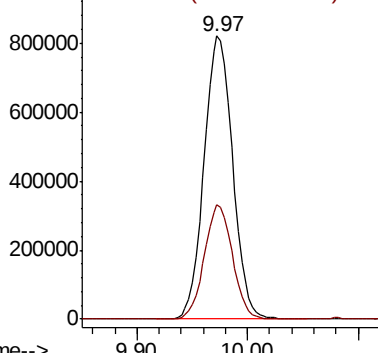
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 61.613 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059537.D

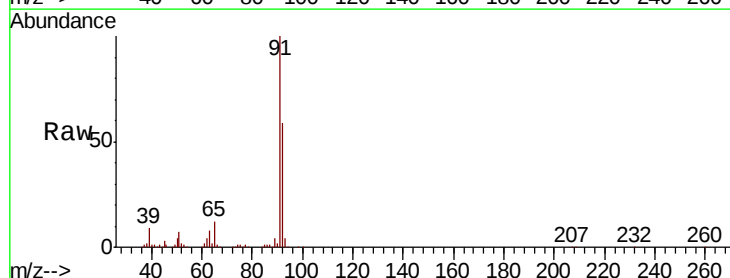
Acq: 10 Dec 2019 10:37

Tgt Ion: 92 Resp: 498379

Ion Ratio Lower Upper

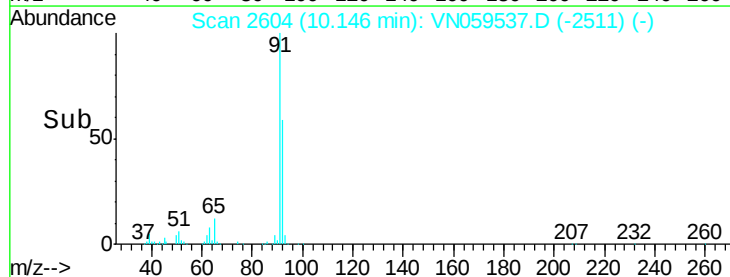
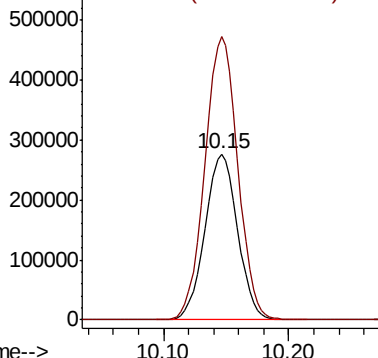
92 100

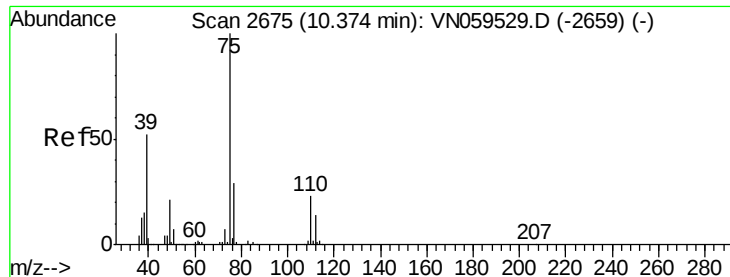
91 172.7 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 59.034 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 324905

Ion Ratio Lower Upper

75 100

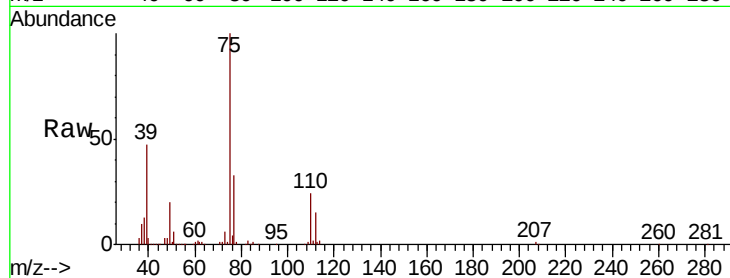
77 32.4 24.5 36.7

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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

200000

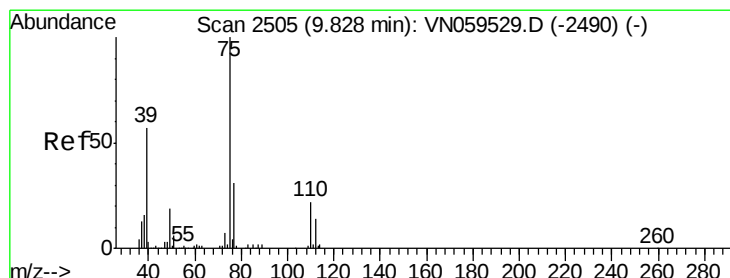
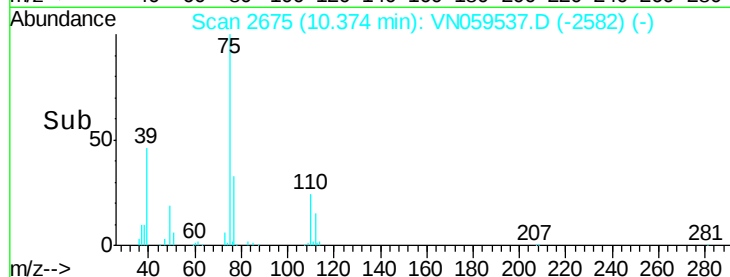
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 57.276 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

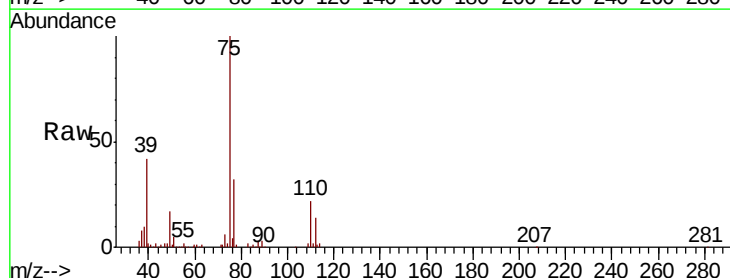
Tgt Ion: 75 Resp: 322623

Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 41.8 45.6 68.4#



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

200000

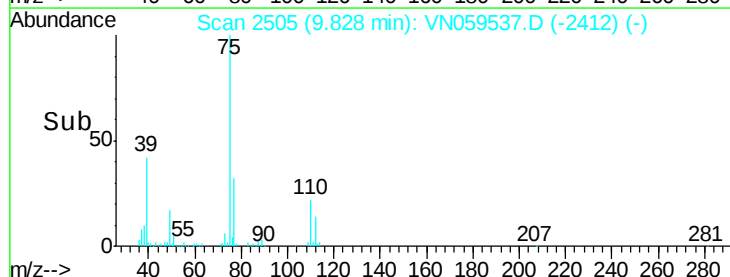
150000

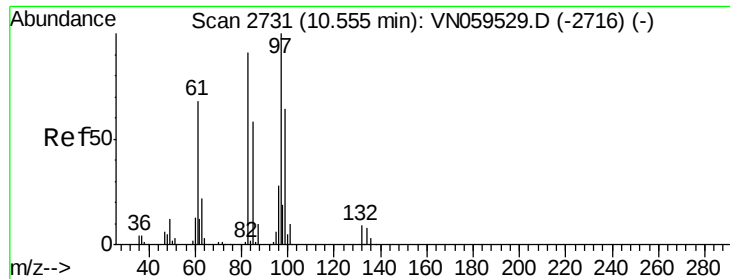
100000

50000

0

Time-->





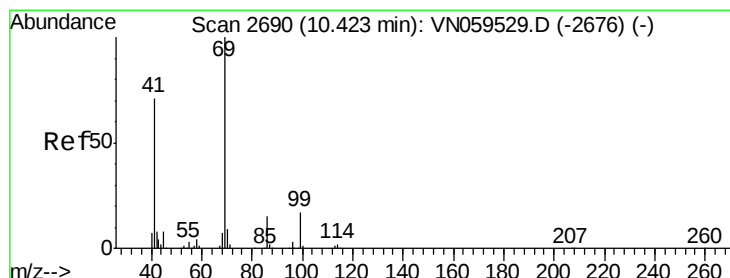
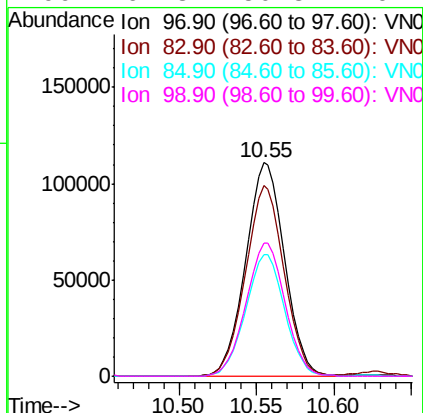
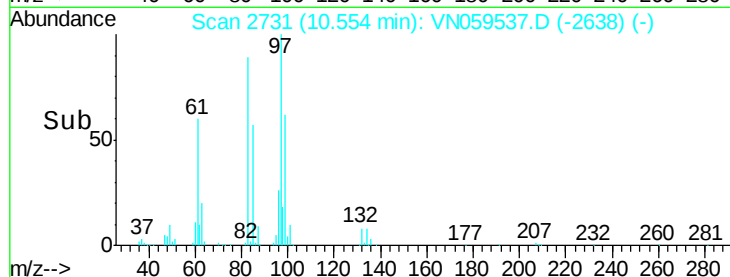
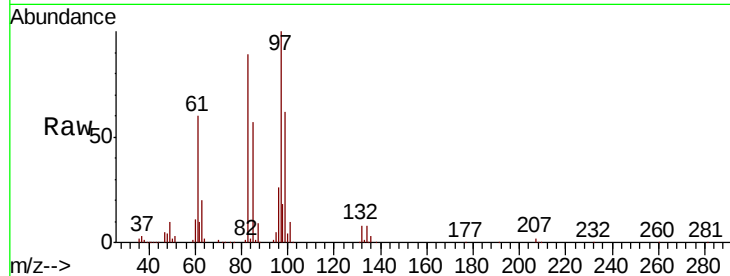
#55
 1,1,2-Trichloroethane
 Concen: 59.387 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	194283
Ion	Ratio	Lower	Upper
97	100		
83	89.2	72.9	109.3
85	57.0	46.1	69.1
99	62.3	50.8	76.2

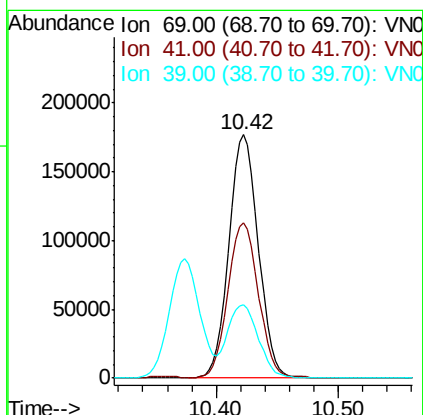
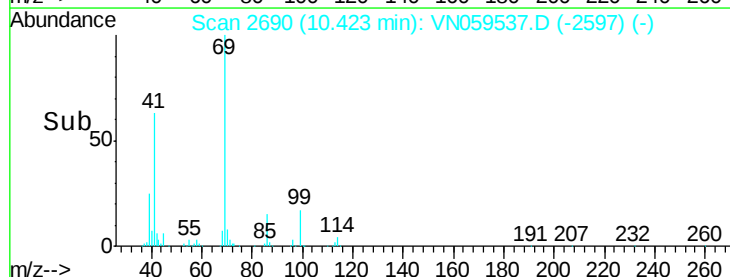
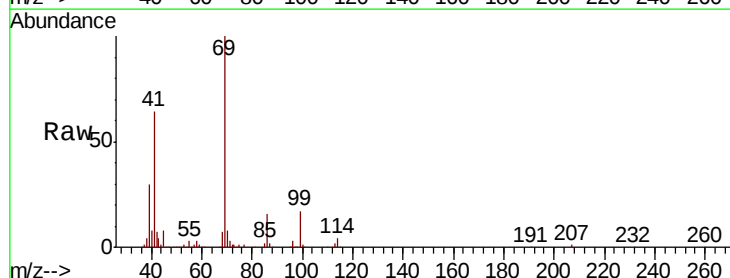
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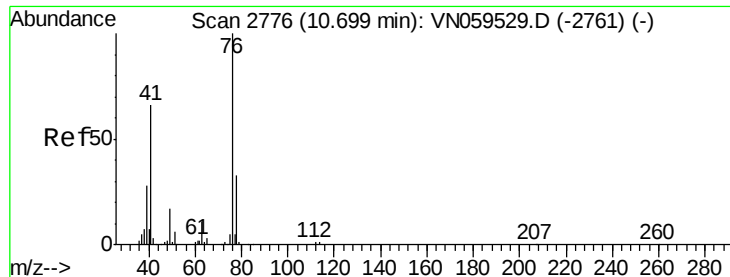
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#56
 Ethyl methacrylate
 Concen: 52.804 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Tgt Ion:	69	Resp:	298283
Ion	Ratio	Lower	Upper
69	100		
41	65.5	57.7	86.5
39	31.6	34.2	51.2#





#57

1,3-Dichloropropane

Concen: 59.163 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 330562

Ion Ratio Lower Upper

76 100

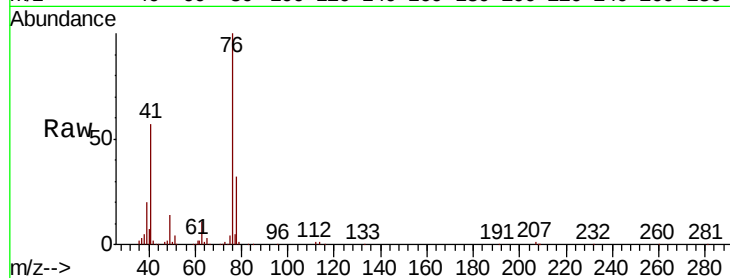
78 32.1 26.1 39.1

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

200000

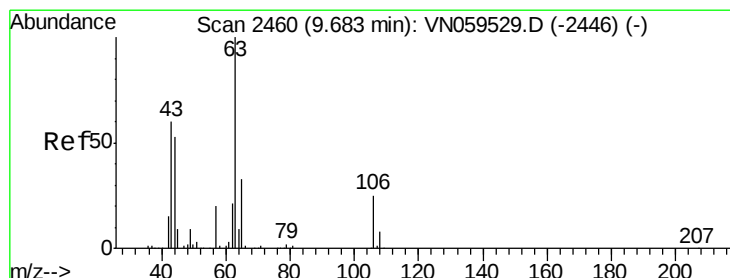
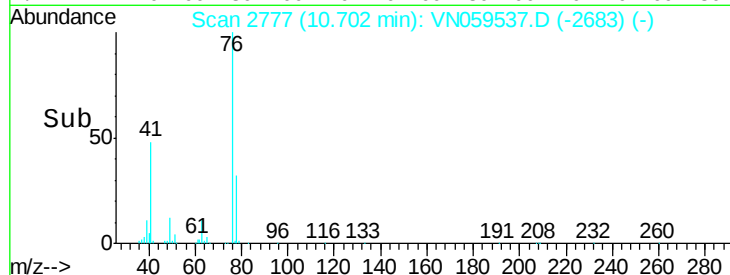
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 330.135 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059537.D

