

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058813.D
 Acq On : 16 Oct 2019 19:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:51:32 AM

Quant Time: Oct 17 05:11:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	386979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	618107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	573072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280525	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	280685	51.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.62%	
35) Dibromofluoromethane	7.57	113	200159	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
50) Toluene-d8	10.09	98	787045	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.40	95	294534	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	248267	51.512	ug/l	99
3) Chloromethane	2.04	50	287545	50.173	ug/l	100
4) Vinyl Chloride	2.17	62	296311	51.911	ug/l	100
5) Bromomethane	2.54	94	180611	52.014	ug/l	97
6) Chloroethane	2.68	64	186551	52.985	ug/l	100
7) Trichlorofluoromethane	3.00	101	361892	52.976	ug/l	99
8) Diethyl Ether	3.39	74	130380	51.655	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	200625	51.507	ug/l	98
10) Methyl Iodide	3.93	142	267547	50.335	ug/l	99
11) Tert butyl alcohol	4.76	59	251749	286.927	ug/l	99
12) 1,1-Dichloroethene	3.72	96	190794	51.339	ug/l	96
13) Acrolein	3.58	56	135686	192.286	ug/l	100
14) Allyl chloride	4.30	41	390899	52.121	ug/l	98
15) Acrylonitrile	4.96	53	627640	283.659	ug/l	100
16) Acetone	3.79	43	596200	265.820	ug/l	100
17) Carbon Disulfide	4.03	76	561582	47.273	ug/l	100
18) Methyl Acetate	4.30	43	323576	56.875	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	710951	53.574	ug/l	98
20) Methylene Chloride	4.53	84	230482	49.169	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	209603	50.421	ug/l	98
22) Diisopropyl ether	5.93	45	796426	54.616	ug/l	99
23) Vinyl Acetate	5.87	43	3420736	290.718	ug/l	100
24) 1,1-Dichloroethane	5.83	63	441349	53.142	ug/l	100
25) 2-Butanone	6.82	43	899593	277.495	ug/l	99
26) 2,2-Dichloropropane	6.80	77	359776	47.456	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	246442	50.838	ug/l	99
28) Bromochloromethane	7.18	49	153075	52.980	ug/l	96
29) Tetrahydrofuran	7.19	42	586698	280.050	ug/l	100
30) Chloroform	7.35	83	430264	51.565	ug/l	100
31) Cyclohexane	7.64	56	389873	49.063	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	379331	53.306	ug/l	99
36) 1,1-Dichloropropene	7.78	75	322377	51.585	ug/l	99
37) Ethyl Acetate	6.91	43	367615	58.164	ug/l	97
38) Carbon Tetrachloride	7.76	117	329632	54.120	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	370944	51.152	ug/l	99
40) Benzene	8.02	78	949108	52.880	ug/l	100
41) Methacrylonitrile	7.15	41	146504	49.518	ug/l #	38
42) 1,2-Dichloroethane	8.11	62	367790	53.337	ug/l	100
43) Isopropyl Acetate	8.15	43	590638	54.857	ug/l	100
44) Trichloroethene	8.82	130	232172	52.089	ug/l	98
45) 1,2-Dichloropropane	9.11	63	264011	54.947	ug/l	99
46) Dibromomethane	9.20	93	165562	54.348	ug/l	98
47) Bromodichloromethane	9.39	83	343855	55.431	ug/l	99
48) Methyl methacrylate	9.19	41	276438	56.640	ug/l	100
49) 1,4-Dioxane	9.19	88	88495	1172.045	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1859459	307.509	ug/l	100
52) Toluene	10.15	92	579229	52.764	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	392654	55.188	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	413086	54.683	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	234892	52.279	ug/l	99
56) Ethyl methacrylate	10.43	69	374253	57.016	ug/l	99
57) 1,3-Dichloropropane	10.71	76	414707	54.164	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	871457	275.485	ug/l	99
59) 2-Hexanone	10.75	43	1396017	298.739	ug/l	99
60) Dibromochloromethane	10.90	129	259524	55.993	ug/l	100
61) 1,2-Dibromoethane	11.00	107	242240	53.815	ug/l	100
64) Tetrachloroethene	10.63	164	204177	50.910	ug/l	97
65) Chlorobenzene	11.43	112	621526	53.405	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	232737	54.082	ug/l	99
67) Ethyl Benzene	11.51	91	1143803	55.135	ug/l	100
68) m/p-Xylenes	11.62	106	848235	108.954	ug/l	99
69) o-Xylene	11.95	106	402126	53.387	ug/l	100
70) Styrene	11.97	104	681625	55.212	ug/l	99
71) Bromoform	12.13	173	183045	58.030	ug/l	99
73) Isopropylbenzene	12.25	105	1118056	55.033	ug/l	99
74) N-amyl acetate	12.07	43	524625	57.495	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	370105	55.299	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	340653m	55.354	ug/l	
77) Bromobenzene	12.53	156	260906	52.798	ug/l	99
78) n-propylbenzene	12.60	91	1331205	56.231	ug/l	99
79) 2-Chlorotoluene	12.68	91	778907	53.010	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	956519	55.147	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	128192	55.798	ug/l	99
82) 4-Chlorotoluene	12.78	91	817401	54.211	ug/l	100
83) tert-Butylbenzene	13.00	119	807360	54.335	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	967980	56.216	ug/l	100
85) sec-Butylbenzene	13.18	105	1108498	56.617	ug/l	99
86) p-Isopropyltoluene	13.29	119	993770	55.847	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	479953	52.665	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	474761	51.238	ug/l	99
89) n-Butylbenzene	13.62	91	897549	54.549	ug/l	99
90) Hexachloroethane	13.88	117	182249	57.239	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	478240	53.843	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	82353	52.670	ug/l	96

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VSTDCCC050EC

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QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	281038	51.869	ug/l	99
94) Hexachlorobutadiene	15.02	225	145111	50.857	ug/l	97
95) Naphthalene	15.13	128	823046	52.855	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	271211	51.269	ug/l	100

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

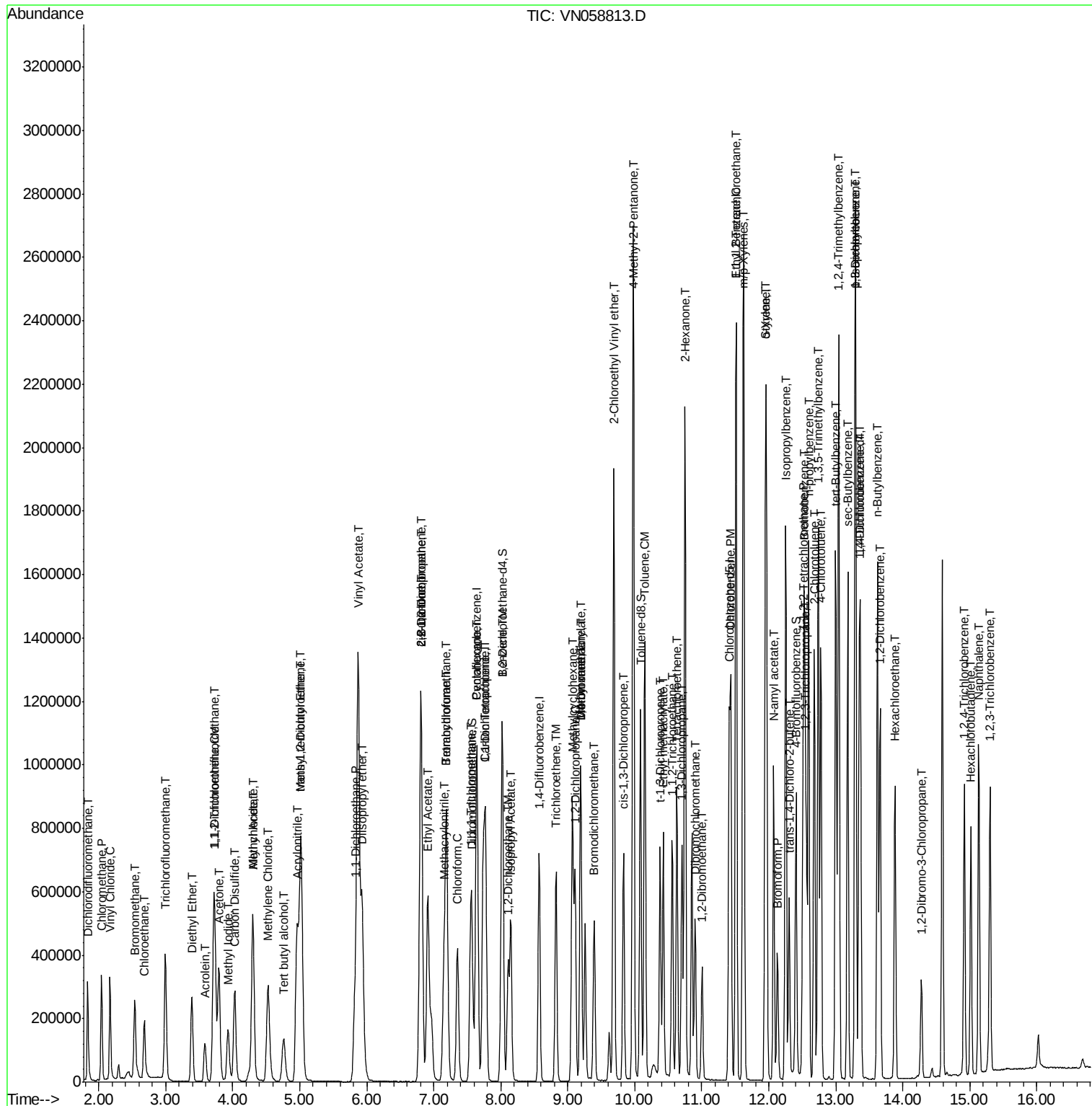
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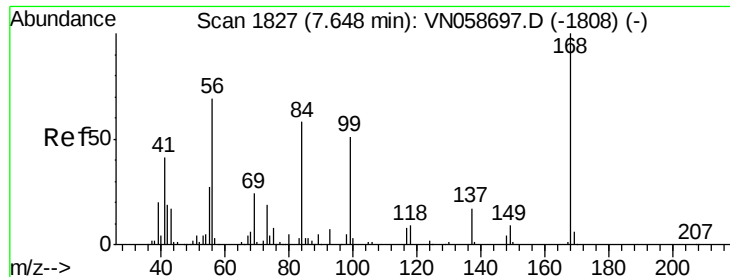
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 386979

Ion Ratio Lower Upper

168 100

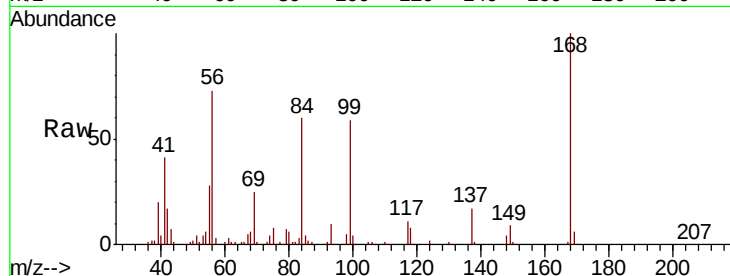
99 58.8 47.5 71.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

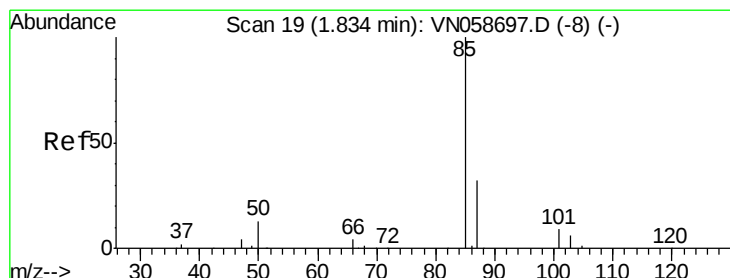
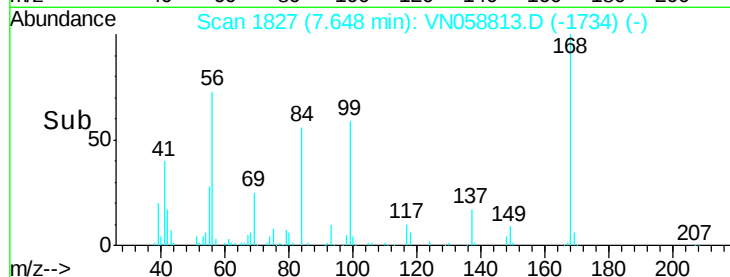
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 51.512 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058813.D

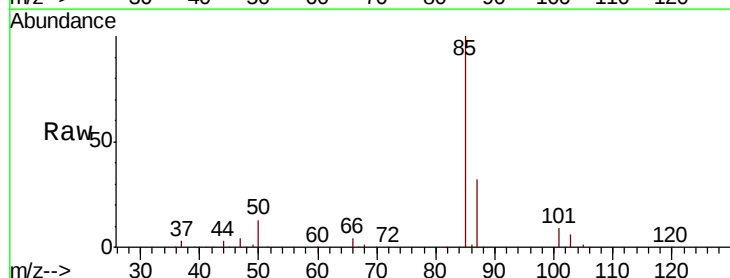
Acq: 16 Oct 2019 19:30

Tgt Ion: 85 Resp: 248267

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

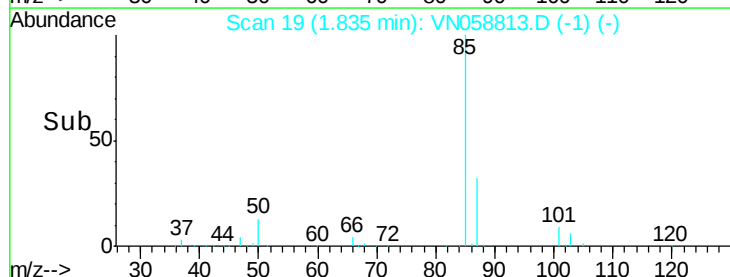
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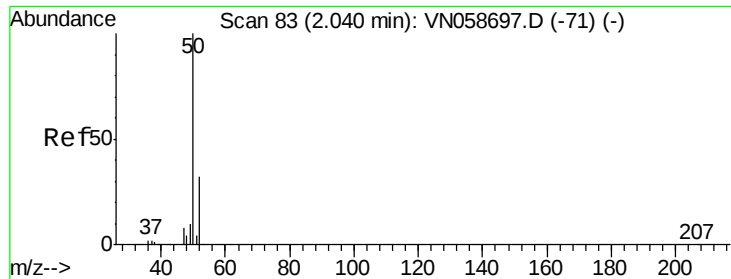
50000

0

1.80 1.90

Time-->





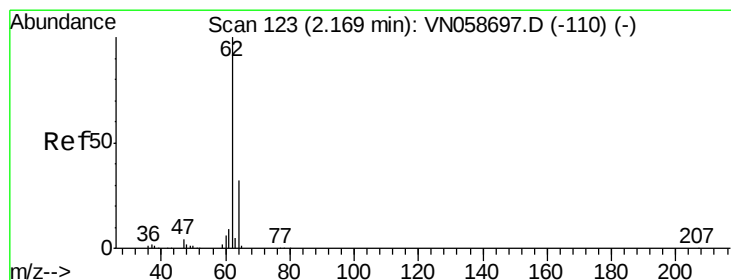
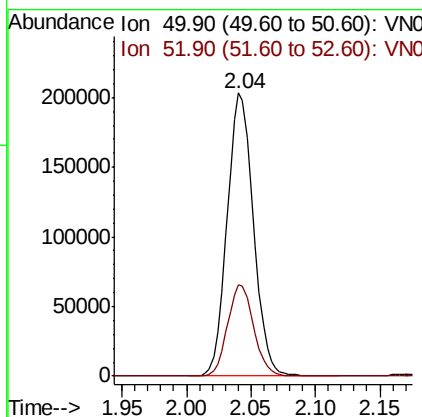
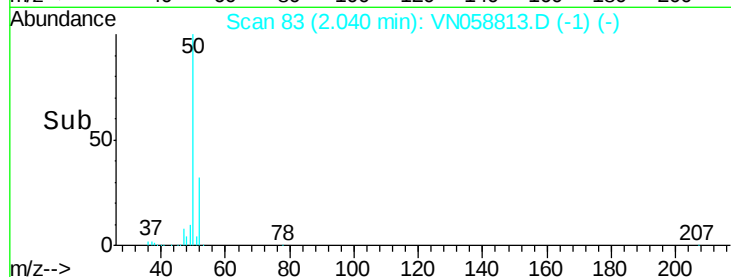
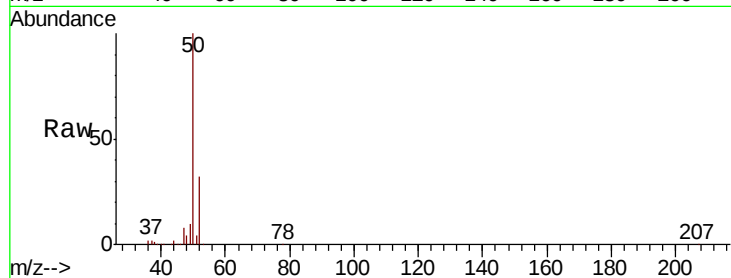
#3
Chloromethane
Concen: 50.173 ug/l
RT: 2.04 min Scan# 83
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.8	38.6

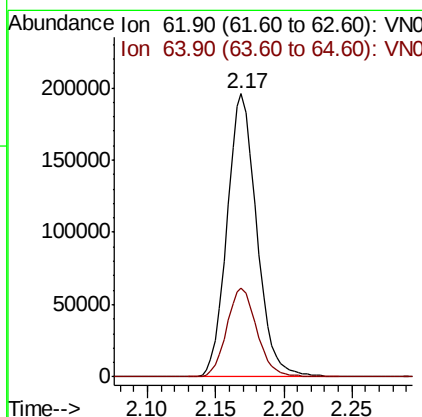
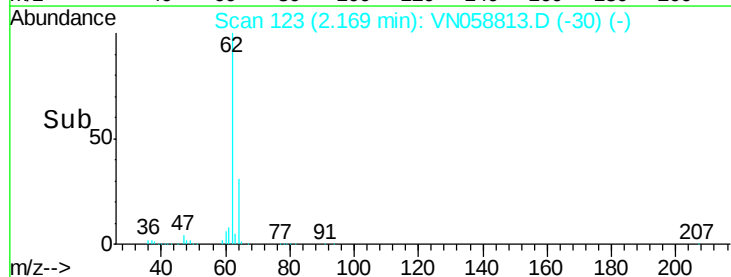
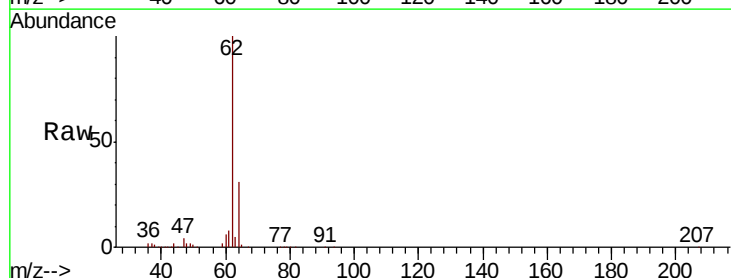
Manual Integrations
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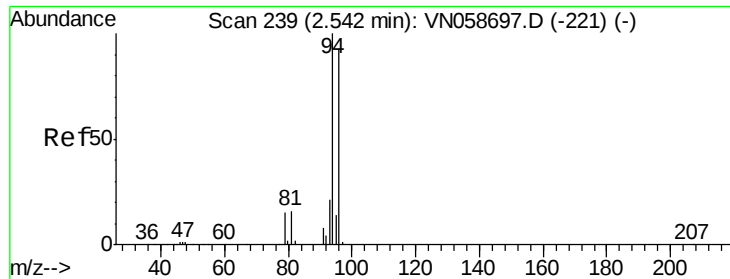
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10/18/2019 12:51:32 AM



#4
Vinyl Chloride
Concen: 51.911 ug/l
RT: 2.17 min Scan# 123
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.3	37.9





#5

Bromomethane

Concen: 52.014 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 180611

Ion Ratio Lower Upper

94 100

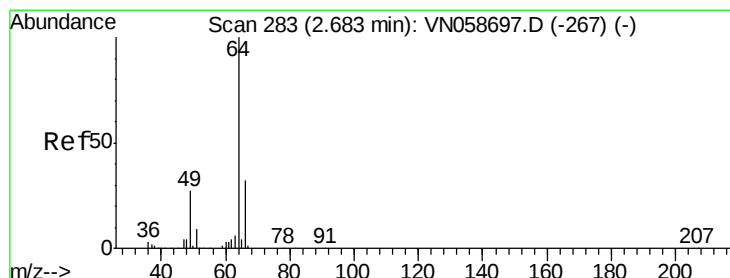
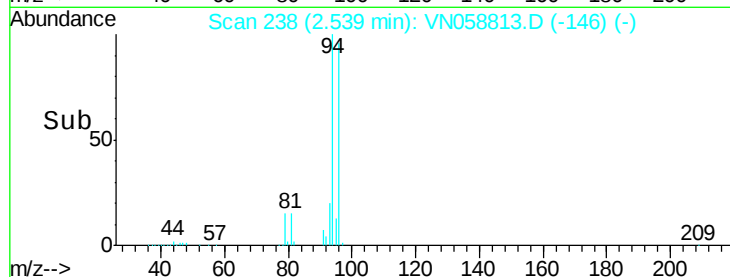
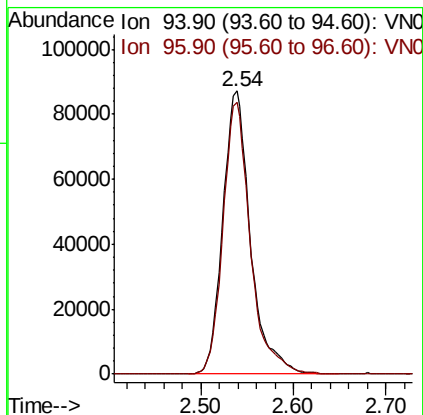
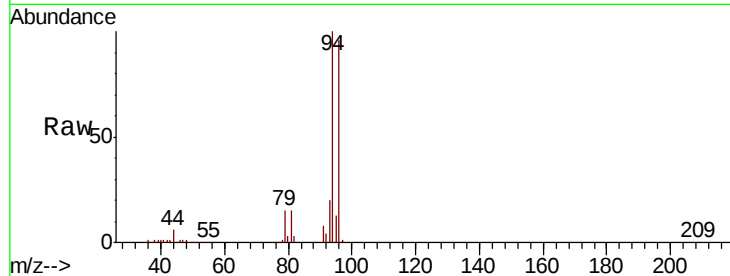
96 96.1 74.5 111.7

Manual Integrations

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10/18/2019 12:51:32 AM



#6

Chloroethane

Concen: 52.985 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058813.D

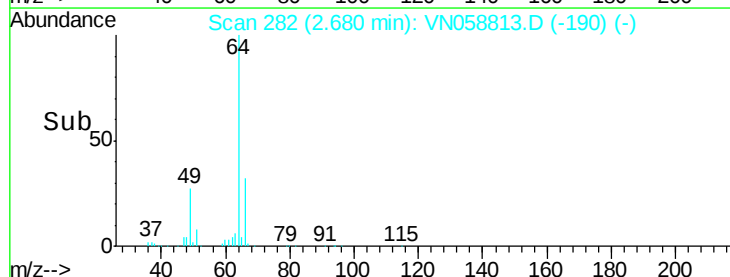
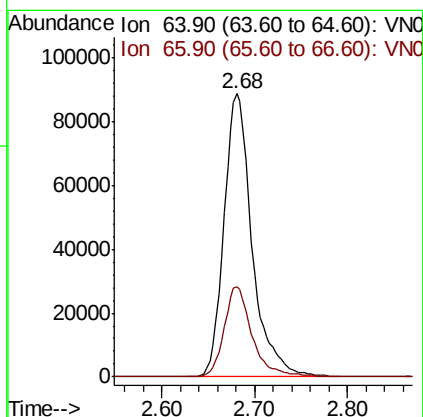
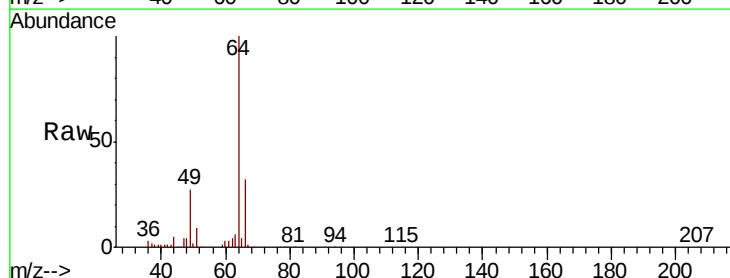
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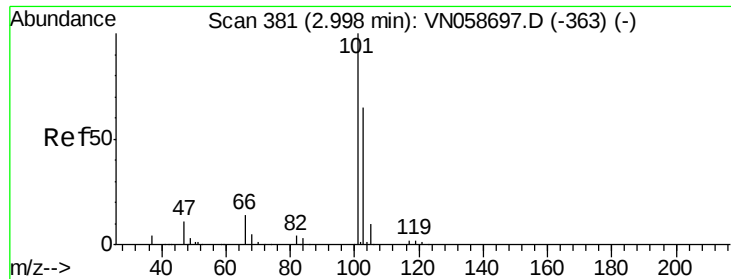
Tgt Ion: 64 Resp: 186551

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.2





#7

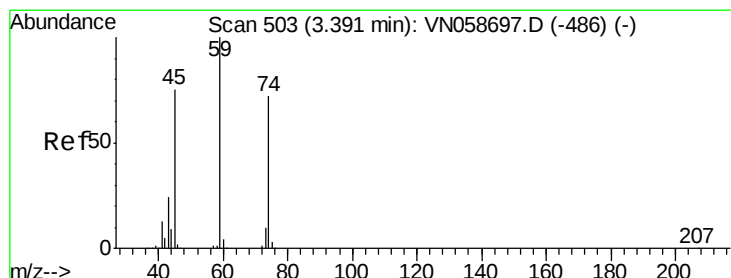
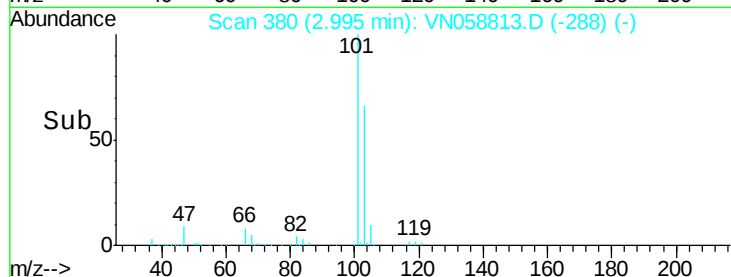
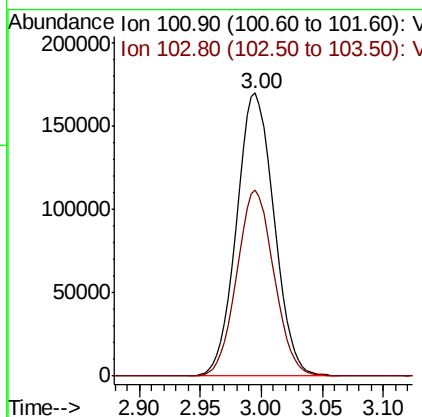
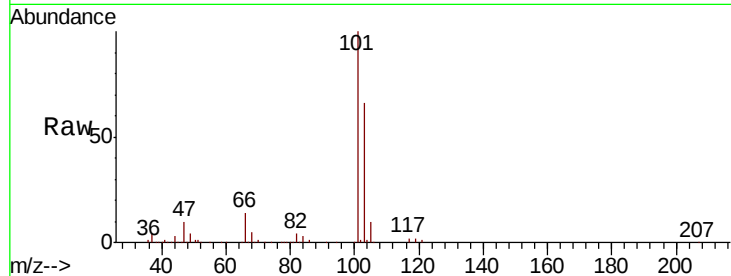
Trichlorofluoromethane
 Concen: 52.976 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.8	77.6

Manual Integrations
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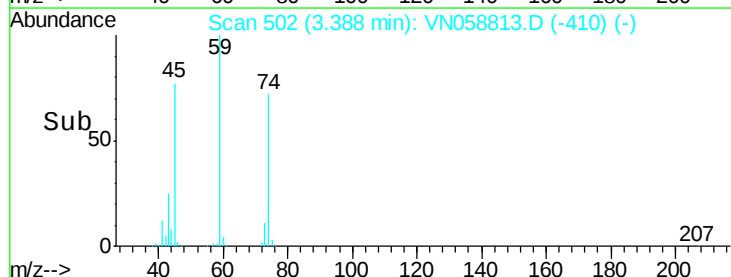
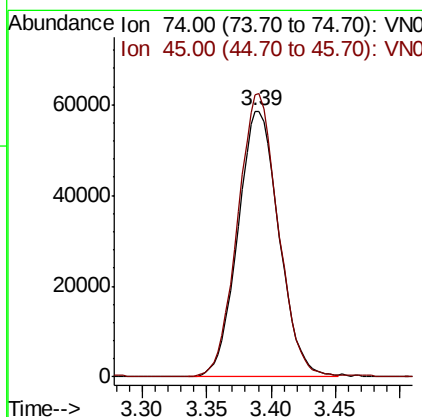
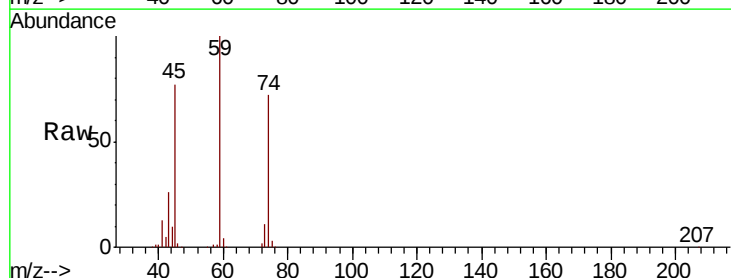
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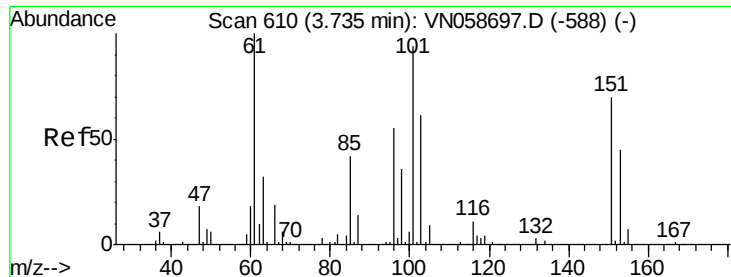


#8

Diethyl Ether
 Concen: 51.655 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.8	51.3	154.0





