

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112519\
 Data File : VN059397.D
 Acq On : 25 Nov 2019 20:35
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 11/26/2019 12:32:19 PM

Quant Time: Nov 26 02:52:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	355757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	559639	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	509335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	249842	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	214316	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
35) Dibromofluoromethane	7.57	113	174963	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
50) Toluene-d8	10.08	98	691344	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
62) 4-Bromofluorobenzene	12.40	95	251105	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	208484	45.776	ug/l	100
3) Chloromethane	2.04	50	249790	44.769	ug/l	100
4) Vinyl Chloride	2.17	62	267081	46.493	ug/l	99
5) Bromomethane	2.54	94	142466	44.670	ug/l	99
6) Chloroethane	2.68	64	135978	43.372	ug/l	97
7) Trichlorofluoromethane	3.00	101	273928	44.282	ug/l	100
8) Diethyl Ether	3.39	74	120819	47.774	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	176592	46.685	ug/l	99
10) Methyl Iodide	3.93	142	239644	50.976	ug/l	99
11) Tert butyl alcohol	4.75	59	225090	263.382	ug/l	99
12) 1,1-Dichloroethene	3.71	96	175200	45.630	ug/l	95
13) Acrolein	3.58	56	125996	161.507	ug/l	100
14) Allyl chloride	4.29	41	327906	45.715	ug/l	99
15) Acrylonitrile	4.95	53	552893	244.686	ug/l	100
16) Acetone	3.79	43	506933	264.867	ug/l	99
17) Carbon Disulfide	4.03	76	525526	43.690	ug/l	99
18) Methyl Acetate	4.29	43	316343	49.804	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	603207	48.640	ug/l	99
20) Methylene Chloride	4.52	84	202632	46.943	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	185922	45.689	ug/l	100
22) Diisopropyl ether	5.92	45	643958	47.682	ug/l	97
23) Vinyl Acetate	5.86	43	2410754	226.999	ug/l	100
24) 1,1-Dichloroethane	5.82	63	358076	47.105	ug/l	99
25) 2-Butanone	6.81	43	753841	253.296	ug/l	100
26) 2,2-Dichloropropane	6.80	77	292277	44.404	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	215894	47.023	ug/l	98
28) Bromochloromethane	7.17	49	145133	47.018	ug/l	98
29) Tetrahydrofuran	7.18	42	500143	243.038	ug/l	99
30) Chloroform	7.35	83	342699	46.448	ug/l	99
31) Cyclohexane	7.63	56	331575	44.116	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	299804	47.302	ug/l	98
36) 1,1-Dichloropropene	7.77	75	268100	46.405	ug/l	99
37) Ethyl Acetate	6.91	43	293576	47.281	ug/l	98
38) Carbon Tetrachloride	7.75	117	261777	47.330	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	323310	46.408	ug/l	99
40) Benzene	8.02	78	805716	47.516	ug/l	99
41) Methacrylonitrile	7.16	41	136049m	49.358	ug/l	
42) 1,2-Dichloroethane	8.10	62	264794	47.217	ug/l	100
43) Isopropyl Acetate	8.15	43	464018	48.899	ug/l	99
44) Trichloroethene	8.82	130	202072	47.021	ug/l	98
45) 1,2-Dichloropropane	9.10	63	216828	47.953	ug/l	99
46) Dibromomethane	9.19	93	135064	48.698	ug/l	99
47) Bromodichloromethane	9.39	83	269566	48.531	ug/l	99
48) Methyl methacrylate	9.19	41	209185	48.476	ug/l	97
49) 1,4-Dioxane	9.19	88	73965	1140.472	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1450630	261.171	ug/l	98
52) Toluene	10.15	92	493173	48.370	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	315670	48.889	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	342638	48.903	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	197049	49.707	ug/l	99
56) Ethyl methacrylate	10.42	69	312162	46.773	ug/l	99
57) 1,3-Dichloropropane	10.70	76	342924	49.632	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	530996	219.164	ug/l	99
59) 2-Hexanone	10.75	43	1101005	270.708	ug/l	98
60) Dibromochloromethane	10.90	129	214785	51.416	ug/l	100
61) 1,2-Dibromoethane	11.00	107	203732	49.392	ug/l	100
64) Tetrachloroethene	10.63	164	222158	56.396	ug/l	99
65) Chlorobenzene	11.43	112	520498	47.526	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	194072	48.779	ug/l	99
67) Ethyl Benzene	11.51	91	948629	48.512	ug/l	100
68) m/p-Xylenes	11.62	106	710198	97.742	ug/l	100
69) o-Xylene	11.95	106	340252	48.914	ug/l	99
70) Styrene	11.96	104	561392	51.147	ug/l	99
71) Bromoform	12.13	173	156425	51.914	ug/l	99
73) Isopropylbenzene	12.25	105	917999	44.853	ug/l	100
74) N-amyl acetate	12.07	43	391862	47.641	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	298706	44.120	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	272887m	47.278	ug/l	
77) Bromobenzene	12.53	156	222852	44.892	ug/l	98
78) n-propylbenzene	12.59	91	1077707	46.486	ug/l	100
79) 2-Chlorotoluene	12.68	91	631502	44.378	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	785185	45.637	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	110215	47.759	ug/l	98
82) 4-Chlorotoluene	12.77	91	654869	44.471	ug/l	100
83) tert-Butylbenzene	12.99	119	670627	46.152	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	783052	46.462	ug/l	100
85) sec-Butylbenzene	13.17	105	898043	45.982	ug/l	100
86) p-Isopropyltoluene	13.29	119	818529	47.099	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	400140	45.262	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	397955	45.497	ug/l	99
89) n-Butylbenzene	13.62	91	707187	46.387	ug/l	100
90) Hexachloroethane	13.88	117	147685	44.871	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	394391	46.110	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	63290	43.969	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	236684	44.815	ug/l	98
94) Hexachlorobutadiene	15.01	225	139554	45.286	ug/l	98
95) Naphthalene	15.13	128	623096	42.788	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	235893	45.361	ug/l	98

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

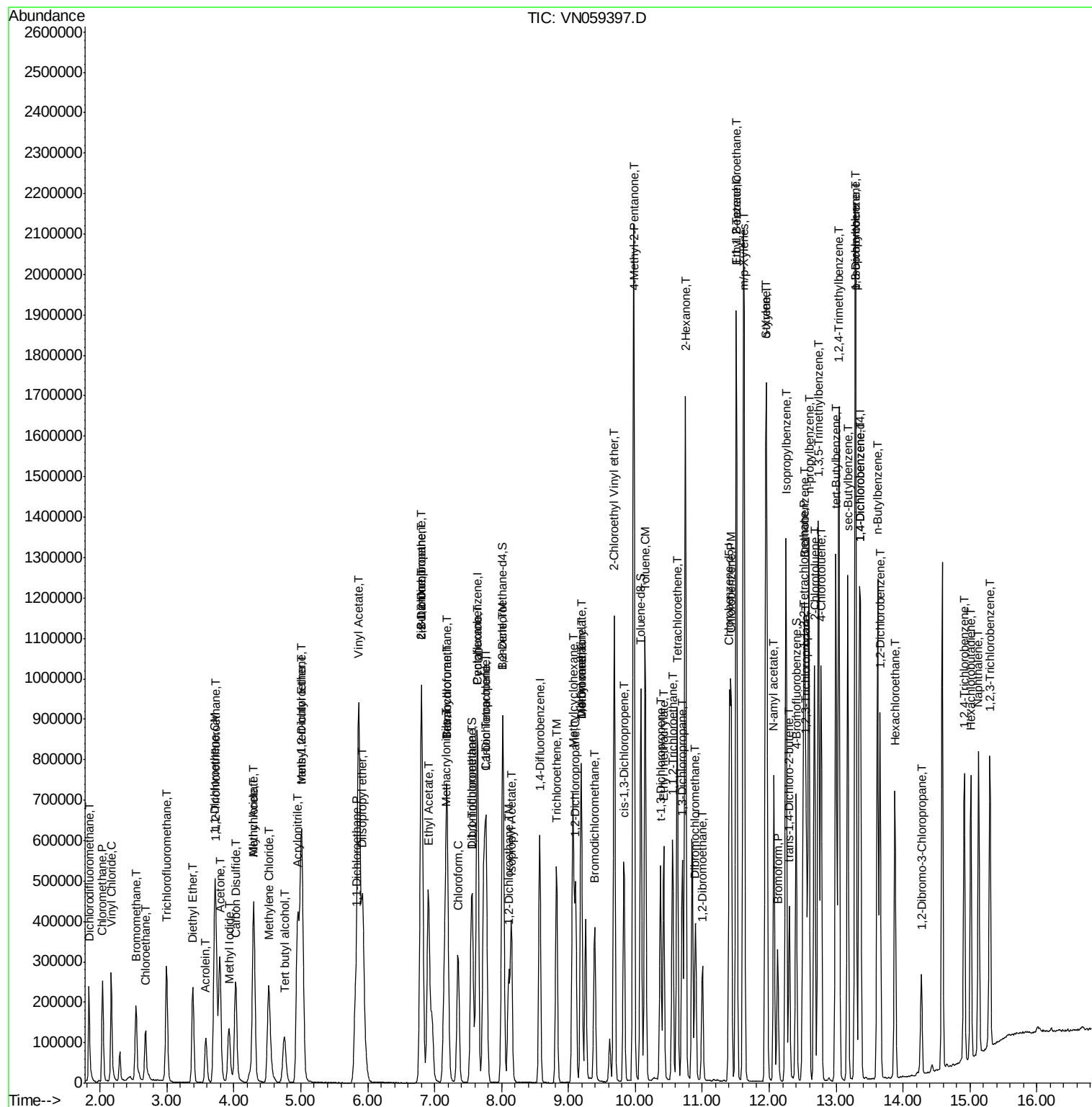
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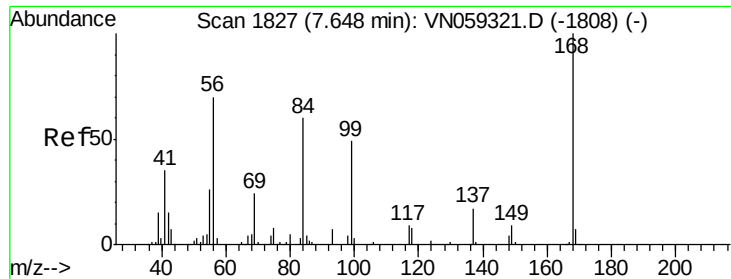
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 355757

Ion Ratio Lower Upper

168 100

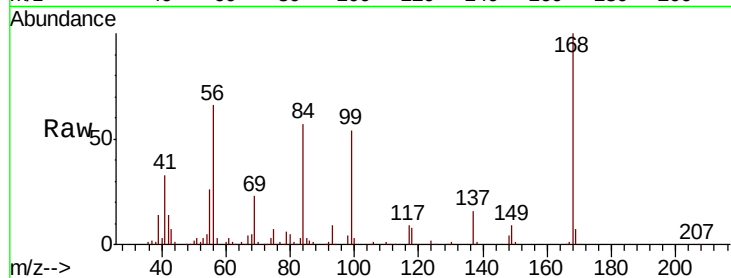
99 53.6 44.6 66.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.64

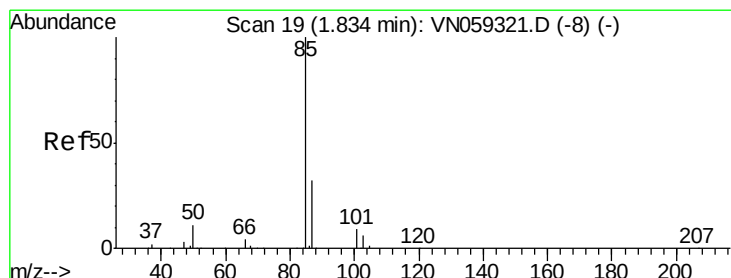
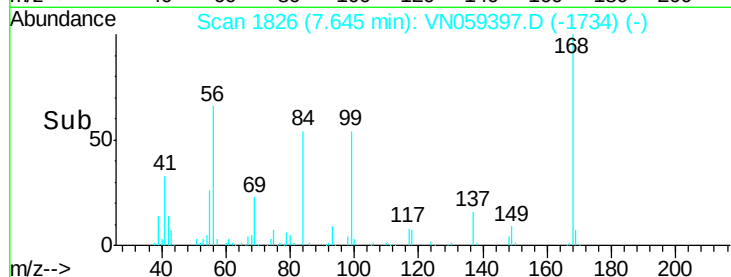
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 45.776 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059397.D

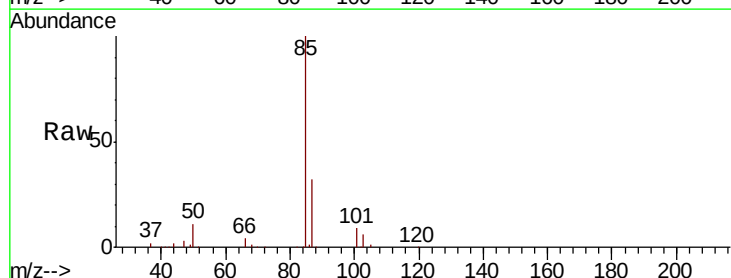
Acq: 25 Nov 2019 20:35

Tgt Ion: 85 Resp: 208484

Ion Ratio Lower Upper

85 100

87 32.1 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC

1.83

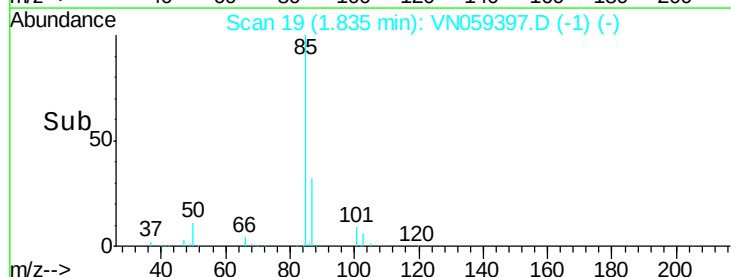
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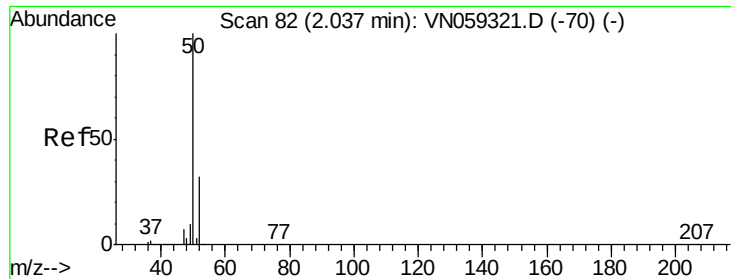
100000

50000

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Time-->





#3

Chloromethane

Concen: 44.769 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 249790

Ion Ratio Lower Upper

50 100

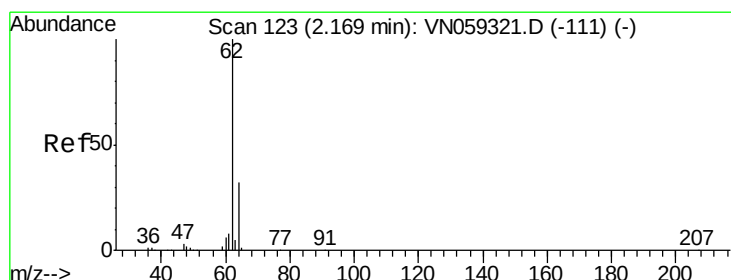
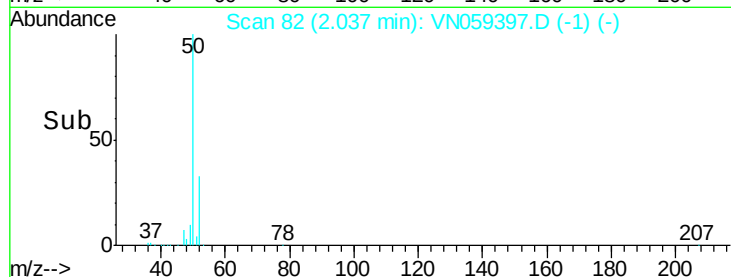
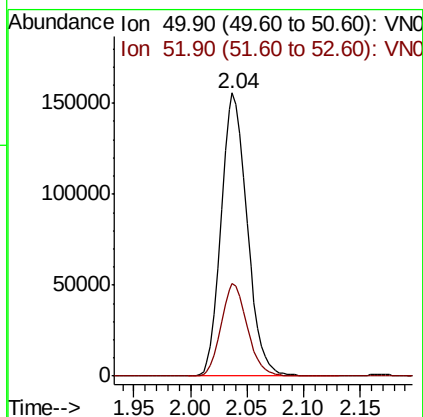
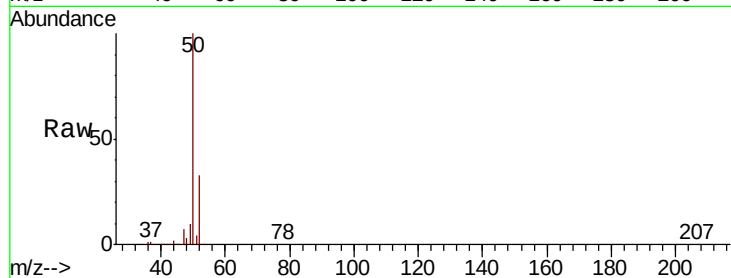
52 32.7 26.0 39.0

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#4

Vinyl Chloride

Concen: 46.493 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059397.D

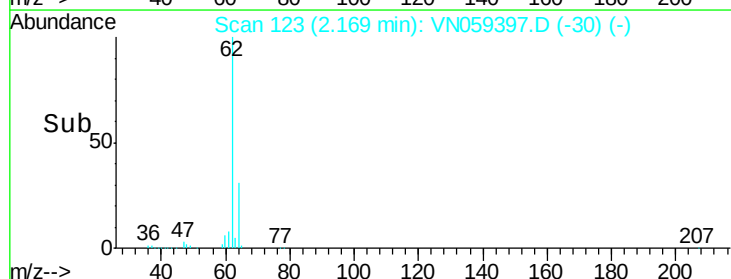
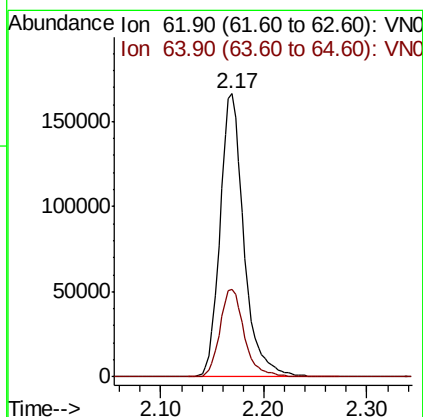
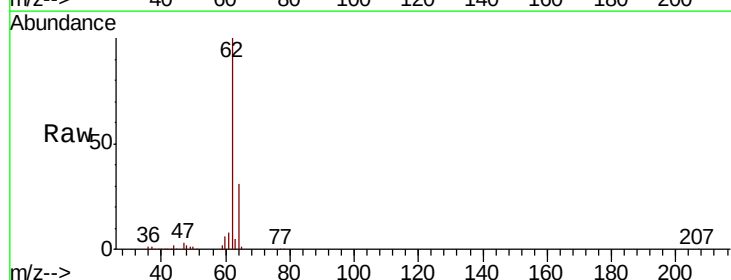
Acq: 25 Nov 2019 20:35

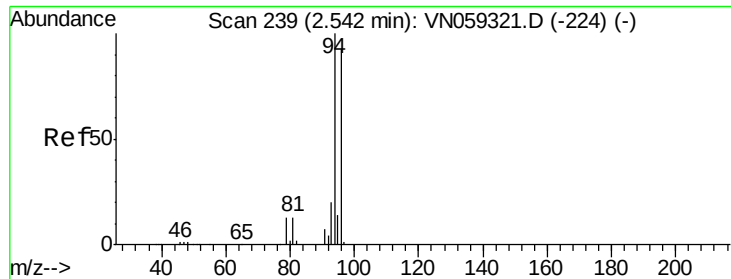
Tgt Ion: 62 Resp: 267081

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 44.670 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

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VSTDCCC050EC

Tot Ion: 94 Resp: 142466

Ion Ratio Lower Upper

94 100

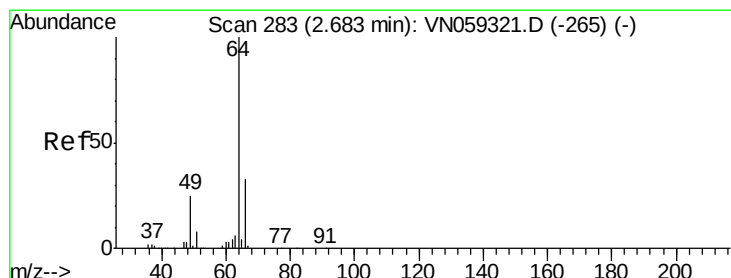
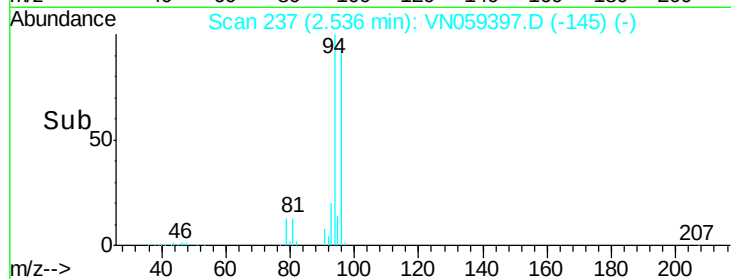
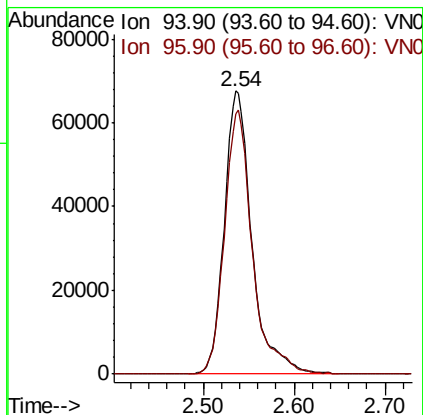
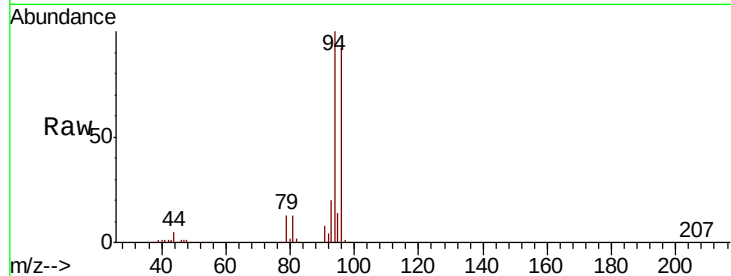
96 92.1 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 43.372 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059397.D

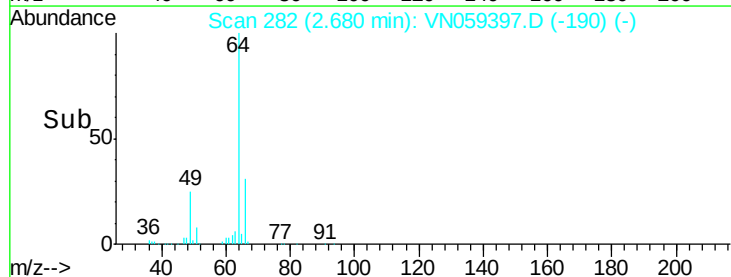
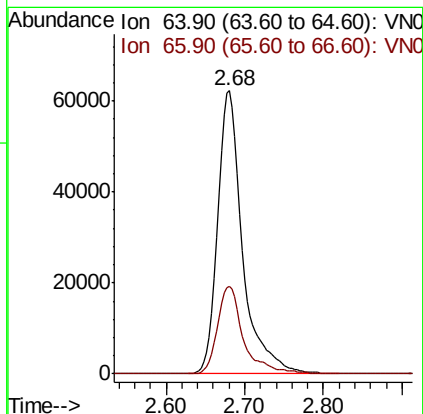
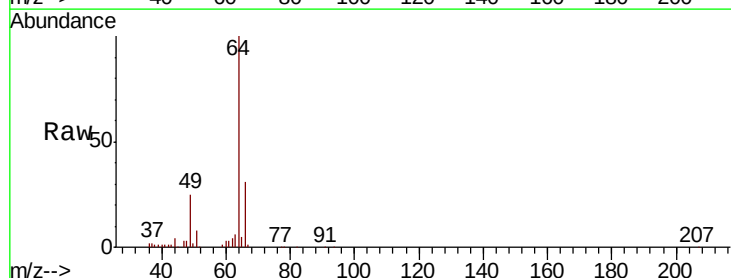
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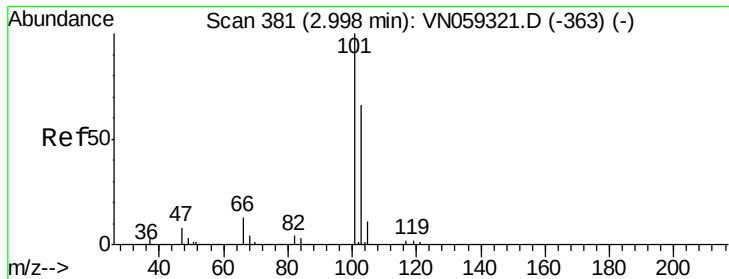
Tgt Ion: 64 Resp: 135978

Ion Ratio Lower Upper

64 100

66 30.8 26.2 39.2





#7

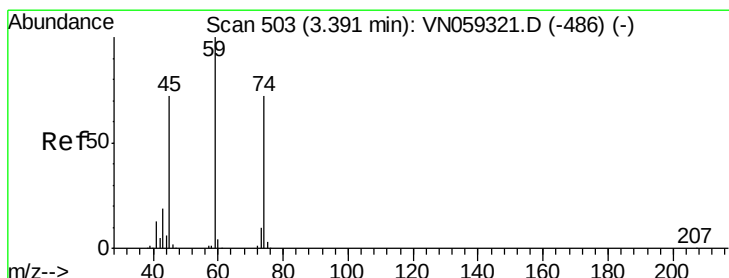
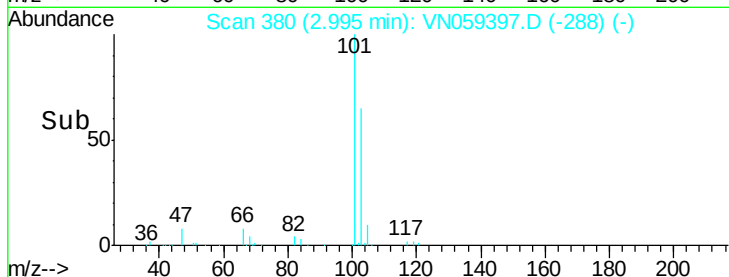
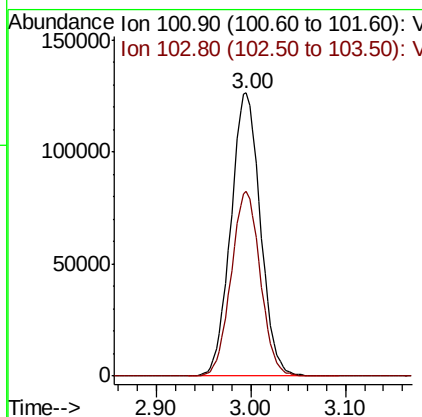
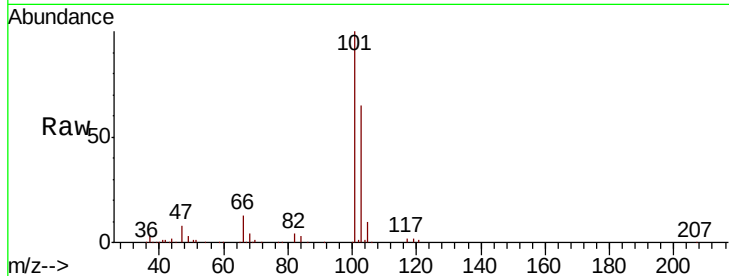
Trichlorofluoromethane
 Concen: 44.282 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.5	78.7

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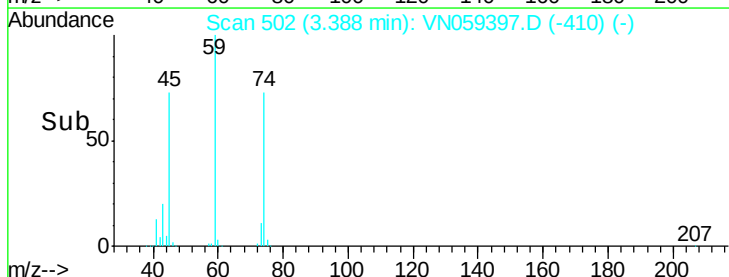
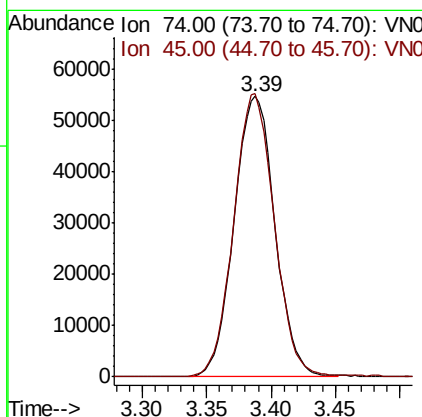
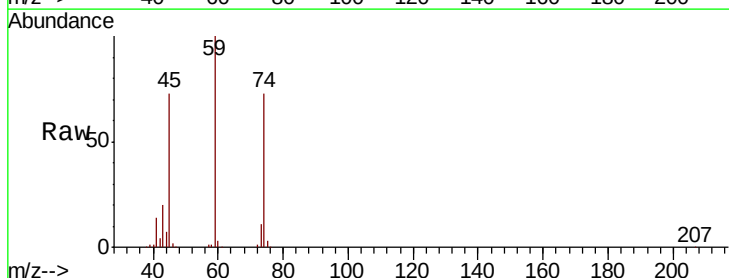
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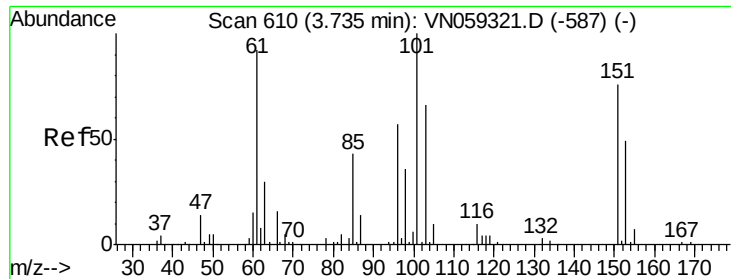


#8

Diethyl Ether
 Concen: 47.774 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	51.7	155.2





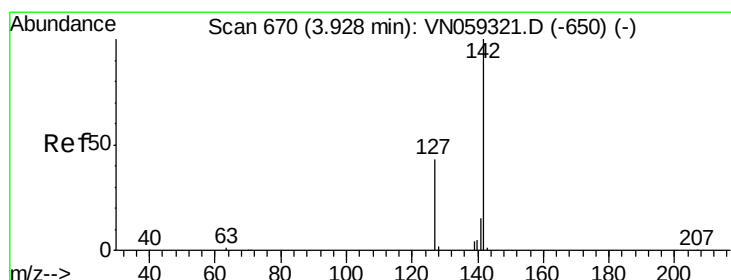
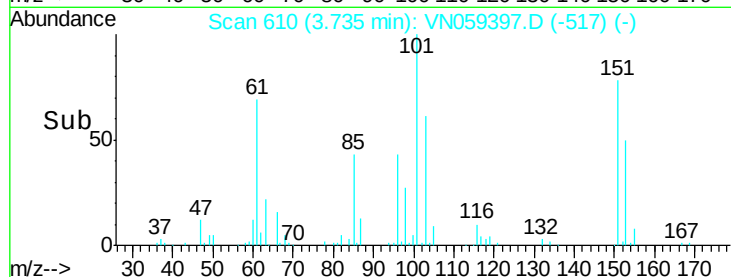
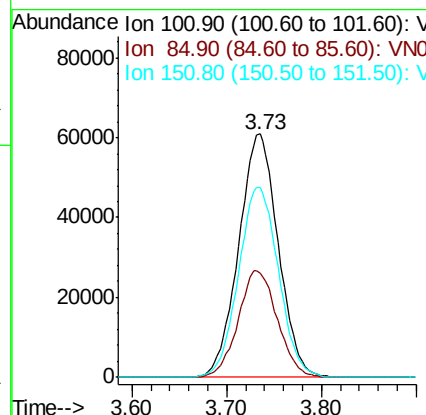
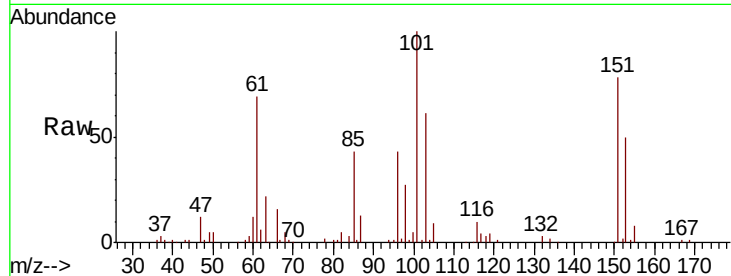
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.685 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.6	34.8	52.2
151	79.2	62.2	93.4