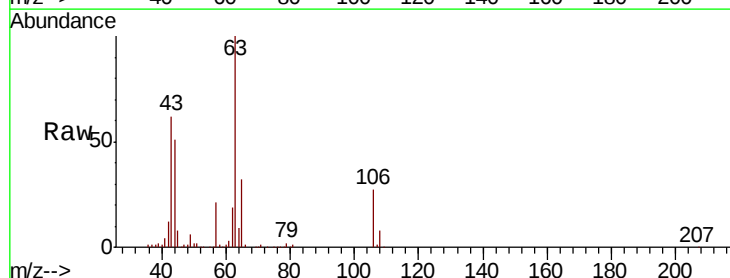
Acq: 10 Dec 2019 10:37

Tgt Ion: 63 Resp: 442446

Ion Ratio Lower Upper

63 100

106 26.5 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

250000

200000

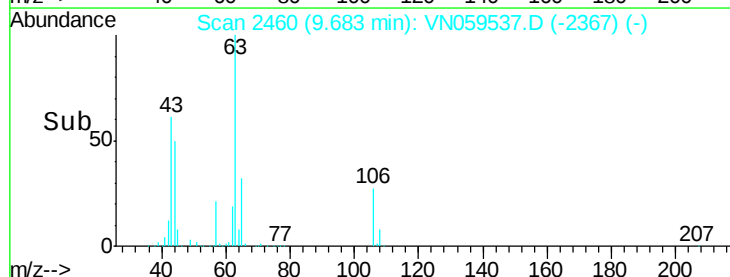
150000

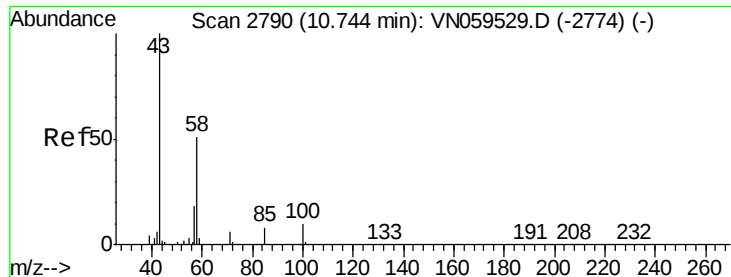
100000

50000

0

Time-->





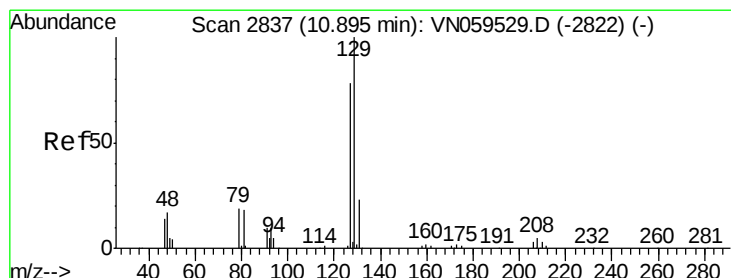
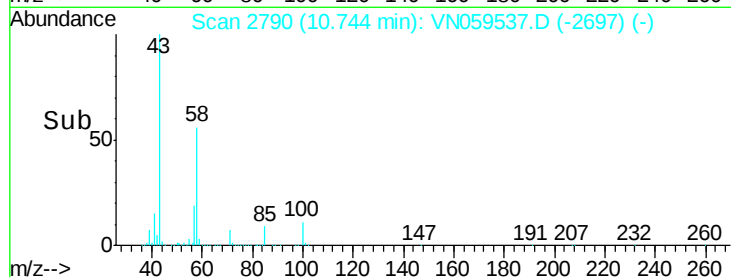
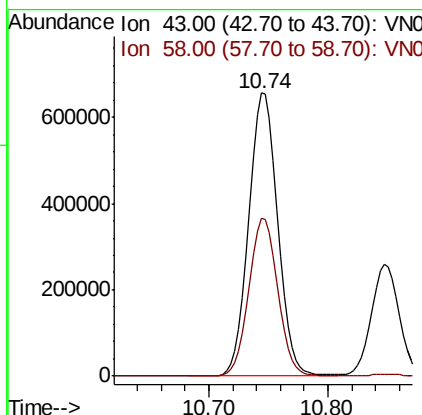
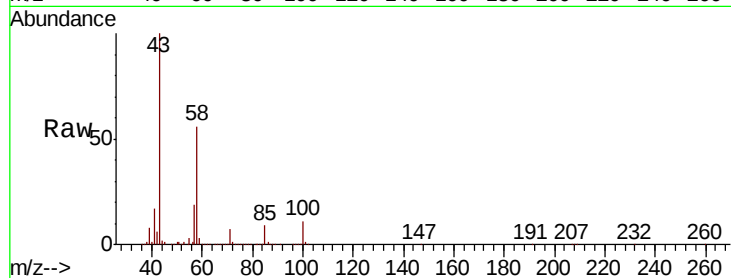
#59
2-Hexanone
Concen: 278.355 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1109189
Ion Ratio Lower Upper
43 100
58 55.7 25.9 77.6

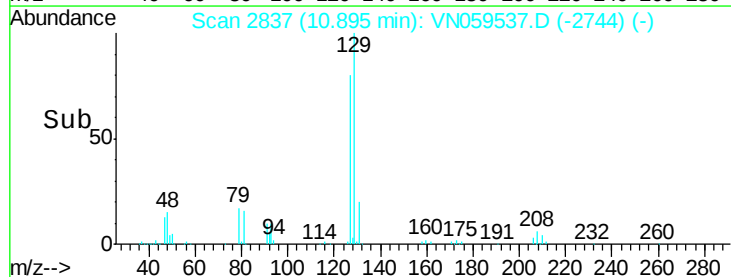
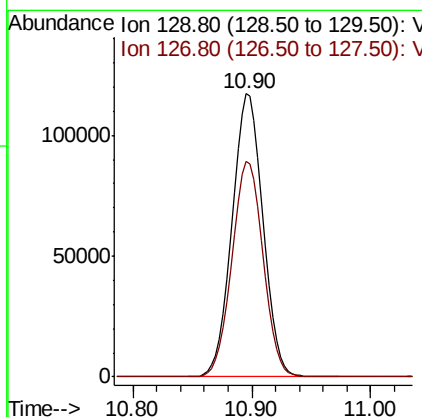
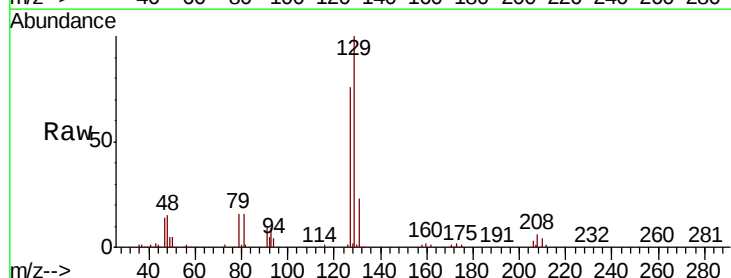
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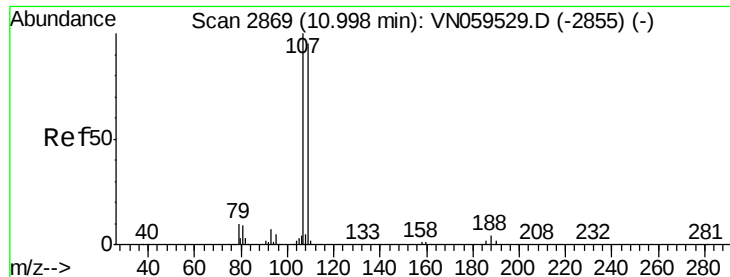
apatel
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#60
Dibromochloromethane
Concen: 53.943 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion: 129 Resp: 210947
Ion Ratio Lower Upper
129 100
127 76.8 38.9 116.6





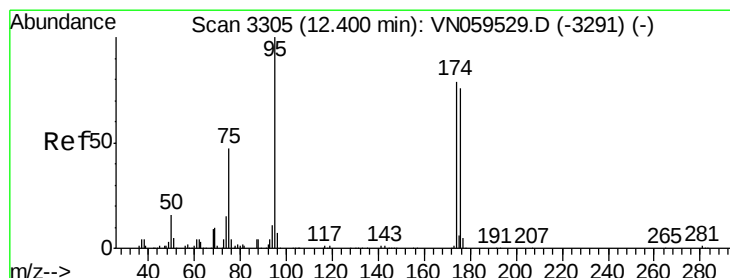
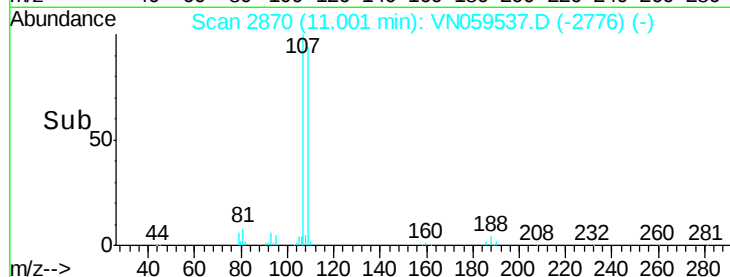
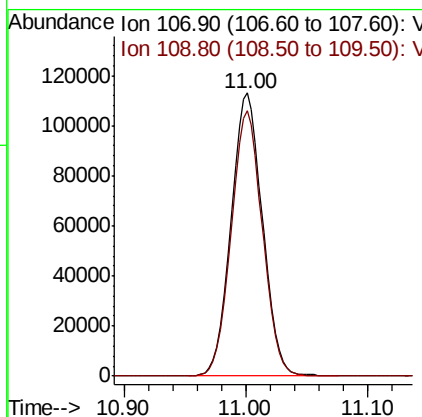
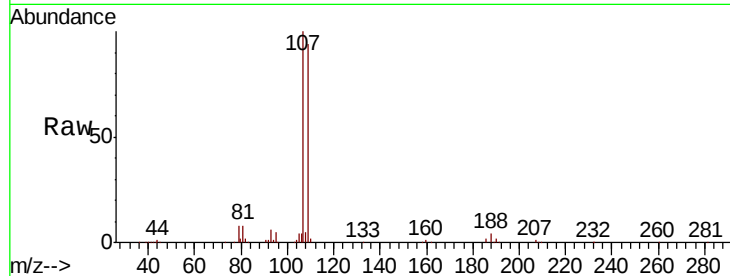
#61
 1,2-Dibromoethane
 Concen: 59.147 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.1	114.1

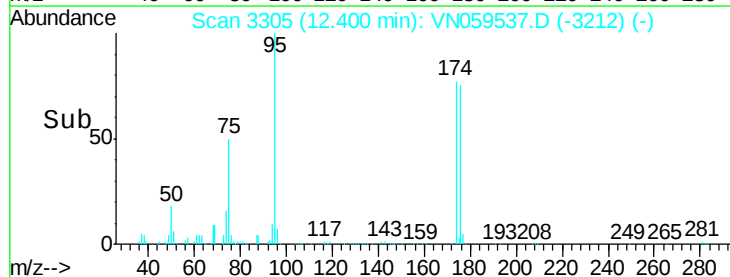
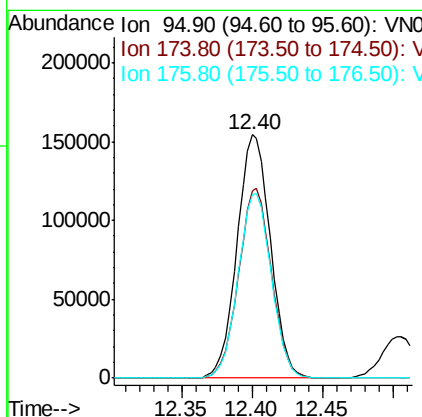
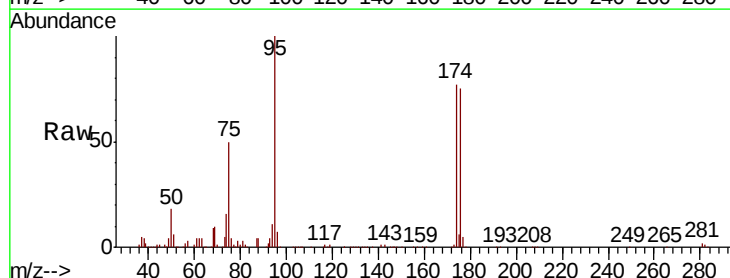
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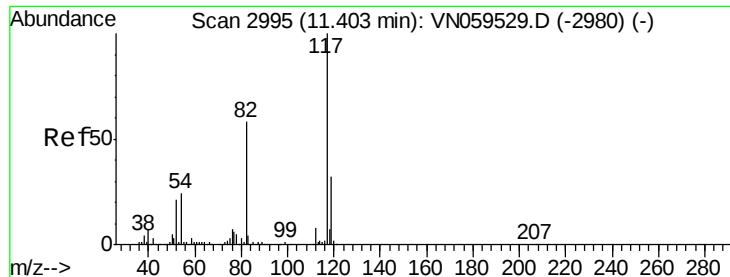
apatel
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#62
 4-Bromofluorobenzene
 Concen: 61.324 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	158.0
176	75.5	0.0	155.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

