

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091219\
 Data File : VN057925.D
 Acq On : 11 Sep 2019 15:59
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:07:19 AM

Quant Time: Sep 12 03:06:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	360759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	584177	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	563881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	338570	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	364898	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.57	113	262613	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
50) Toluene-d8	10.09	98	1080210	51.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	12.40	95	393912	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	251863	50.482	ug/l	99
3) Chloromethane	2.03	50	225538	44.354	ug/l	99
4) Vinyl Chloride	2.16	62	238858	44.383	ug/l	99
5) Bromomethane	2.53	94	137665	46.440	ug/l	96
6) Chloroethane	2.67	64	151771	44.256	ug/l	98
7) Trichlorofluoromethane	2.99	101	297871	43.981	ug/l	100
8) Diethyl Ether	3.39	74	132449	46.888	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	205019	47.986	ug/l	99
10) Methyl Iodide	3.93	142	199985	42.063	ug/l	99
11) Tert butyl alcohol	4.77	59	235833	266.669	ug/l	99
12) 1,1-Dichloroethene	3.71	96	170680	44.431	ug/l	95
13) Acrolein	3.58	56	167620	223.406	ug/l	98
14) Allyl chloride	4.29	41	348277	46.328	ug/l	99
15) Acrylonitrile	4.96	53	637362	262.206	ug/l	100
16) Acetone	3.79	43	648223	270.619	ug/l	98
17) Carbon Disulfide	4.02	76	260942	43.665	ug/l	99
18) Methyl Acetate	4.30	43	343883	53.844	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	811118	50.737	ug/l	98
20) Methylene Chloride	4.52	84	231688	50.829	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	187614	45.180	ug/l	96
22) Diisopropyl ether	5.93	45	873098	49.524	ug/l	99
23) Vinyl Acetate	5.87	43	3341397	267.435	ug/l	100
24) 1,1-Dichloroethane	5.82	63	463634	48.119	ug/l	100
25) 2-Butanone	6.82	43	949729	273.943	ug/l	98
26) 2,2-Dichloropropane	6.80	77	380379	49.885	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	267937	48.147	ug/l	99
28) Bromochloromethane	7.18	49	238464	49.540	ug/l	97
29) Tetrahydrofuran	7.19	42	572919	268.181	ug/l	99
30) Chloroform	7.35	83	483350	47.978	ug/l	100
31) Cyclohexane	7.63	56	329613	50.210	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	382812	47.911	ug/l	99
36) 1,1-Dichloropropene	7.78	75	308586	45.548	ug/l	100
37) Ethyl Acetate	6.91	43	364545	52.080	ug/l	100
38) Carbon Tetrachloride	7.76	117	302796	48.953	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	335722	47.139	ug/l	100
40) Benzene	8.03	78	983186	48.203	ug/l	100
41) Methacrylonitrile	7.16	41	159918m	50.330	ug/l	
42) 1,2-Dichloroethane	8.11	62	401482	49.217	ug/l	100
43) Isopropyl Acetate	8.15	43	621777	52.822	ug/l	100
44) Trichloroethene	8.82	130	236127	47.199	ug/l	98
45) 1,2-Dichloropropane	9.11	63	292386	49.263	ug/l	100
46) Dibromomethane	9.20	93	178212	49.689	ug/l	100
47) Bromodichloromethane	9.40	83	370414	51.720	ug/l	97
48) Methyl methacrylate	9.19	41	305197	51.112	ug/l	99
49) 1,4-Dioxane	9.19	88	99379	984.168	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1987130	285.266	ug/l	99
52) Toluene	10.15	92	635122	49.439	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	403643	53.520	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	433632	52.077	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	278494	51.177	ug/l	98
56) Ethyl methacrylate	10.43	69	436539	53.271	ug/l	99
57) 1,3-Dichloropropane	10.71	76	475442	50.697	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1027792	266.293	ug/l	100
59) 2-Hexanone	10.75	43	1526156	292.300	ug/l	100
60) Dibromochloromethane	10.90	129	266974	52.833	ug/l	99
61) 1,2-Dibromoethane	11.00	107	265051	51.520	ug/l	100
64) Tetrachloroethene	10.63	164	192129	46.147	ug/l	97
65) Chlorobenzene	11.43	112	711201	48.194	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	258998	50.579	ug/l	98
67) Ethyl Benzene	11.51	91	1293811	50.027	ug/l	100
68) m/p-Xylenes	11.62	106	947092	99.973	ug/l	100
69) o-Xylene	11.95	106	469536	49.855	ug/l	98
70) Styrene	11.97	104	833530	51.426	ug/l	100
71) Bromoform	12.13	173	173135	54.231	ug/l #	99
73) Isopropylbenzene	12.25	105	1319688	50.232	ug/l	100
74) N-amyl acetate	12.07	43	607008	53.090	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	439137	49.644	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	372549m	48.642	ug/l	
77) Bromobenzene	12.53	156	305440	46.631	ug/l	99
78) n-propylbenzene	12.59	91	1562553	51.795	ug/l	99
79) 2-Chlorotoluene	12.68	91	918205	48.156	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1145810	51.617	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	117295	53.892	ug/l	97
82) 4-Chlorotoluene	12.78	91	965526	49.310	ug/l	100
83) tert-Butylbenzene	13.00	119	975697	49.447	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1164794	51.628	ug/l	99
85) sec-Butylbenzene	13.18	105	1352409	51.710	ug/l	100
86) p-Isopropyltoluene	13.29	119	1223457	53.092	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	590806	49.140	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	593173	48.605	ug/l	100
89) n-Butylbenzene	13.62	91	1153490	53.005	ug/l	100
90) Hexachloroethane	13.88	117	180798	52.755	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	591367	49.234	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	81898	56.063	ug/l	99

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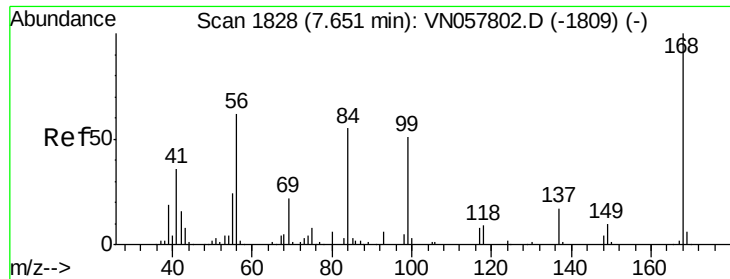
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	372912	47.500	ug/l	98
94) Hexachlorobutadiene	15.02	225	166237	49.951	ug/l	97
95) Naphthalene	15.13	128	1109571	56.177	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	355295	51.802	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 360759

Ion Ratio Lower Upper

168 100

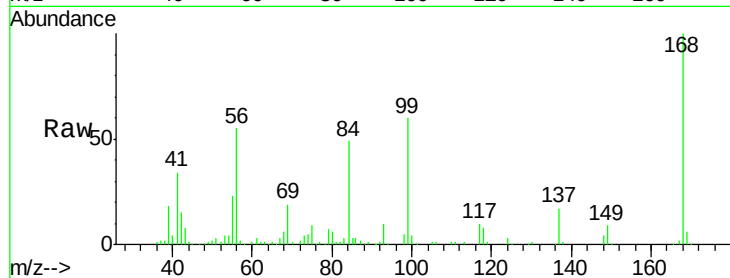
99 59.5 48.0 72.0

Manual Integrations

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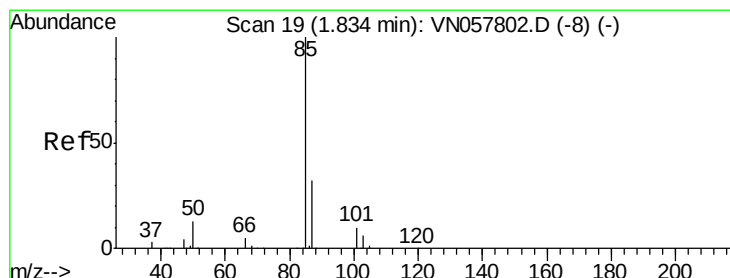
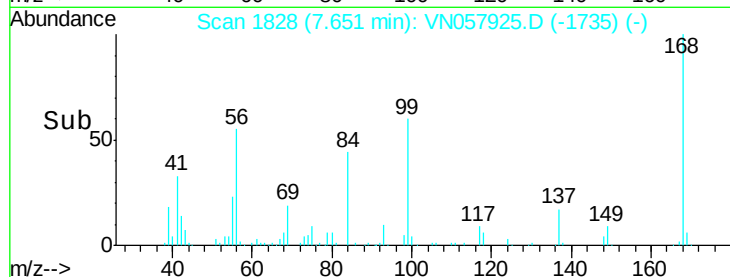
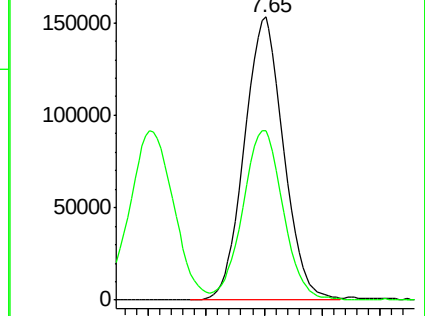
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.482 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057925.D

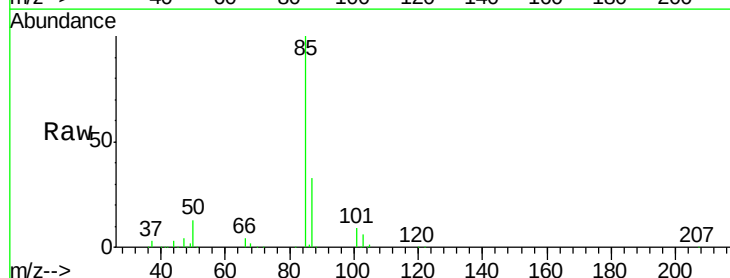
Acq: 11 Sep 2019 15:59

Tgt Ion: 85 Resp: 251863

Ion Ratio Lower Upper

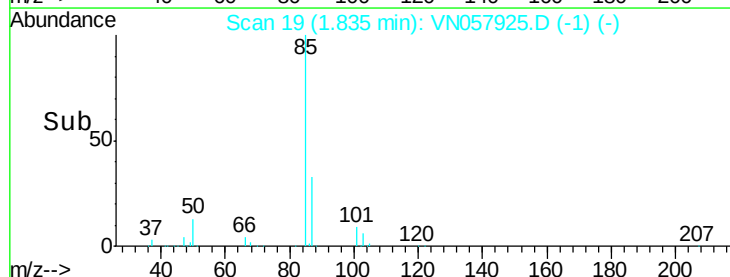
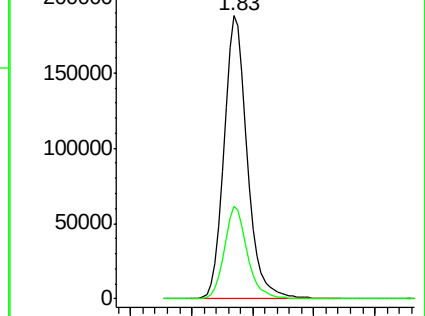
85 100

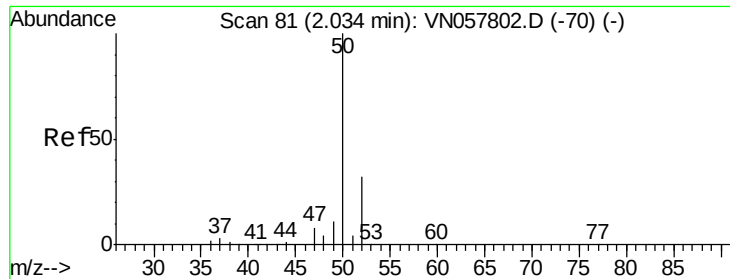
87 32.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.354 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 22538

Ion Ratio Lower Upper

50 100

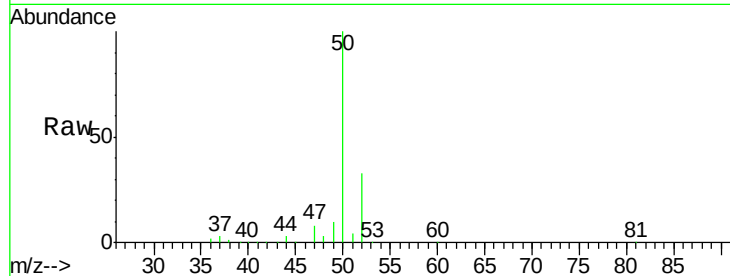
52 32.5 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

200000

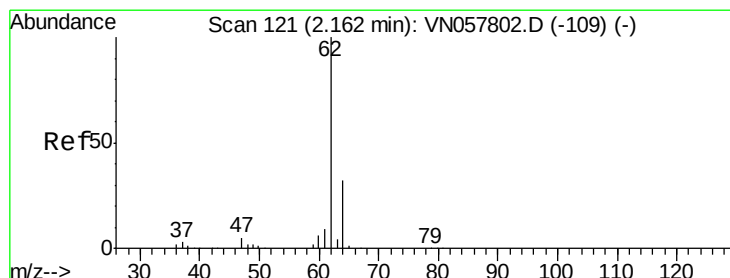
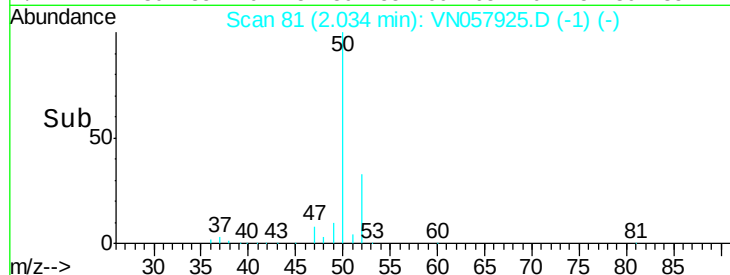
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 44.383 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057925.D

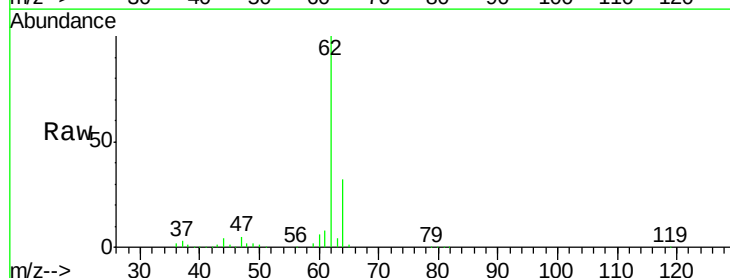
Acq: 11 Sep 2019 15:59

Tgt Ion: 62 Resp: 238858

Ion Ratio Lower Upper

62 100

64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

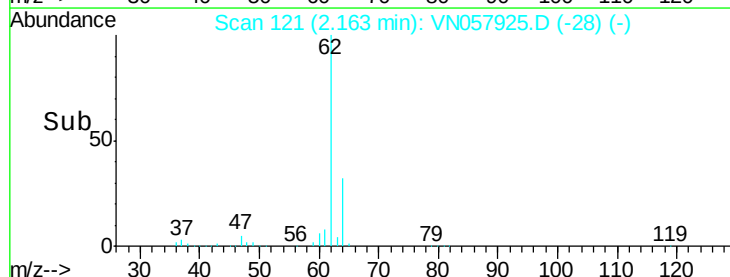
150000

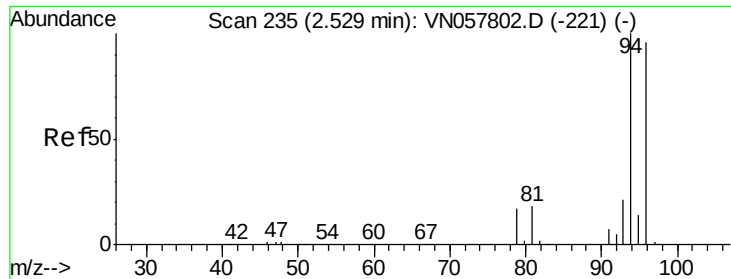
100000

50000

0

Time-->





#5

Bromomethane

Concen: 46.440 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 137665

Ion Ratio Lower Upper

94 100

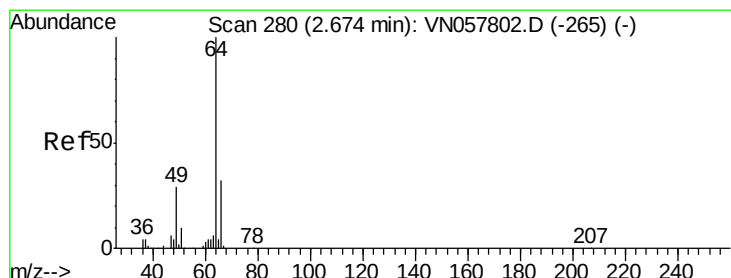
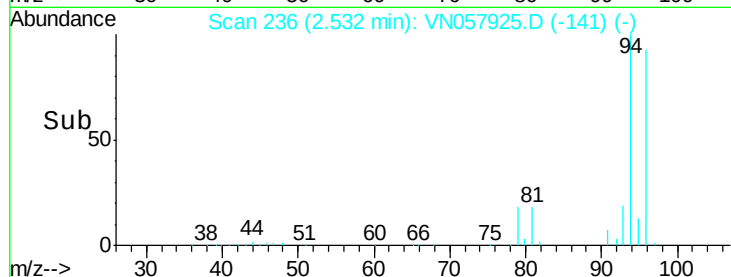
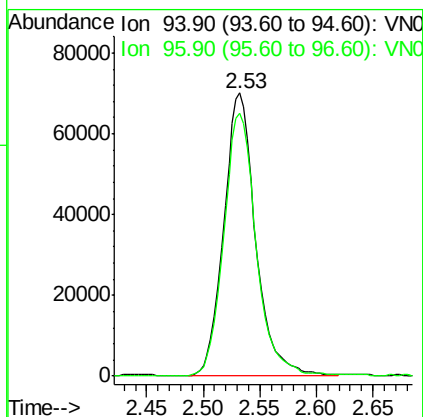
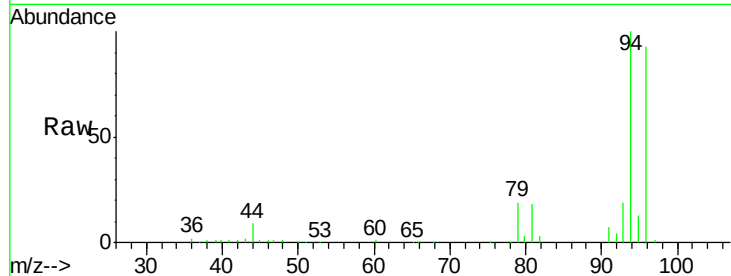
96 92.7 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 44.256 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN057925.D

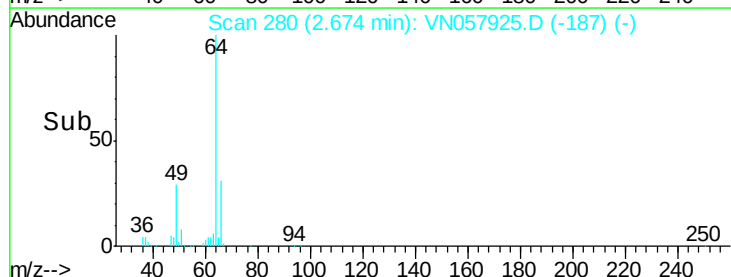
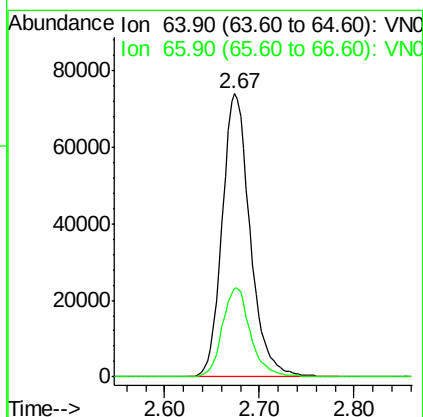
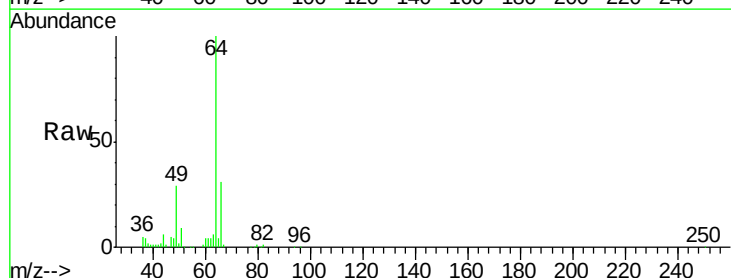
Acq: 11 Sep 2019 15:59

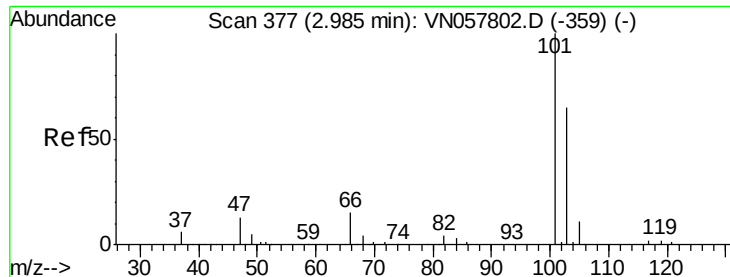
Tgt Ion: 64 Resp: 151771

Ion Ratio Lower Upper

64 100

66 31.0 25.5 38.3





#7

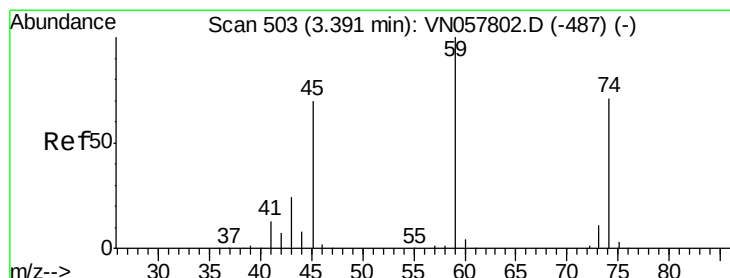
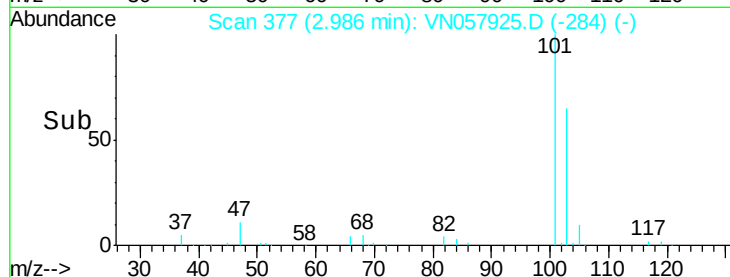
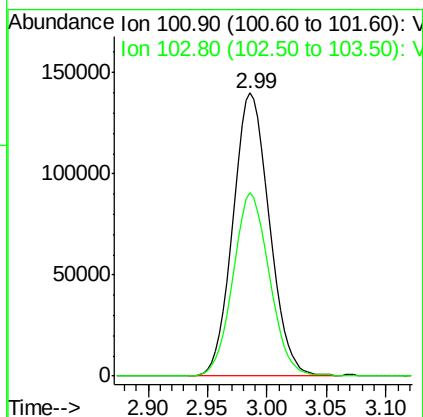
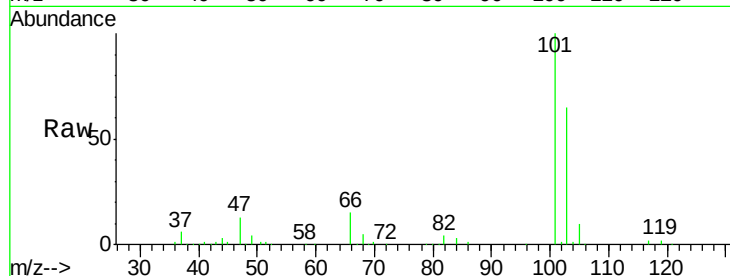
Trichlorofluoromethane
Concen: 43.981 ug/l
RT: 2.99 min Scan# 377
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	297871		
103	64.7	51.9	77.9	

Manual Integrations
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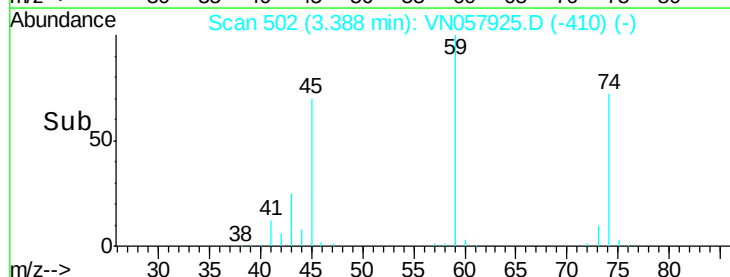
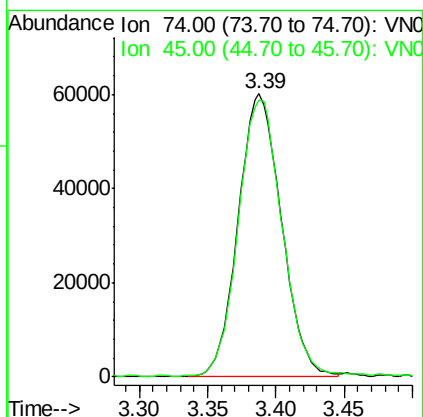
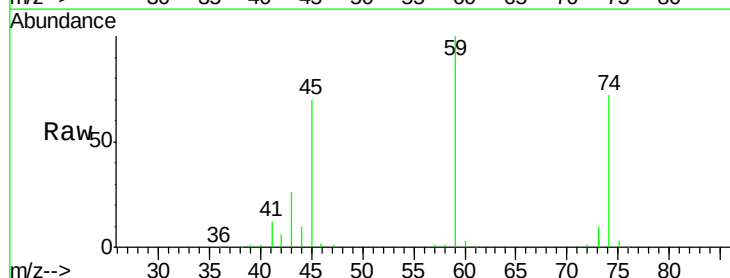
MMDadoda
9/13/2019 11:07:19 AM

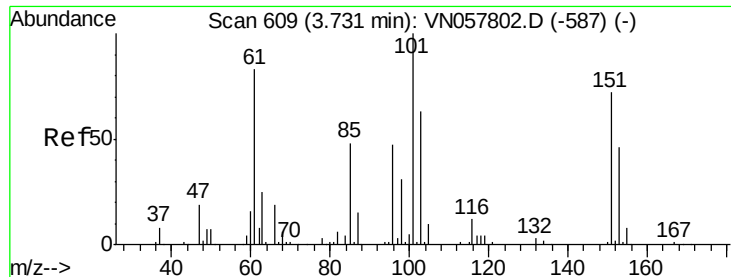


#8

Diethyl Ether
Concen: 46.888 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	132449		
45	98.9	50.3	151.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.986 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

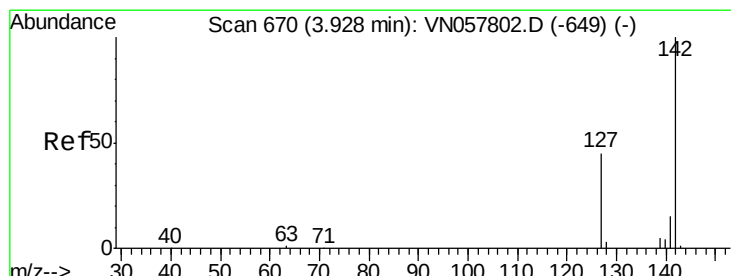
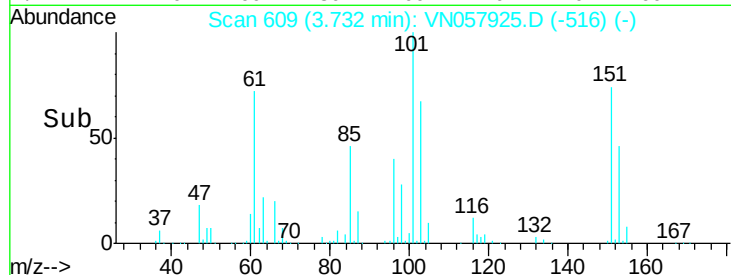
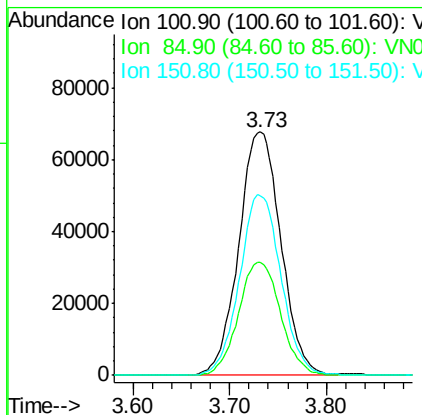
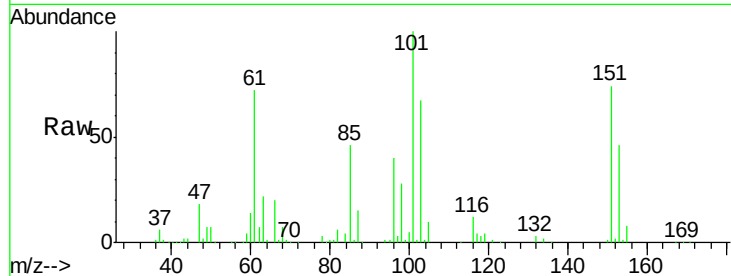
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	205019
Ion Ratio	Lower	Upper	
101	100		
85	46.3	38.1	57.1
151	73.1	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
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#10

Methyl Iodide

Concen: 42.063 ug/l

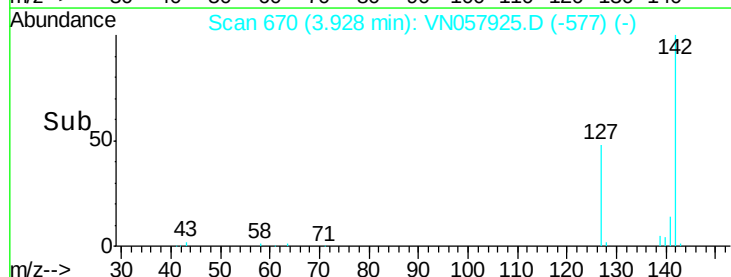
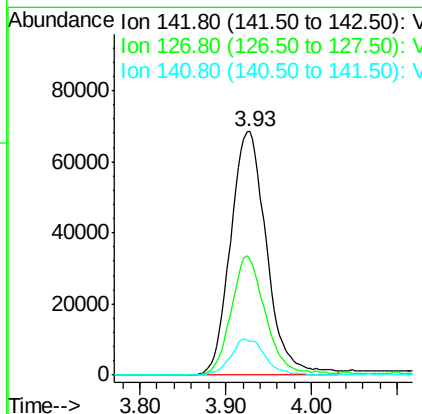
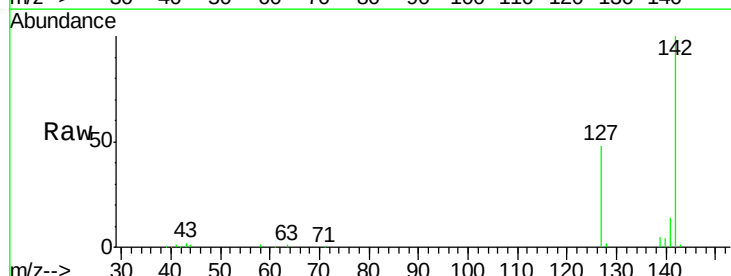
RT: 3.93 min Scan# 670