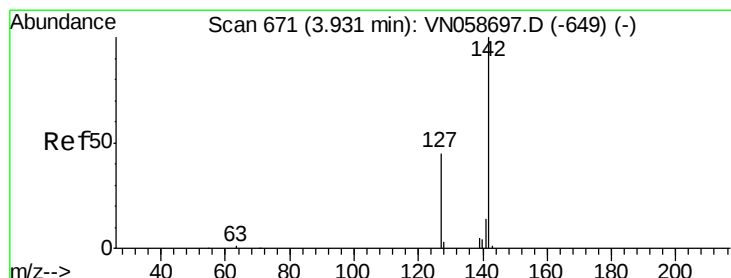
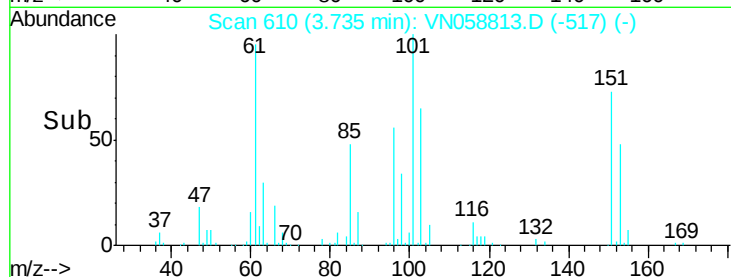
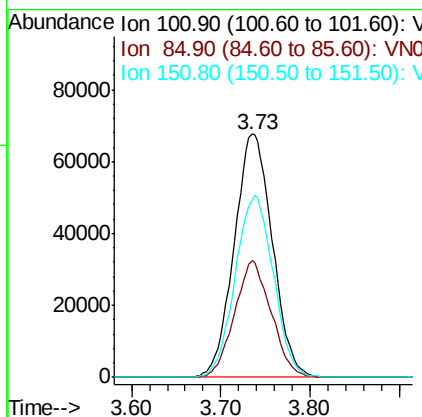
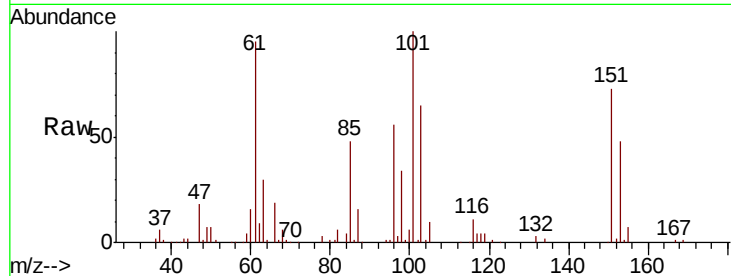
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.507 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	200625		
85	46.1		37.0	55.6
151	74.8		61.8	92.6

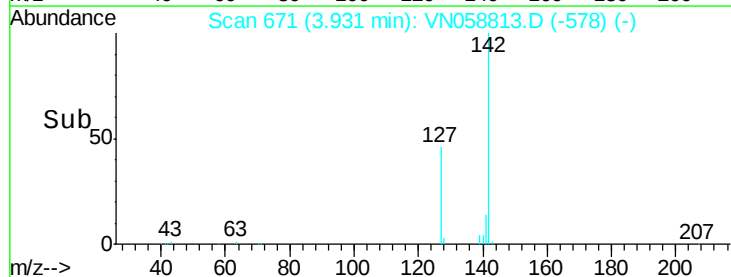
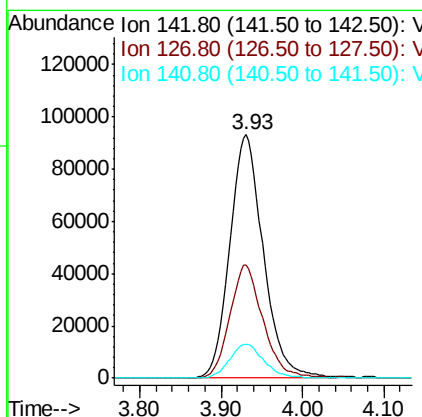
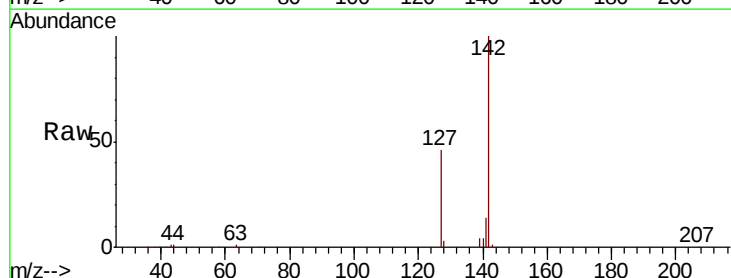
Manual Integrations
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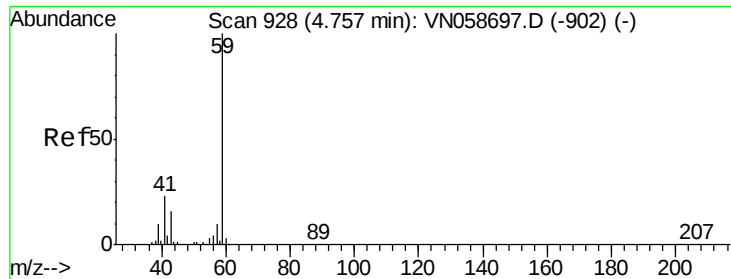
MMDadoda
 10/18/2019 12:51:32 AM



#10
 Methyl Iodide
 Concen: 50.335 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	267547		
127	45.9		36.4	54.6
141	14.2		11.1	16.7





#11

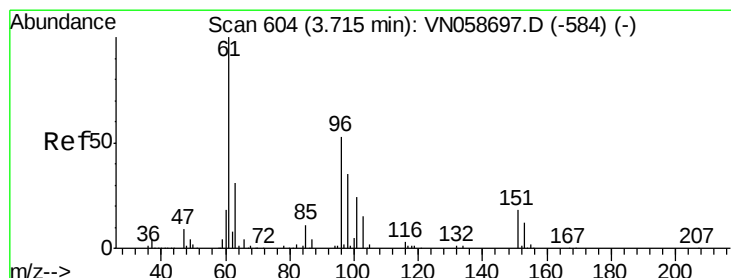
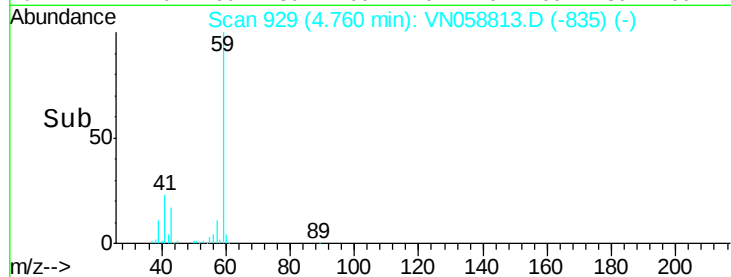
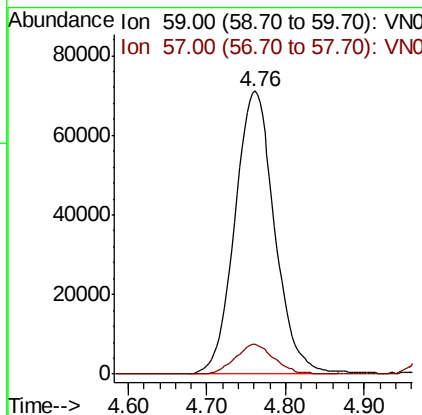
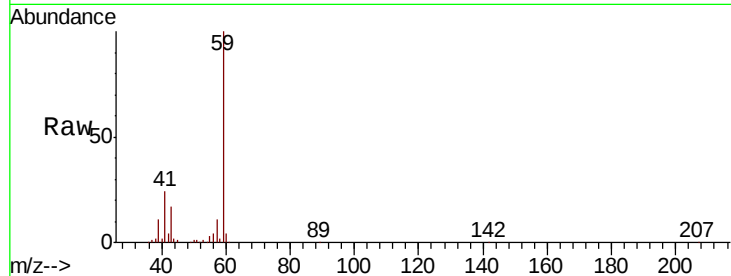
Tert butyl alcohol
 Concen: 286.927 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	251749
Ion Ratio	Lower	Upper	
59	100		
57	10.2	8.4	12.6

Manual Integrations
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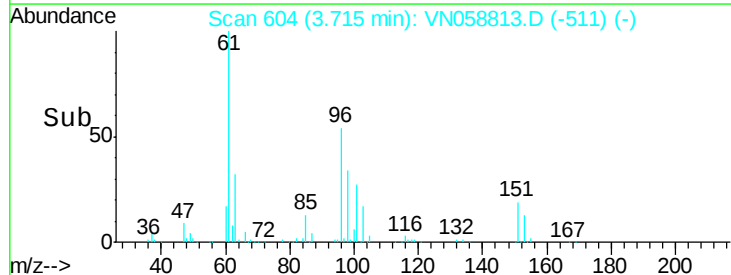
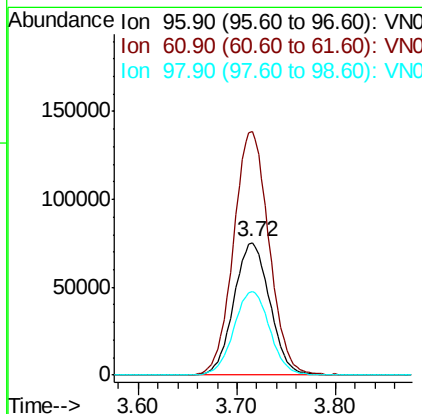
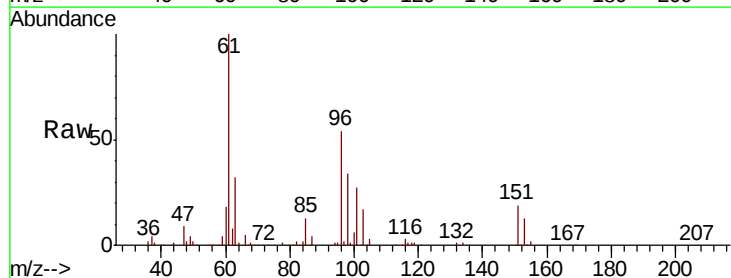
MMDadoda
 10/18/2019 12:51:32 AM

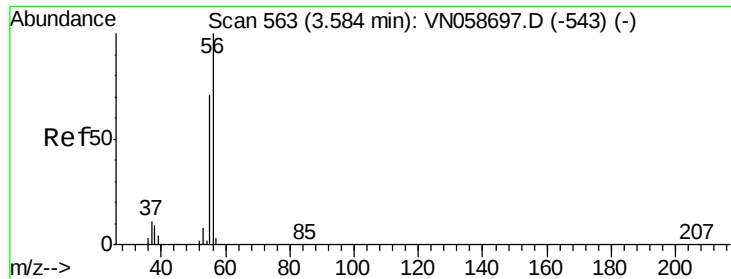


#12

1,1-Dichloroethene
 Concen: 51.339 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Tgt Ion	96	Resp	190794
Ion Ratio	Lower	Upper	
96	100		
61	183.7	151.3	226.9
98	62.8	52.6	78.8





#13

Acrolein

Concen: 192.286 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 135686

Ion Ratio Lower Upper

56 100

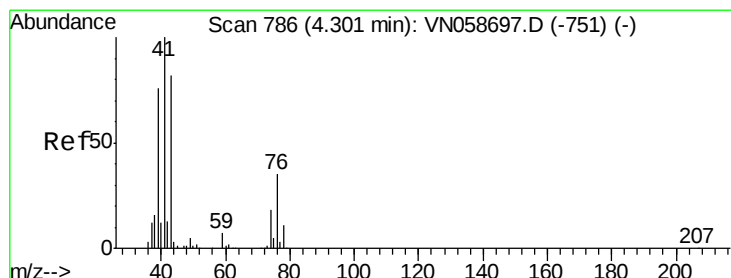
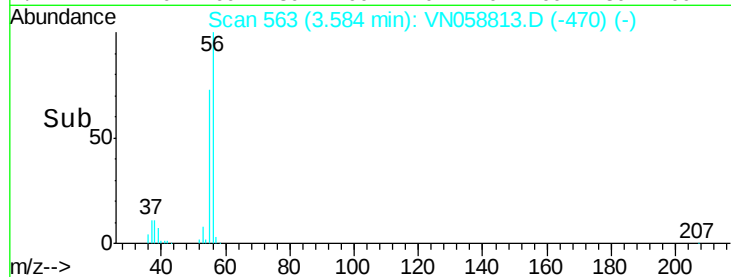
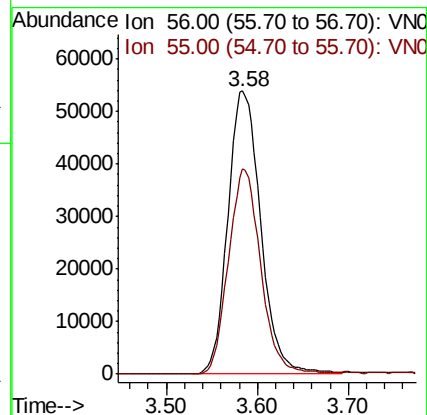
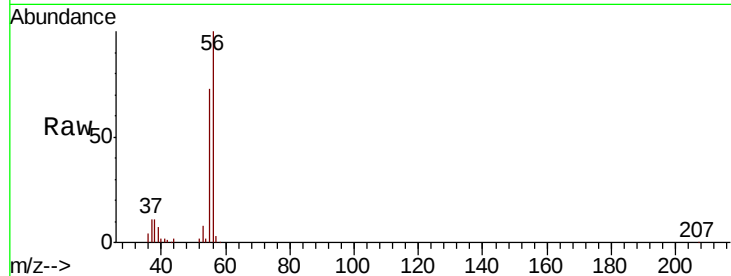
55 70.9 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 52.121 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

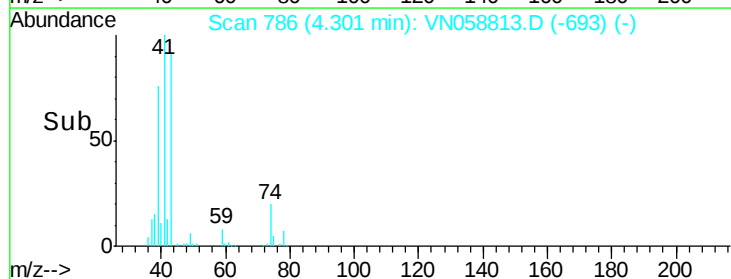
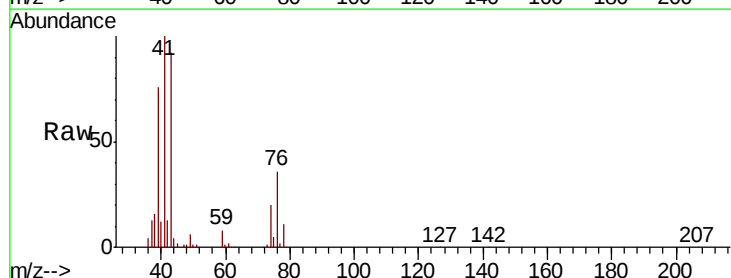
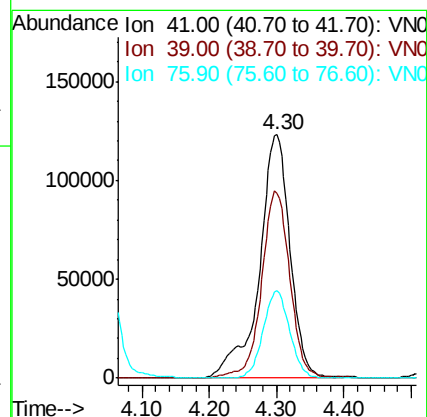
Tgt Ion: 41 Resp: 390899

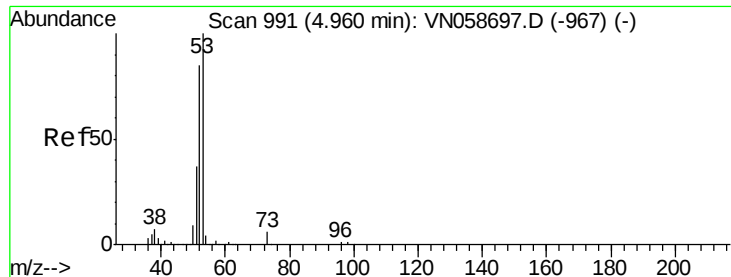
Ion Ratio Lower Upper

41 100

39 69.7 57.2 85.8

76 30.6 25.0 37.6





#15

Acrylonitrile

Concen: 283.659 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

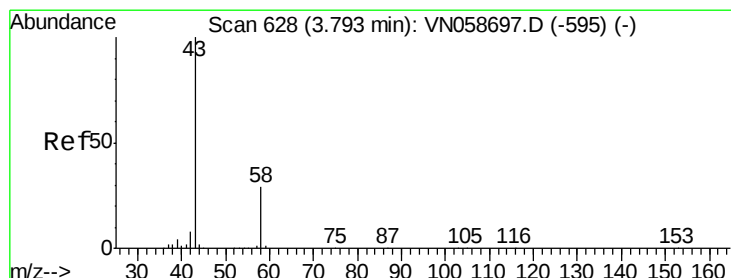
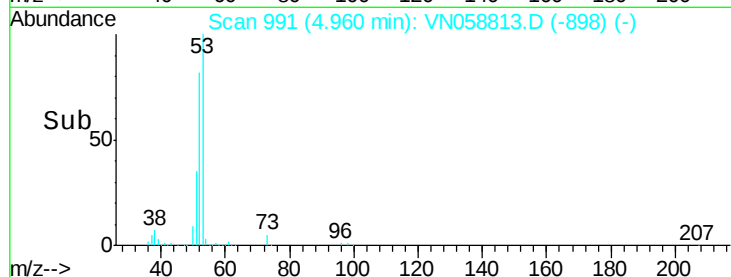
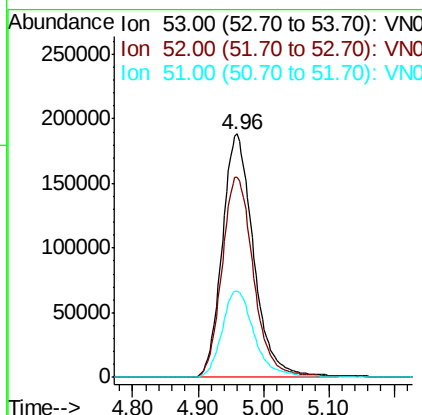
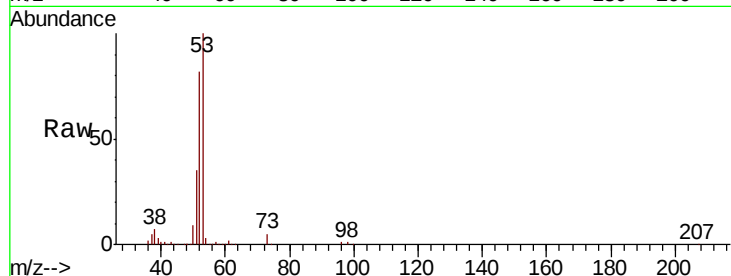
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	627640
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.2	99.2
51	36.7	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 265.820 ug/l

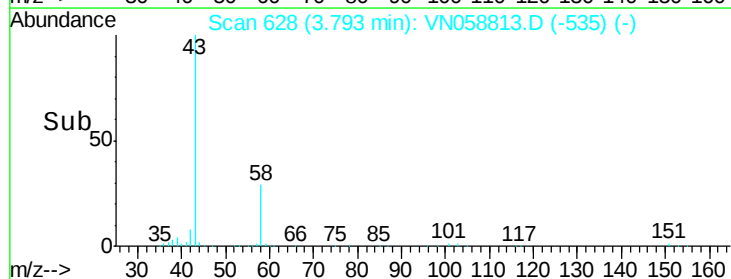
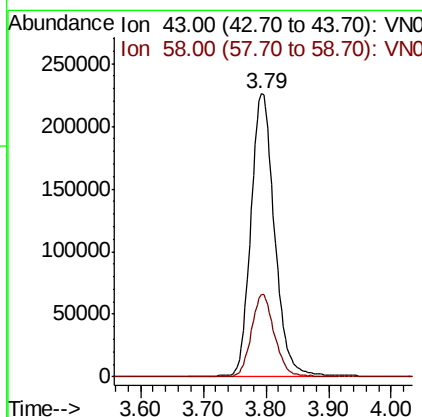
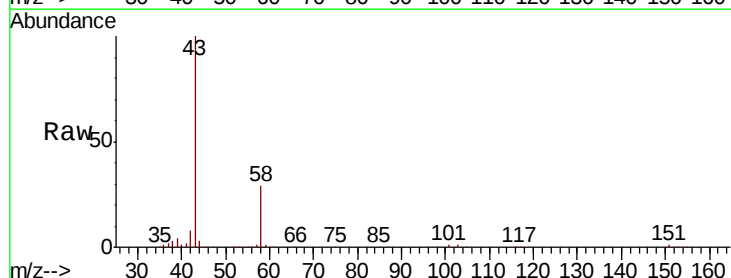
RT: 3.79 min Scan# 628

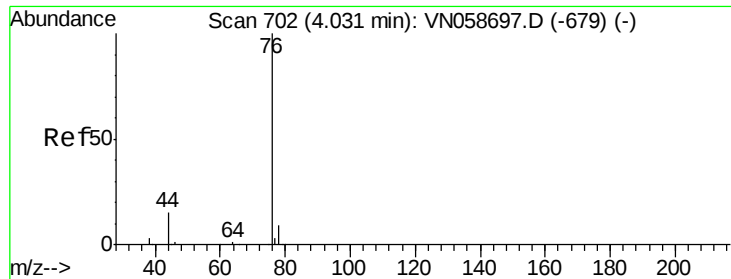
Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion:	43	Resp:	596200
Ion Ratio		Lower	Upper
43	100		
58	29.0	23.3	34.9





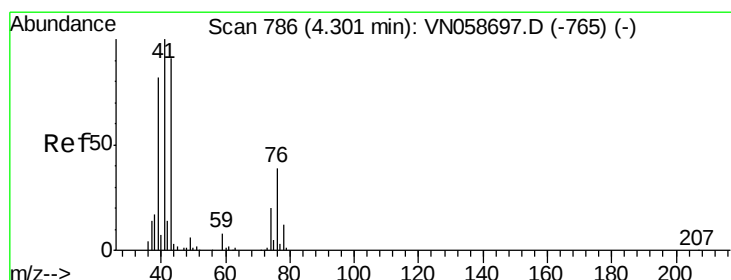
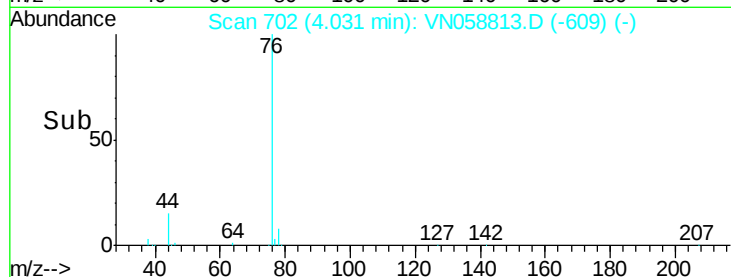
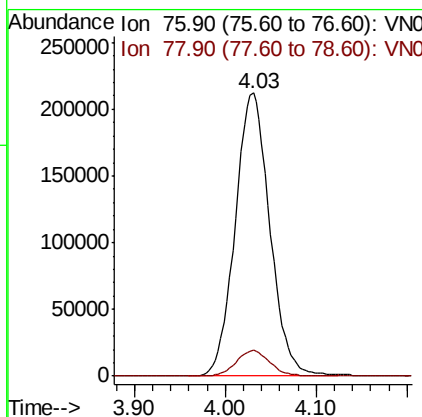
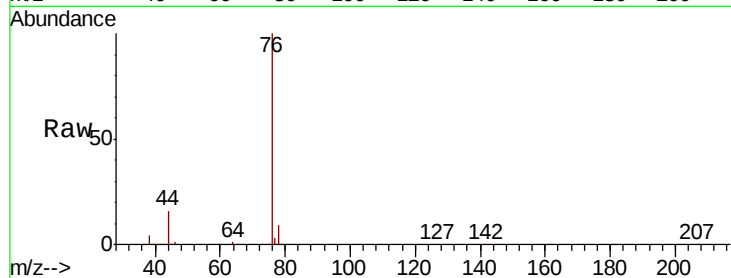
#17
Carbon Disulfide
Concen: 47.273 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

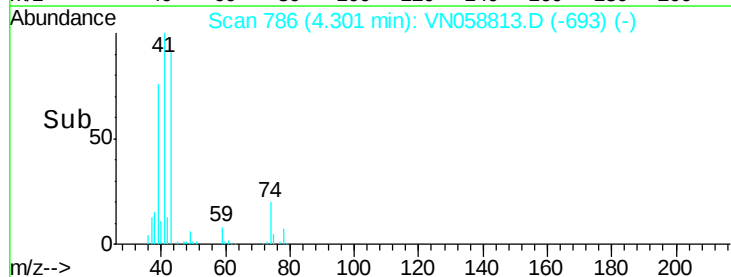
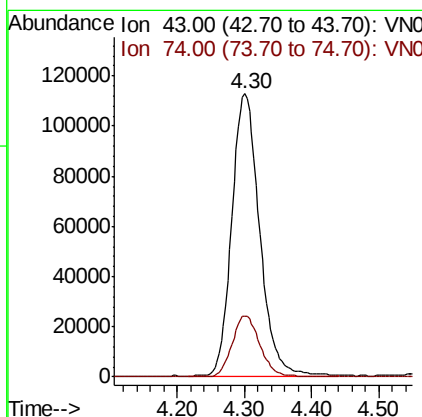
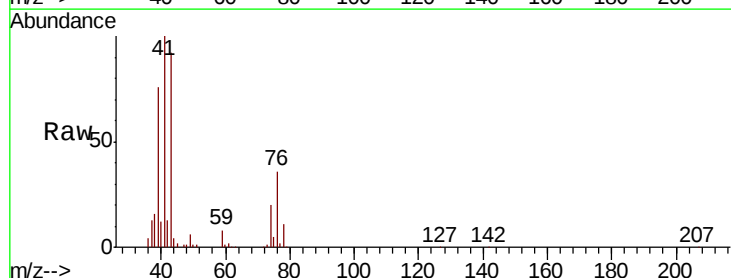
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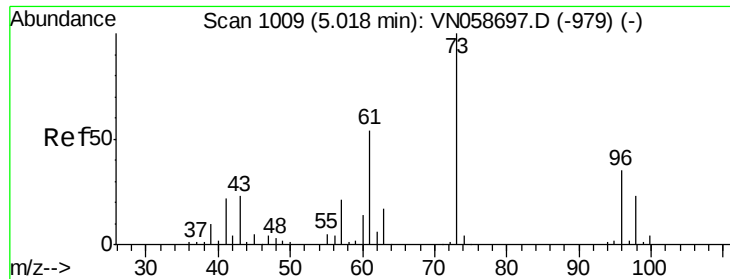
MMDadoda
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#18
Methyl Acetate
Concen: 56.875 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.2	25.8





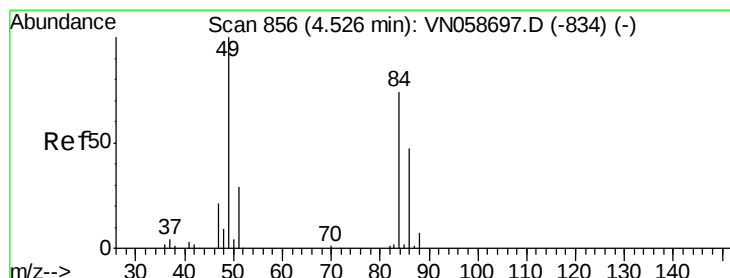
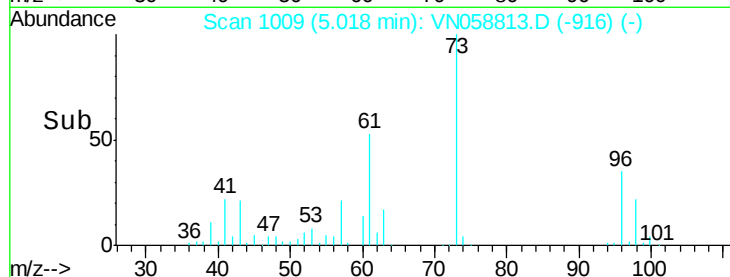
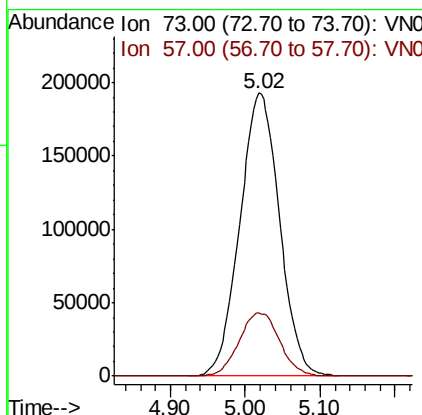
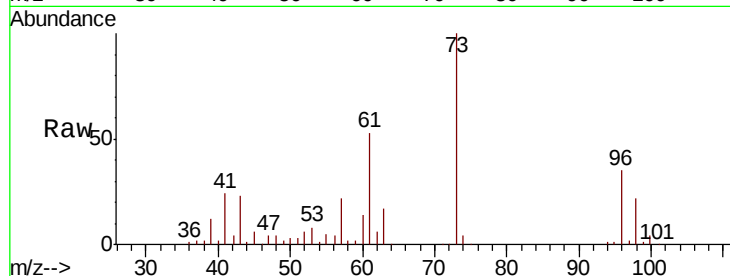
#19
Methvl tert-butvl Ether
Concen: 53.574 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 710951
Ion Ratio Lower Upper
73 100
57 22.2 17.0 25.6

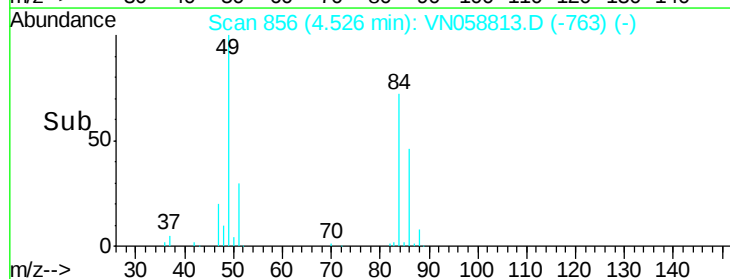
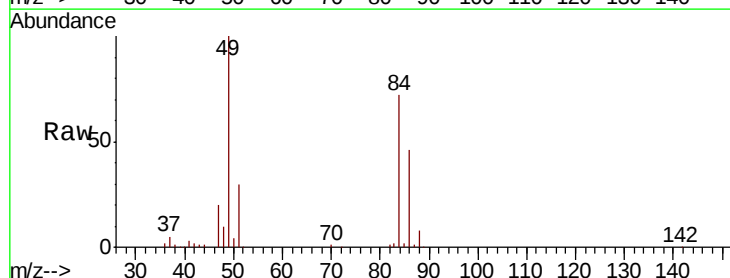
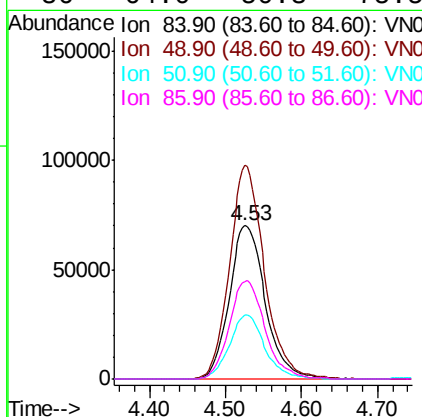
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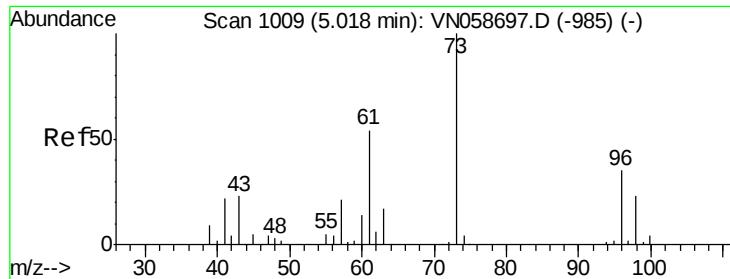
MMDadoda
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#20
Methylene Chloride
Concen: 49.169 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion: 84 Resp: 230482
Ion Ratio Lower Upper
84 100
49 139.6 107.6 161.4
51 41.5 31.4 47.0
86 64.0 50.3 75.5