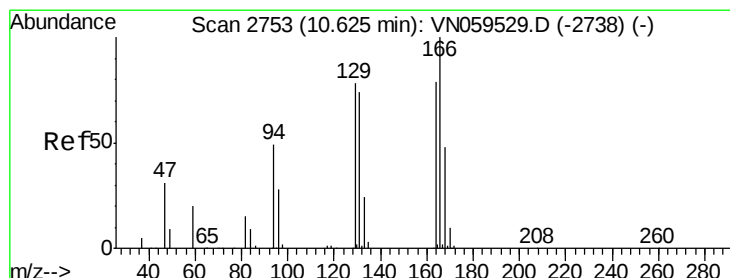
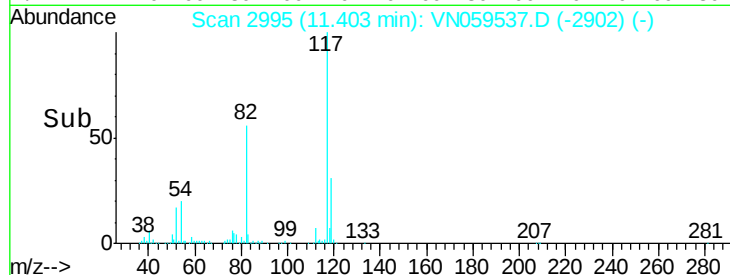
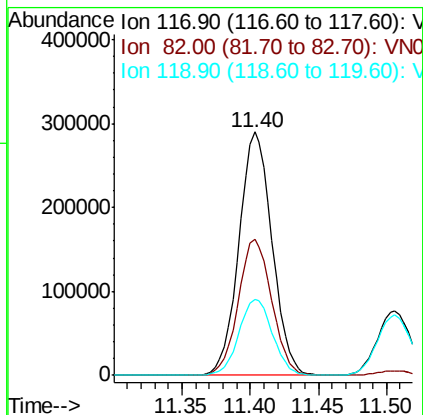
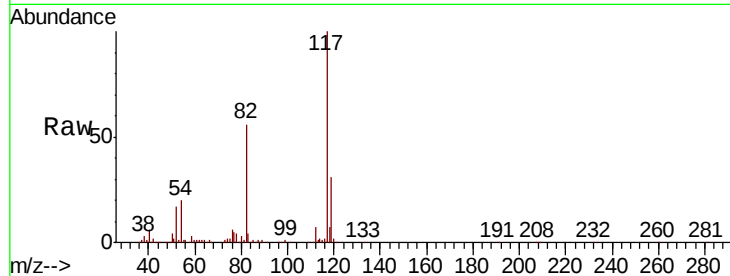
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	489364
Ion Ratio	Lower	Upper	
117	100		
82	56.1	46.5	69.7
119	31.4	25.2	37.8

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#64

Tetrachloroethene

Concen: 48.555 ug/l

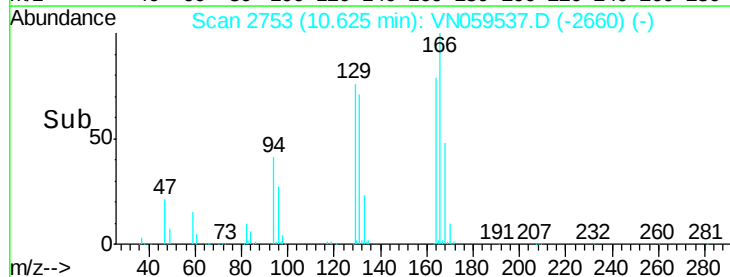
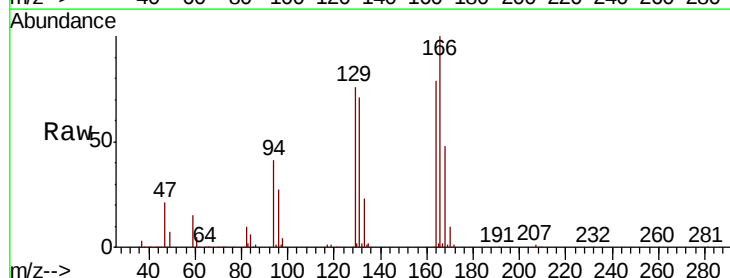
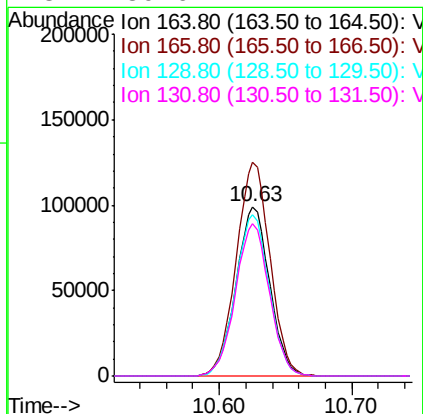
RT: 10.63 min Scan# 2753

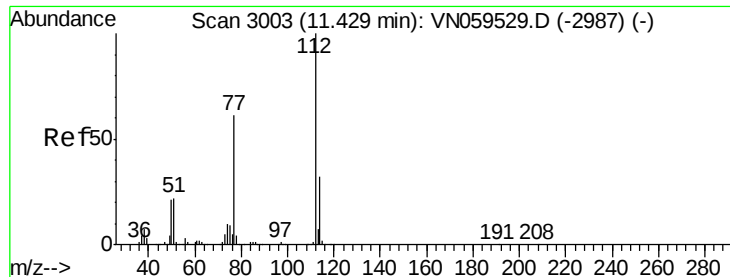
Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Tgt Ion:	164	Resp:	173657
Ion Ratio	Lower	Upper	
164	100		
166	126.1	101.6	152.4
129	95.6	79.0	118.6
131	89.6	74.7	112.1





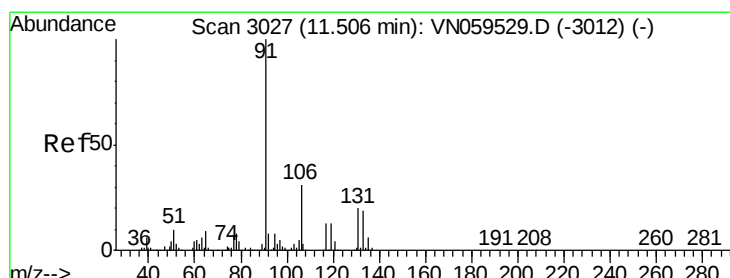
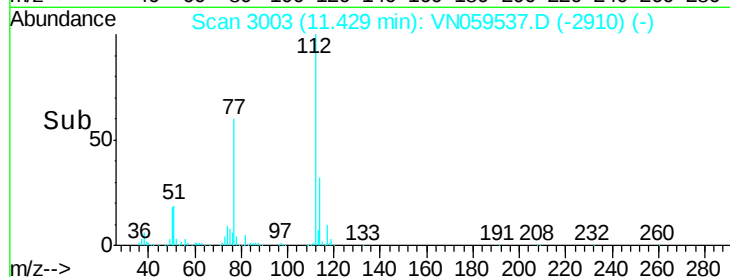
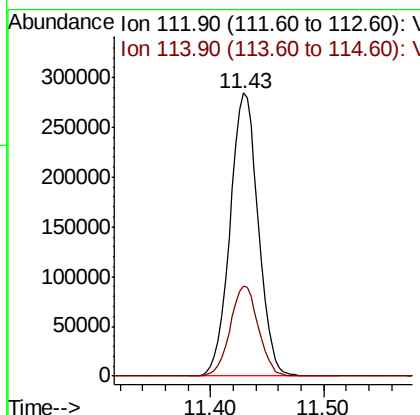
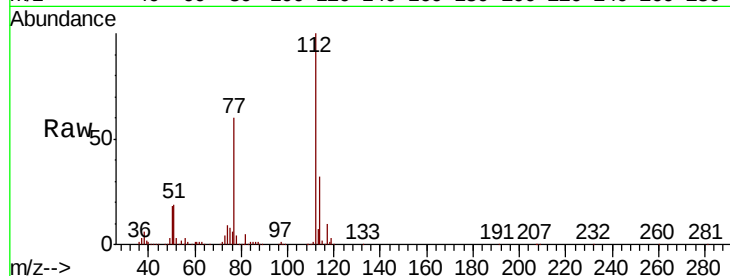
#65
Chlorobenzene
Concen: 47.964 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	26.0	39.0

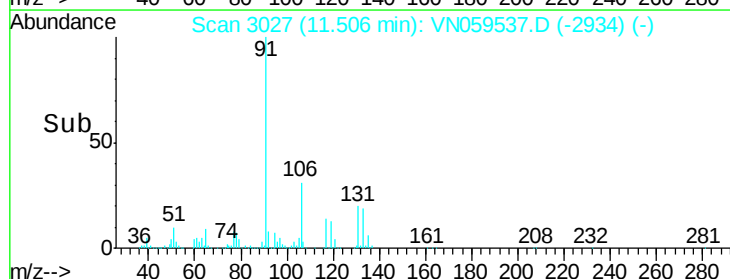
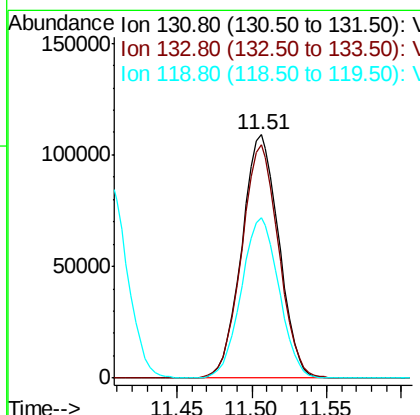
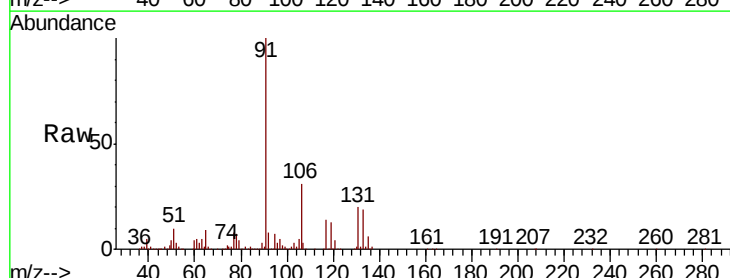
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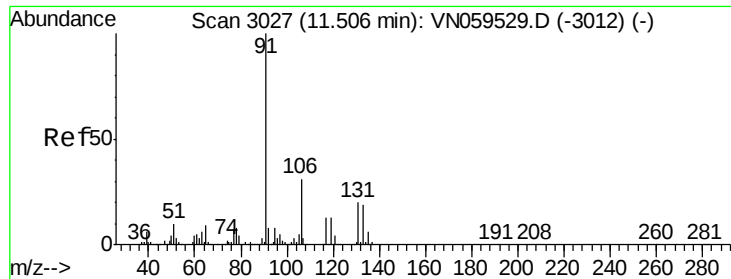
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.165 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.8	143.3
119	66.9	33.4	100.2





#67

Ethyl Benzene

Concen: 50.827 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 937827

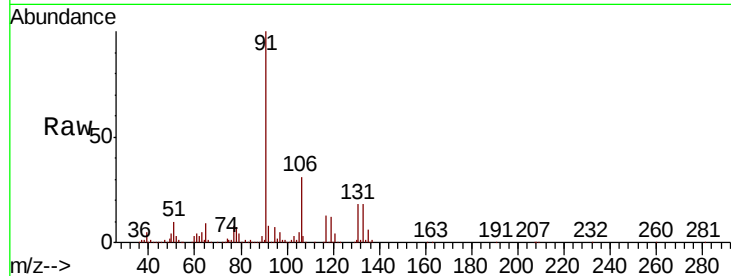
Ion Ratio Lower Upper

91 100

106 30.8 24.5 36.7

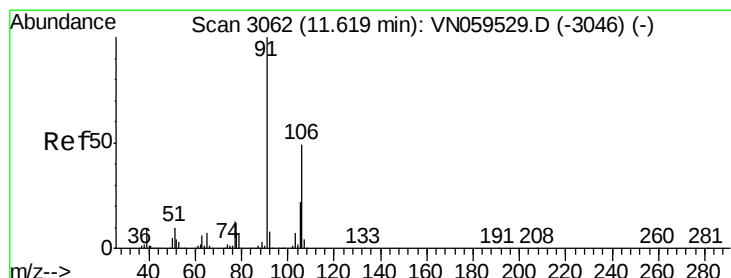
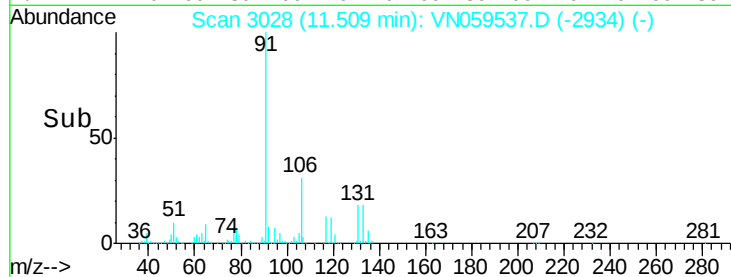
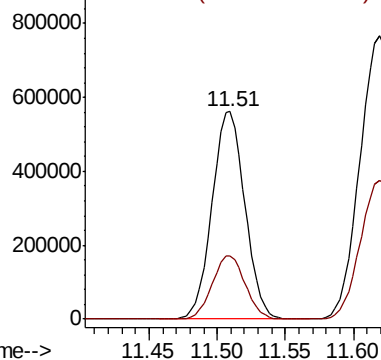
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Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059529.D (-3012) (-)



#68

m/p-Xylenes

Concen: 104.785 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059537.D

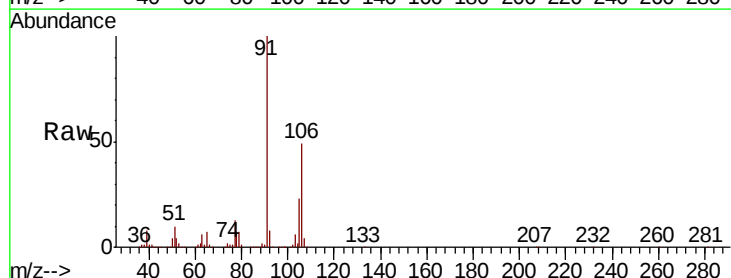
Acq: 10 Dec 2019 10:37

Tgt Ion: 106 Resp: 725299

Ion Ratio Lower Upper

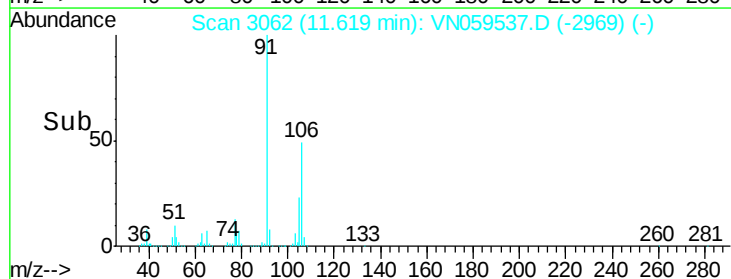
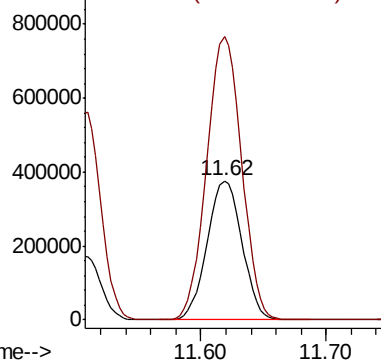
106 100