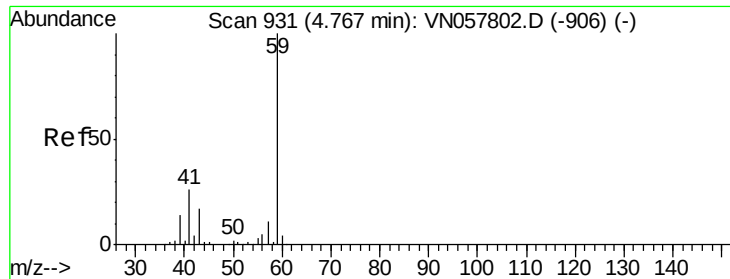
Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Tgt Ion:	142	Resp:	199985
Ion Ratio	Lower	Upper	
142	100		
127	46.7	36.7	55.1
141	14.2	11.4	17.0





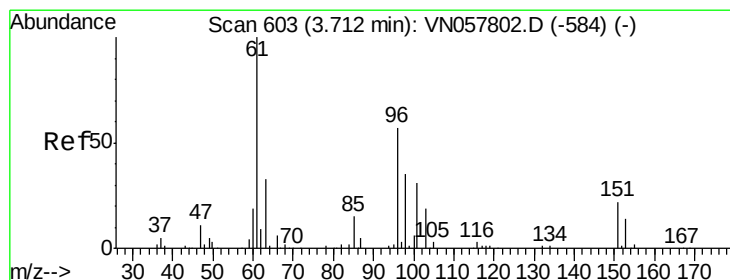
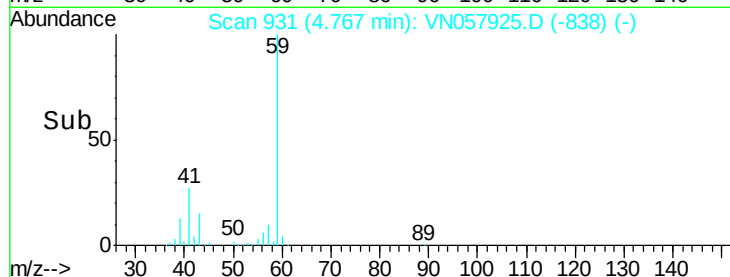
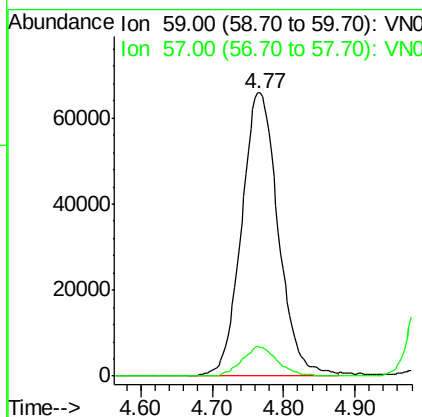
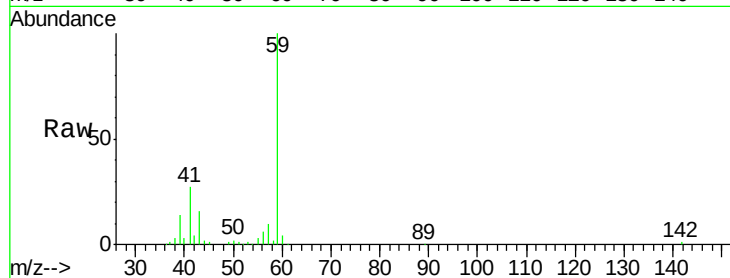
#11
Tert butyl alcohol
Concen: 266.669 ug/l
RT: 4.77 min Scan# 931
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.4	12.6

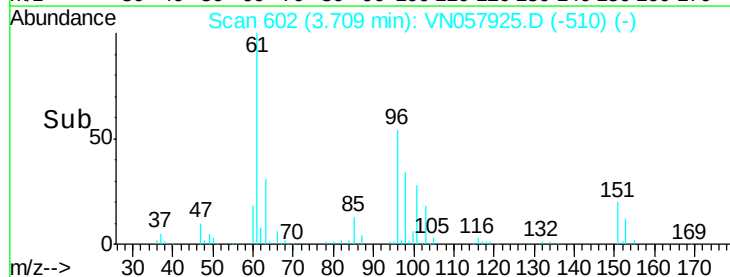
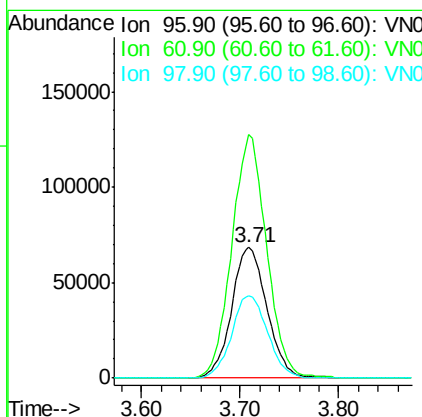
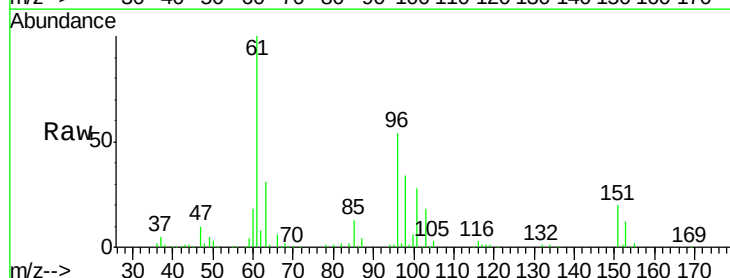
Manual Integrations
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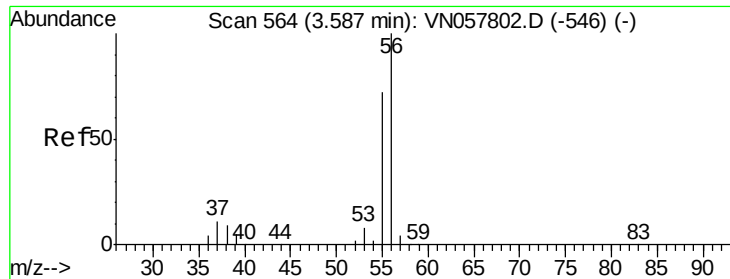
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#12
1,1-Dichloroethene
Concen: 44.431 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.2	141.2	211.8
98	62.6	49.9	74.9





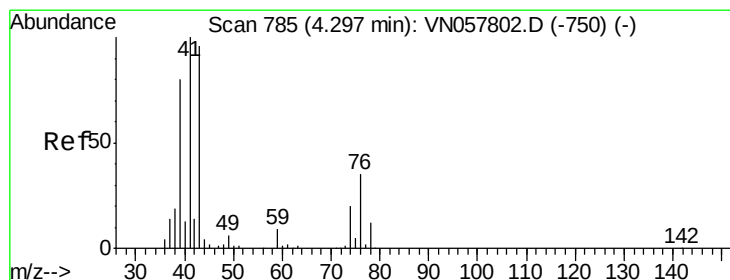
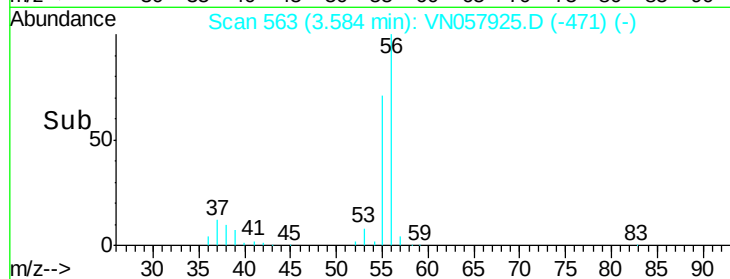
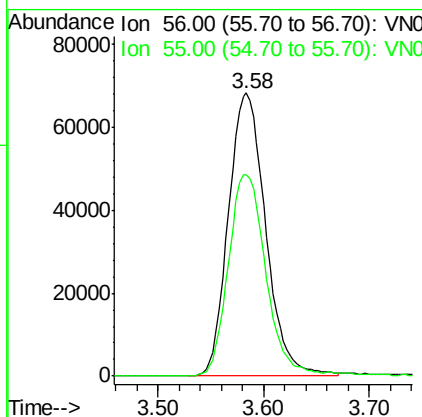
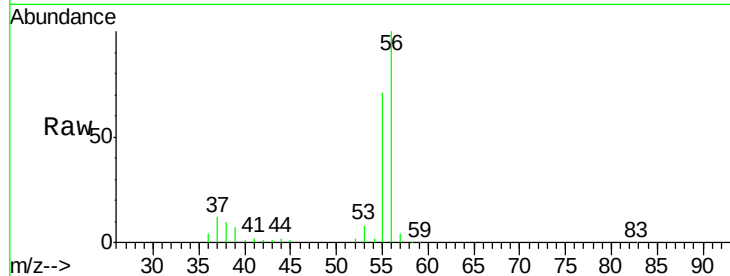
#13
Acrolein
Concen: 223.406 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.3	85.9

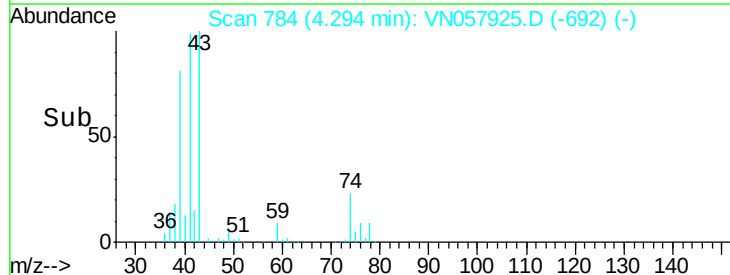
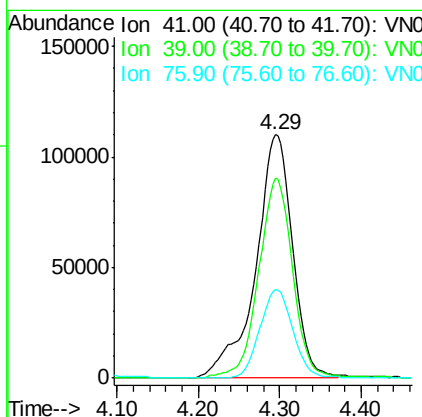
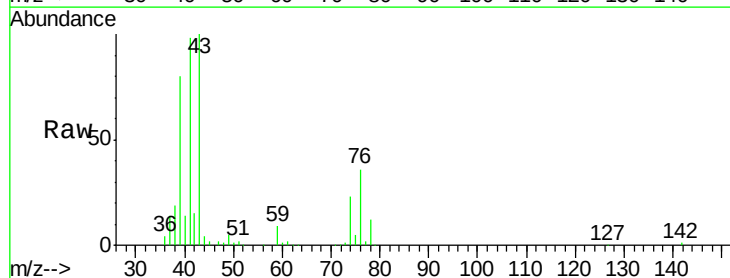
Manual Integrations
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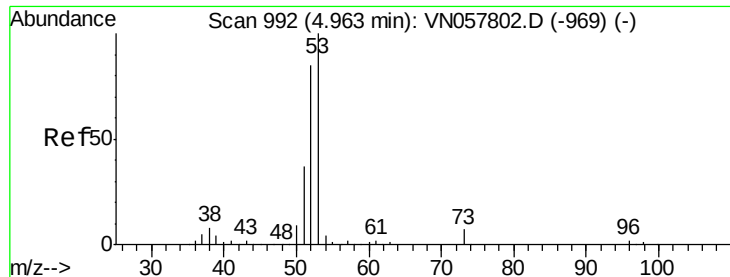
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#14
Allyl chloride
Concen: 46.328 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
41	100		
39	75.4	59.4	89.2
76	32.3	26.0	39.0





#15

Acrylonitrile

Concen: 262.206 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.01 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

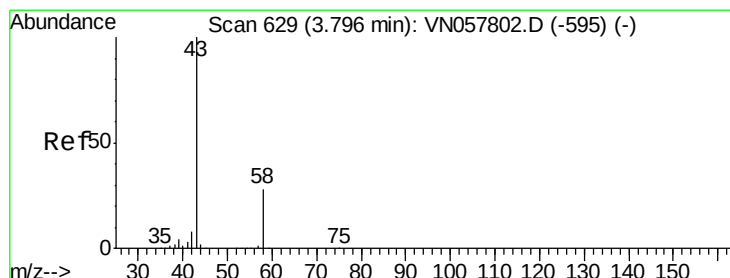
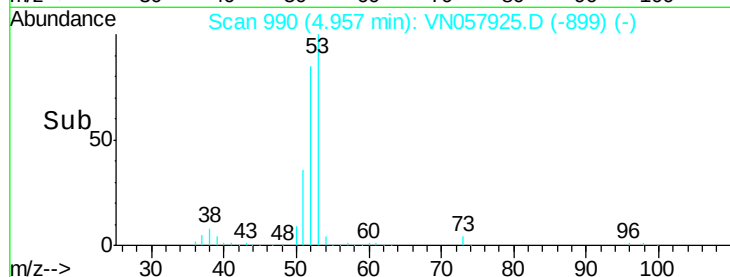
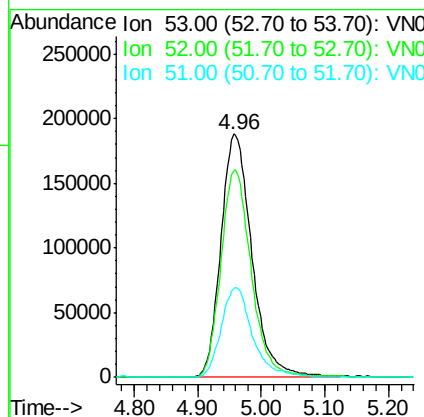
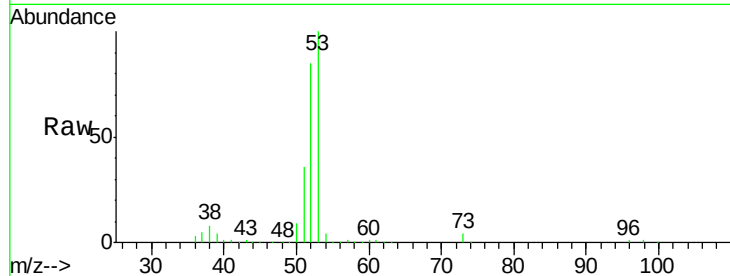
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	637362
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.6	100.0
51	37.4	29.8	44.8

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#16

Acetone

Concen: 270.619 ug/l

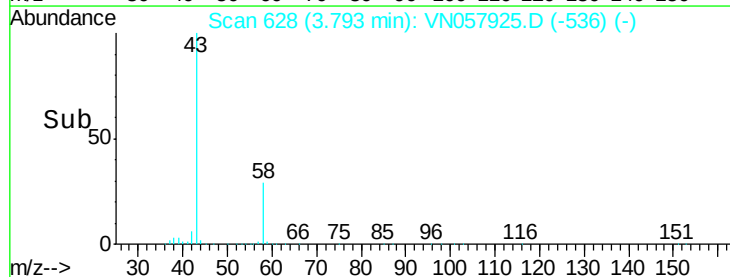
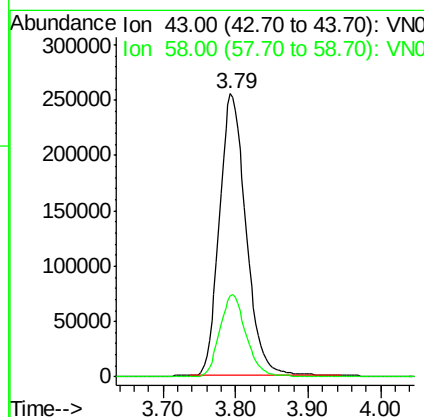
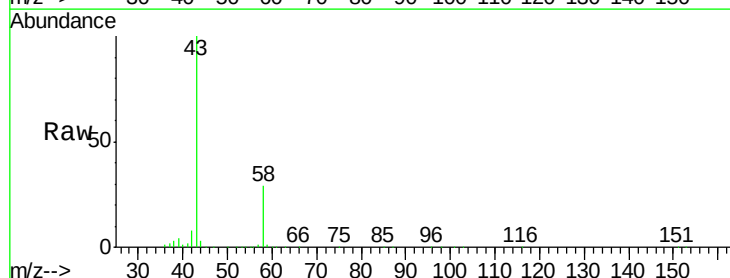
RT: 3.79 min Scan# 628

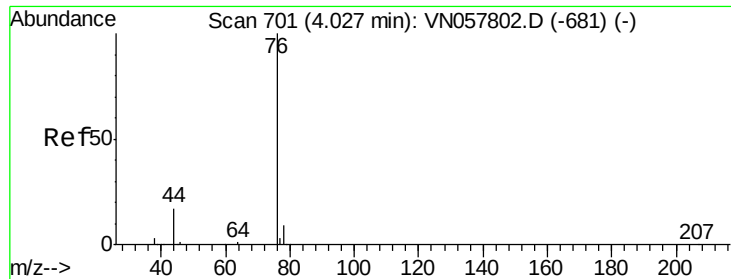
Delta R.T. -0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Tgt Ion:	43	Resp:	648223
Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.2	33.2





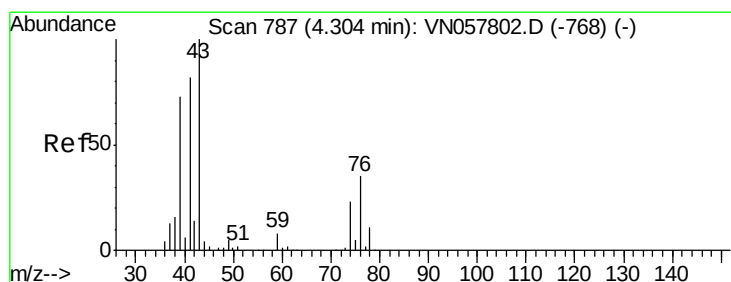
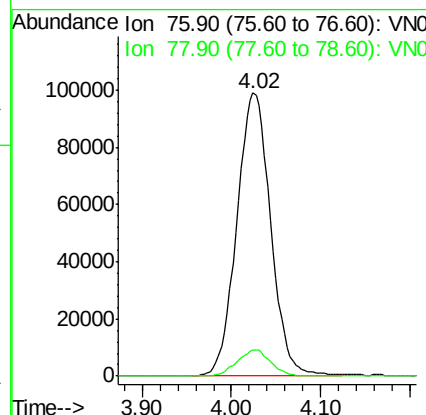
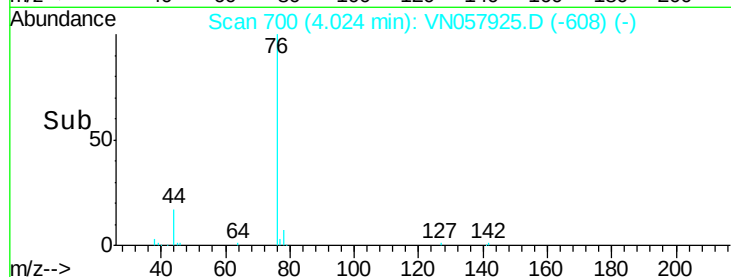
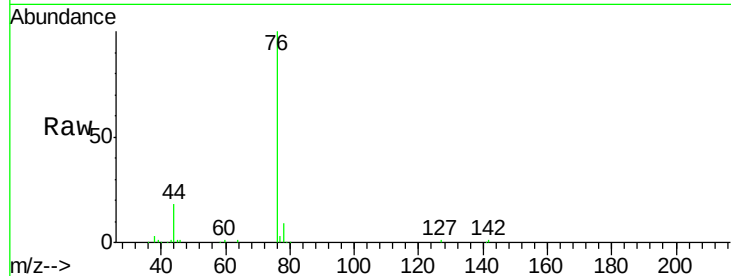
#17
Carbon Disulfide
Concen: 43.665 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 260942
Ion Ratio Lower Upper
76 100
78 9.2 7.1 10.7

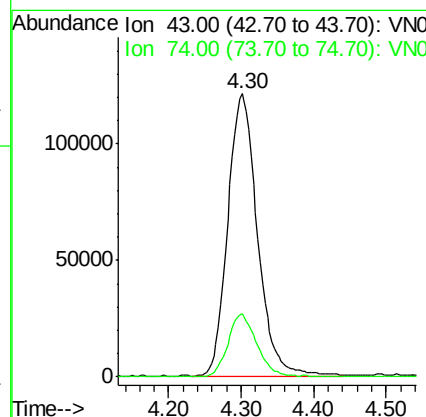
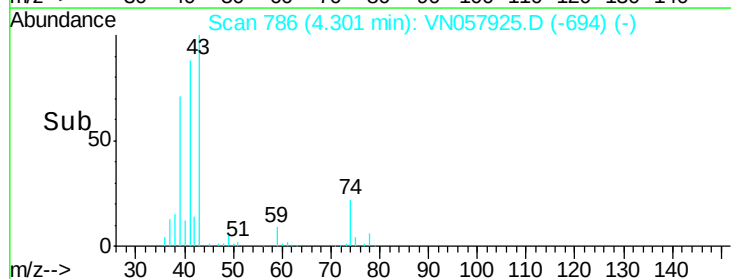
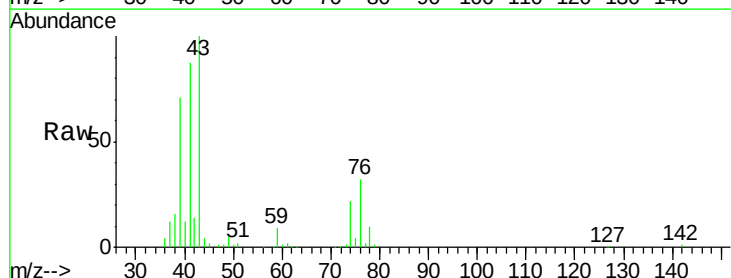
Manual Integrations
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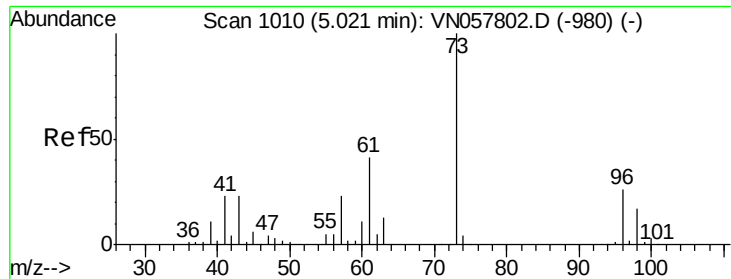
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#18
Methyl Acetate
Concen: 53.844 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion: 43 Resp: 343883
Ion Ratio Lower Upper
43 100
74 21.7 17.9 26.9





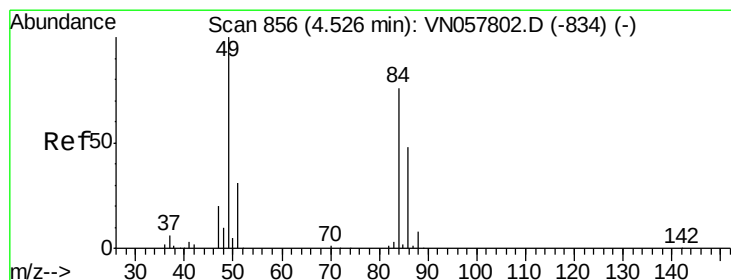
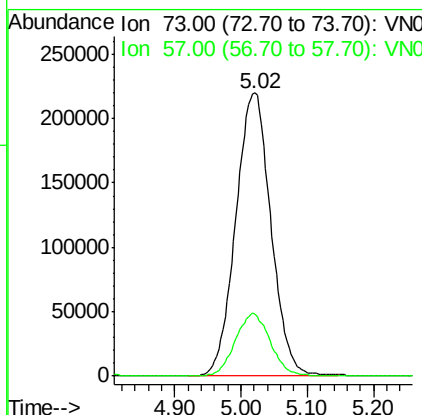
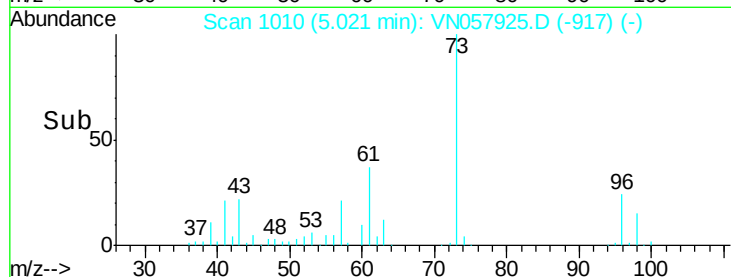
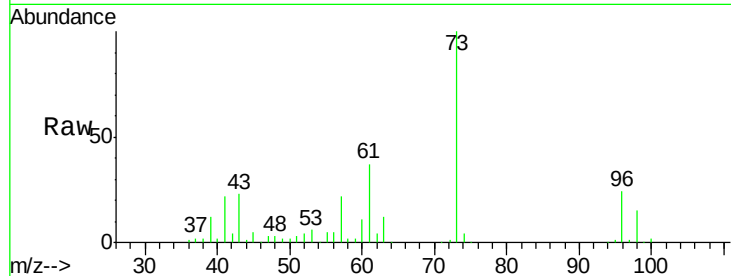
#19
Methvl tert-butyl Ether
Concen: 50.737 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.2	27.2

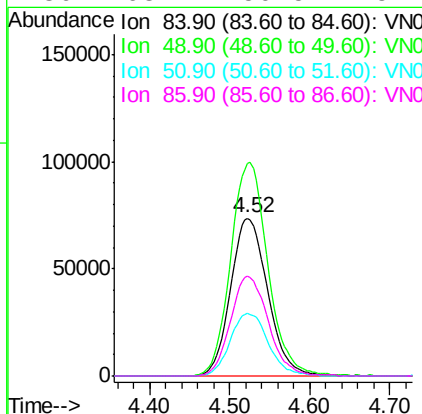
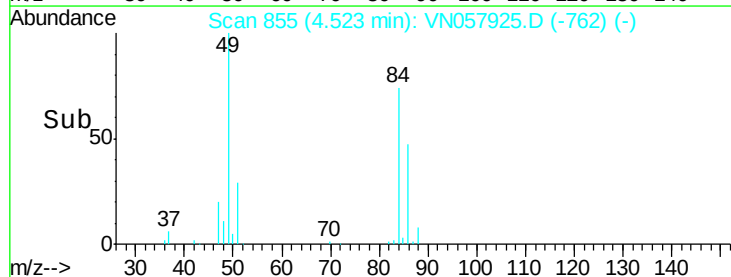
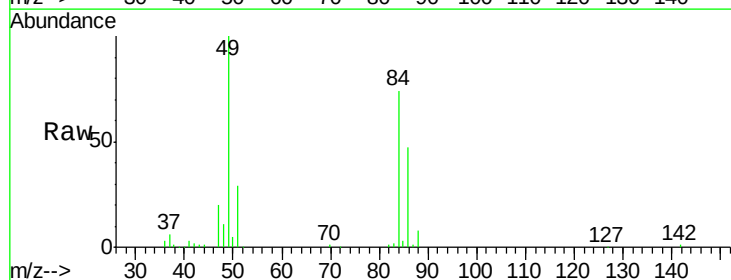
Manual Integrations
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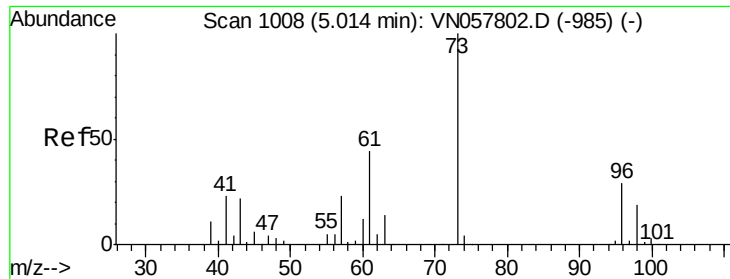
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#20
Methylene Chloride
Concen: 50.829 ug/l
RT: 4.52 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.9	104.8	157.2
51	39.6	33.0	49.4
86	63.2	50.5	75.7





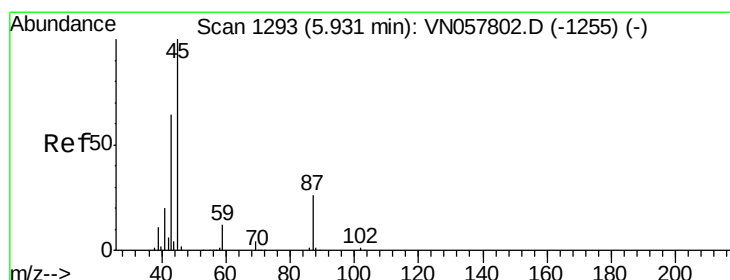
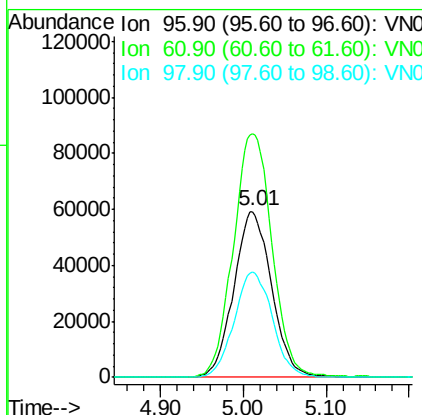
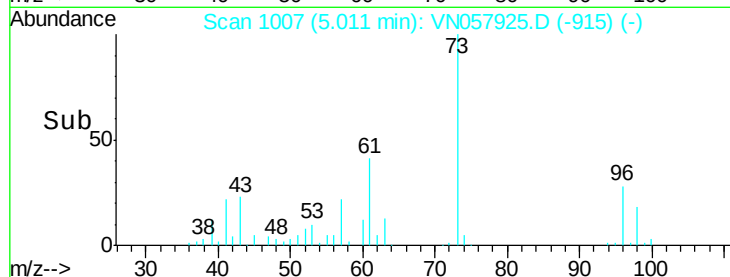
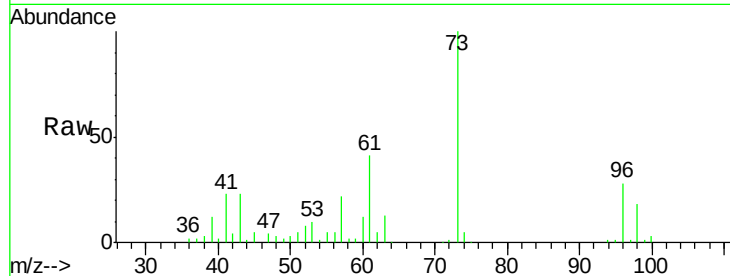
#21
trans-1,2-Dichloroethene
Concen: 45.180 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	121.9	182.9
98	63.8	52.2	78.4