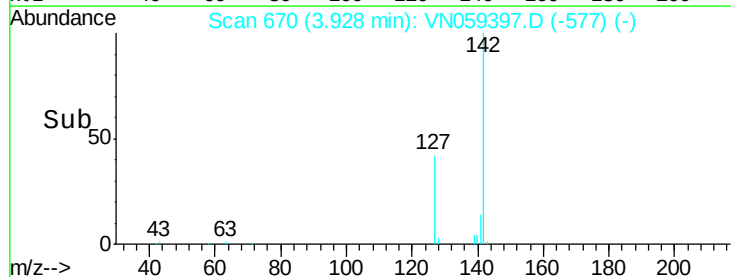
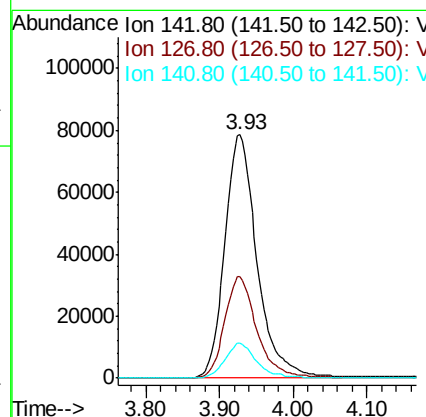
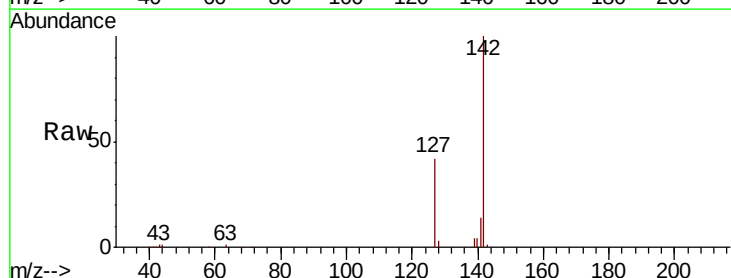
Manual Integrations
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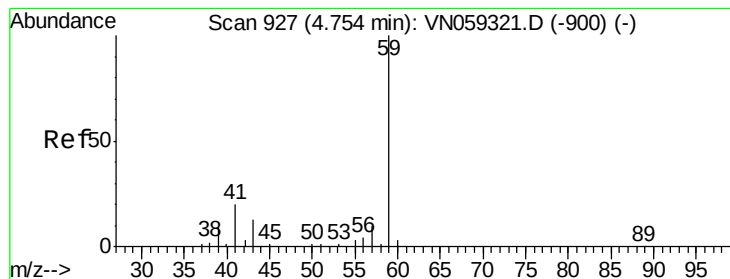
apatel
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#10
 Methyl Iodide
 Concen: 50.976 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
142	100		
127	41.3	33.8	50.6
141	14.0	11.2	16.8





#11

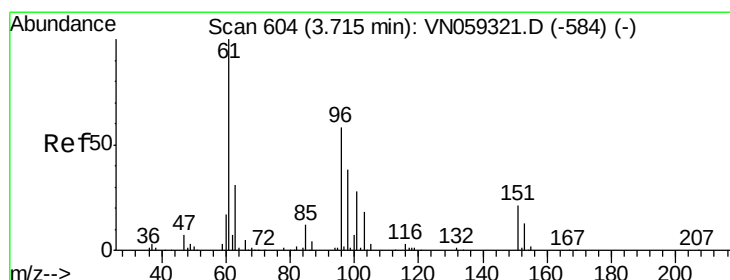
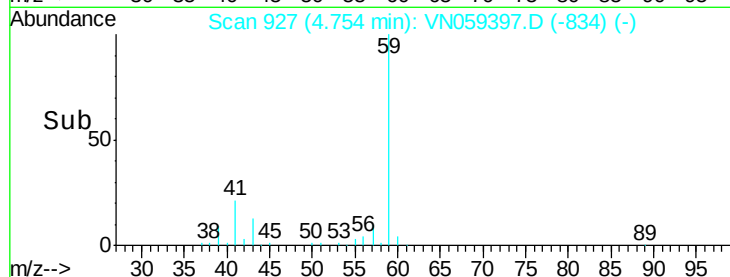
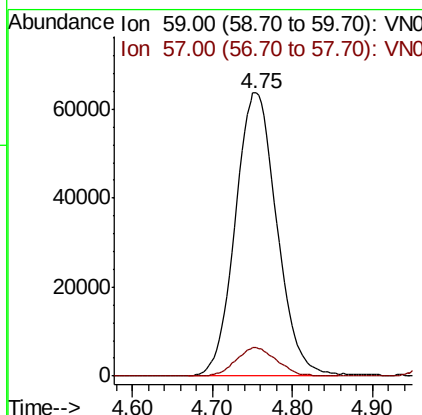
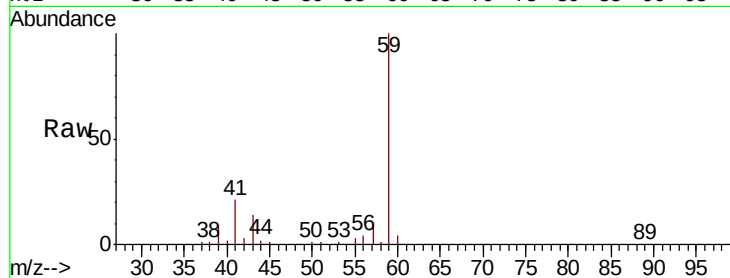
Tert butyl alcohol
 Concen: 263.382 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	225090		
57	9.9		8.2	12.2

Manual Integrations
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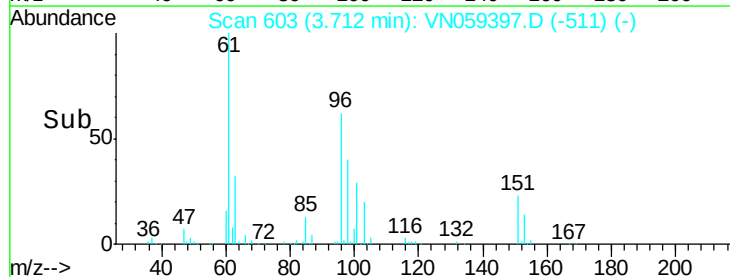
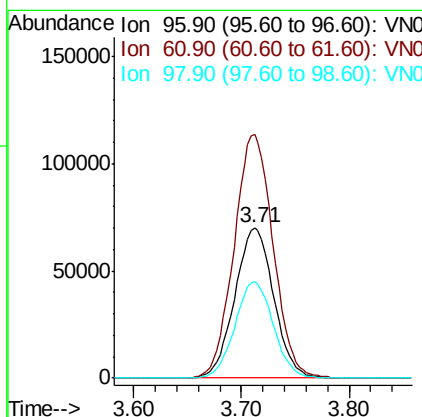
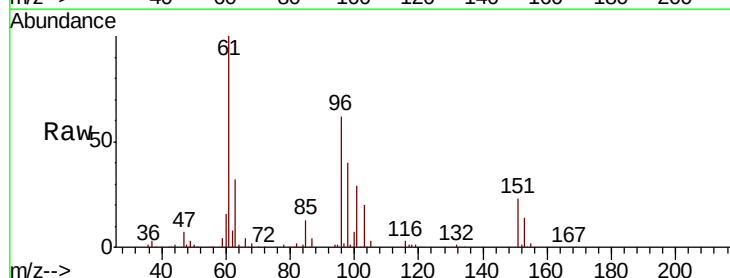
apatel
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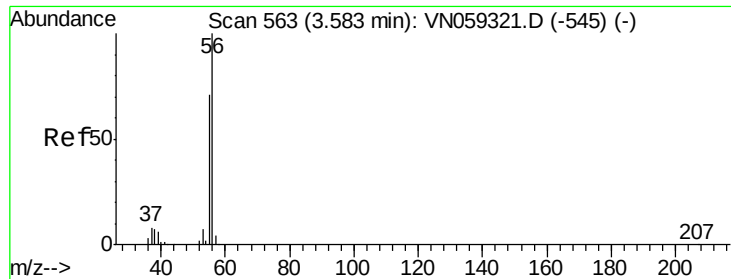


#12

1,1-Dichloroethene
 Concen: 45.630 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	175200		
61	161.7		136.8	205.2
98	64.0		51.6	77.4





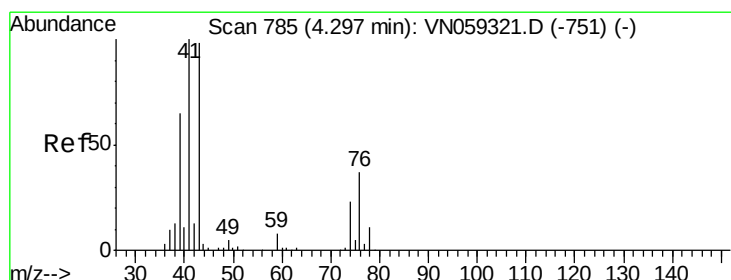
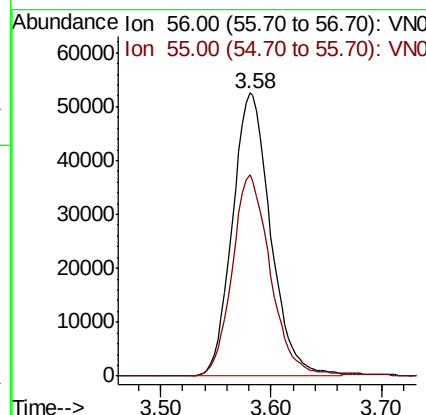
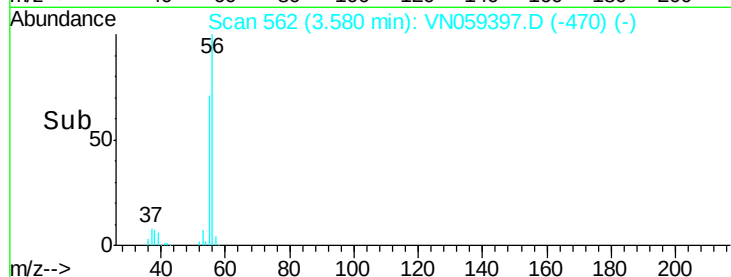
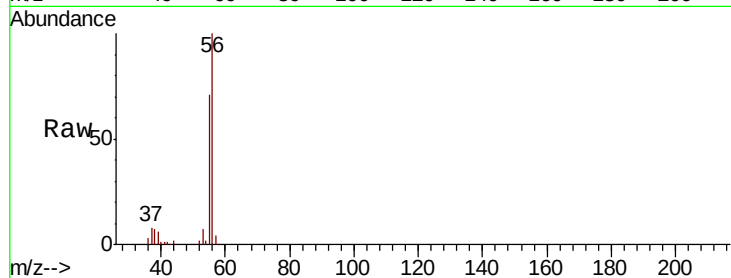
#13
Acrolein
Concen: 161.507 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.7	57.4	86.0

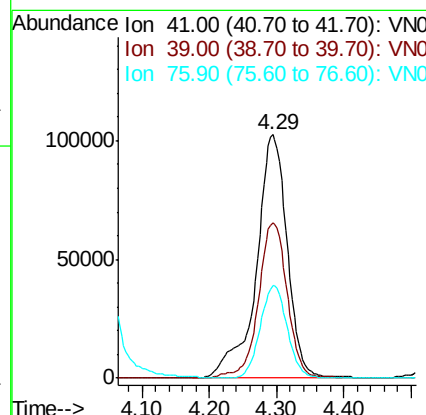
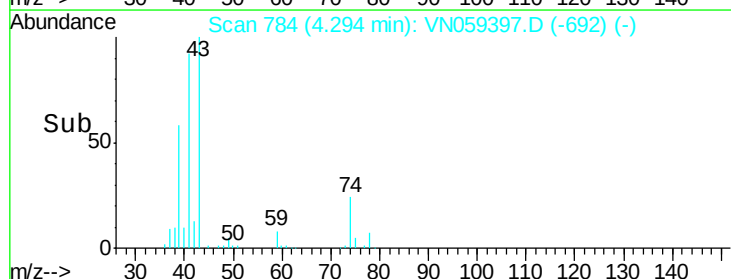
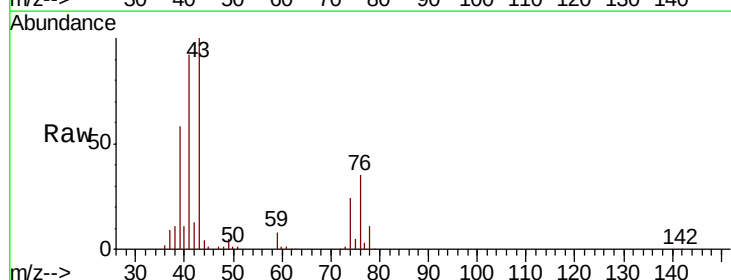
Manual Integrations
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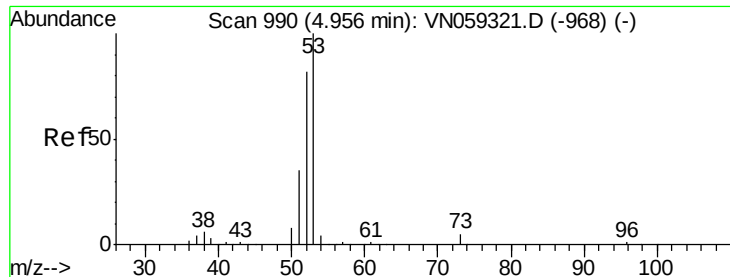
apatel
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#14
Allyl chloride
Concen: 45.715 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.3	48.4	72.6
76	32.7	26.2	39.4





#15

Acrylonitrile

Concen: 244.686 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

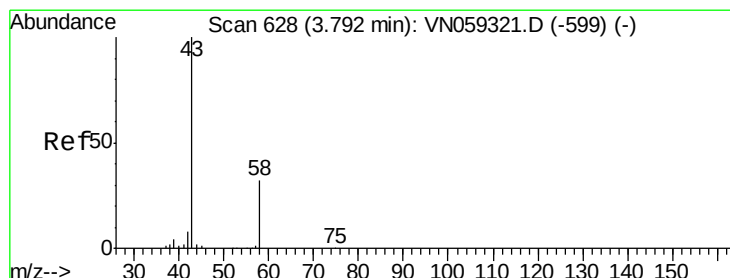
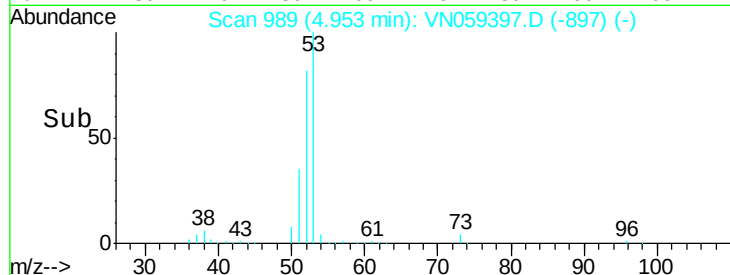
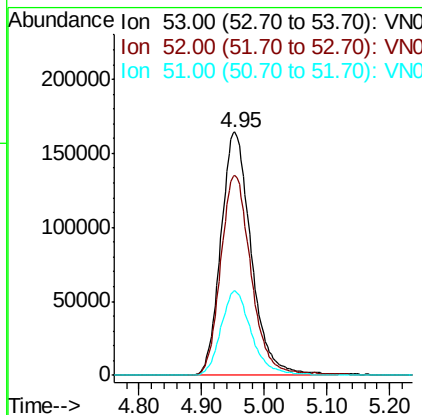
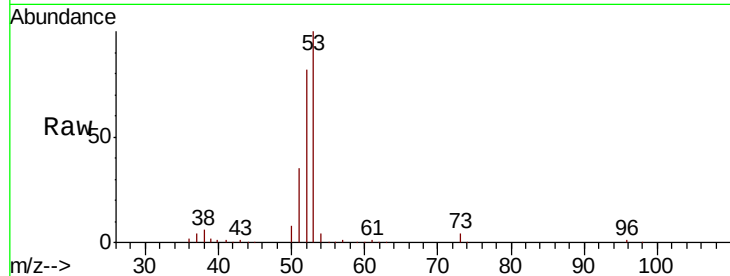
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	552893
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.8	98.8
51	35.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 264.867 ug/l

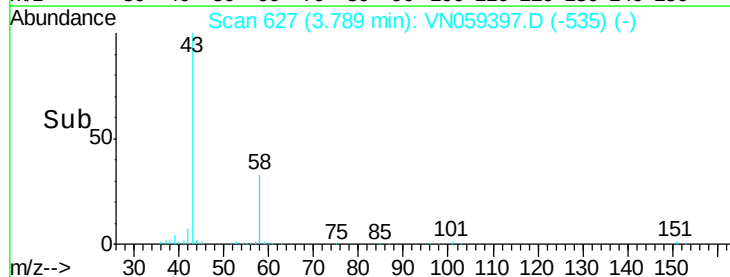
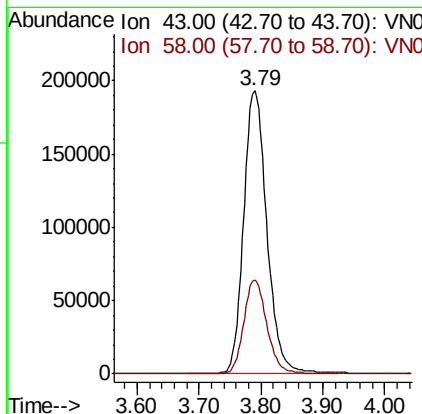
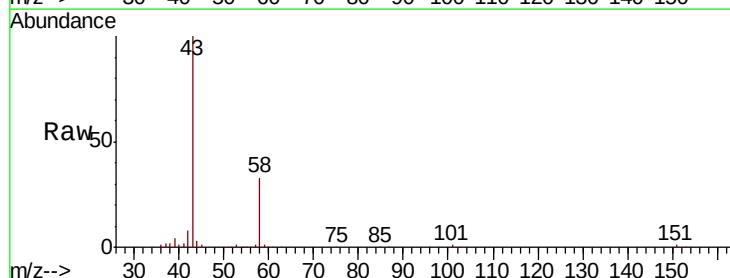
RT: 3.79 min Scan# 627

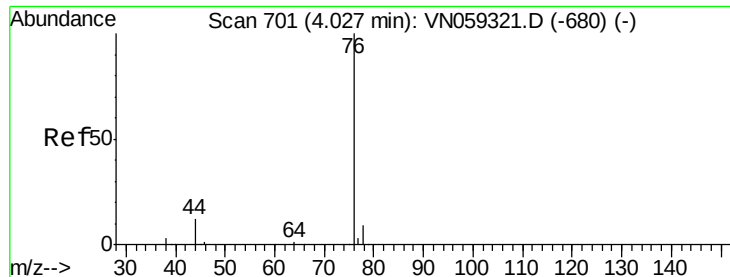
Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion:	43	Resp:	506933
Ion Ratio	Lower	Upper	
43	100		
58	33.0	25.8	38.6





#17

Carbon Disulfide

Concen: 43.690 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 525526

Ion Ratio Lower Upper

76 100

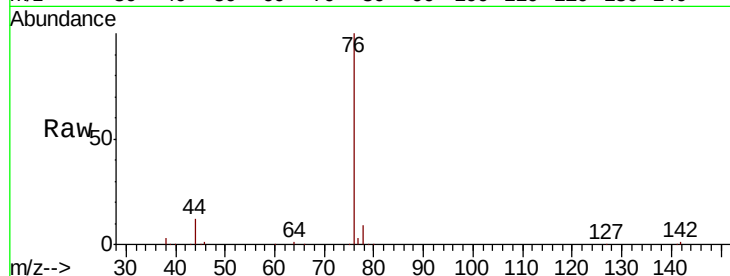
78 8.8 7.2 10.8

Manual Integrations

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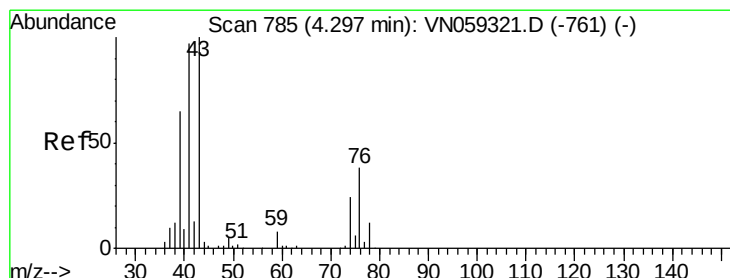
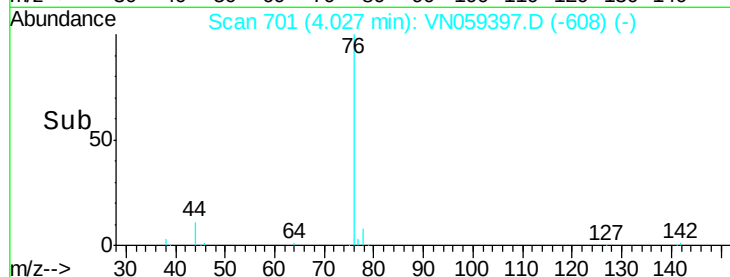
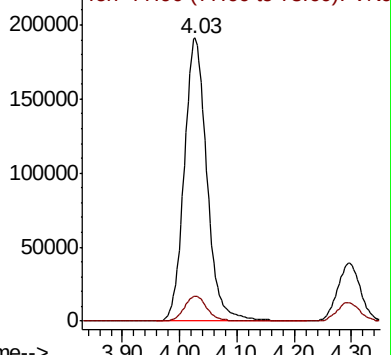
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 49.804 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059397.D

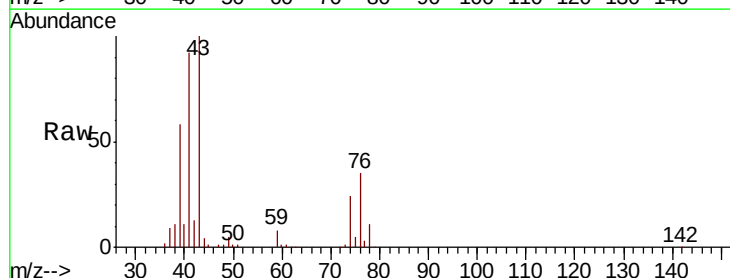
Acq: 25 Nov 2019 20:35

Tgt Ion: 43 Resp: 316343

Ion Ratio Lower Upper

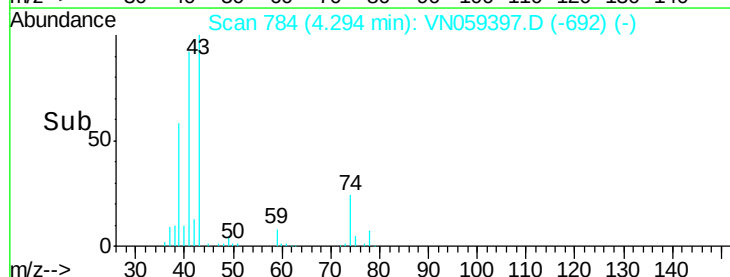
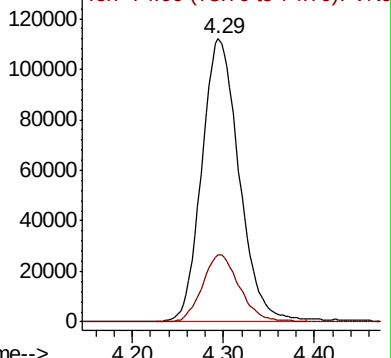
43 100

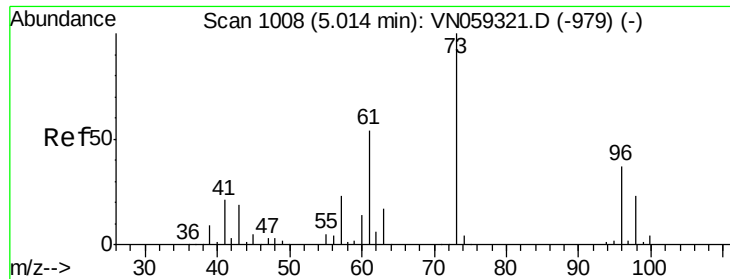
74 23.7 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





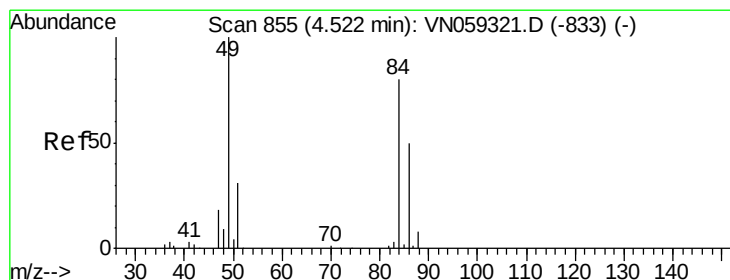
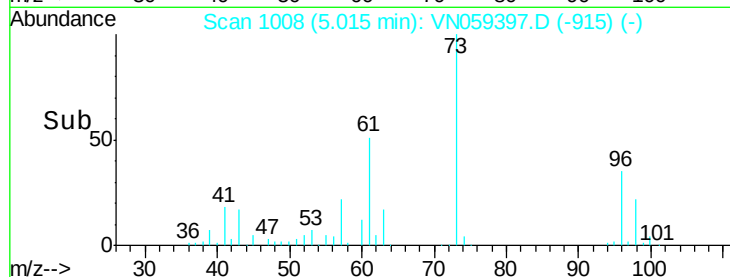
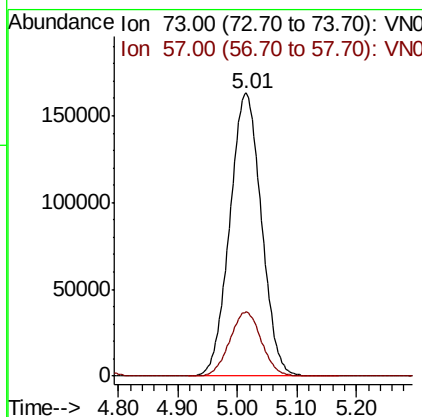
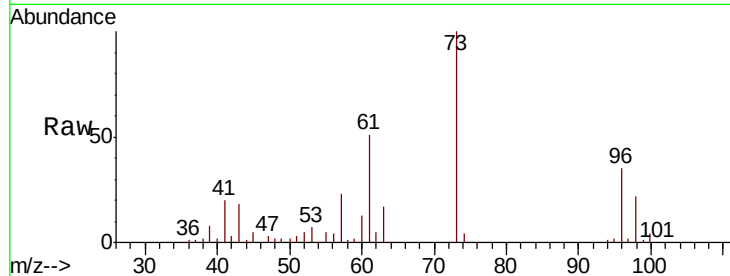
#19
Methyl tert-butyl Ether
Concen: 48.640 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.4	27.6

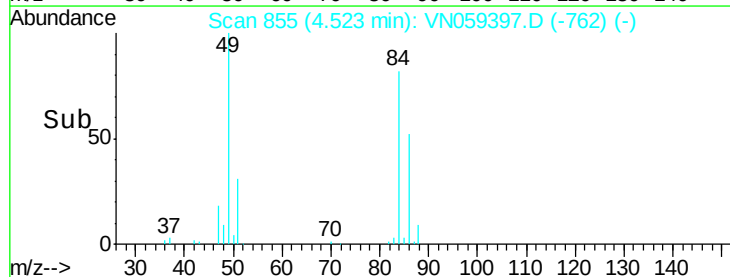
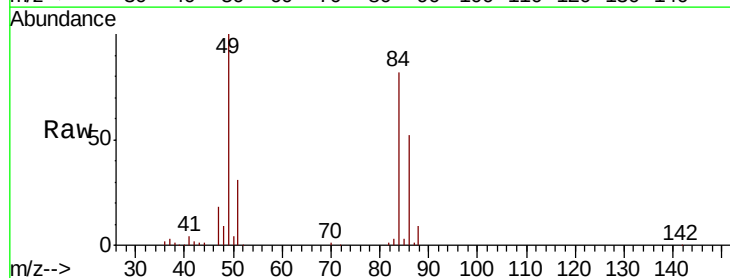
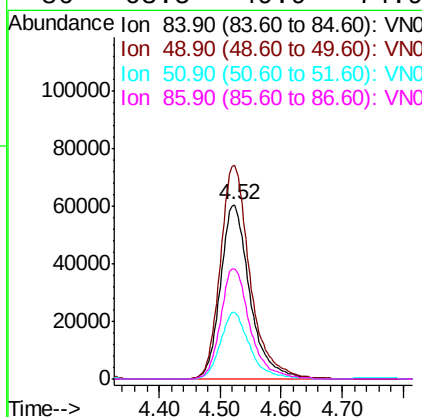
Manual Integrations
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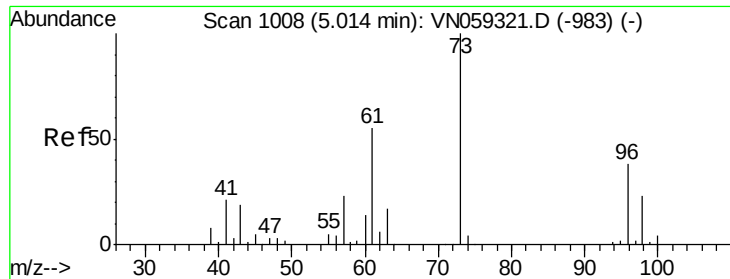
apatel
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#20
Methylene Chloride
Concen: 46.943 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.5	99.5	149.3
51	38.5	31.1	46.7
86	63.5	49.9	74.9





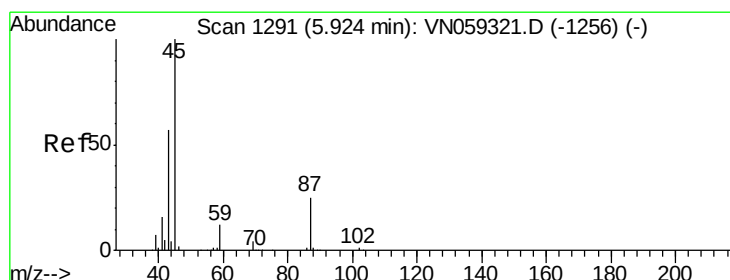
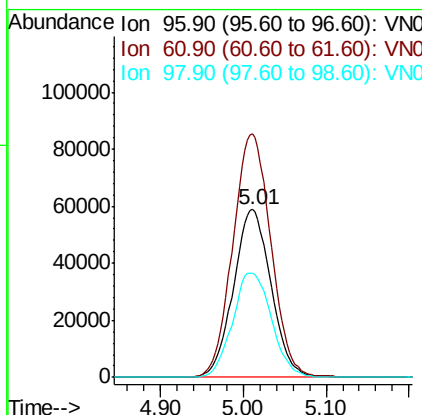
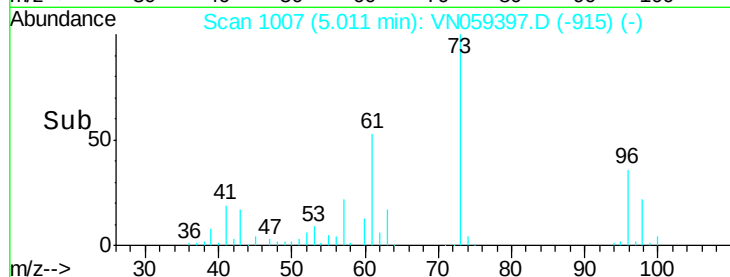
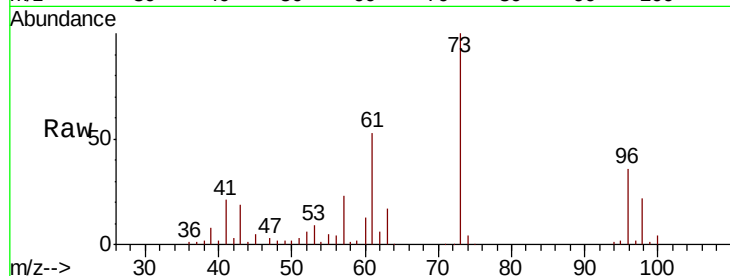
#21
trans-1,2-Dichloroethene
Concen: 45.689 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	116.4	174.6
98	62.1	49.6	74.4