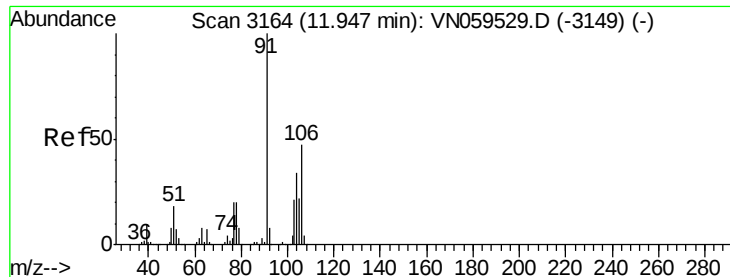
91 204.7 162.9 244.3



Abundance Ion 106.00 (105.70 to 106.70): VN059529.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059529.D (-3046) (-)





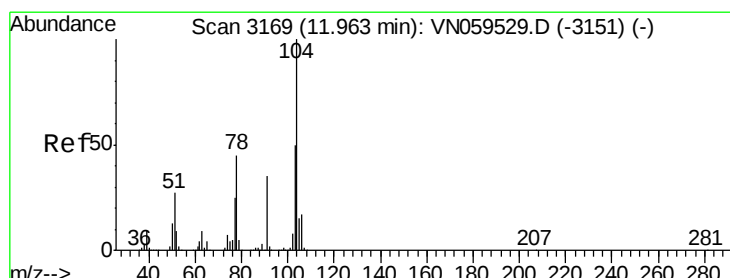
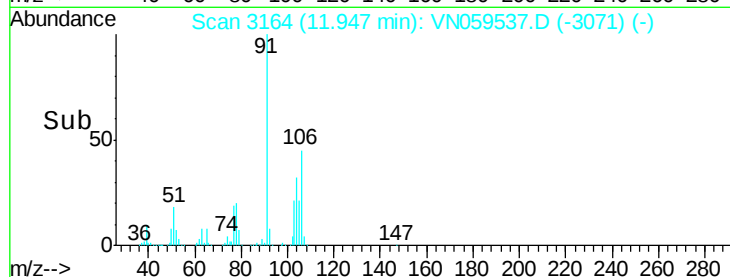
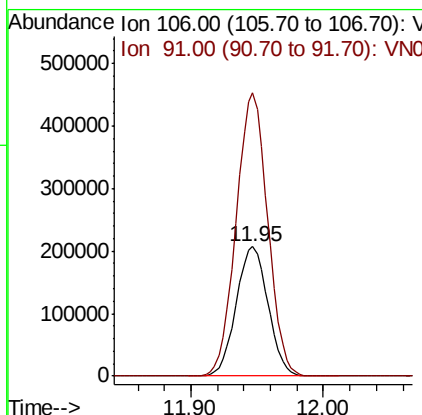
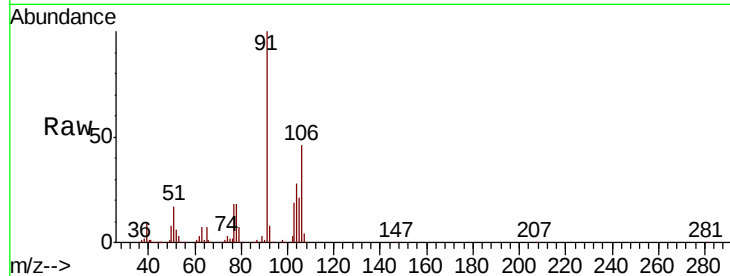
#69
o-Xylene
Concen: 53.564 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.7	106.7	319.9	

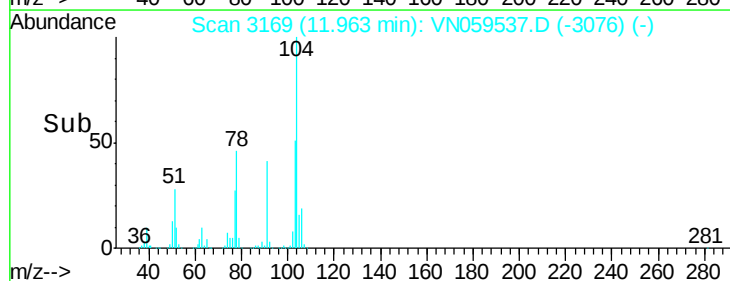
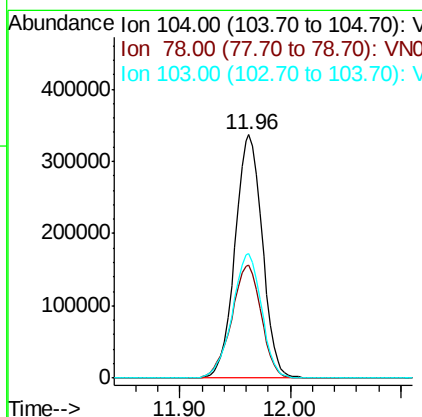
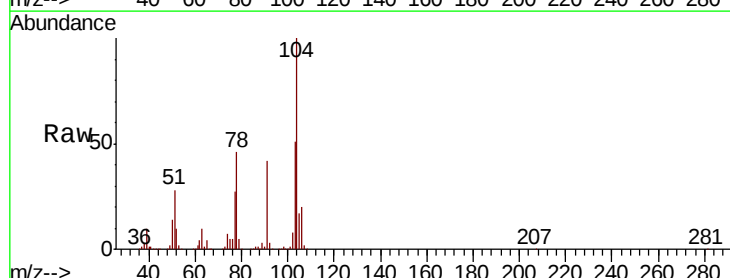
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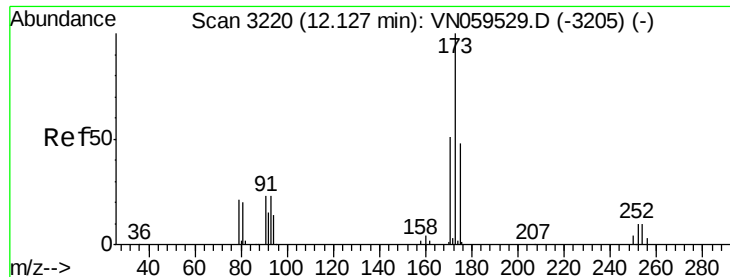
apatel
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#70
Styrene
Concen: 54.197 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.6	40.6	60.8	
103	54.8	43.9	65.9	





#71

Bromoform

Concen: 53.007 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

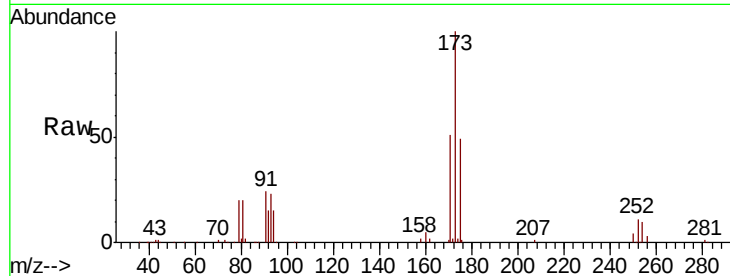
ClientSampleId :

VSTDCCC050

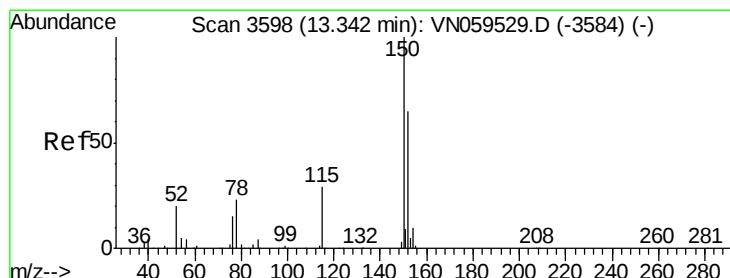
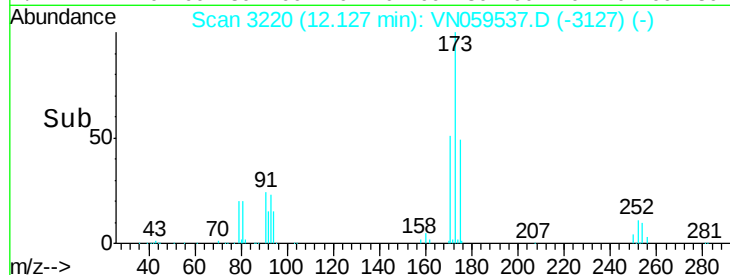
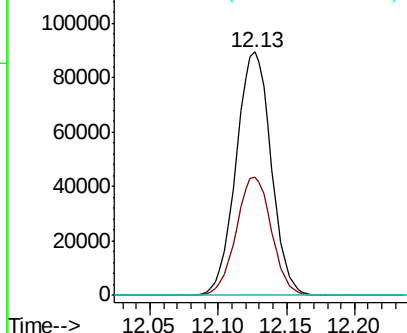
Tot Ion:	173	Resp:	159503
Ion Ratio	Lower	Upper	
173	100		
175	48.8	24.1	72.4
254	0.0	0.0	0.0

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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

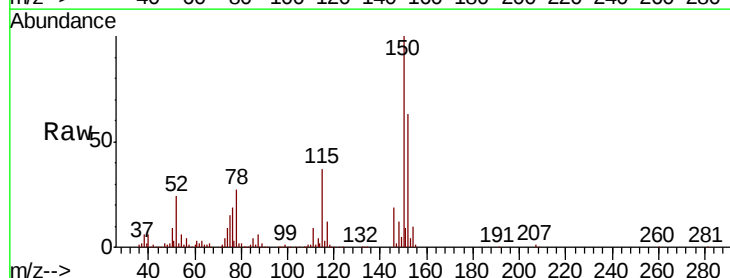
RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

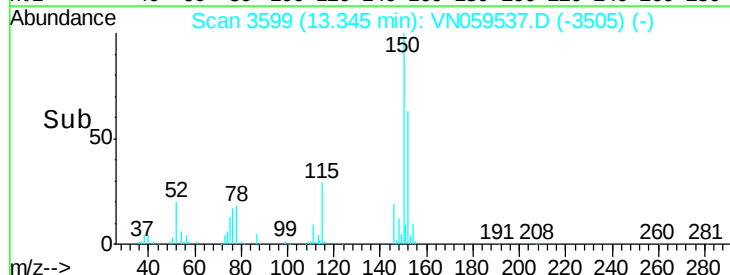
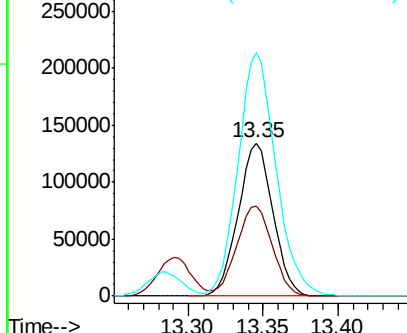
Lab File: VN059537.D

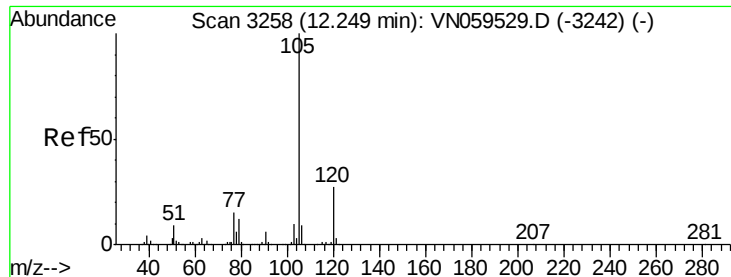
Acq: 10 Dec 2019 10:37

Tgt Ion:	152	Resp:	217319
Ion Ratio	Lower	Upper	
152	100		
115	60.2	29.4	88.2
150	174.0	0.0	342.4



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: 57.014 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 929397

Ion Ratio Lower Upper

105 100

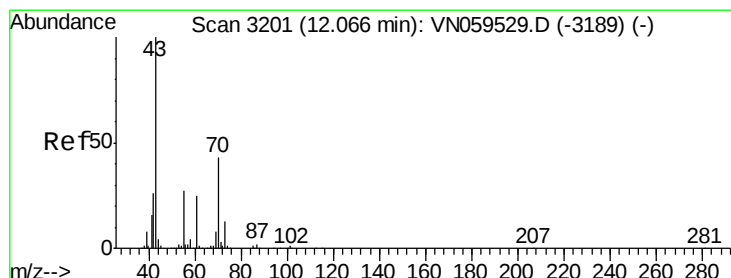
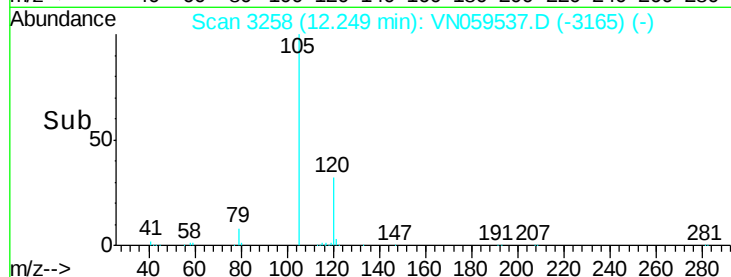
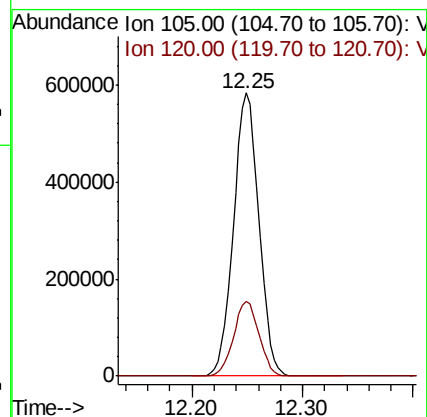
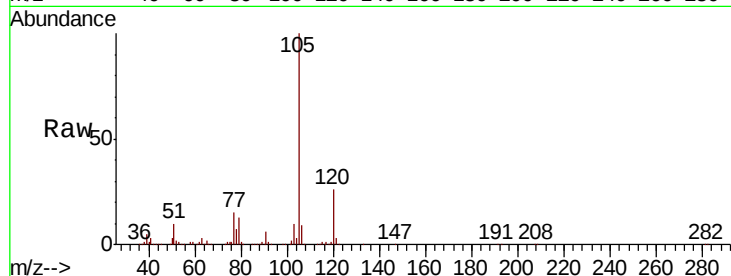
120 26.5 13.2 39.5

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#74

N-ethyl acetate

Concen: 59.043 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Tgt Ion: 43 Resp: 419250