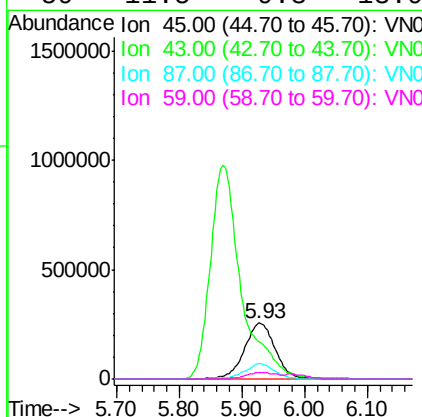
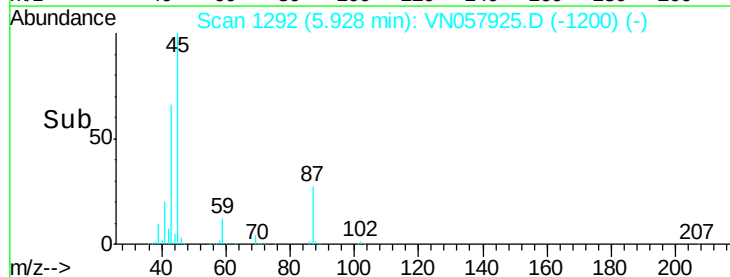
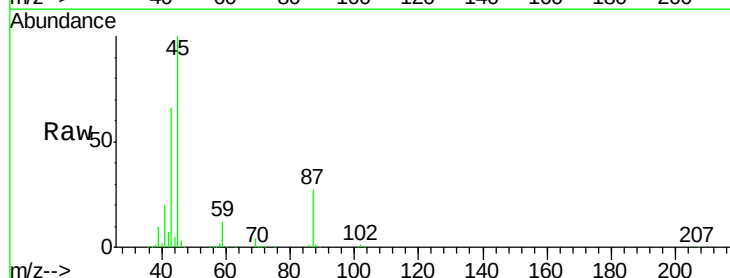
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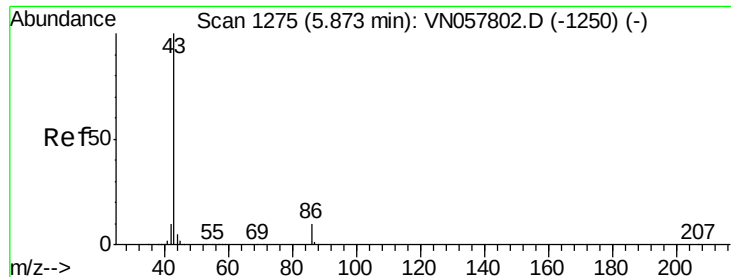
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#22
Diisopropyl ether
Concen: 49.524 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.5	51.4	77.2
87	27.2	21.3	31.9
59	11.5	9.3	13.9





#23

Vinyl Acetate

Concen: 267.435 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 3341397

Ion Ratio Lower Upper

43 100

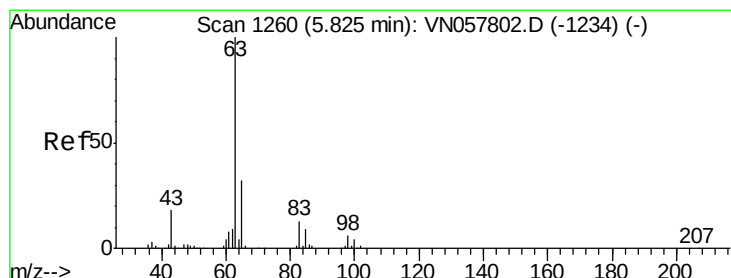
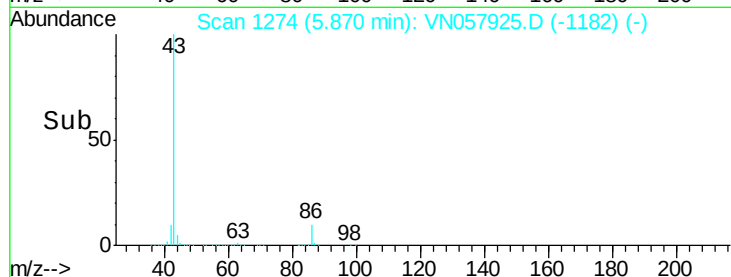
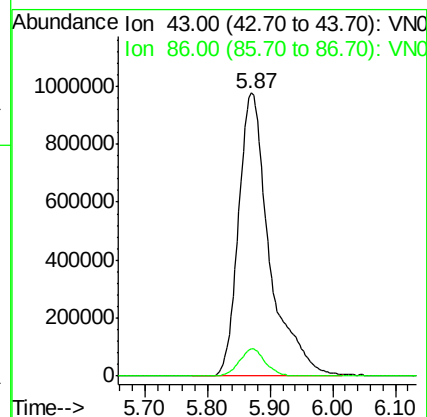
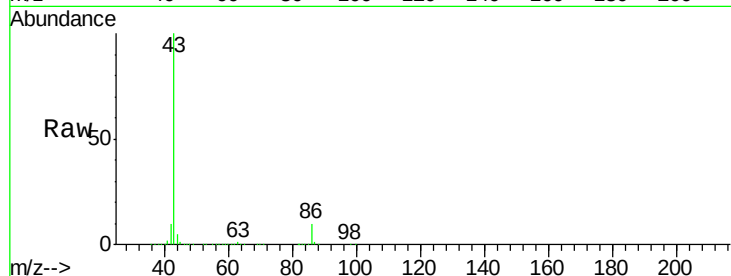
86 9.7 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 48.119 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

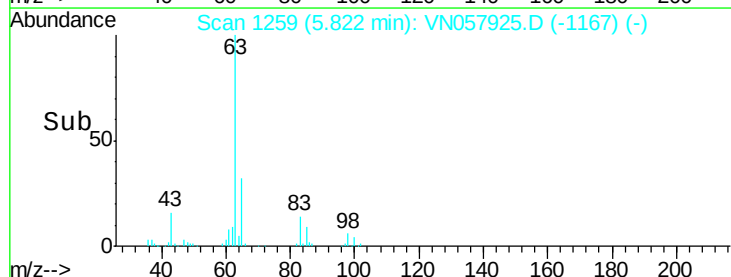
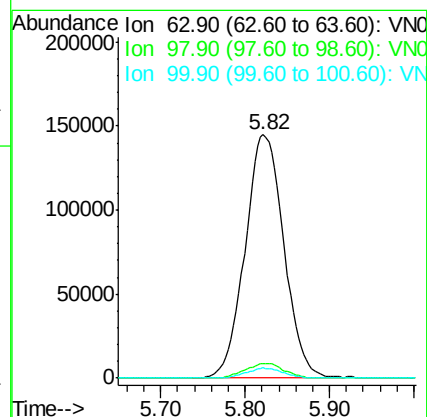
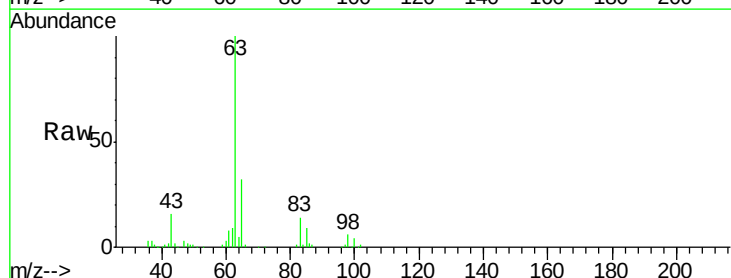
Tgt Ion: 63 Resp: 463634

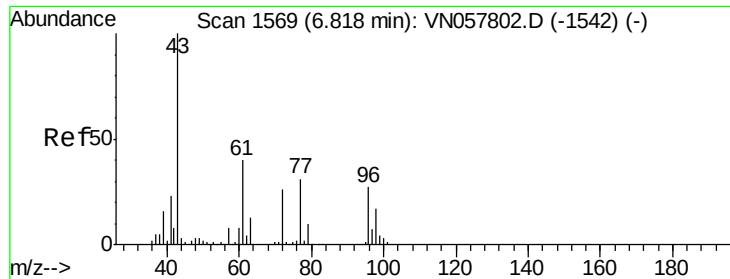
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 4.1 2.0 5.8





#25

2-Butanone

Concen: 273.943 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 949729

Ion Ratio Lower Upper

43 100

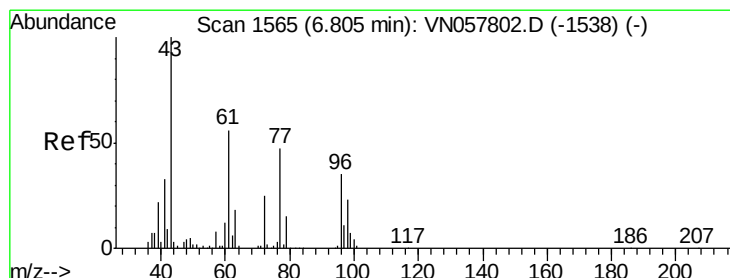
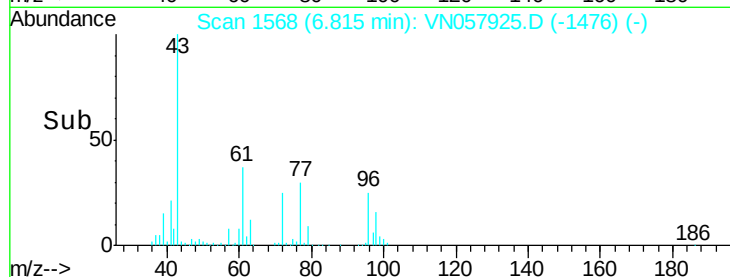
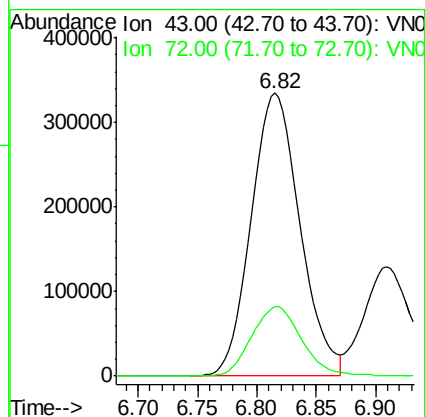
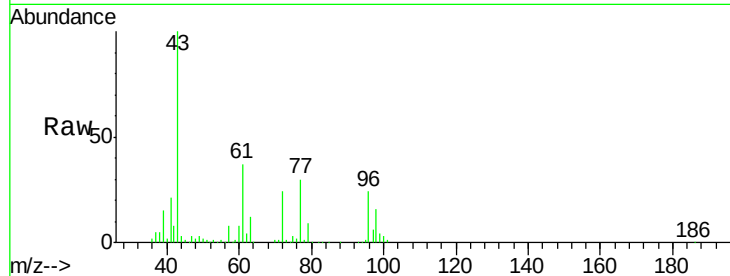
72 24.5 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.885 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057925.D

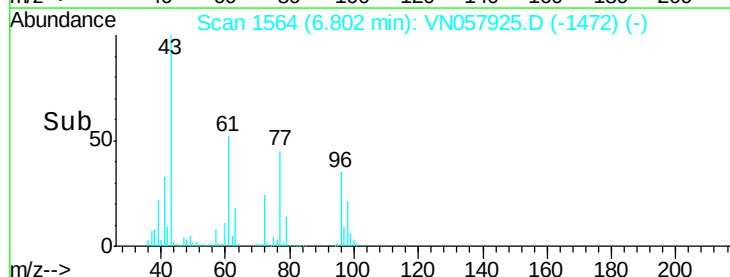
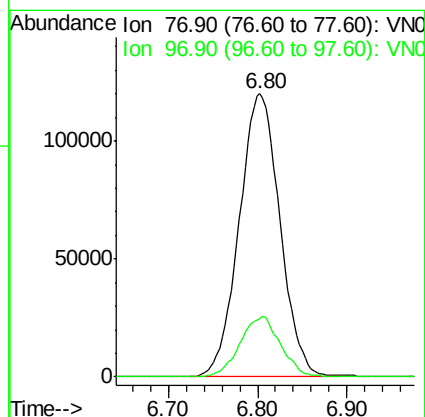
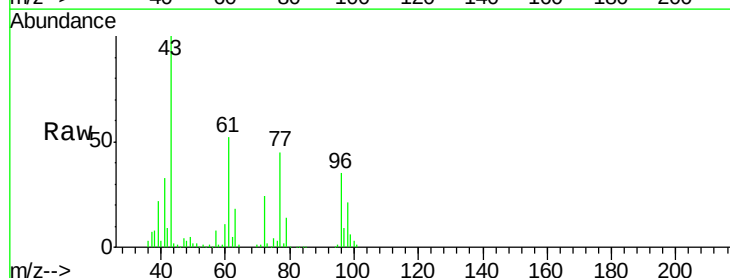
Acq: 11 Sep 2019 15:59

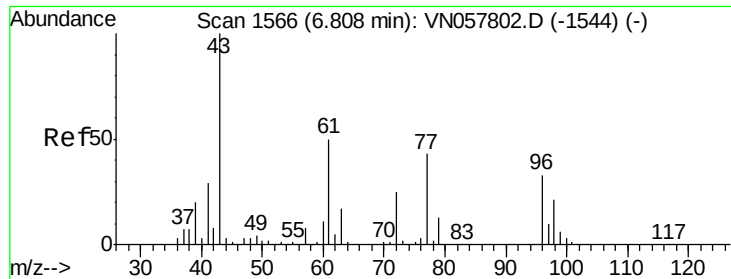
Tgt Ion: 77 Resp: 380379

Ion Ratio Lower Upper

77 100

97 21.2 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 48.147 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

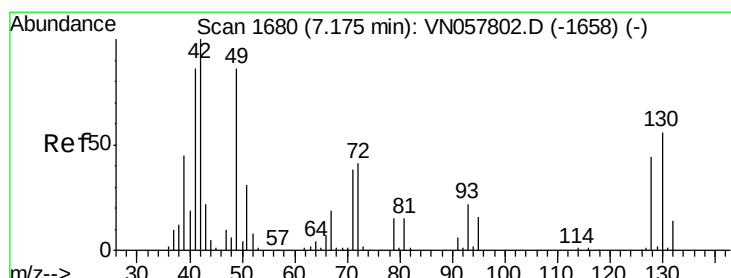
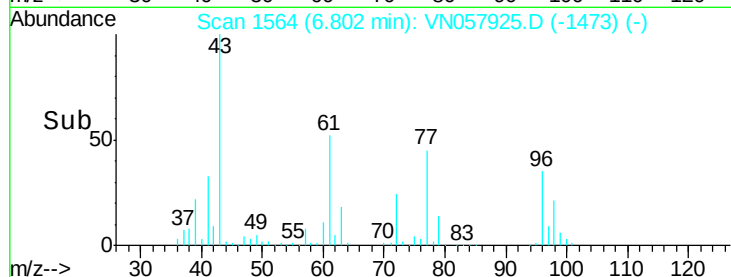
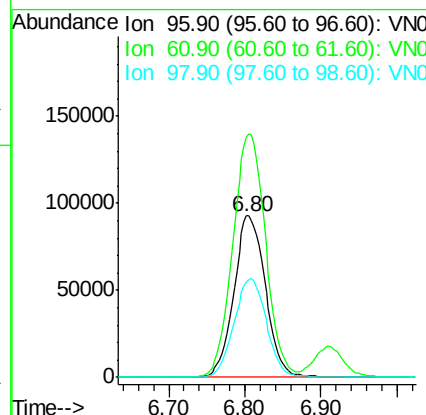
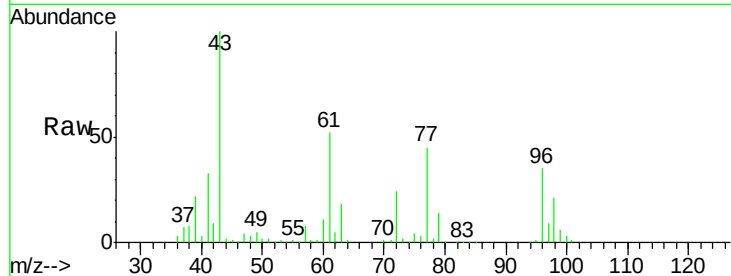
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	267937
Ion Ratio	Lower	Upper	
96	100		
61	155.8	0.0	314.0
98	62.8	0.0	128.6

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#28

Bromochloromethane

Concen: 49.540 ug/l

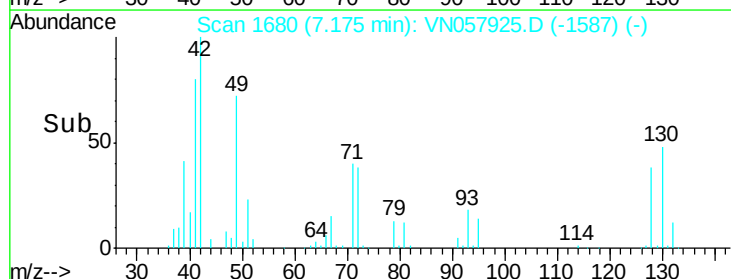
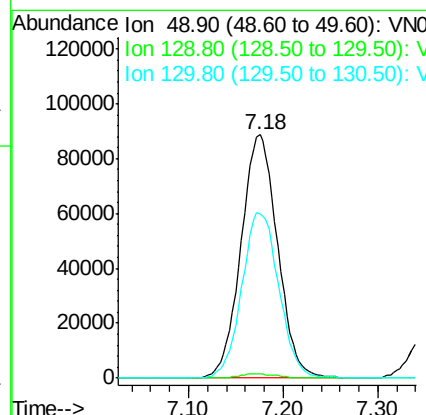
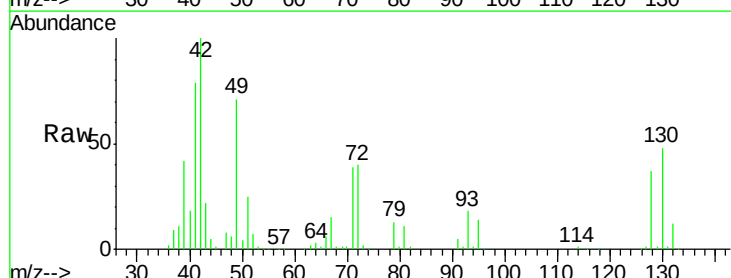
RT: 7.18 min Scan# 1680

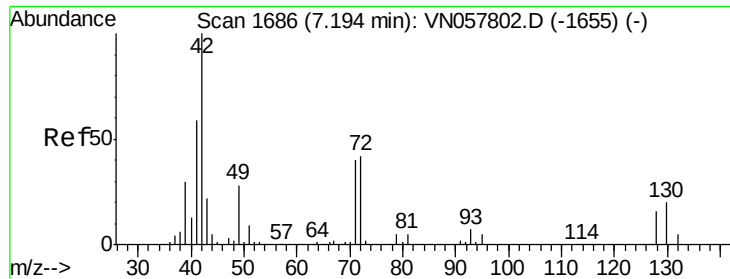
Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Tgt Ion:	49	Resp:	238464
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.8
130	69.1	53.0	79.6





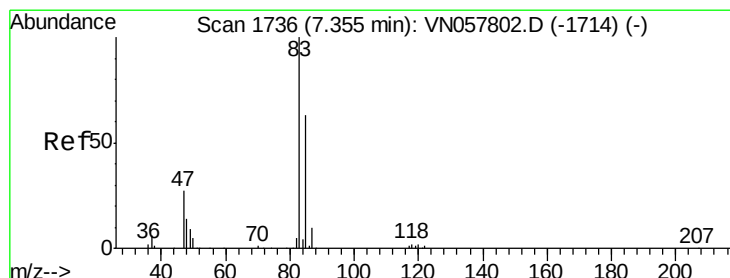
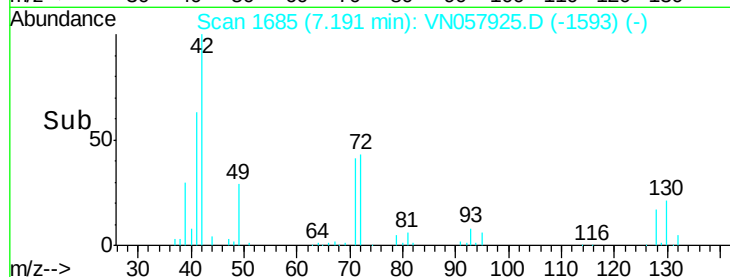
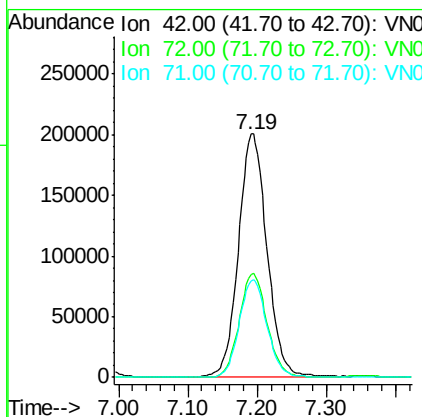
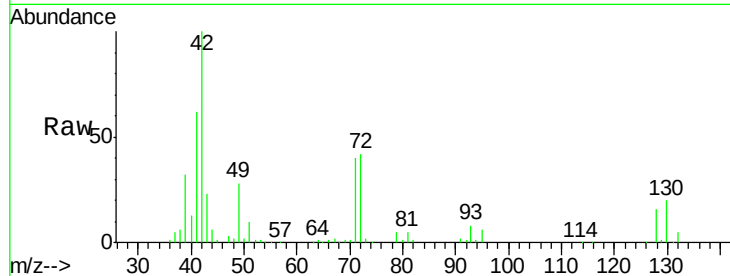
#29
Tetrahydrofuran
Concen: 268.181 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	39.2	31.9	47.9

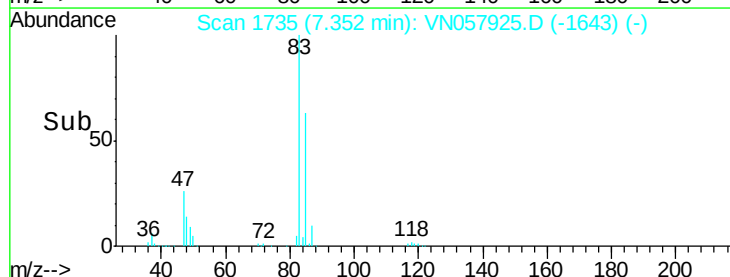
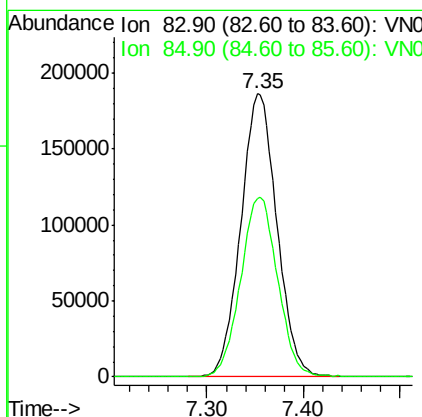
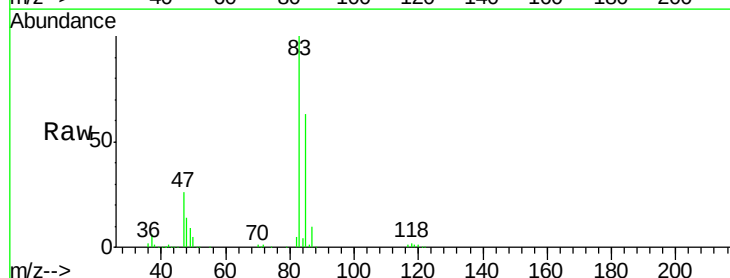
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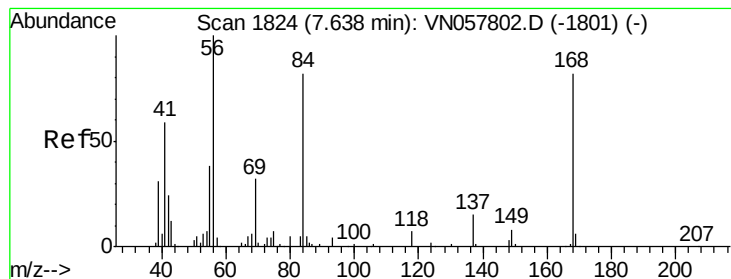
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#30
Chloroform
Concen: 47.978 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.6	75.8





#31

Cyclohexane

Concen: 50.210 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

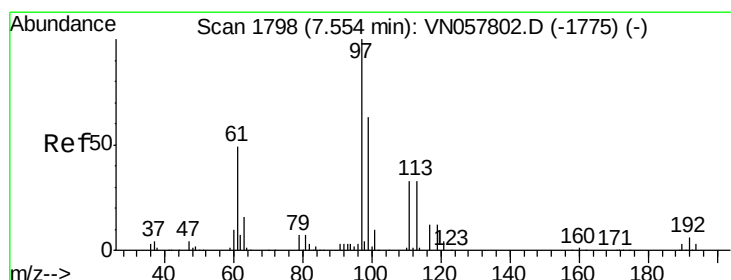
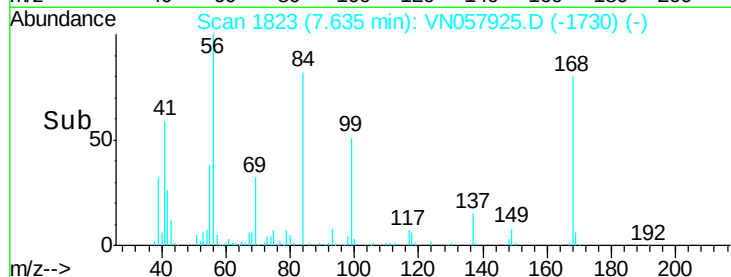
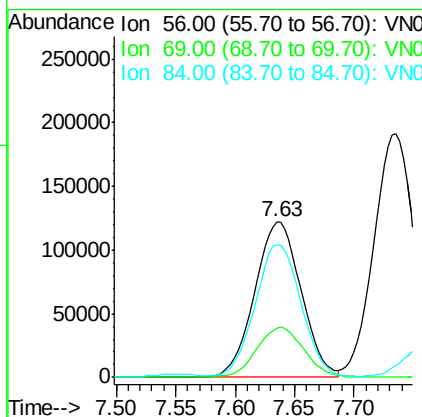
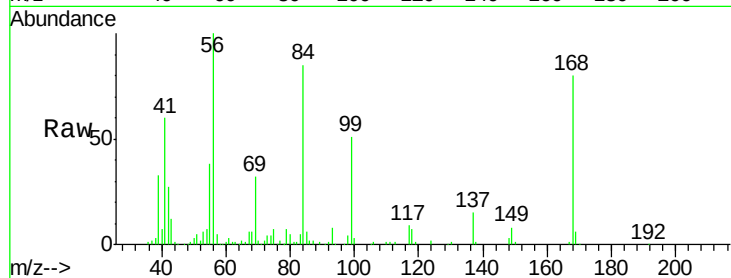
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	329613
Ion Ratio	Lower	Upper	
56	100		
69	31.7	25.9	38.9
84	83.5	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.911 ug/l

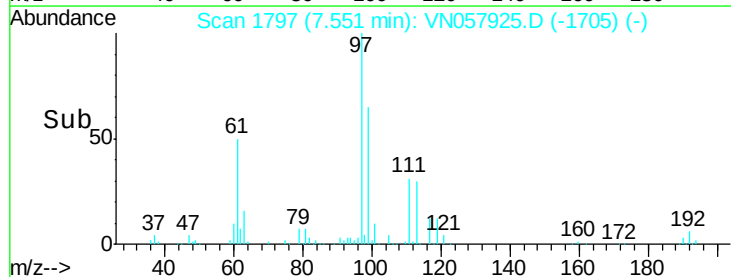
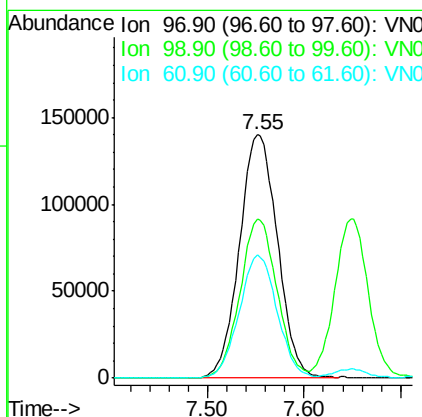
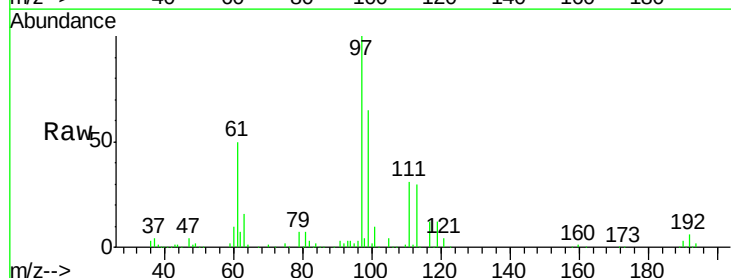
RT: 7.55 min Scan# 1797

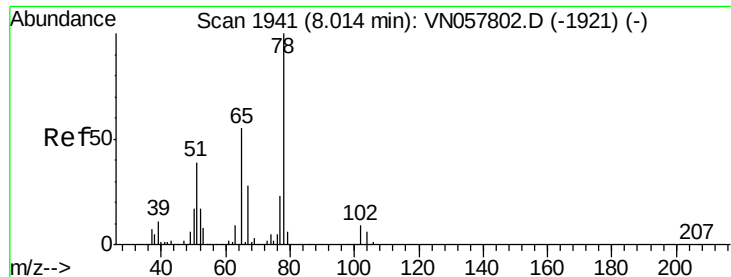
Delta R.T. -0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Tgt Ion:	97	Resp:	382812
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.0	76.4
61	50.3	39.0	58.6