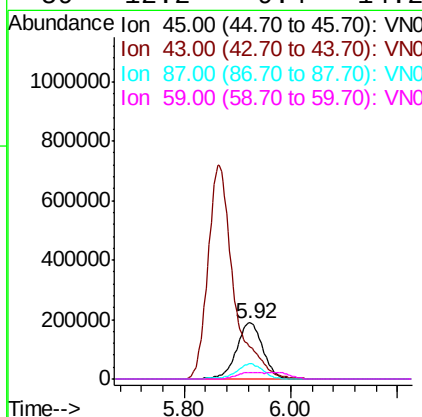
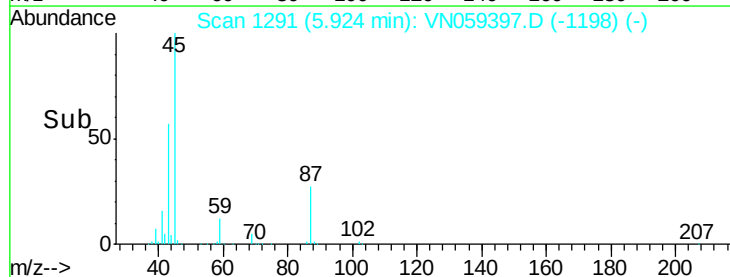
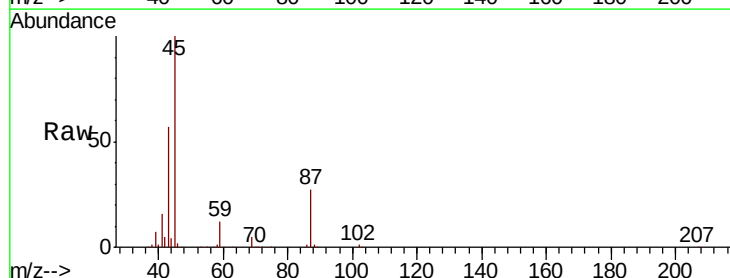
Manual Integrations
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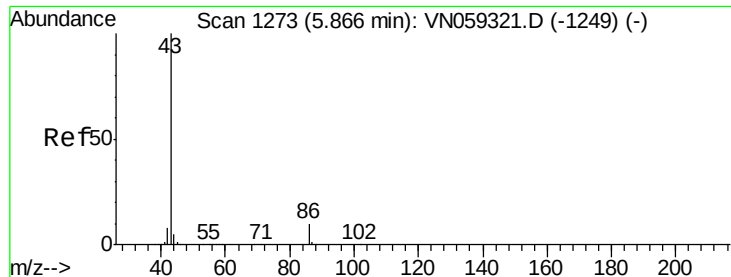
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#22
Diisopropyl ether
Concen: 47.682 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.2	47.6	71.4
87	26.9	20.7	31.1
59	12.2	9.4	14.2





#23

Vinyl Acetate

Concen: 226.999 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2410754

Ion Ratio Lower Upper

43 100

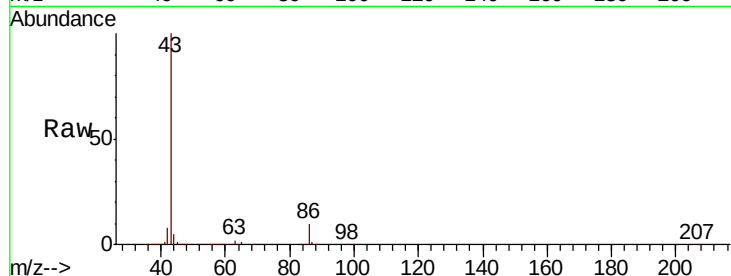
86 10.1 8.0 12.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

800000

600000

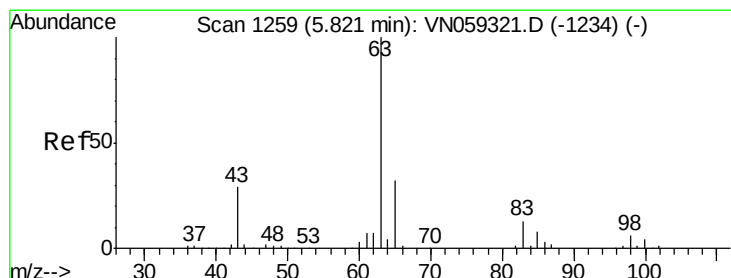
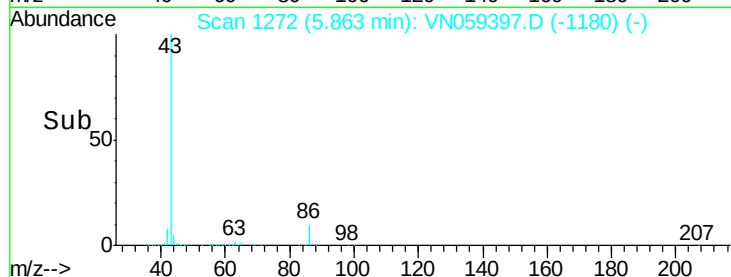
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 47.105 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

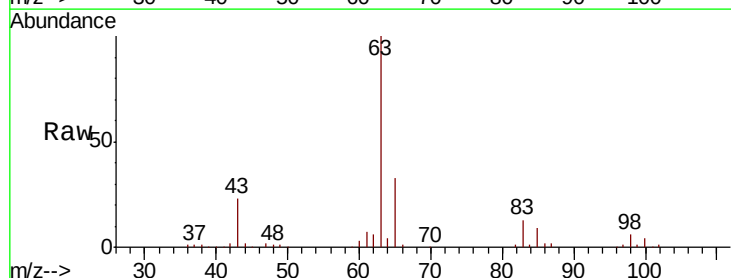
Tgt Ion: 63 Resp: 358076

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 4.0 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

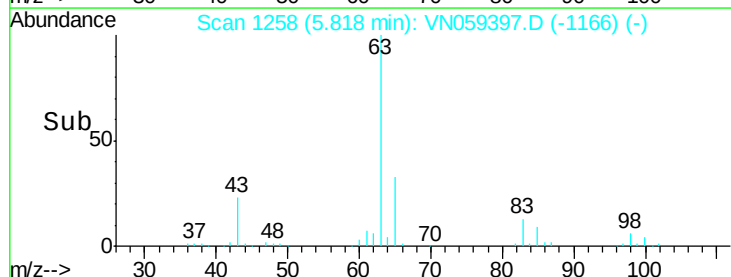
100000

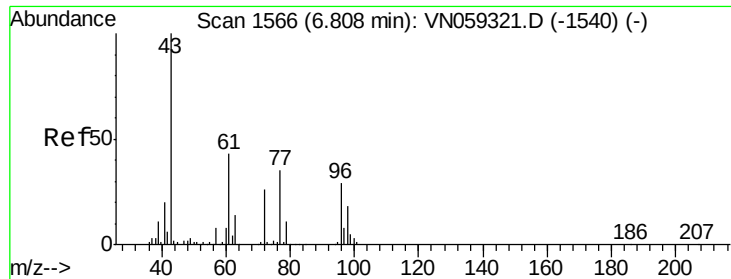
50000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 253.296 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 753841

Ion Ratio Lower Upper

43 100

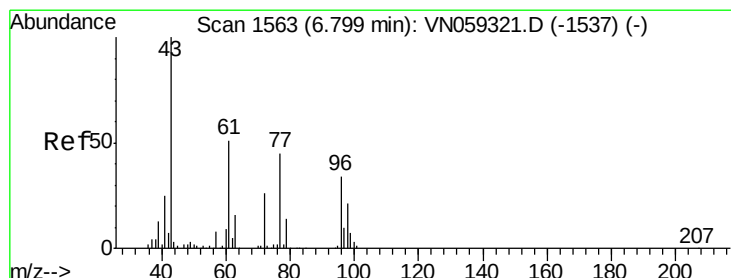
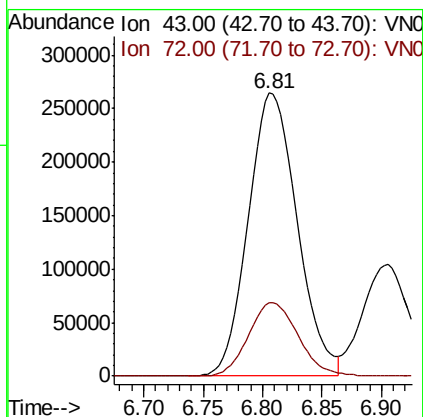
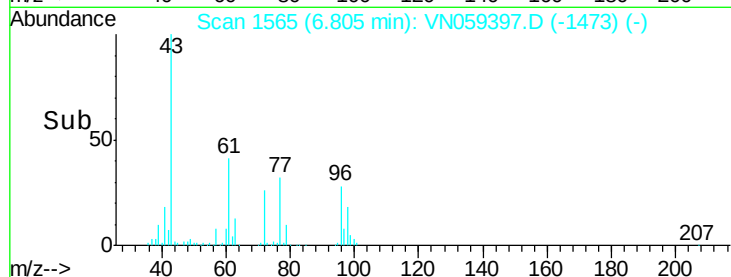
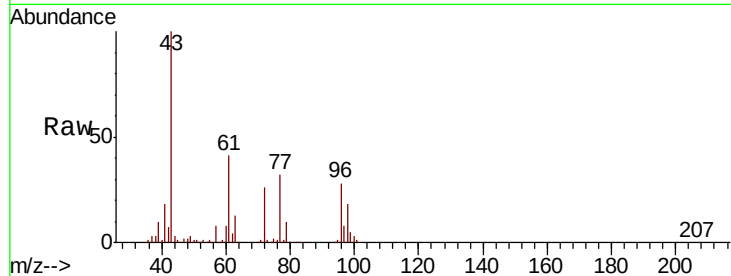
72 25.8 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.404 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059397.D

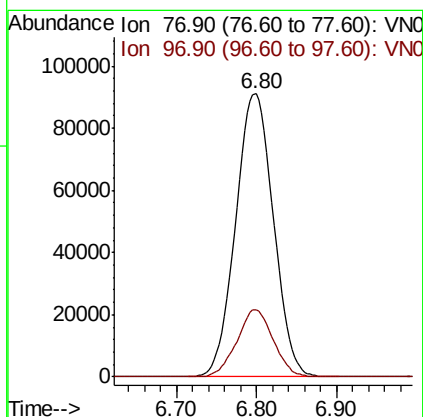
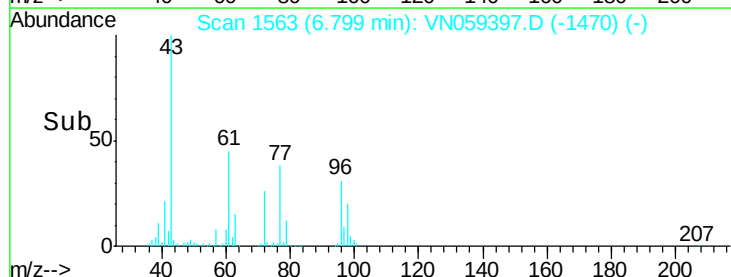
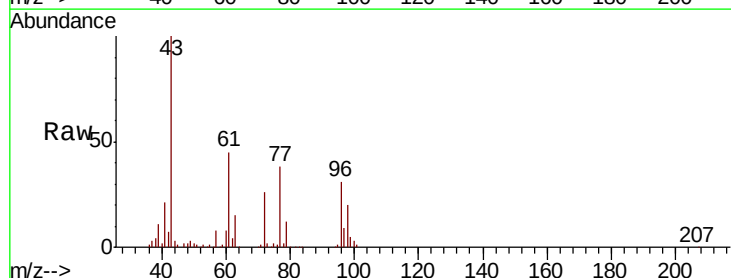
Acq: 25 Nov 2019 20:35

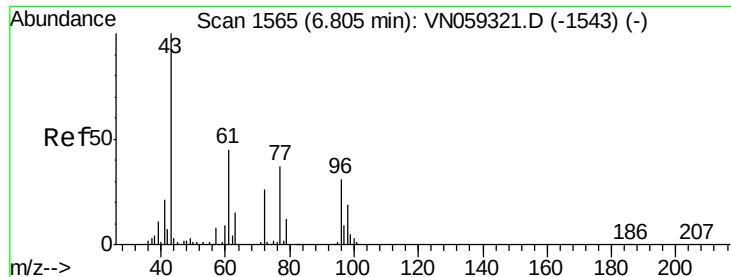
Tgt Ion: 77 Resp: 292277

Ion Ratio Lower Upper

77 100

97 22.8 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 47.023 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

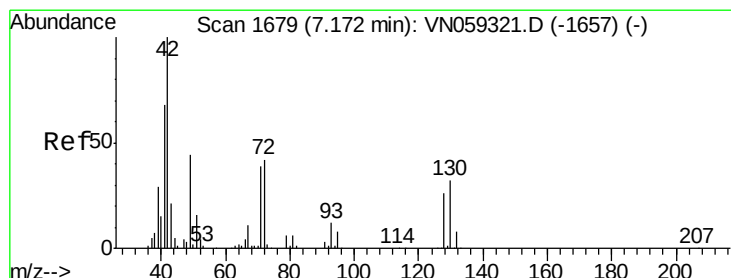
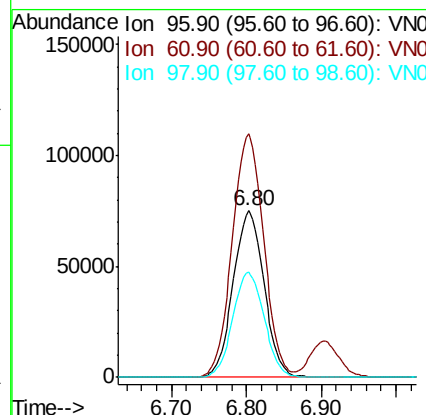
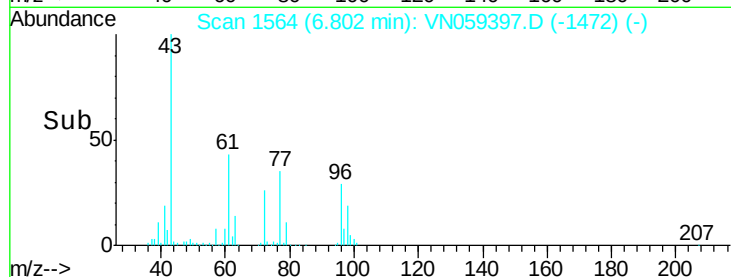
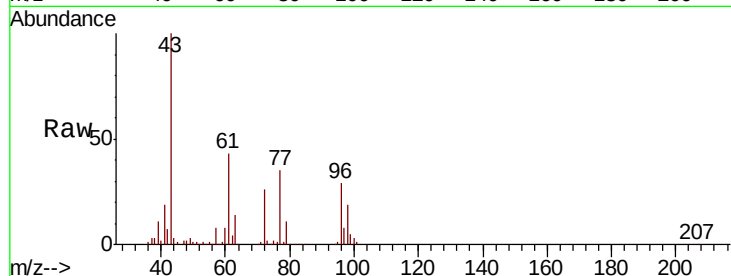
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	215894
Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	304.0
98	64.1	0.0	128.4

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#28

Bromochloromethane

Concen: 47.018 ug/l

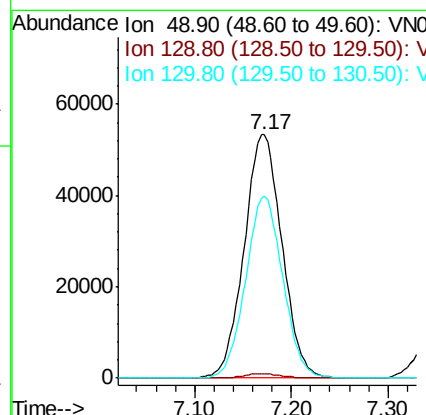
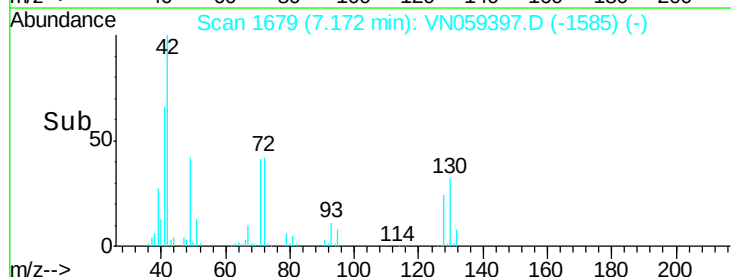
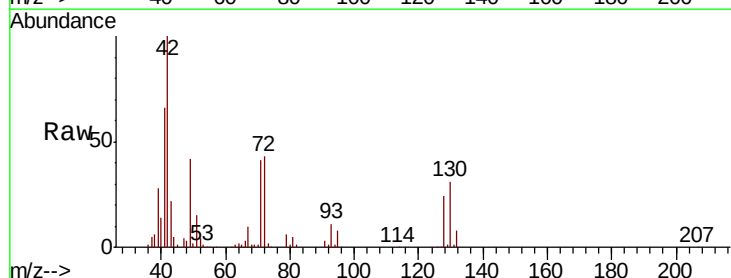
RT: 7.17 min Scan# 1679

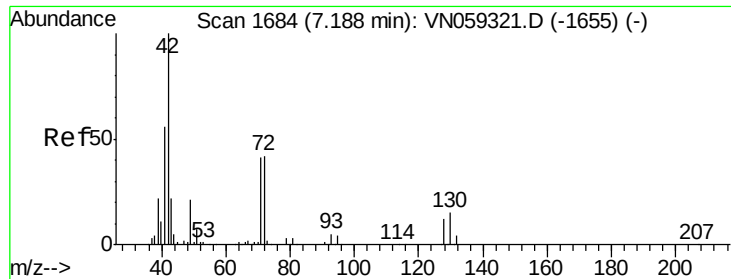
Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion:	49	Resp:	145133
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	73.4	57.0	85.6





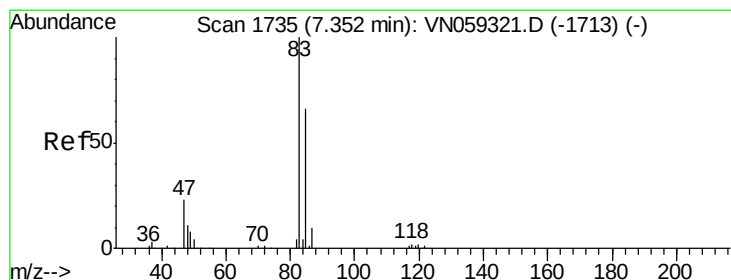
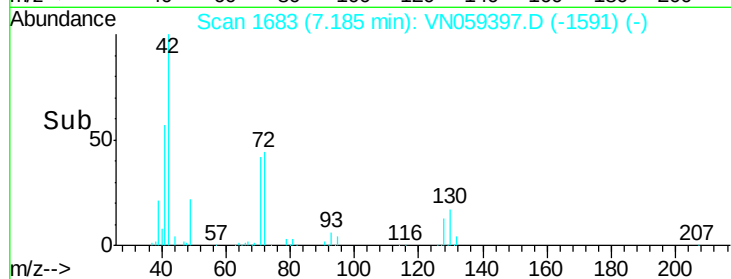
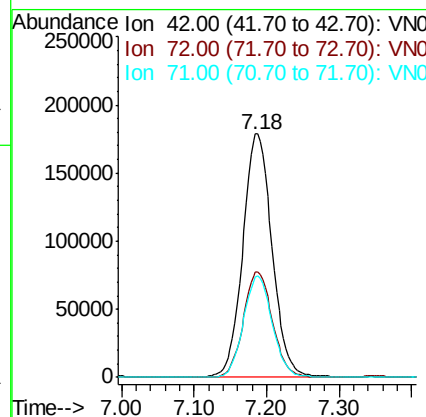
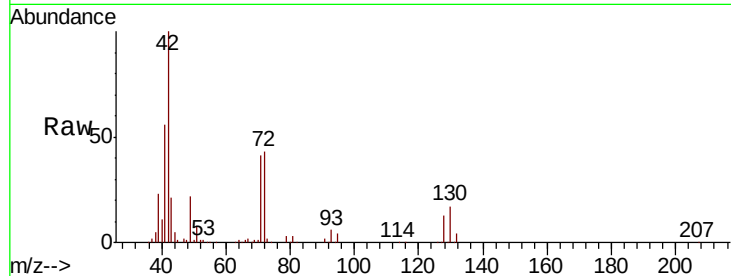
#29
Tetrahydrofuran
Concen: 243.038 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.2	51.2
71	41.0	32.6	48.8

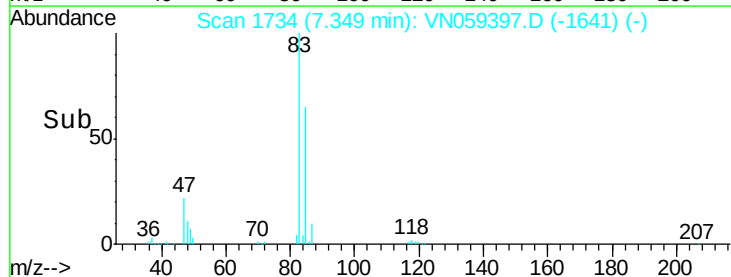
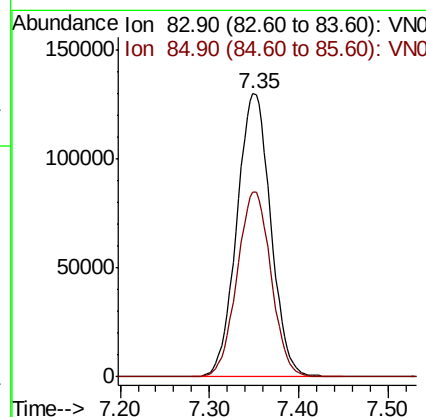
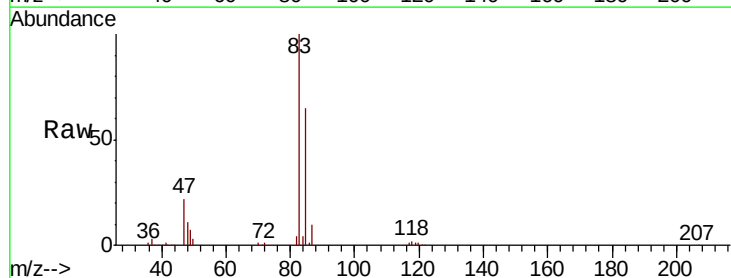
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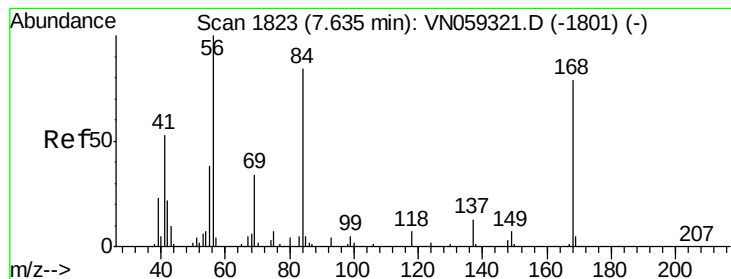
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#30
Chloroform
Concen: 46.448 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.7	79.1





#31

Cyclohexane

Concen: 44.116 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

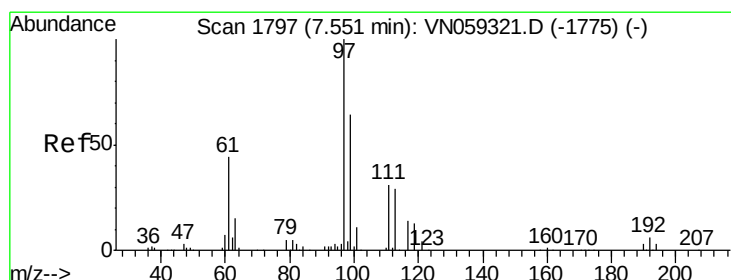
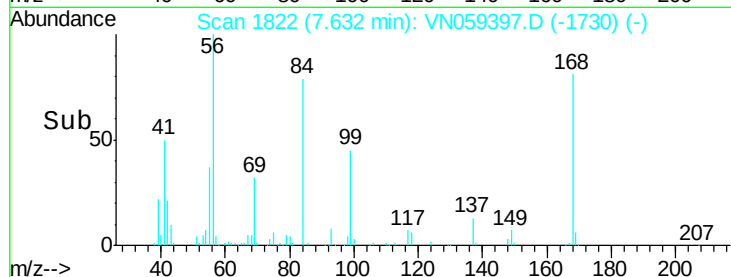
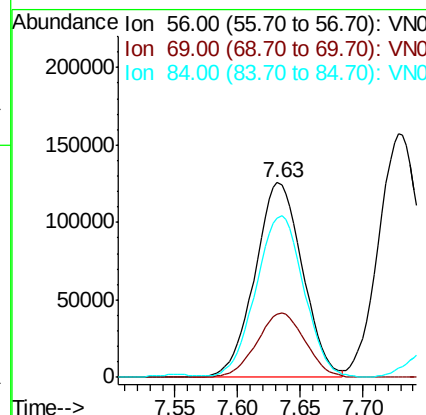
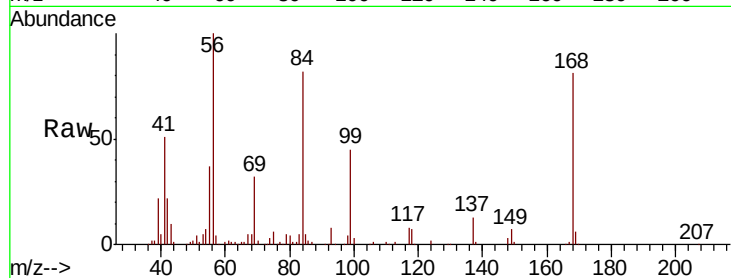
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	331575
Ion Ratio	Lower	Upper	
56	100		
69	32.5	26.6	40.0
84	81.0	67.0	100.4

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#32

1,1,1-Trichloroethane

Concen: 47.302 ug/l

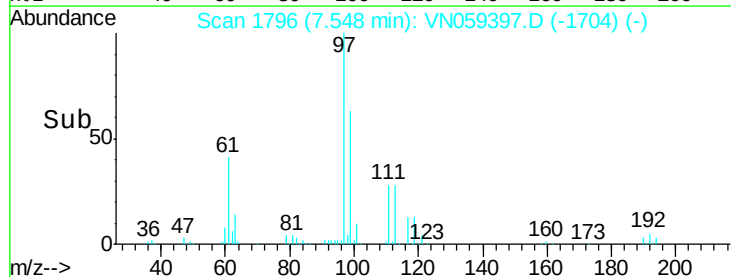
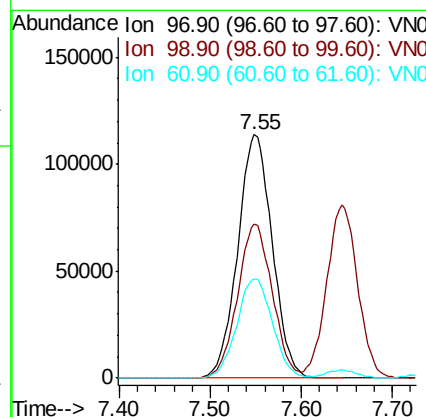
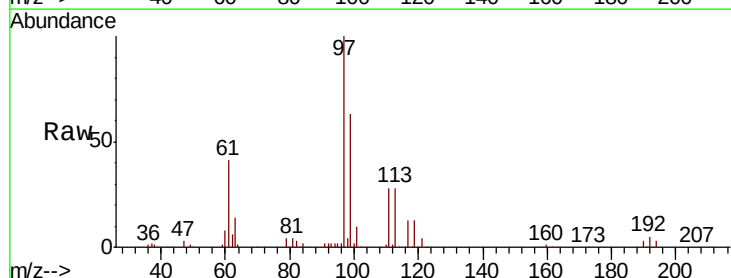
RT: 7.55 min Scan# 1796

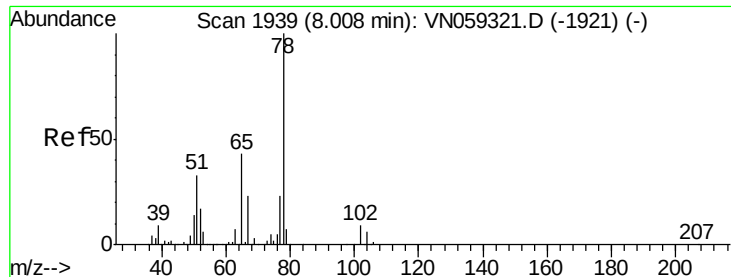
Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion:	97	Resp:	299804
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.3	76.9
61	42.1	35.3	52.9





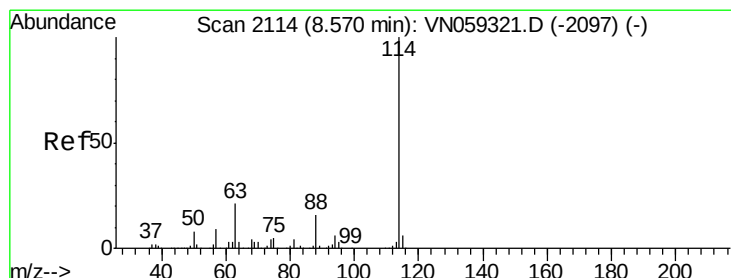
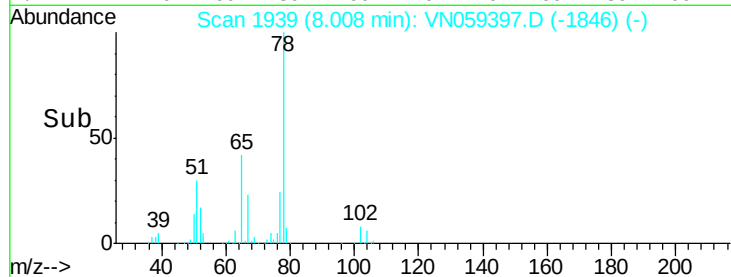
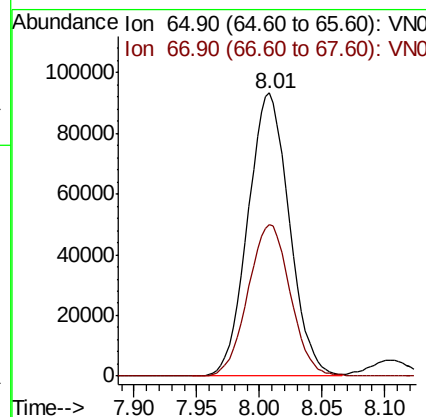
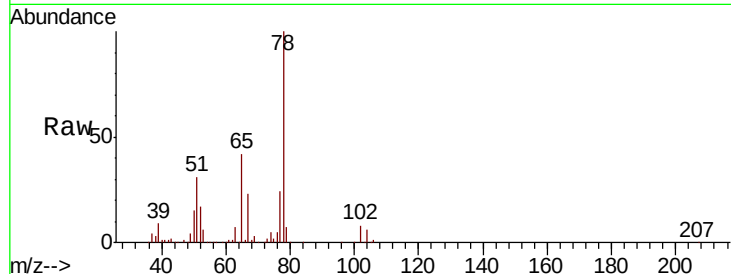
#33
 1,2-Dichloroethane-d4
 Concen: 50.209 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	214316		
67	54.7	0.0	109.4	

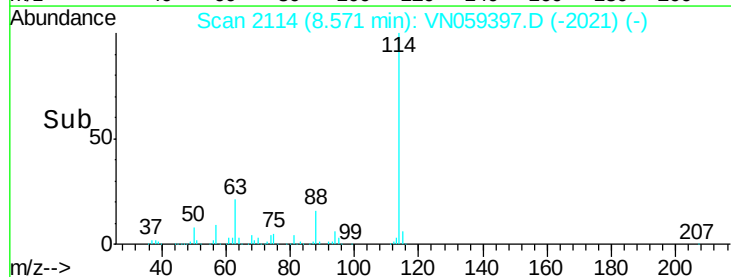
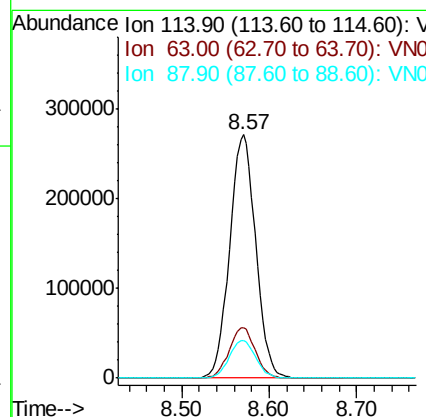
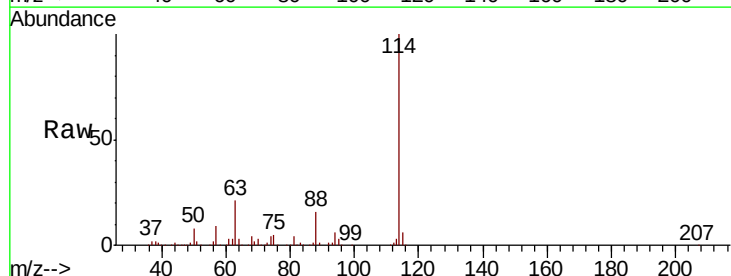
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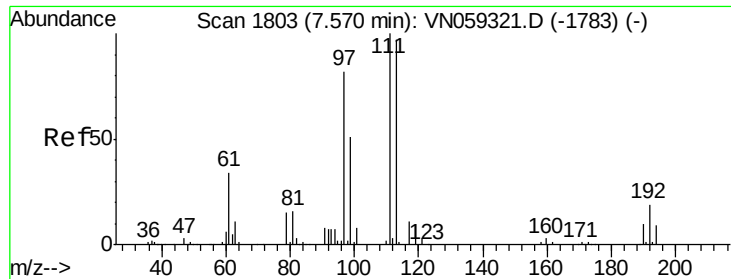
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	559639		
63	20.9	0.0	42.2	
88	15.5	0.0	32.2	