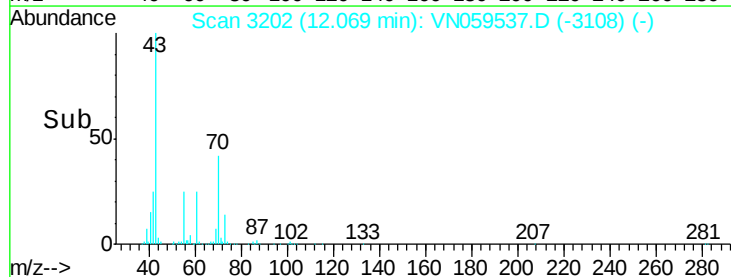
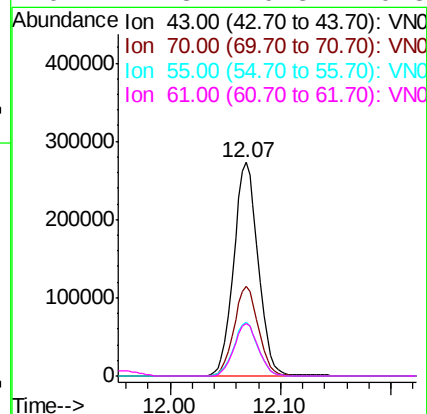
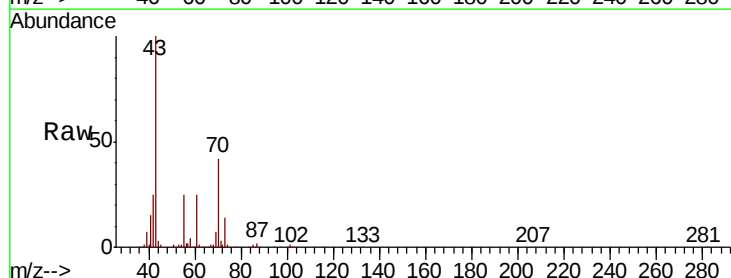
Ion Ratio Lower Upper

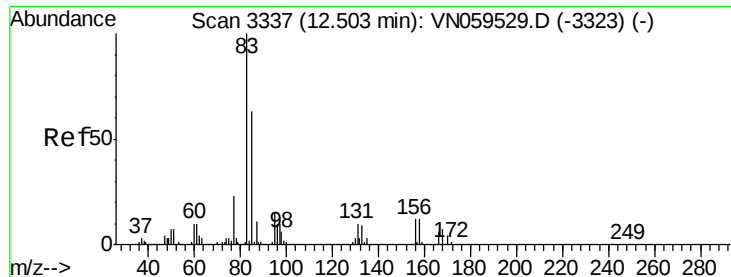
43 100

70 42.0 34.2 51.4

55 25.4 21.3 31.9

61 24.3 19.8 29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 52.071 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

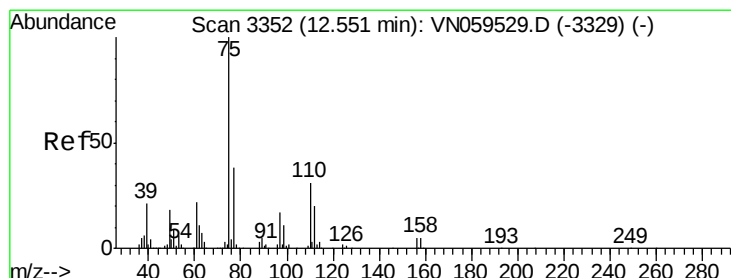
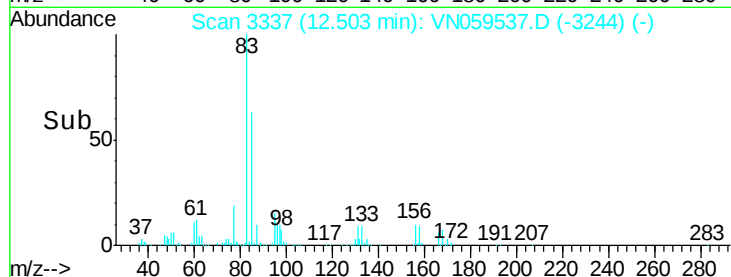
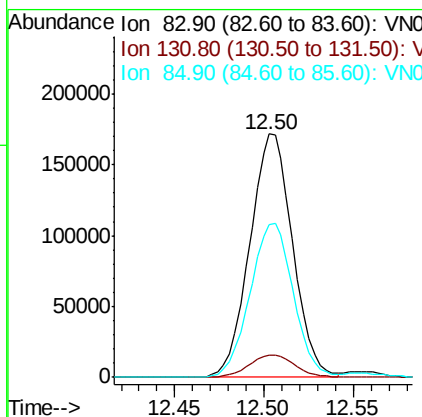
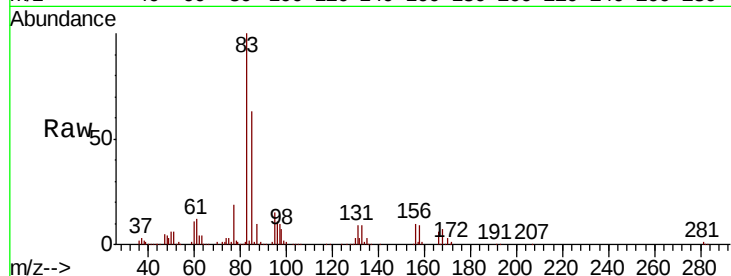
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	287625
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	64.0	31.6	95.0

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#76

1,2,3-Trichloropropane

Concen: 47.171 ug/l m

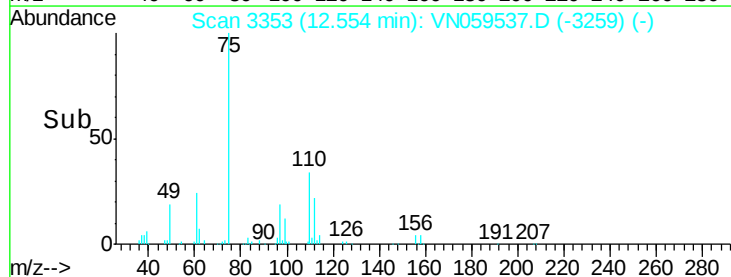
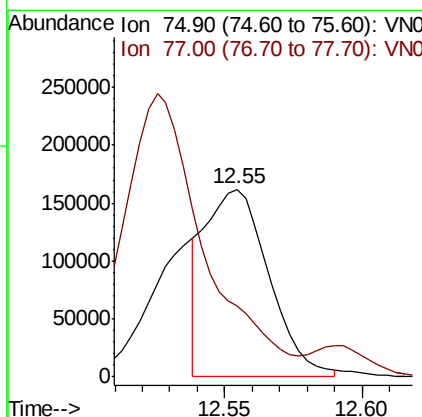
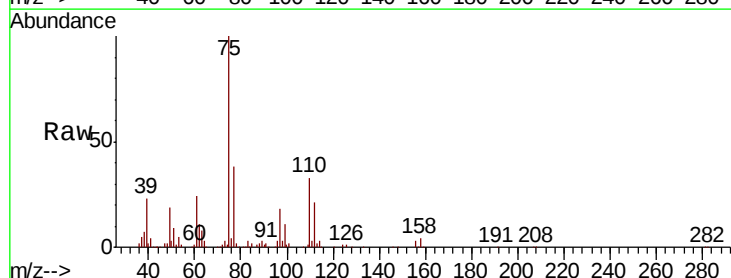
RT: 12.55 min Scan# 3353

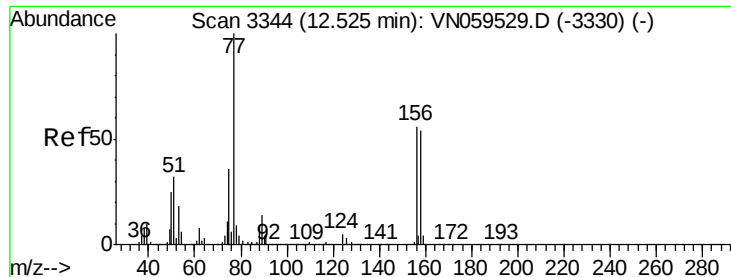
Delta R.T. 0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Tgt Ion:	75	Resp:	262147
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.468 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

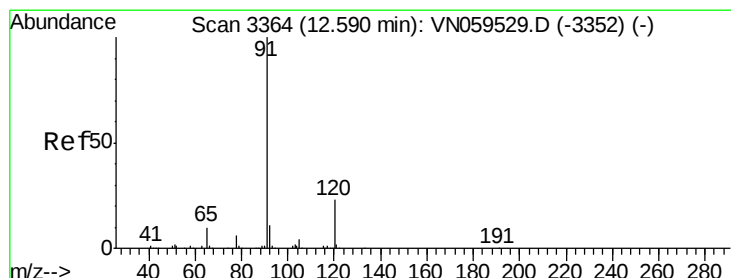
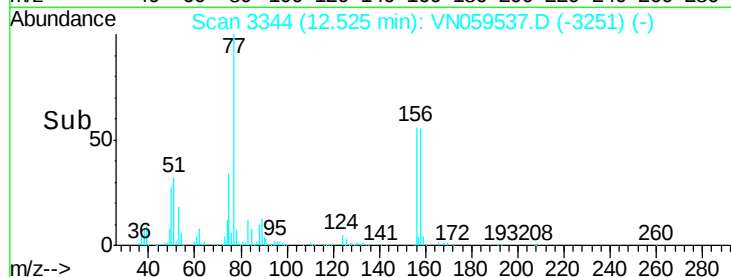
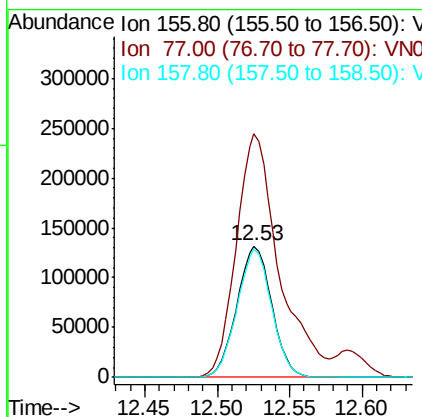
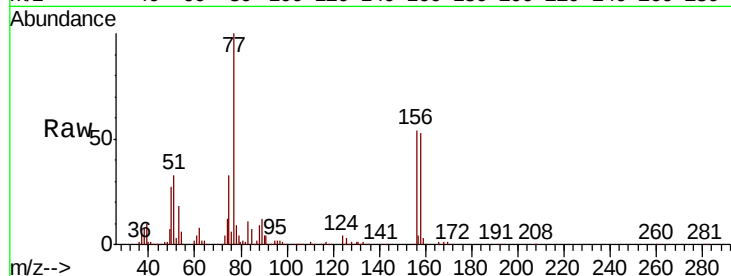
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	221049
Ion Ratio	Lower	Upper	
156	100		
77	226.9	109.3	327.8
158	96.4	48.6	145.8

Manual Integrations
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#78

n-propylbenzene

Concen: 51.202 ug/l

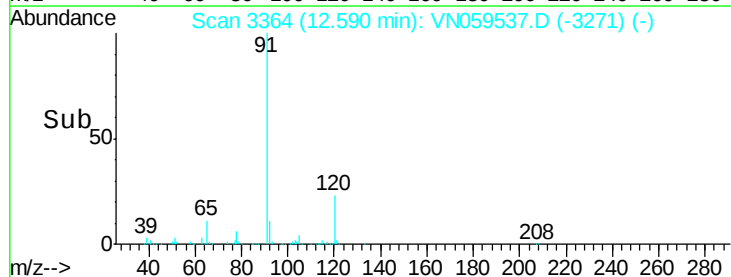
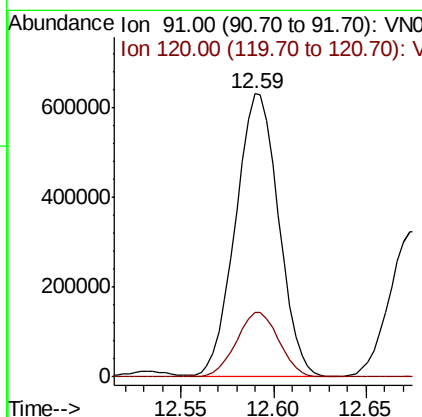
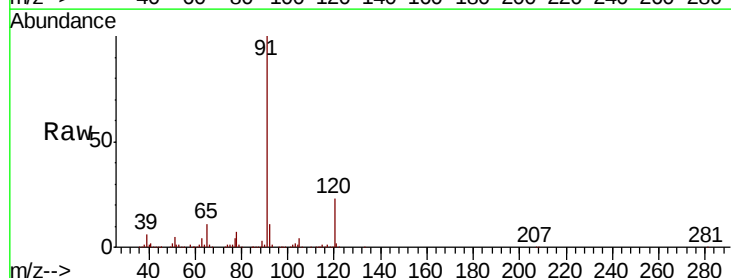
RT: 12.59 min Scan# 3364

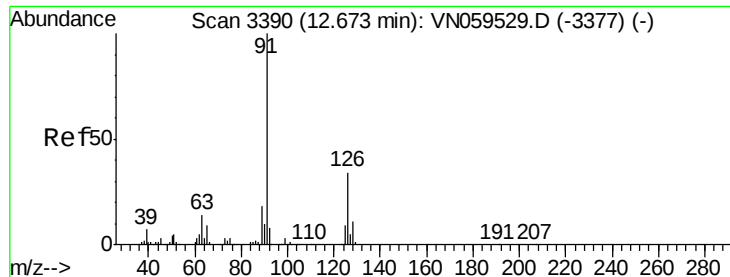
Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Tgt Ion:	91	Resp:	1025646
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.4	34.1





#79

2-Chlorotoluene

Concen: 45.445 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 542828

Ion Ratio Lower Upper

91 100

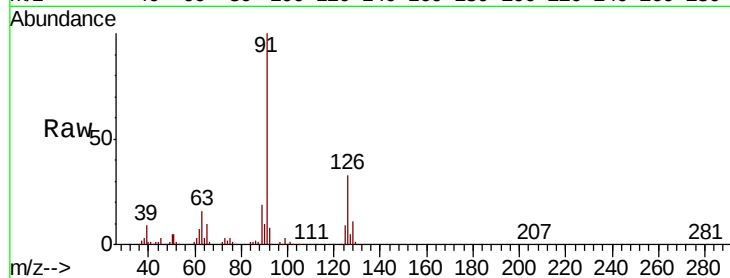
126 33.0 16.9 50.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059529.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059529.D (-3377) (-)