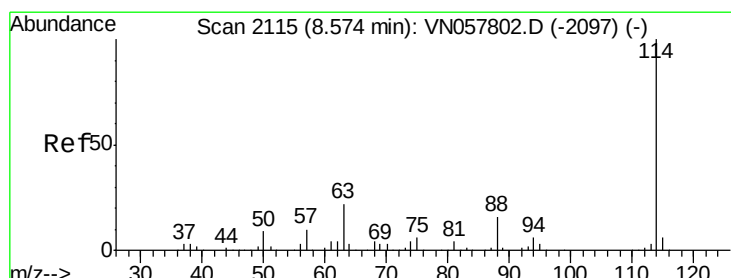
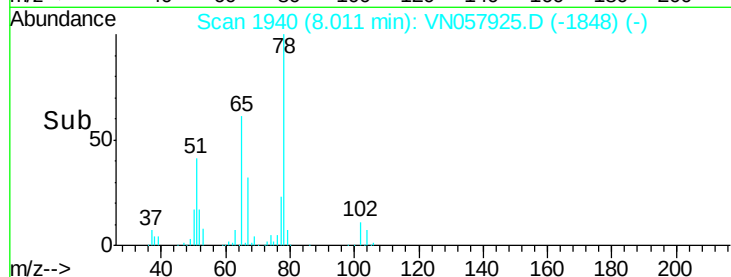
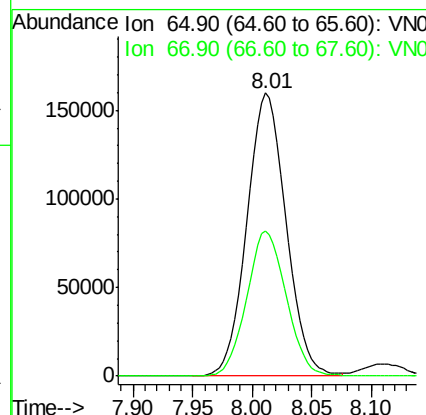
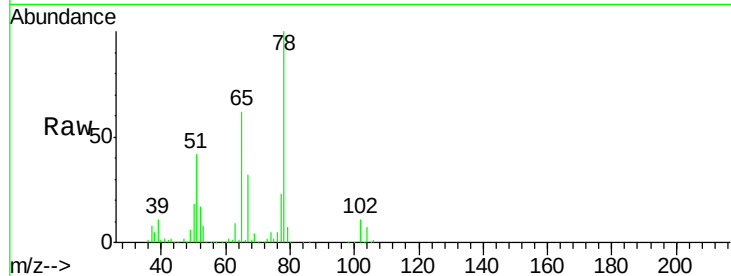
#33
 1,2-Dichloroethane-d4
 Concen: 49.939 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.8	0.0	104.0	

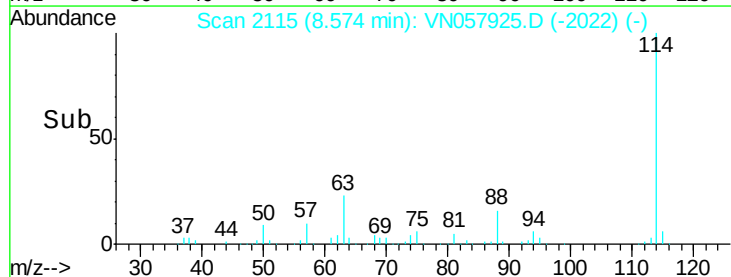
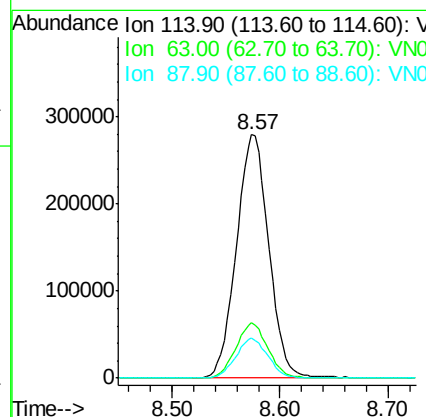
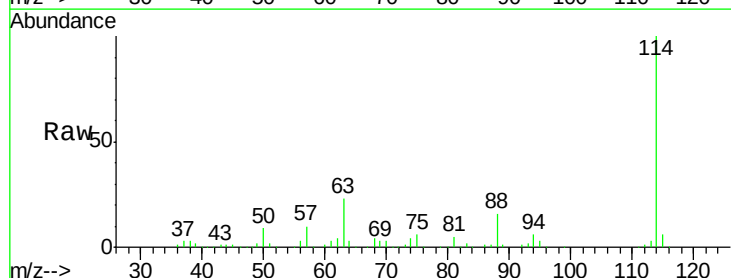
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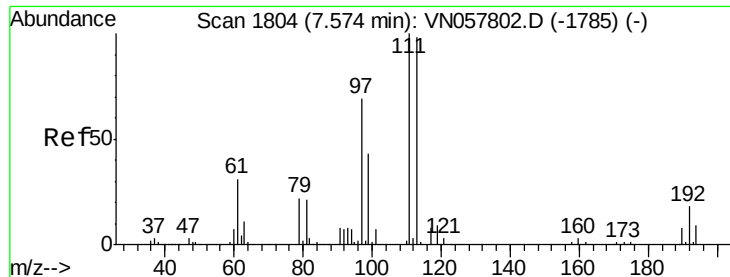
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.5	0.0	44.0	
88	16.4	0.0	31.4	





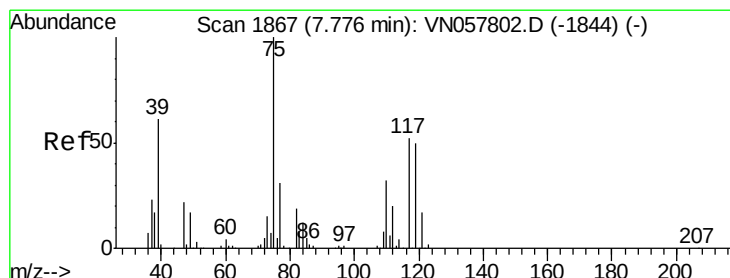
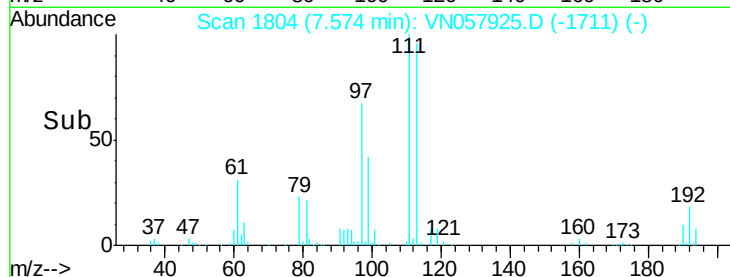
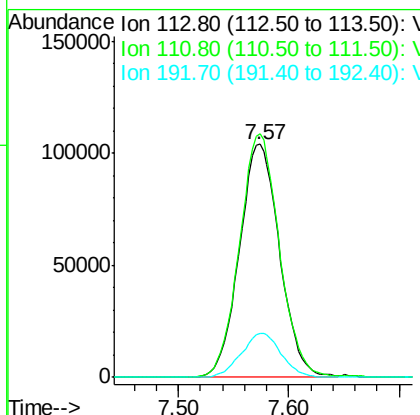
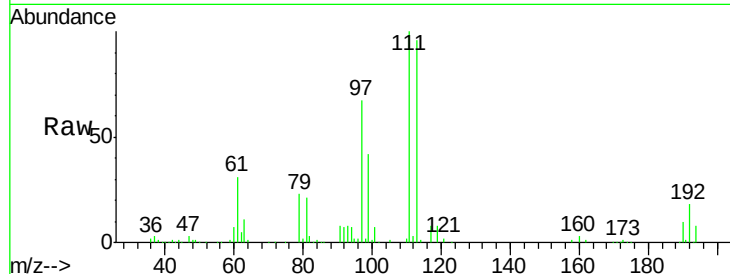
#35
Dibromofluoromethane
Concen: 48.707 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	262613		
111	104.0	81.3	121.9	
192	18.7	14.6	22.0	

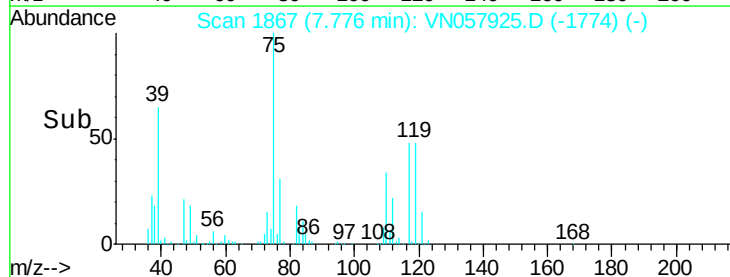
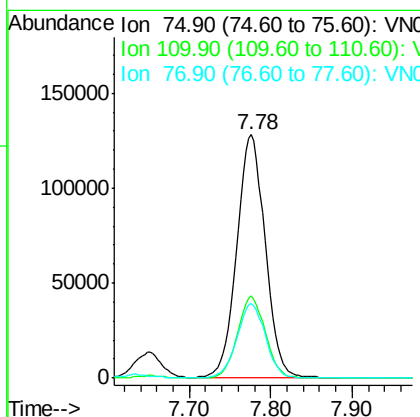
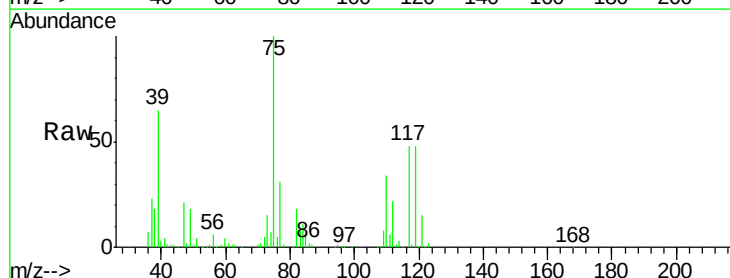
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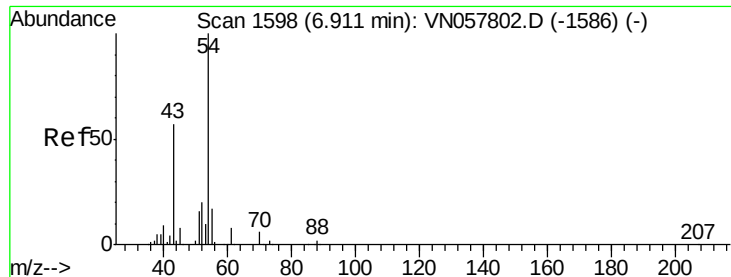
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#36
1,1-Dichloropropene
Concen: 45.548 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	308586		
110	33.0	16.3	48.9	
77	31.0	25.0	37.4	





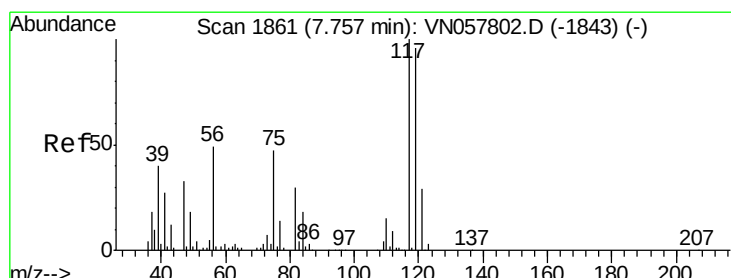
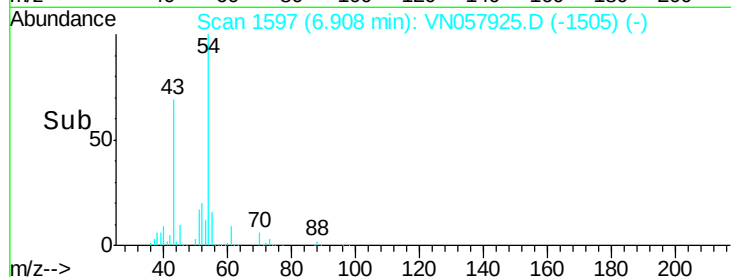
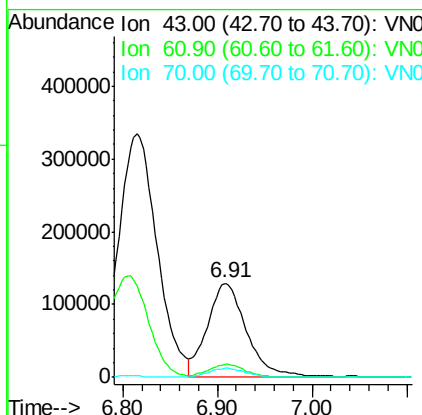
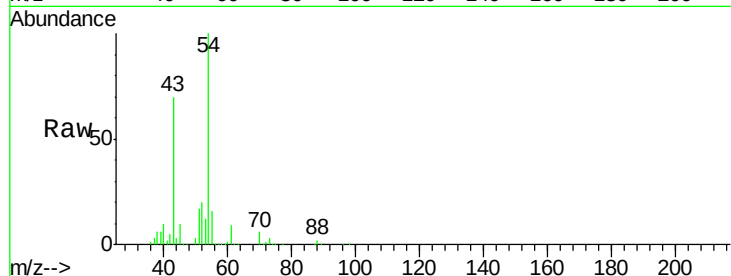
#37
Ethyl Acetate
Concen: 52.080 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.1	10.5	15.7	
70	9.4	7.4	11.0	

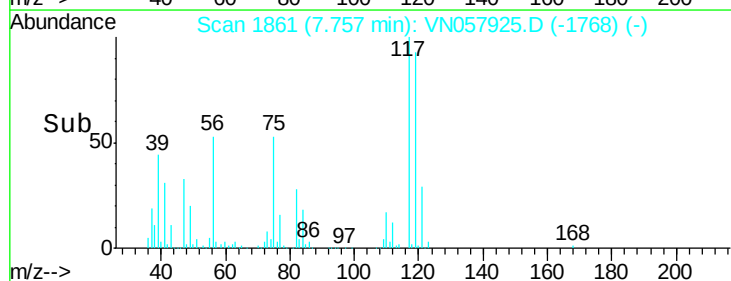
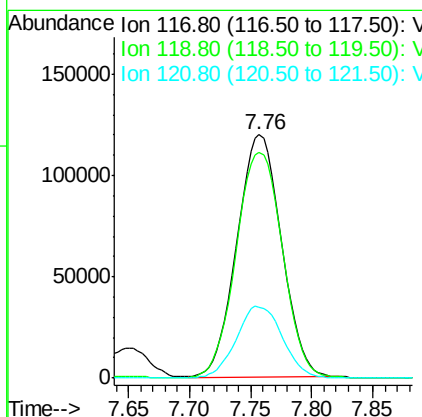
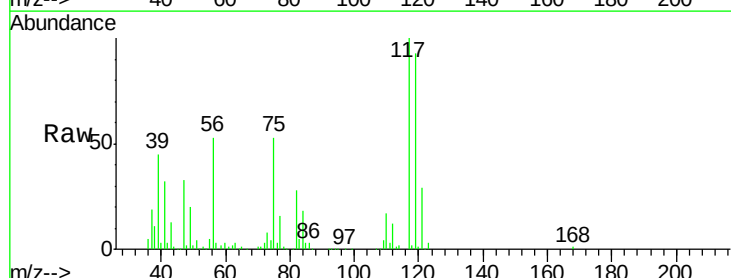
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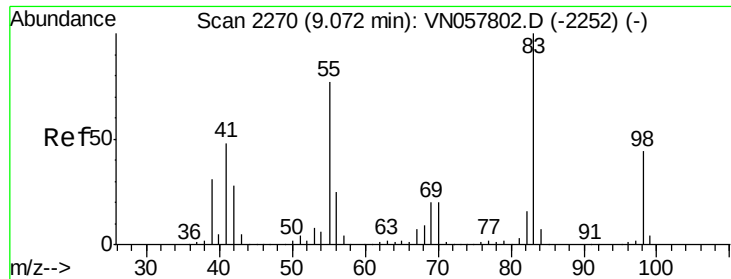
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#38
Carbon Tetrachloride
Concen: 48.953 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	93.1	76.9	115.3	
121	29.5	23.4	35.2	





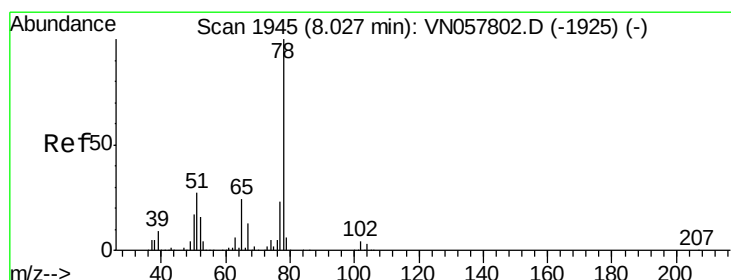
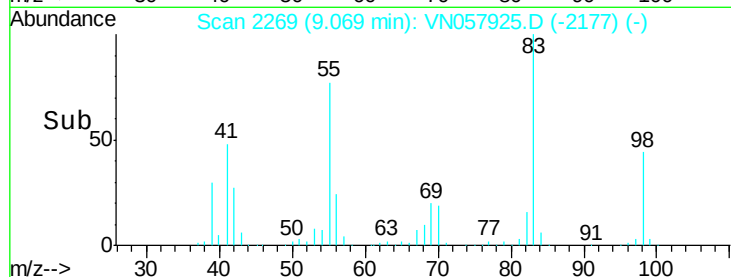
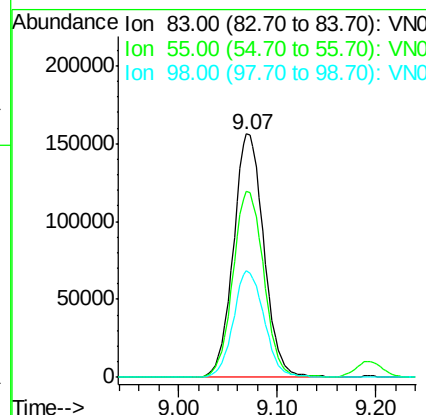
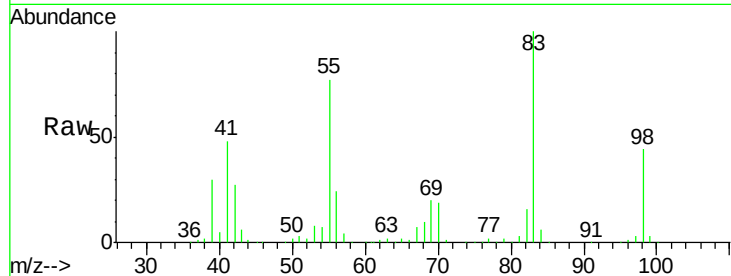
#39
Methylvlcyclohexane
Concen: 47.139 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	335722
Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.6	92.4
98	43.6	34.9	52.3

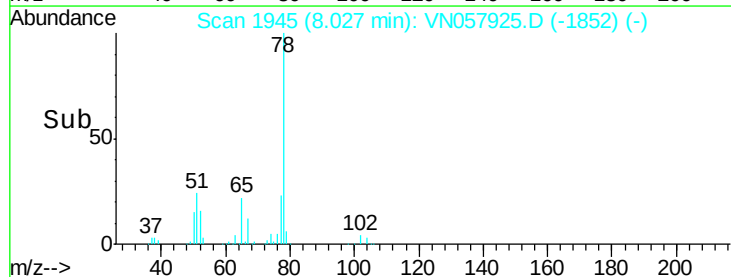
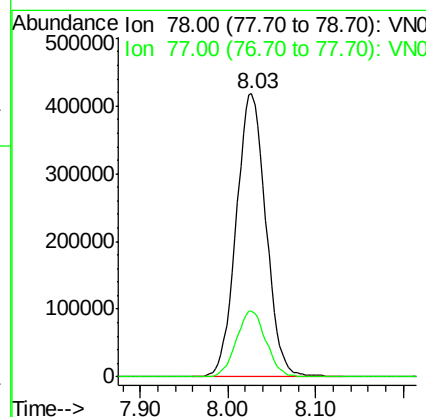
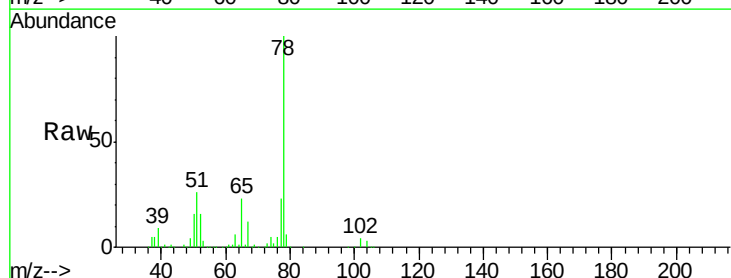
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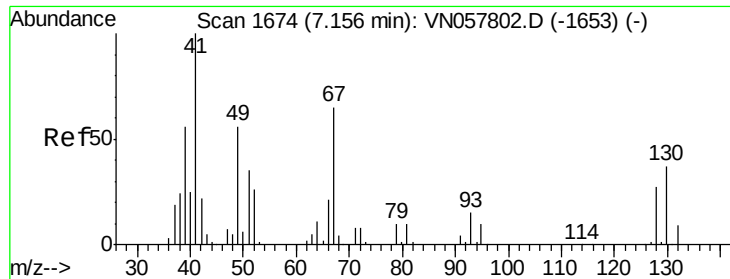
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#40
Benzene
Concen: 48.203 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	78	Resp	983186
Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.3	27.5





#41

Methacrylonitrile

Concen: 50.330 ug/l m

RT: 7.16 min Scan# 1675

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 41 Resp: 159918
Ion Ratio Lower Upper

41 100

39 0.0 51.0 76.6#

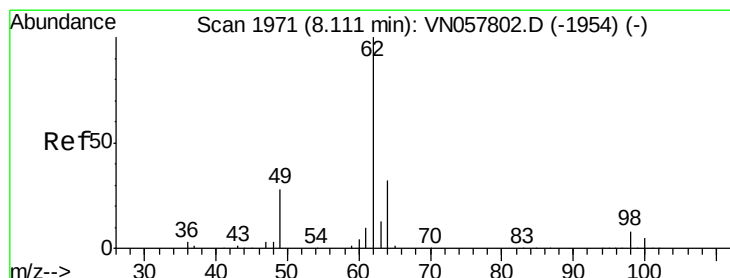
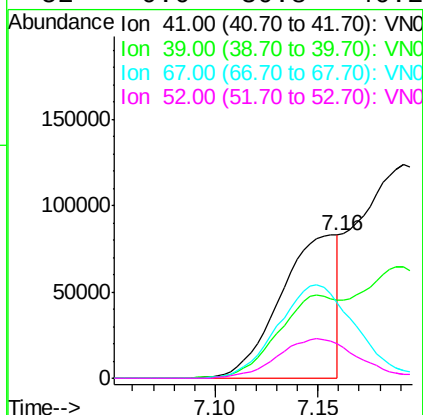
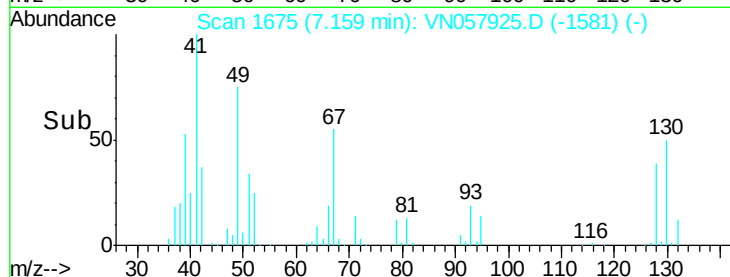
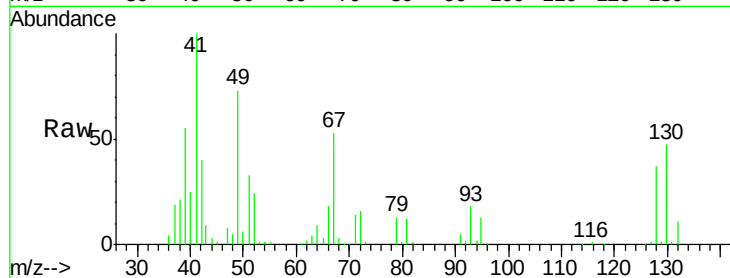
67 0.0 70.7 106.1#

52 0.0 30.8 46.2#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.217 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

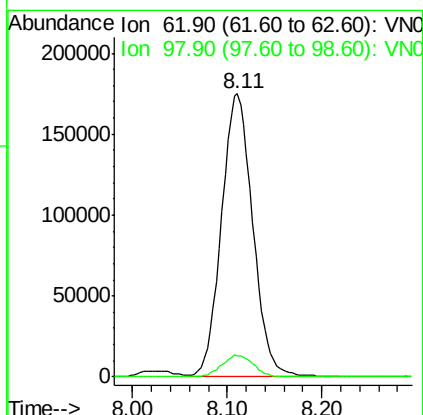
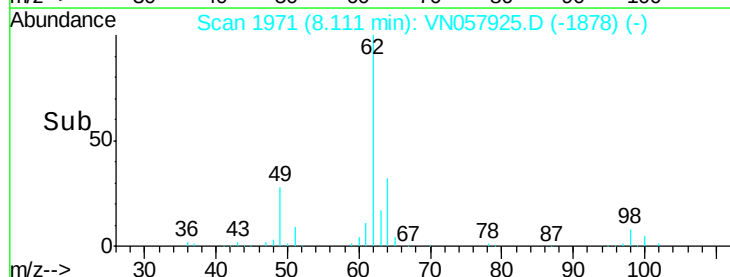
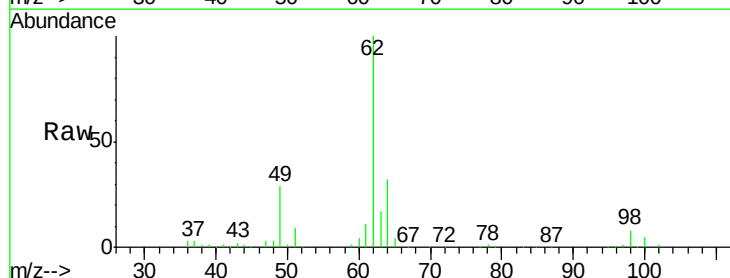
Lab File: VN057925.D

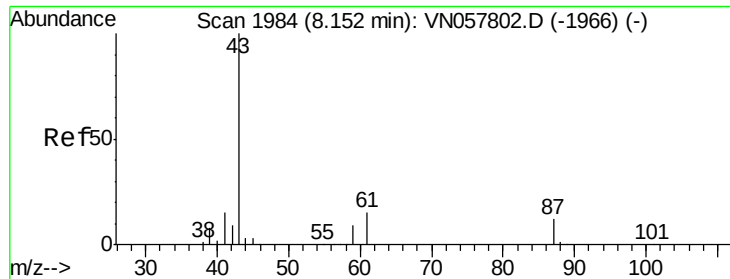
Acq: 11 Sep 2019 15:59

Tgt Ion: 62 Resp: 401482
Ion Ratio Lower Upper

62 100

98 7.7 0.0 15.8





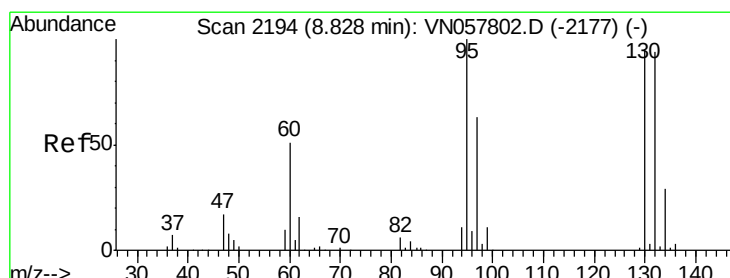
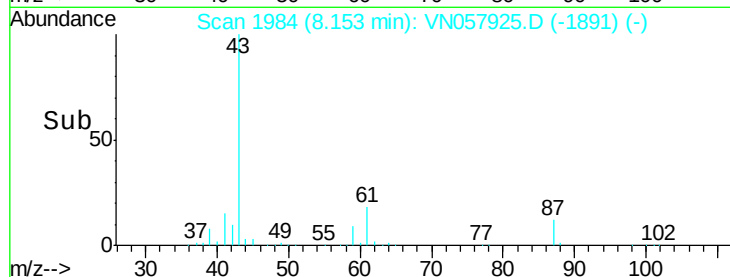
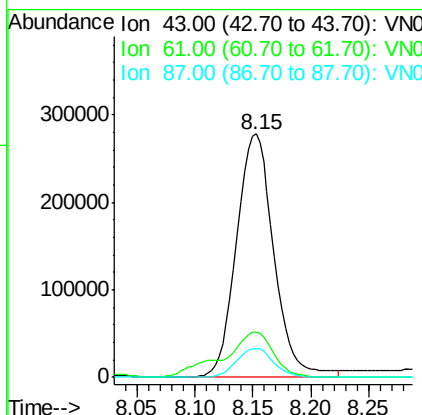
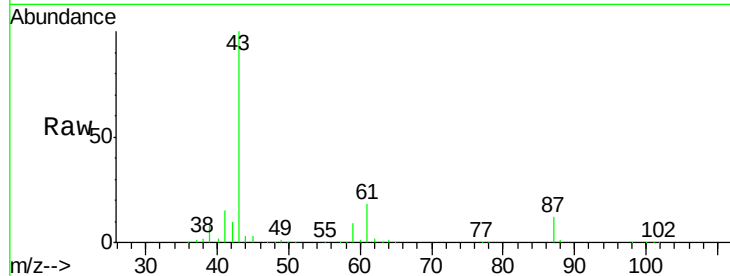
#43
Isopropyl Acetate
Concen: 52.822 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.8	20.1	30.1
87	11.9	9.5	14.3

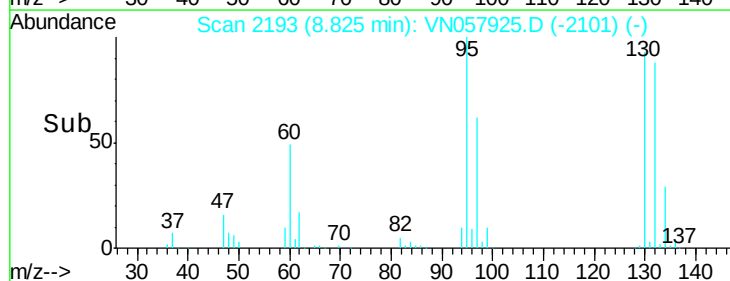
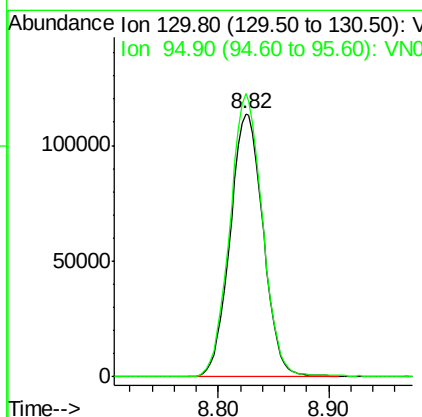
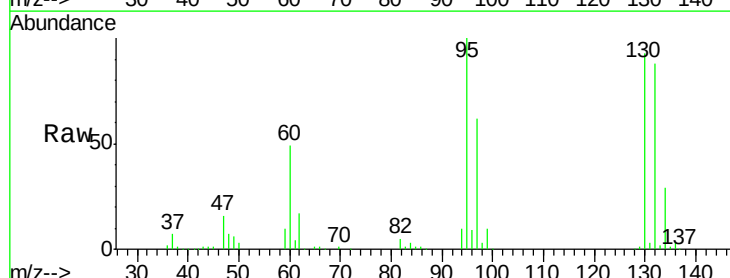
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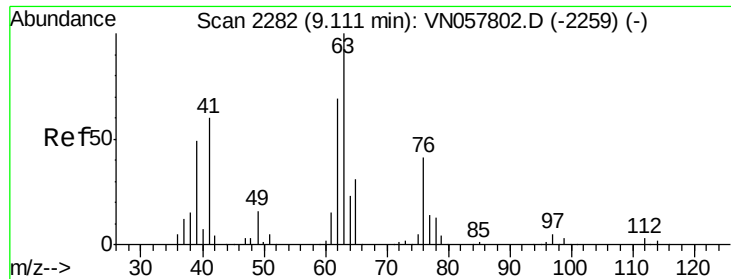
MMDadoda
9/13/2019 11:07:19 AM