#35

Dibromofluoromethane

Concen: 52.111 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 174963

Ion Ratio Lower Upper

113 100

111 102.0 82.7 124.1

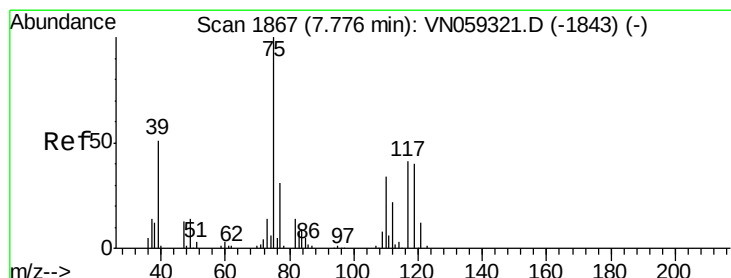
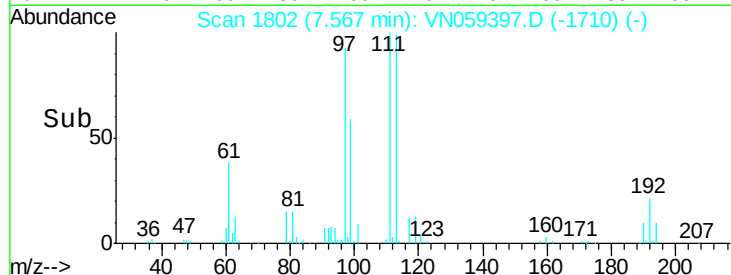
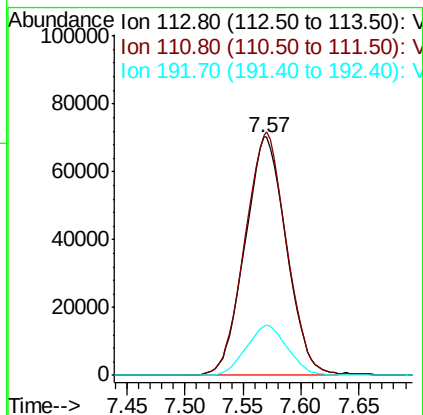
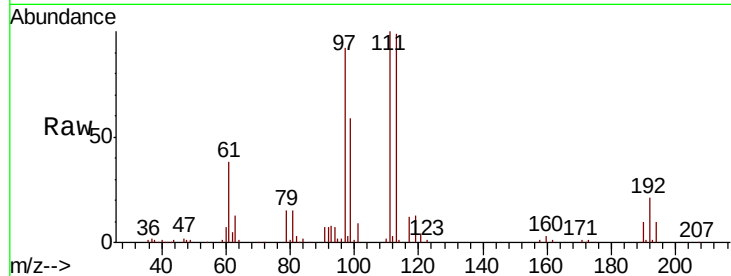
192 20.8 16.3 24.5

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#36

1,1-Dichloropropene

Concen: 46.405 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

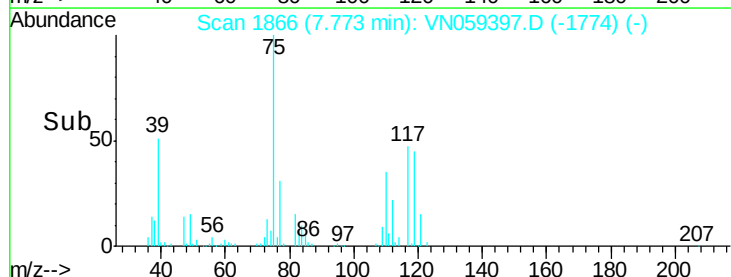
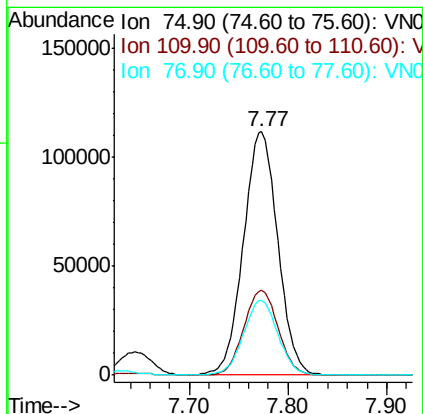
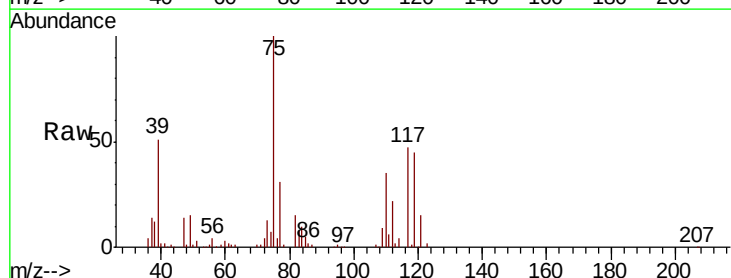
Tgt Ion: 75 Resp: 268100

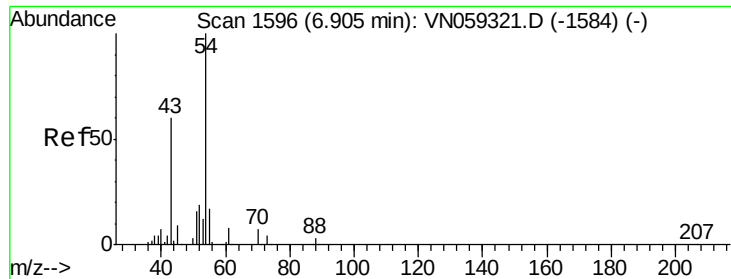
Ion Ratio Lower Upper

75 100

110 34.9 17.0 51.0

77 31.2 24.8 37.2





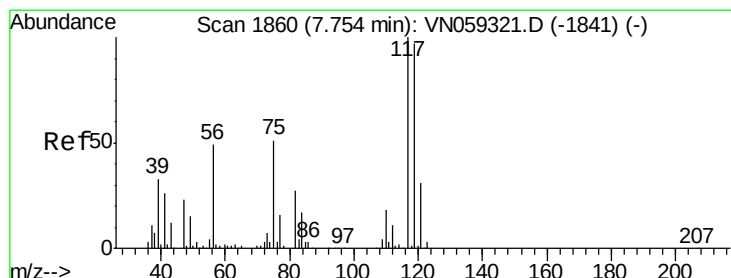
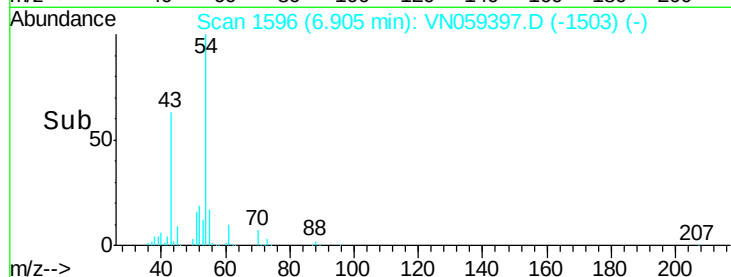
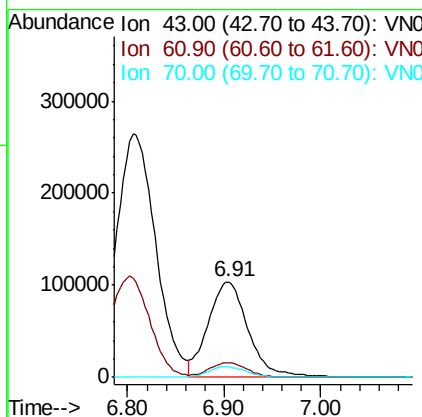
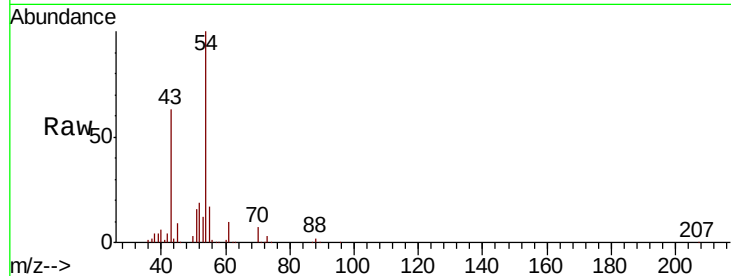
#37
Ethyl Acetate
Concen: 47.281 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.0	16.6
70	10.8	8.8	13.2

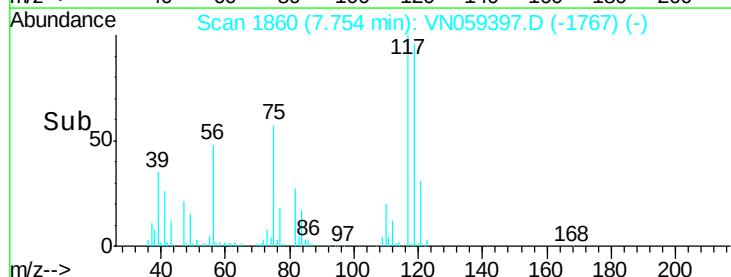
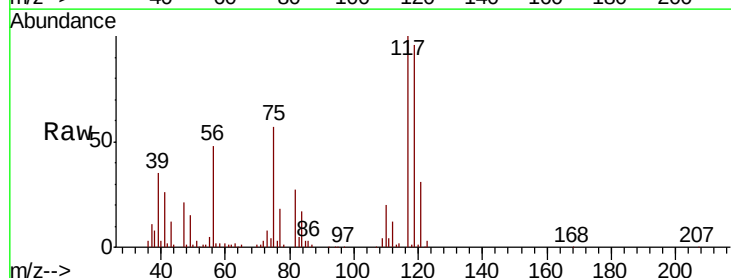
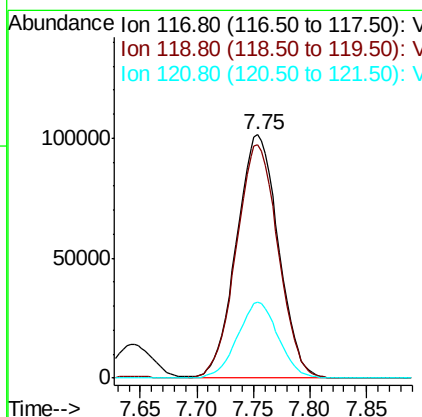
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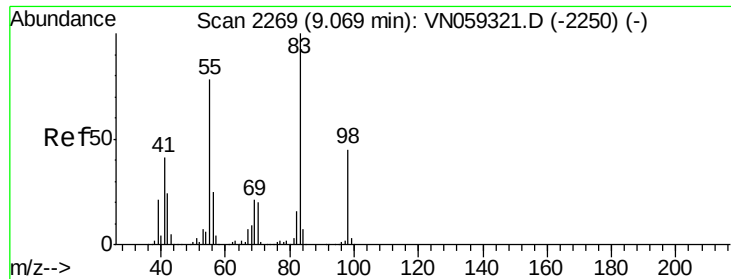
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#38
Carbon Tetrachloride
Concen: 47.330 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.0	115.4
121	31.3	24.4	36.6





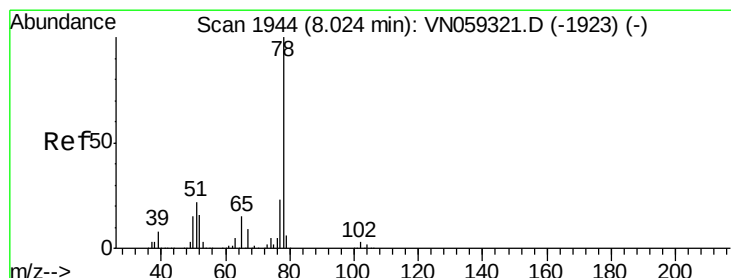
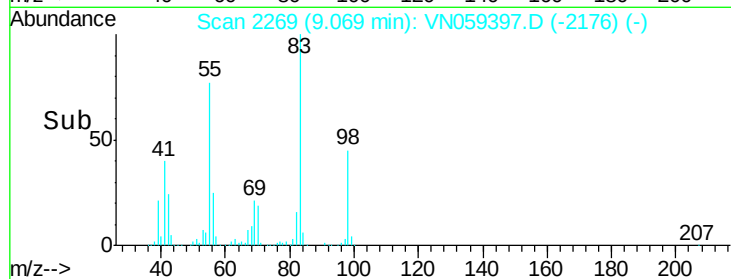
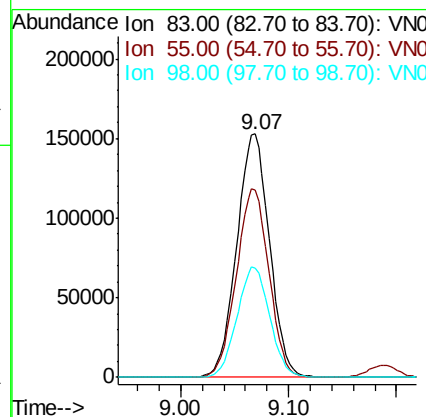
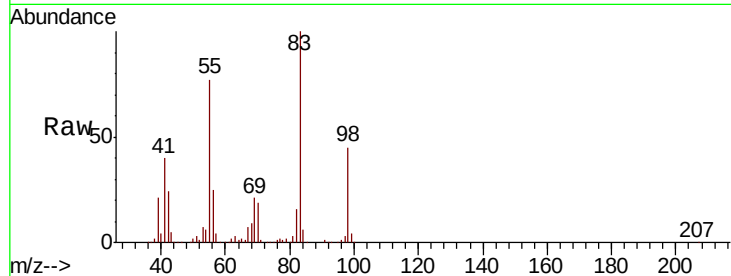
#39
Methylvlcyclohexane
Concen: 46.408 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	62.3	93.5
98	44.9	36.0	54.0

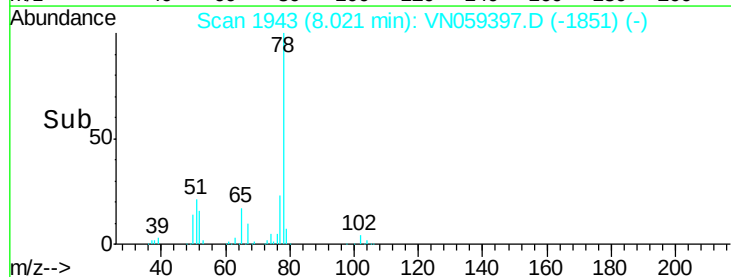
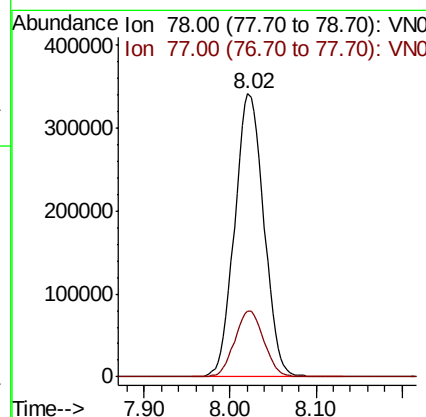
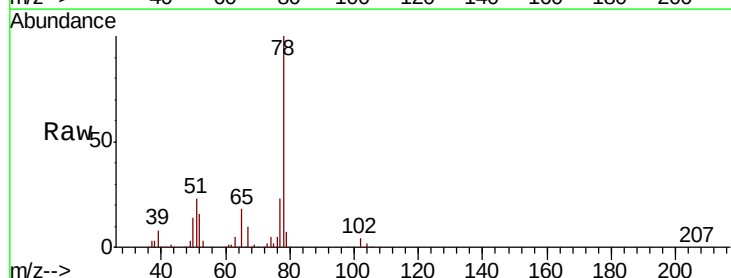
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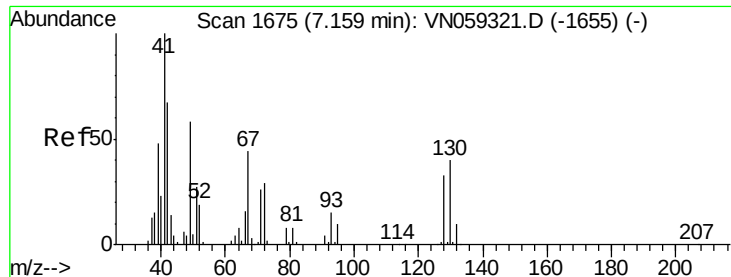
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#40
Benzene
Concen: 47.516 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.4	27.6





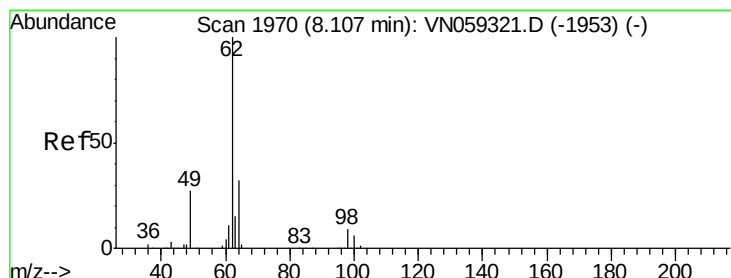
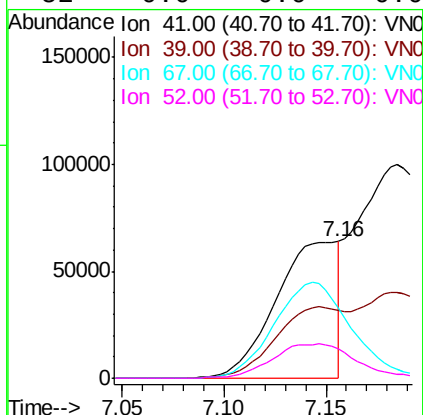
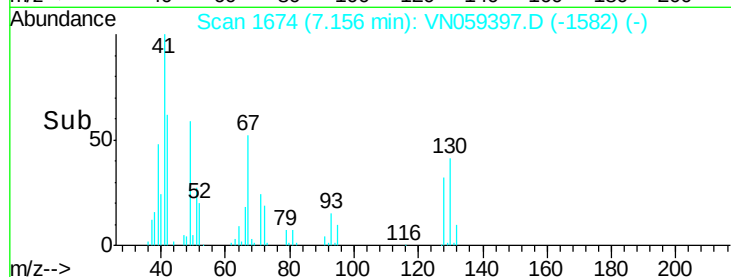
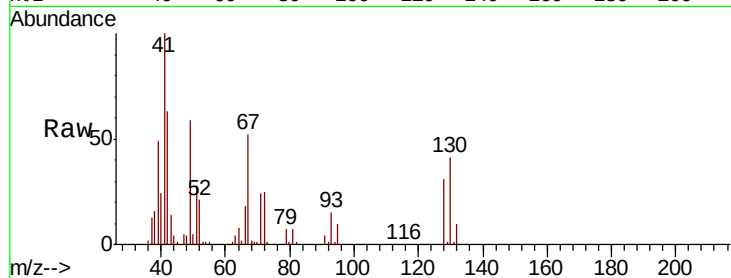
#41
Methacrylonitrile
Concen: 49.358 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

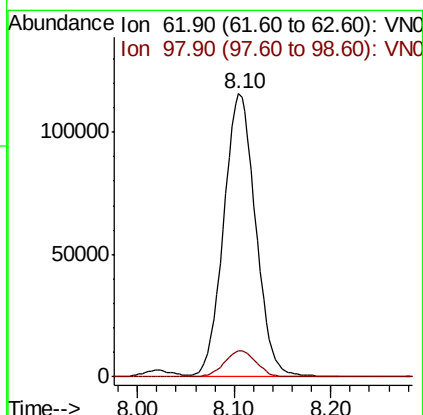
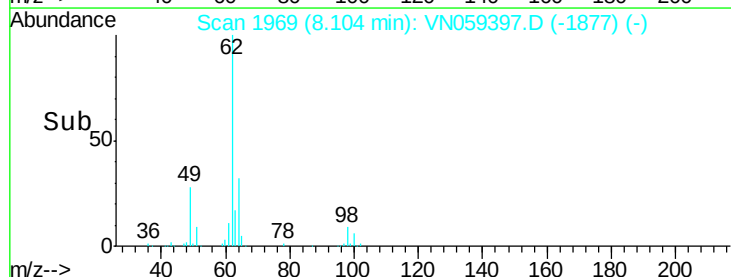
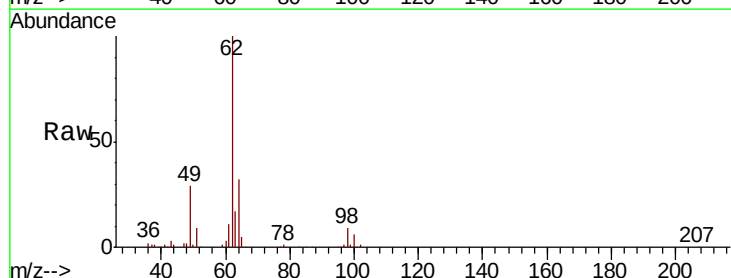
Manual Integrations
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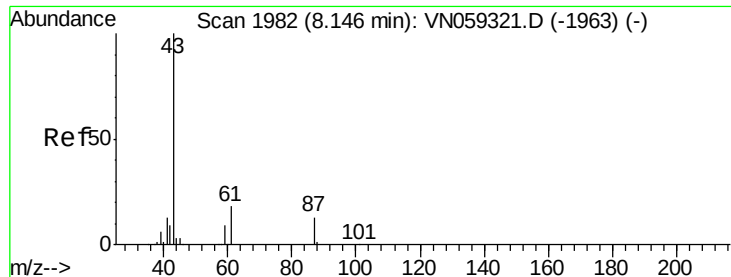
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#42
1,2-Dichloroethane
Concen: 47.217 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6





#43

Isopropyl Acetate

Concen: 48.899 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

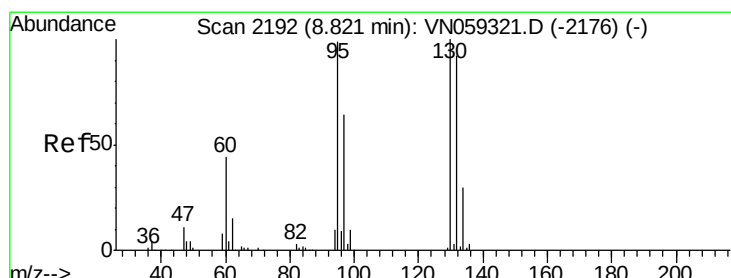
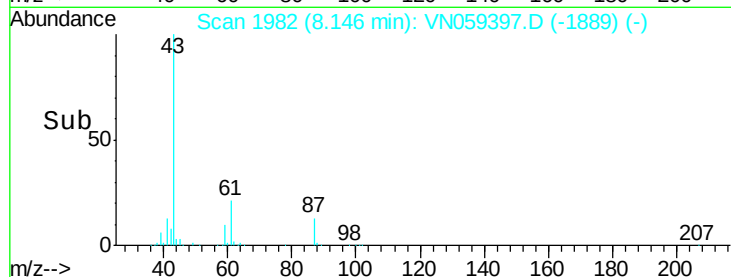
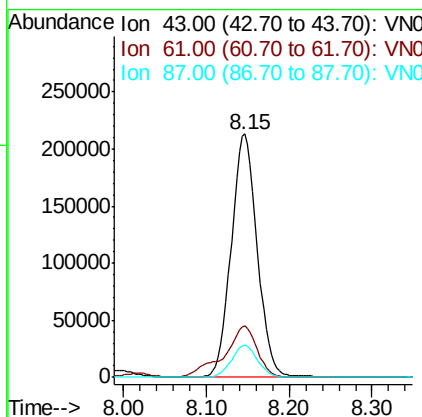
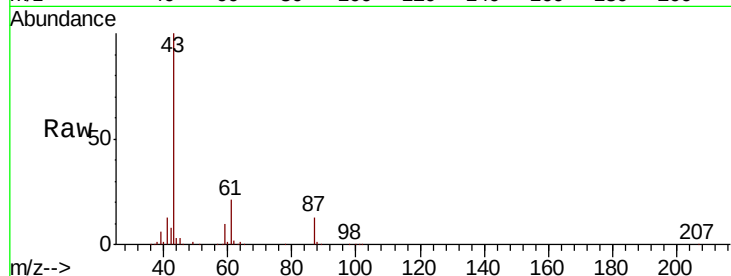
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	464018
Ion	Ratio	Lower	Upper
43	100		
61	26.9	21.7	32.5
87	13.2	10.2	15.4

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#44

Trichloroethene

Concen: 47.021 ug/l

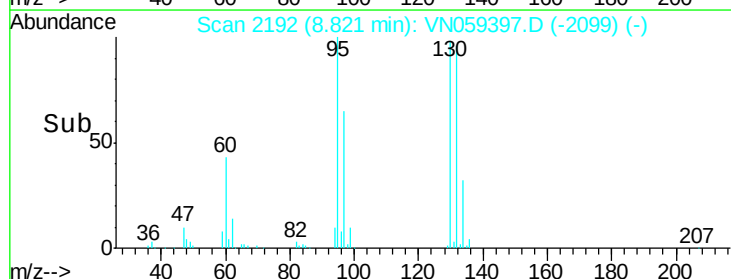
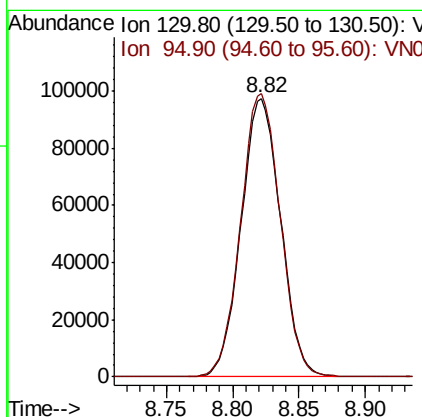
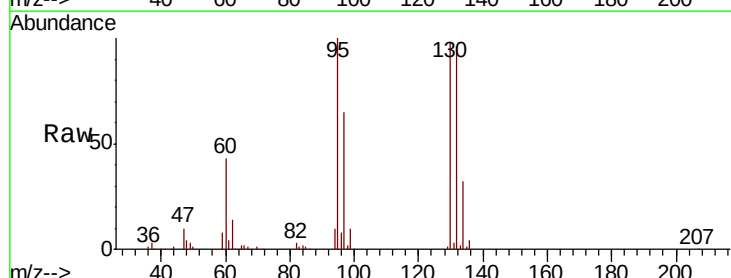
RT: 8.82 min Scan# 2192

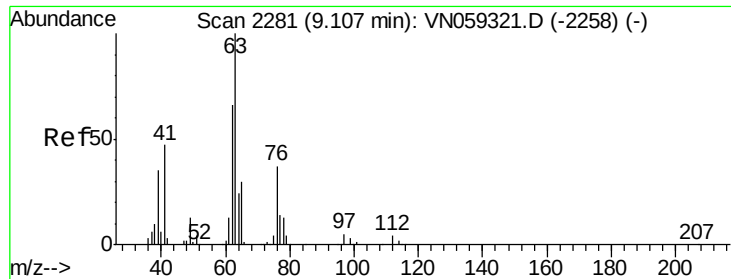
Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion:	130	Resp:	202072
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	198.4





#45

1,2-Dichloropropane

Concen: 47.953 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 216828

Ion Ratio Lower Upper

63 100

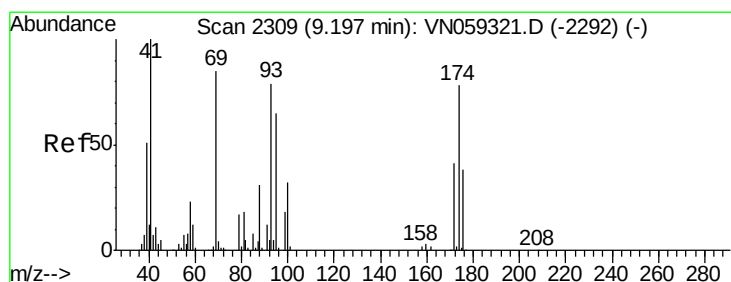
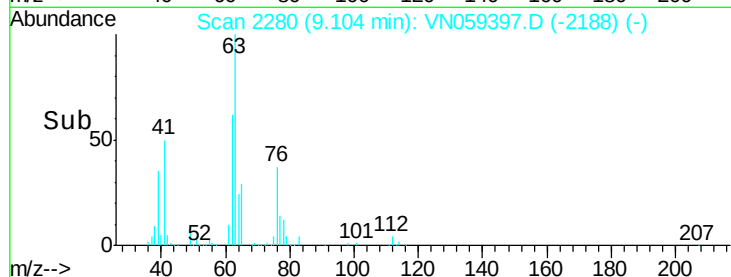
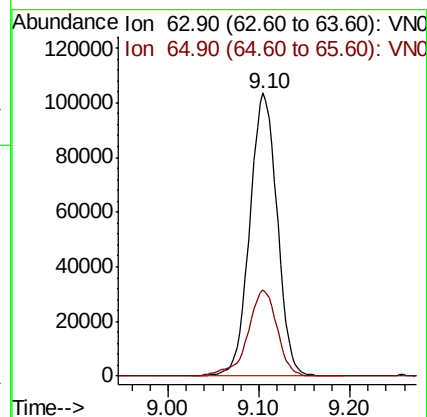
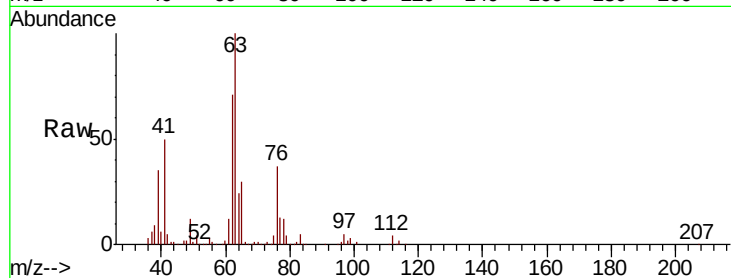
65 30.4 23.9 35.9

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#46

Dibromomethane

Concen: 48.698 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

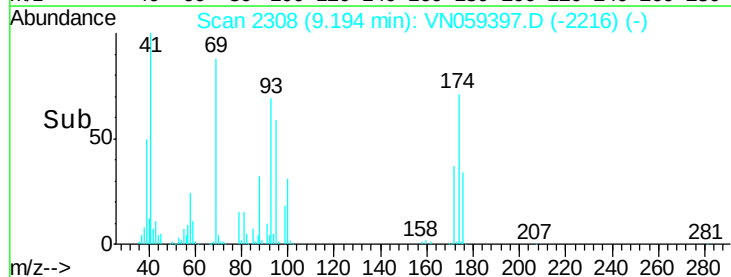
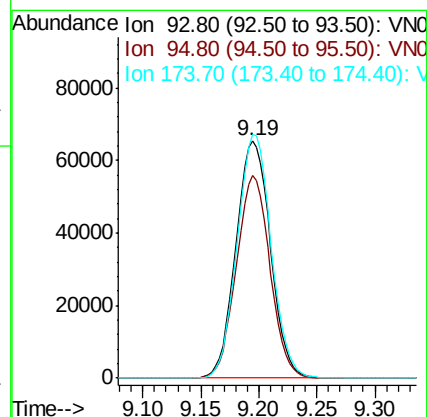
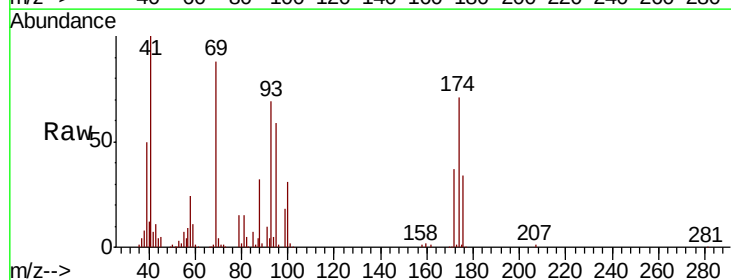
Tgt Ion: 93 Resp: 135064