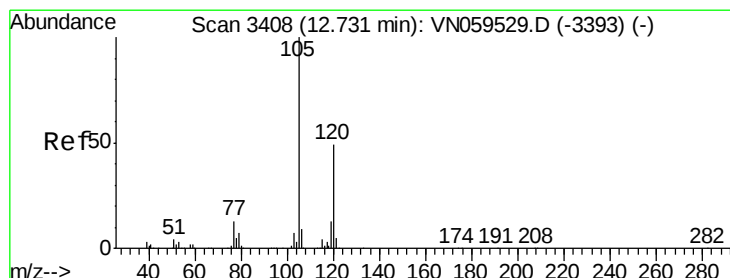
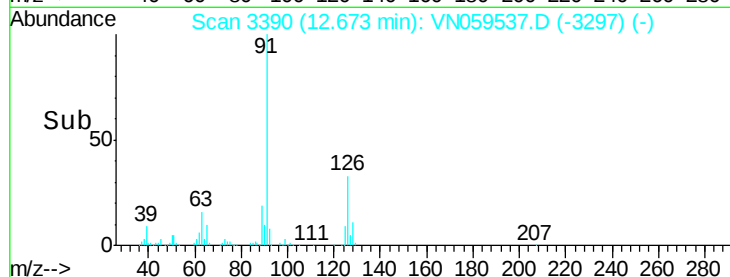
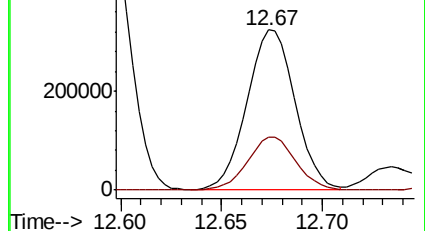
600000

400000

200000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 47.864 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059537.D

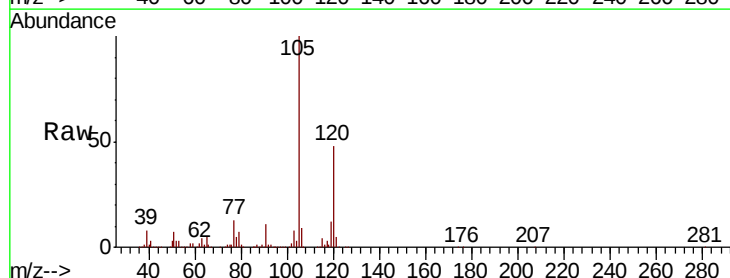
Acq: 10 Dec 2019 10:37

Tgt Ion: 105 Resp: 669076

Ion Ratio Lower Upper

105 100

120 47.7 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059529.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN059529.D (-3393) (-)

500000

400000

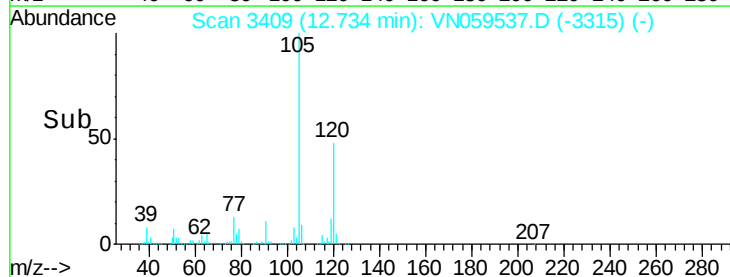
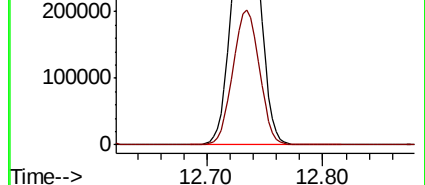
300000

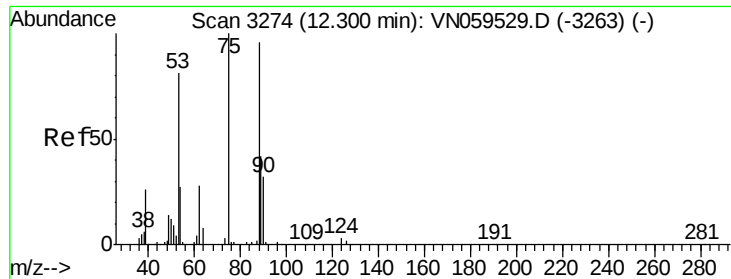
200000

100000

0

12.70 12.80





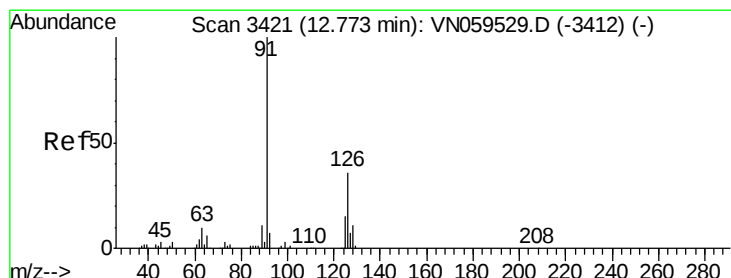
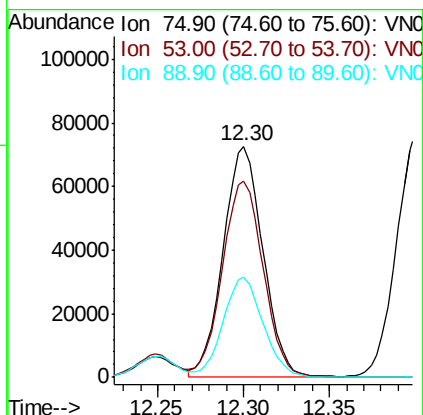
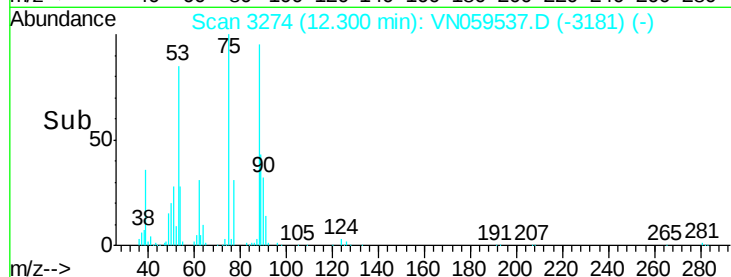
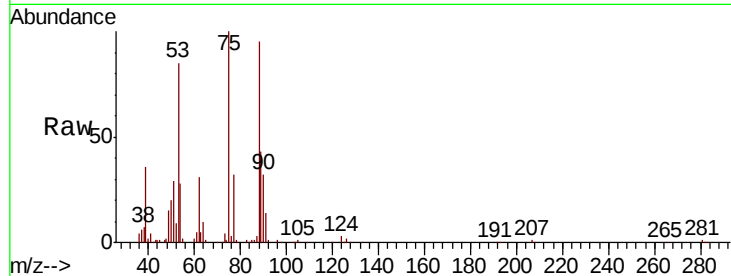
#81
trans-1,4-Dichloro-2-butene
Concen: 56.732 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.1	67.0	100.6
89	43.8	35.5	53.3

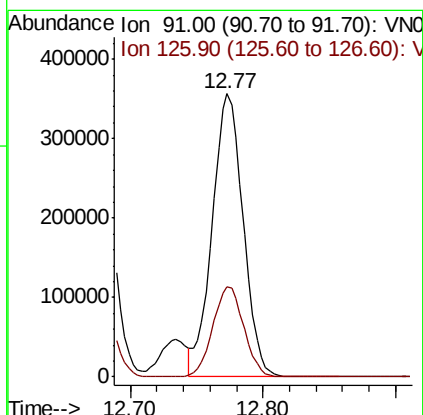
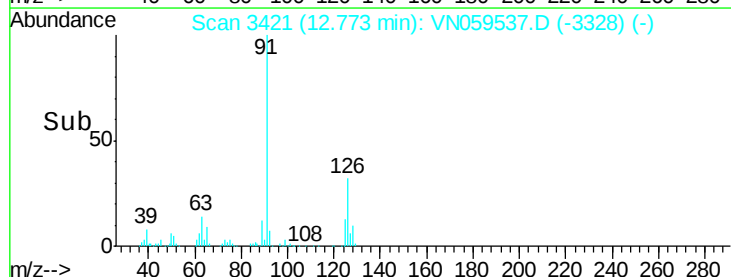
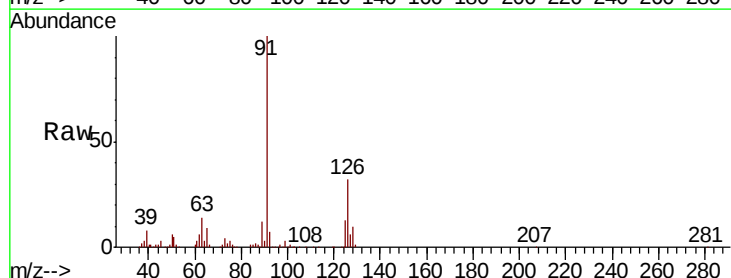
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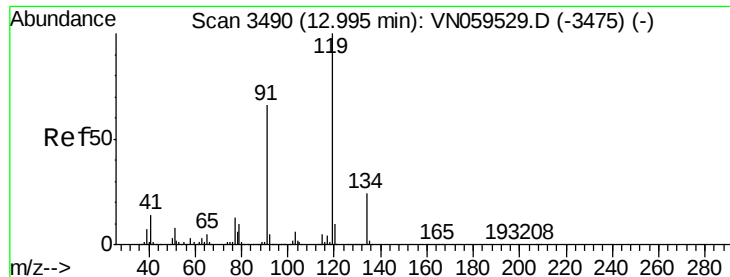
apatel
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#82
4-Chlorotoluene
Concen: 47.232 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4





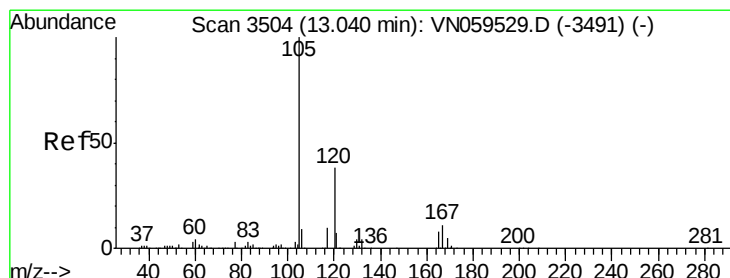
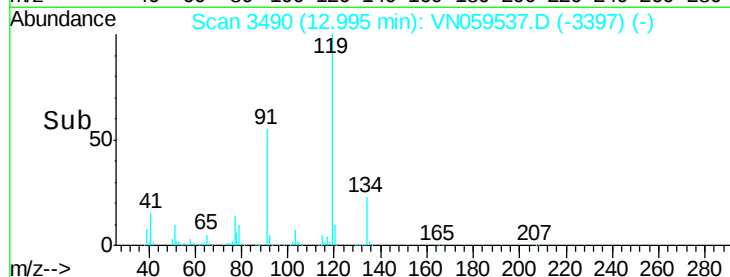
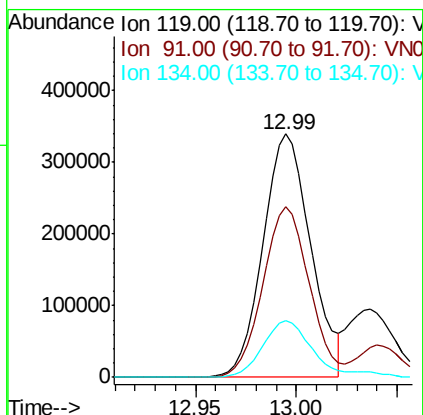
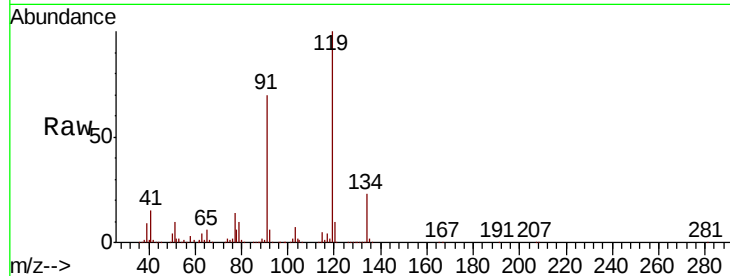
#83
tert-Butylbenzene
Concen: 47.999 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	32.8	98.4
134	25.0	12.8	38.3

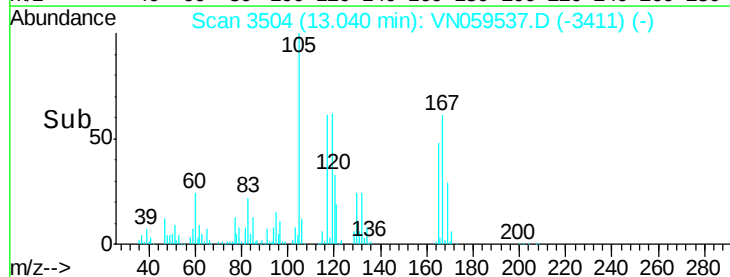
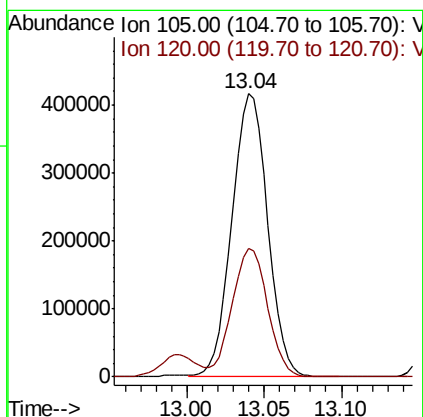
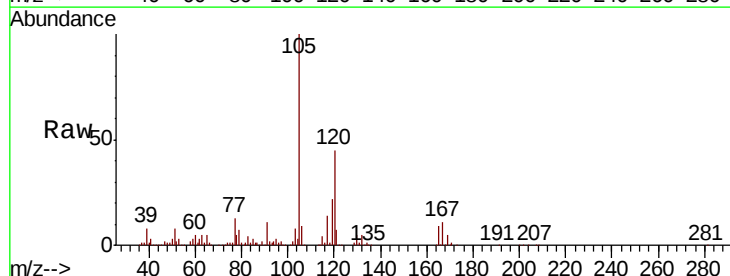
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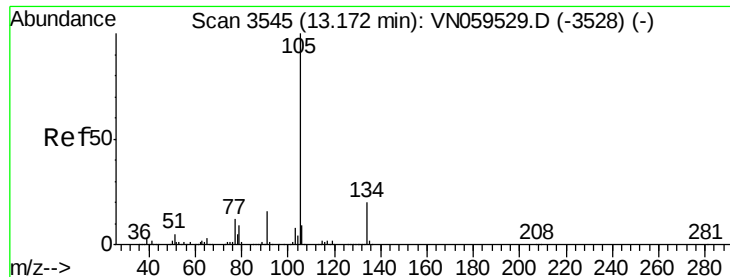
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#84
1,2,4-Trimethylbenzene
Concen: 48.280 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.8	68.3