#44
Trichloroethene
Concen: 47.199 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.5	0.0	211.4





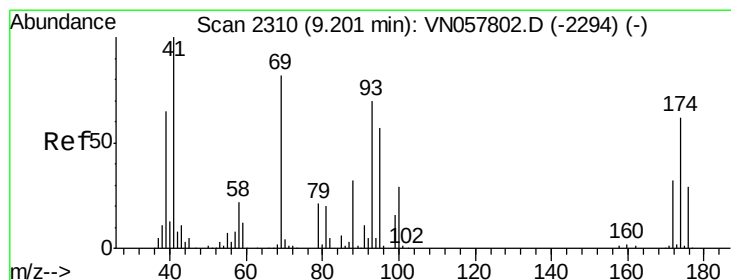
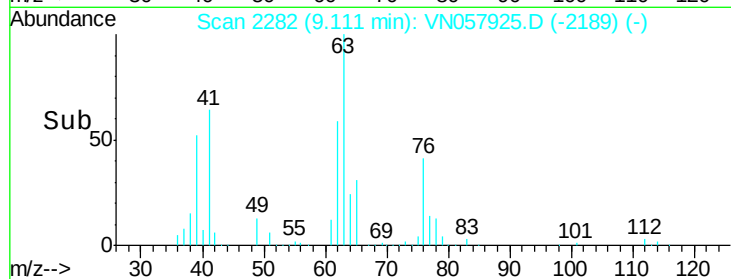
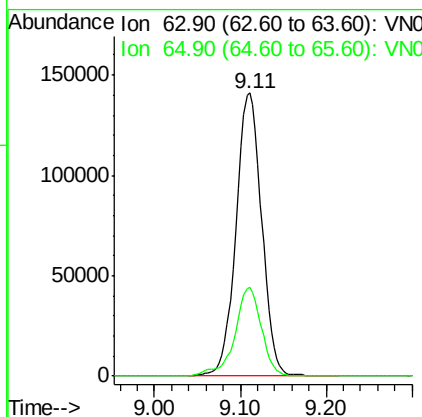
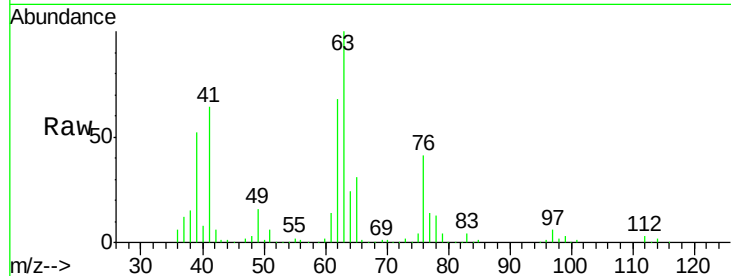
#45
 1,2-Dichloropropane
 Concen: 49.263 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 292386
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.8 37.2

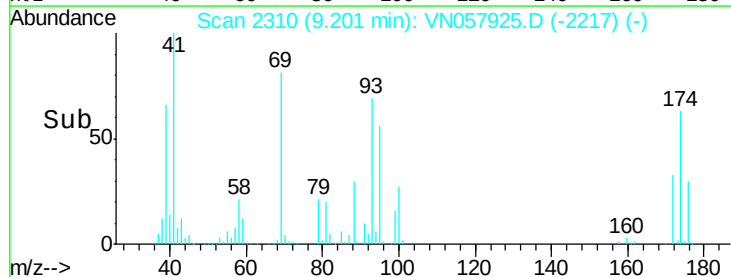
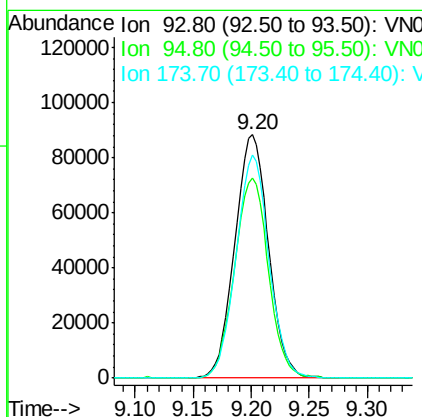
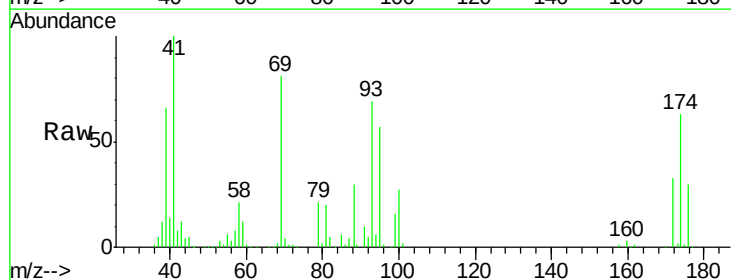
Manual Integrations
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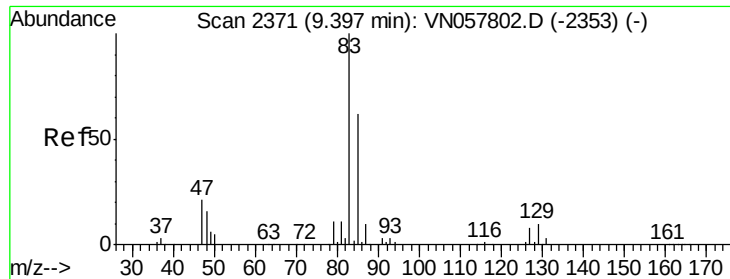
MMDadoda
 9/13/2019 11:07:19 AM



#46
 Dibromomethane
 Concen: 49.689 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Tgt Ion: 93 Resp: 178212
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.9 98.9
 174 89.8 71.8 107.6





#47

Bromodichloromethane

Concen: 51.720 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

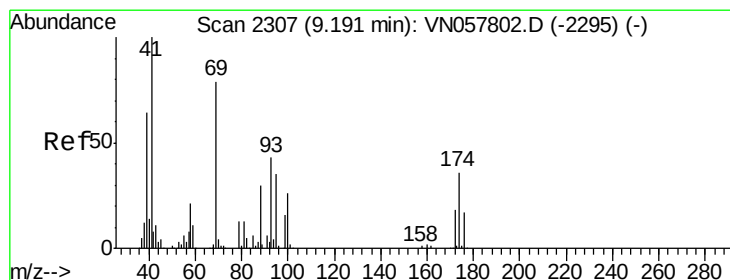
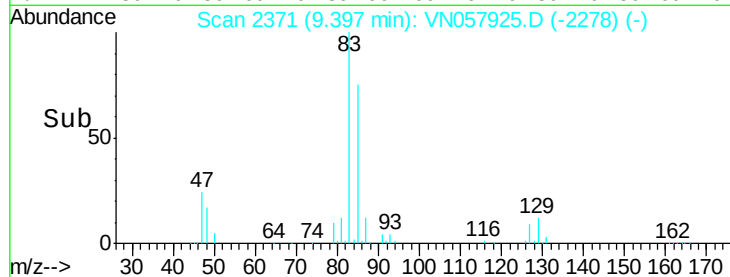
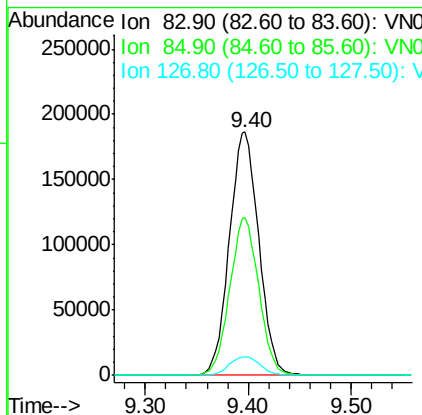
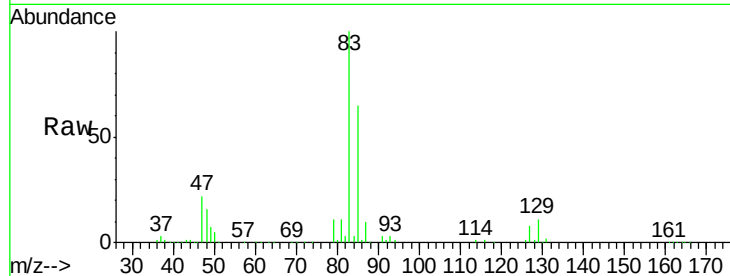
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	370414
Ion Ratio	Lower	Upper	
83	100		
85	64.9	49.9	74.9
127	7.8	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.112 ug/l

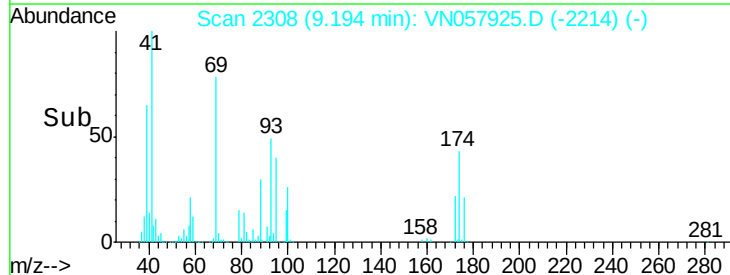
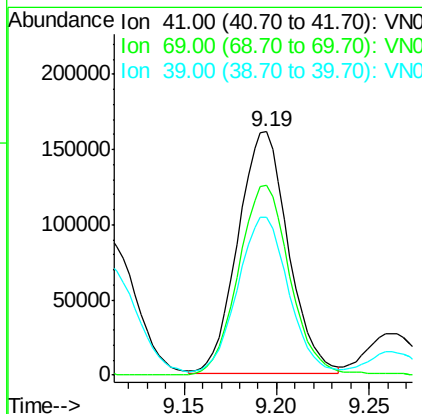
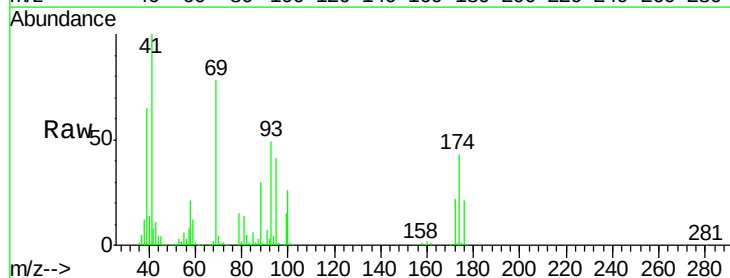
RT: 9.19 min Scan# 2308

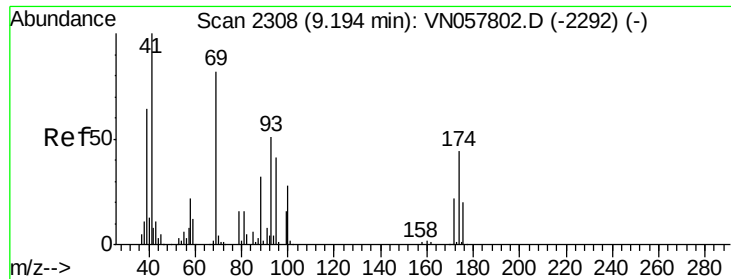
Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Tgt Ion:	41	Resp:	305197
Ion Ratio	Lower	Upper	
41	100		
69	80.3	62.7	94.1
39	66.3	52.7	79.1





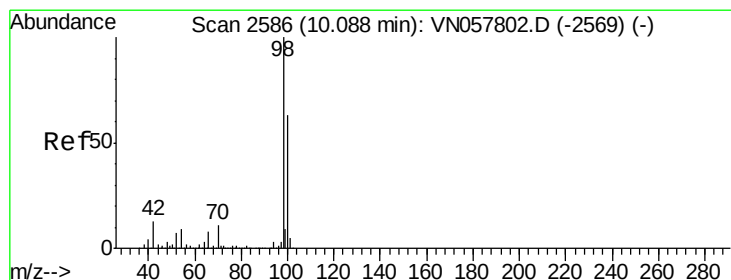
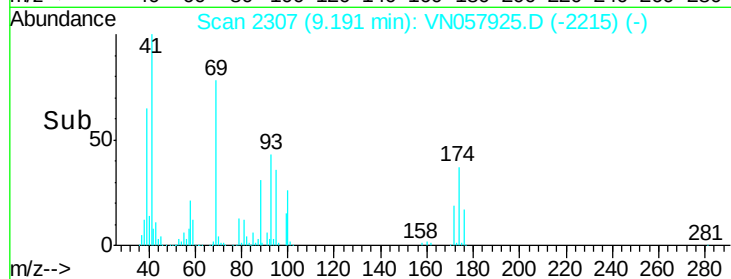
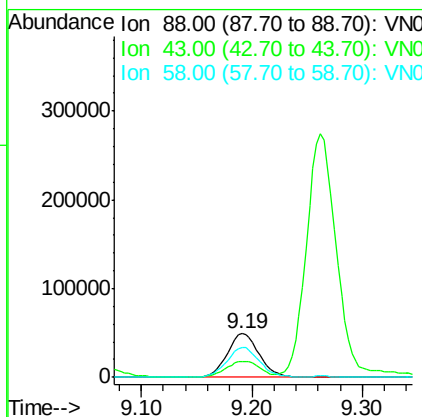
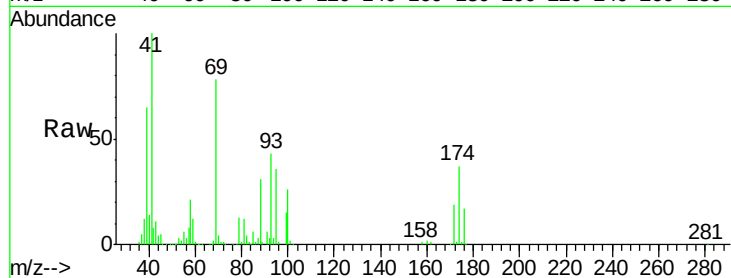
#49
1,4-Dioxane
Concen: 984.168 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	99379
Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.5	42.7
58	70.0	55.8	83.6

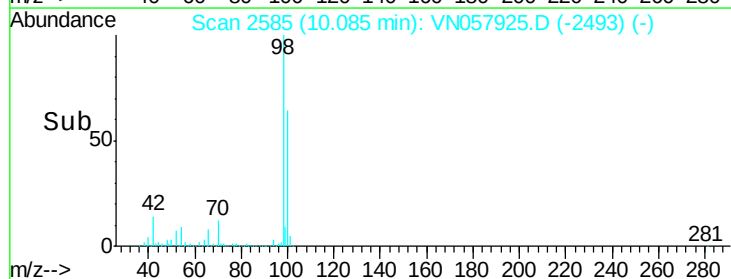
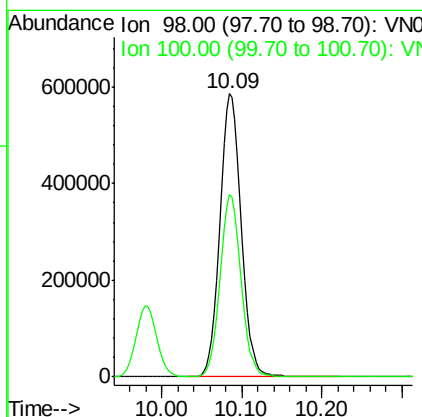
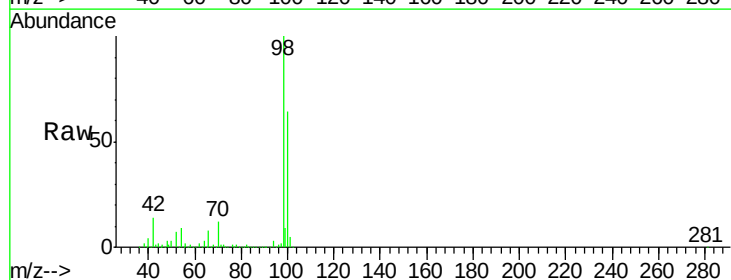
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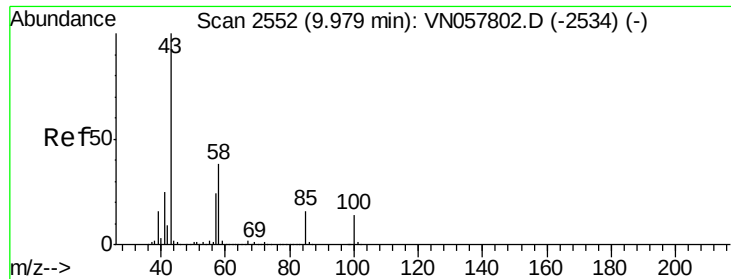
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#50
Toluene-d8
Concen: 51.602 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	98	Resp	1080210
Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 285.266 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1987130

Ion Ratio Lower Upper

43 100

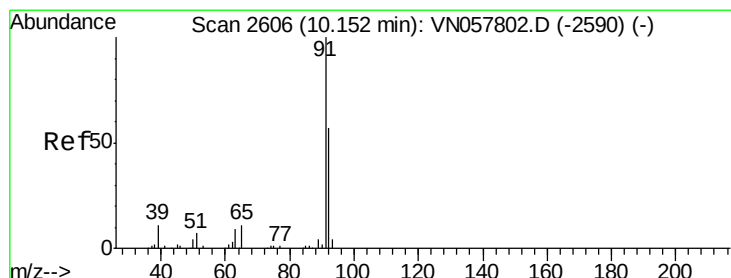
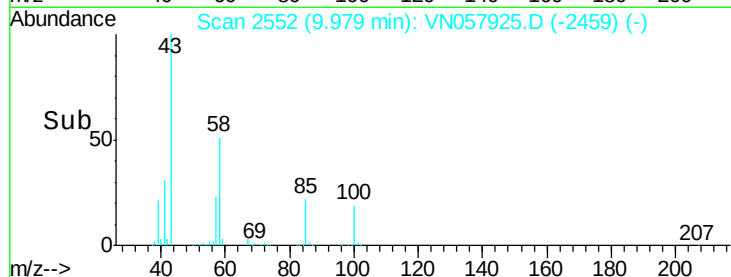
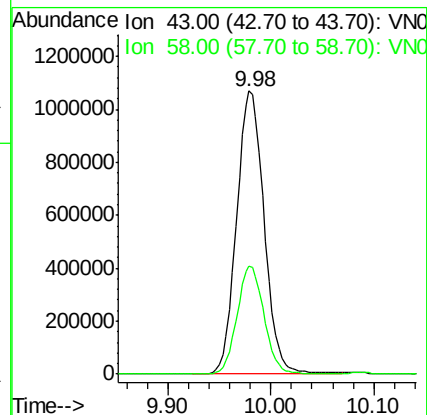
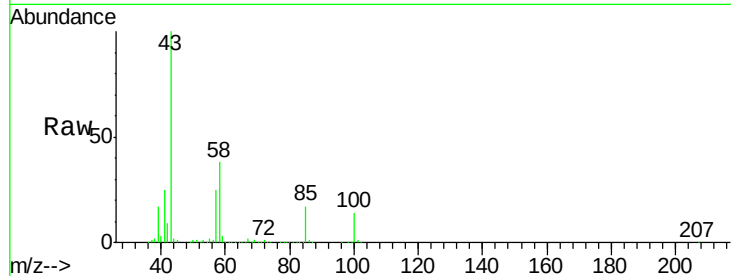
58 37.6 29.8 44.6

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#52

Toluene

Concen: 49.439 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057925.D

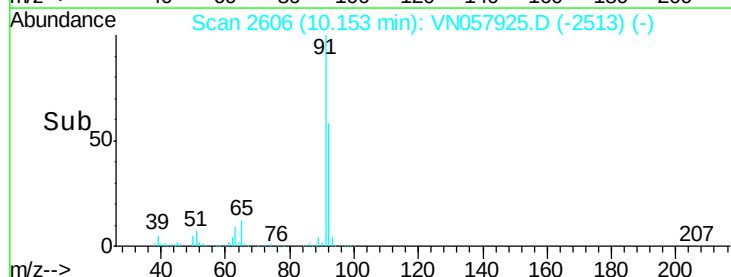
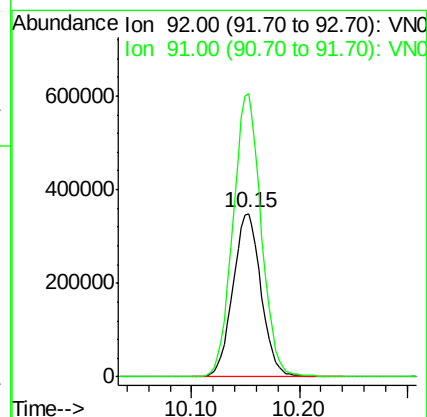
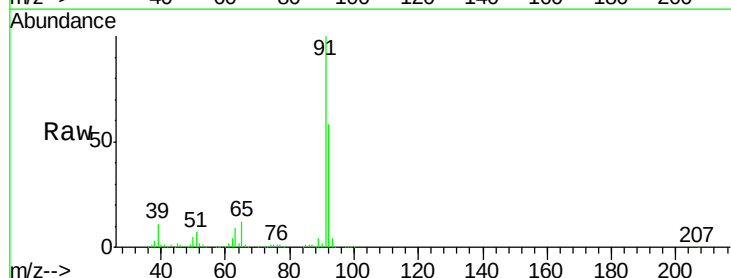
Acq: 11 Sep 2019 15:59

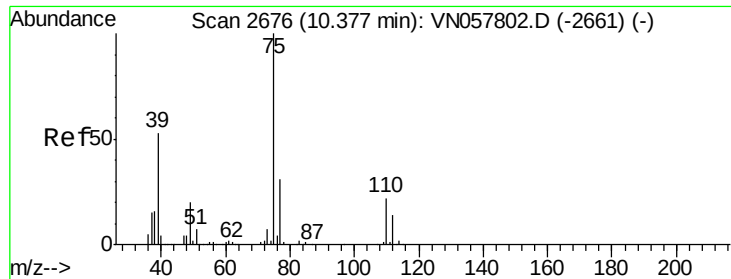
Tgt Ion: 92 Resp: 635122

Ion Ratio Lower Upper

92 100

91 174.1 141.0 211.6





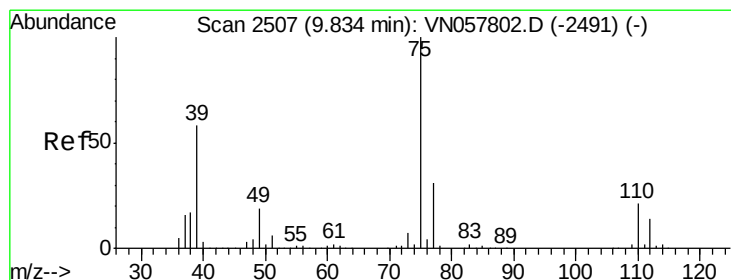
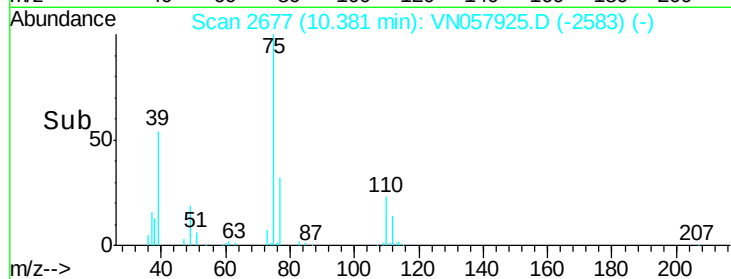
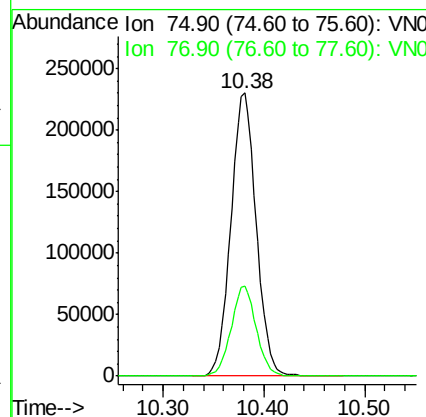
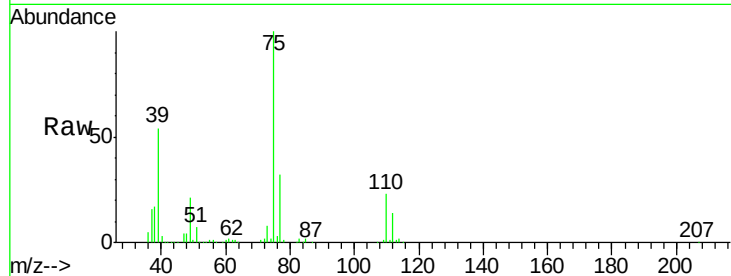
#53
t-1,3-Dichloropropene
Concen: 53.520 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 403643
Ion Ratio Lower Upper
75 100
77 31.9 24.5 36.7

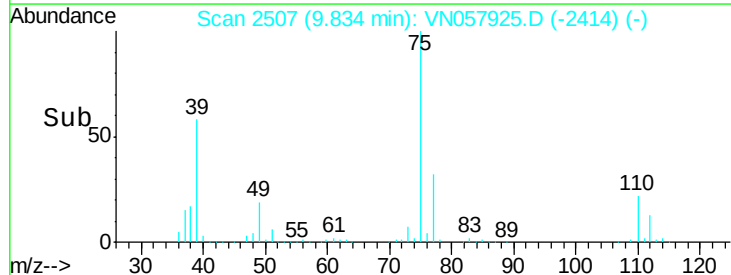
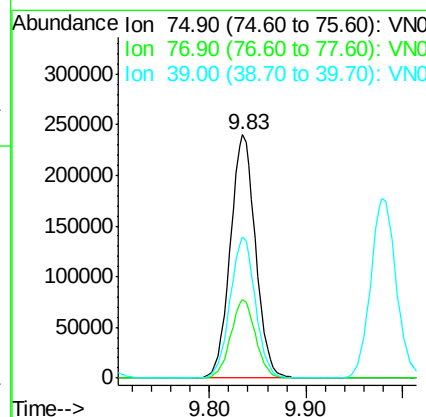
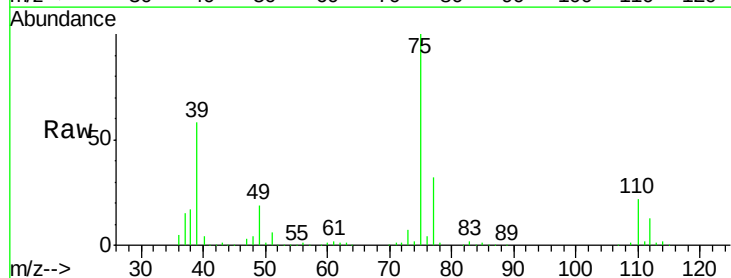
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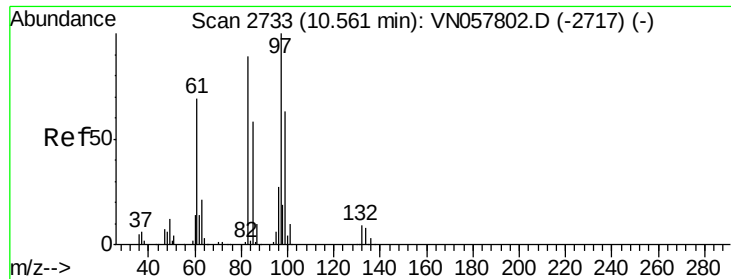
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#54
cis-1,3-Dichloropropene
Concen: 52.077 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion: 75 Resp: 433632
Ion Ratio Lower Upper
75 100
77 32.2 24.8 37.2
39 57.7 46.2 69.4





#55

1,1,2-Trichloroethane

Concen: 51.177 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 278494

Ion Ratio Lower Upper

97 100

83 87.0 70.8 106.2

85 56.3 46.0 69.0

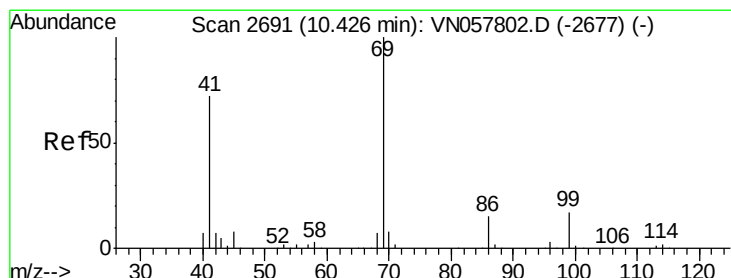
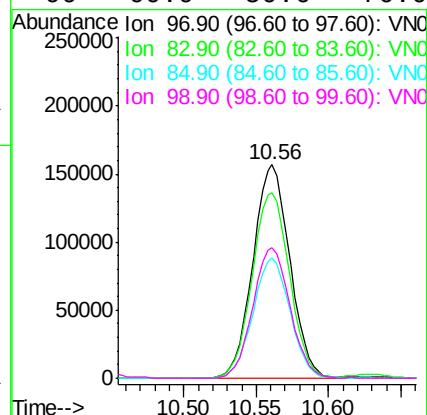
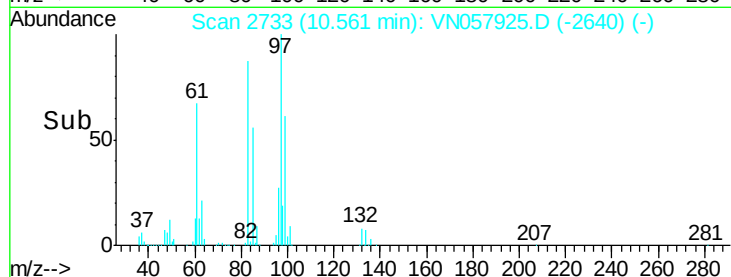
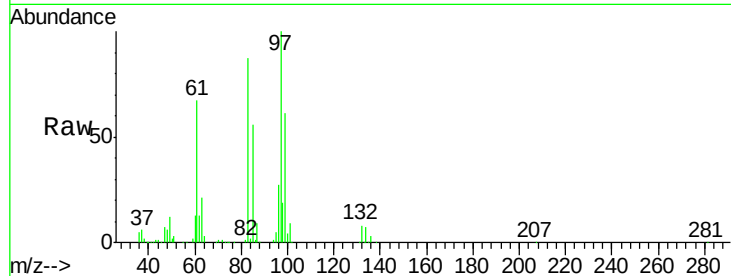
99 60.9 50.6 76.0