#21

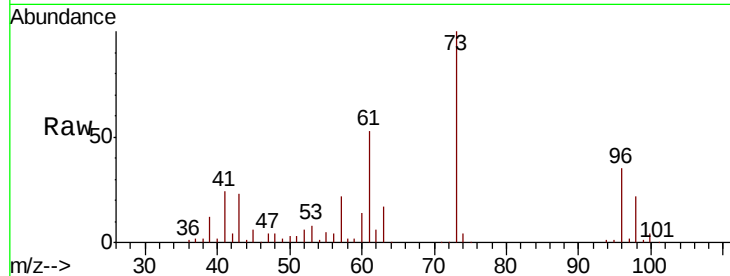
trans-1,2-Dichloroethene
Concen: 50.421 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.7	123.6	185.4
98	63.6	52.1	78.1

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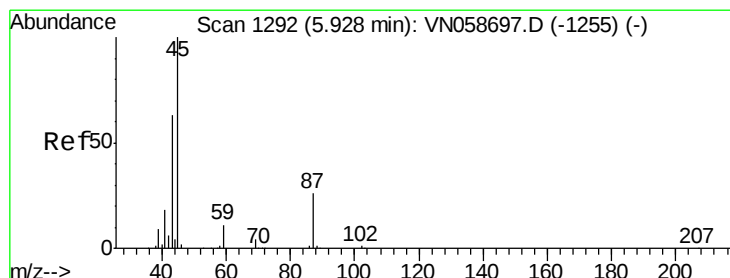
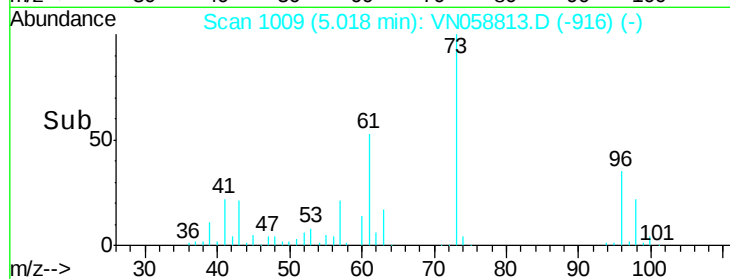
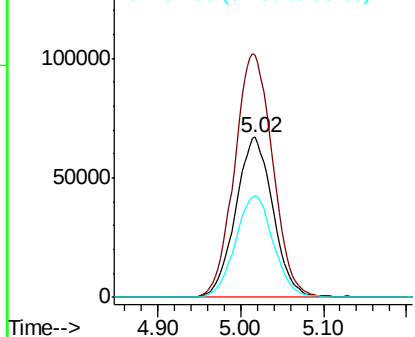


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether
Concen: 54.616 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.4	50.6	75.8
87	25.1	21.1	31.7
59	11.3	9.0	13.4

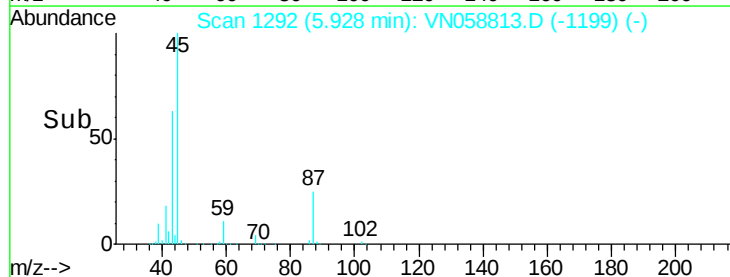
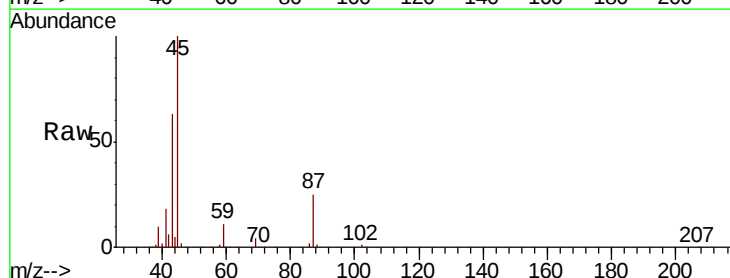
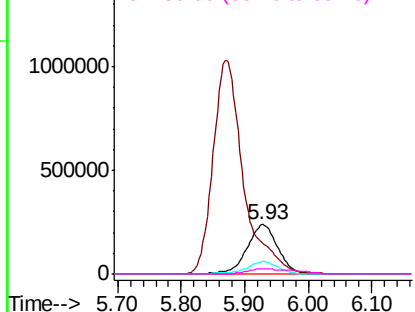
Abundance

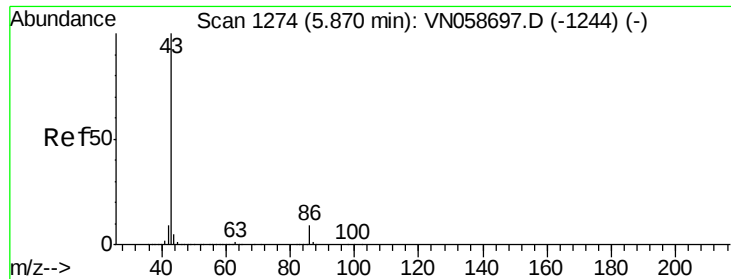
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





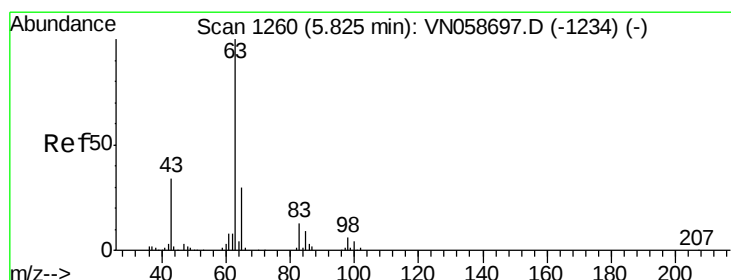
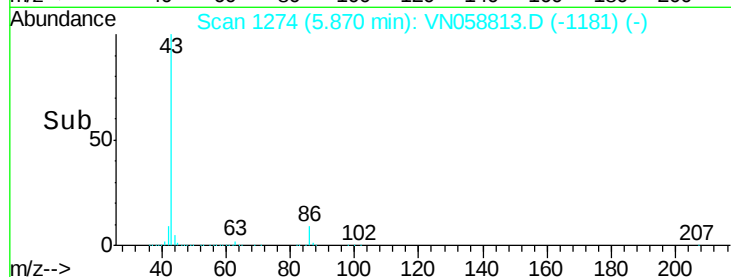
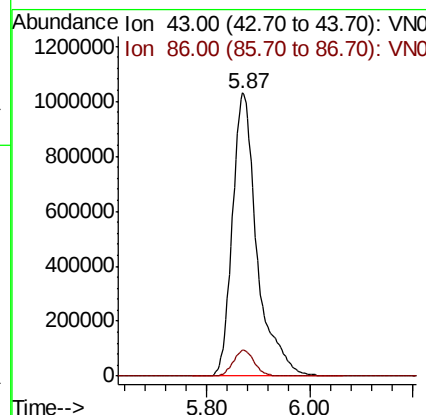
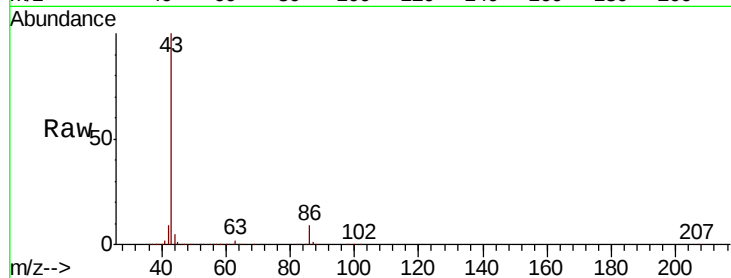
#23
 Vinyl Acetate
 Concen: 290.718 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3420736
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.0

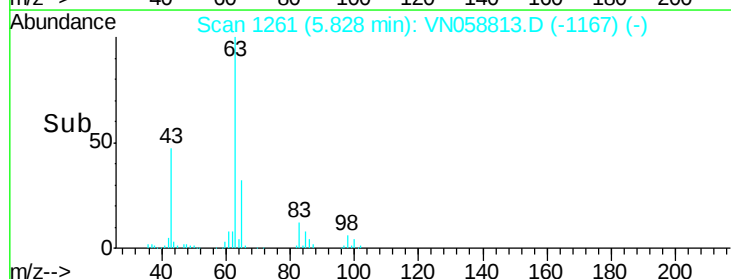
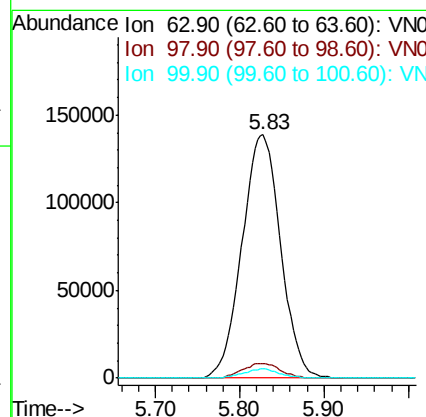
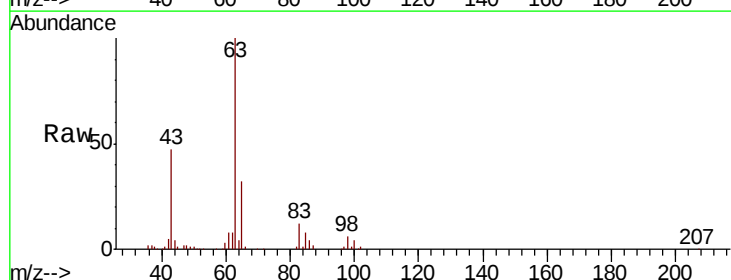
Manual Integrations
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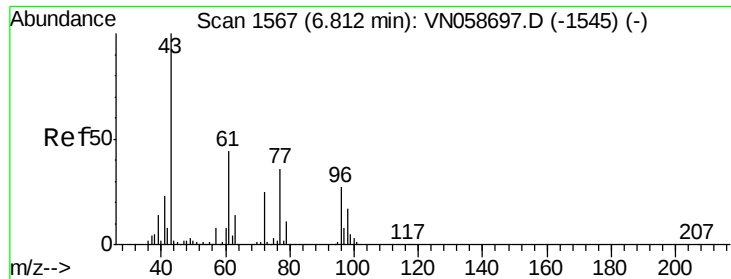
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 53.142 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Tgt Ion: 63 Resp: 441349
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.6
 100 3.8 1.8 5.5





#25

2-Butanone

Concen: 277.495 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 899593

Ion Ratio Lower Upper

43 100

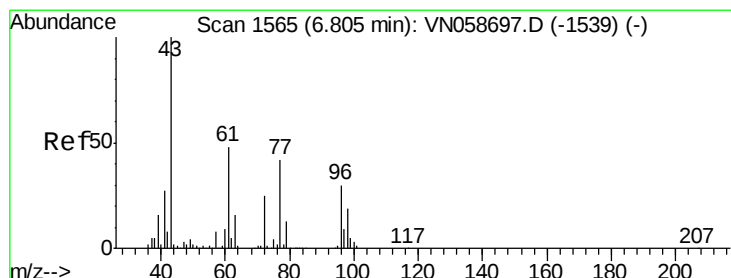
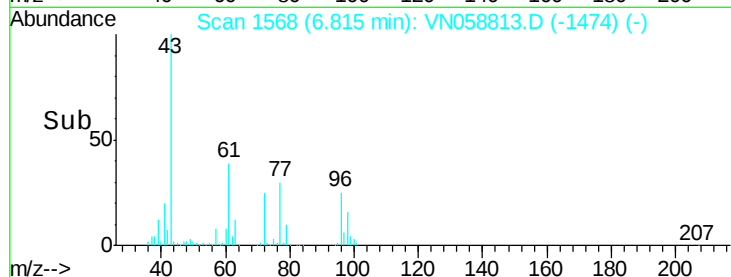
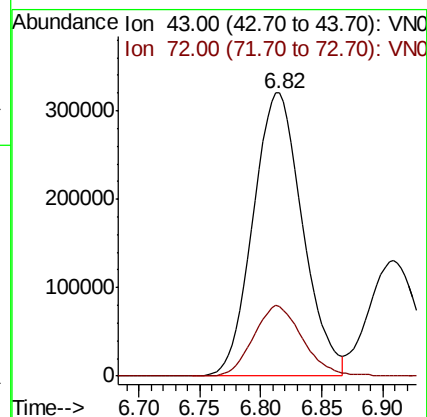
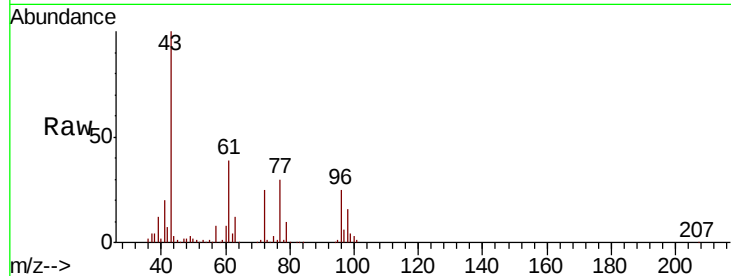
72 24.8 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 47.456 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058813.D

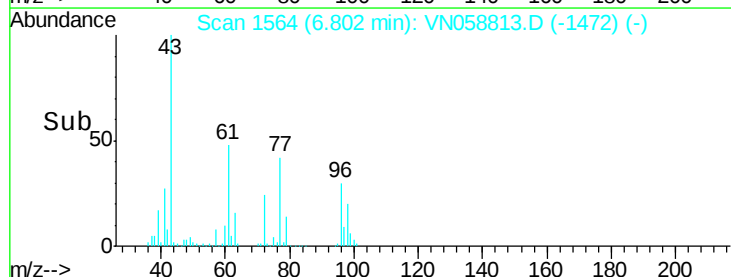
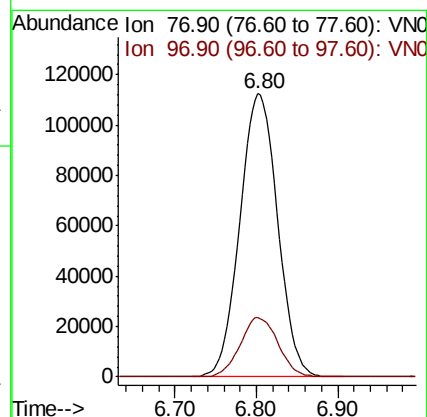
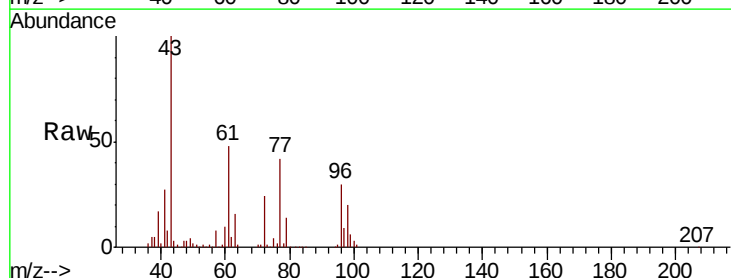
Acq: 16 Oct 2019 19:30

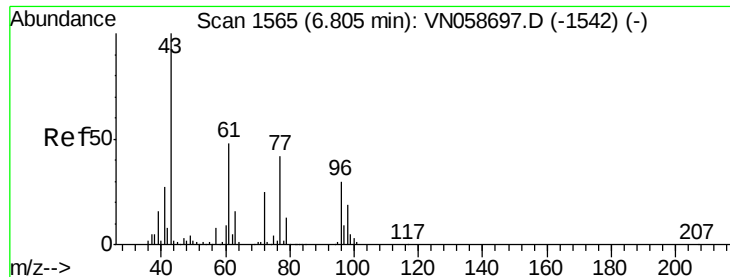
Tgt Ion: 77 Resp: 359776

Ion Ratio Lower Upper

77 100

97 21.0 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.838 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

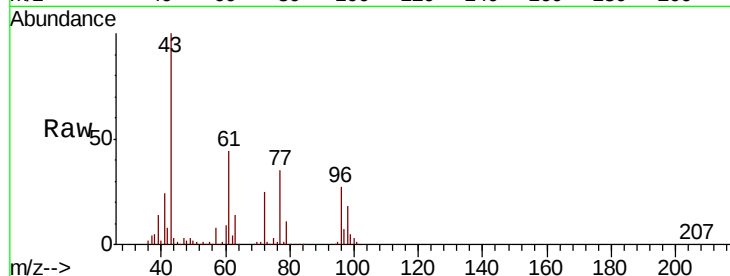
ClientSampleId :

VSTDCCC050EC

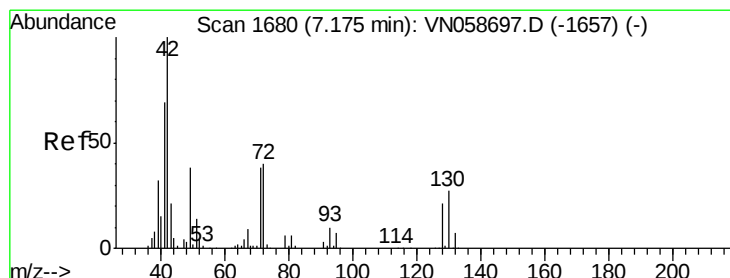
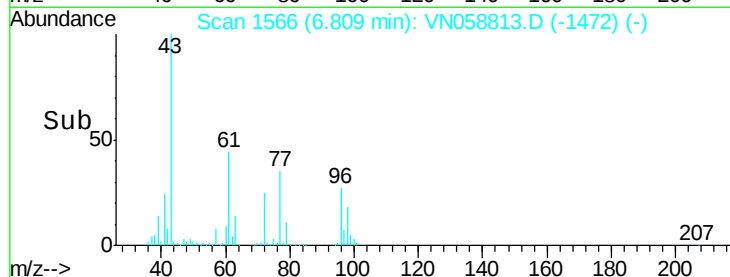
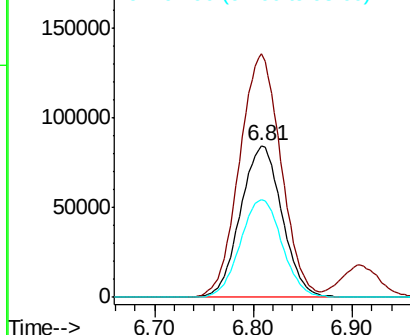
Tot Ion:	96	Resp:	246442
Ion Ratio	Lower	Upper	
96	100		
61	161.0	0.0	324.8
98	64.8	0.0	129.2

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Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#28

Bromochloromethane

Concen: 52.980 ug/l

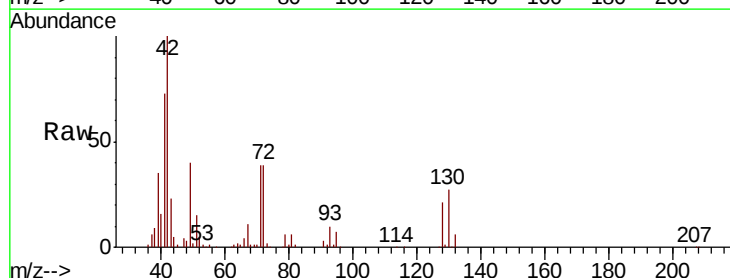
RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

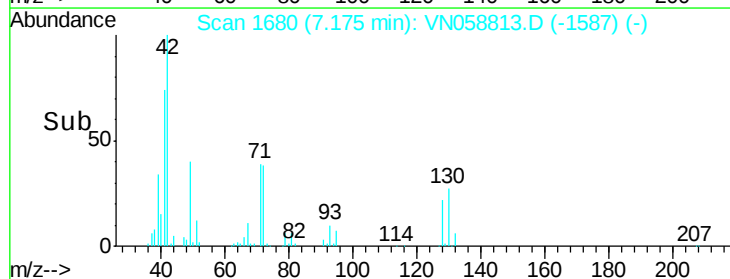
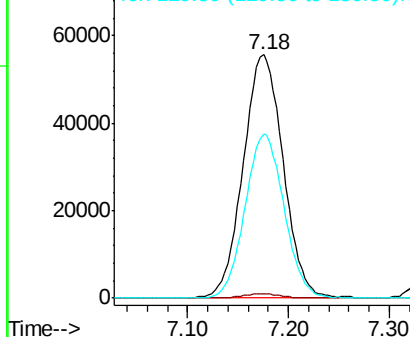
Lab File: VN058813.D

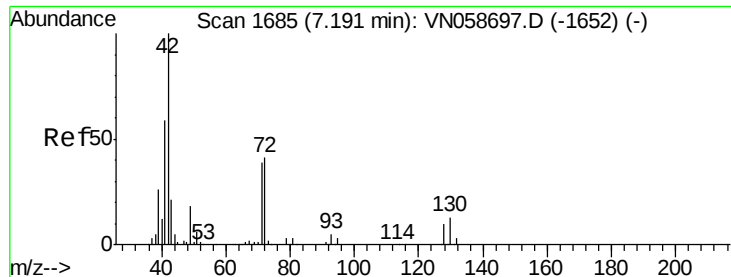
Acq: 16 Oct 2019 19:30

Tgt Ion:	49	Resp:	153075
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.6
130	65.7	55.0	82.4



Abundance Ion 48.90 (48.60 to 49.60): VNO
Ion 128.80 (128.50 to 129.50): VNO
Ion 129.80 (129.50 to 130.50): VNO





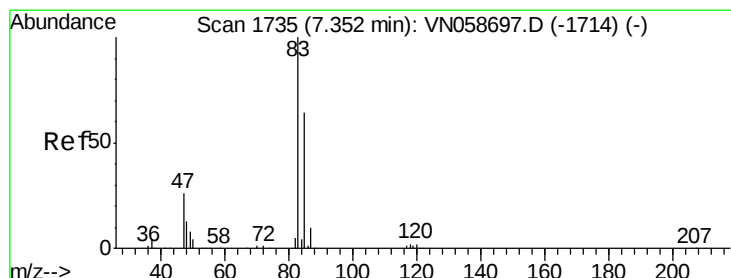
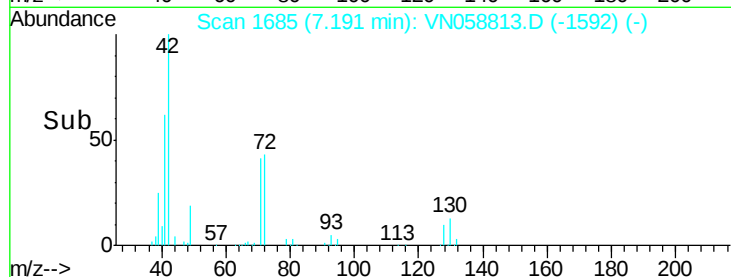
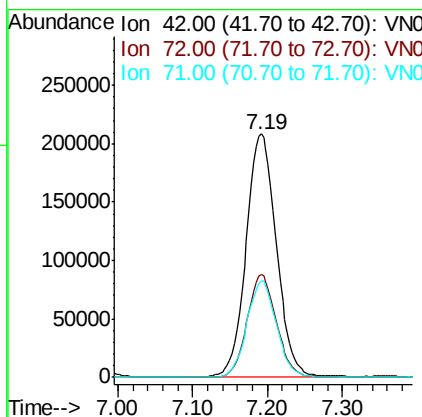
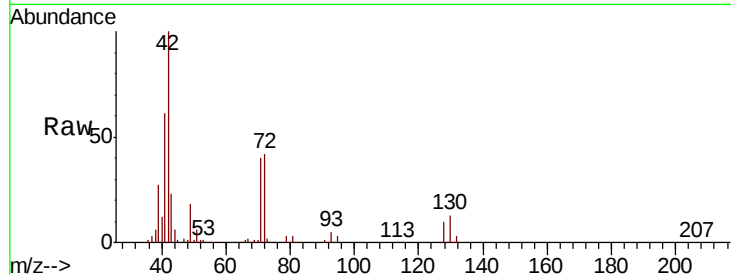
#29
Tetrahydrofuran
Concen: 280.050 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.8	49.2
71	38.6	31.1	46.7

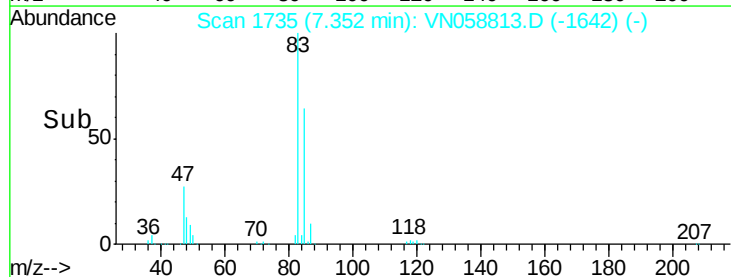
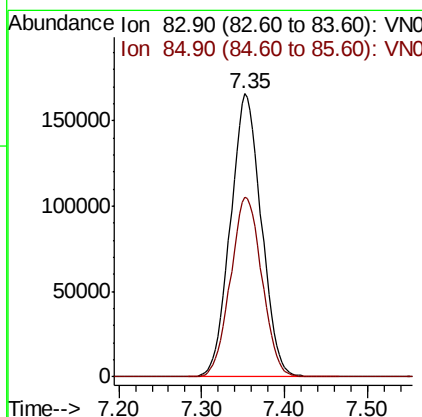
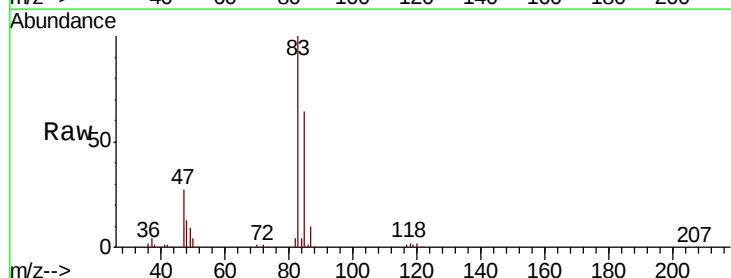
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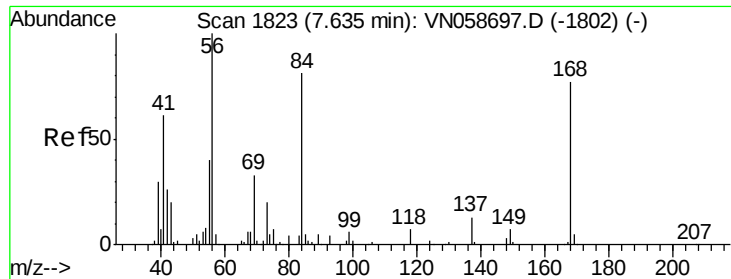
MMDadoda
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#30
Chloroform
Concen: 51.565 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.6





#31

Cyclohexane

Concen: 49.063 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 389873

Ion Ratio Lower Upper

56 100

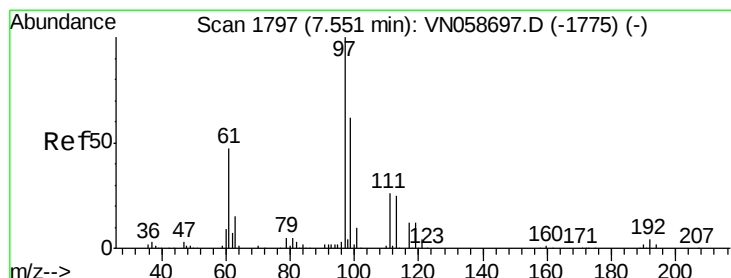
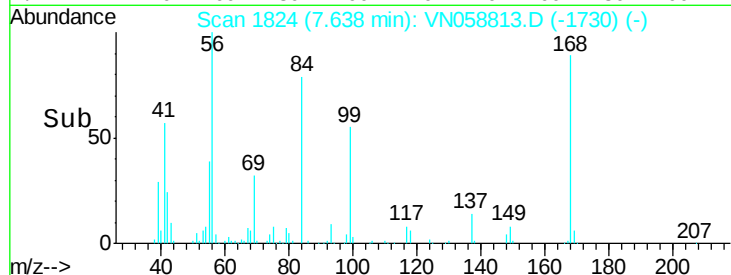
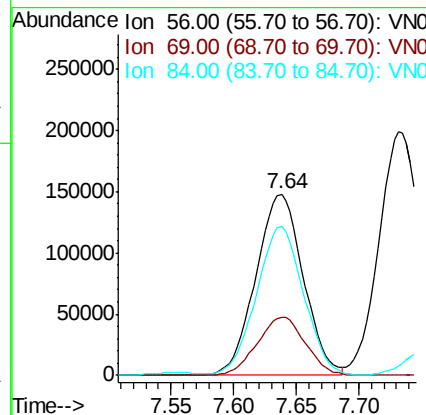
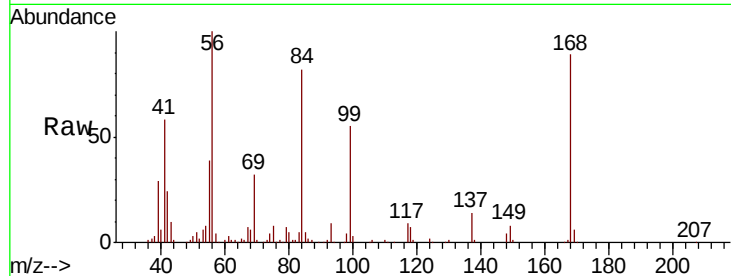
69 32.2 26.2 39.4

84 81.0 64.9 97.3

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#32

1,1,1-Trichloroethane

Concen: 53.306 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

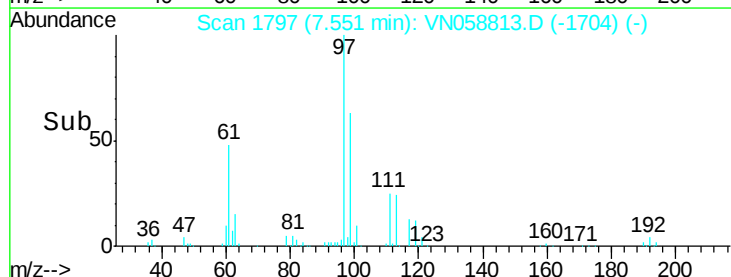
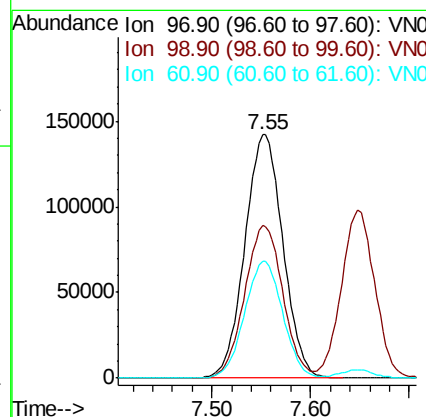
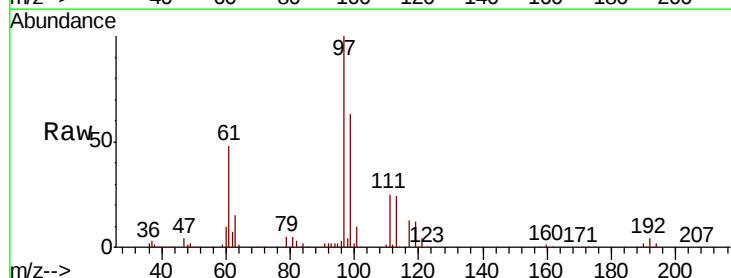
Tgt Ion: 97 Resp: 379331