#85

sec-Butylbenzene

Concen: 47.893 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 766826

Ion Ratio Lower Upper

105 100

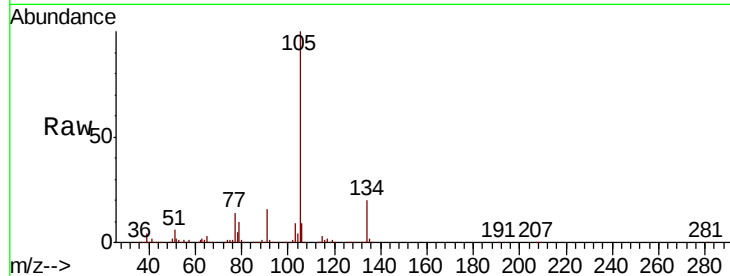
134 19.7 9.8 29.5

Manual Integrations

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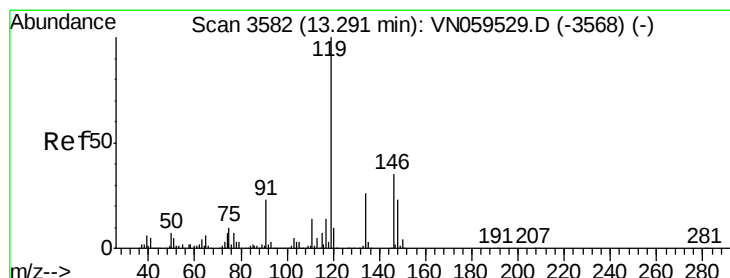
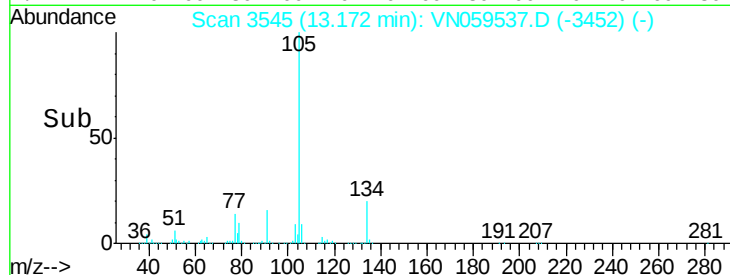
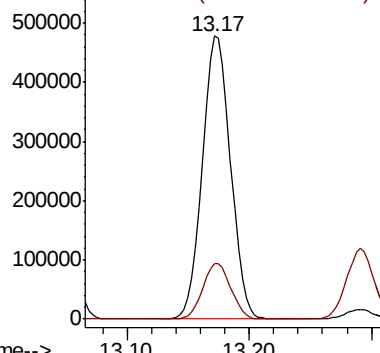
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.218 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059537.D

Acq: 10 Dec 2019 10:37

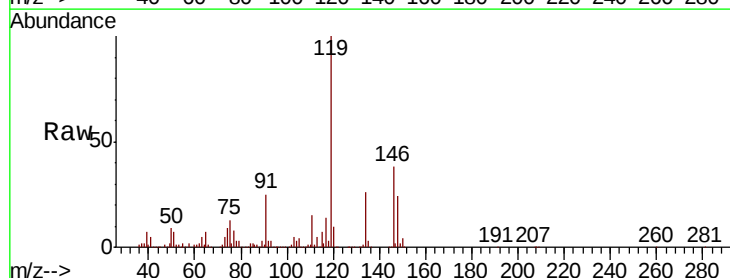
Tgt Ion:119 Resp: 704332

Ion Ratio Lower Upper

119 100

134 26.2 13.0 39.0

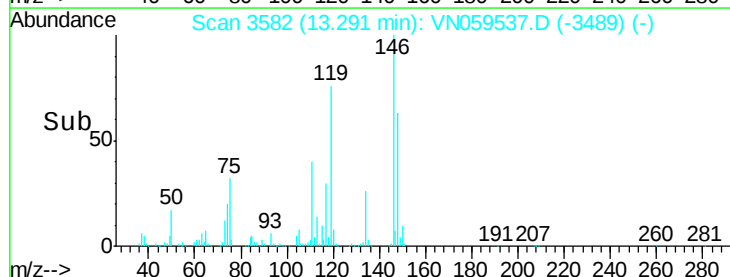
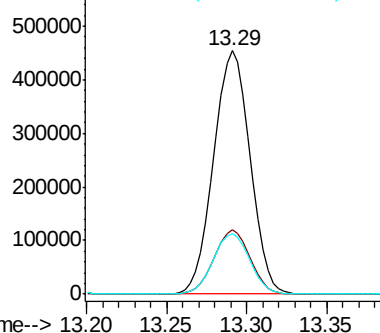
91 24.7 11.7 35.1

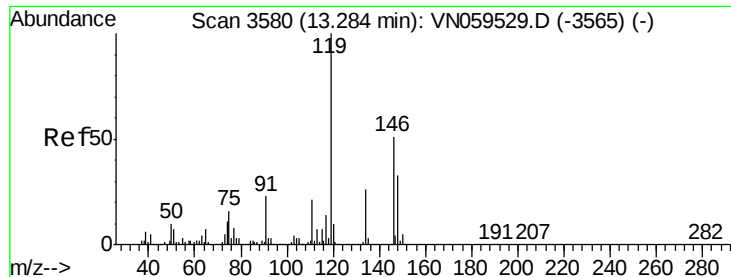


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





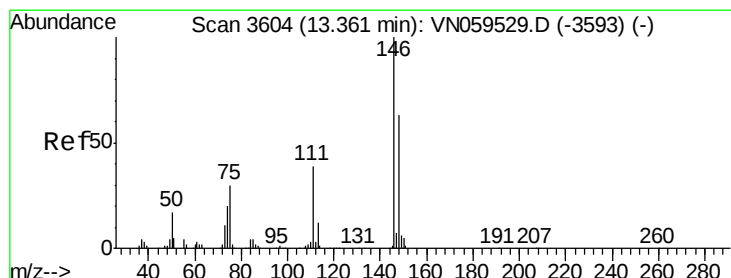
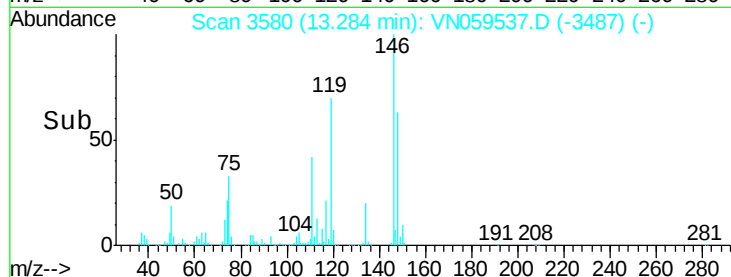
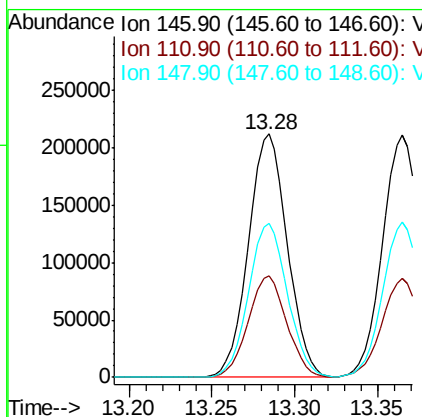
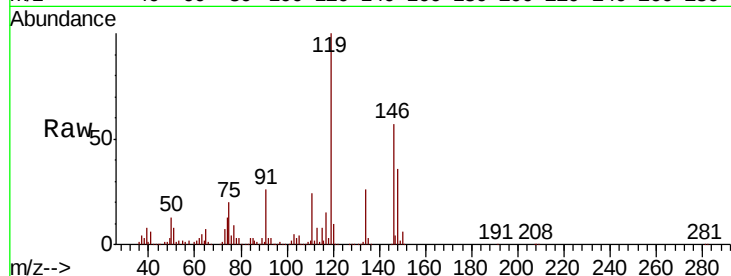
#87
 1,3-Dichlorobenzene
 Concen: 46.300 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.6	61.8
148	63.2	32.0	96.0

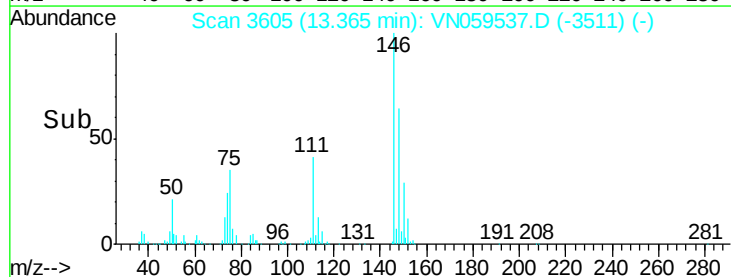
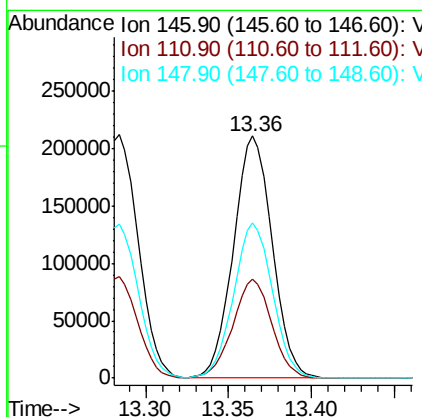
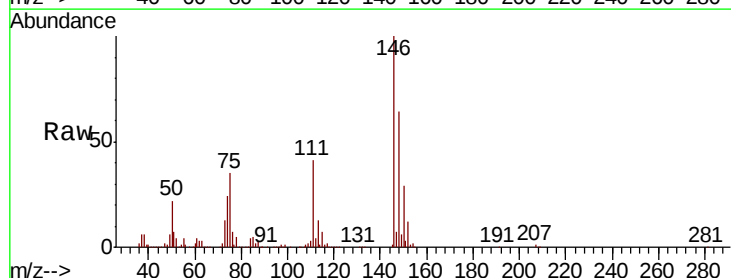
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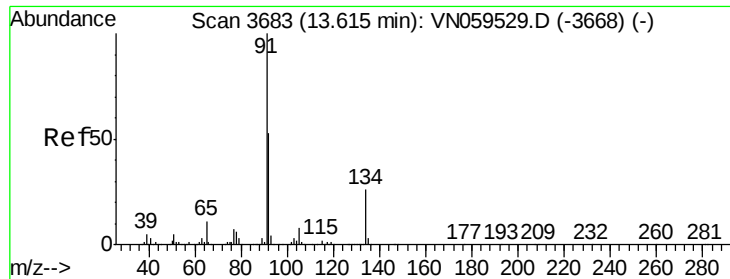
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#88
 1,4-Dichlorobenzene
 Concen: 46.785 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.0	59.9
148	64.4	31.9	95.7





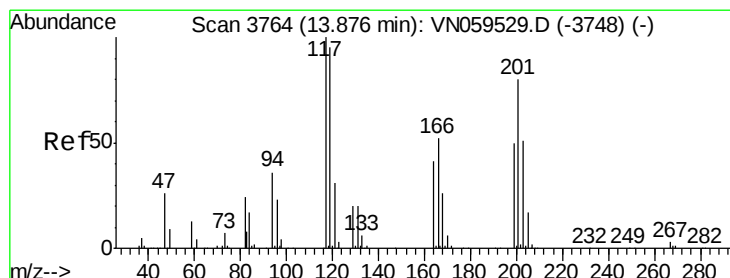
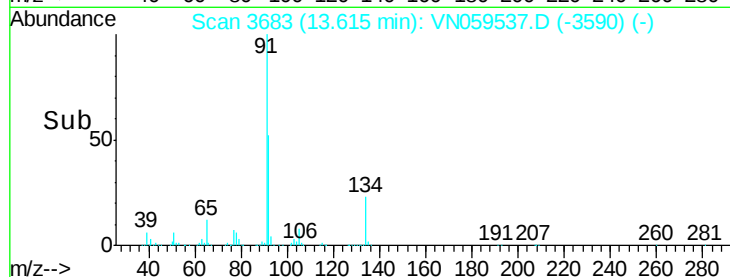
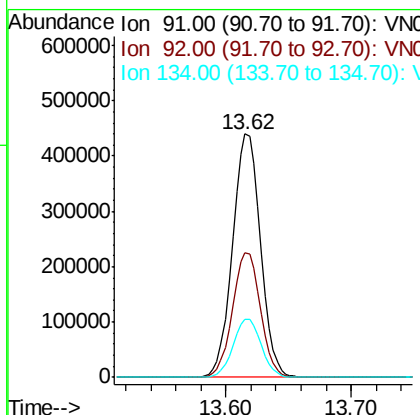
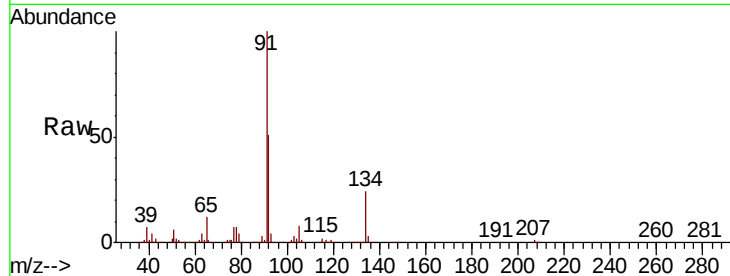
#89
n-Butylbenzene
Concen: 50.570 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.3	78.9
134	24.1	12.8	38.4

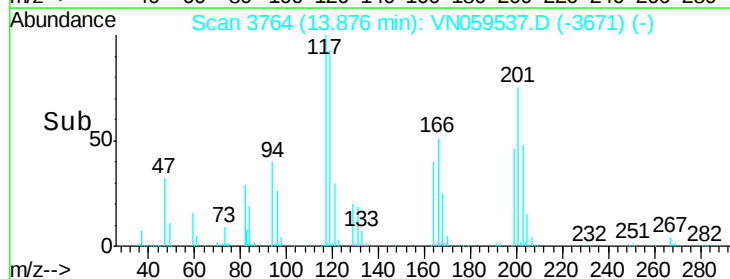
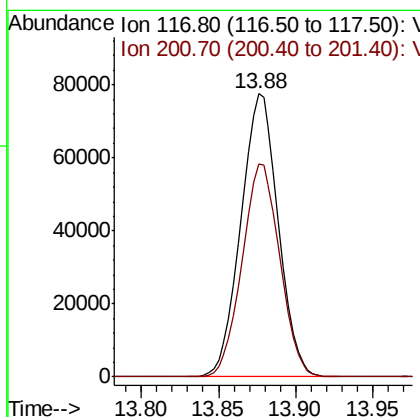
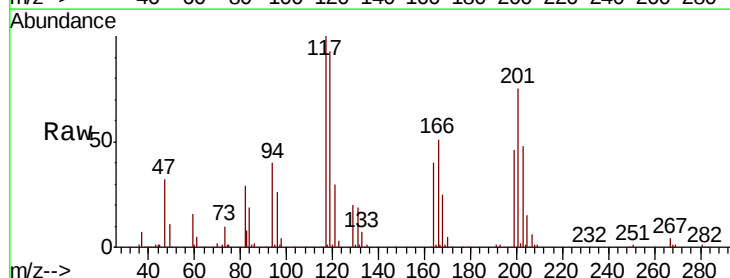
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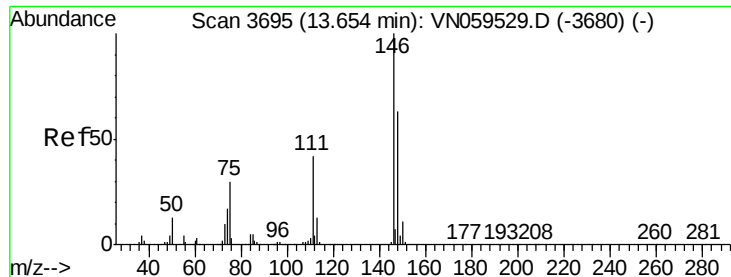
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#90
Hexachloroethane
Concen: 49.640 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	40.5	121.5