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#56

Ethyl methacrylate

Concen: 53.271 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

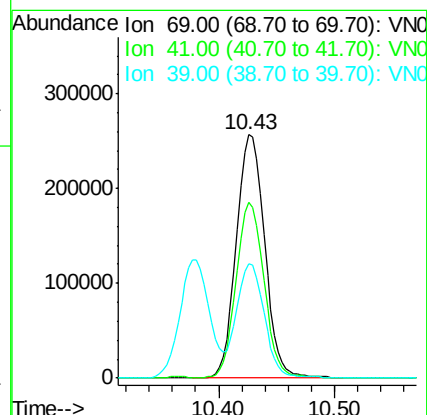
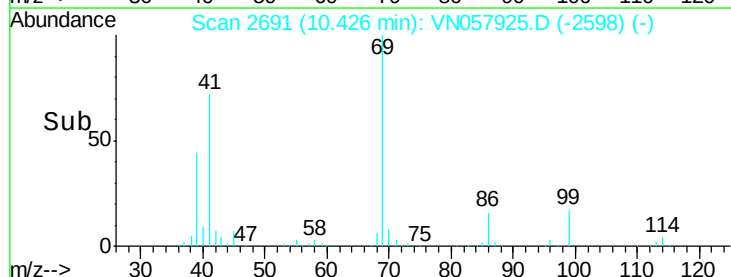
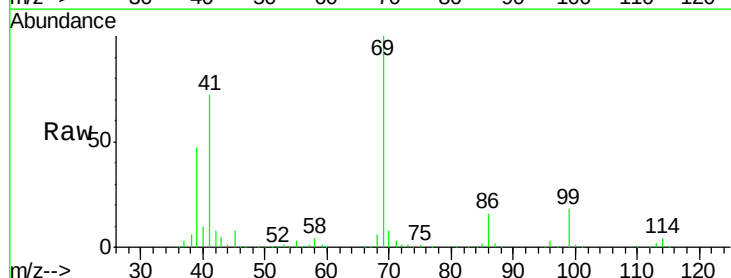
Tgt Ion: 69 Resp: 436539

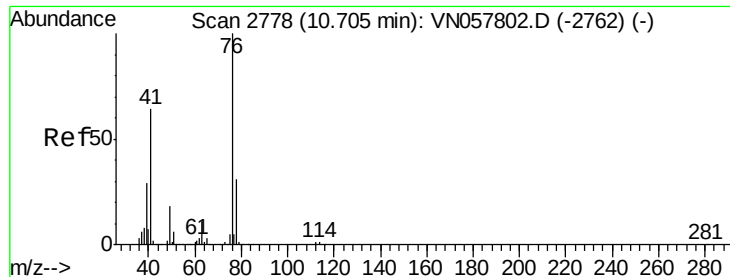
Ion Ratio Lower Upper

69 100

41 70.2 56.7 85.1

39 46.3 36.3 54.5





#57

1,3-Dichloropropane

Concen: 50.697 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 475442

Ion Ratio Lower Upper

76 100

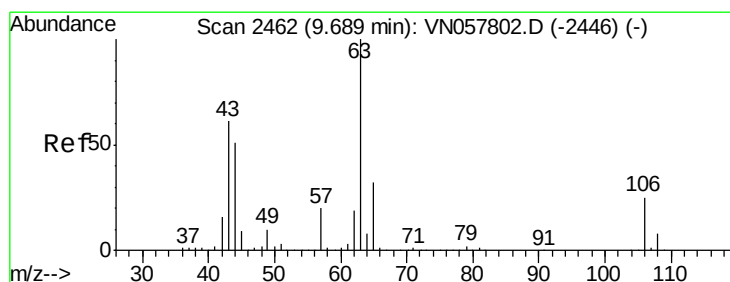
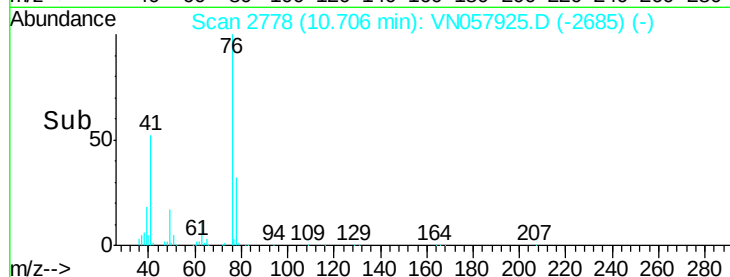
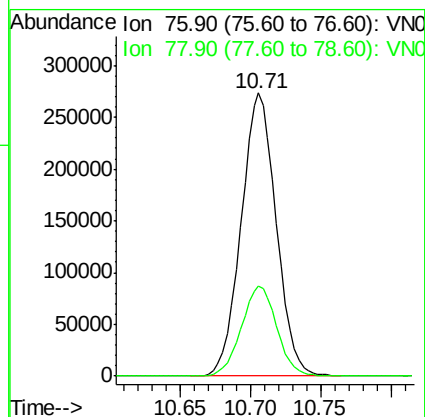
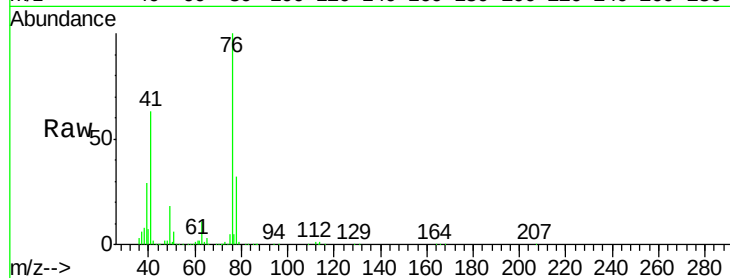
78 32.2 25.4 38.2

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#58

2-Chloroethyl Vinyl ether

Concen: 266.293 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057925.D

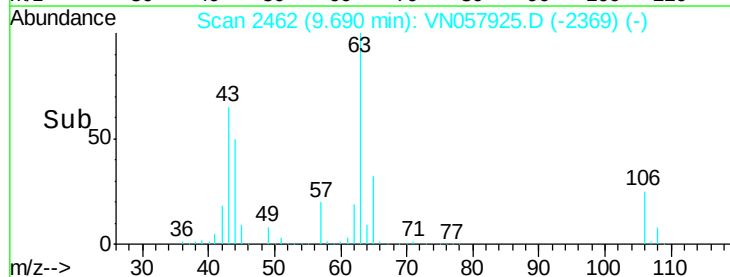
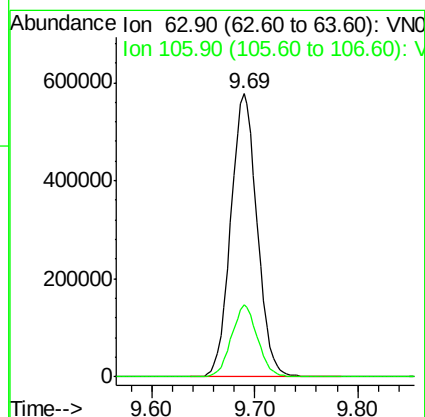
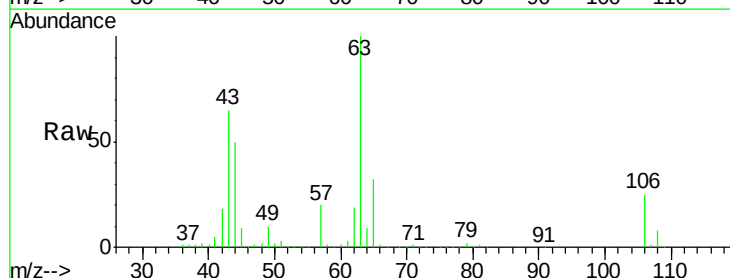
Acq: 11 Sep 2019 15:59

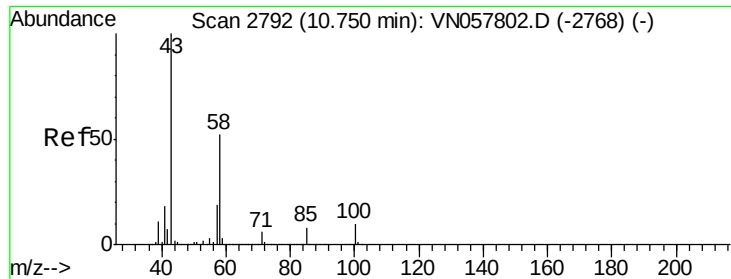
Tgt Ion: 63 Resp: 1027792

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0





#59

2-Hexanone

Concen: 292.300 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1526156

Ion Ratio Lower Upper

43 100

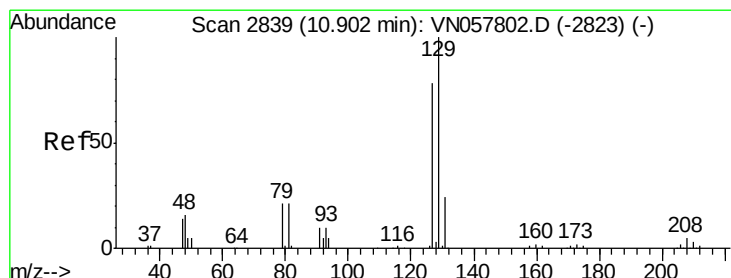
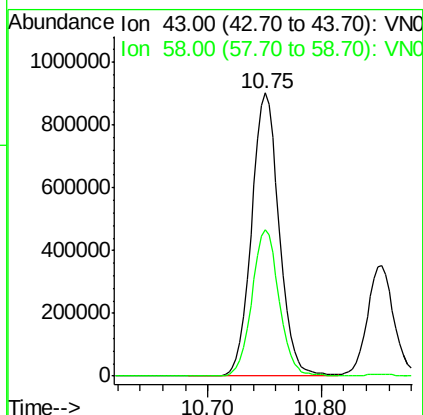
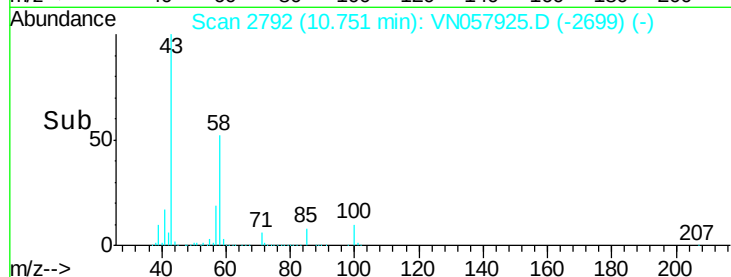
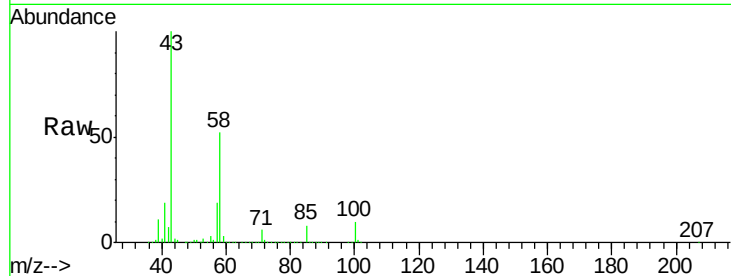
58 51.3 25.6 76.8

Manual Integrations

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#60

Dibromochloromethane

Concen: 52.833 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN057925.D

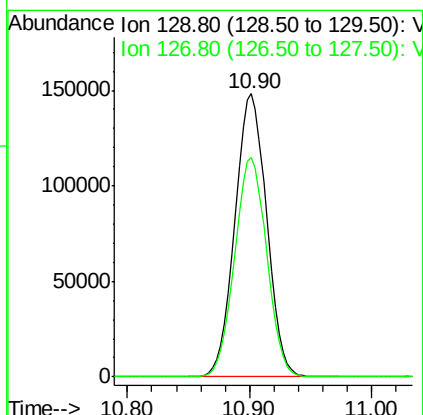
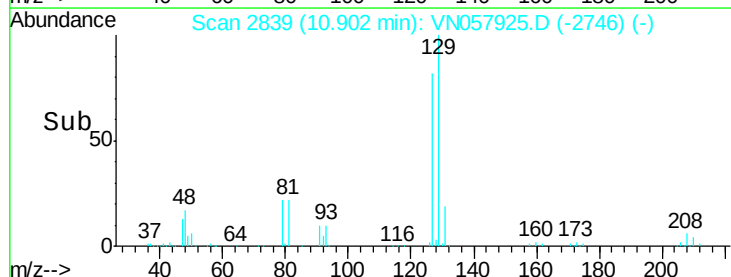
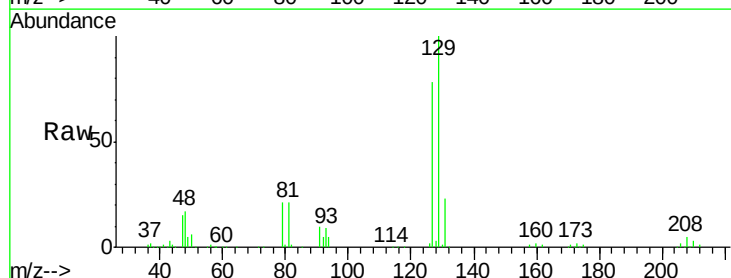
Acq: 11 Sep 2019 15:59

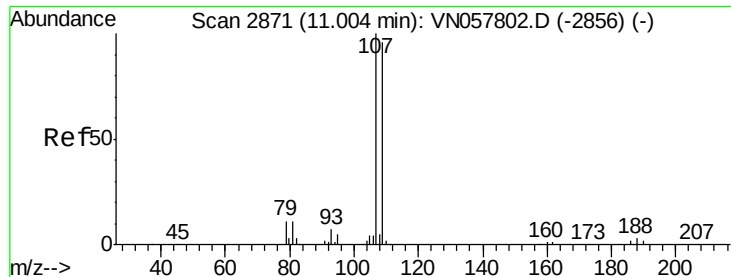
Tgt Ion: 129 Resp: 266974

Ion Ratio Lower Upper

129 100

127 78.1 38.6 116.0





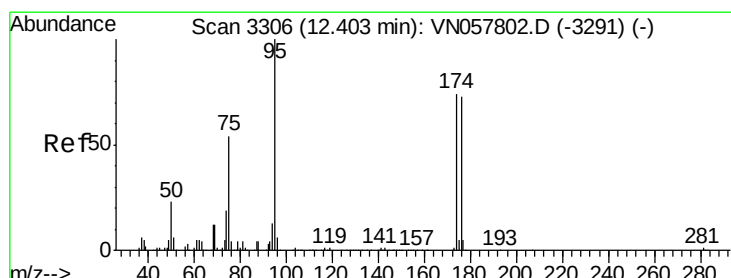
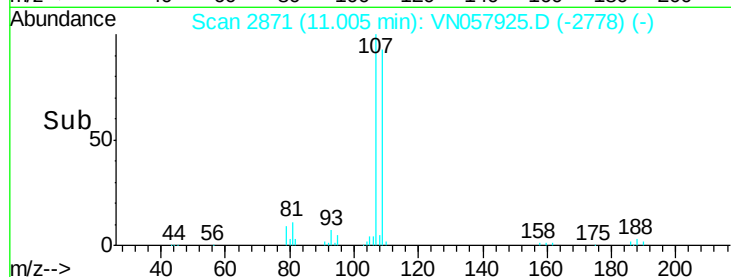
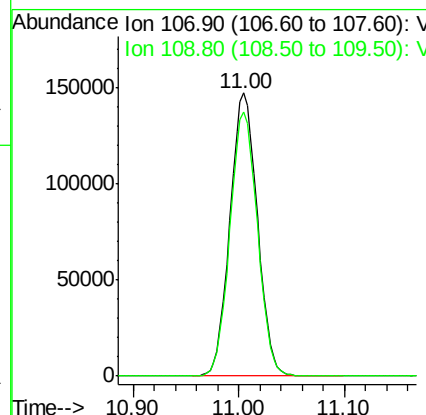
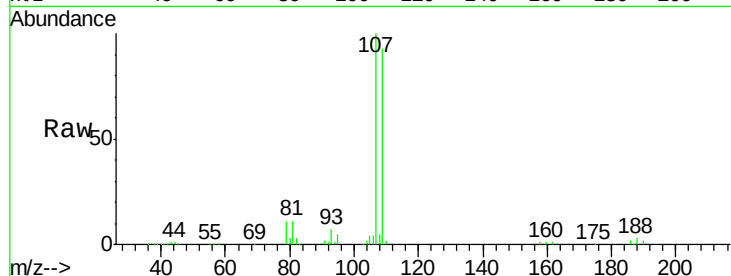
#61
 1,2-Dibromoethane
 Concen: 51.520 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.3	112.9

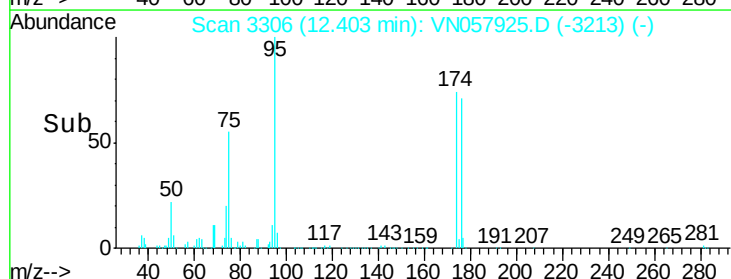
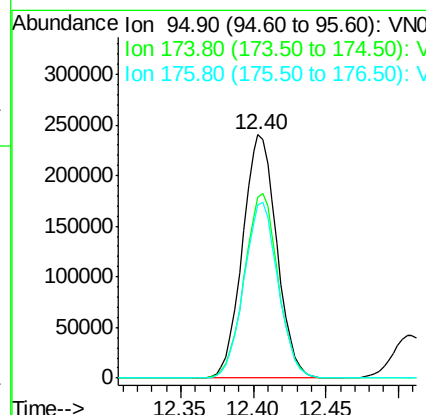
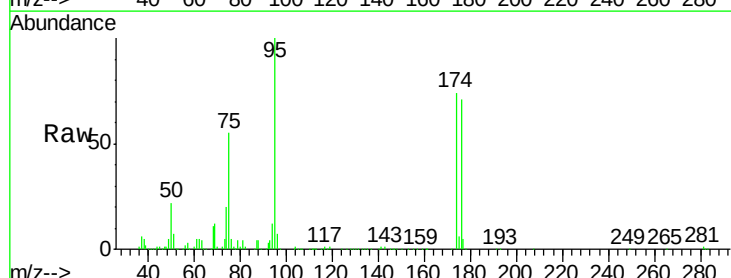
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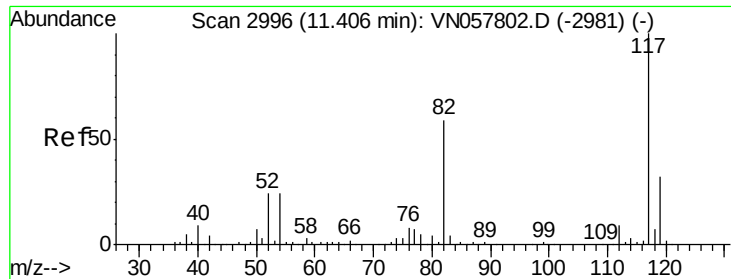
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 49.378 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	0.0	150.2
176	72.1	0.0	146.0





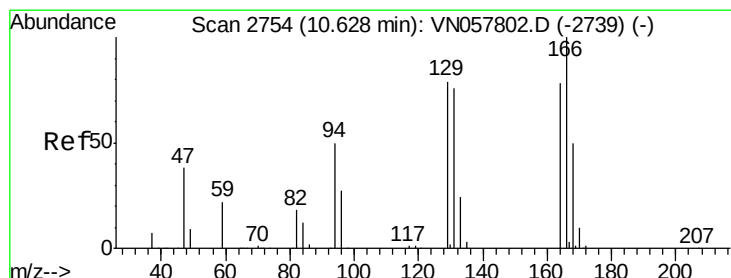
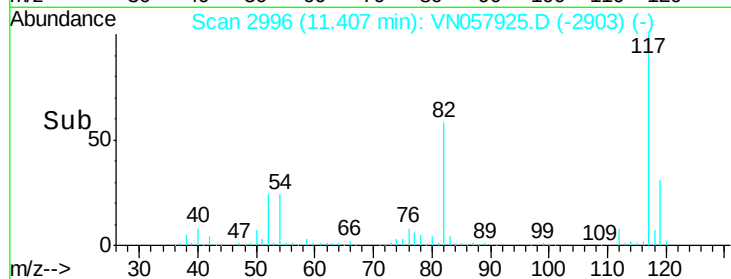
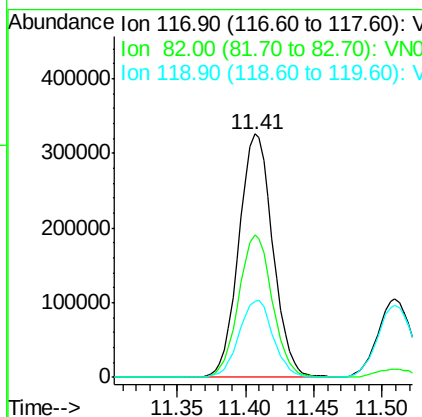
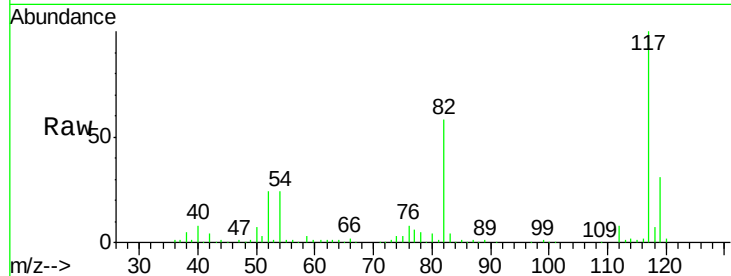
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	47.2	70.8
119	31.4	25.3	37.9

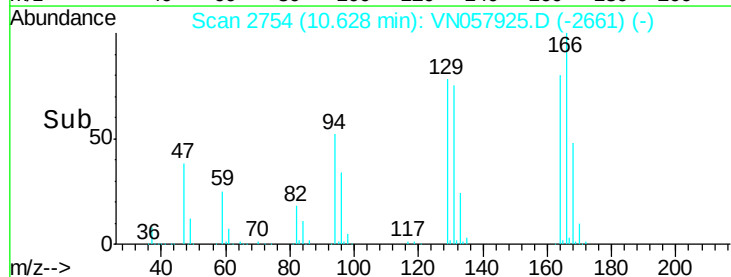
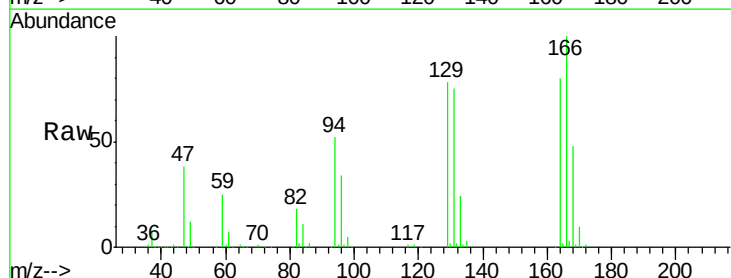
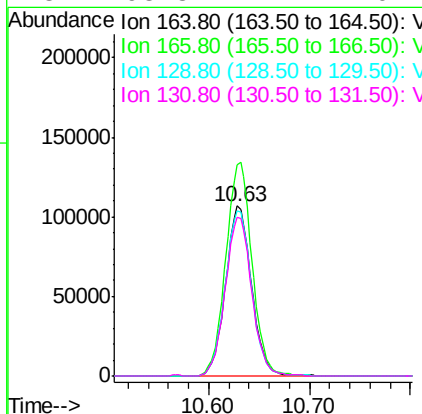
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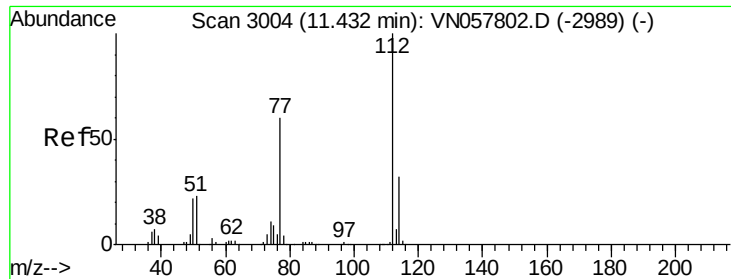
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#64
Tetrachloroethene
Concen: 46.147 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	102.2	153.2
129	97.5	80.8	121.2
131	93.8	77.4	116.2





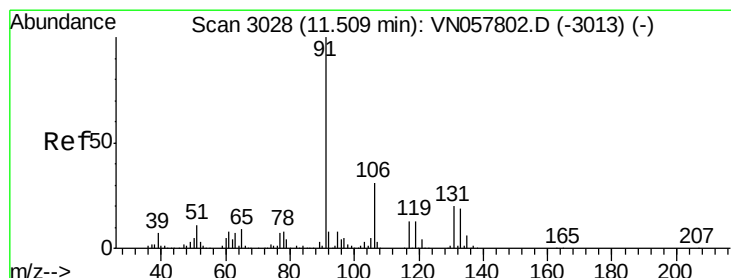
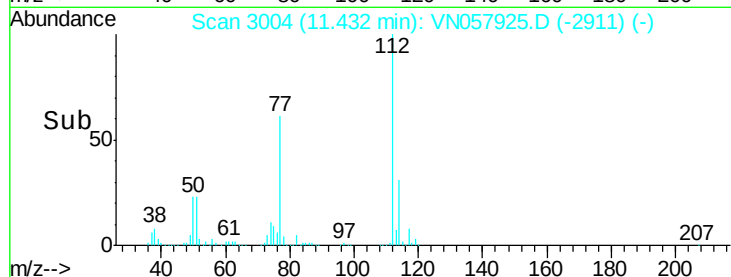
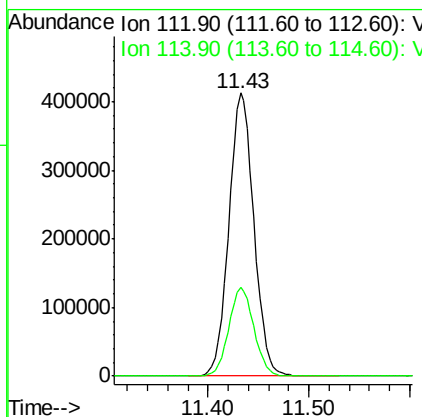
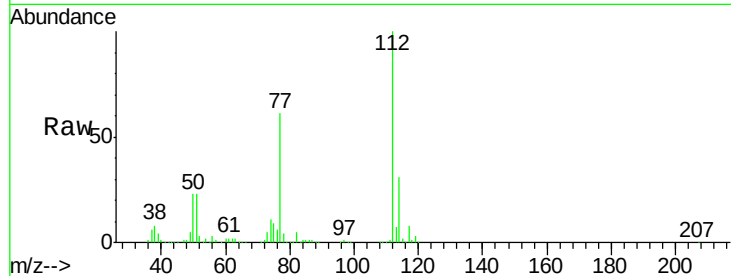
#65
Chlorobenzene
Concen: 48.194 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.2	37.8

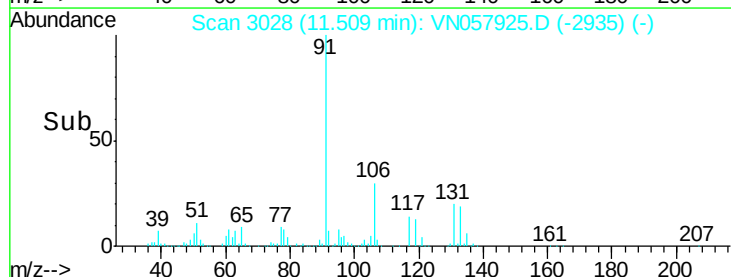
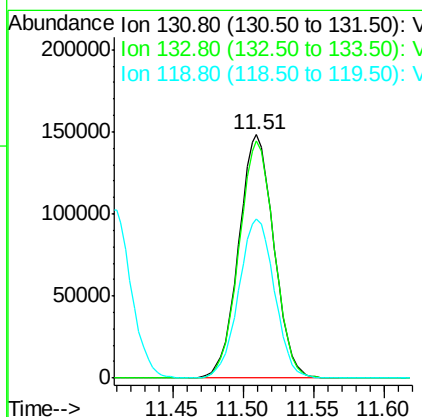
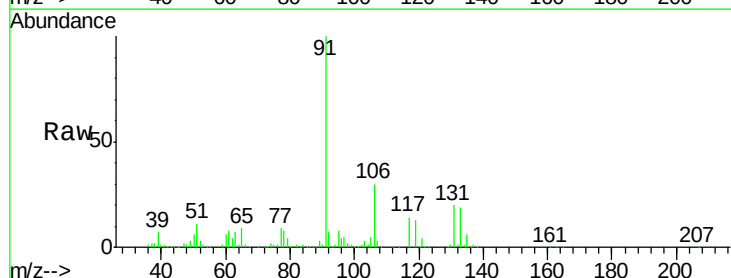
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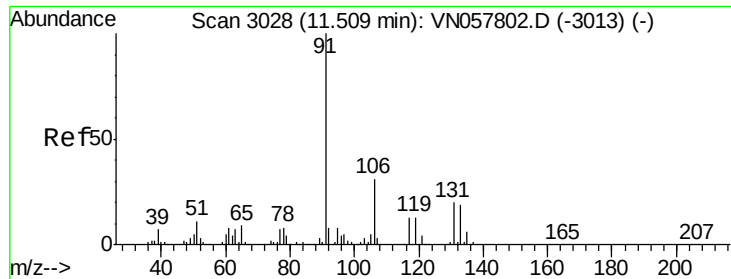
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.579 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.1	141.3
119	66.3	33.3	99.8