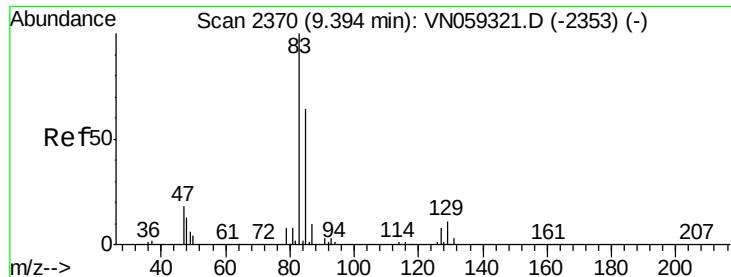
Ion Ratio Lower Upper

93 100

95 83.0 66.9 100.3

174 101.3 80.6 120.8





#47

Bromodichloromethane

Concen: 48.531 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

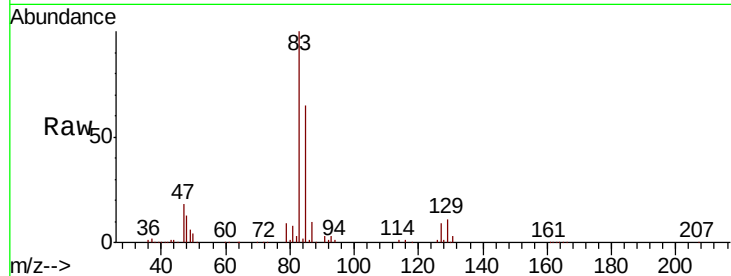
ClientSampleId :

VSTDCCC050EC

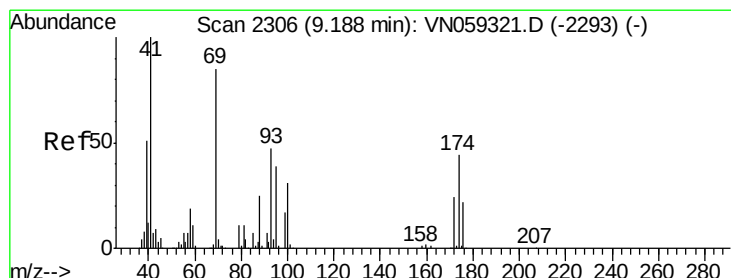
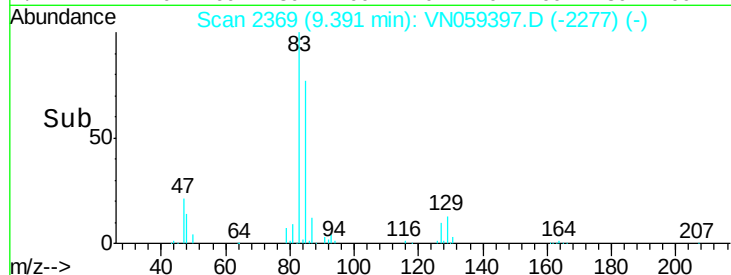
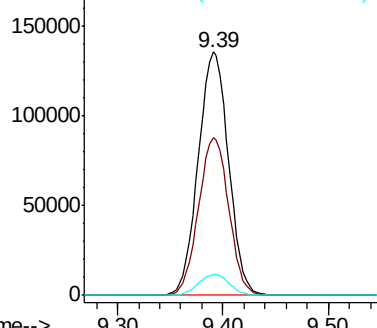
Tot Ion:	83	Resp:	269566
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.5	77.3
127	8.5	6.6	10.0

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN059321.D (-2353) (-)



#48

Methyl methacrylate

Concen: 48.476 ug/l

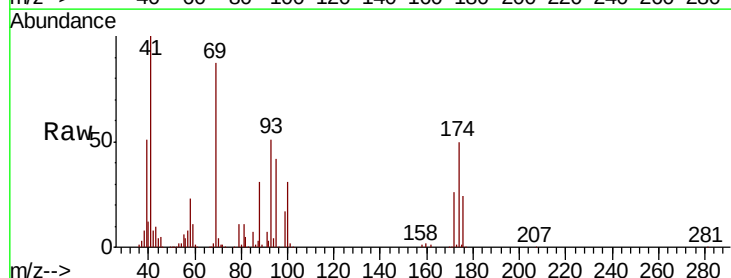
RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

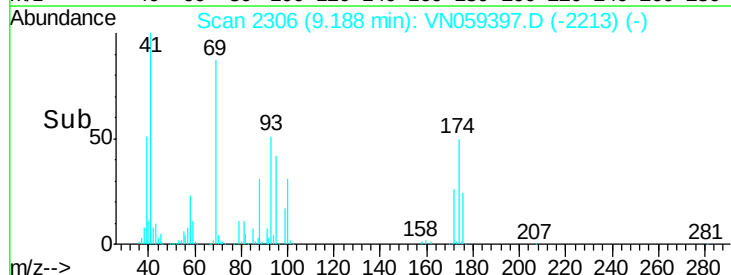
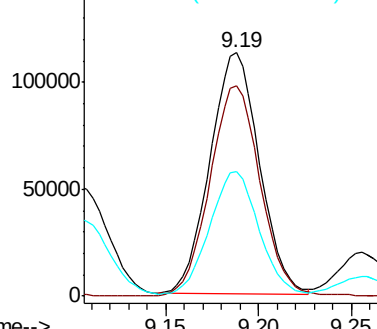
Lab File: VN059397.D

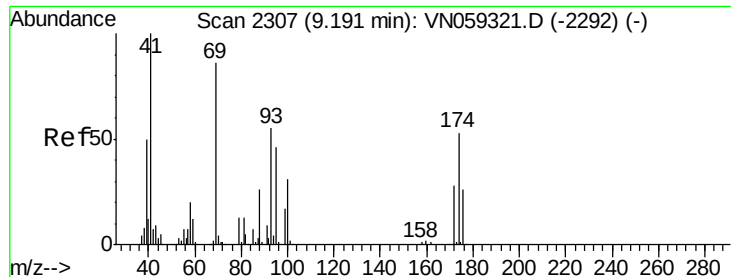
Acq: 25 Nov 2019 20:35

Tgt Ion:	41	Resp:	209185
Ion Ratio	Lower	Upper	
41	100		
69	89.3	68.8	103.2
39	52.0	42.1	63.1



Abundance Ion 41.00 (40.70 to 41.70): VN059321.D (-2293) (-)





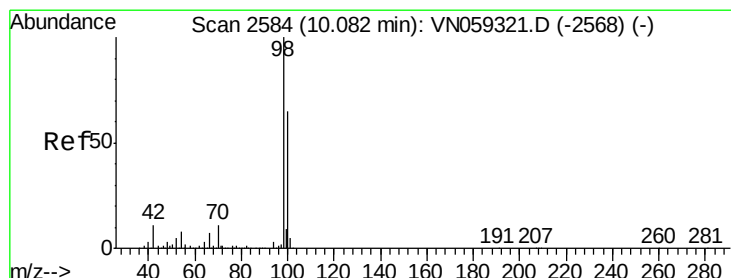
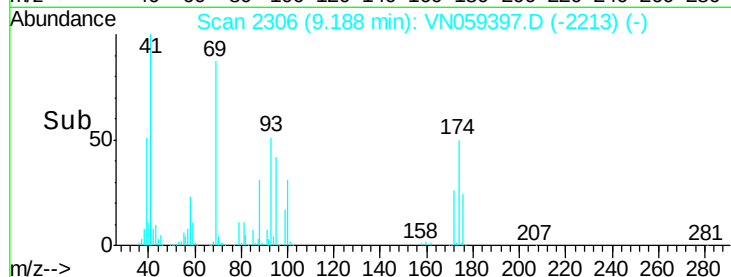
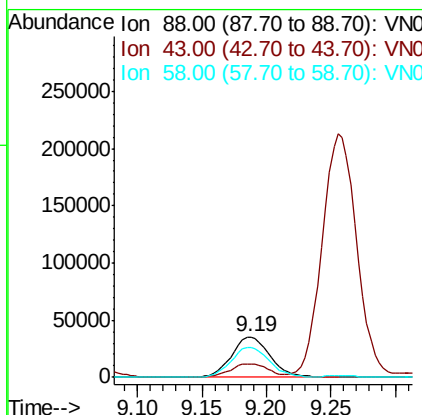
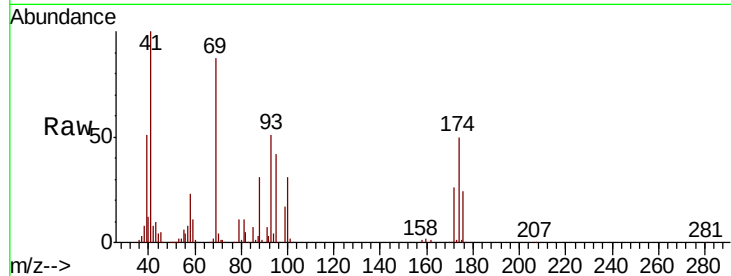
#49
1,4-Dioxane
Concen: 1140.472 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	73965
Ion	Ratio	Lower	Upper
88	100		
43	31.1	26.9	40.3
58	72.8	59.2	88.8

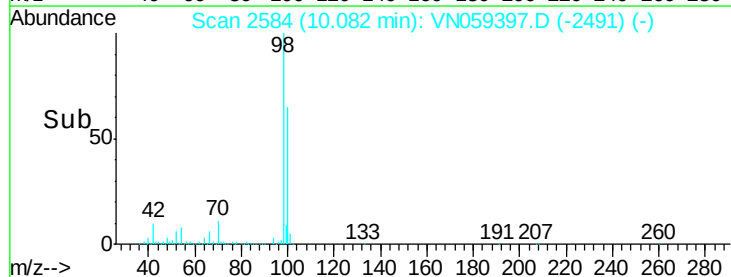
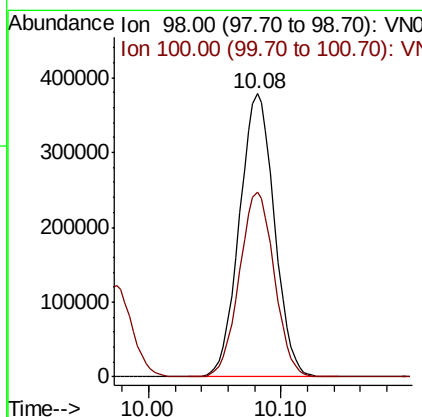
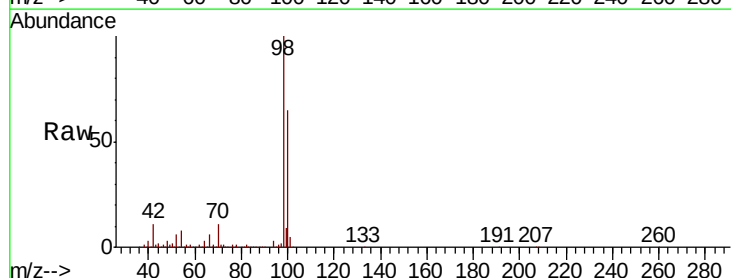
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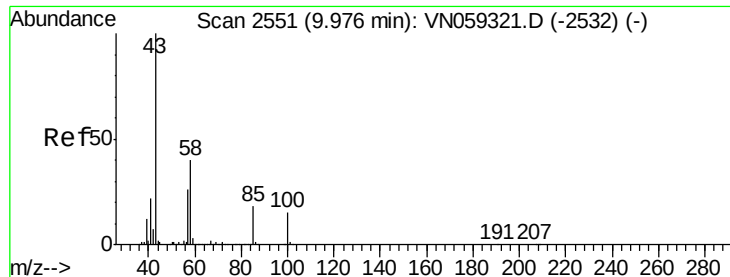
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#50
Toluene-d8
Concen: 51.795 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion	98	Resp	691344
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 261.171 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1450630

Ion Ratio Lower Upper

43 100

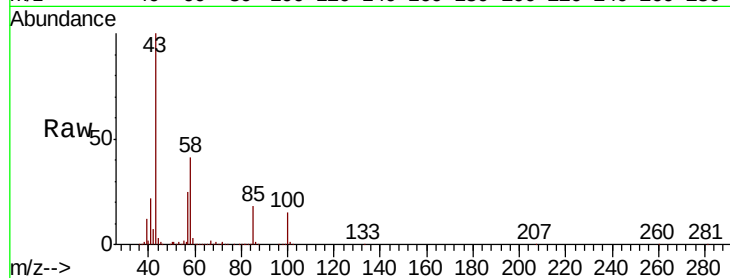
58 41.0 31.8 47.8

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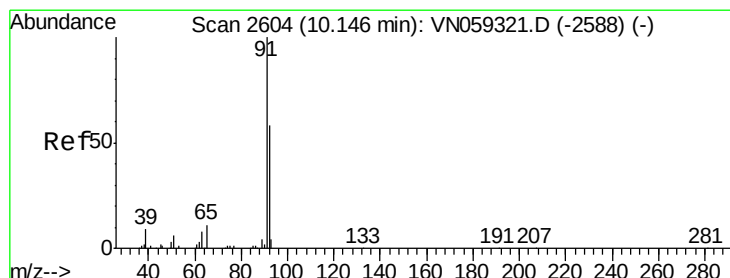
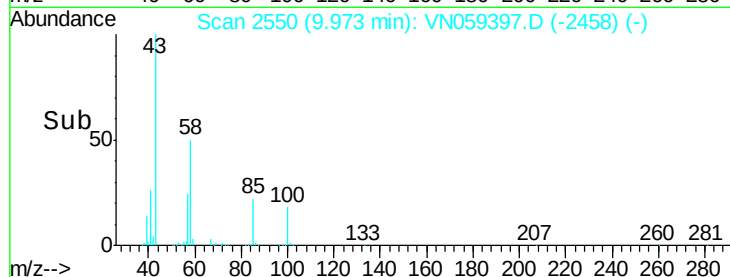
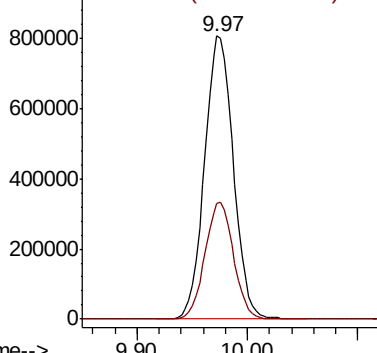
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.370 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059397.D

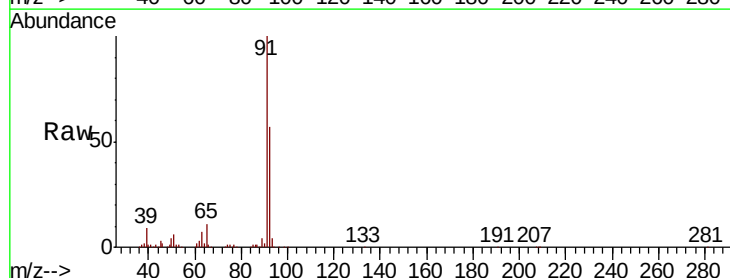
Acq: 25 Nov 2019 20:35

Tgt Ion: 92 Resp: 493173

Ion Ratio Lower Upper

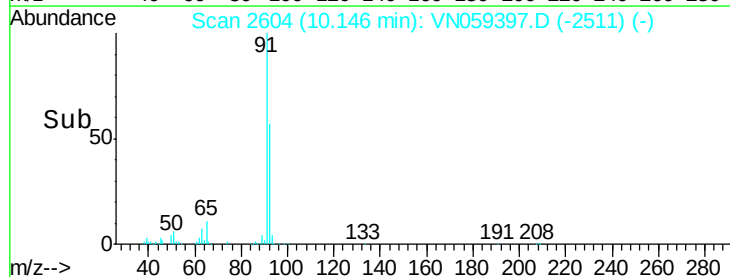
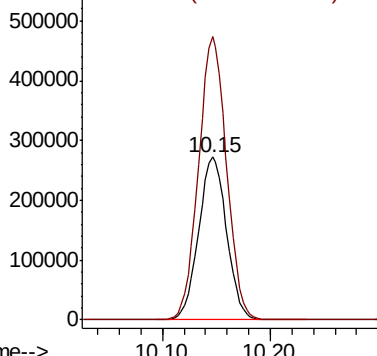
92 100

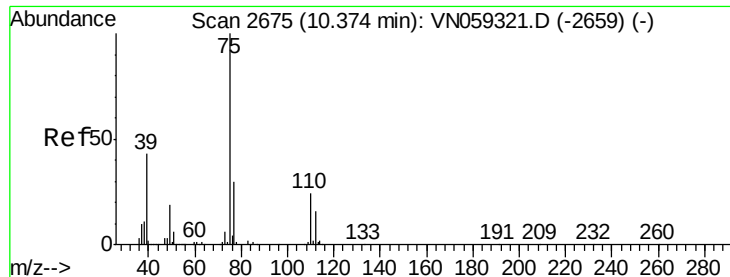
91 173.5 137.9 206.9



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: 48.889 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 315670

Ion Ratio Lower Upper

75 100

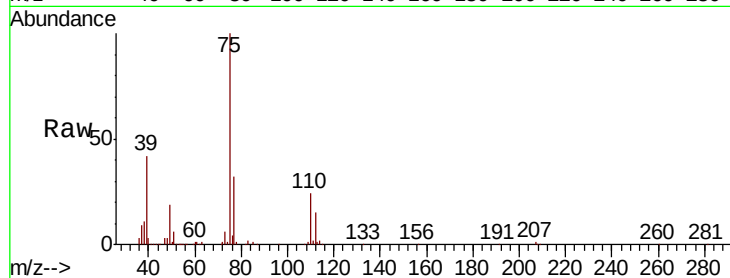
77 31.5 25.5 38.3

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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

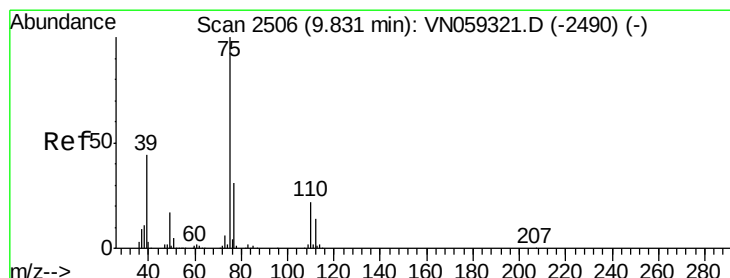
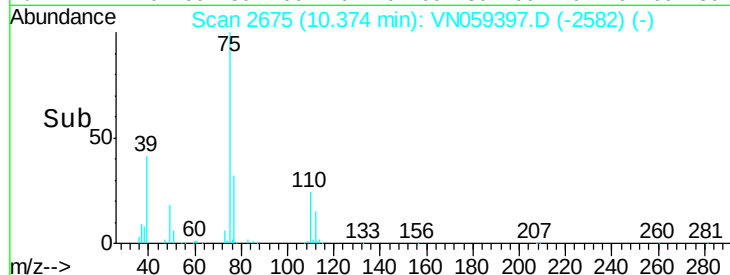
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.903 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

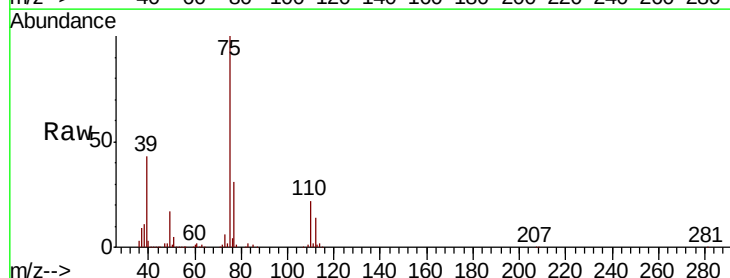
Tgt Ion: 75 Resp: 342638

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

39 43.3 35.5 53.3



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

250000

200000

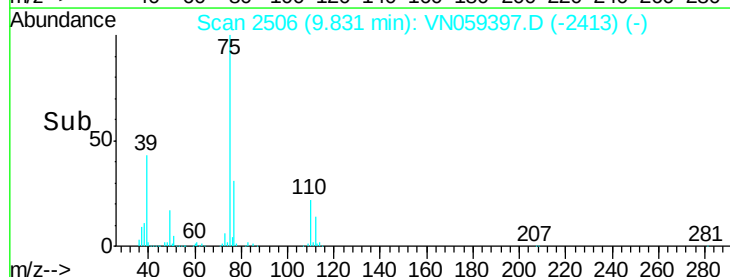
150000

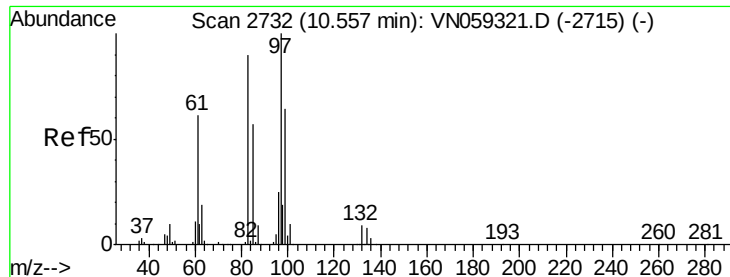
100000

50000

0

Time-->





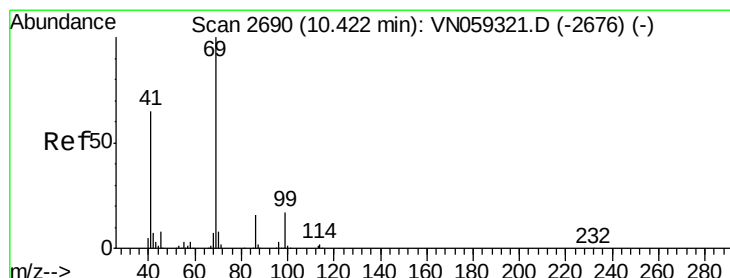
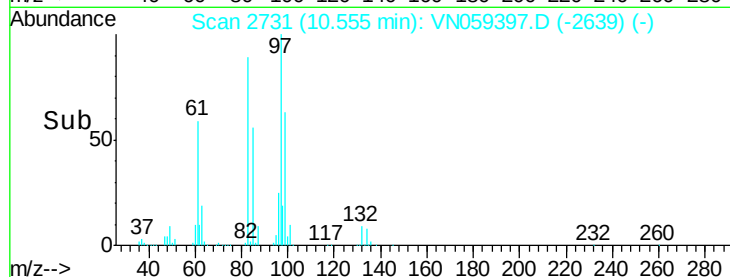
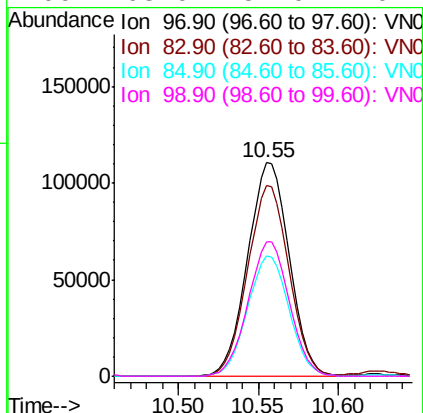
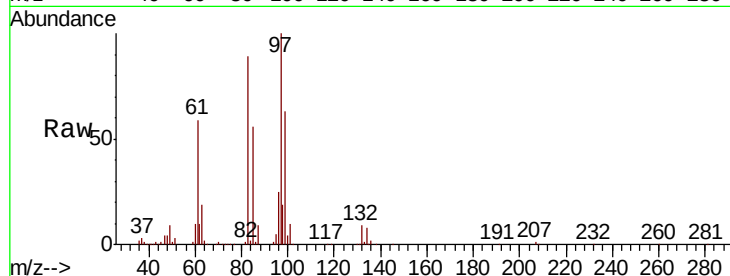
#55
 1,1,2-Trichloroethane
 Concen: 49.707 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	197049
Ion	Ratio	Lower	Upper
97	100		
83	89.4	72.0	108.0
85	56.2	45.8	68.6
99	63.0	51.0	76.4

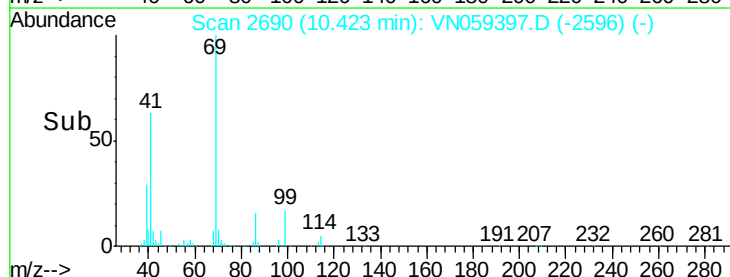
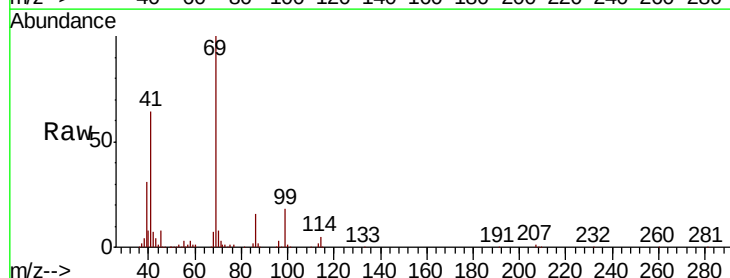
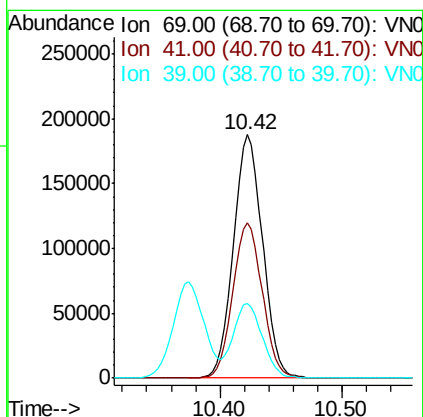
Manual Integrations
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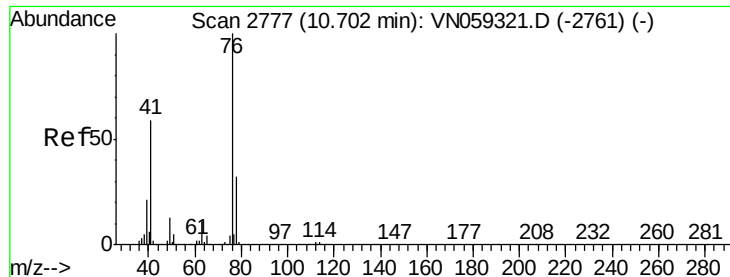
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#56
 Ethyl methacrylate
 Concen: 46.773 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion:	69	Resp:	312162
Ion	Ratio	Lower	Upper
69	100		
41	63.9	51.7	77.5
39	30.8	25.2	37.8





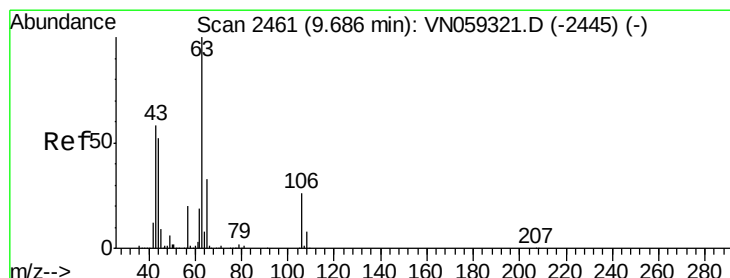
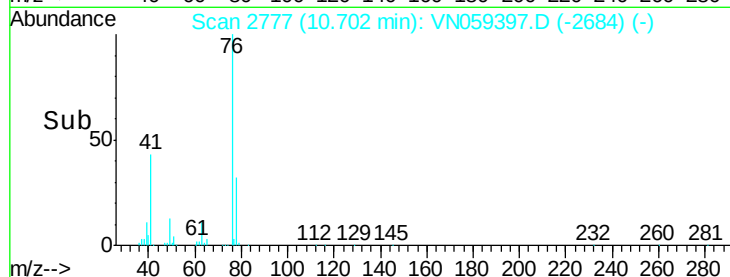
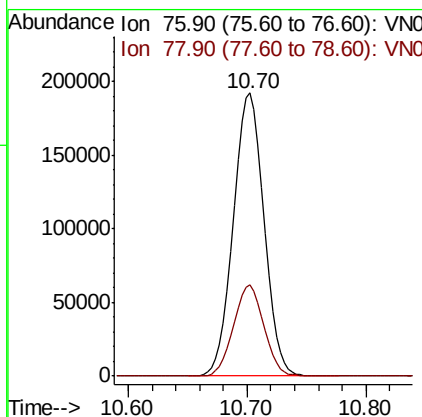
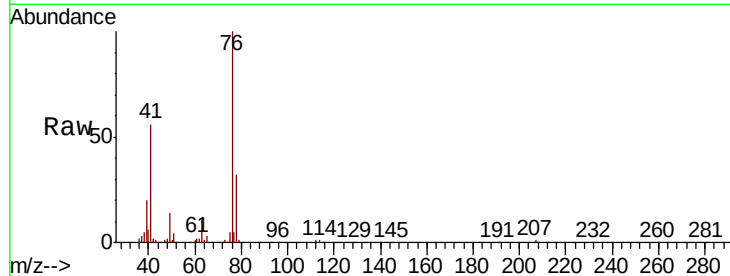
#57
 1,3-Dichloropropane
 Concen: 49.632 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.0	39.0

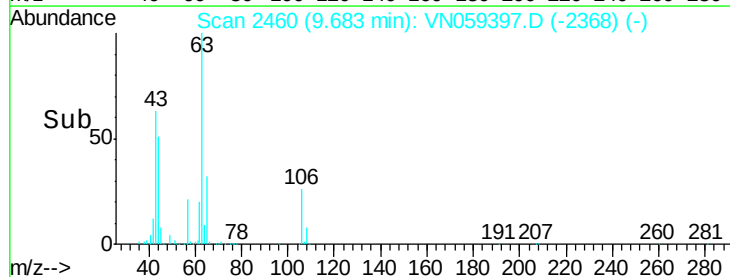
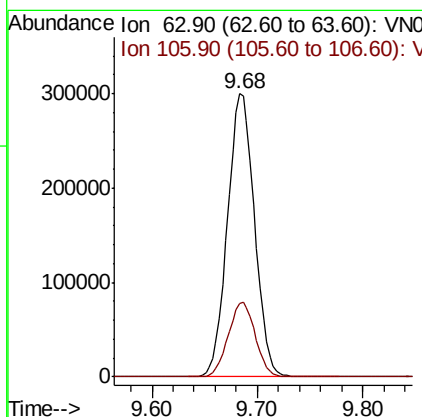
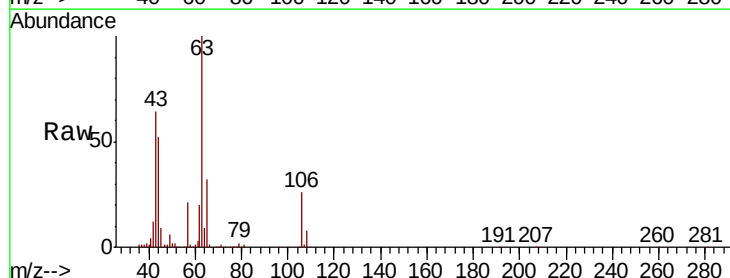
Manual Integrations
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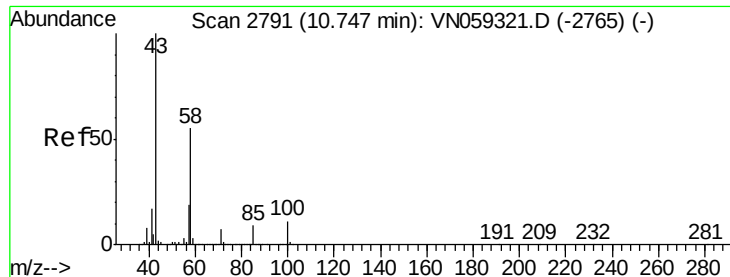
apatel
 11/26/2019 12:32:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 219.164 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	20.5	30.7





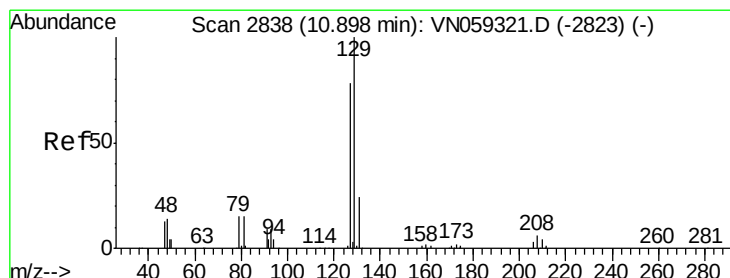
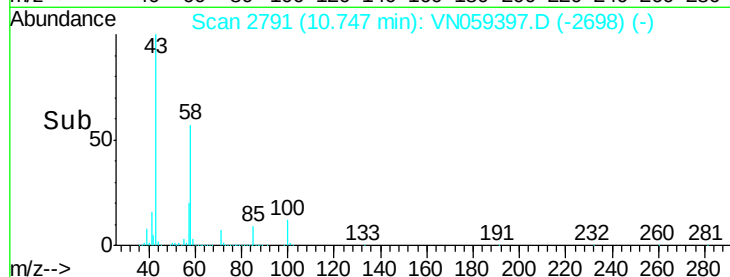
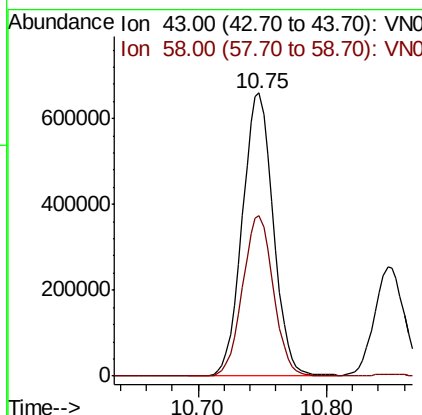
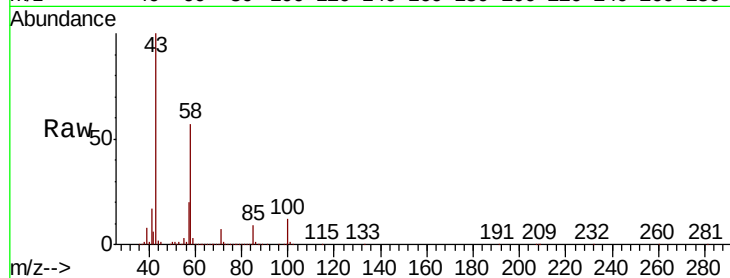
#59
2-Hexanone
Concen: 270.708 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1101005
Ion Ratio Lower Upper
43 100
58 56.5 27.7 83.0