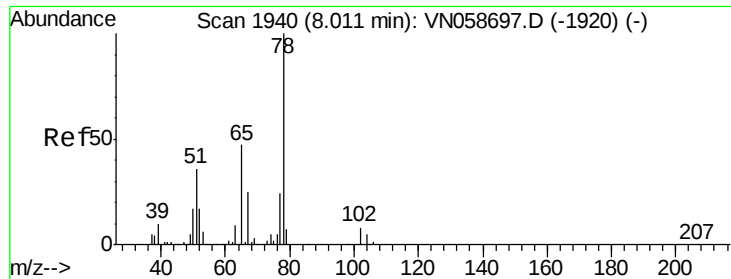
Ion Ratio Lower Upper

97 100

99 63.0 50.8 76.2

61 48.0 38.1 57.1





#33

1,2-Dichloroethane-d4

Concen: 51.809 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 280685

Ion Ratio Lower Upper

65 100

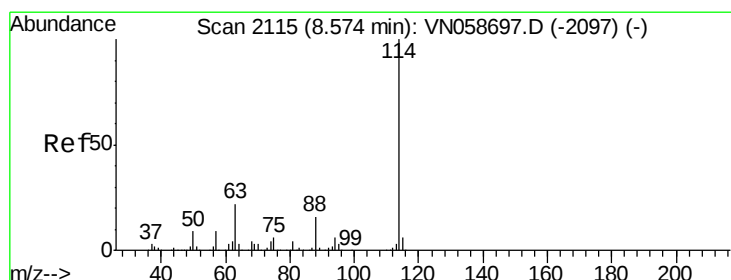
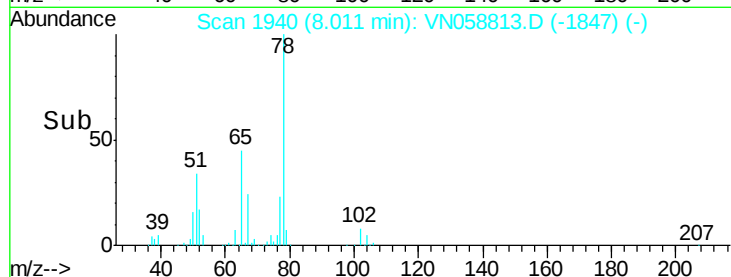
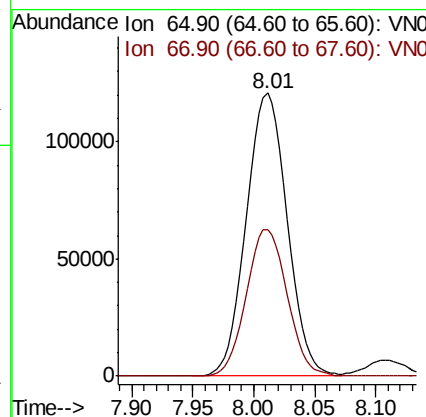
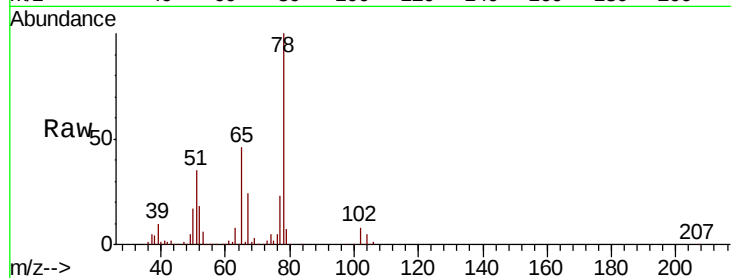
67 51.6 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

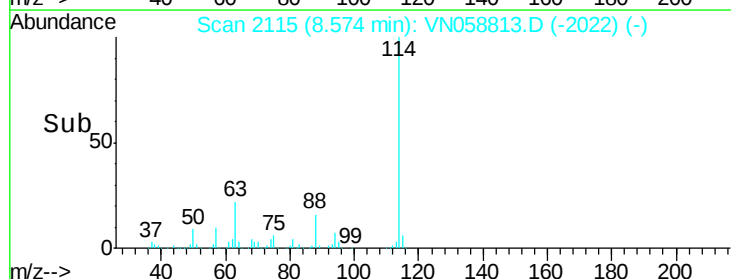
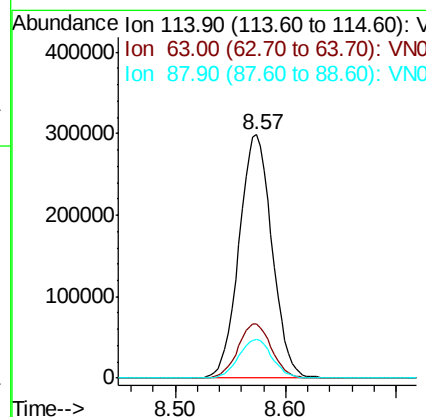
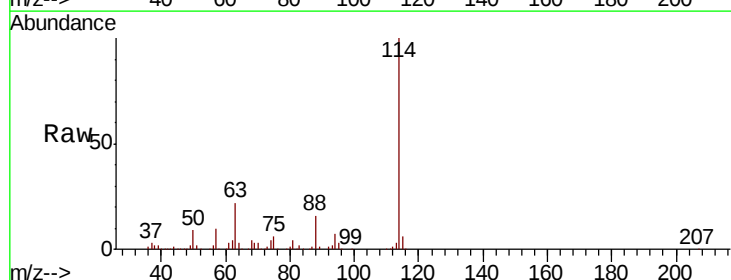
Tgt Ion: 114 Resp: 618107

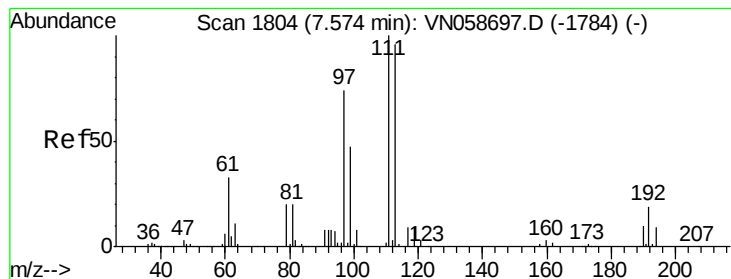
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

88 15.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 52.426 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

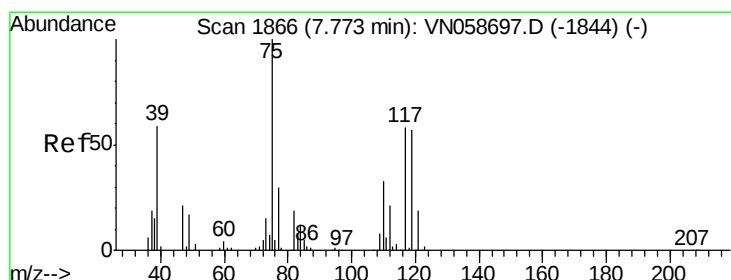
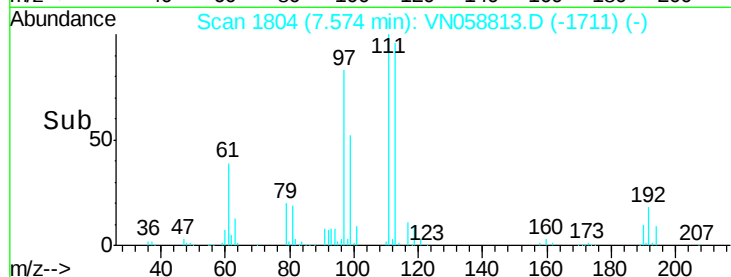
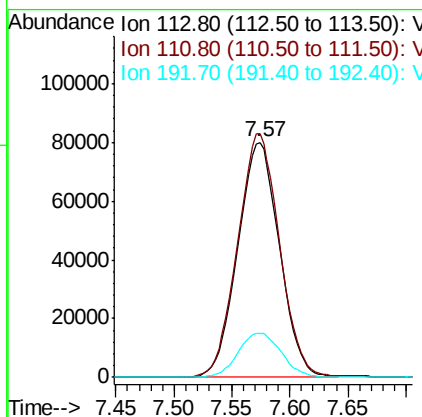
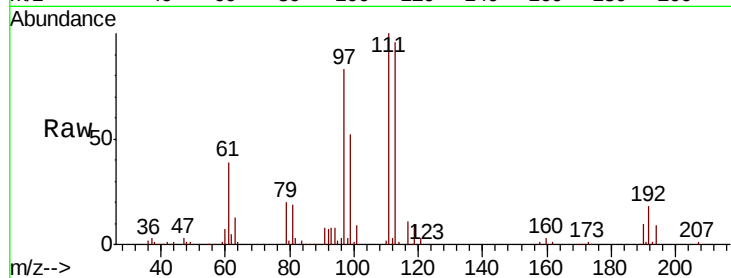
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	200159
Ion Ratio	Lower	Upper	
113	100		
111	104.6	82.3	123.5
192	19.4	15.0	22.6

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#36

1,1-Dichloropropene

Concen: 51.585 ug/l

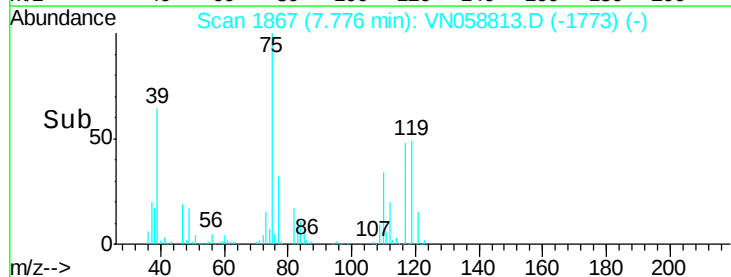
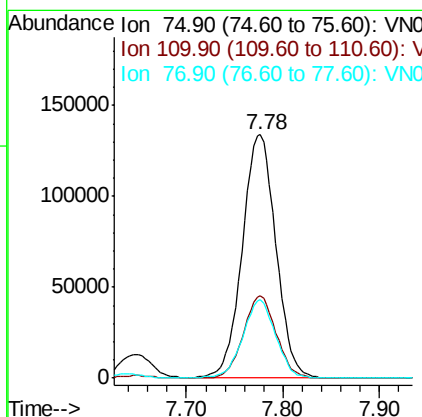
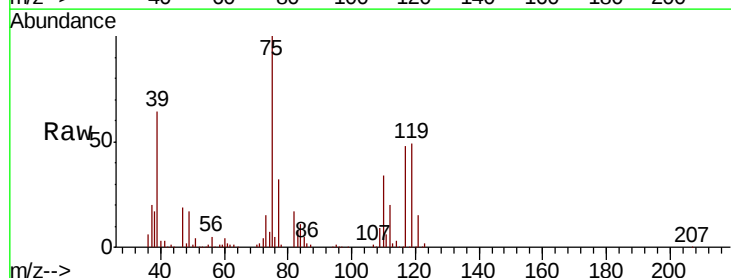
RT: 7.78 min Scan# 1867

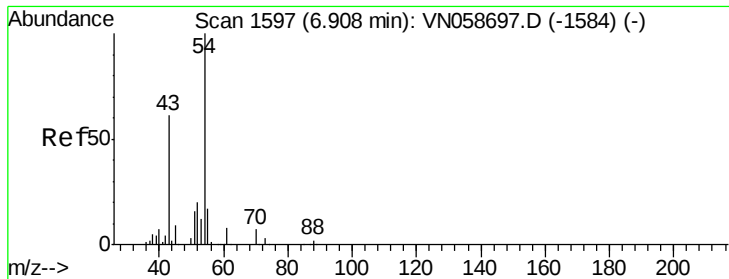
Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion:	75	Resp:	322377
Ion Ratio	Lower	Upper	
75	100		
110	33.0	16.6	49.8
77	31.7	24.6	37.0





#37

Ethyl Acetate

Concen: 58.164 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

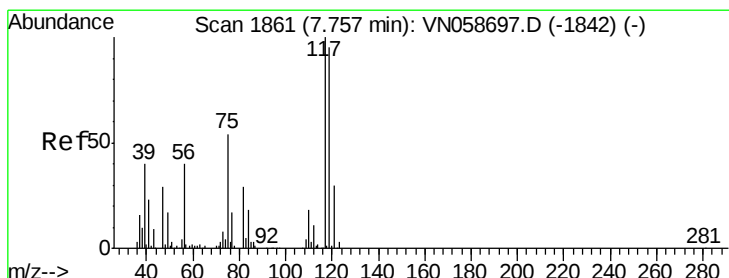
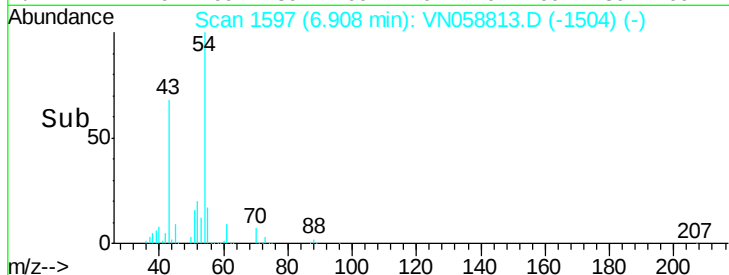
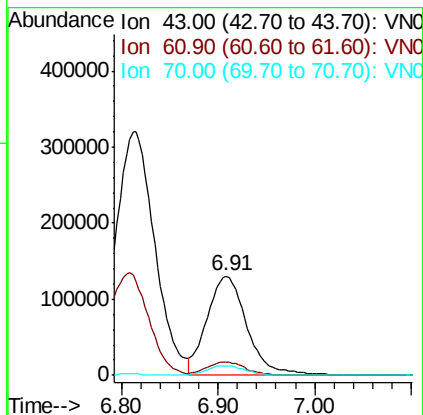
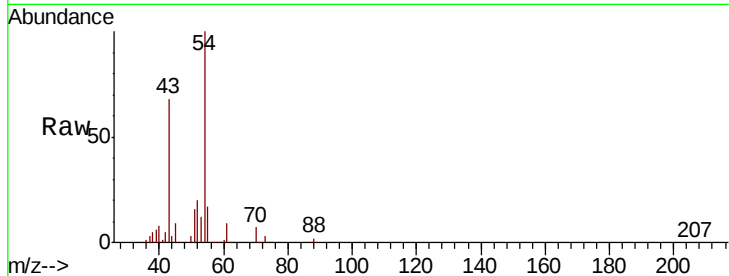
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	367615
Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.3	16.9
70	9.7	7.2	10.8

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#38

Carbon Tetrachloride

Concen: 54.120 ug/l

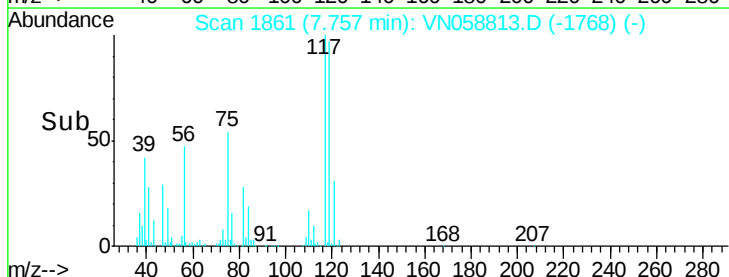
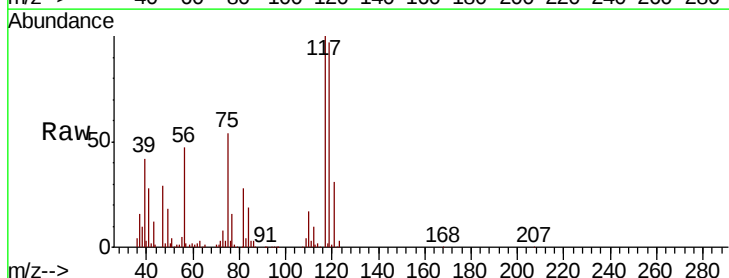
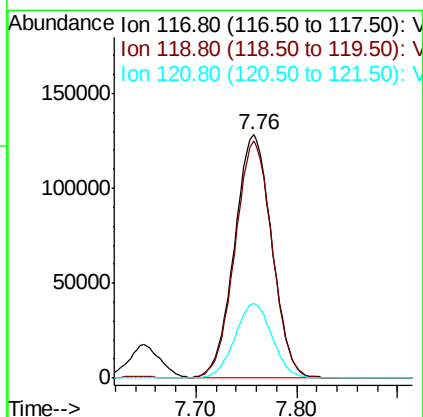
RT: 7.76 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion:	117	Resp:	329632
Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.7	113.5
121	30.5	23.9	35.9





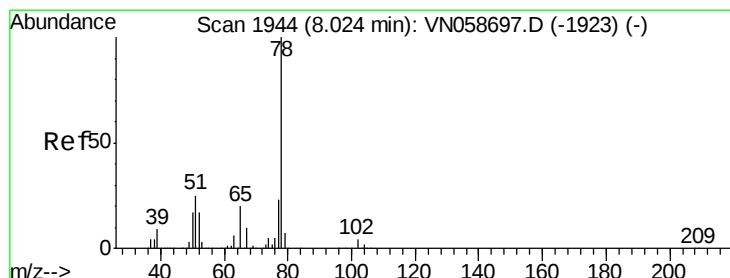
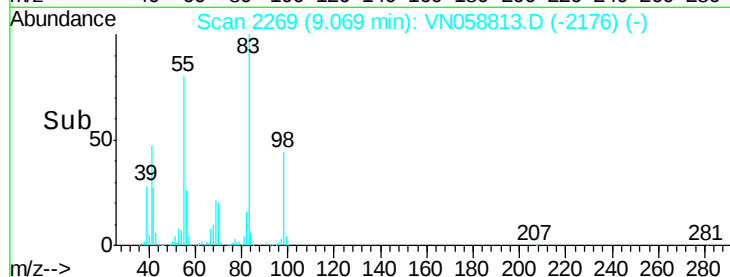
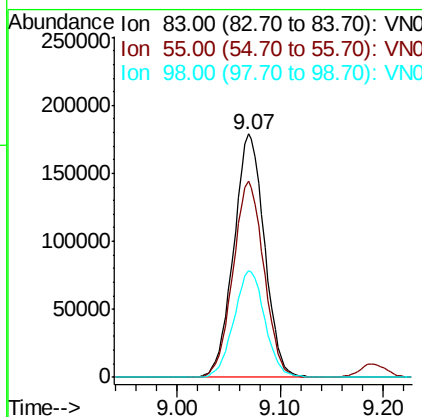
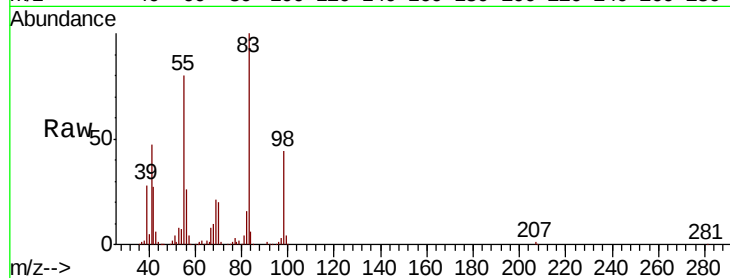
#39
Methvlcvclohexane
Concen: 51.152 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.4	63.4	95.0
98	44.0	35.1	52.7

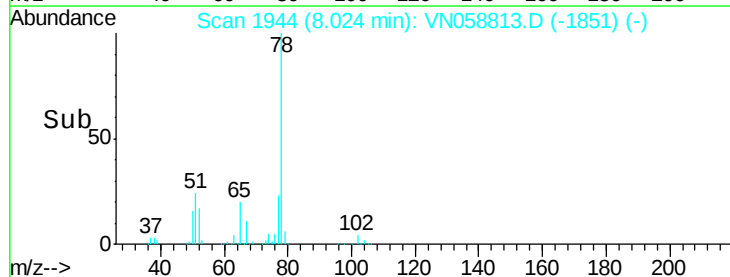
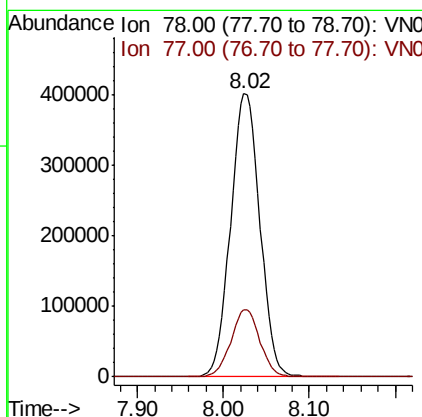
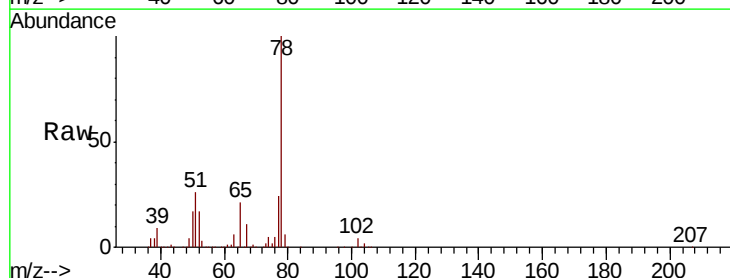
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#40
Benzene
Concen: 52.880 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





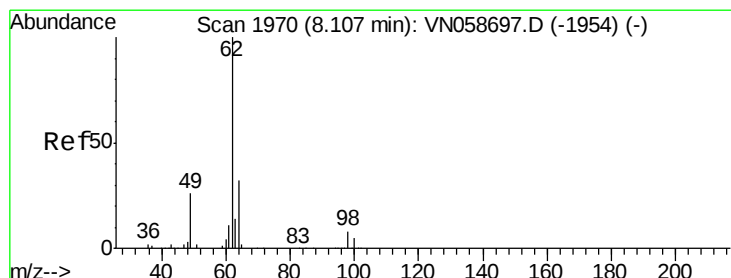
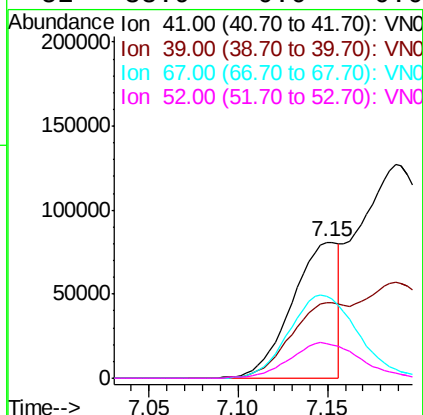
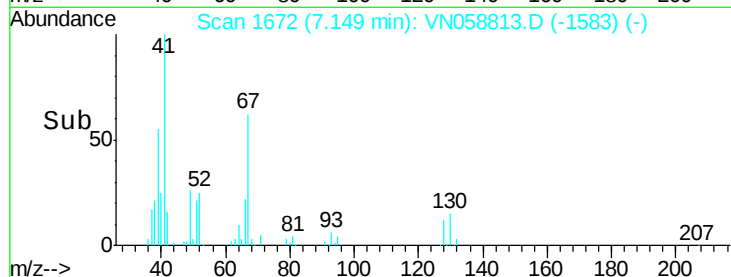
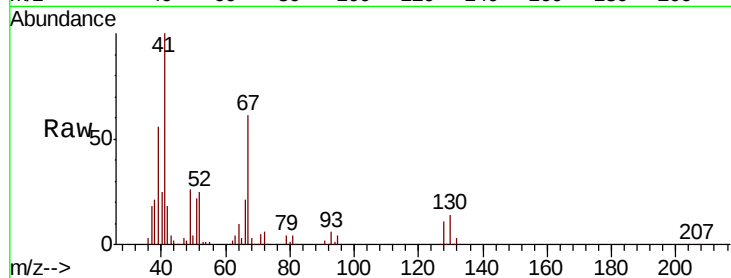
#41
Methacrylonitrile
Concen: 49.518 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		146504		
39	67.4	115.4	173.2#		
67	91.4	0.0	0.0#		
52	38.9	0.0	0.0#		

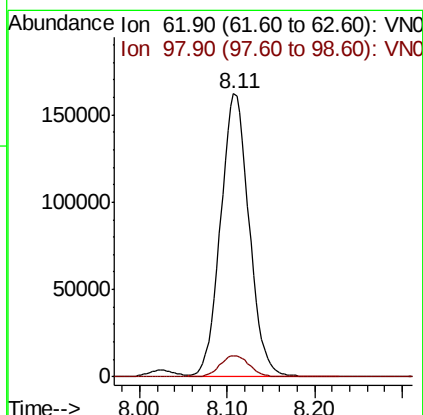
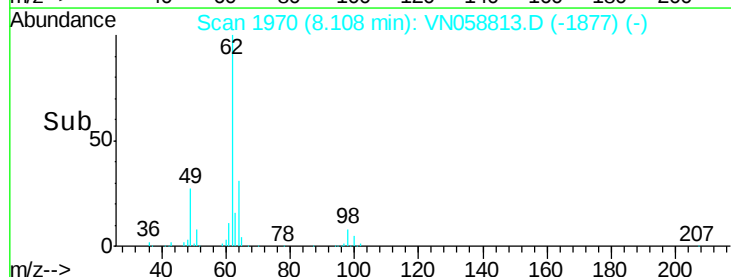
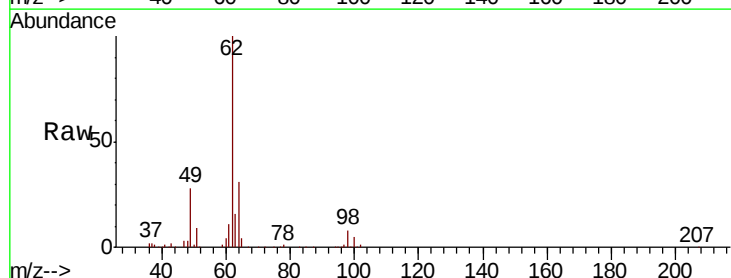
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 53.337 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		367790		
98	7.8	0.0	15.8		





#43

Isopropyl Acetate

Concen: 54.857 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

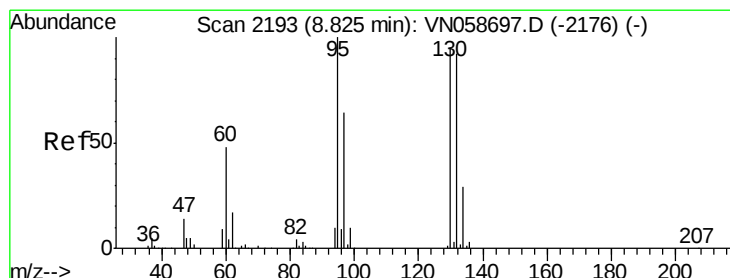
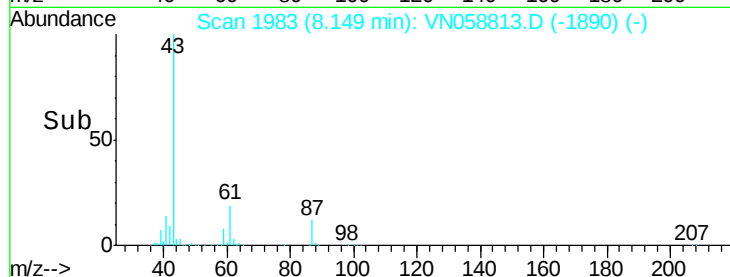
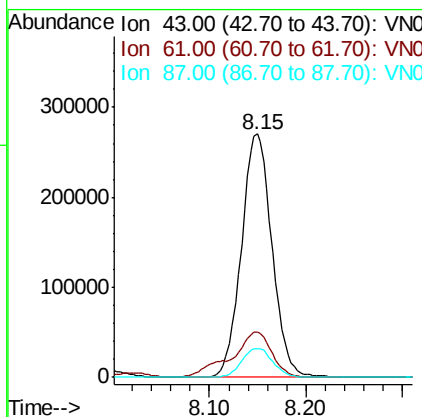
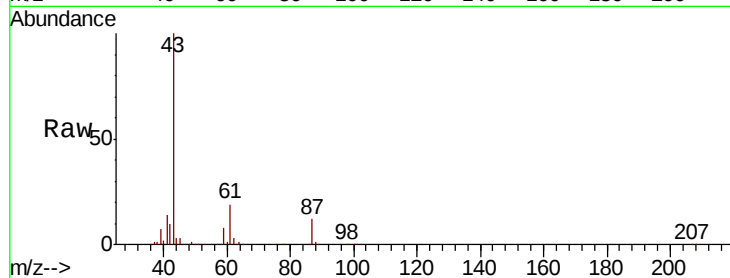
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	590638
Ion	Ratio	Lower	Upper
43	100		
61	25.1	20.3	30.5
87	12.1	9.8	14.6

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#44

Trichloroethene

Concen: 52.089 ug/l

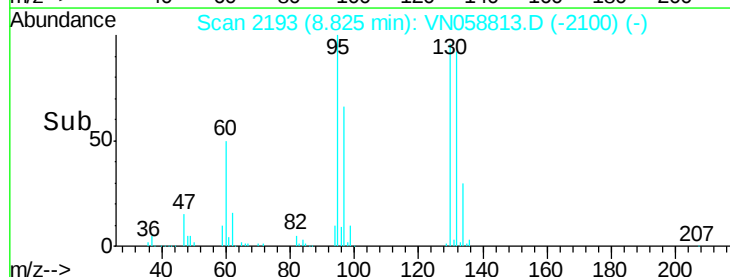
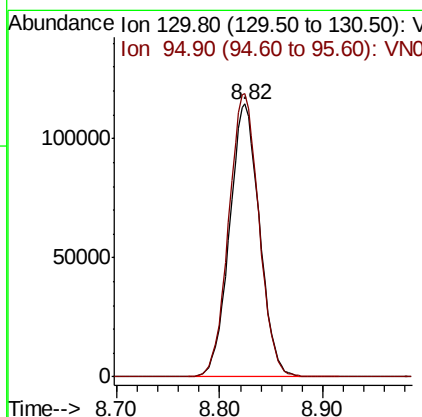
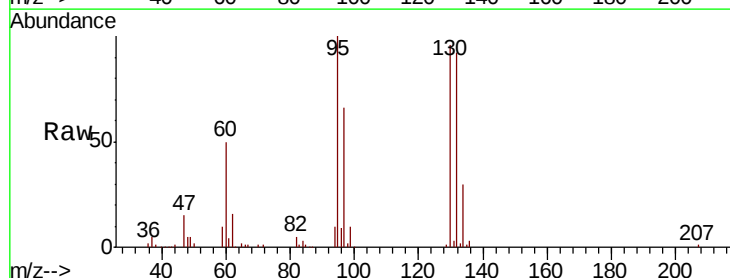
RT: 8.82 min Scan# 2193

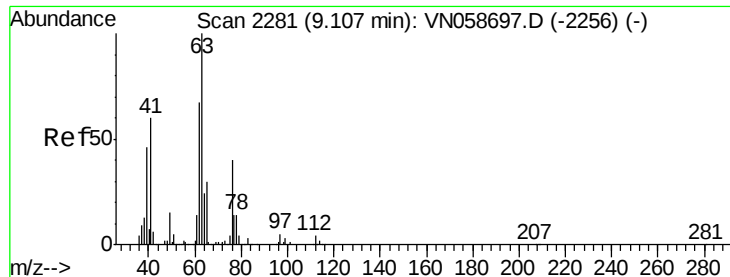
Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion:	130	Resp:	232172
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	211.2





#45

1,2-Dichloropropane

Concen: 54.947 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 264011

Ion Ratio Lower Upper

63 100

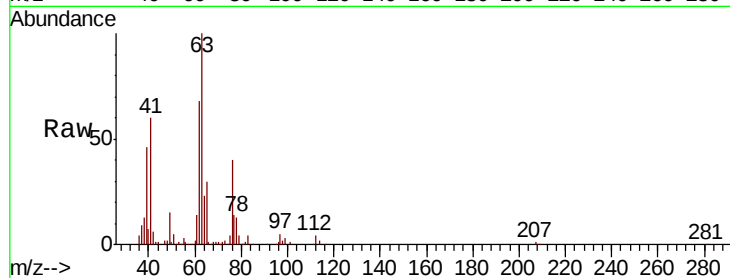
65 30.4 24.1 36.1

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Abundance Ion 62.90 (62.60 to 63.60): VN058813.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN058813.D (-2188) (-)