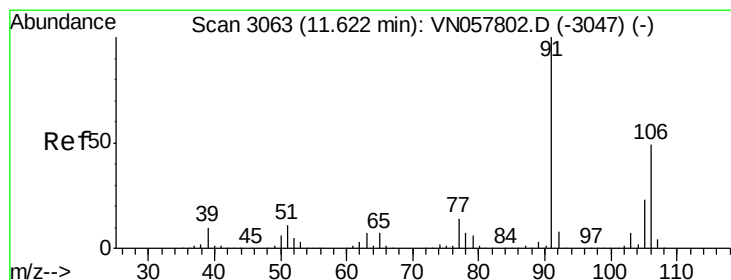
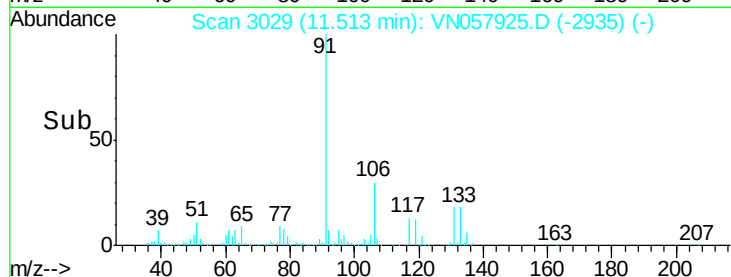
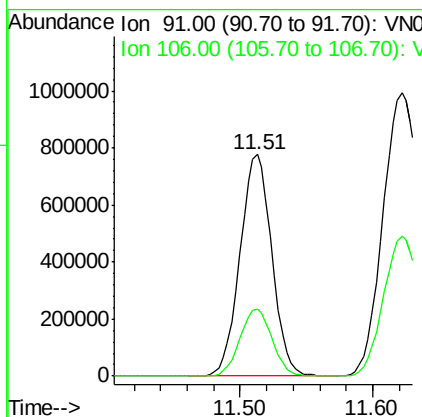
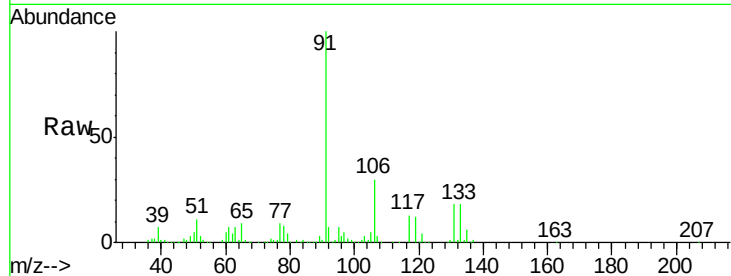
#67
Ethyl Benzene
Concen: 50.027 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1293811
Ion Ratio Lower Upper
91 100
106 30.4 24.4 36.6

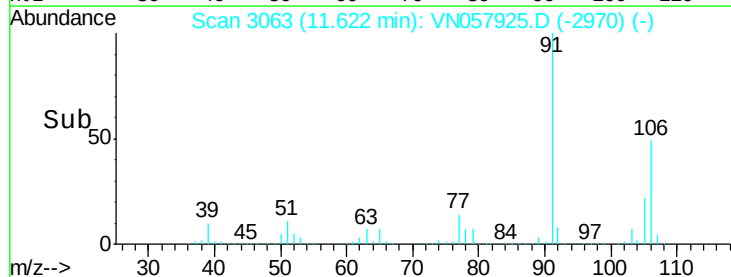
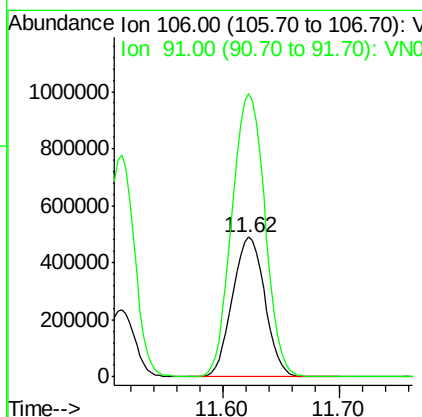
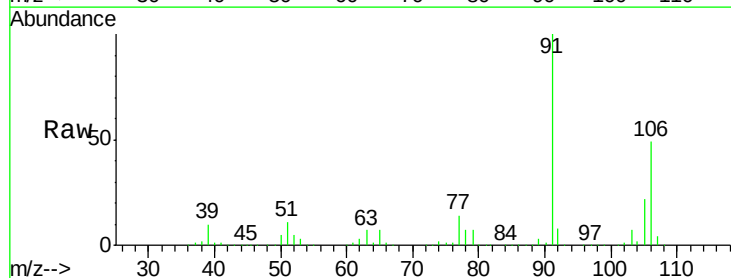
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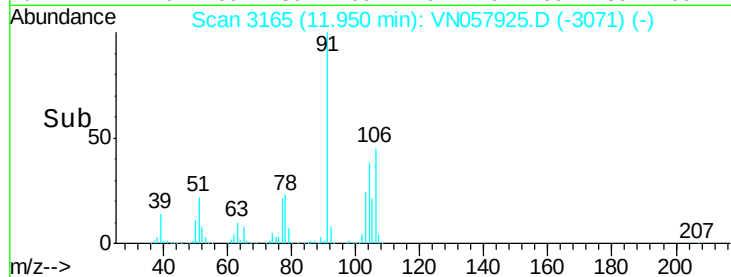
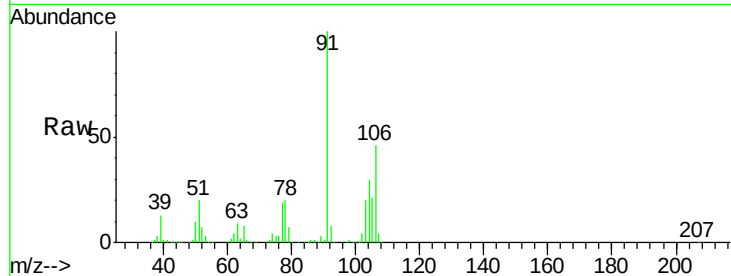
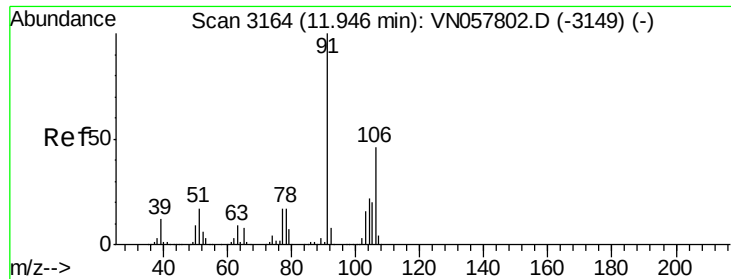
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#68
m/p-Xylenes
Concen: 99.973 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion: 106 Resp: 947092
Ion Ratio Lower Upper
106 100
91 207.2 165.8 248.6





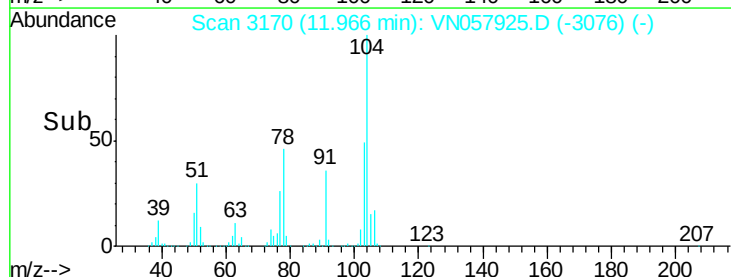
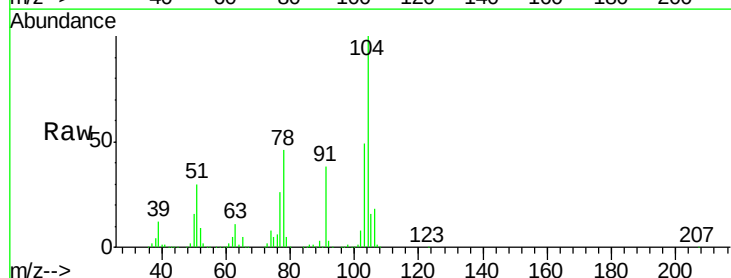
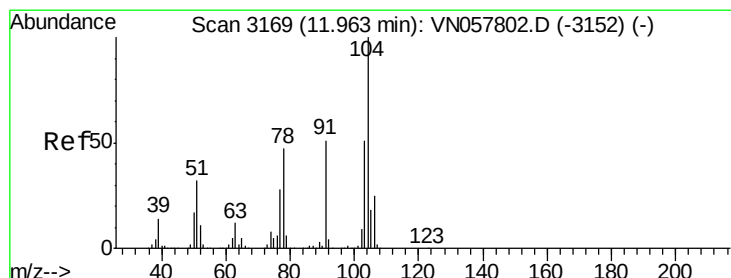
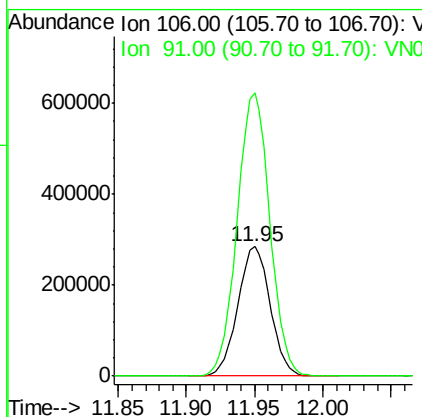
#69
o-Xylene
Concen: 49.855 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tot Ion:106 Resp: 469536
Ion Ratio Lower Upper
106 100
91 220.4 108.7 326.1

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

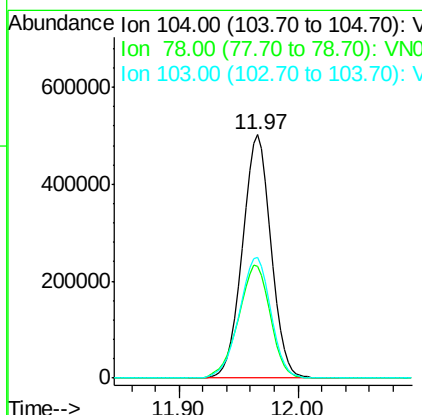
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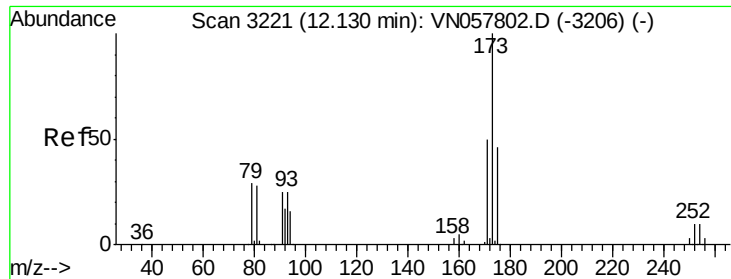
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#70
Styrene
Concen: 51.426 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion:104 Resp: 833530
Ion Ratio Lower Upper
104 100
78 51.9 41.3 61.9
103 54.8 43.7 65.5





#71

Bromoform

Concen: 54.231 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

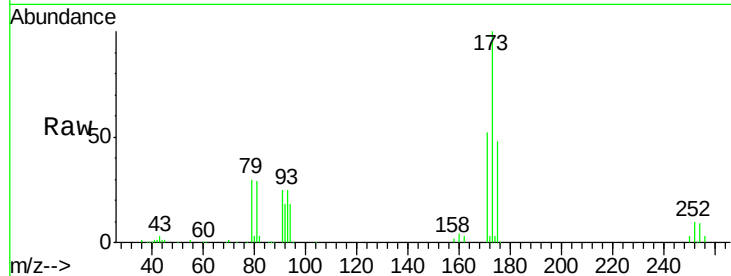
ClientSampled :

VSTDCCC050

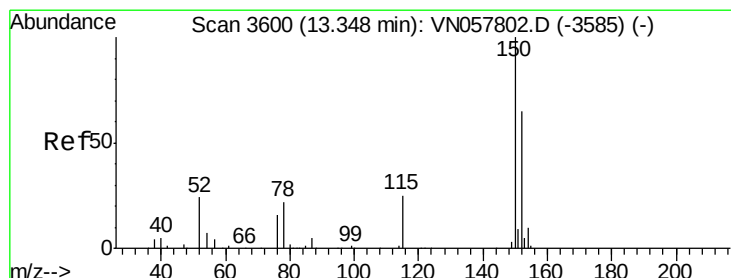
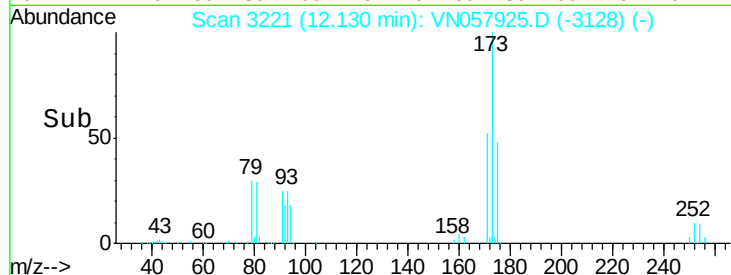
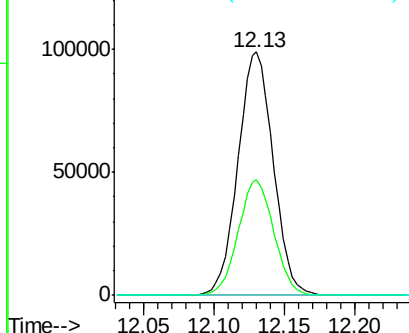
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.5	70.6
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

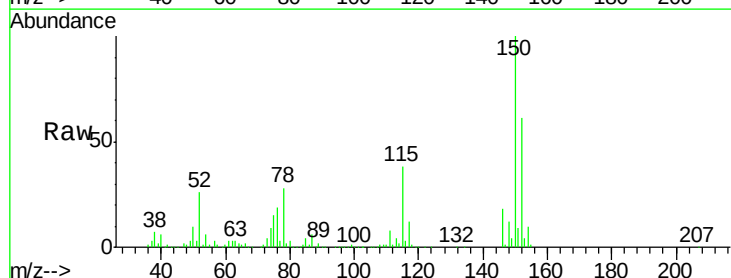
RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

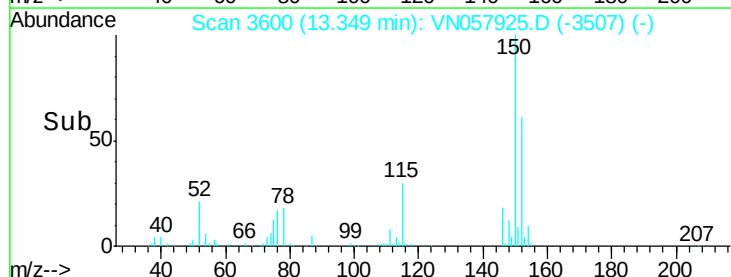
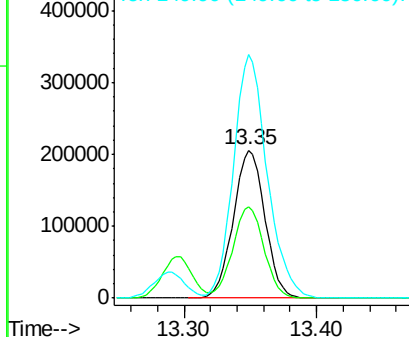
Lab File: VN057925.D

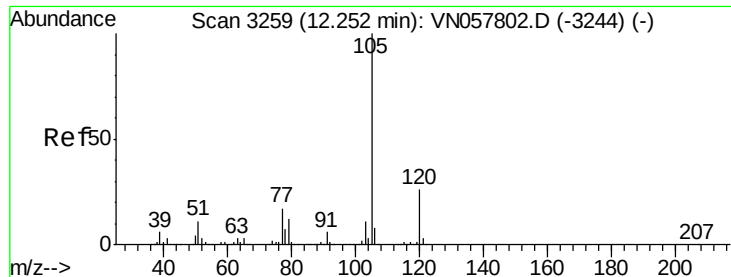
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.3	91.0
150	176.5	0.0	352.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.232 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1319688

Ion Ratio Lower Upper

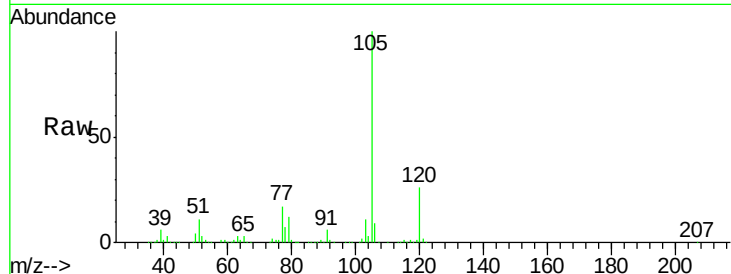
105 100

120 25.7 12.8 38.4

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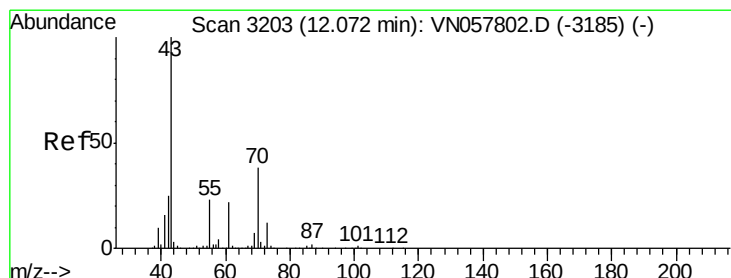
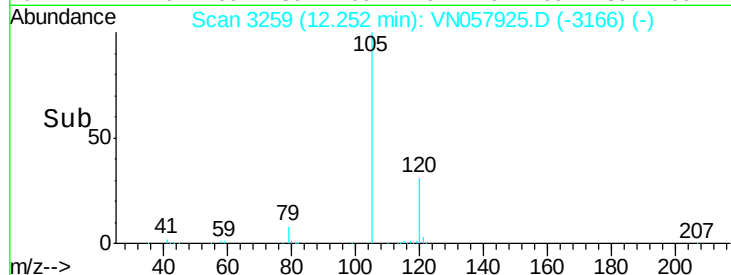
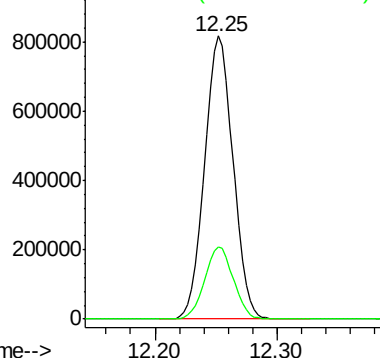
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.090 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Tgt Ion: 43 Resp: 607008

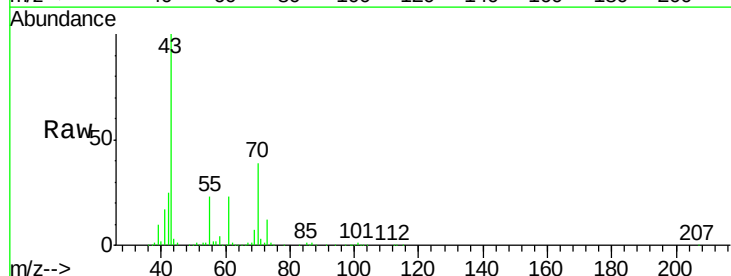
Ion Ratio Lower Upper

43 100

70 39.6 30.6 45.8

55 23.1 18.6 27.8

61 22.8 17.4 26.2

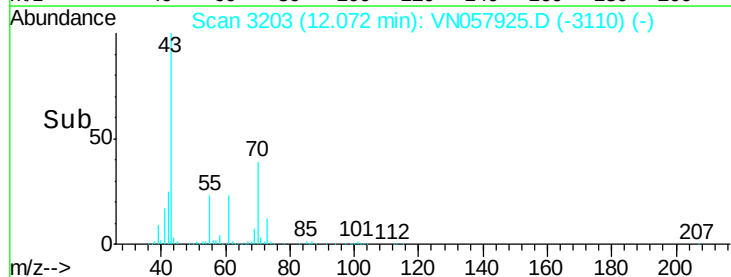
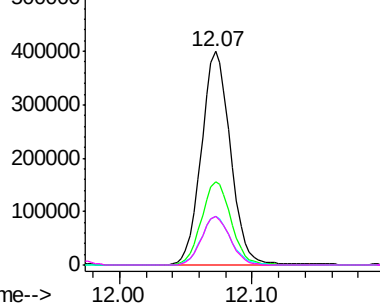


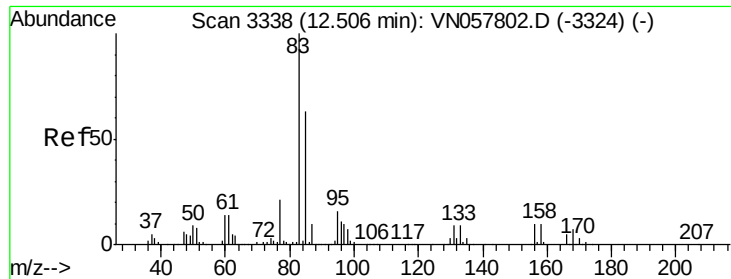
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 49.644 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

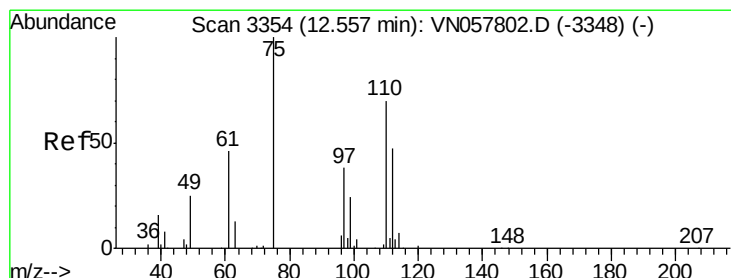
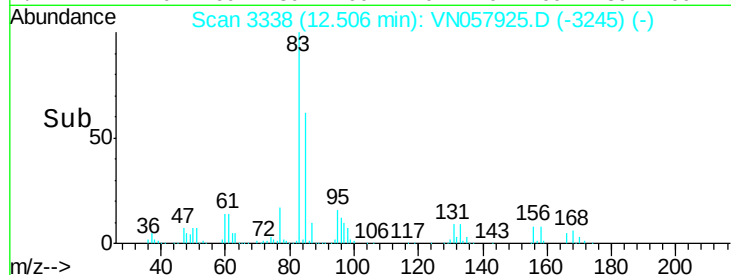
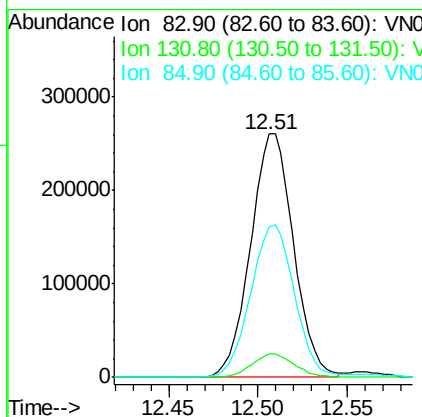
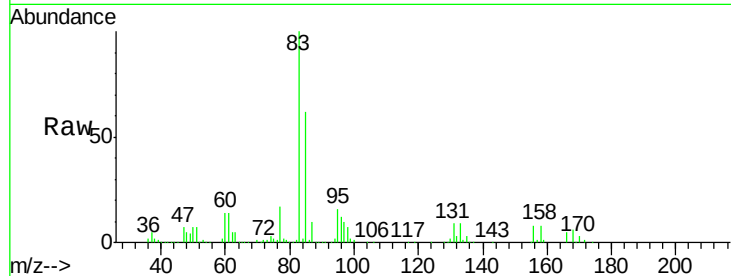
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	439137
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.8	14.3
85	63.9	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 48.642 ug/l m

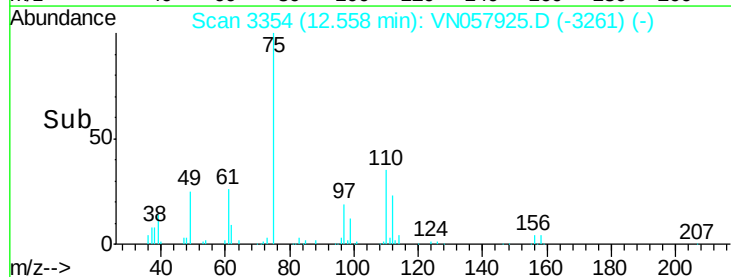
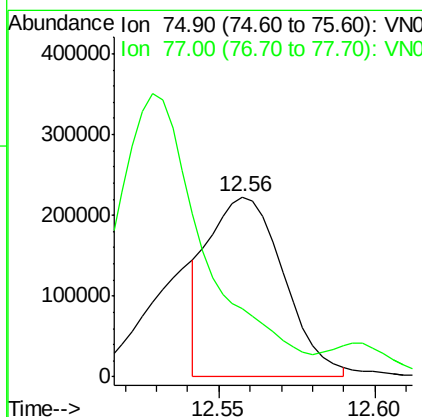
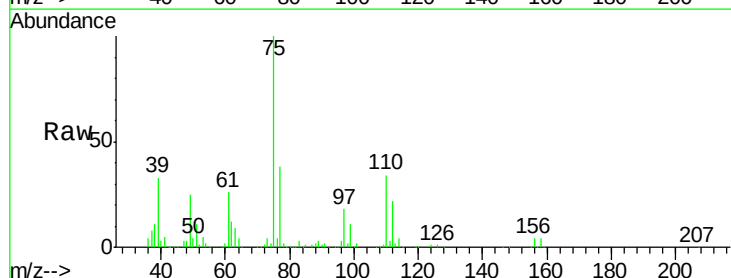
RT: 12.56 min Scan# 3354

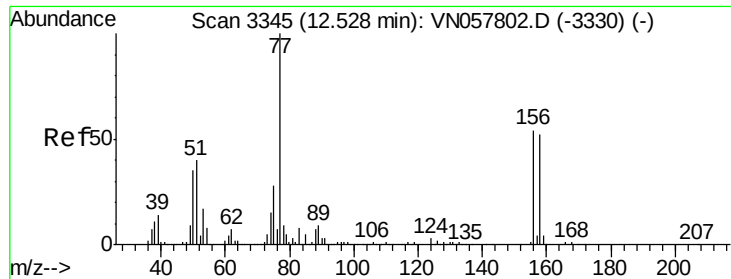
Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Tgt Ion:	75	Resp:	372549
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.631 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

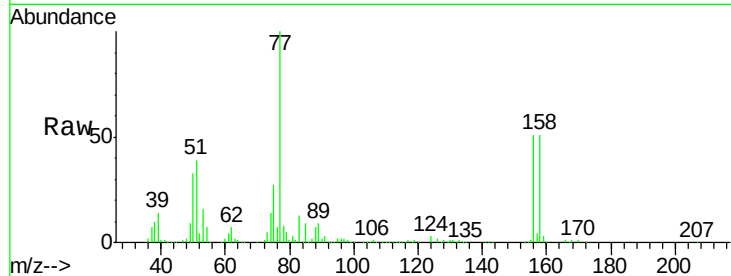
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	230.3	113.7	341.1
158	98.0	48.5	145.6

Manual Integrations
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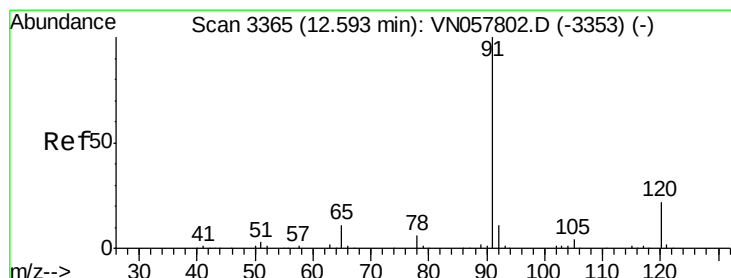
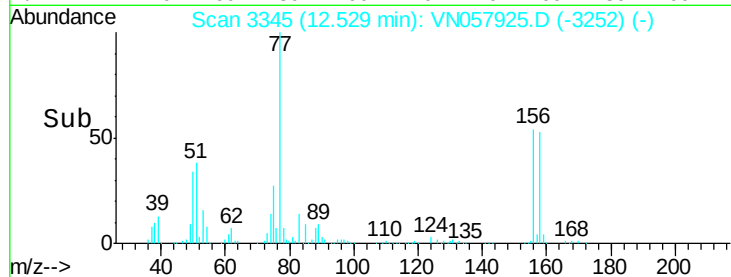
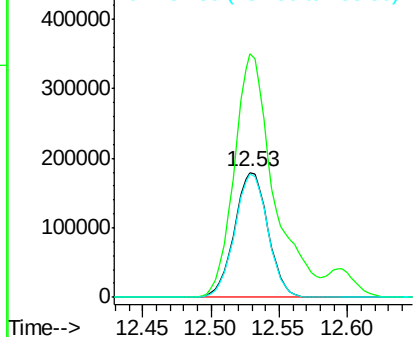
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.795 ug/l

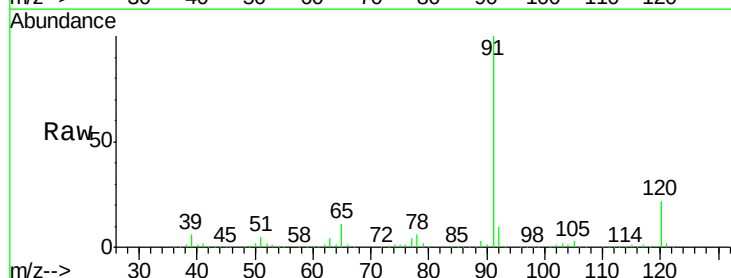
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057925.D

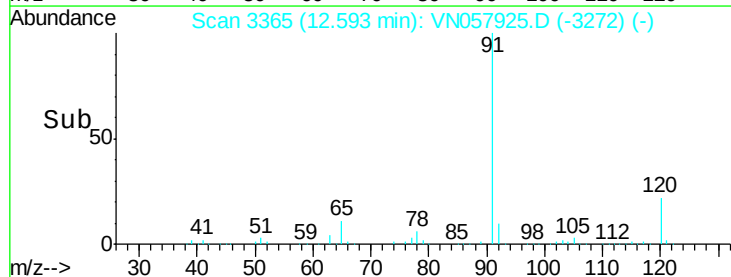
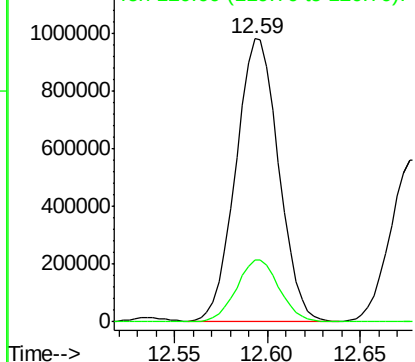
Acq: 11 Sep 2019 15:59

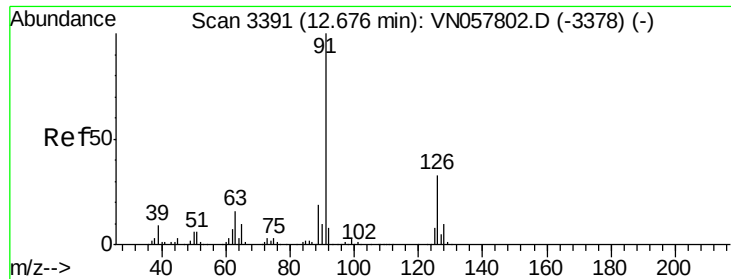
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.156 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 918205