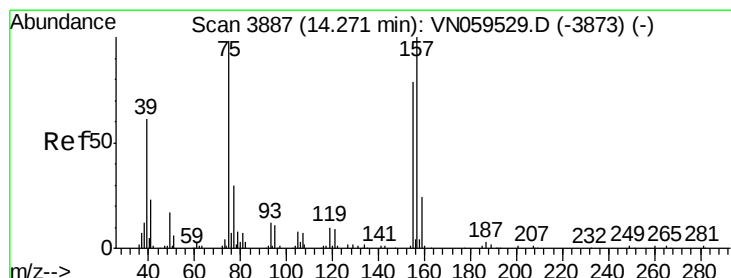
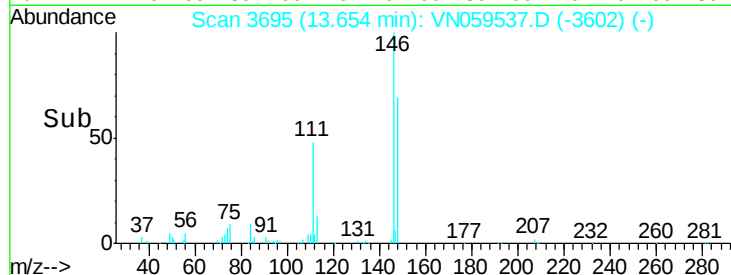
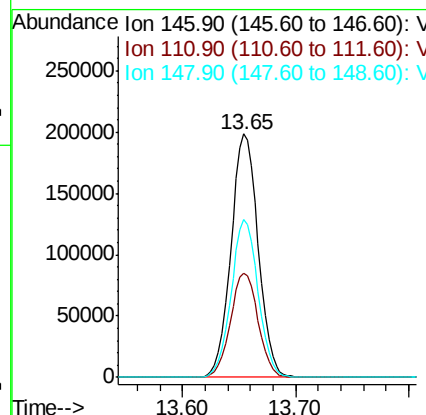
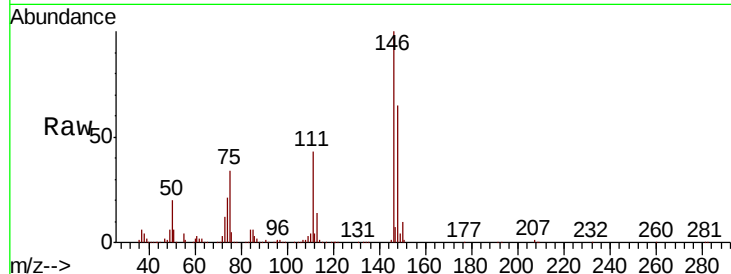
#91
 1,2-Dichlorobenzene
 Concen: 47.124 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	20.9	62.7
148	64.3	31.6	94.8

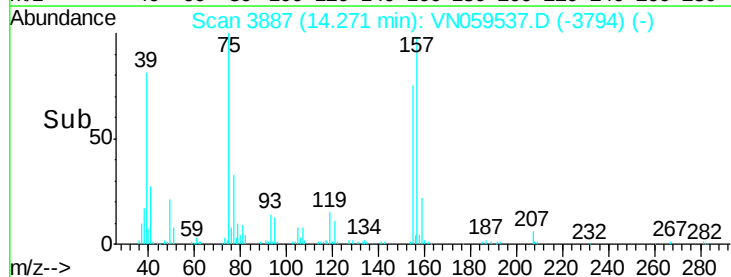
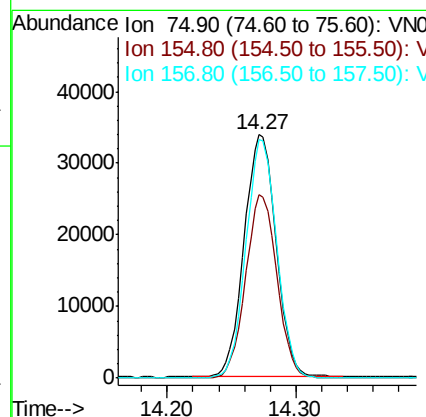
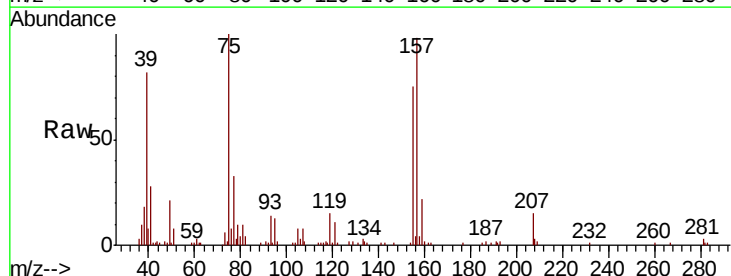
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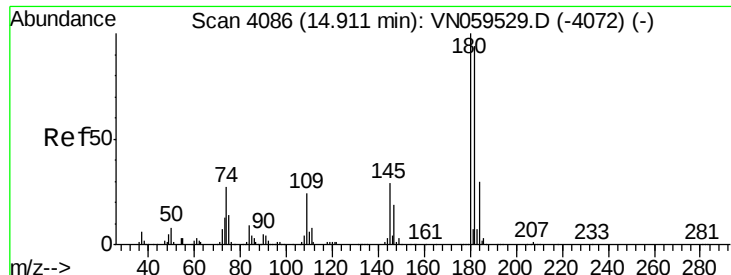
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.267 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	40.4	121.1
157	95.0	51.1	153.3





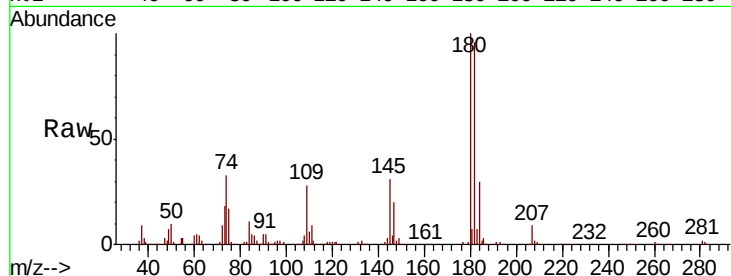
#93
 1,2,4-Trichlorobenzene
 Concen: 45.602 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	221248		
182	95.4	47.3	142.0	
145	30.3	14.9	44.7	

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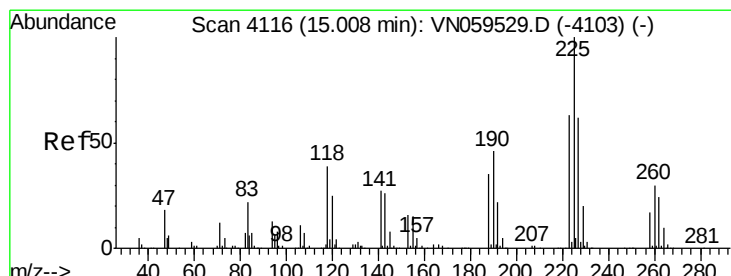
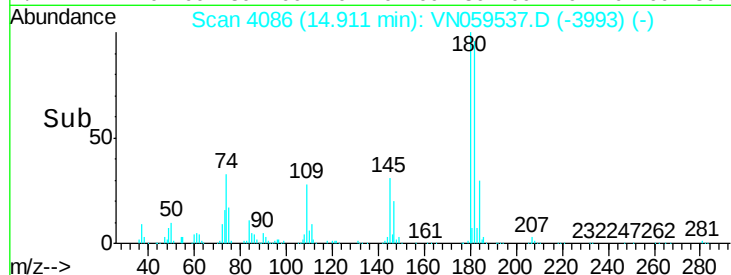
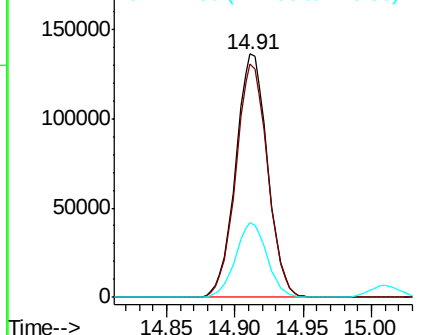


Abundance

Ion 179.80 (179.50 to 180.50): V

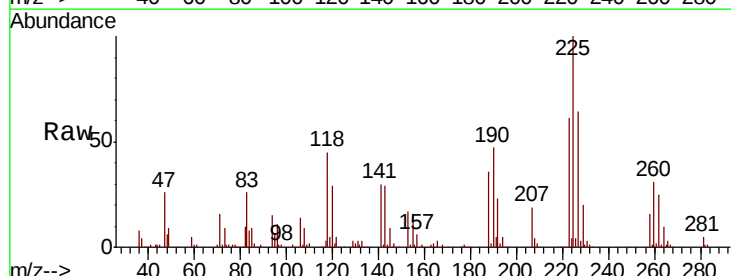
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 46.417 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN059537.D
 Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115053		
223	62.0	31.3	93.9	
227	63.6	31.6	95.0	

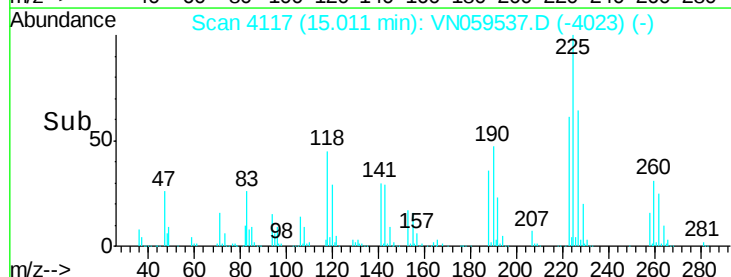
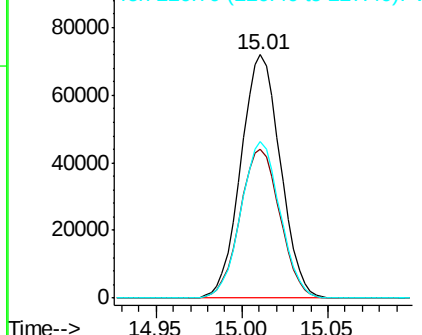


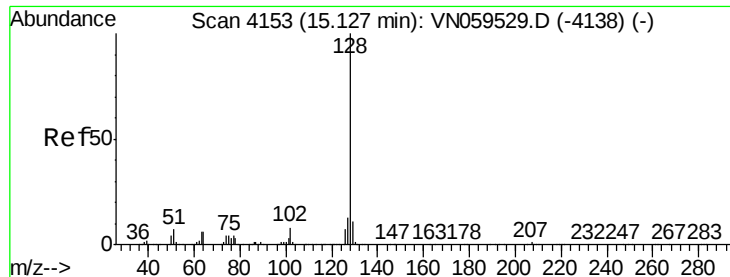
Abundance

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





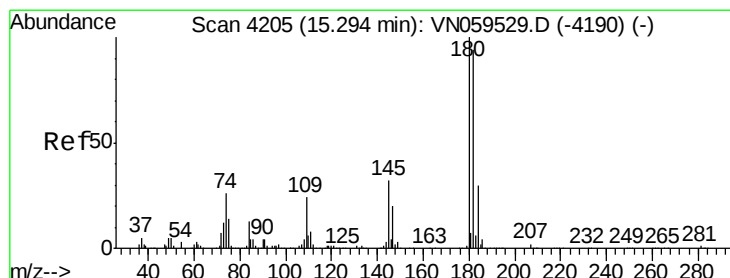
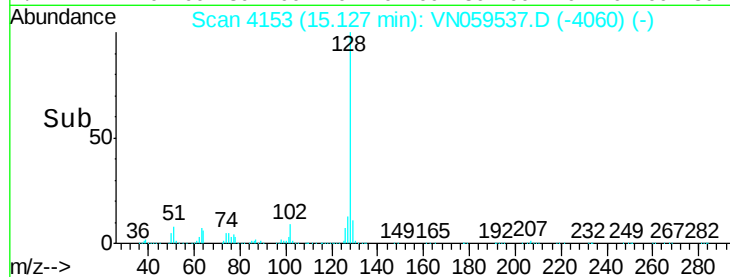
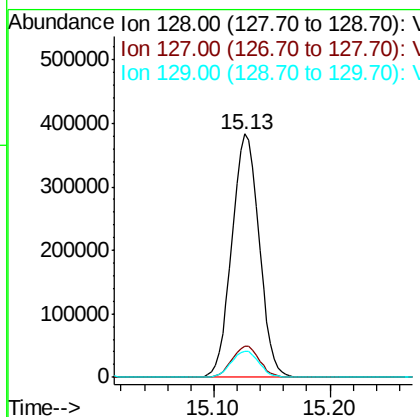
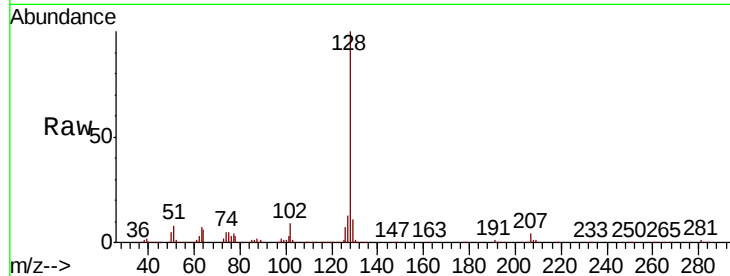
#95
Naphthalene
Concen: 43.975 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. 0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.0	8.6	13.0

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#96
1,2,3-Trichlorobenzene
Concen: 44.891 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059537.D
Acq: 10 Dec 2019 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.1	141.4
145	32.1	15.8	47.4