9.11

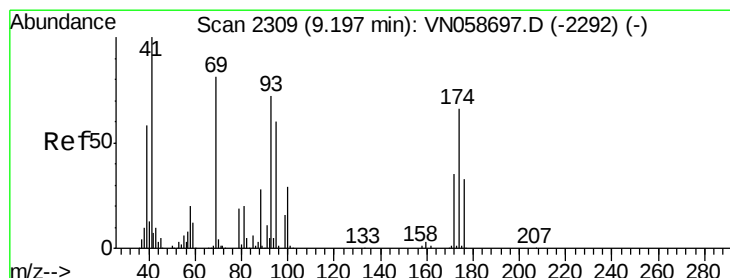
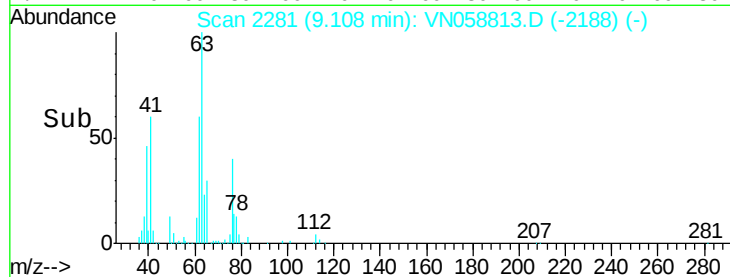
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 54.348 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

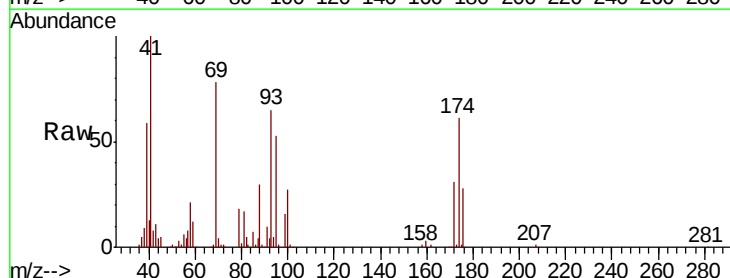
Tgt Ion: 93 Resp: 165562

Ion Ratio Lower Upper

93 100

95 82.2 66.6 100.0

174 92.2 75.2 112.8



Abundance Ion 92.80 (92.50 to 93.50): VN058813.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN058813.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN058813.D (-2216) (-)

9.20

100000

80000

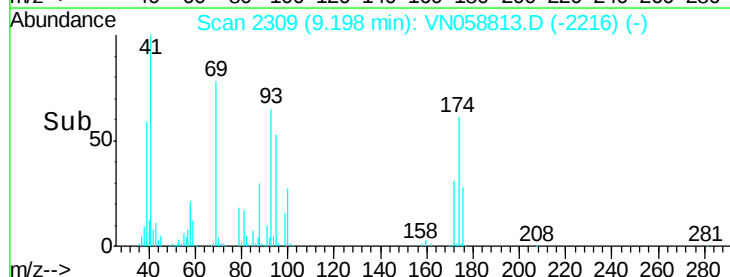
60000

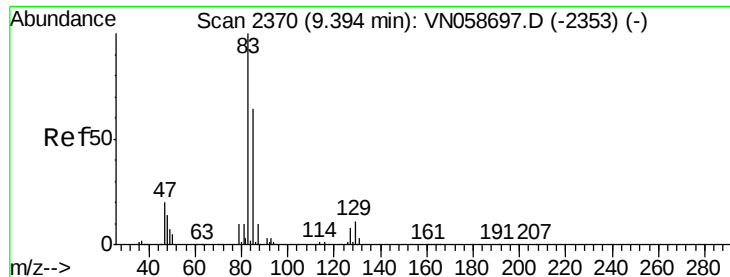
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 55.431 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

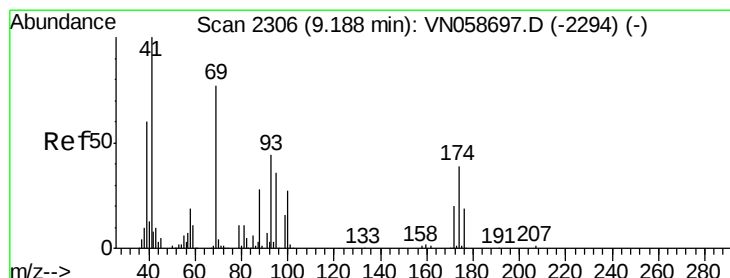
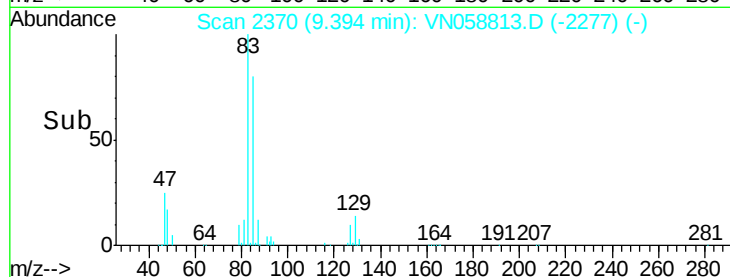
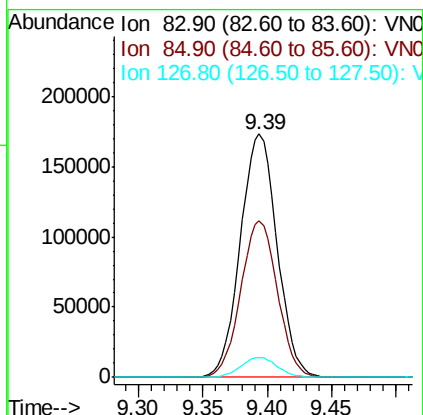
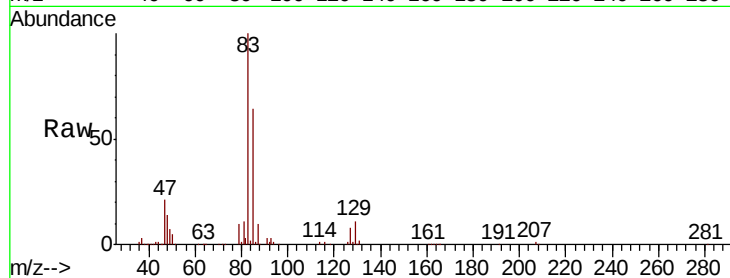
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	343855
Ion Ratio	Lower	Upper	
83	100		
85	64.2	50.9	76.3
127	8.2	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.640 ug/l

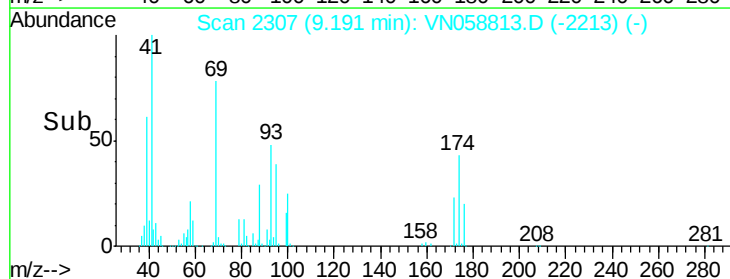
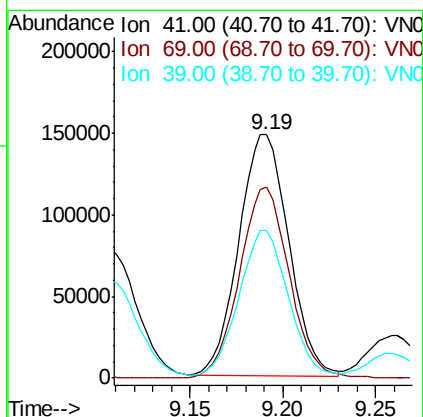
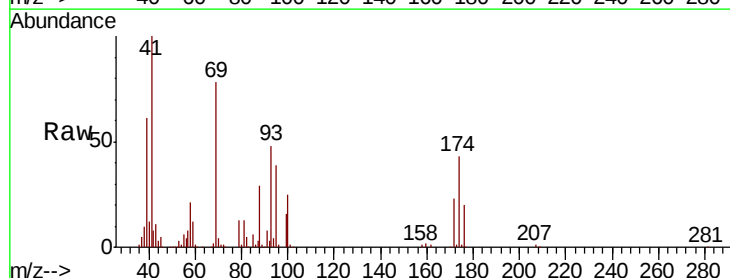
RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion:	41	Resp:	276438
Ion Ratio	Lower	Upper	
41	100		
69	79.1	63.4	95.2
39	61.1	48.9	73.3





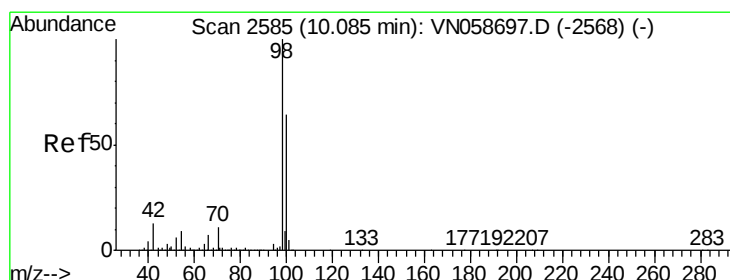
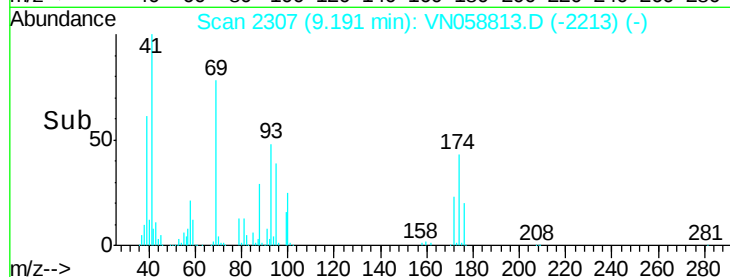
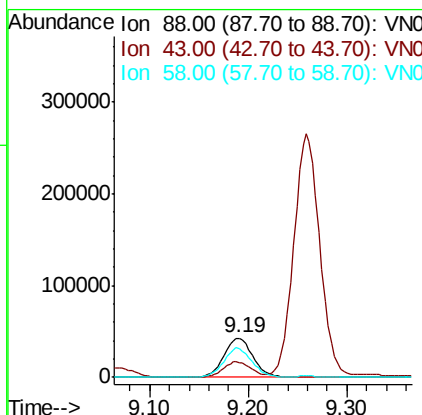
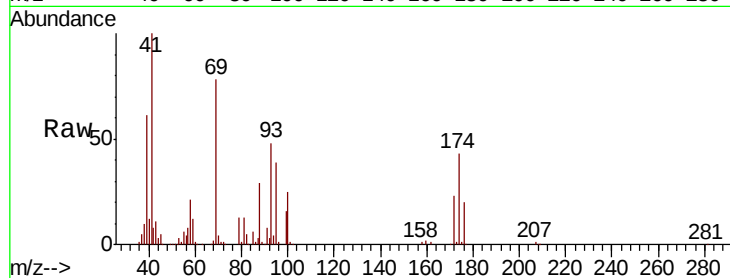
#49
1,4-Dioxane
Concen: 1172.045 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	88495
Ion	Ratio	Lower	Upper
88	100		
43	37.6	28.6	43.0
58	73.0	57.2	85.8

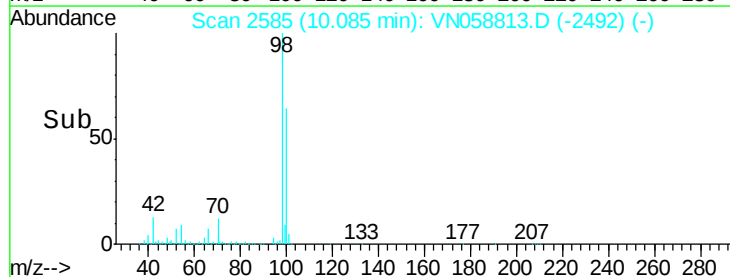
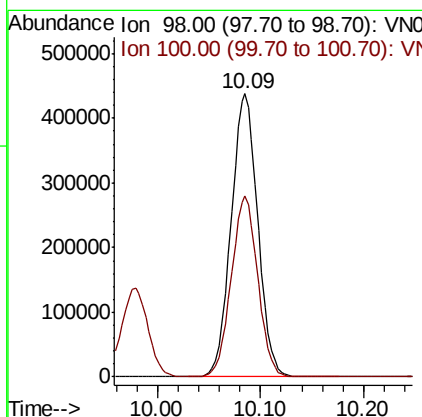
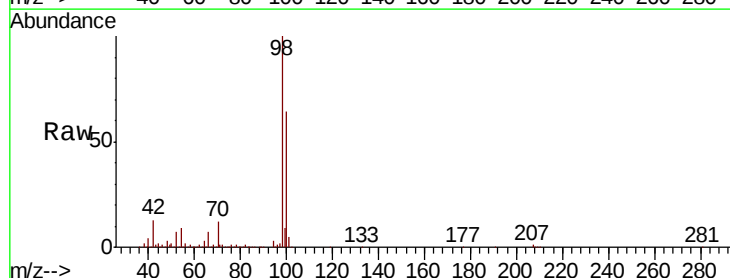
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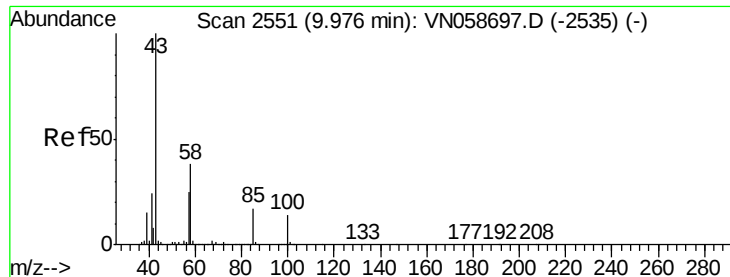
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#50
Toluene-d8
Concen: 51.551 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	98	Resp	787045
Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 307.509 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1859459

Ion Ratio Lower Upper

43 100

58 37.7

30.3

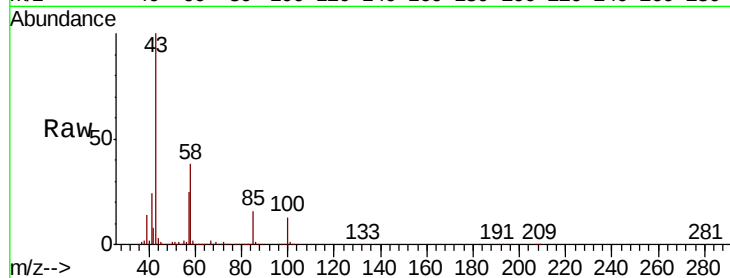
45.5

Manual Integrations

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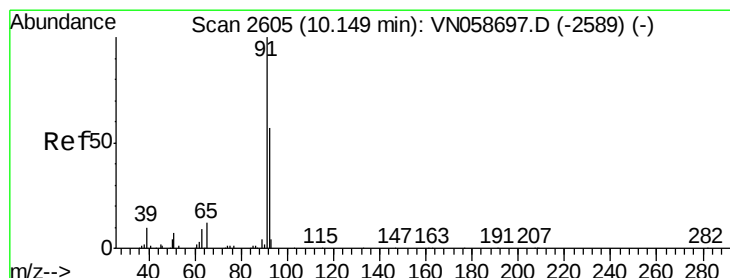
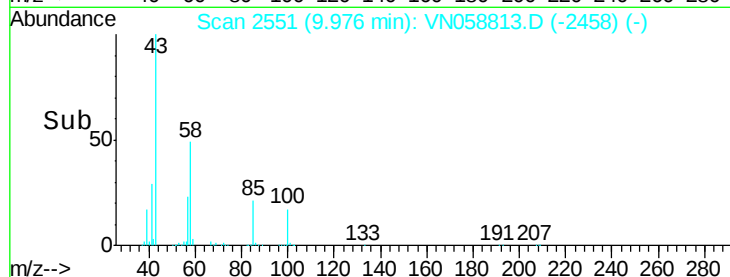
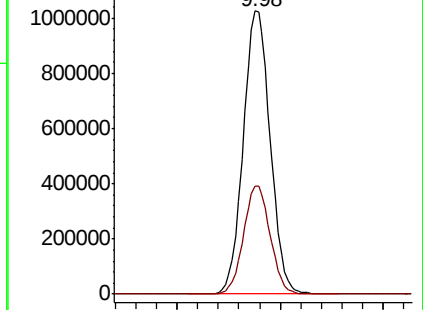
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Abundance Ion 43.00 (42.70 to 43.70): VN058813.D (-2458) (-)

Ion 58.00 (57.70 to 58.70): VN058813.D (-2458) (-)



#52

Toluene

Concen: 52.764 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion: 92 Resp: 579229

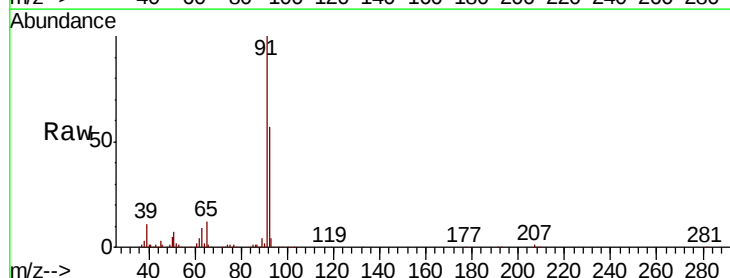
Ion Ratio Lower Upper

92 100

91 176.8

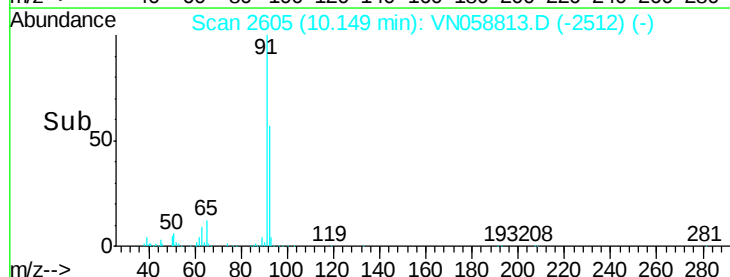
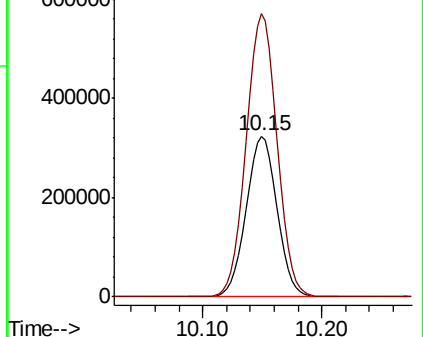
139.1

208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058813.D (-2512) (-)

Ion 91.00 (90.70 to 91.70): VN058813.D (-2512) (-)





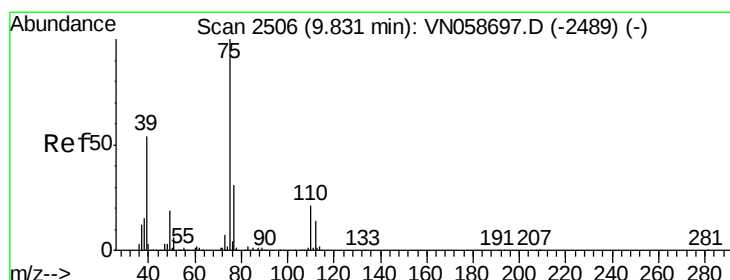
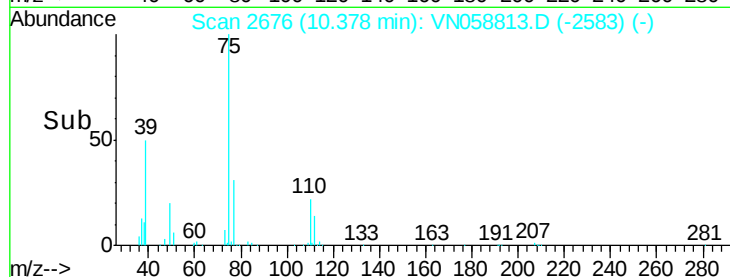
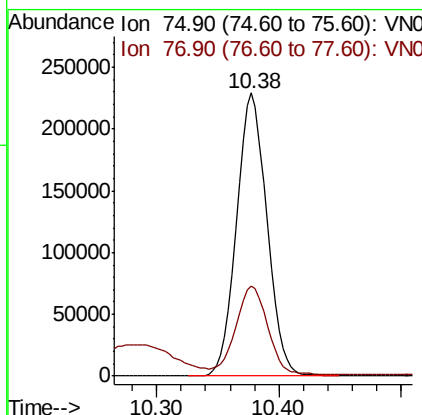
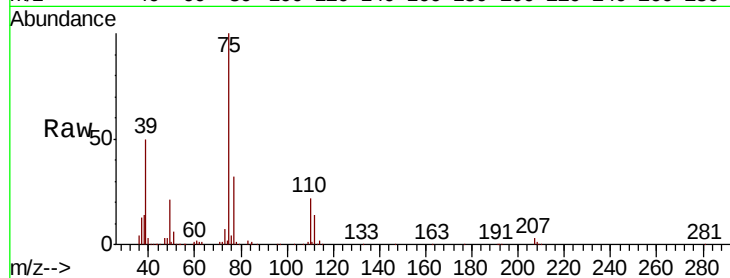
#53
t-1,3-Dichloropropene
Concen: 55.188 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	26.2	39.4

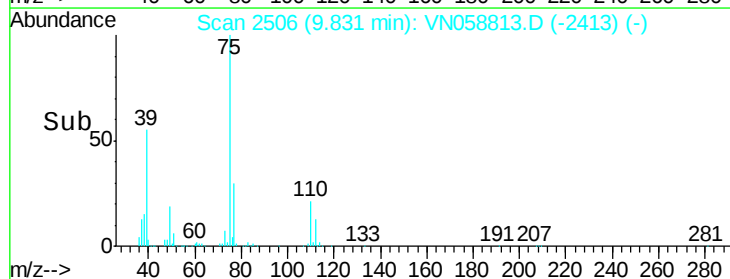
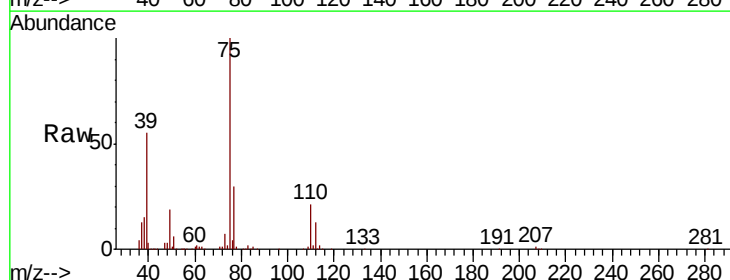
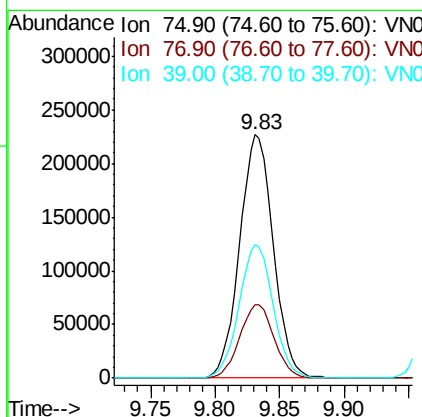
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#54
cis-1,3-Dichloropropene
Concen: 54.683 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.9	24.4	36.6
39	54.5	43.1	64.7





#55

1,1,2-Trichloroethane

Concen: 52.279 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

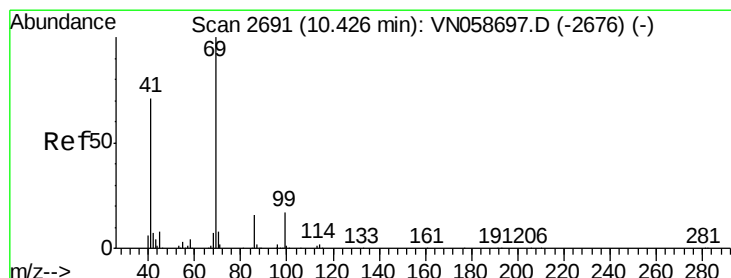
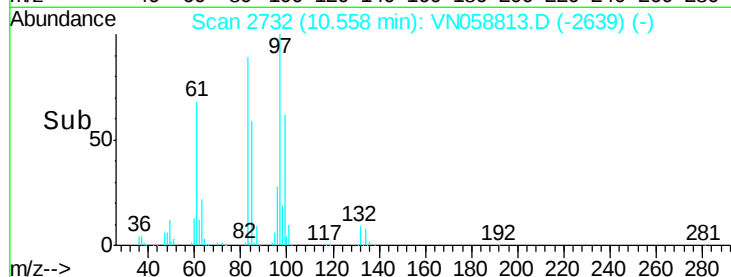
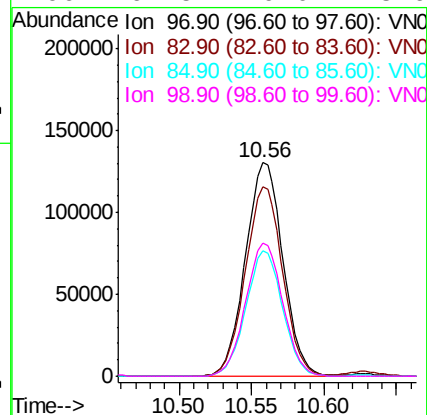
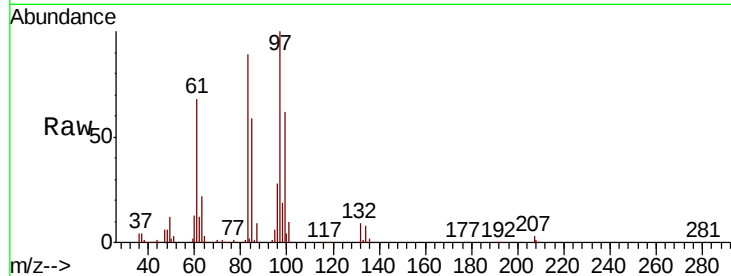
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	234892
Ion	Ratio	Lower	Upper
97	100		
83	88.7	71.2	106.8
85	58.7	46.7	70.1
99	62.5	49.0	73.6

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#56

Ethyl methacrylate

Concen: 57.016 ug/l

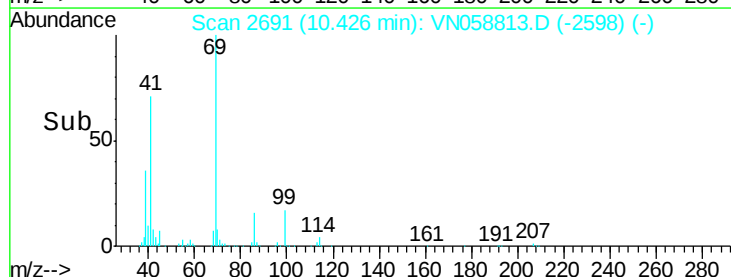
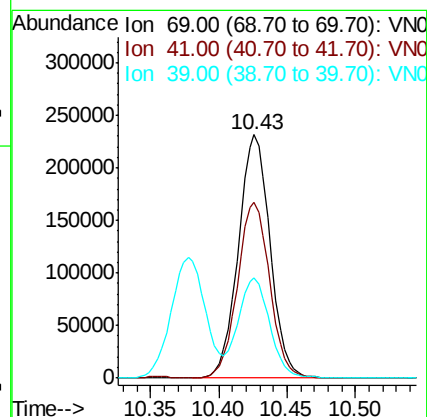
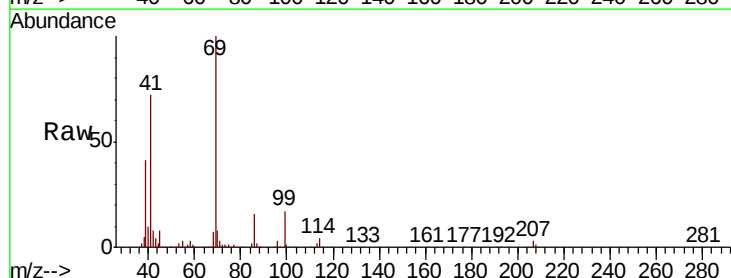
RT: 10.43 min Scan# 2691

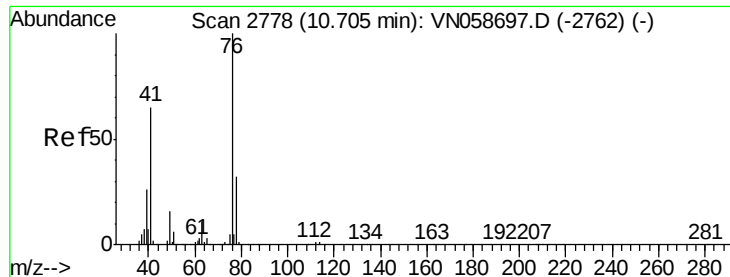
Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion:	69	Resp:	374253
Ion	Ratio	Lower	Upper
69	100		
41	72.3	56.8	85.2
39	40.7	32.5	48.7





#57

1,3-Dichloropropane

Concen: 54.164 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 414707

Ion Ratio Lower Upper

76 100

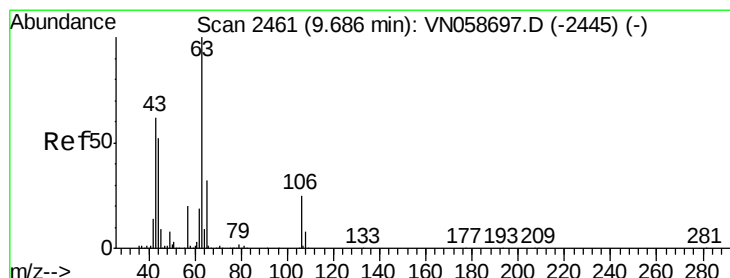
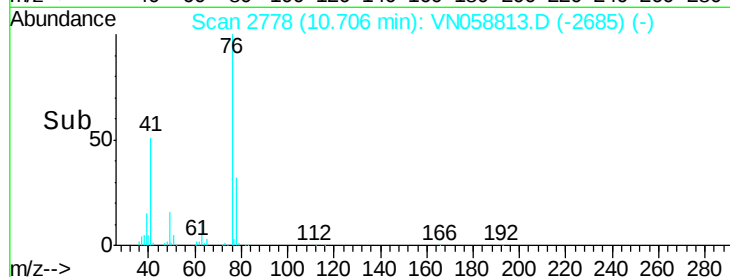
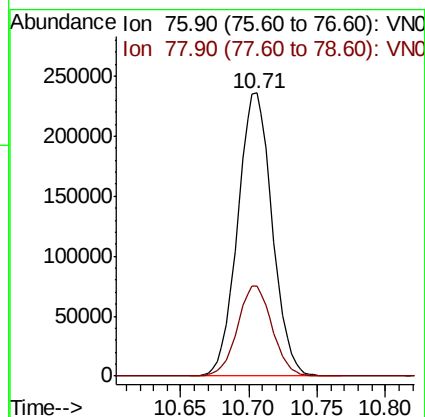
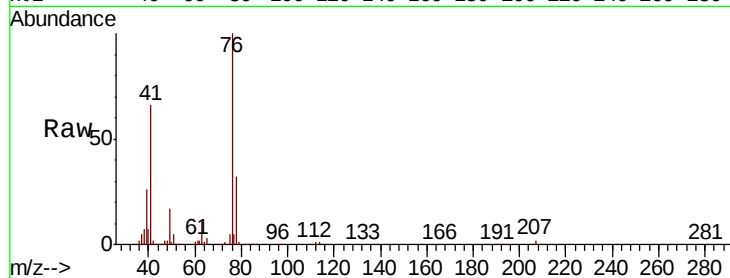
78 32.1 25.9 38.9