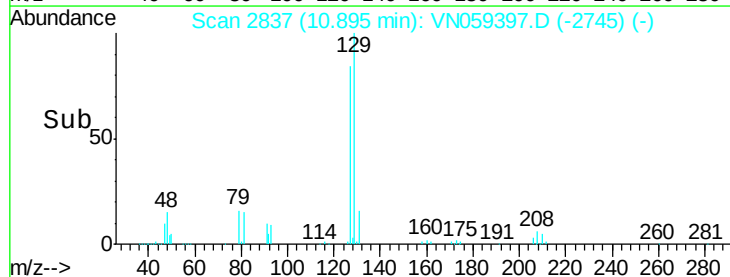
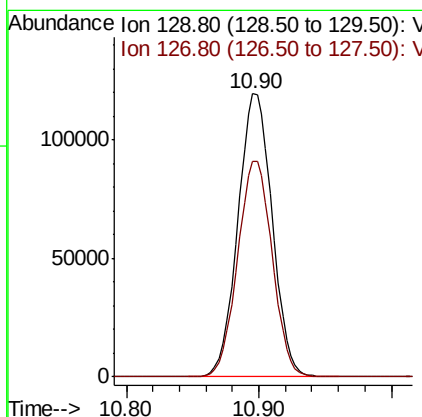
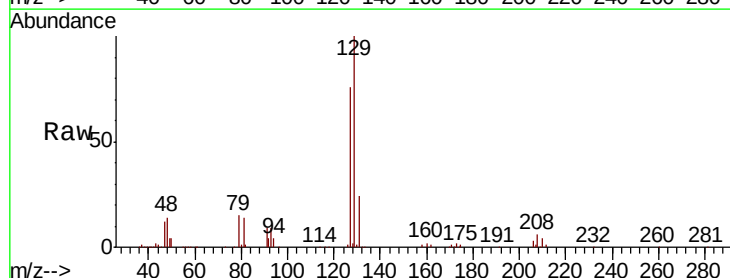
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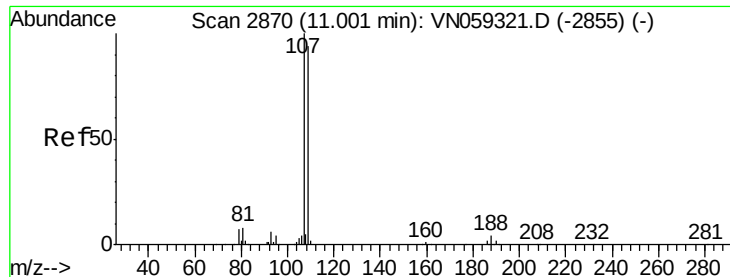
apatel
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#60
Dibromochloromethane
Concen: 51.416 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion: 129 Resp: 214785
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





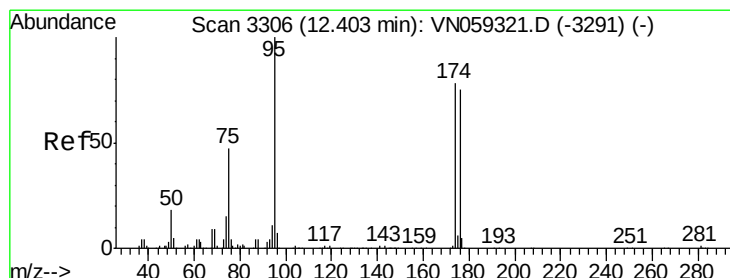
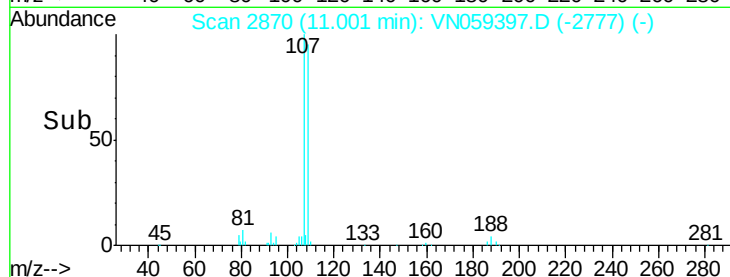
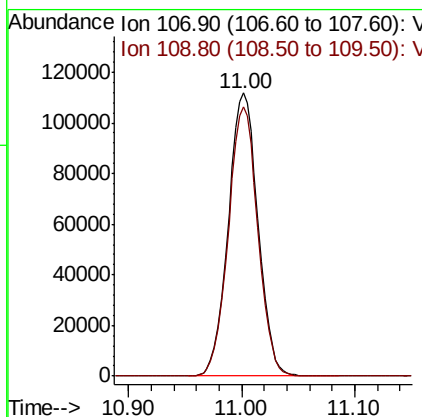
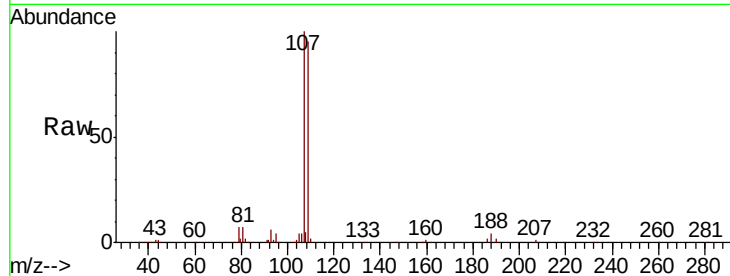
#61
 1,2-Dibromoethane
 Concen: 49.392 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.4	113.2

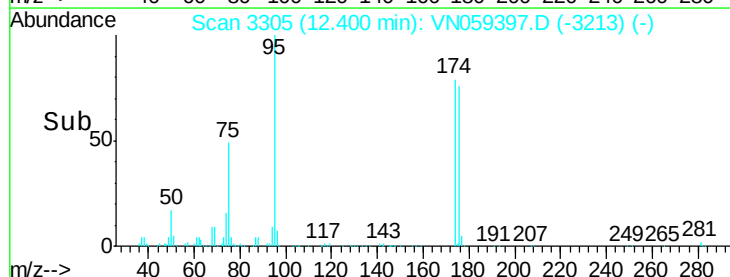
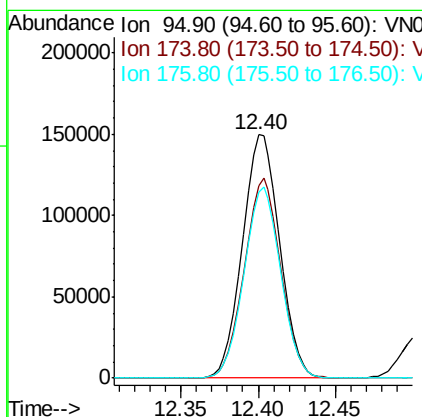
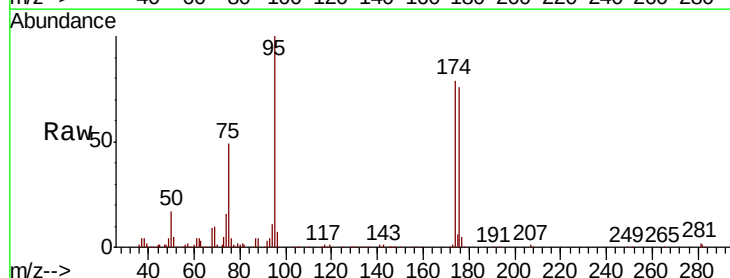
Manual Integrations
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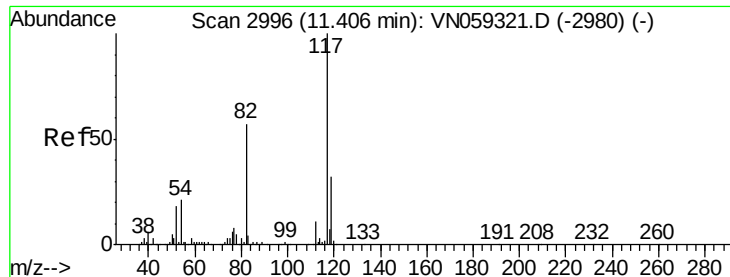
apatel
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#62
 4-Bromofluorobenzene
 Concen: 53.804 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.4	0.0	157.4
176	77.4	0.0	151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

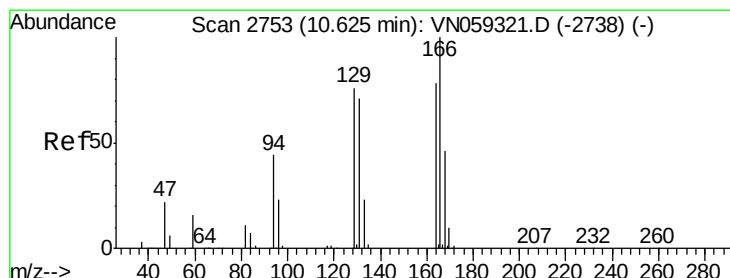
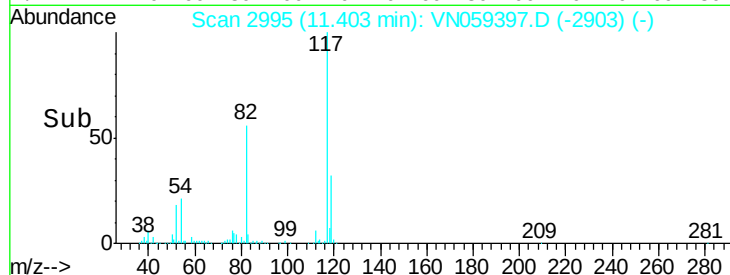
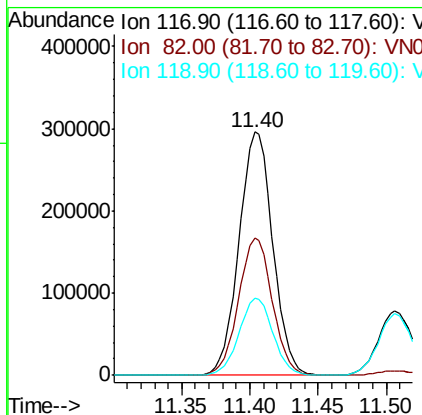
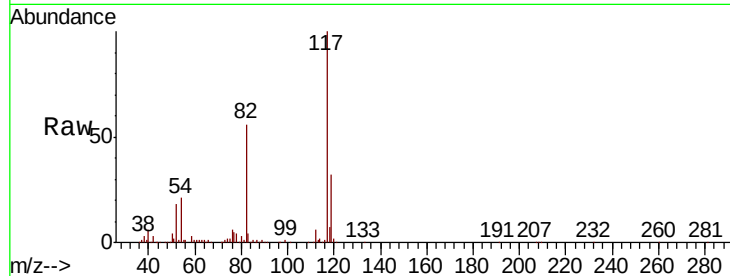
ClientSampleId :

VSTDCCC050EC

Tot Ion:	117	Resp:	509335
Ion Ratio		Lower	Upper
117	100		
82	56.4	45.7	68.5
119	31.7	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 56.396 ug/l

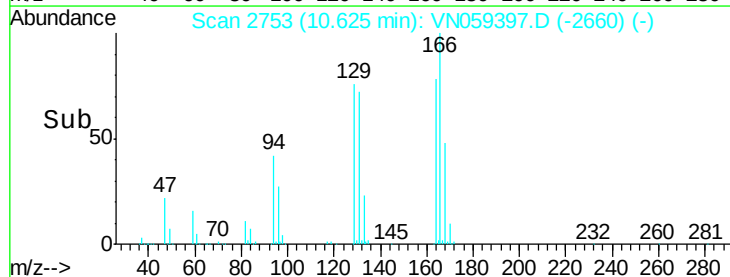
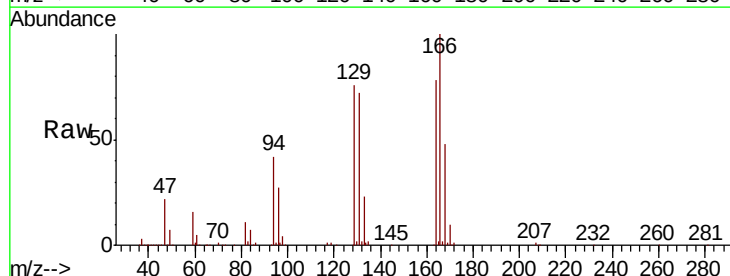
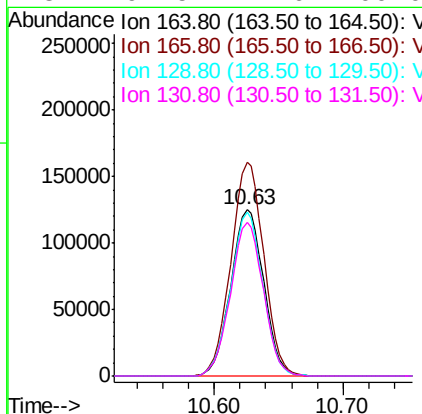
RT: 10.63 min Scan# 2753

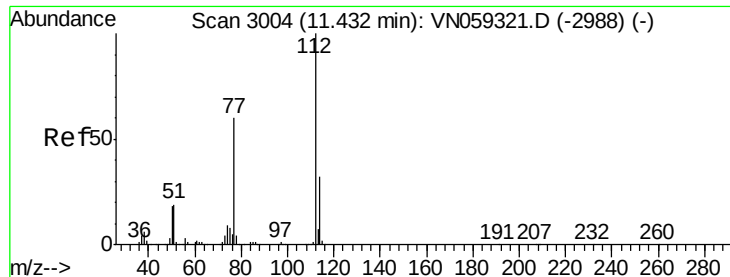
Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion:	164	Resp:	222158
Ion Ratio		Lower	Upper
164	100		
166	128.5	102.9	154.3
129	98.3	78.2	117.2
131	92.5	72.6	109.0





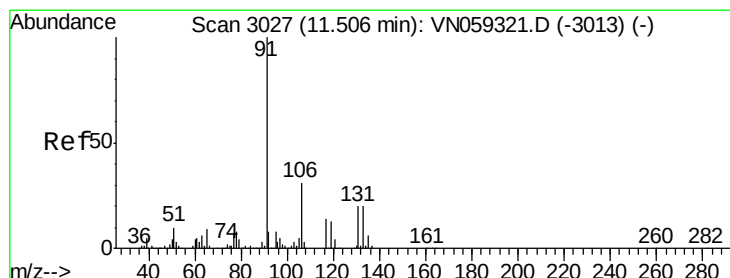
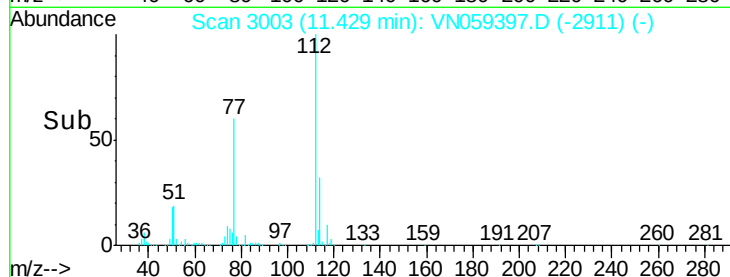
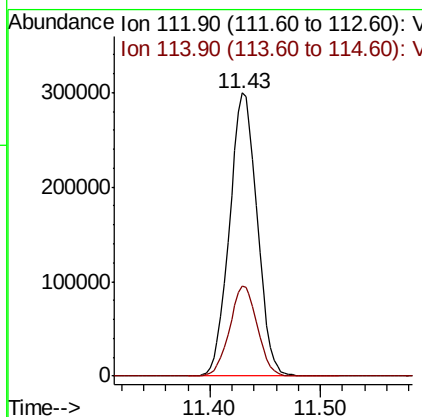
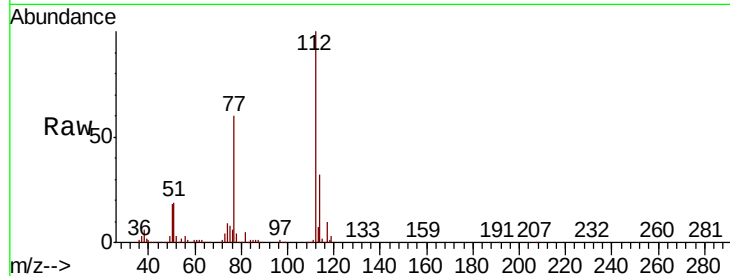
#65
Chlorobenzene
Concen: 47.526 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.6

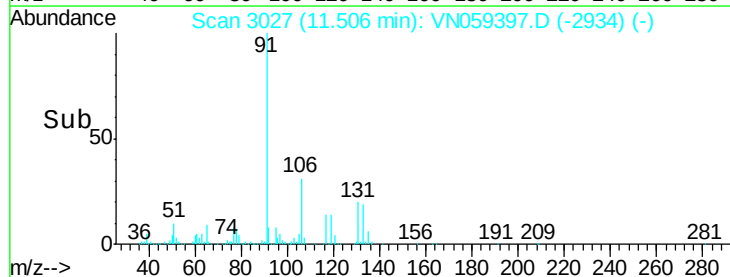
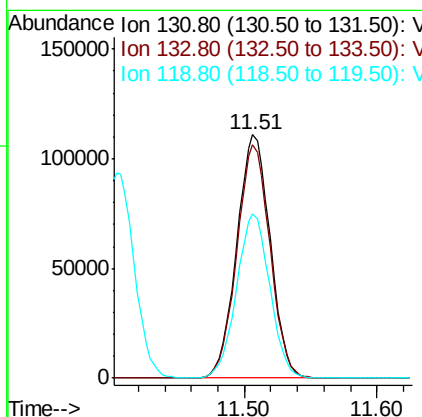
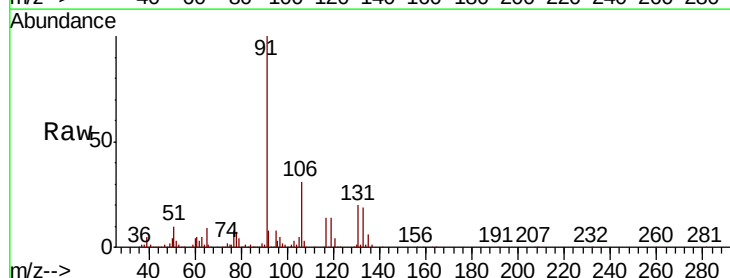
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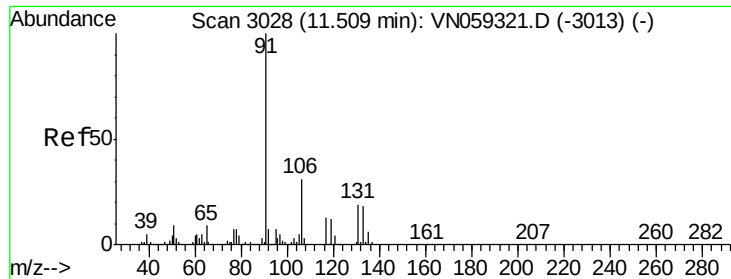
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.779 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.2	144.6
119	67.0	33.6	100.6





#67

Ethyl Benzene

Concen: 48.512 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 948629

Ion Ratio Lower Upper

91 100

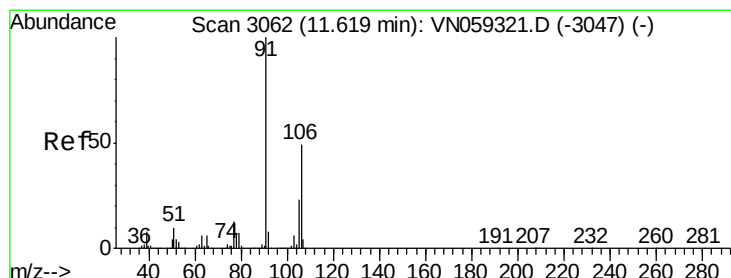
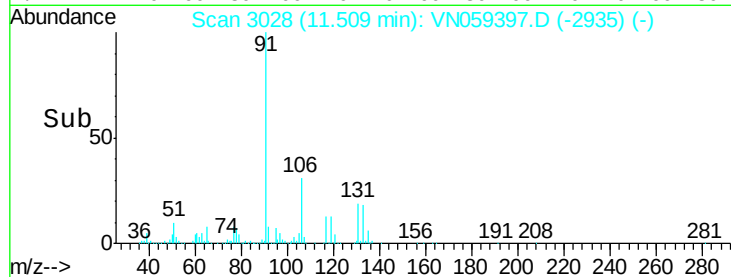
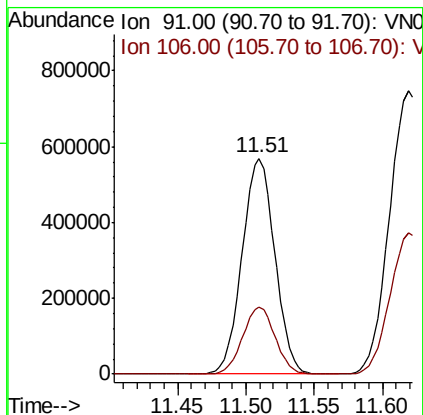
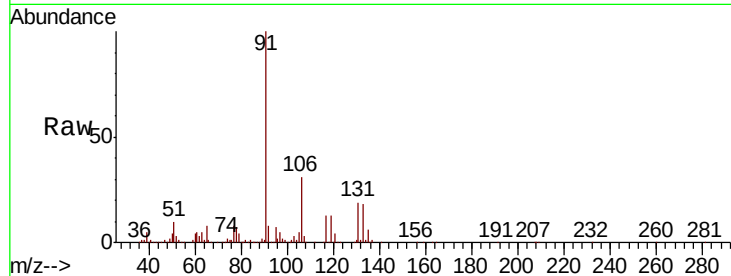
106 31.0 24.6 37.0

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#68

m/p-Xylenes

Concen: 97.742 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059397.D

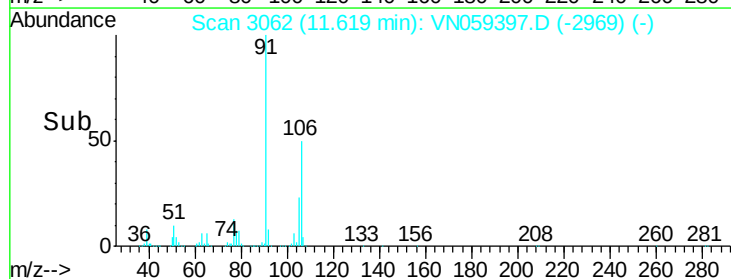
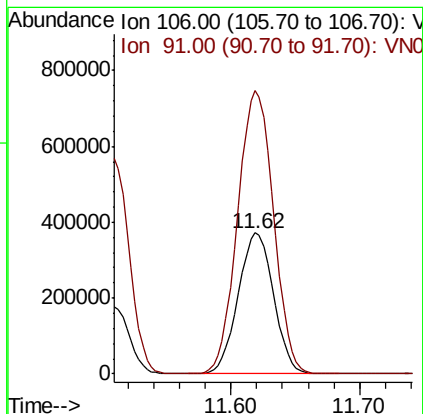
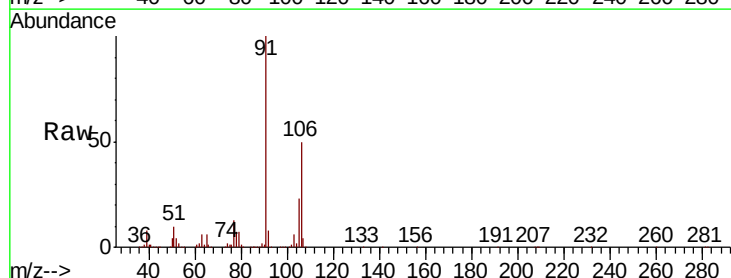
Acq: 25 Nov 2019 20:35

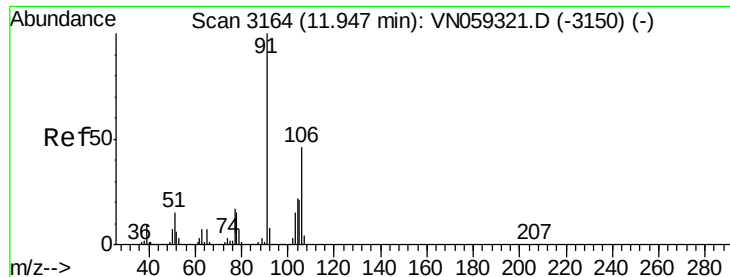
Tgt Ion: 106 Resp: 710198

Ion Ratio Lower Upper

106 100

91 203.8 163.2 244.8





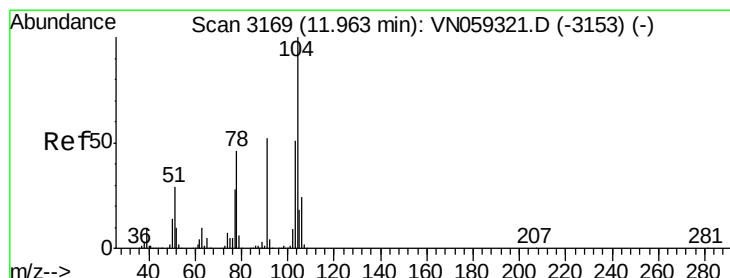
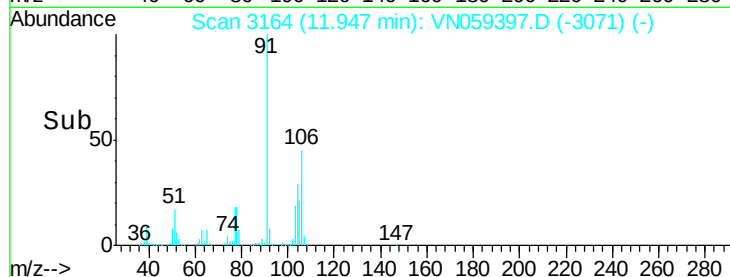
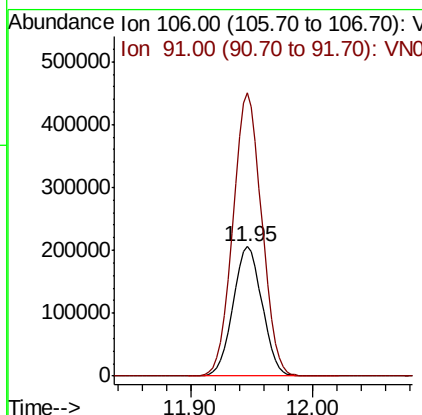
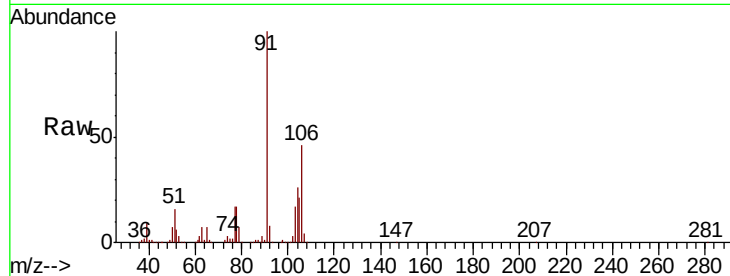
#69
o-Xylene
Concen: 48.914 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.6	109.3	327.9	

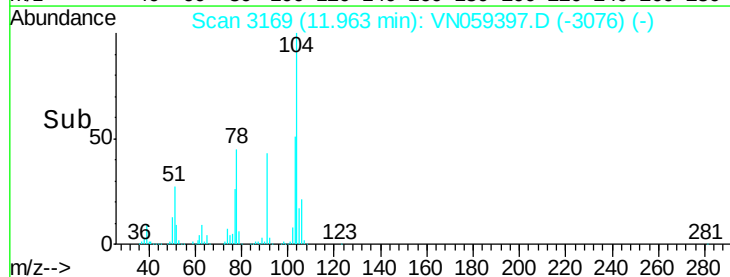
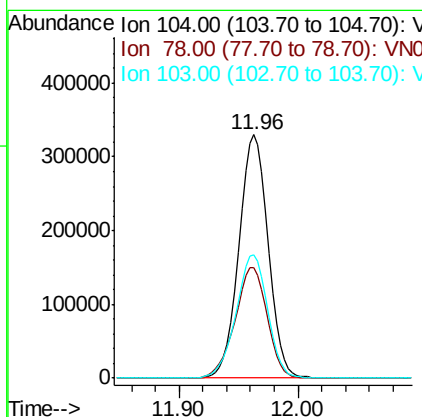
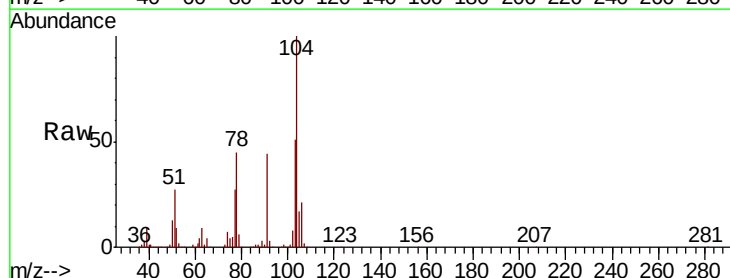
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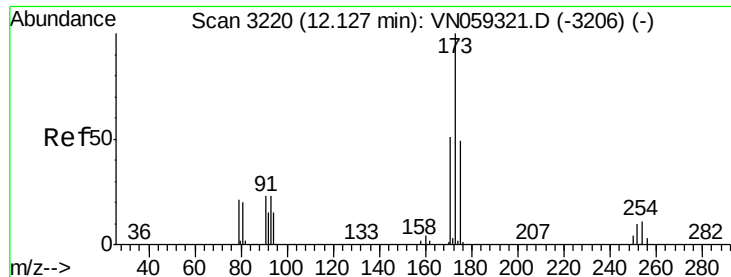
apatel
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#70
Styrene
Concen: 51.147 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.0	40.3	60.5	
103	55.0	43.6	65.4	





#71

Bromoform

Concen: 51.914 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

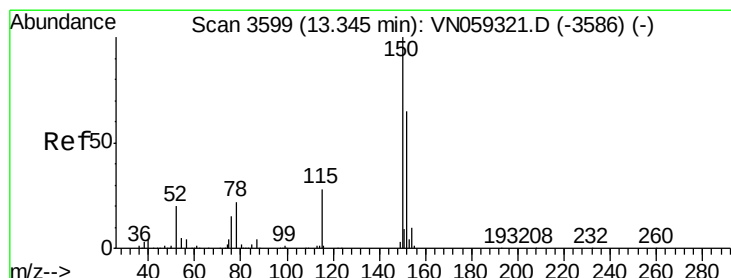
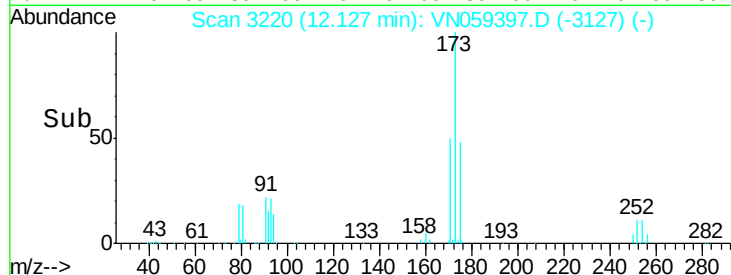
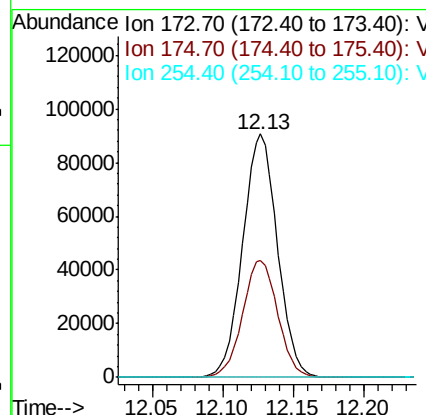
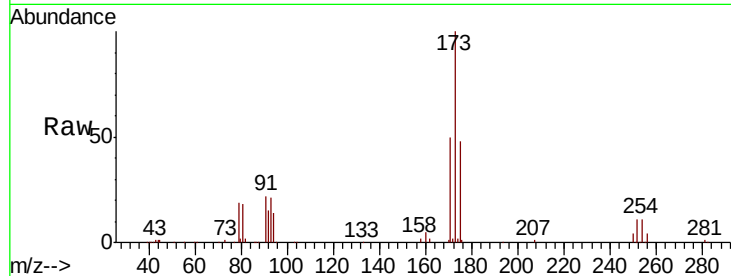
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	156425
Ion Ratio	Lower	Upper	
173	100		
175	48.4	24.6	73.6
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