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#58

2-Chloroethyl Vinyl ether

Concen: 275.485 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058813.D

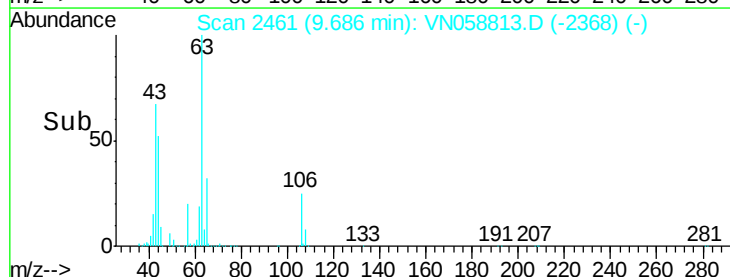
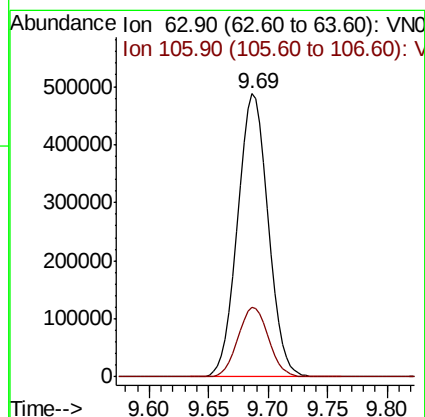
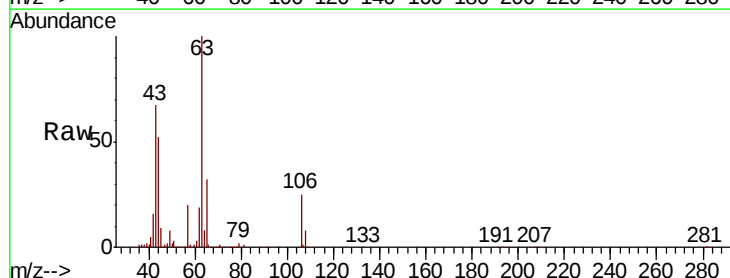
Acq: 16 Oct 2019 19:30

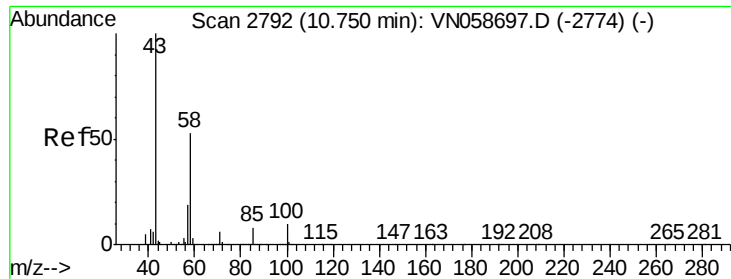
Tgt Ion: 63 Resp: 871457

Ion Ratio Lower Upper

63 100

106 24.6 20.0 30.0





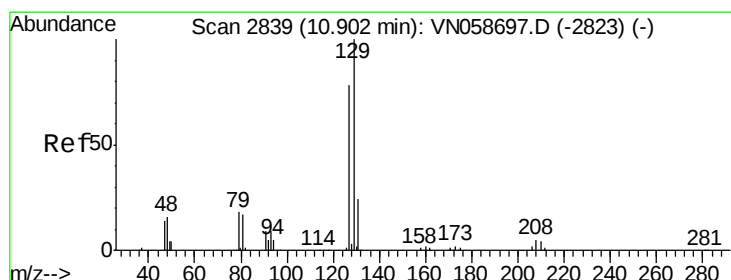
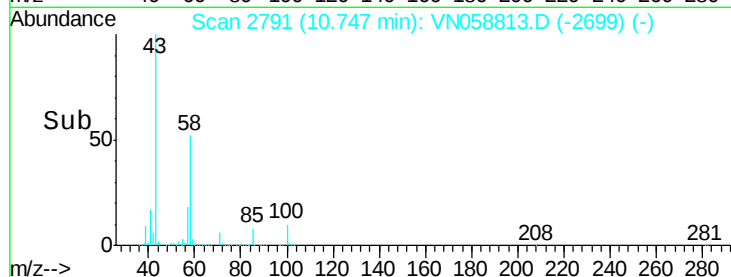
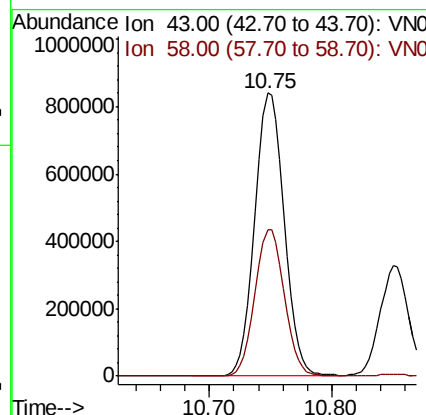
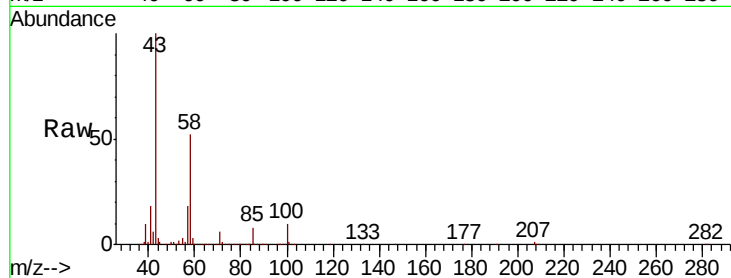
#59
2-Hexanone
Concen: 298.739 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1396017
Ion Ratio Lower Upper
43 100
58 51.7 26.1 78.3

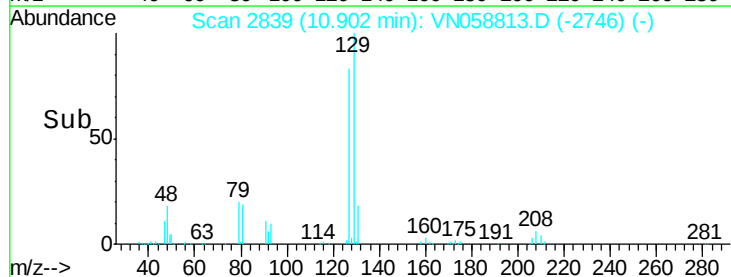
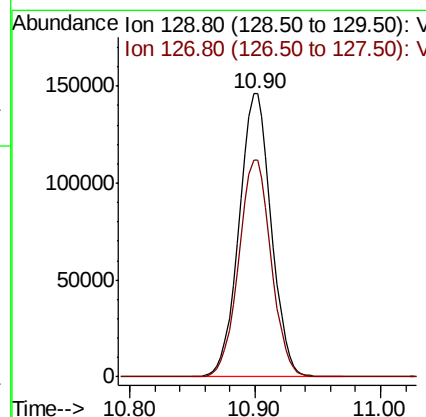
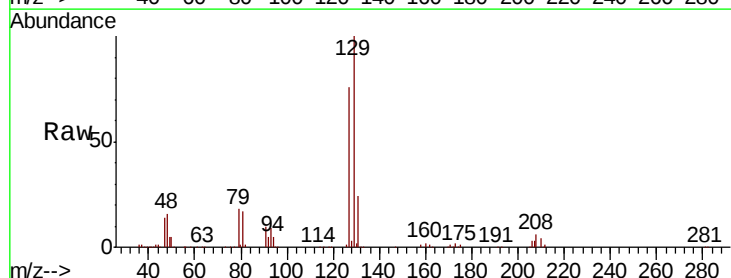
Manual Integrations
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#60
Dibromochloromethane
Concen: 55.993 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion: 129 Resp: 259524
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3





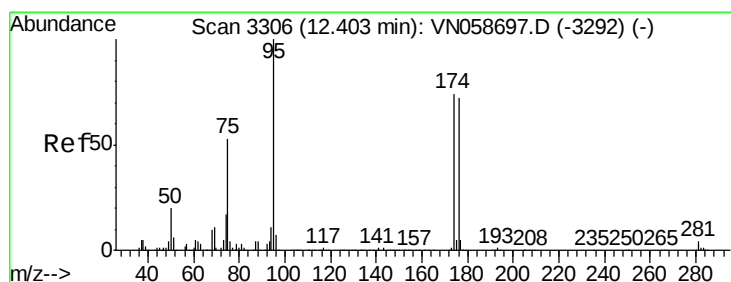
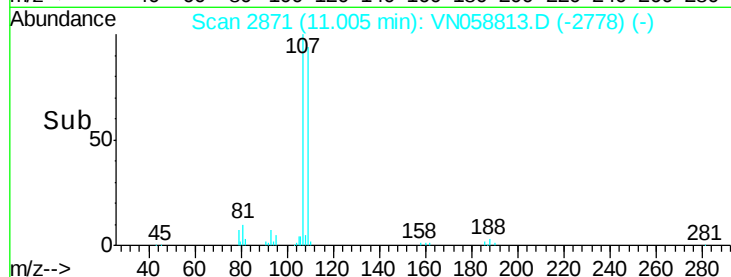
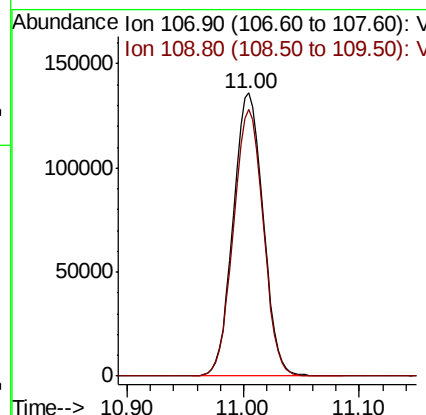
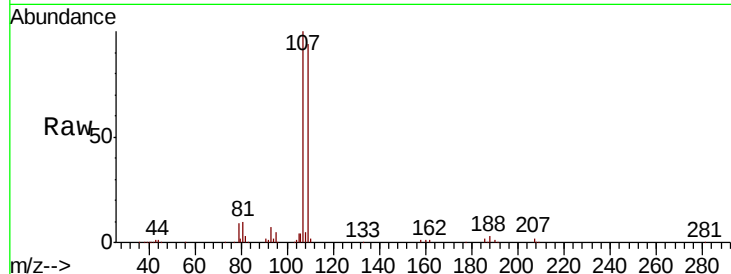
#61
1,2-Dibromoethane
Concen: 53.815 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.4	113.0

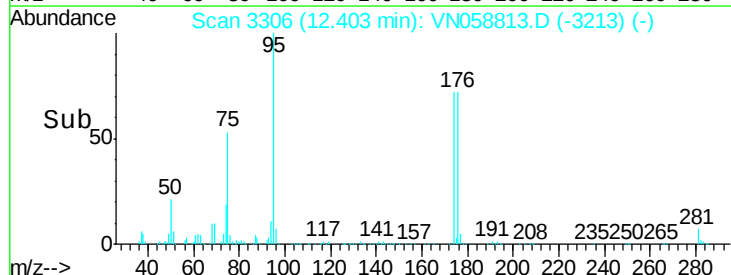
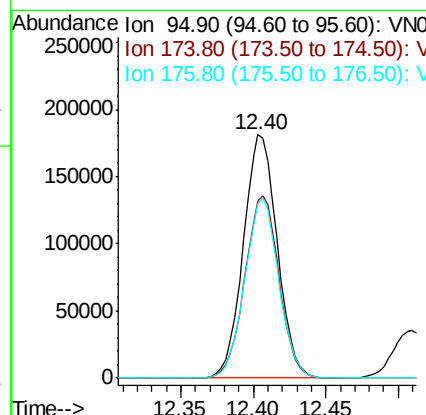
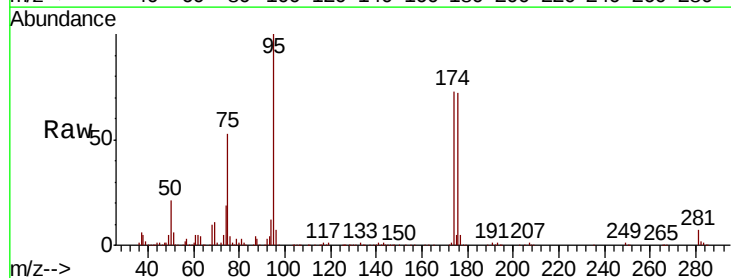
Manual Integrations
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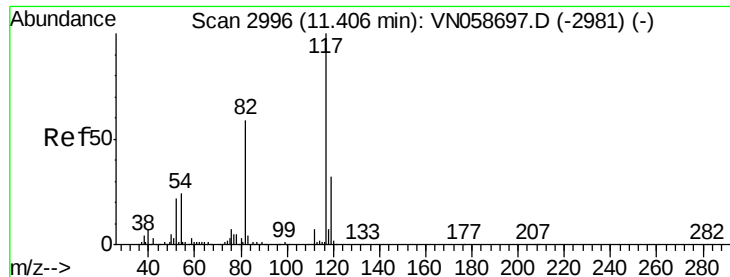
MMDadoda
10/18/2019 12:51:32 AM



#62
4-Bromofluorobenzene
Concen: 50.965 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	150.4
176	74.1	0.0	146.8





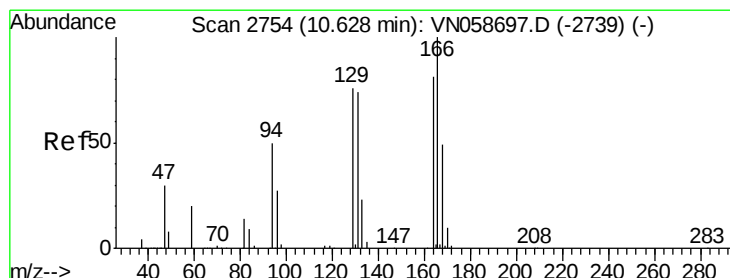
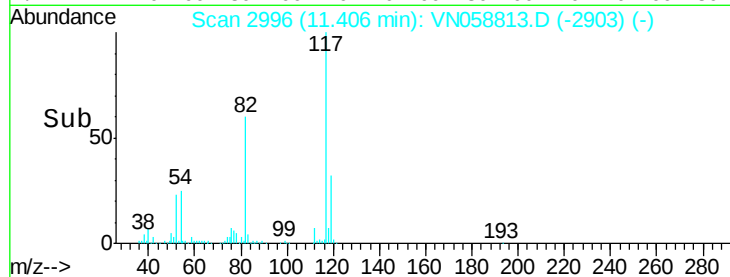
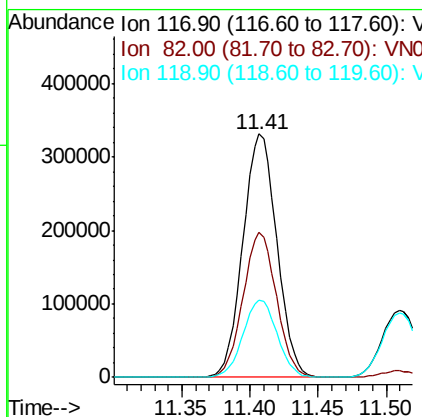
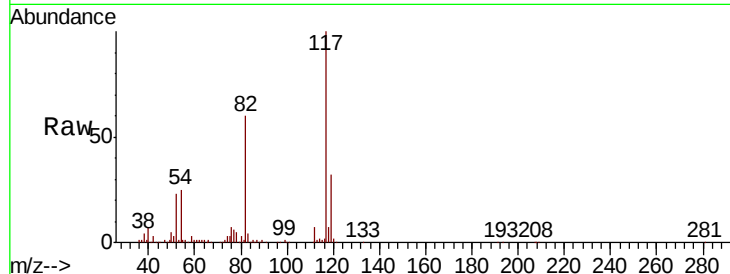
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	573072		
82	59.5		47.0	70.4
119	31.8		25.4	38.2

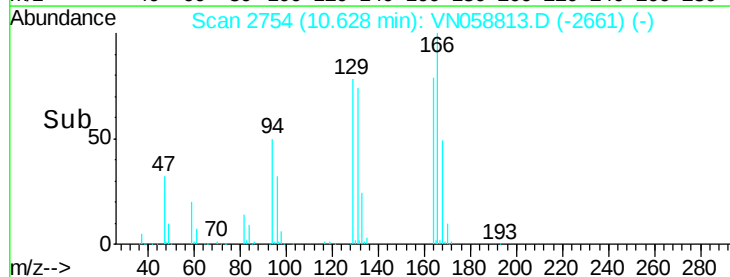
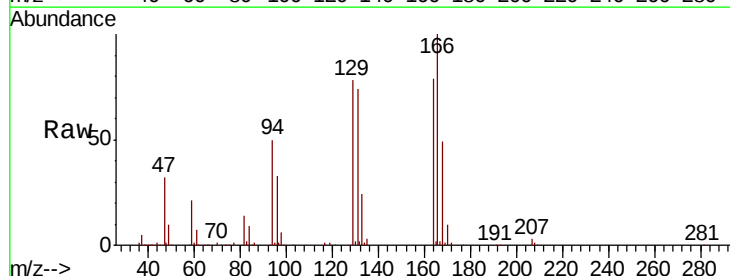
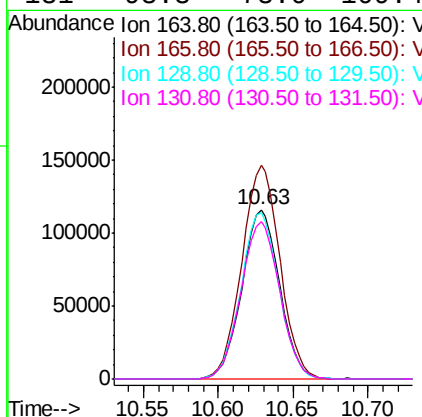
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#64
Tetrachloroethene
Concen: 50.910 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	204177		
166	126.1		99.3	148.9
129	98.4		75.2	112.8
131	93.3		73.0	109.4





#65

Chlorobenzene

Concen: 53.405 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 621526

Ion Ratio Lower Upper

112 100

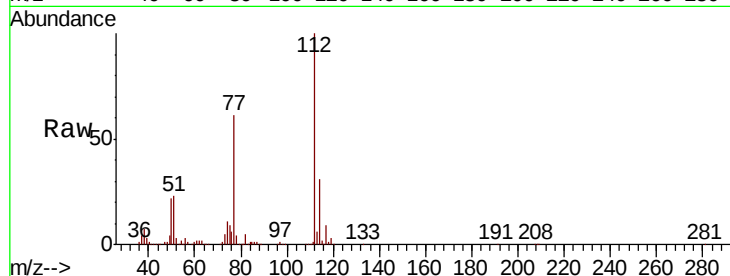
114 31.3 25.2 37.8

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

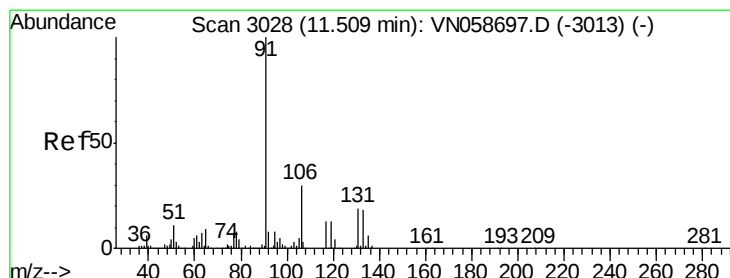
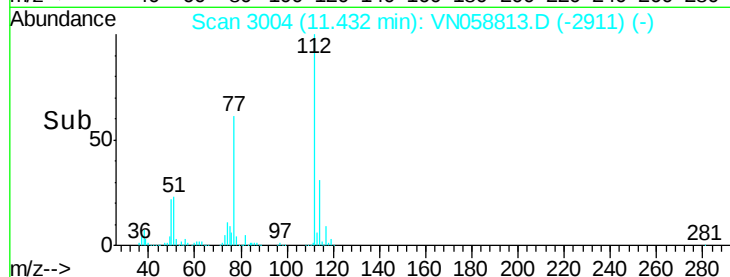
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 54.082 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

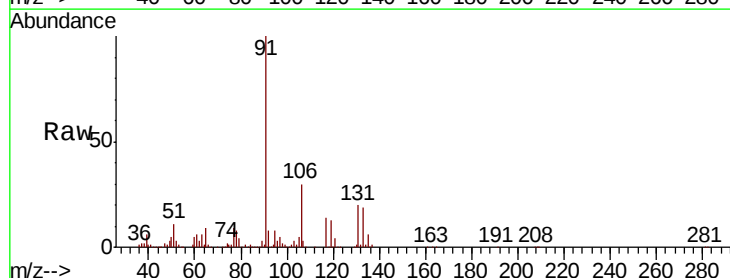
Tgt Ion:131 Resp: 232737

Ion Ratio Lower Upper

131 100

133 96.4 47.6 142.9

119 66.5 33.0 98.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

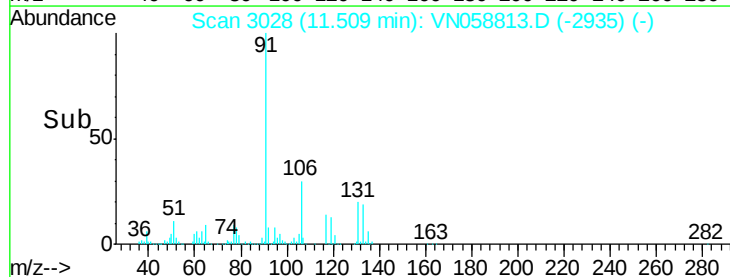
150000

100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 55.135 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1143803

Ion Ratio Lower Upper

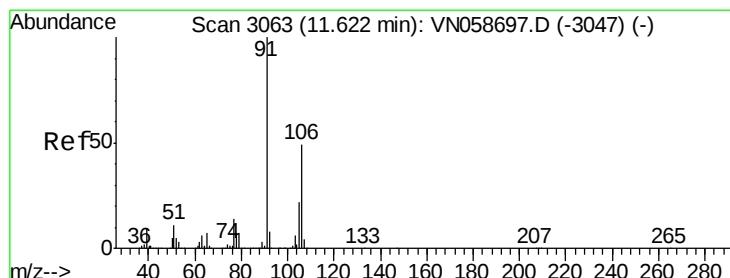
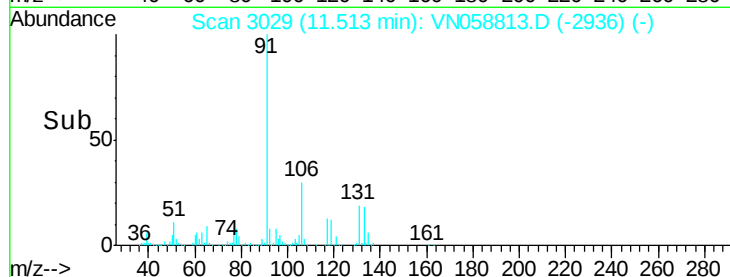
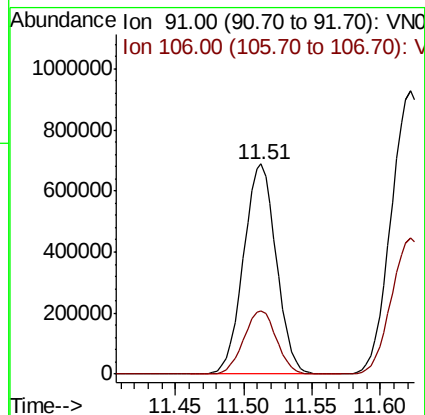
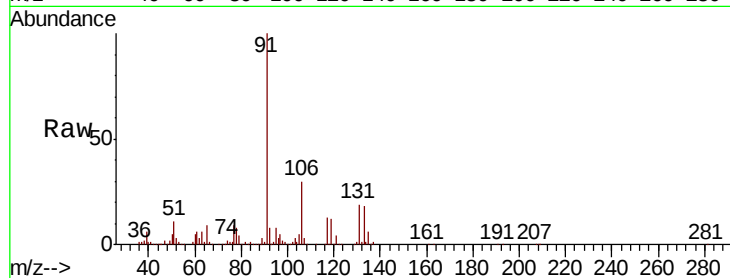
91 100

106 30.2 24.1 36.1

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#68

m/p-Xylenes

Concen: 108.954 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058813.D

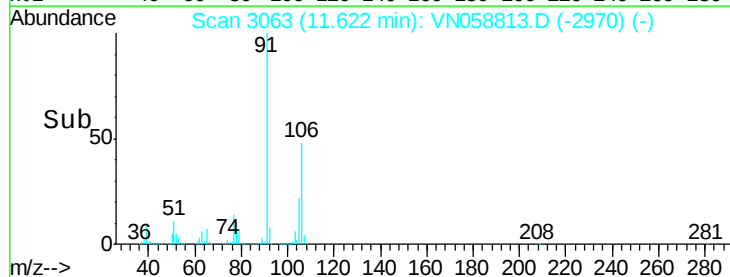
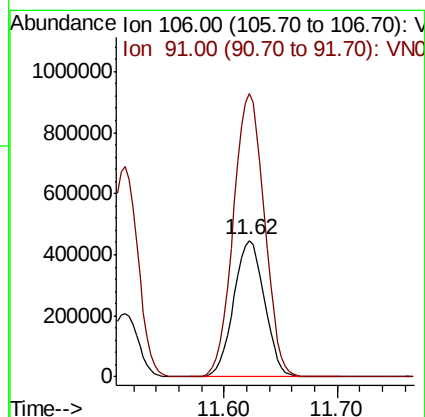
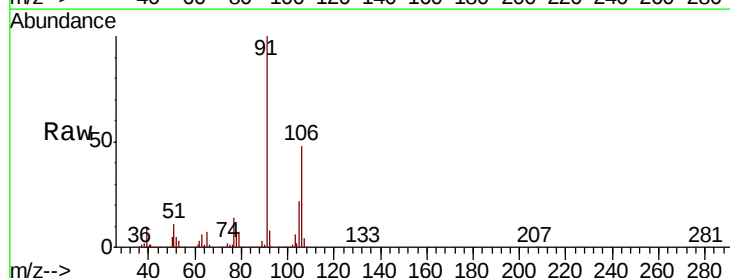
Acq: 16 Oct 2019 19:30

Tgt Ion: 106 Resp: 848235

Ion Ratio Lower Upper

106 100

91 209.2 165.7 248.5





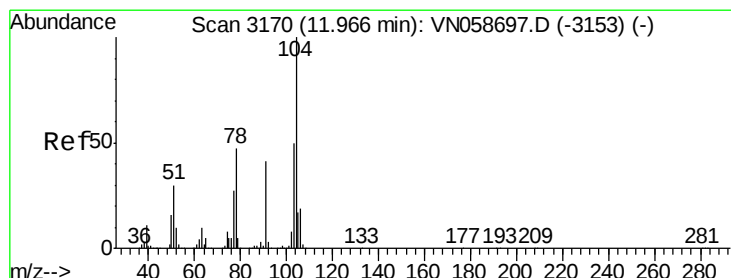
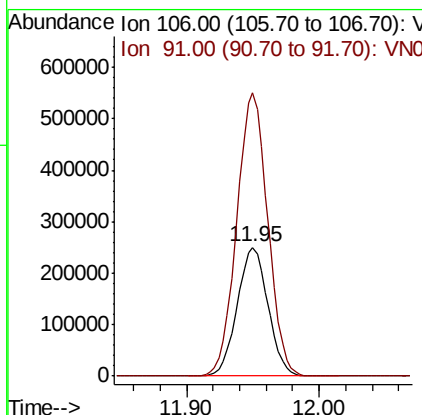
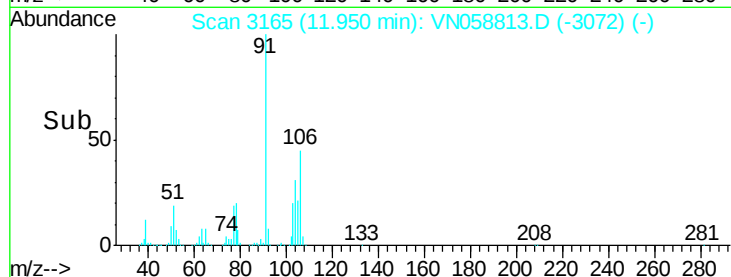
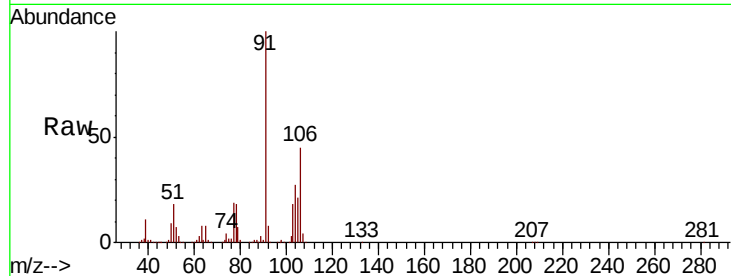
#69
o-Xylene
Concen: 53.387 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	221.8	110.9	332.9	

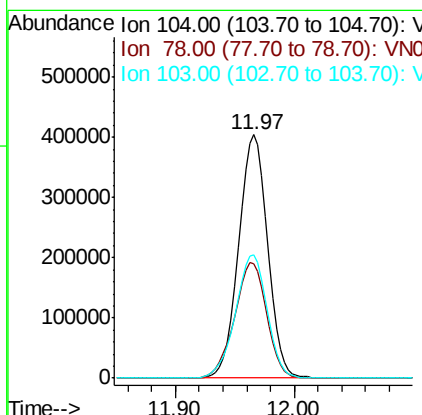
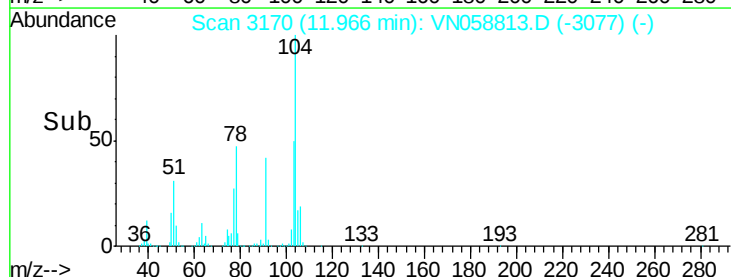
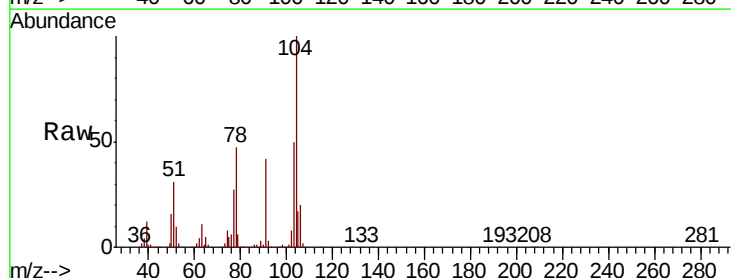
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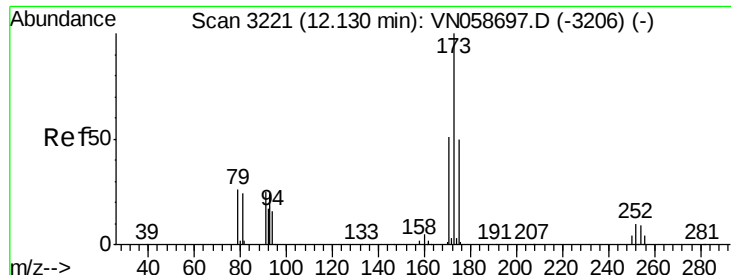
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#70
Styrene
Concen: 55.212 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	52.9	42.2	63.2	
103	55.1	43.7	65.5	