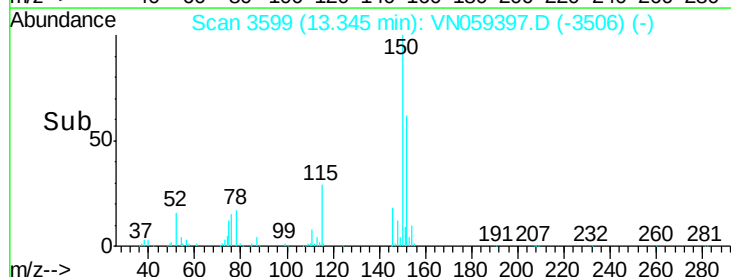
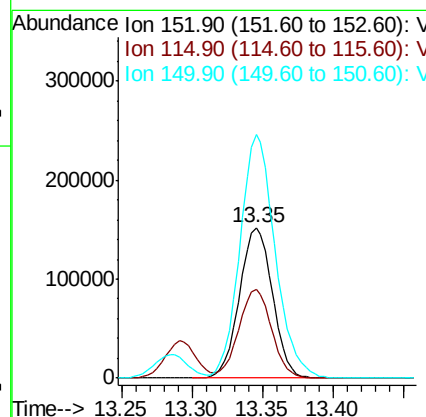
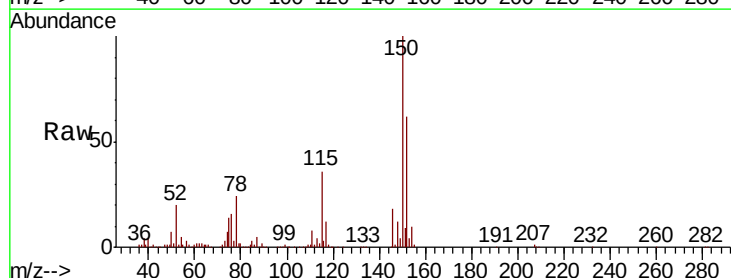
RT: 13.35 min Scan# 3599

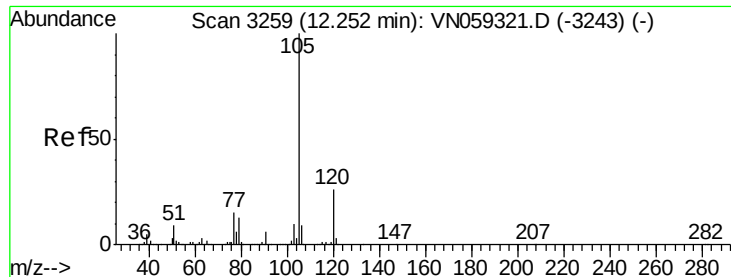
Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion:	152	Resp:	249842
Ion Ratio	Lower	Upper	
152	100		
115	58.0	29.3	88.0
150	171.9	0.0	346.0





#73

Isopropylbenzene

Concen: 44.853 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 917999

Ion Ratio Lower Upper

105 100

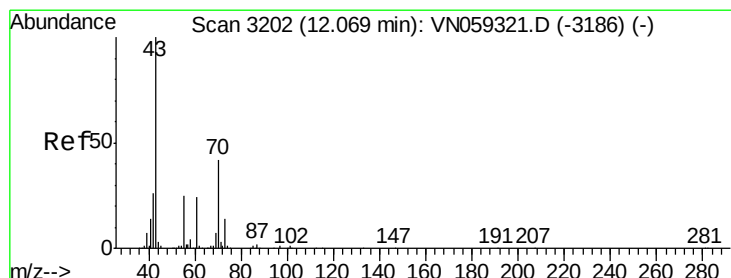
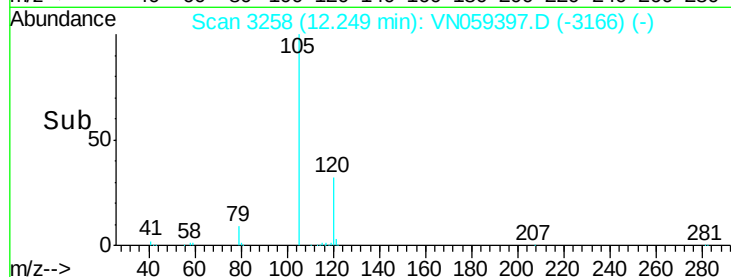
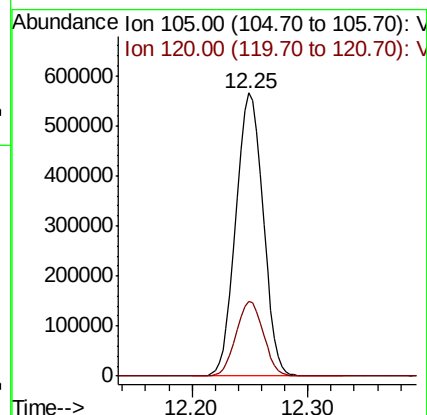
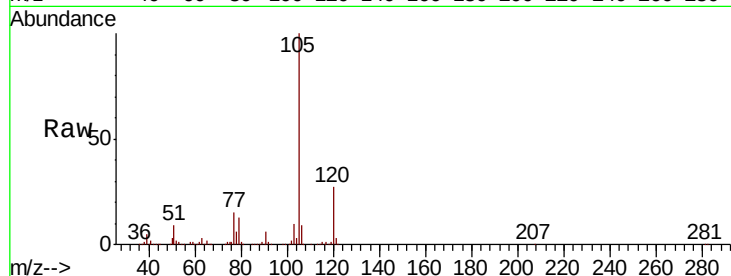
120 26.5 13.1 39.3

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#74

N-ethyl acetate

Concen: 47.641 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion: 43 Resp: 391862

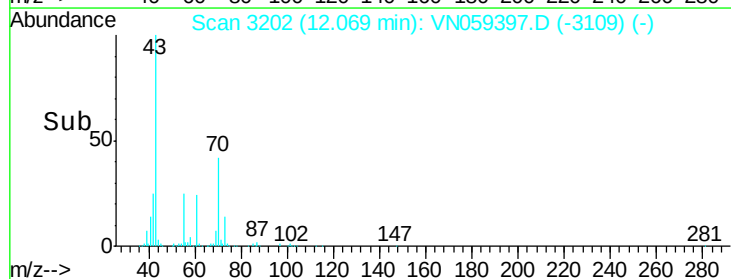
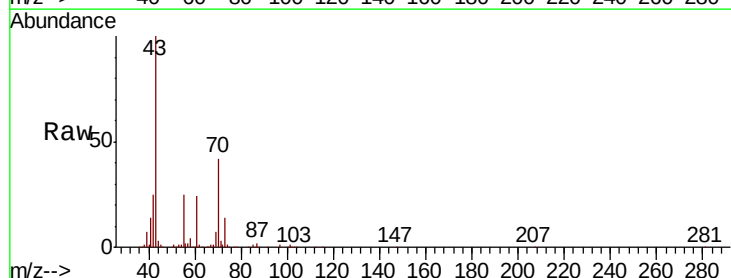
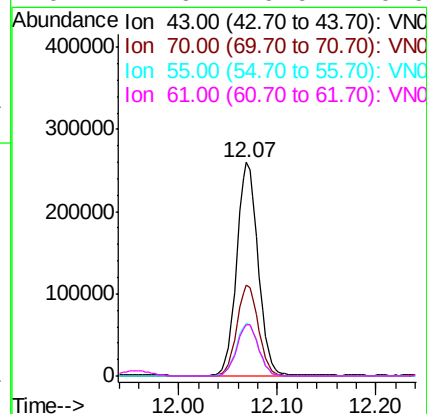
Ion Ratio Lower Upper

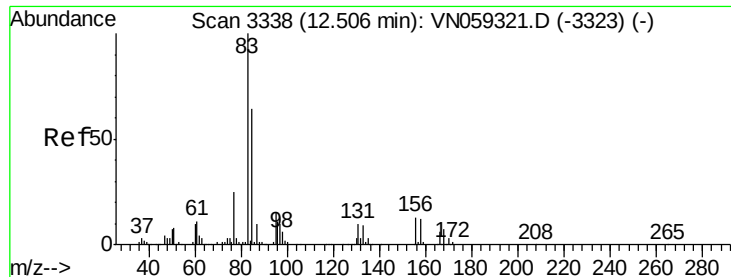
43 100

70 43.0 33.8 50.6

55 25.5 20.3 30.5

61 24.9 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 44.120 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

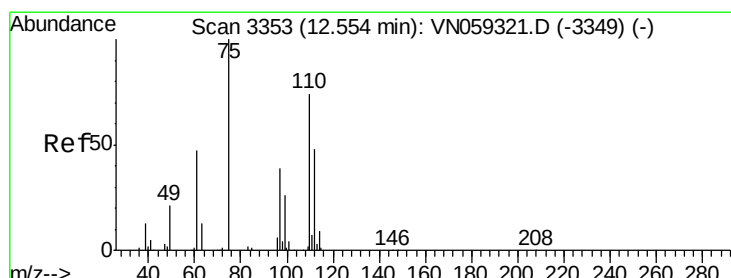
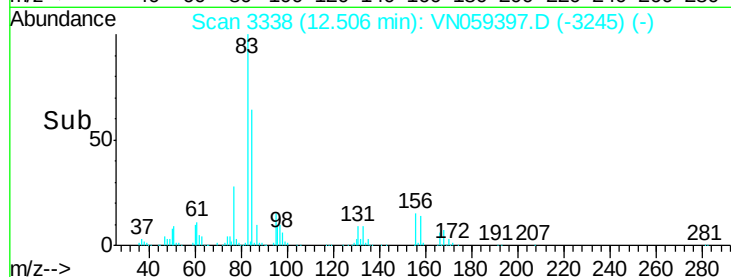
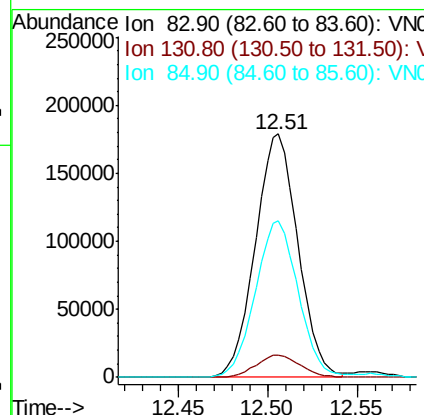
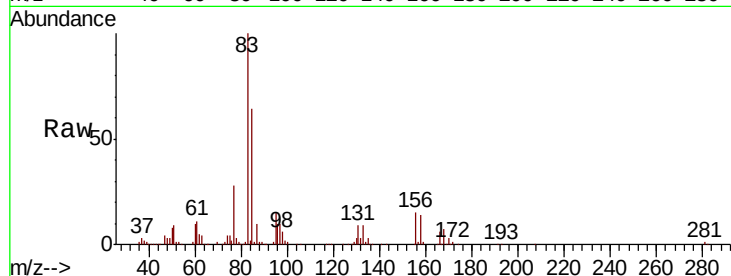
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	298706
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	14.9
85	64.7	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 47.278 ug/l m

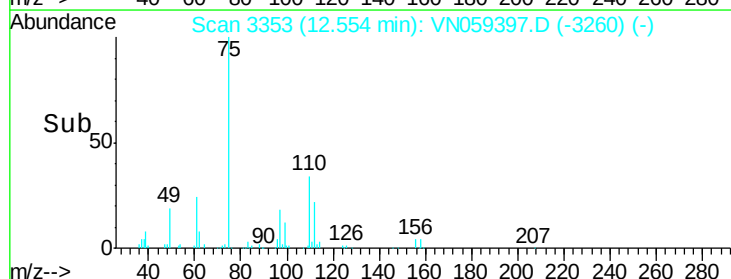
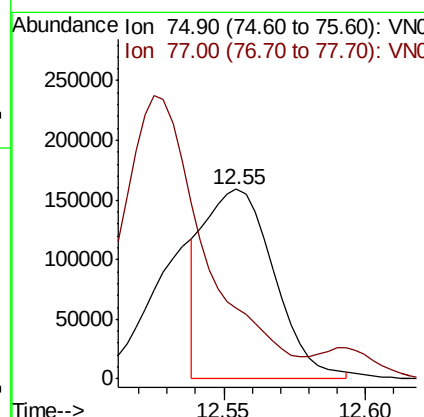
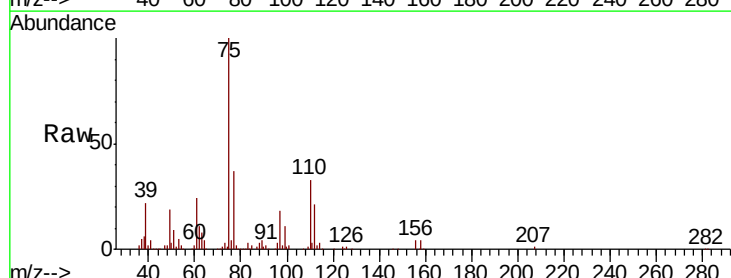
RT: 12.55 min Scan# 3353

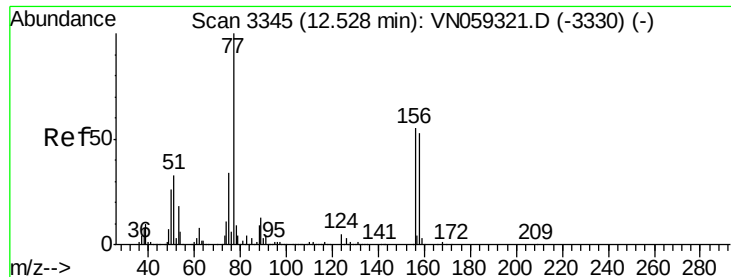
Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion:	75	Resp:	272887
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.892 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

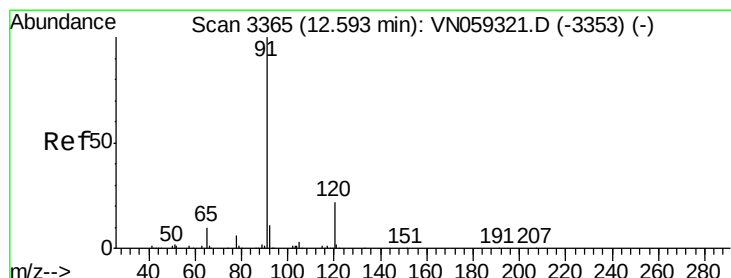
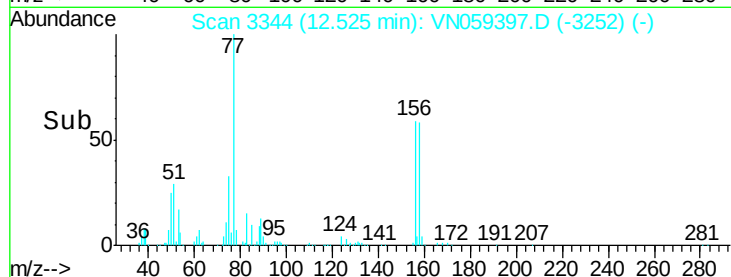
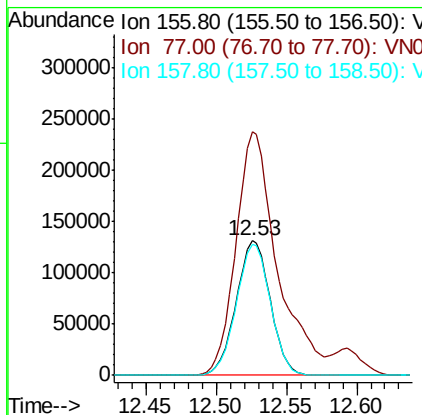
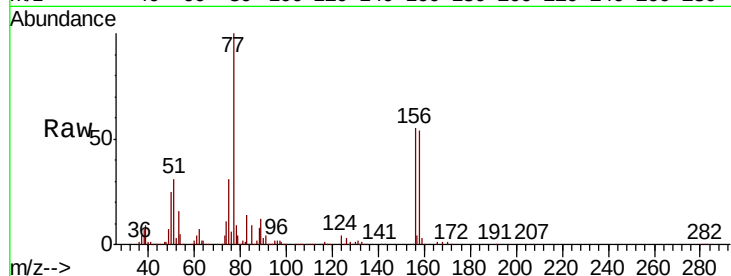
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	222852
Ion Ratio	Lower	Upper	
156	100		
77	218.6	111.1	333.4
158	97.2	47.8	143.4

Manual Integrations
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#78

n-propylbenzene

Concen: 46.486 ug/l

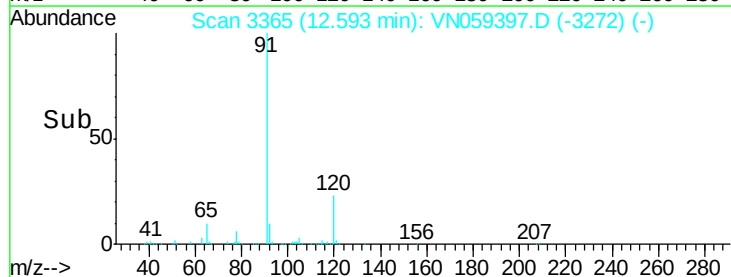
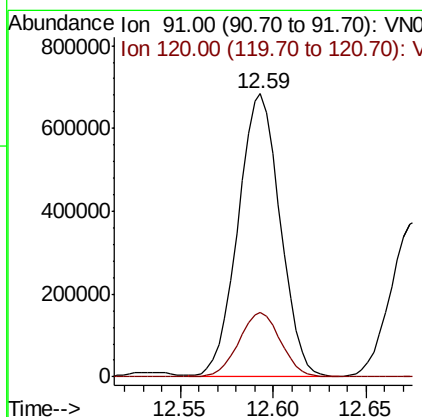
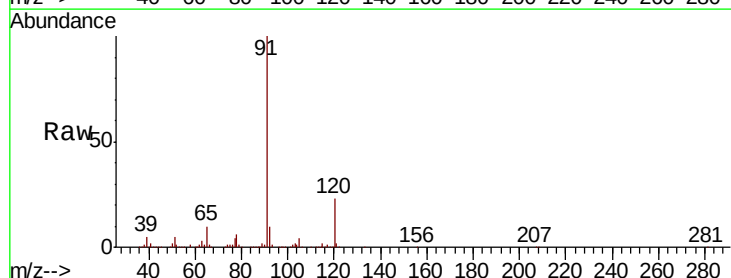
RT: 12.59 min Scan# 3365

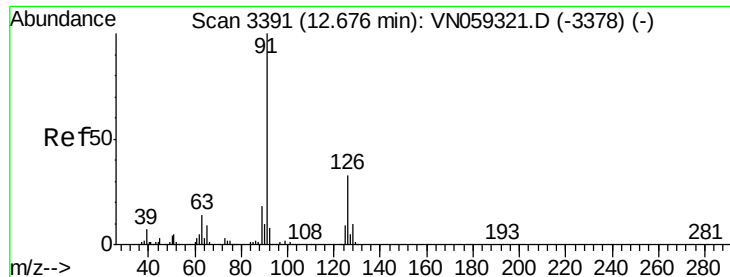
Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion:	91	Resp:	1077707
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.9





#79

2-Chlorotoluene

Concen: 44.378 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 631502

Ion Ratio Lower Upper

91 100

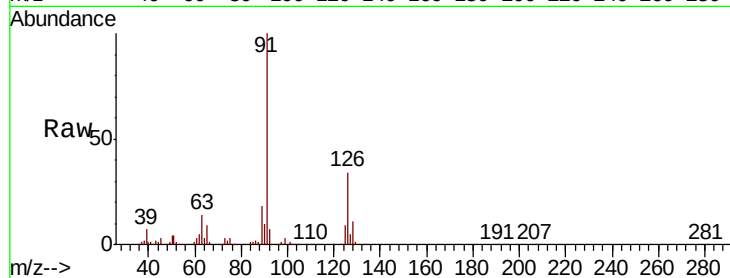
126 33.3 16.7 50.1

Manual Integrations

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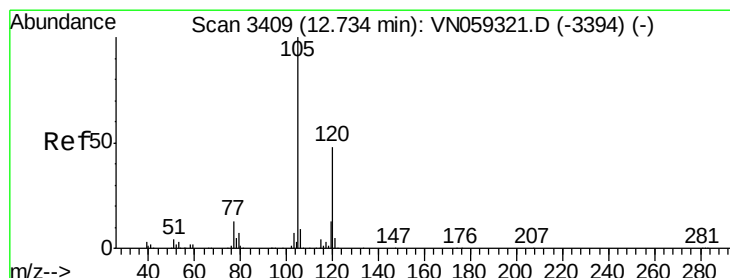
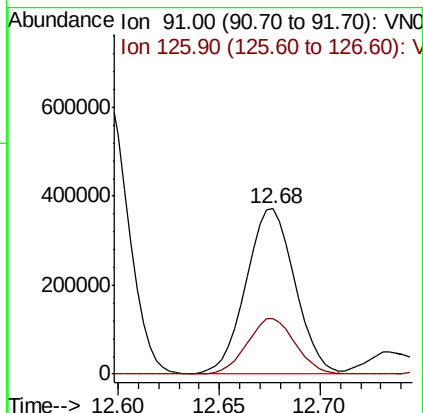
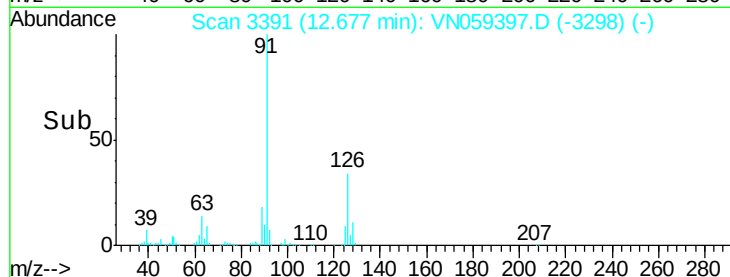
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Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059321.D (-3378) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.637 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059397.D

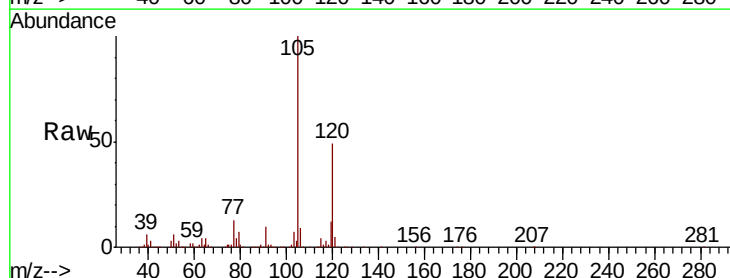
Acq: 25 Nov 2019 20:35

Tgt Ion: 105 Resp: 785185

Ion Ratio Lower Upper

105 100

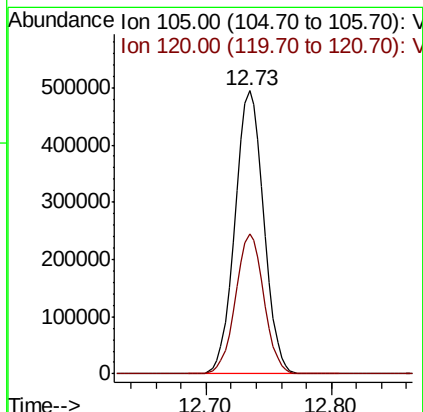
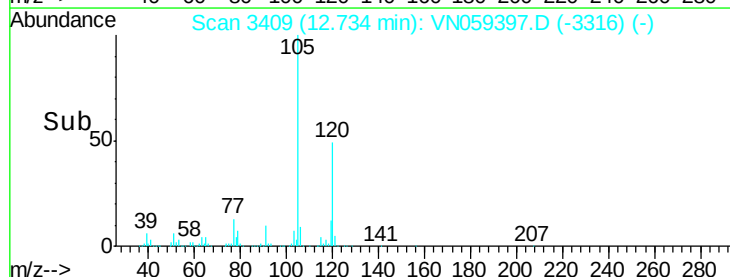
120 48.6 24.1 72.4

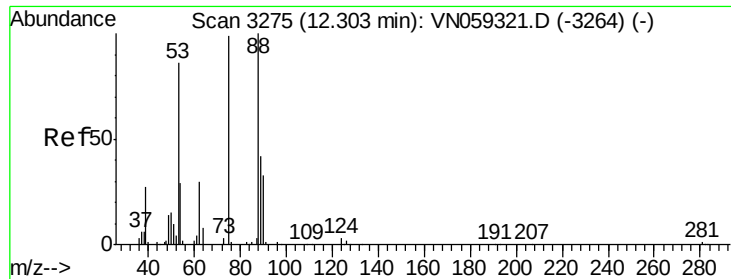


Abundance Ion 105.00 (104.70 to 105.70): VN059321.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059321.D (-3394) (-)

Time-->





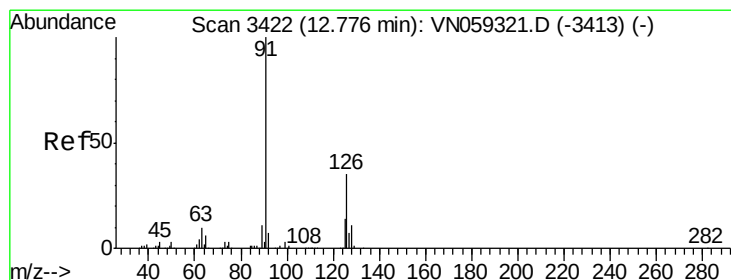
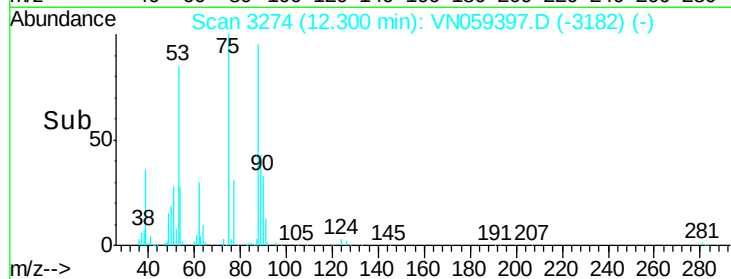
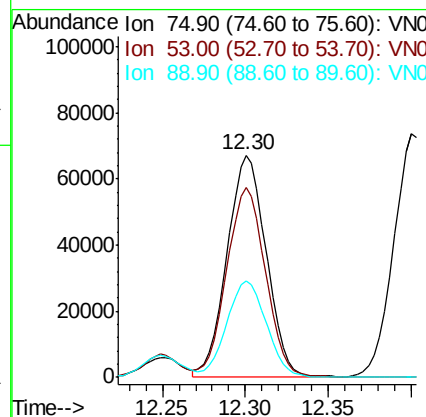
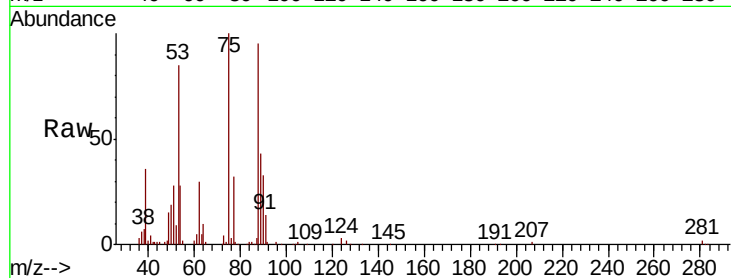
#81
trans-1,4-Dichloro-2-butene
Concen: 47.759 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	85.4	70.7	106.1
89	43.9	35.4	53.0

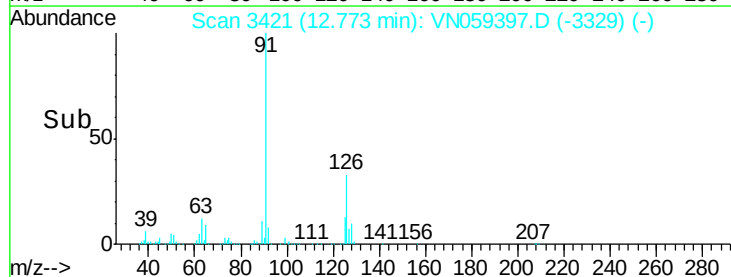
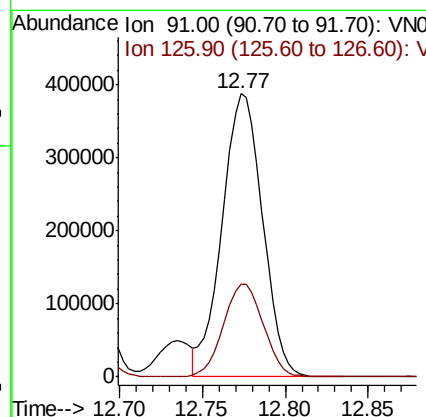
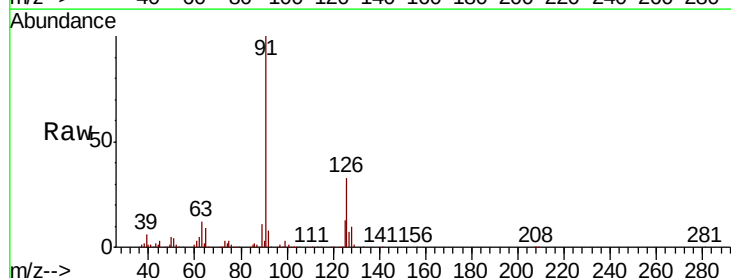
Manual Integrations
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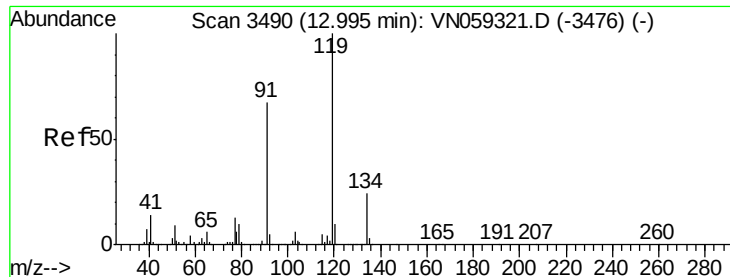
apatel
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#82
4-Chlorotoluene
Concen: 44.471 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.2	48.6





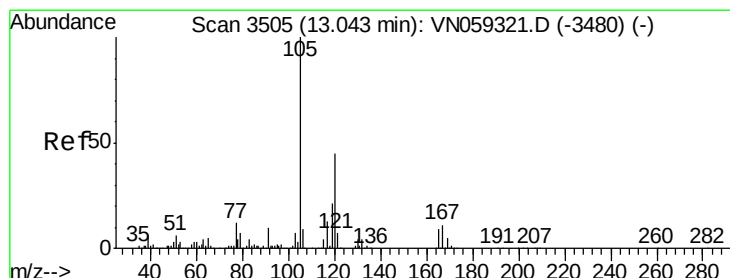
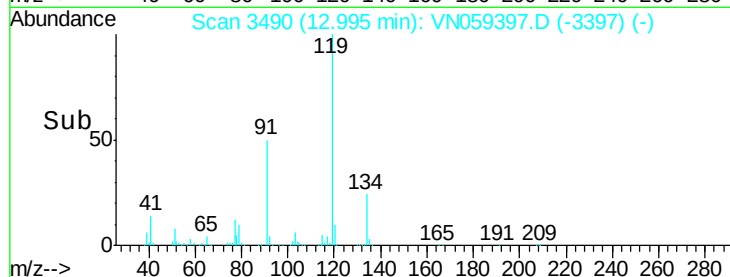
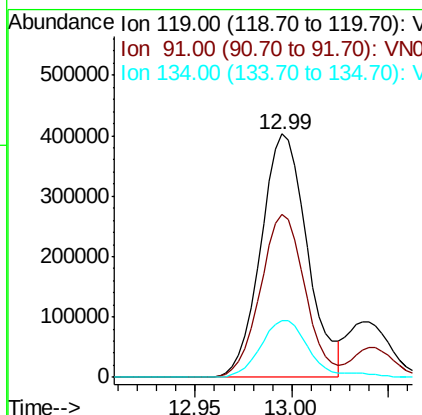
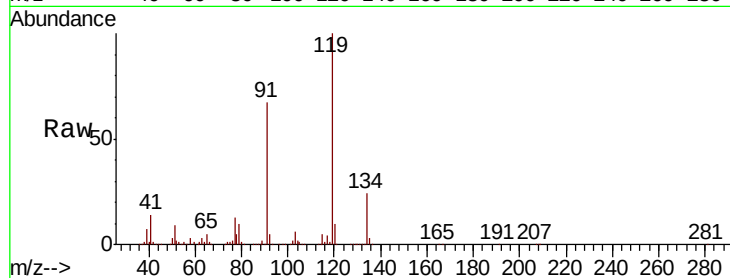
#83
 tert-Butylbenzene
 Concen: 46.152 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	32.8	98.4
134	24.7	13.0	38.9