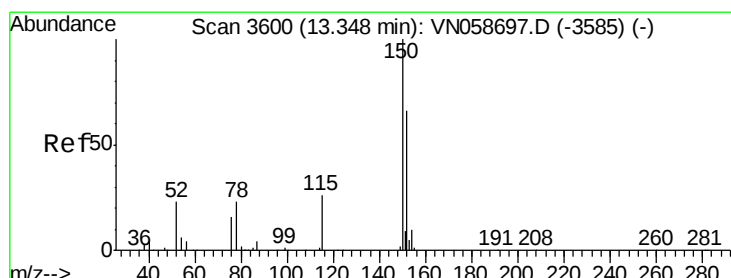
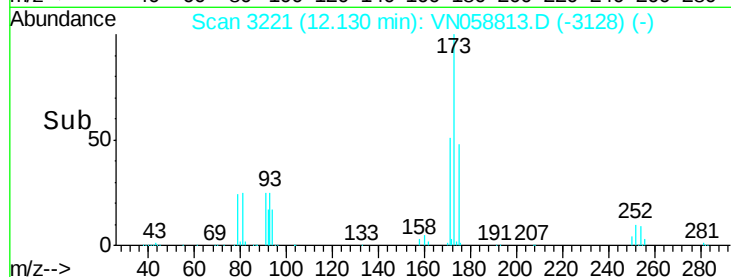
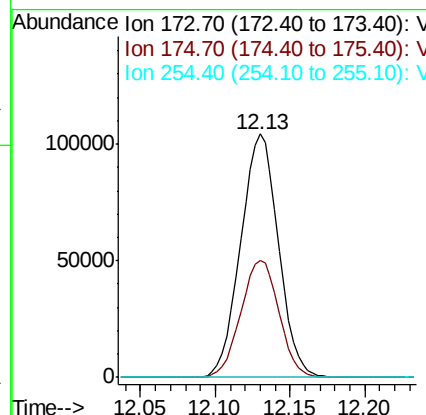
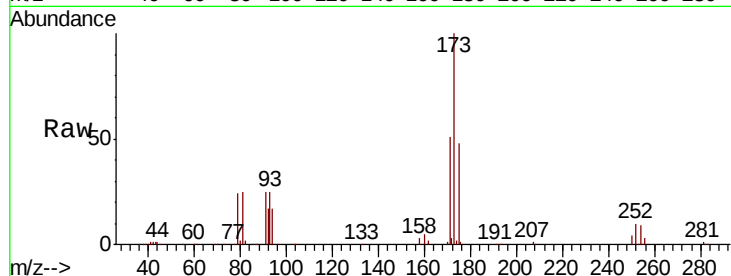
#71
Bromoform
Concen: 58.030 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.8
254	0.1	0.1	0.1

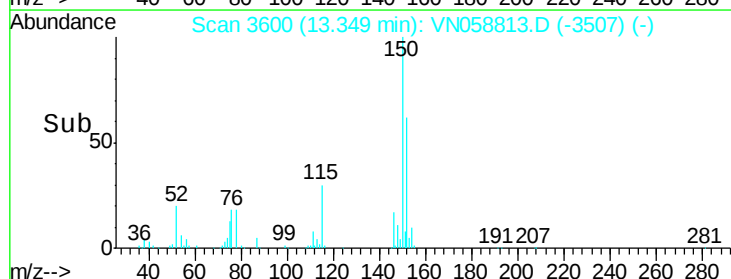
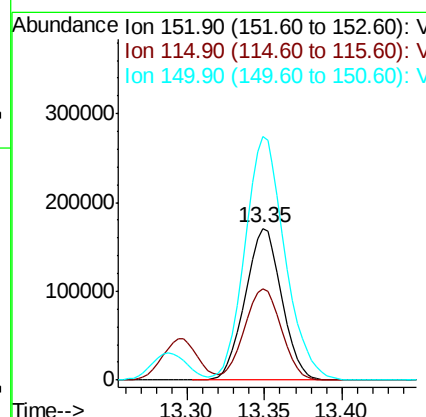
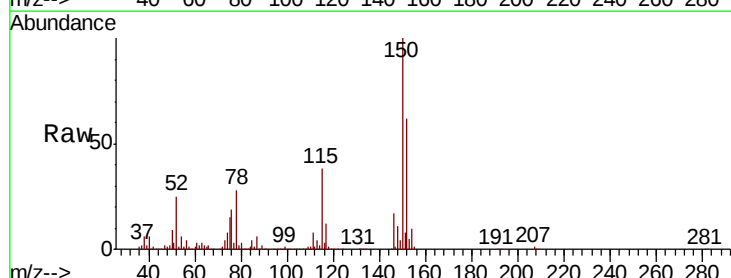
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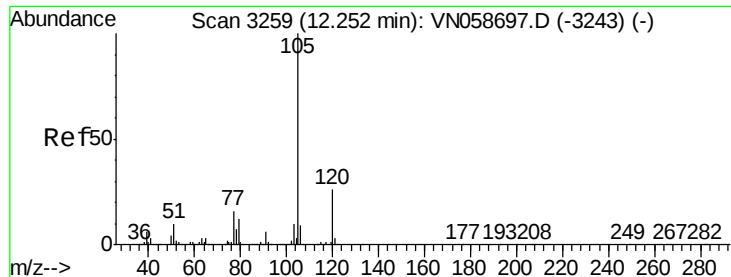
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.4	91.2
150	175.7	0.0	345.4





#73

Isopropylbenzene

Concen: 55.033 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1118056

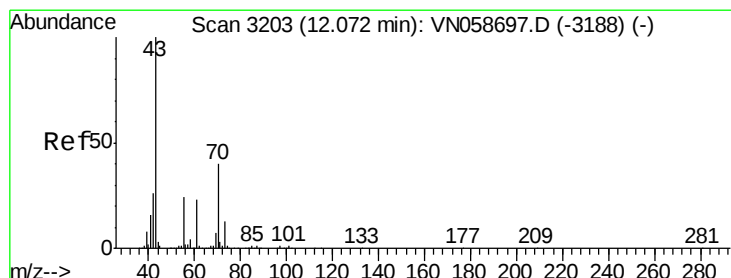
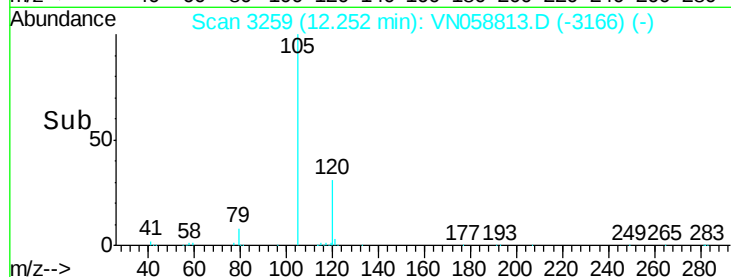
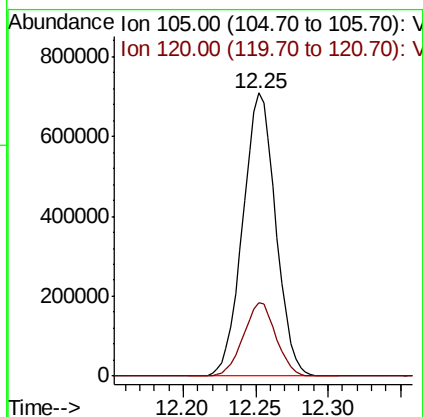
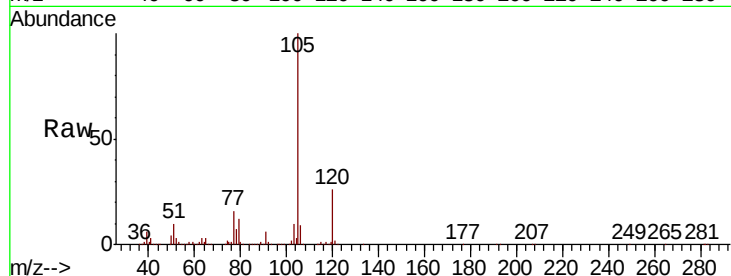
Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1

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#74

N-ethyl acetate

Concen: 57.495 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion: 43 Resp: 524625

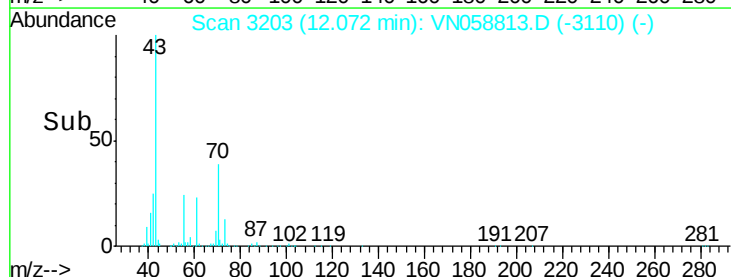
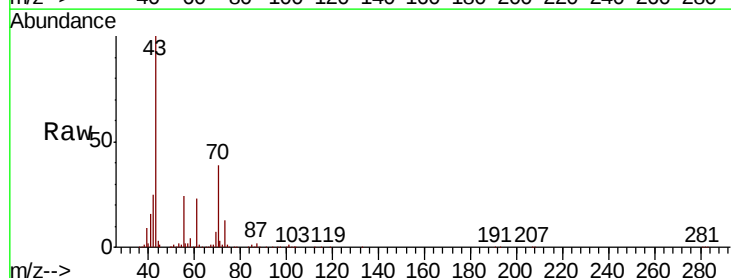
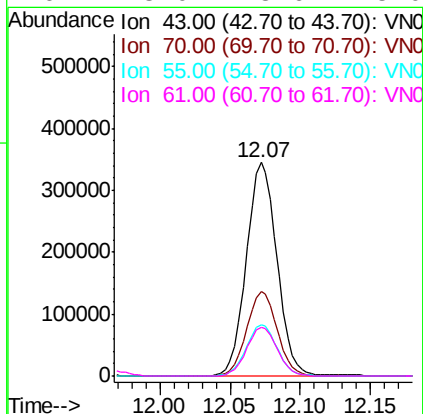
Ion Ratio Lower Upper

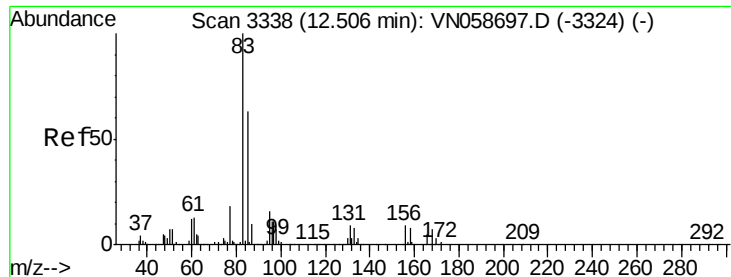
43 100

70 39.6 32.2 48.4

55 24.5 19.6 29.4

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.299 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

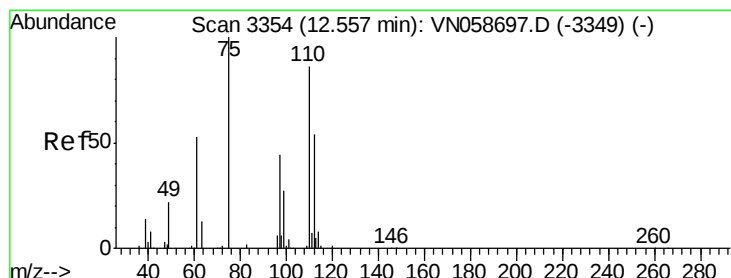
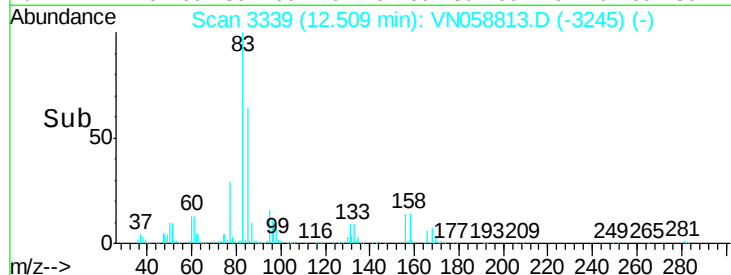
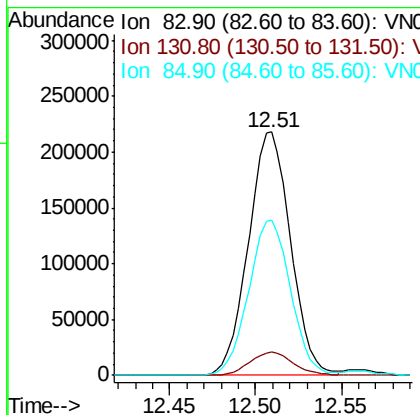
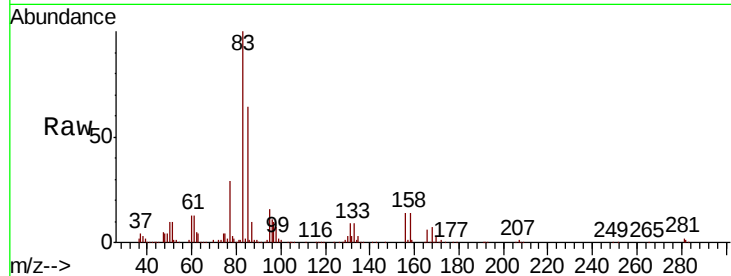
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	370105
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.4
85	63.4	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.354 ug/l m

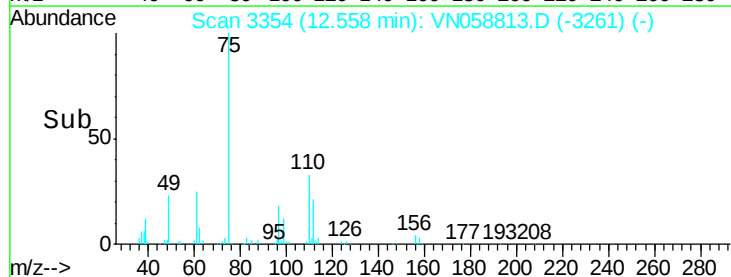
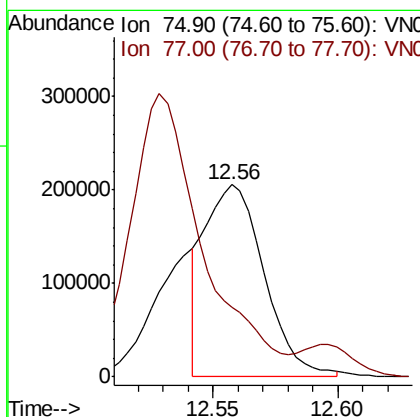
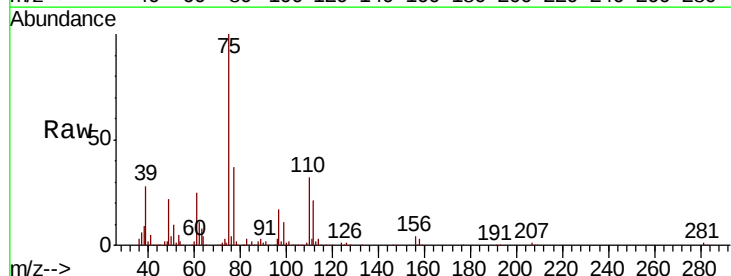
RT: 12.56 min Scan# 3354

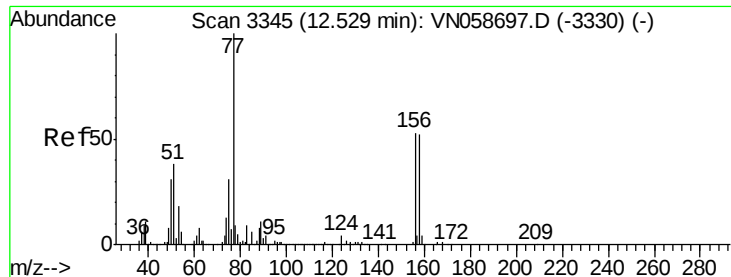
Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion:	75	Resp:	340653
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.798 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

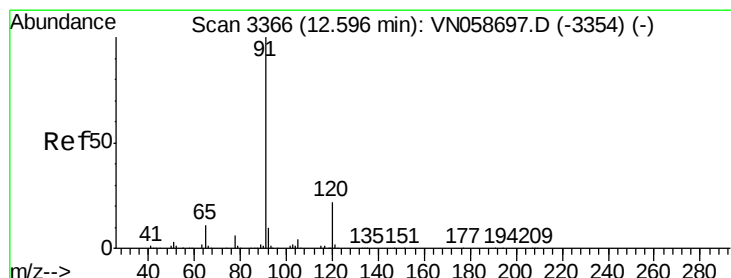
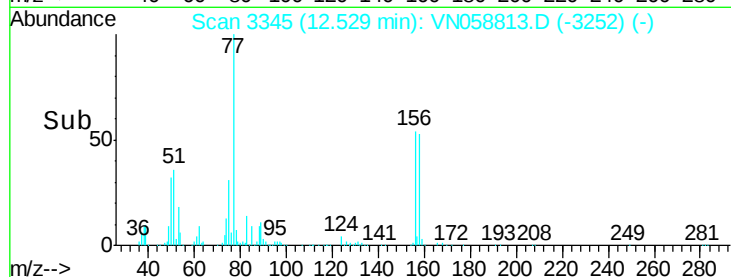
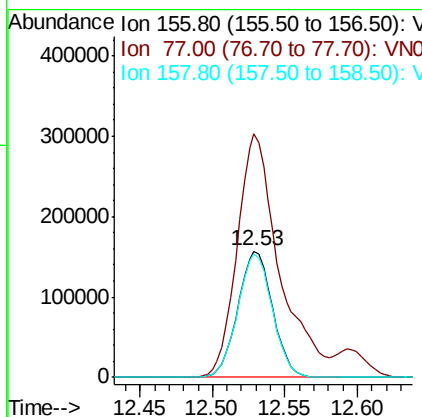
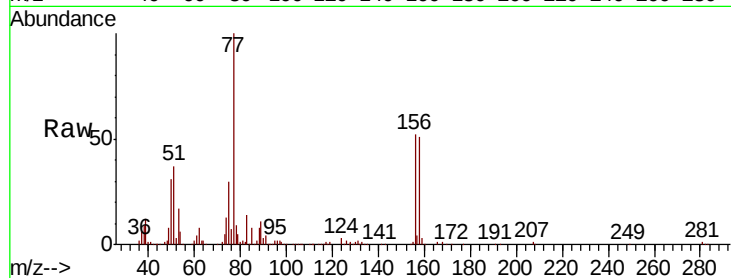
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	260906
Ion Ratio	Lower	Upper	
156	100		
77	233.9	115.8	347.3
158	97.7	48.9	146.6

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#78

n-propylbenzene

Concen: 56.231 ug/l

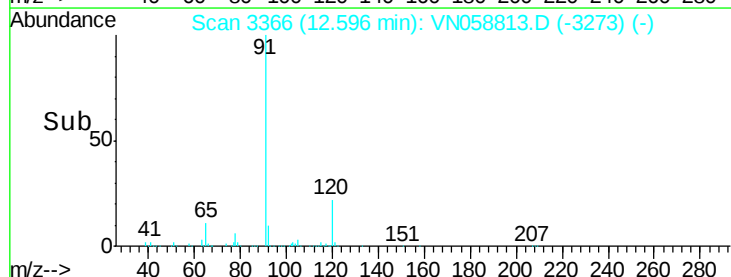
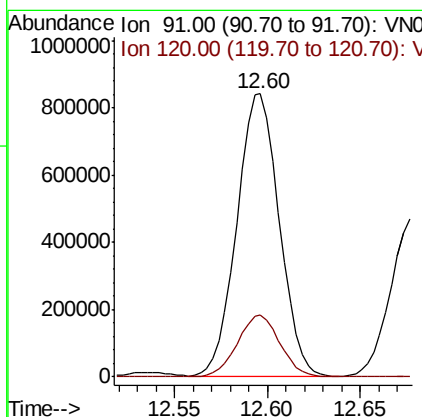
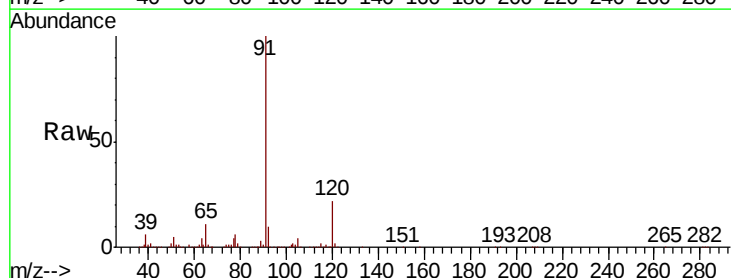
RT: 12.60 min Scan# 3366

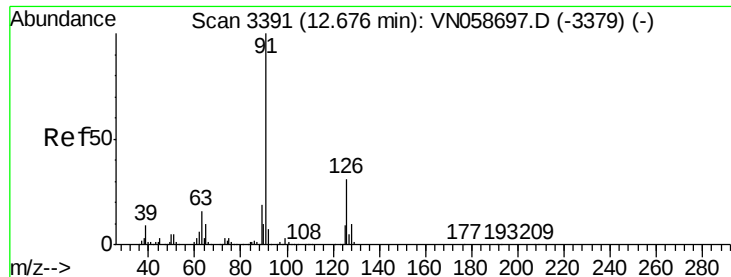
Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion:	91	Resp:	1331205
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.1	33.3





#79

2-Chlorotoluene

Concen: 53.010 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 778907

Ion Ratio Lower Upper

91 100

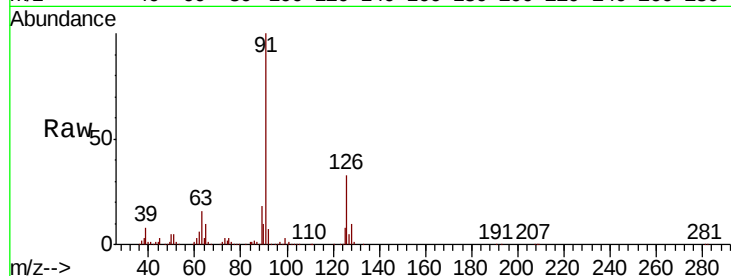
126 32.6 16.2 48.5

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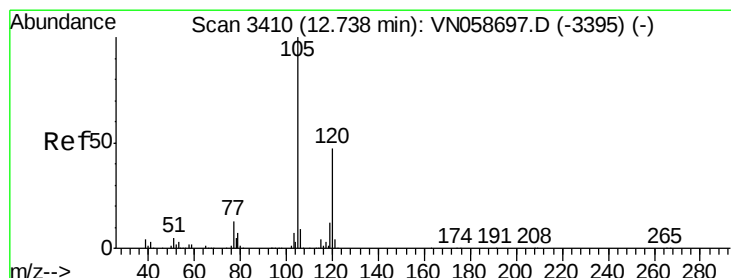
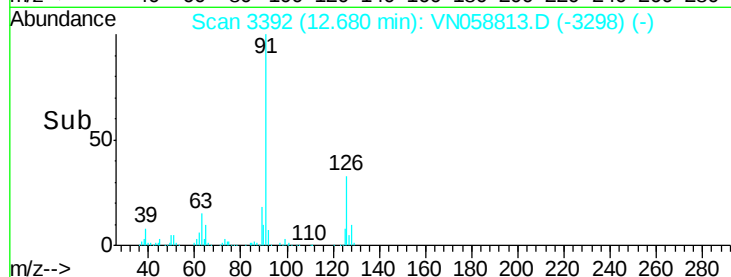
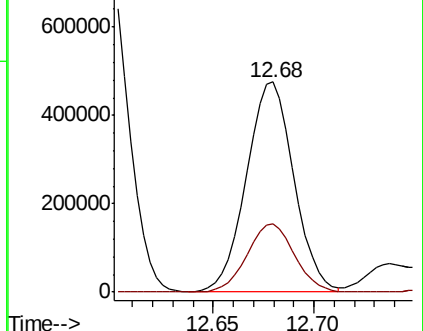
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Abundance Ion 91.00 (90.70 to 91.70): VN058813.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN058813.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.147 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058813.D

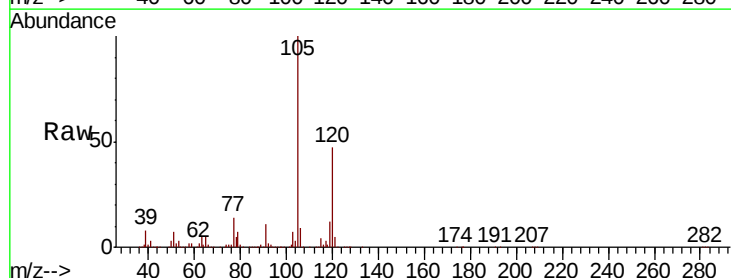
Acq: 16 Oct 2019 19:30

Tgt Ion: 105 Resp: 956519

Ion Ratio Lower Upper

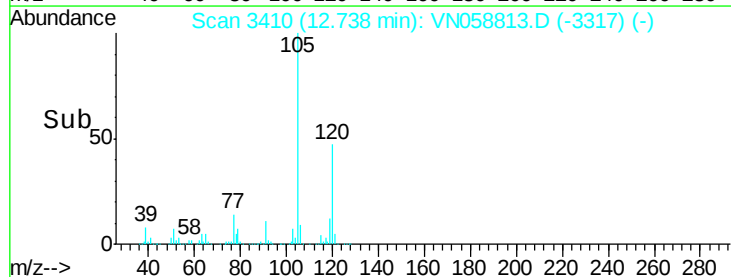
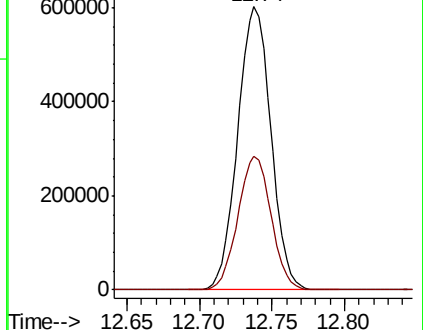
105 100

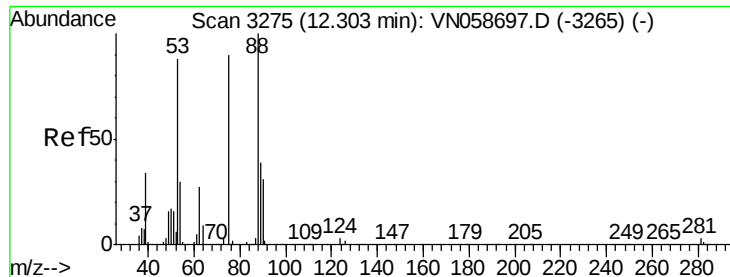
120 47.4 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN058813.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058813.D (-3410) (-)





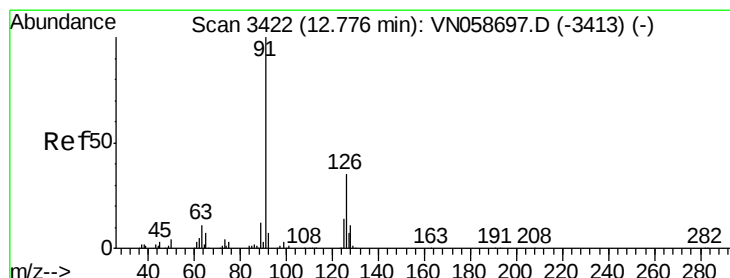
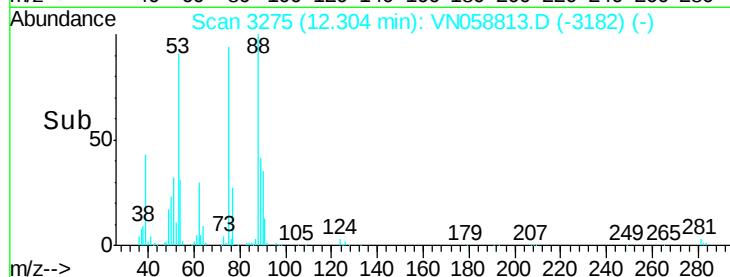
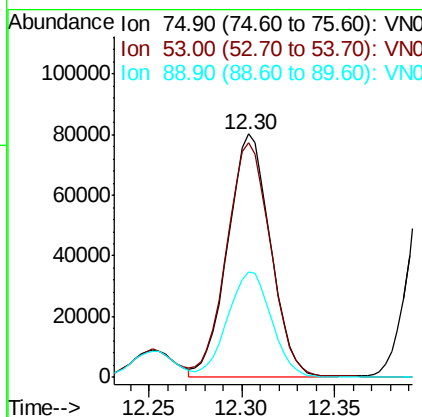
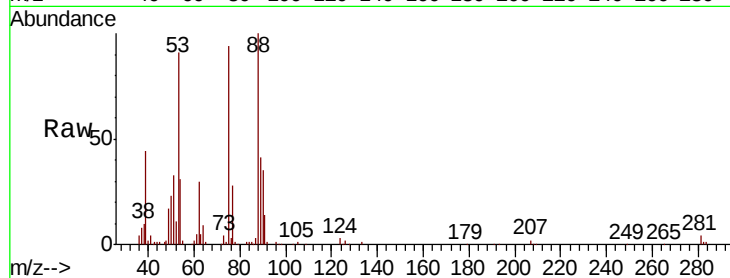
#81
trans-1,4-Dichloro-2-butene
Concen: 55.798 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.4	78.4	117.6
89	44.1	34.9	52.3

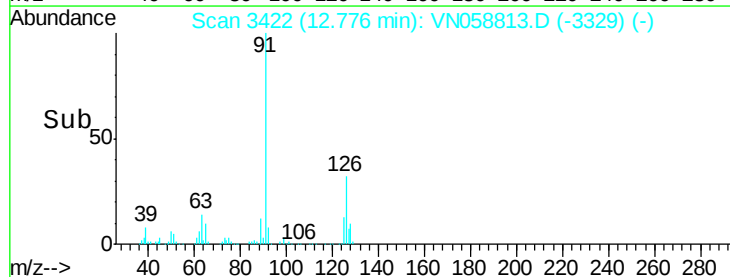
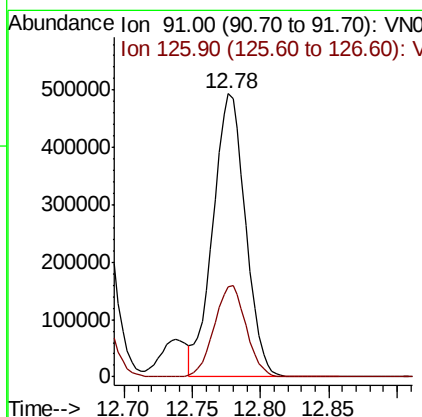
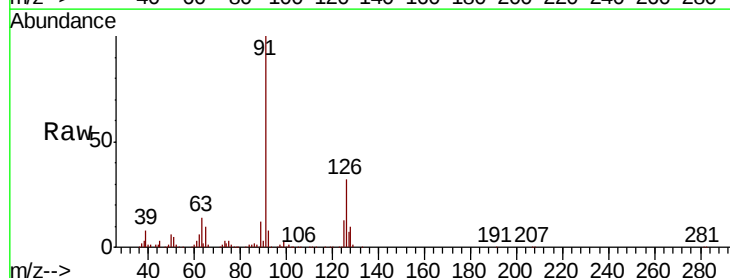
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#82
4-Chlorotoluene
Concen: 54.211 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.9	47.6





#83

tert-Butylbenzene

Concen: 54.335 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

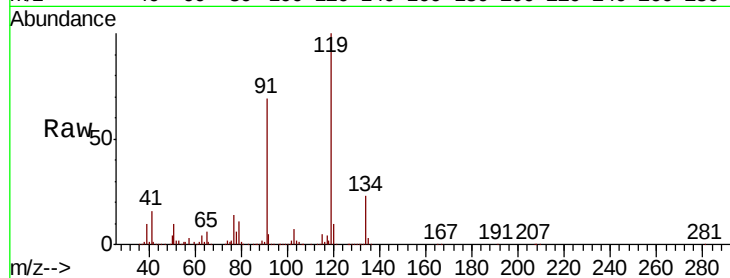
ClientSampleId :

VSTDCCC050EC

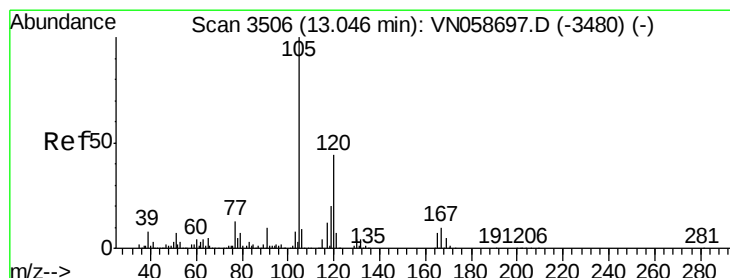
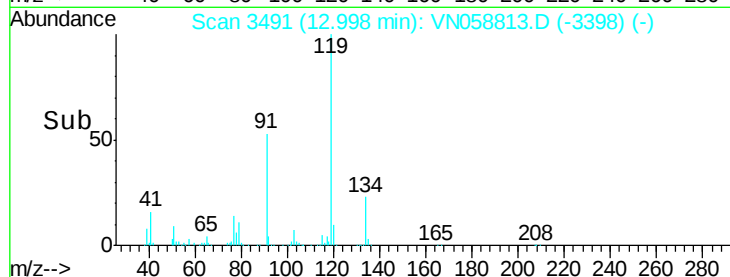
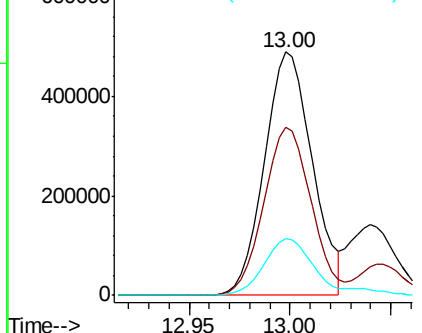
Tot Ion:	119	Resp:	807360
Ion Ratio	Lower	Upper	
119	100		
91	68.2	33.8	101.3
134	25.4	12.6	37.6

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VN
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.216 ug/l

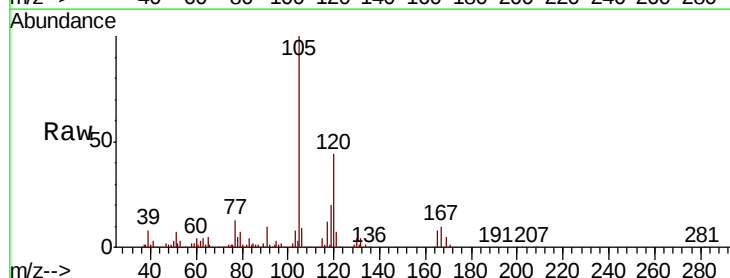
RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

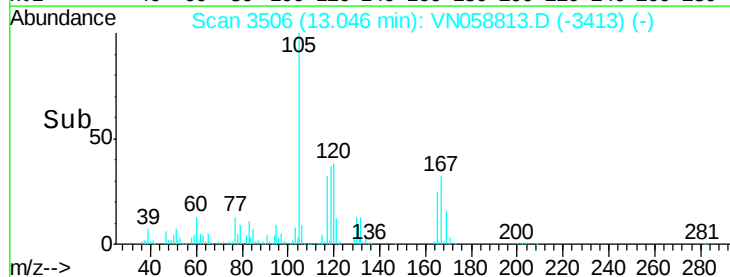
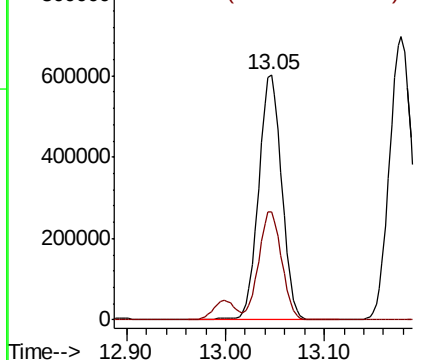
Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion:	105	Resp:	967980
Ion Ratio	Lower	Upper	
105	100		
120	43.9	21.9	65.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.617 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1108498

Ion Ratio Lower Upper

105 100

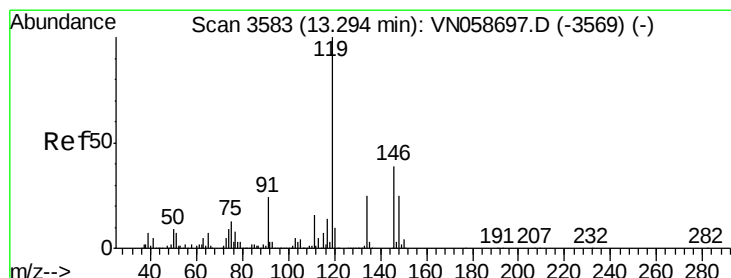
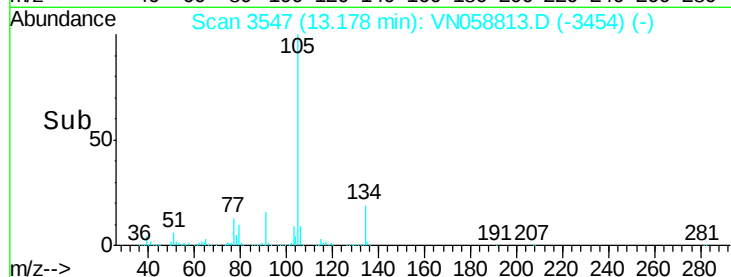
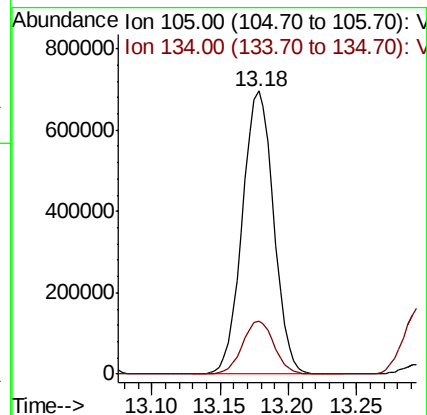
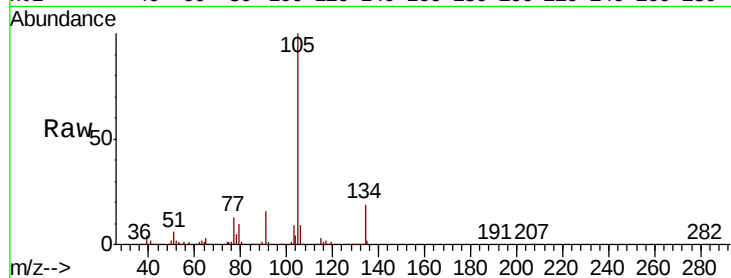
134 19.0 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 55.847 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

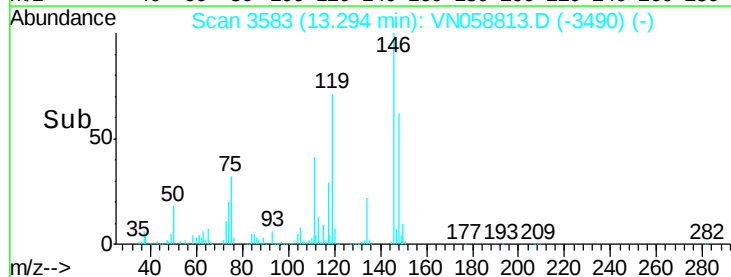
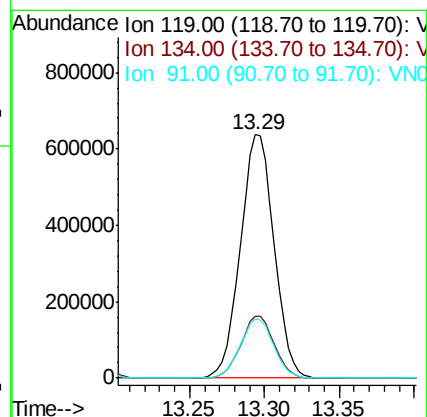
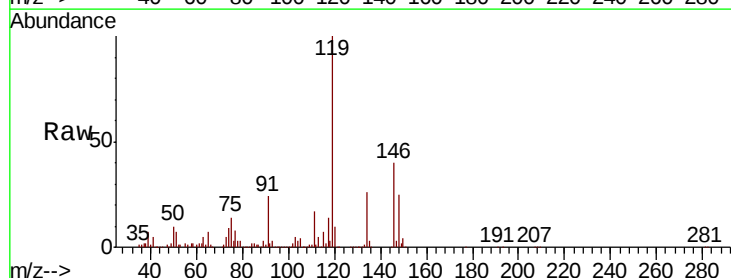
Tgt Ion:119 Resp: 993770

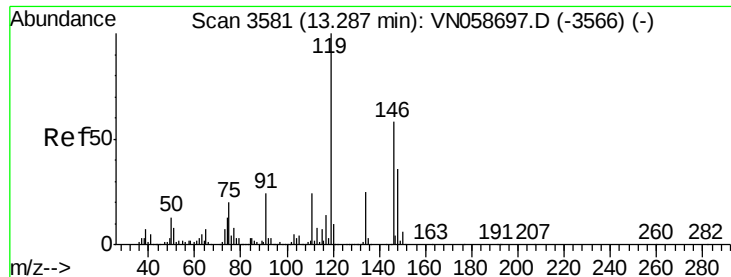
Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 24.2 11.9 35.5





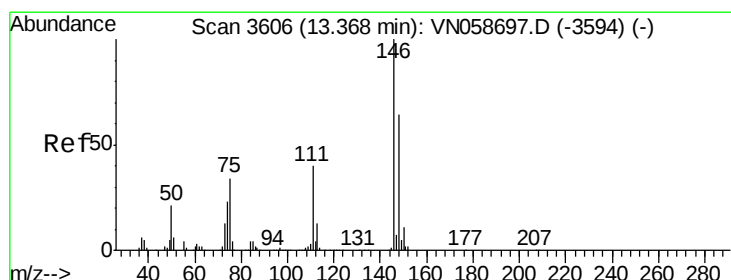
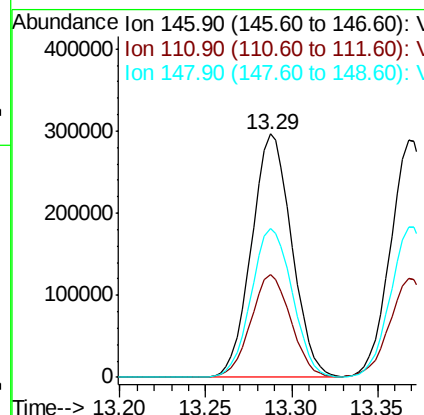
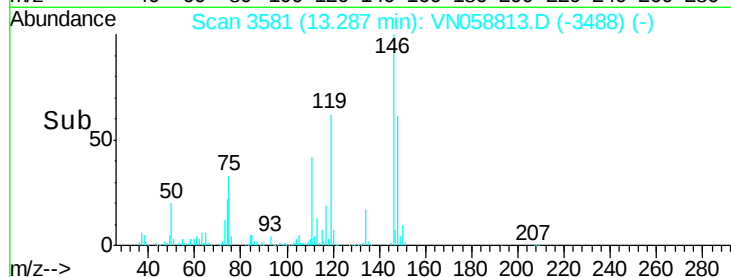
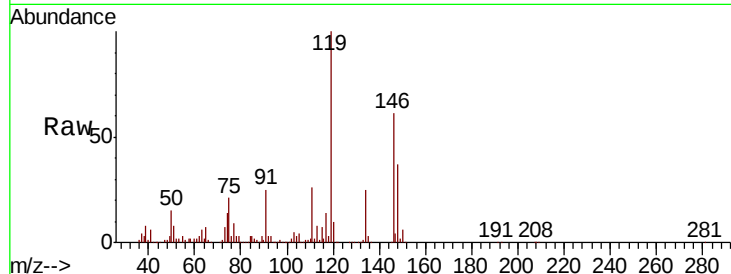
#87
 1,3-Dichlorobenzene
 Concen: 52.665 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	20.5	61.6
148	62.6	31.3	93.9

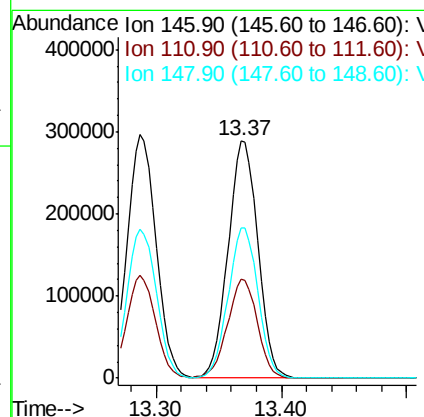
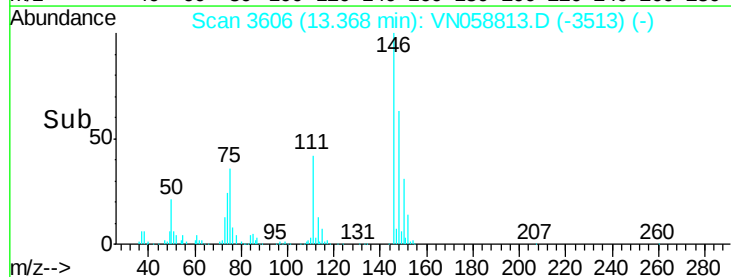
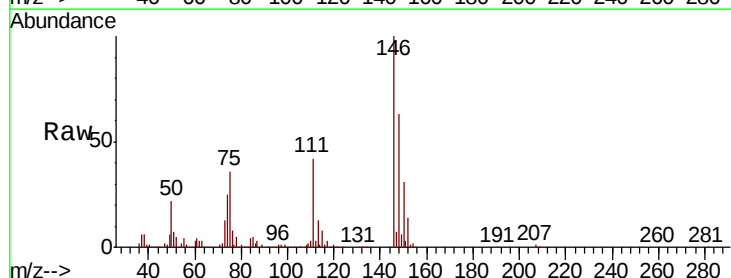
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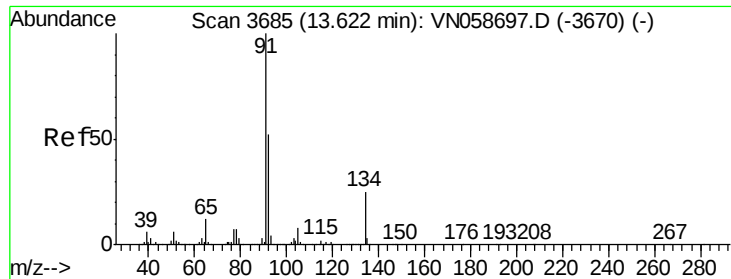
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#88
 1,4-Dichlorobenzene
 Concen: 51.238 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.1	60.2
148	63.7	31.9	95.7





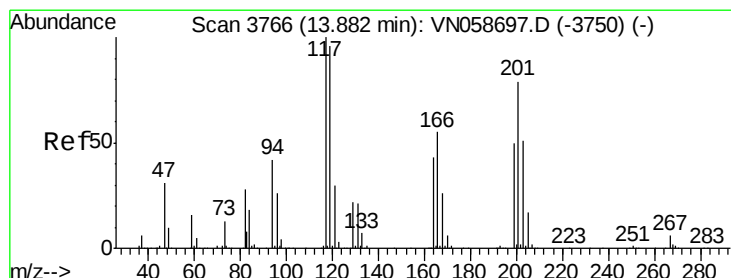
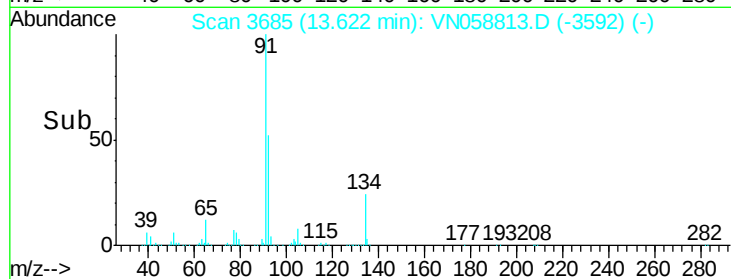
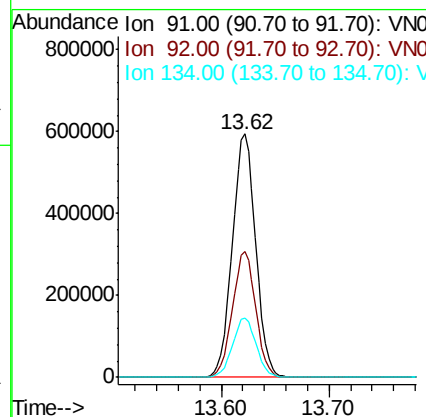
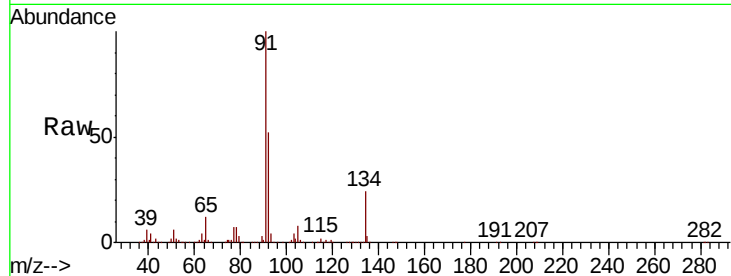
#89
n-Butylbenzene
Concen: 54.549 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	24.5	12.2	36.6

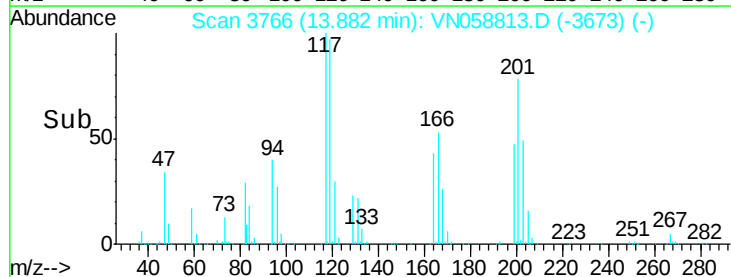
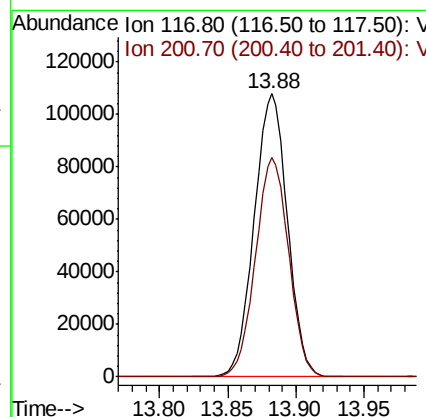
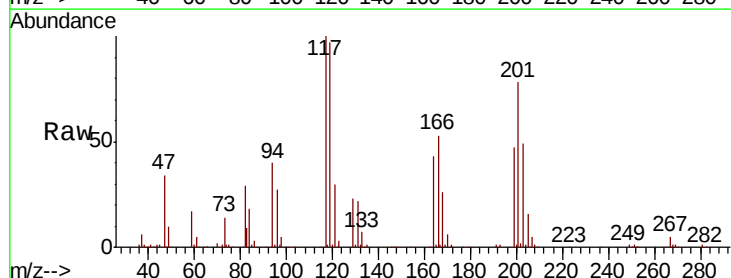
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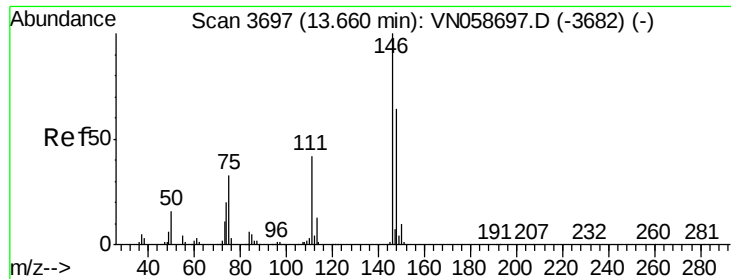
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#90
Hexachloroethane
Concen: 57.239 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.3	39.6	118.7





#91

1,2-Dichlorobenzene

Concen: 53.843 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

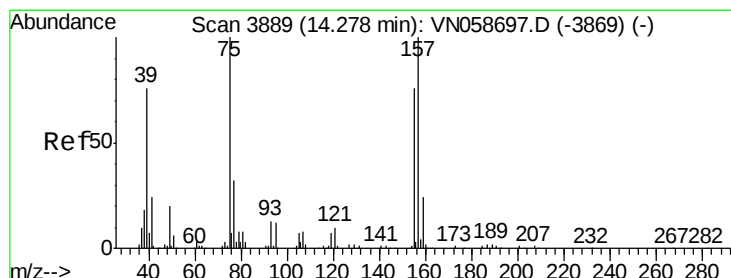
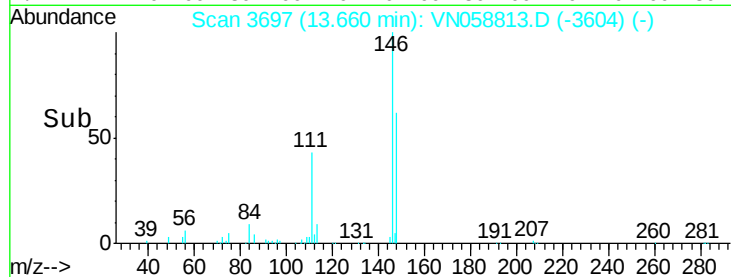
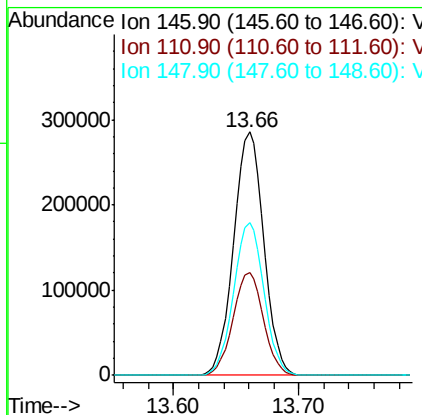
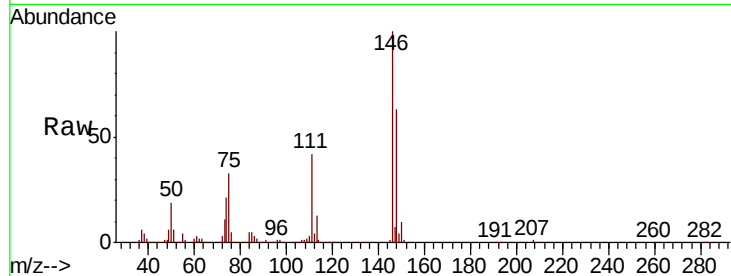
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	478240
Ion Ratio	Lower	Upper	
146	100		
111	42.5	21.1	63.4
148	62.9	31.8	95.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 52.670 ug/l

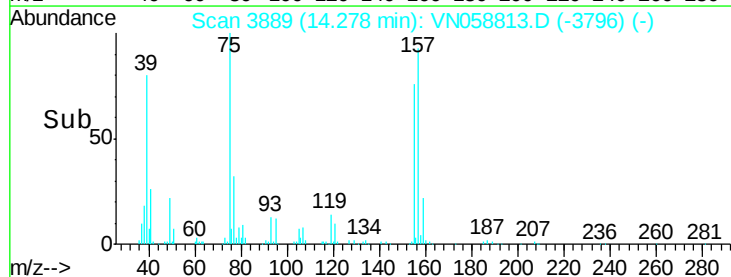
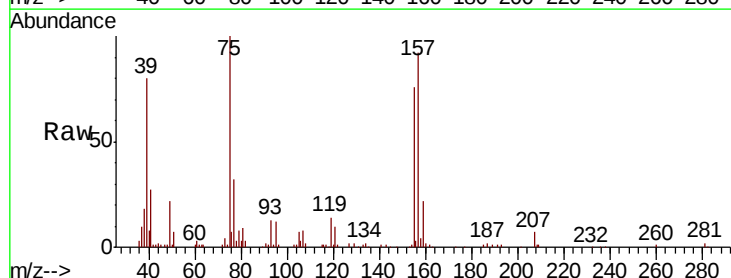
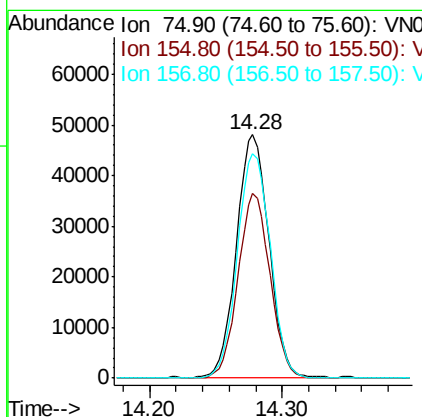
RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion:	75	Resp:	82353
Ion Ratio	Lower	Upper	
75	100		
155	74.0	37.9	113.6
157	92.9	49.4	148.2





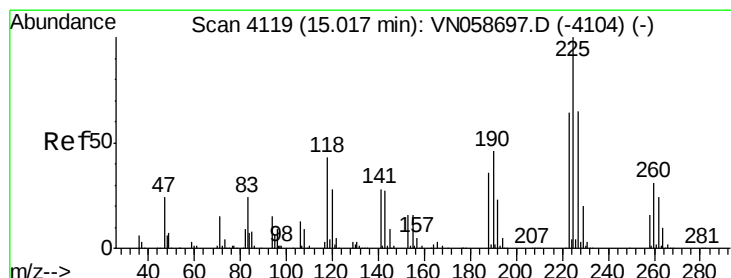
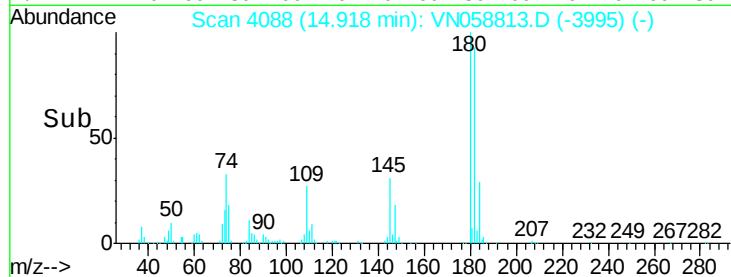
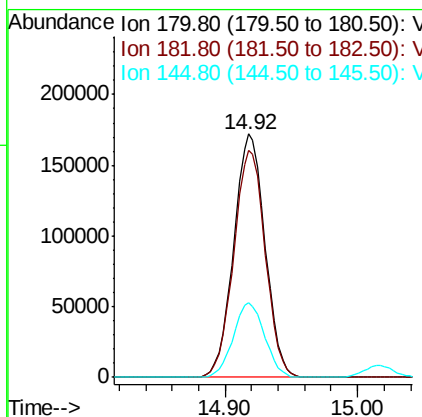
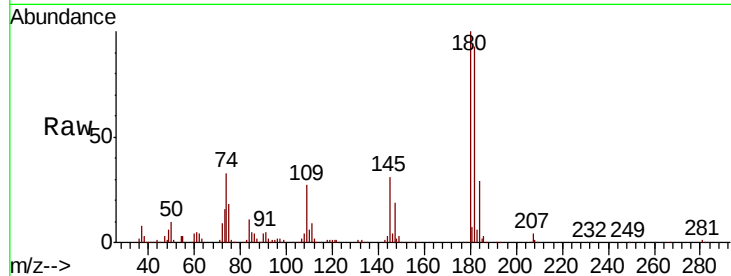
#93
1,2,4-Trichlorobenzene
Concen: 51.869 ug/l
RT: 14.92 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	281038		
182	94.1	47.4	142.2	
145	30.7	15.4	46.2	

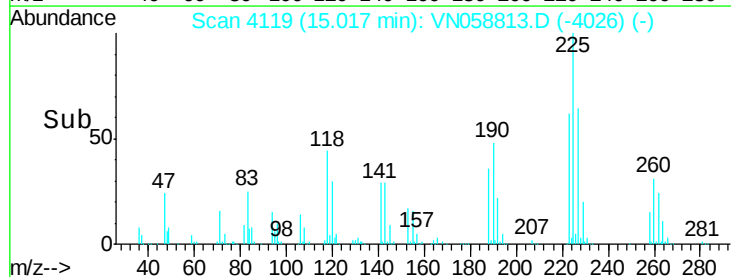
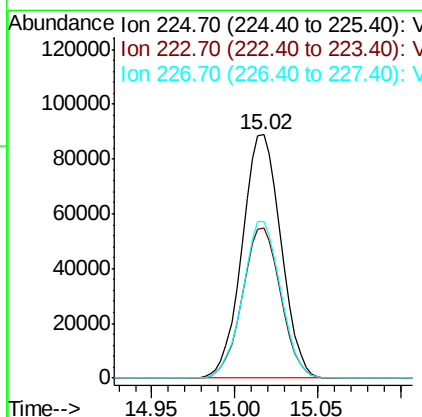
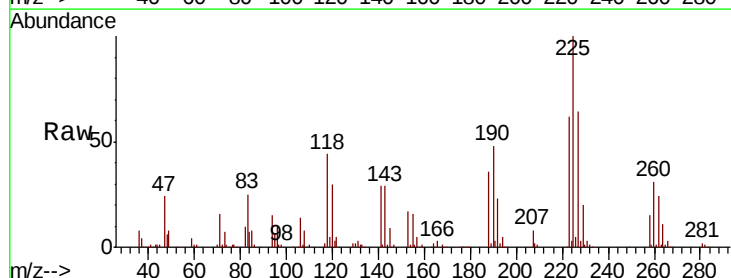
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:32 AM



#94
Hexachlorobutadiene
Concen: 50.857 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	145111		
223	61.0	32.3	96.8	
227	63.1	32.4	97.0	





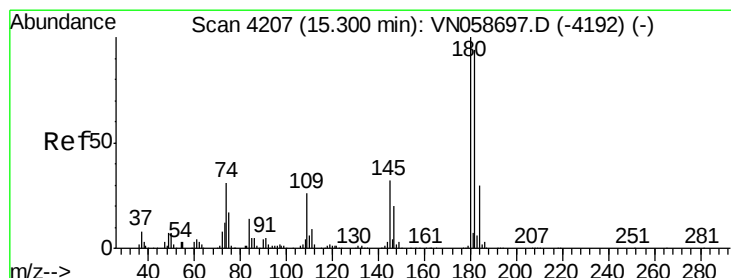
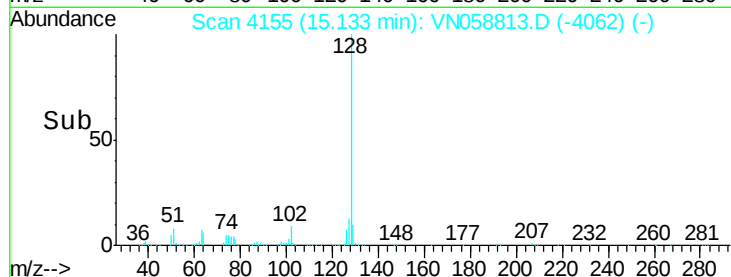
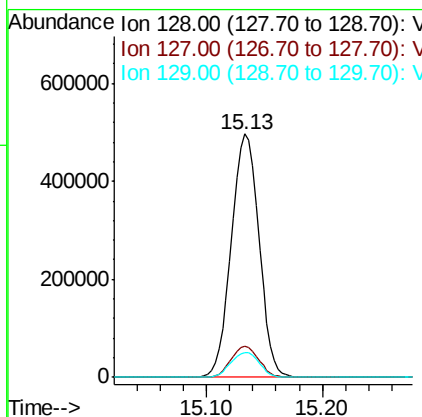
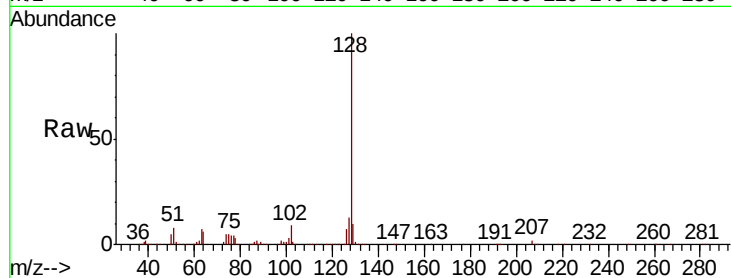
#95
Naphthalene
Concen: 52.855 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	10.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:51:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.269 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	32.7	16.2	48.6