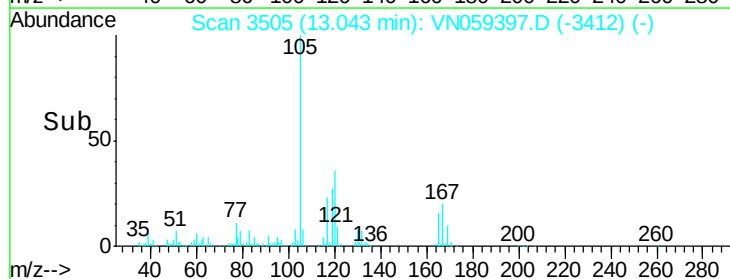
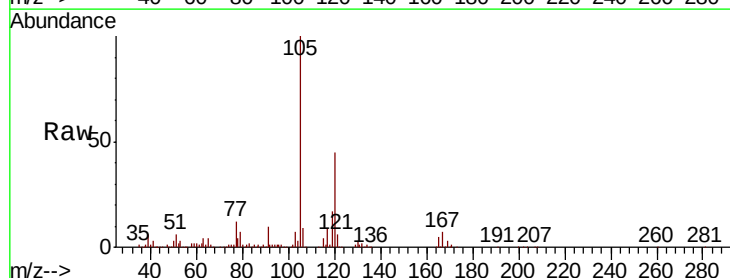
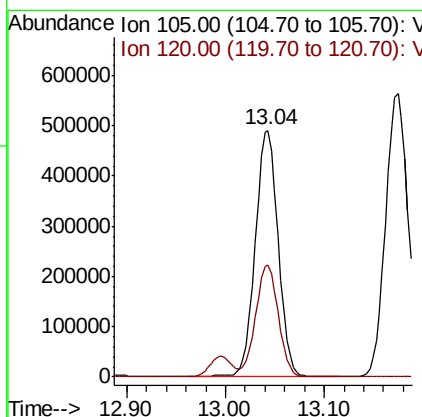
Manual Integrations
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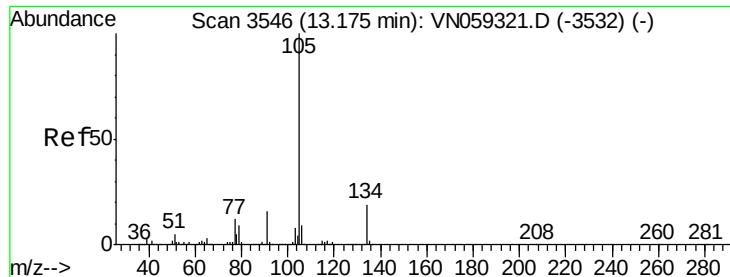
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.462 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.8





#85

sec-Butylbenzene

Concen: 45.982 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 898043

Ion Ratio Lower Upper

105 100

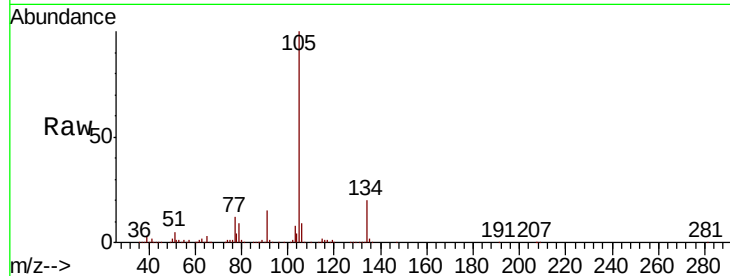
134 19.7 9.8 29.3

Manual Integrations

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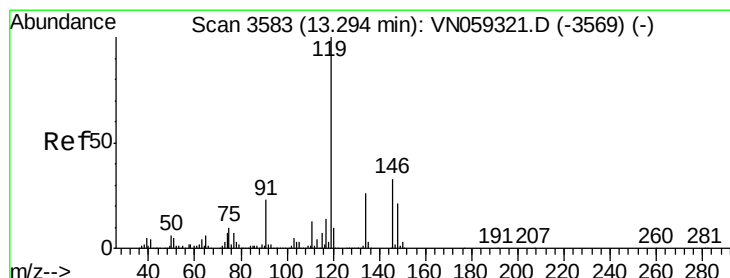
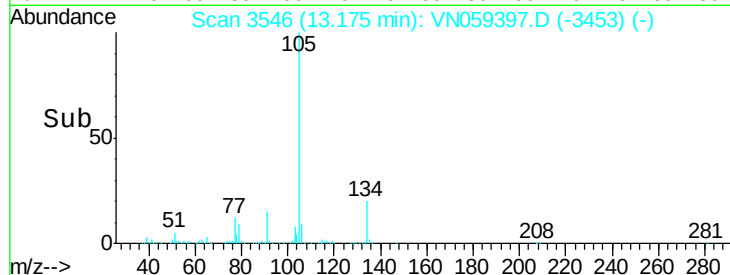
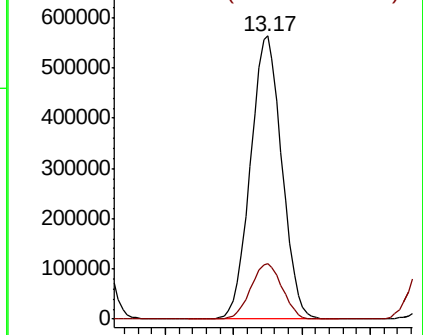
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 47.099 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

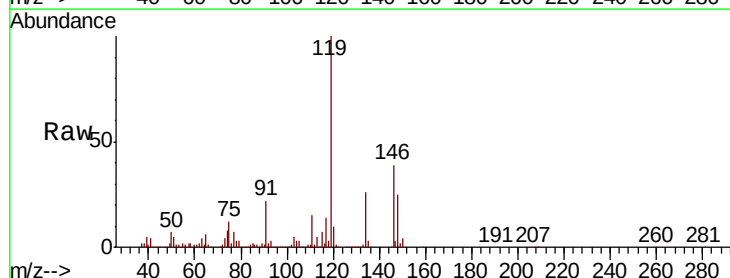
Tgt Ion:119 Resp: 818529

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

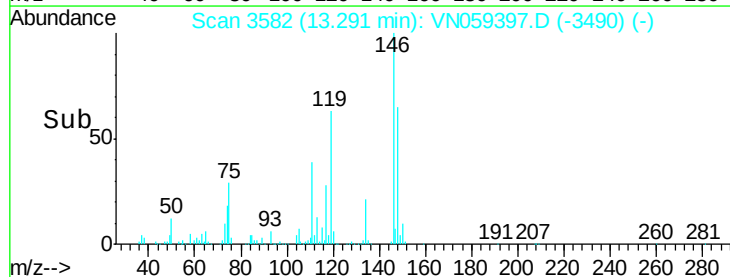
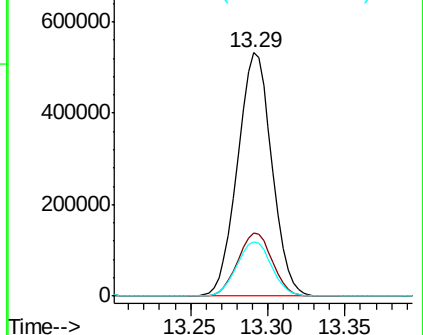
91 22.7 11.6 34.7

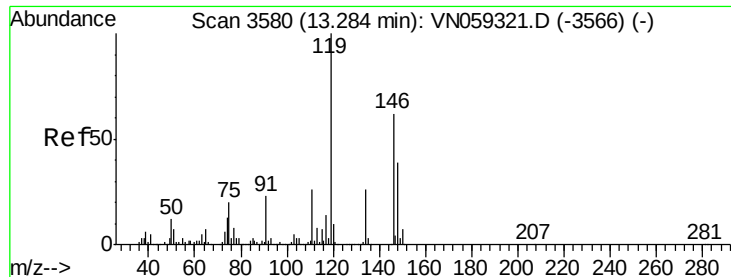


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 45.262 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059397.D

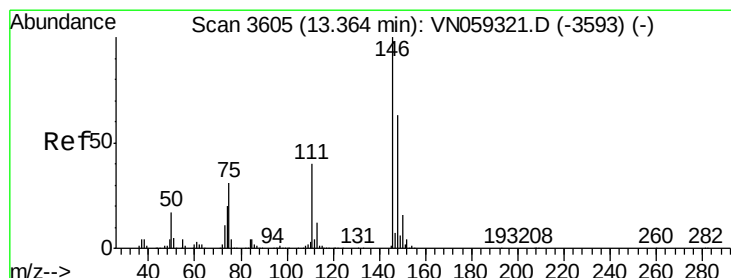
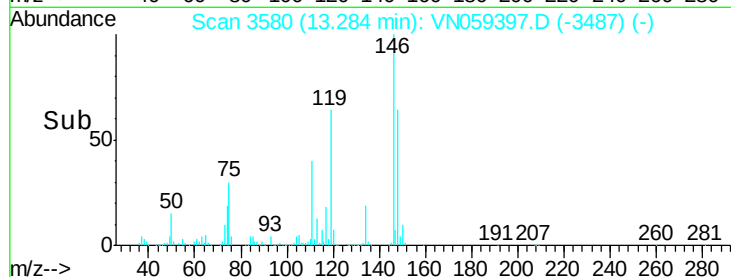
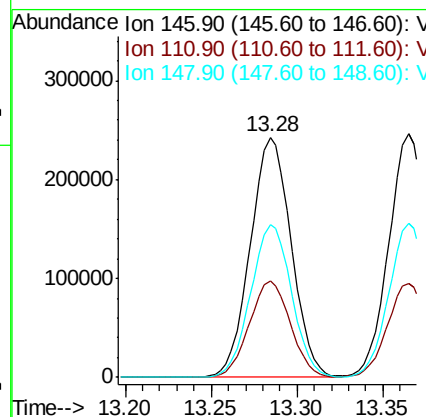
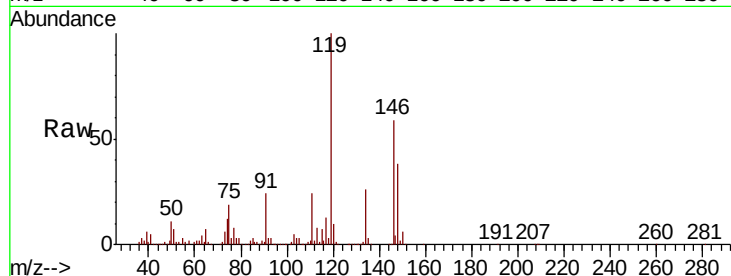
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.8
148	63.5	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 45.497 ug/l

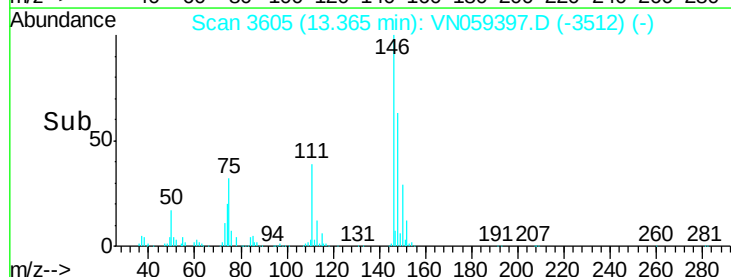
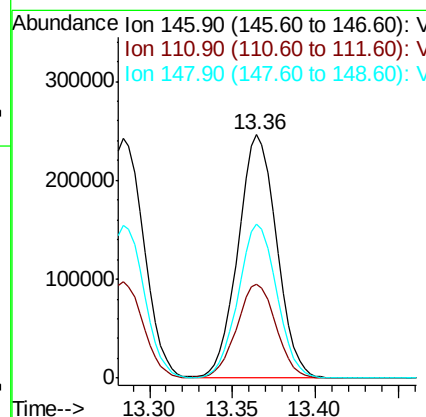
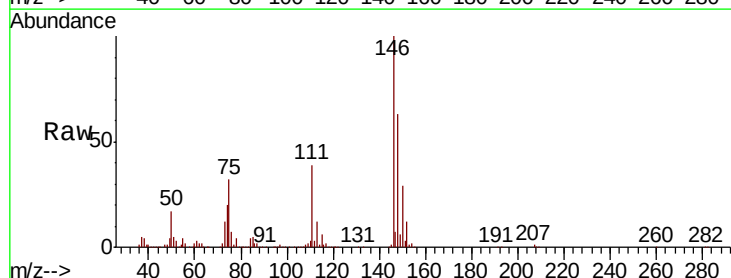
RT: 13.36 min Scan# 3605

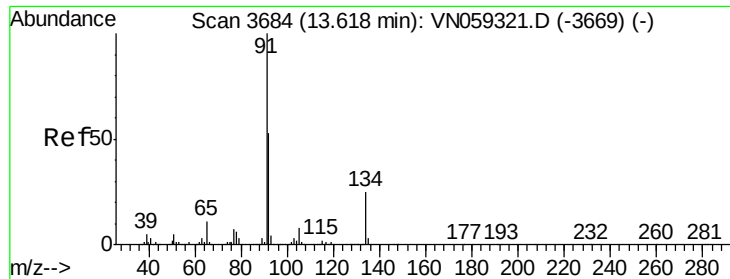
Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.1	60.3
148	63.5	31.7	95.1





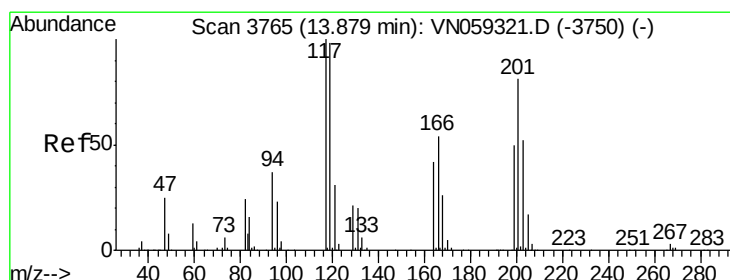
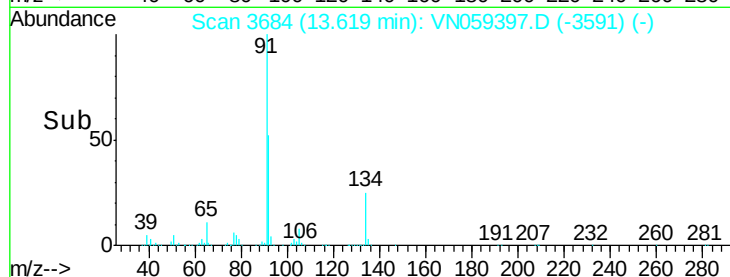
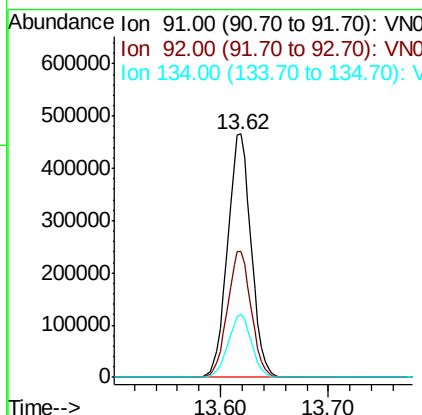
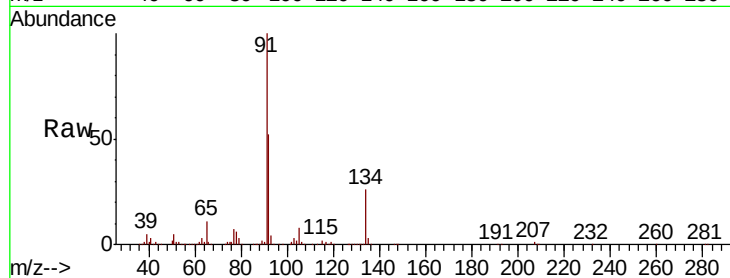
#89
n-Butylbenzene
Concen: 46.387 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.0	78.0
134	25.6	12.7	38.1

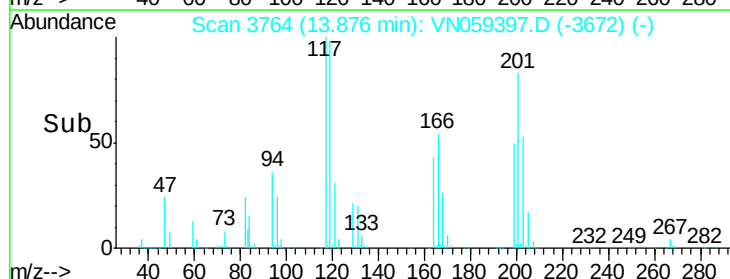
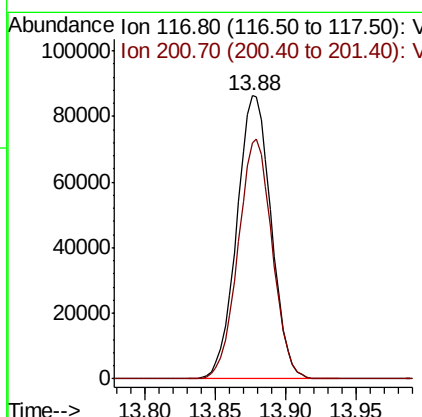
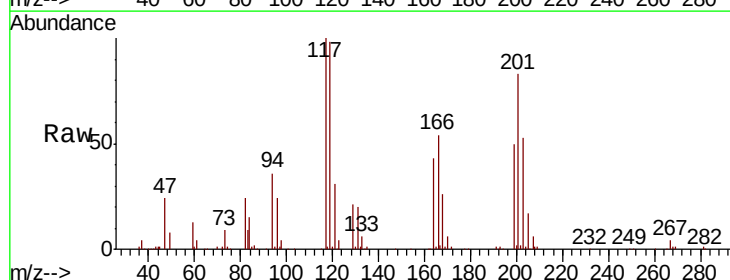
Manual Integrations
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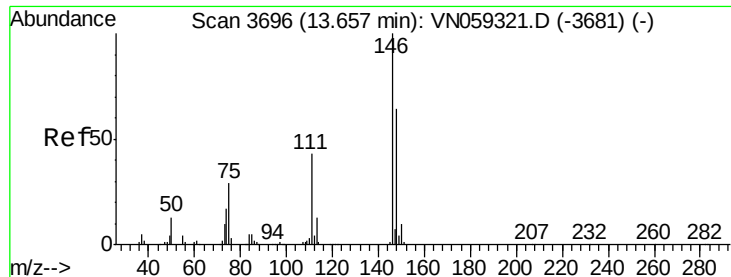
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#90
Hexachloroethane
Concen: 44.871 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059397.D
Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	40.4	121.2





#91

1,2-Dichlorobenzene

Concen: 46.110 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

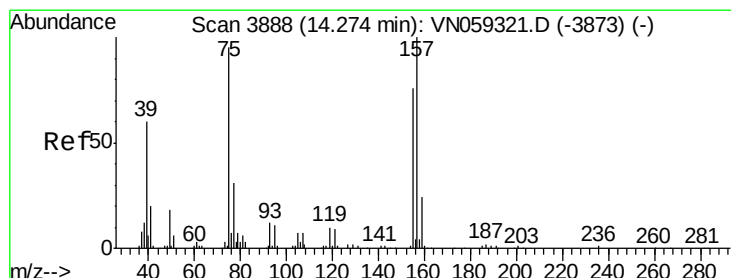
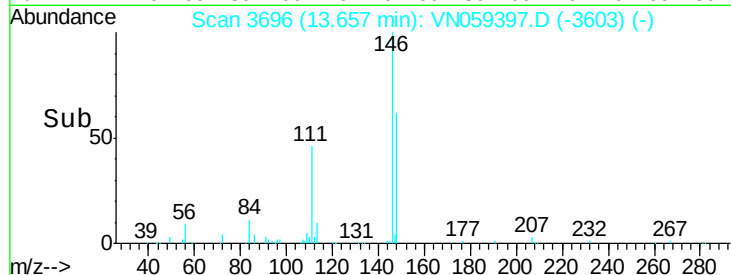
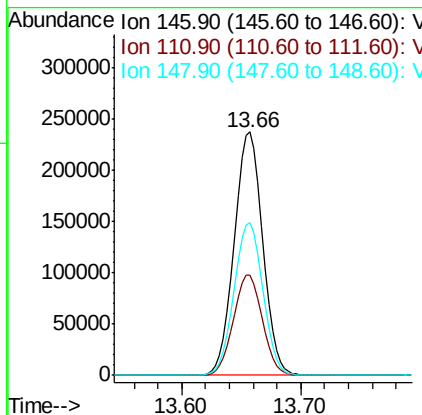
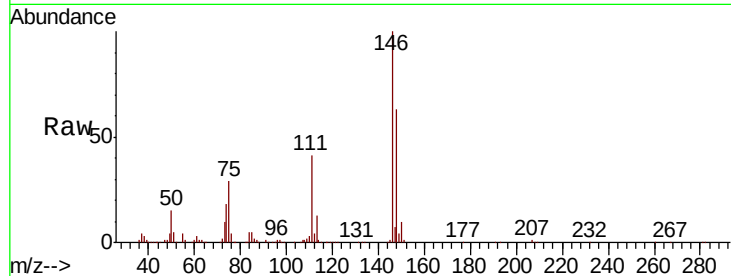
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	394391
Ion Ratio	Lower	Upper	
146	100		
111	41.9	21.3	64.0
148	63.7	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 43.969 ug/l

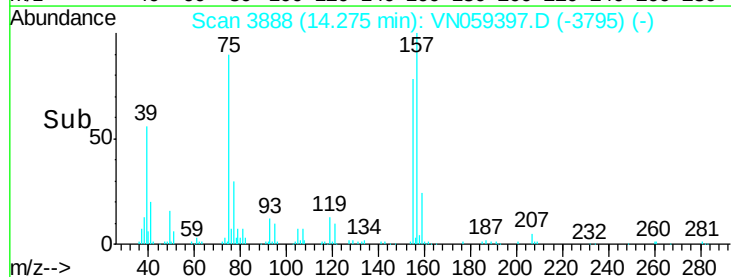
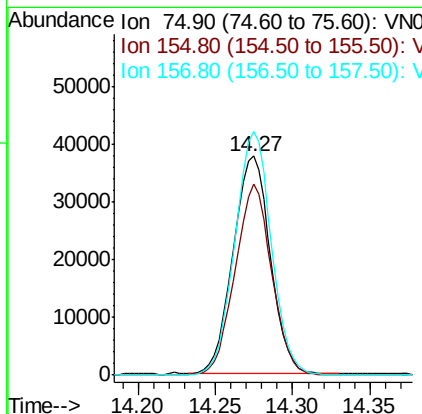
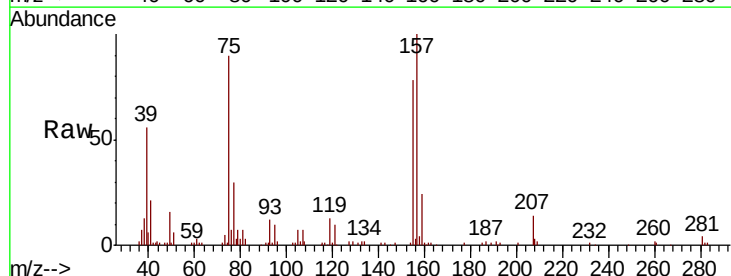
RT: 14.27 min Scan# 3888

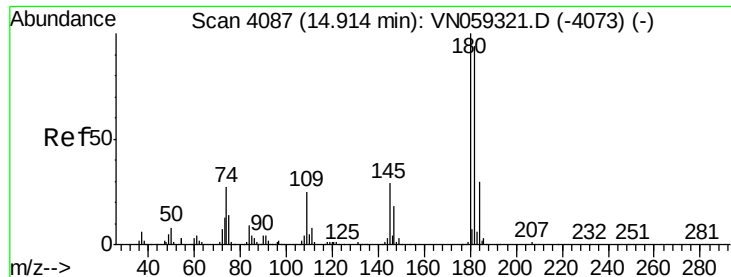
Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion:	75	Resp:	63290
Ion Ratio	Lower	Upper	
75	100		
155	85.8	40.5	121.5
157	109.5	52.7	158.1





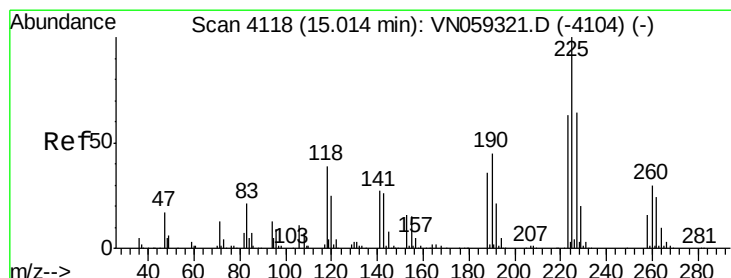
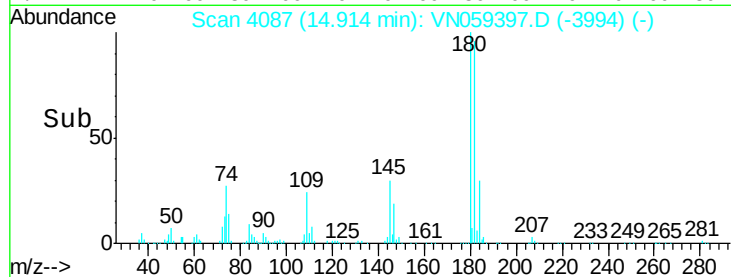
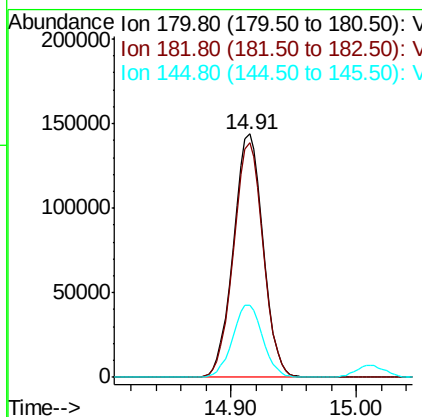
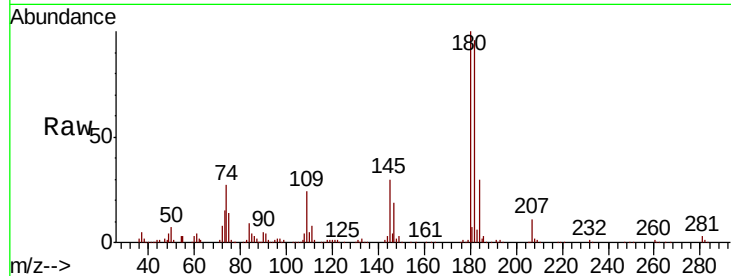
#93
 1,2,4-Trichlorobenzene
 Concen: 44.815 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.1	47.2	141.6	
145	30.3	14.9	44.5	

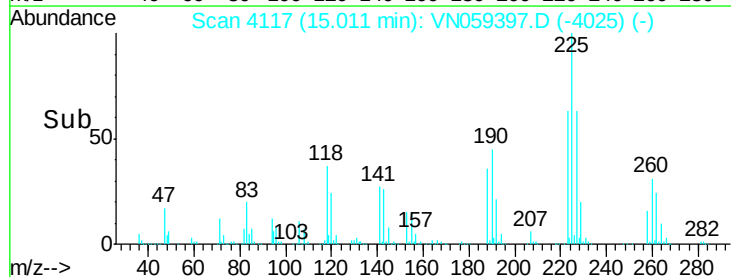
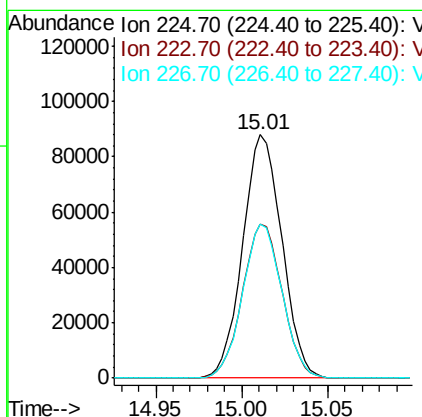
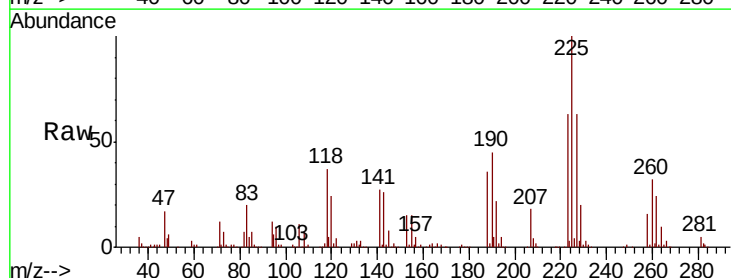
Manual Integrations
 APPROVED

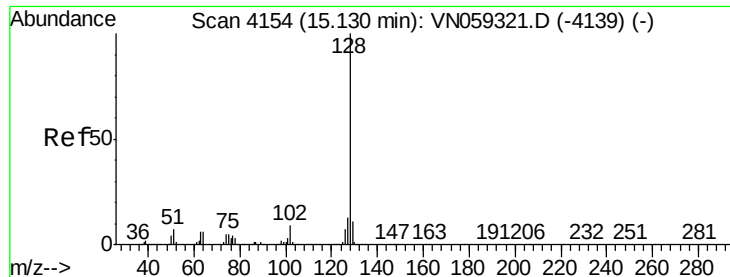
apatel
 11/26/2019 12:32:19 PM



#94
 Hexachlorobutadiene
 Concen: 45.286 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059397.D
 Acq: 25 Nov 2019 20:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.9	31.6	94.8	
227	63.3	32.6	97.7	





#95

Naphthalene

Concen: 42.788 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Instrument :

MSVOA_N

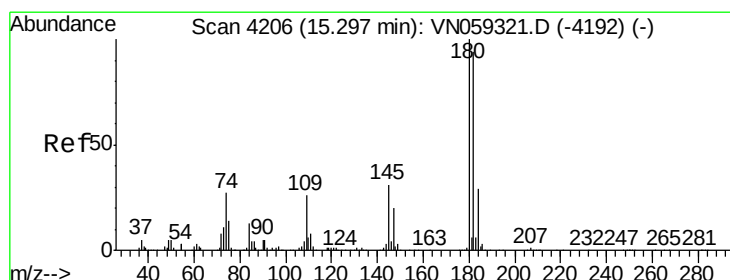
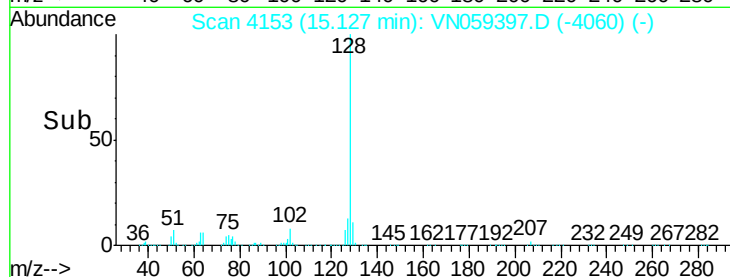
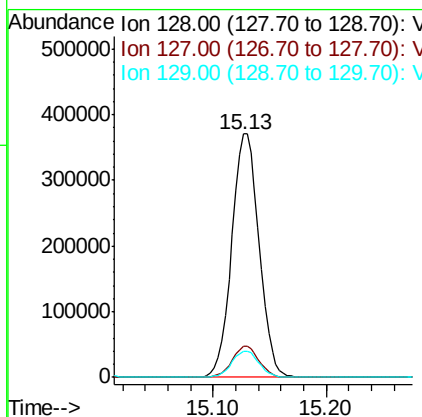
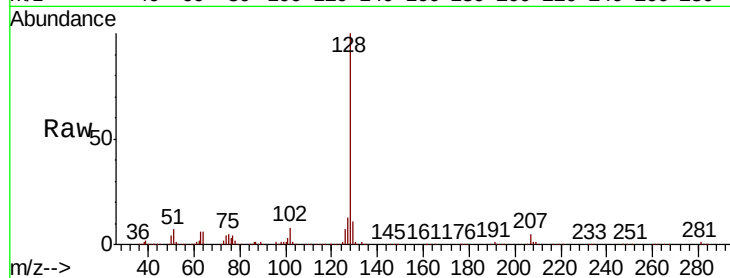
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	623096
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.2
129	10.8	8.6	13.0

Manual Integrations
APPROVED

apatel
11/26/2019 12:32:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 45.361 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059397.D

Acq: 25 Nov 2019 20:35

Tgt Ion:	180	Resp:	235893
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.1	141.4
145	31.9	15.6	46.8