Ion Ratio Lower Upper

91 100

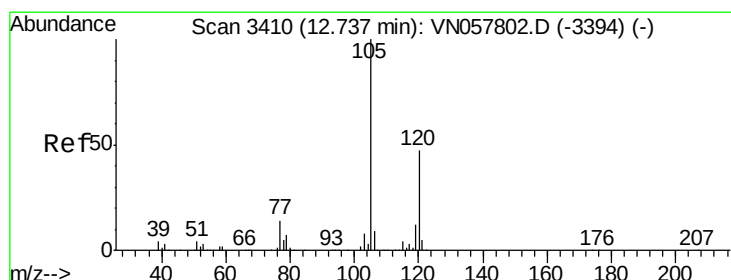
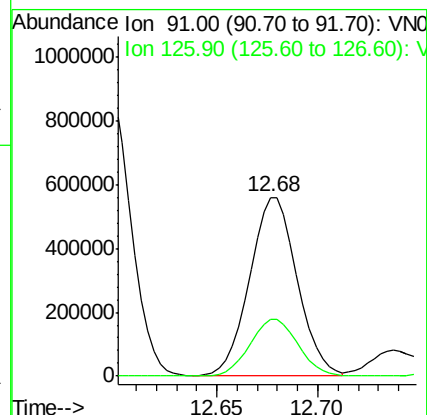
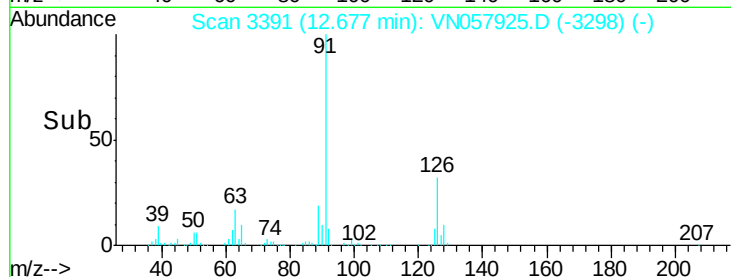
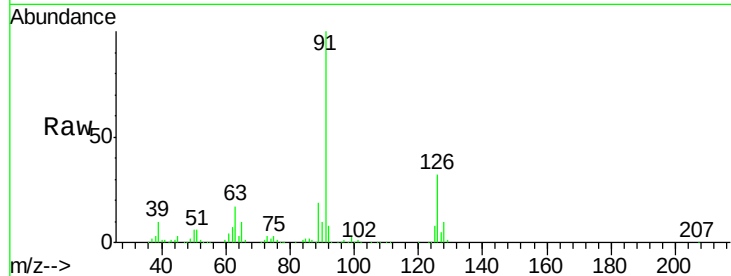
126 32.5 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 51.617 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057925.D

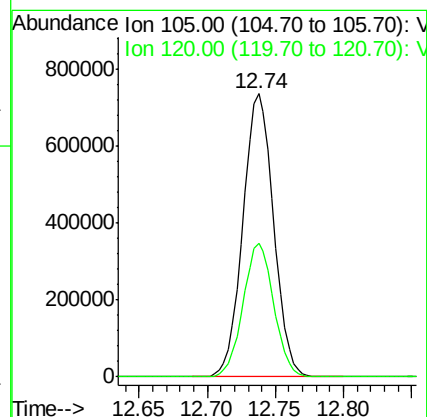
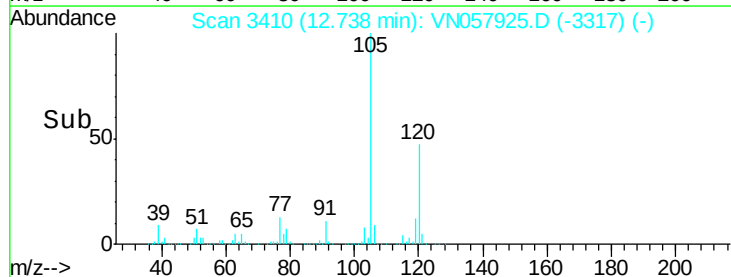
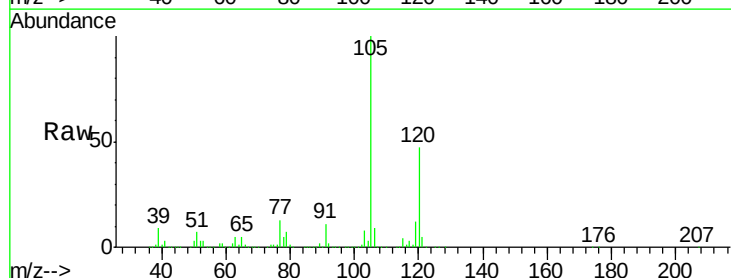
Acq: 11 Sep 2019 15:59

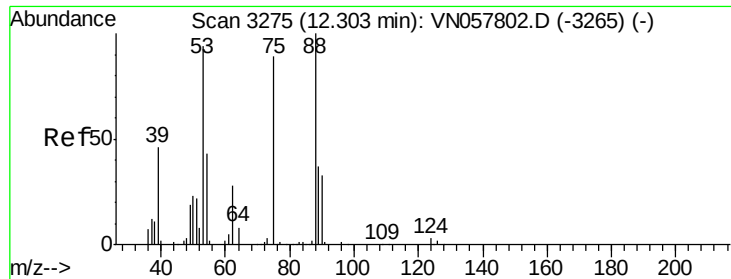
Tgt Ion: 105 Resp: 1145810

Ion Ratio Lower Upper

105 100

120 47.1 23.7 71.1





#81

trans-1,4-Dichloro-2-butene

Concen: 53.892 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

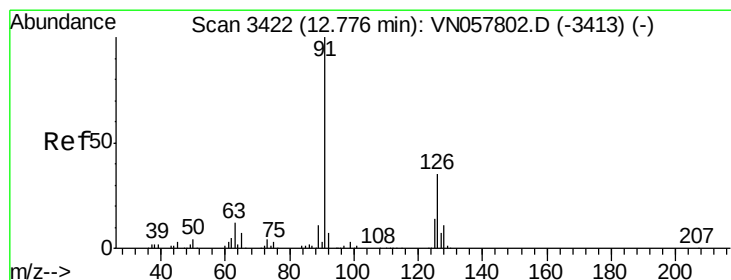
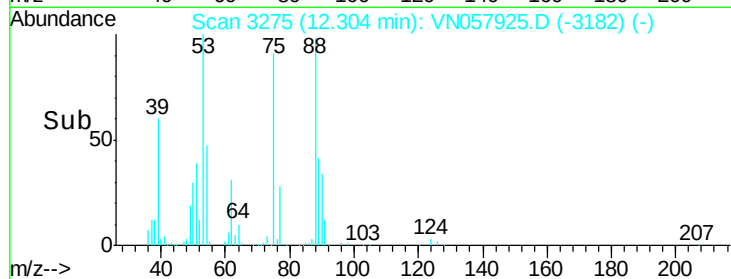
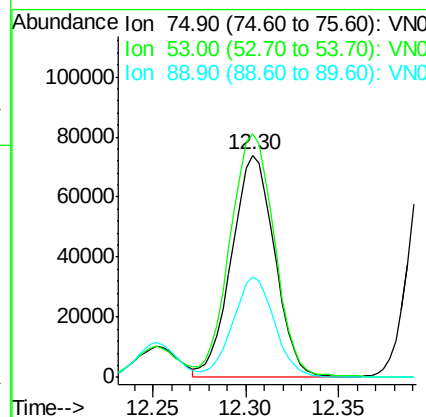
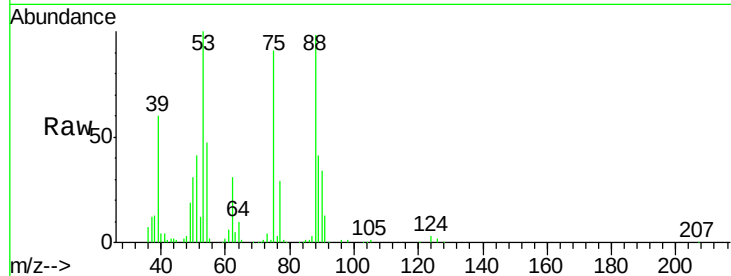
ClientSampled :

VSTDCCC050

Tot Ion:	75	Resp:	117295
Ion Ratio	Lower	Upper	
75	100		
53	115.3	88.4	132.6
89	44.5	35.3	52.9

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#82

4-Chlorotoluene

Concen: 49.310 ug/l

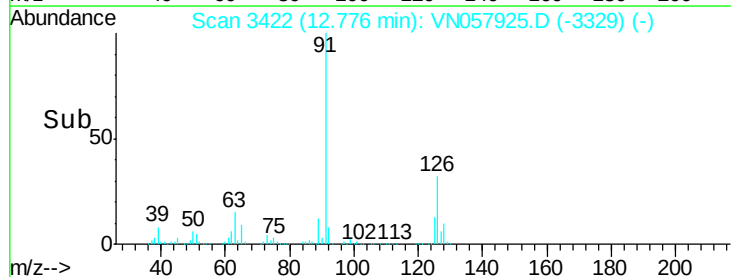
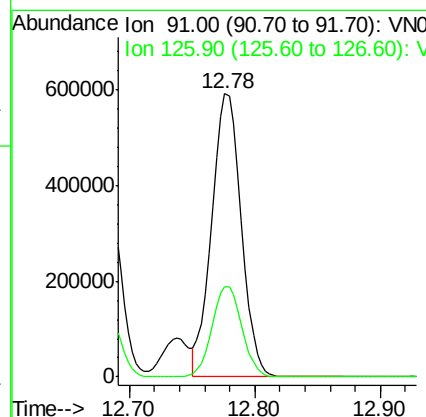
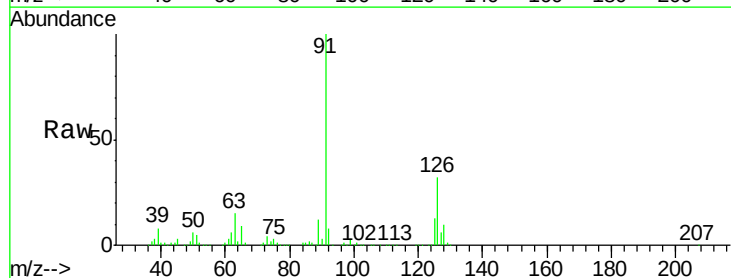
RT: 12.78 min Scan# 3422

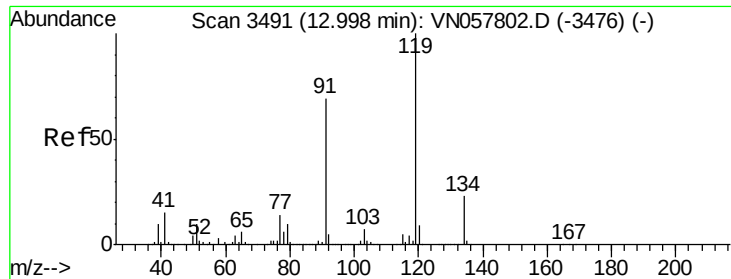
Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Tgt Ion:	91	Resp:	965526
Ion Ratio	Lower	Upper	
91	100		
126	32.2	16.0	48.0





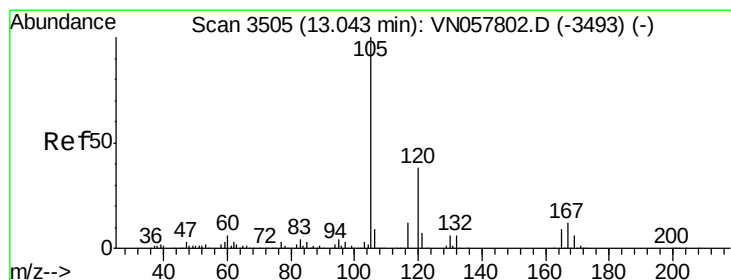
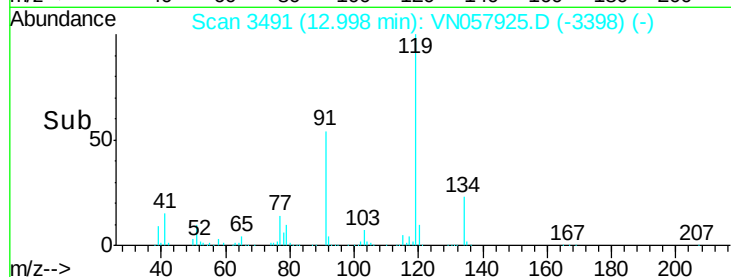
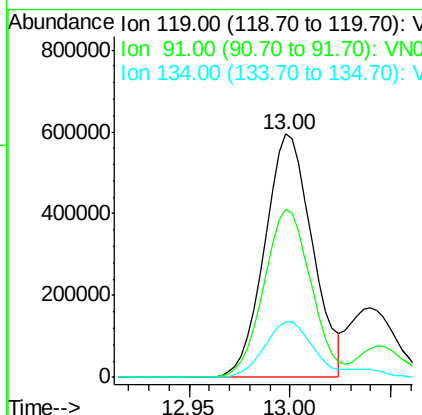
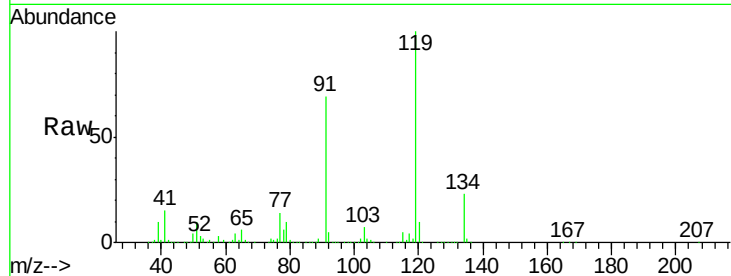
#83
 tert-Butylbenzene
 Concen: 49.447 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	975697		
91	68.5		33.6	100.8
134	23.5		11.7	35.0

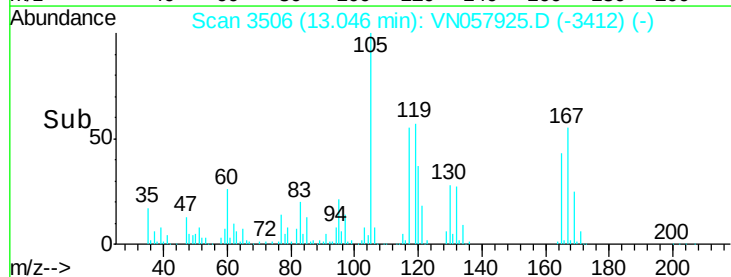
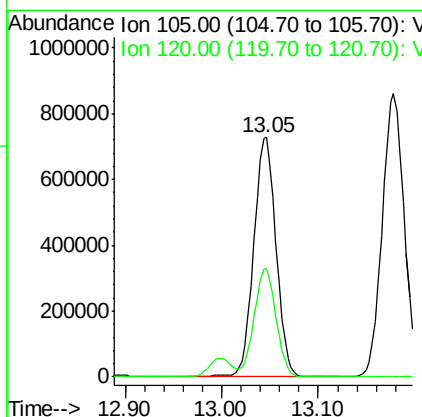
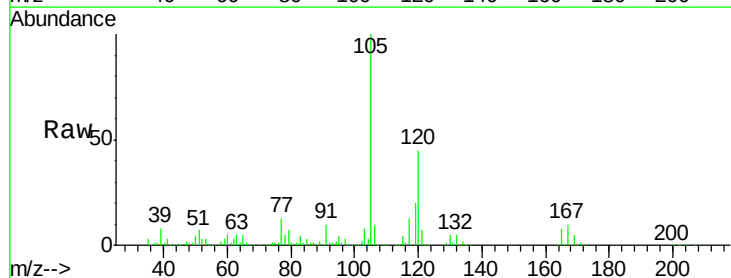
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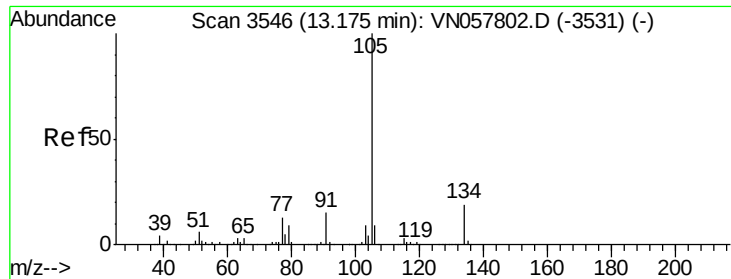
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.628 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1164794		
120	44.3		22.4	67.2





#85

sec-Butylbenzene

Concen: 51.710 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1352409

Ion Ratio Lower Upper

105 100

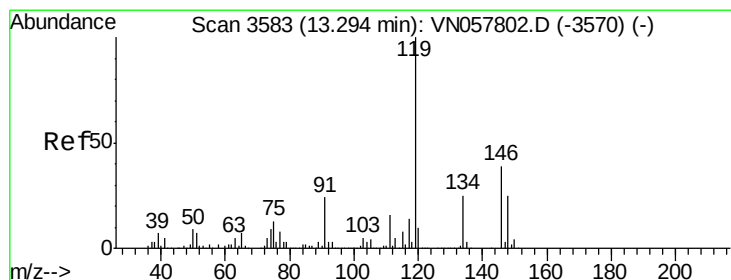
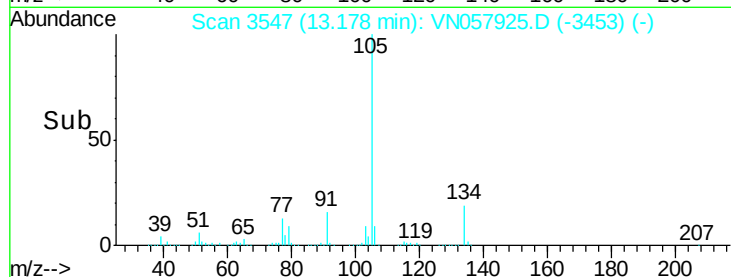
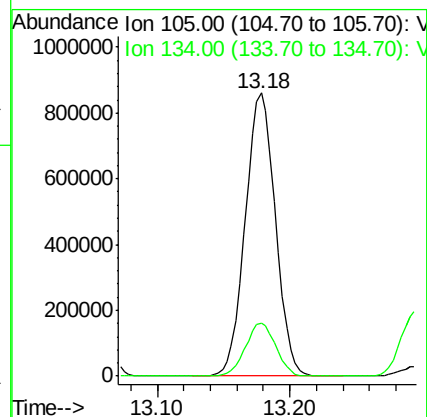
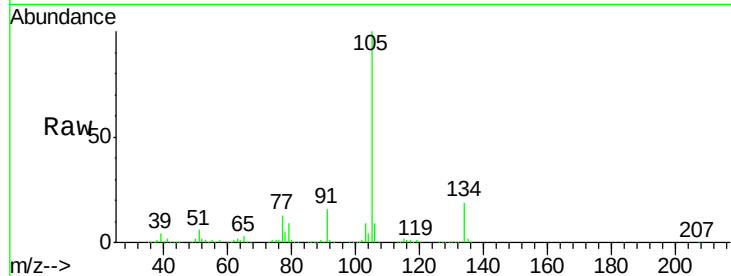
134 18.9 9.6 28.6

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#86

p-Isopropyltoluene

Concen: 53.092 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057925.D

Acq: 11 Sep 2019 15:59

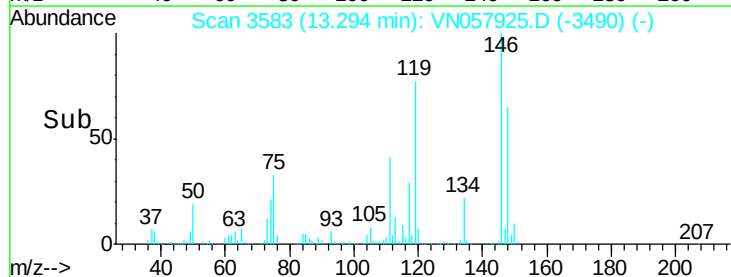
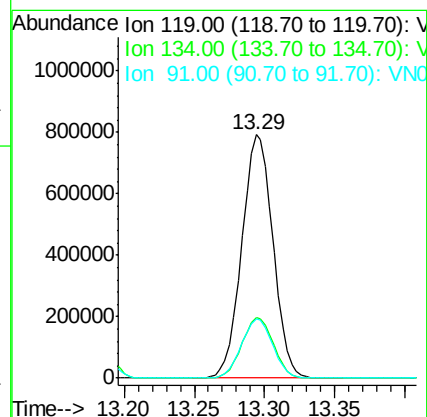
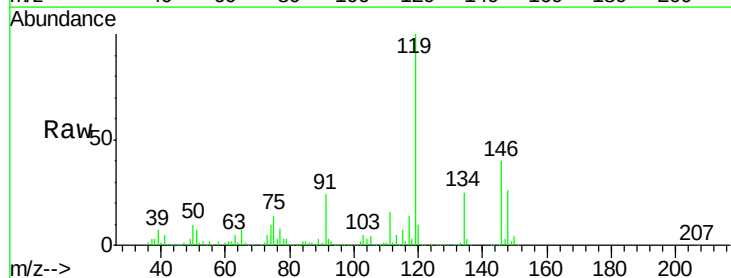
Tgt Ion:119 Resp: 1223457

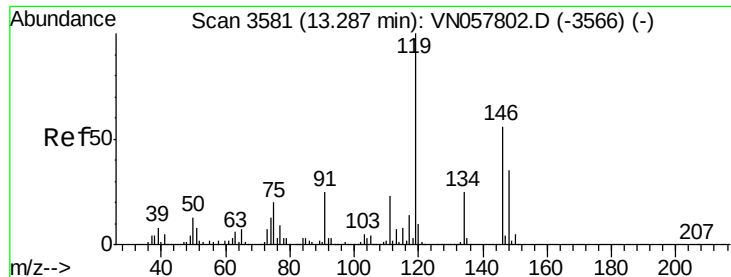
Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

91 24.5 12.3 36.8





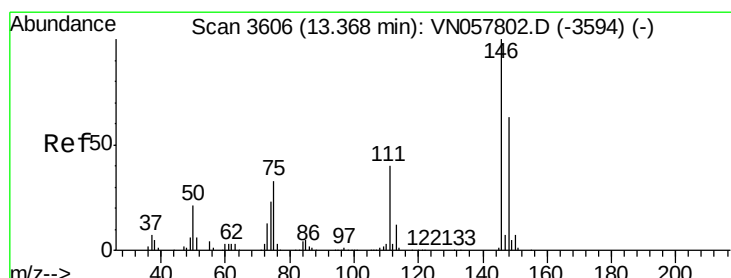
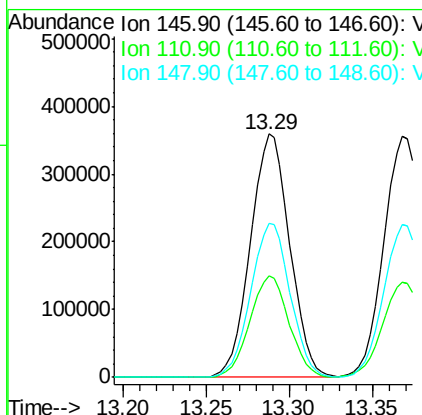
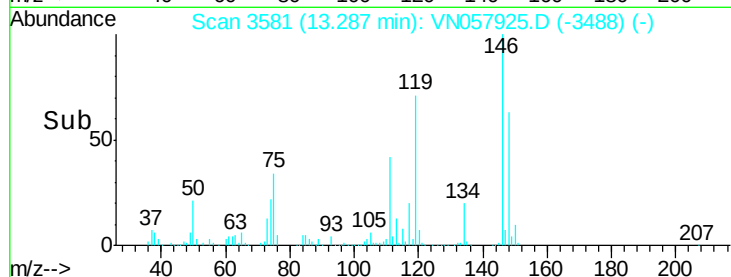
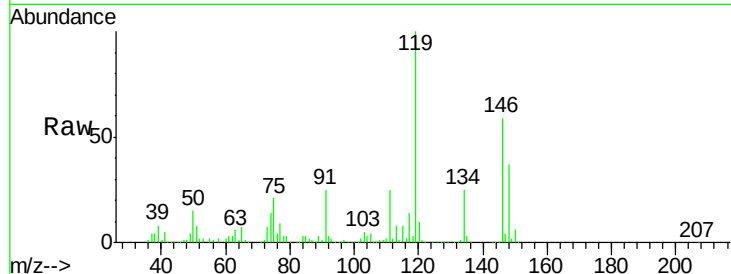
#87
 1,3-Dichlorobenzene
 Concen: 49.140 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	590806		
111	41.7	20.5	61.6	
148	63.5	31.5	94.5	

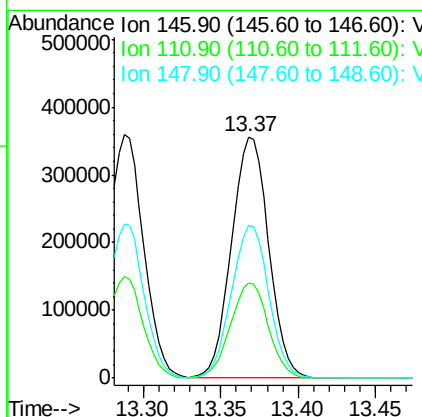
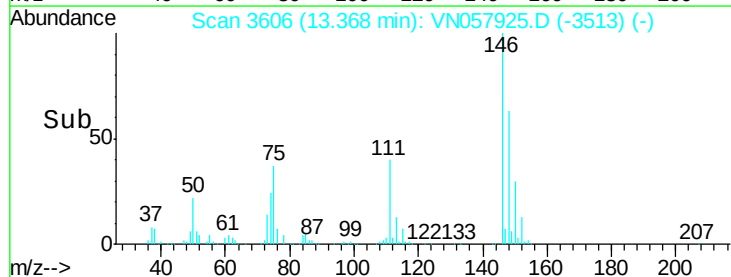
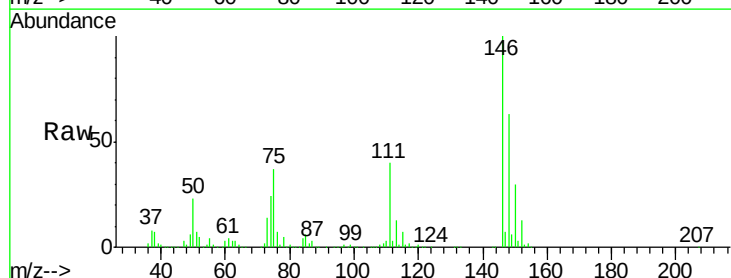
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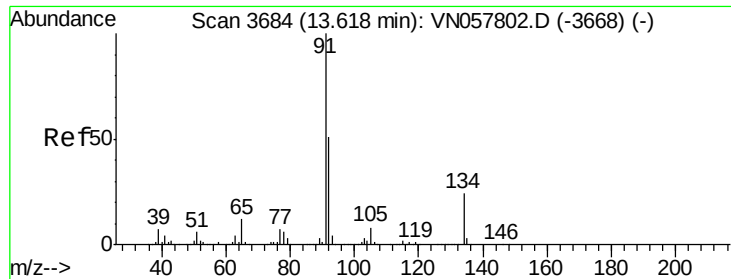
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#88
 1,4-Dichlorobenzene
 Concen: 48.605 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	593173		
111	40.1	20.4	61.2	
148	63.6	31.8	95.4	





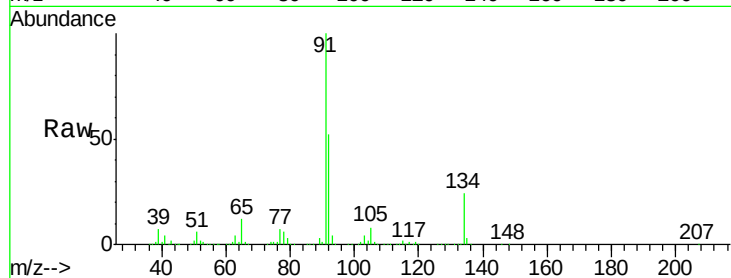
#89
n-Butylbenzene
Concen: 53.005 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

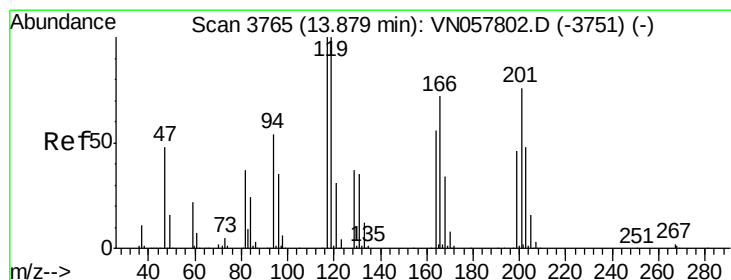
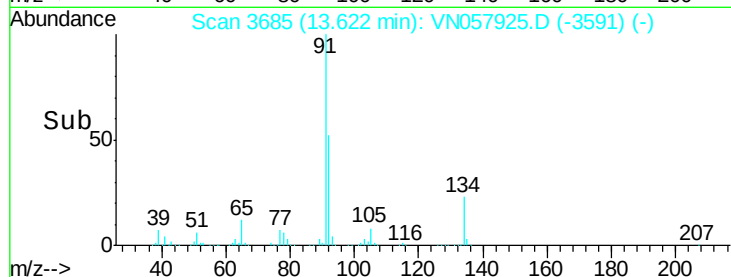
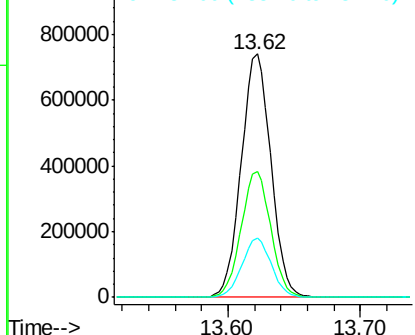
Tot Ion: 91 Resp: 1153490
Ion Ratio Lower Upper
91 100
92 51.5 25.7 77.0
134 23.9 11.9 35.7

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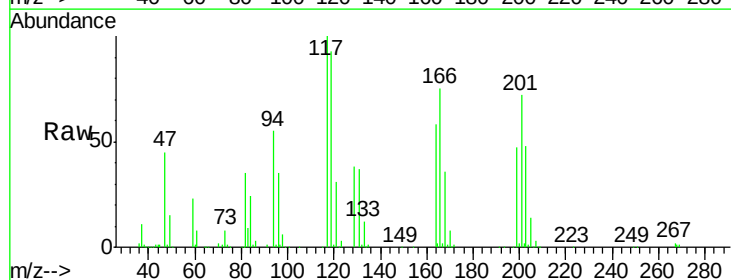


Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0
Ion 134.00 (133.70 to 134.70): V

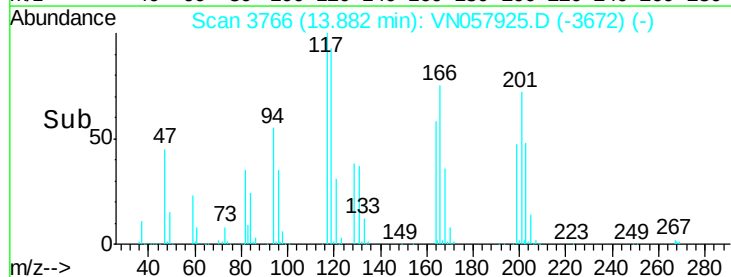
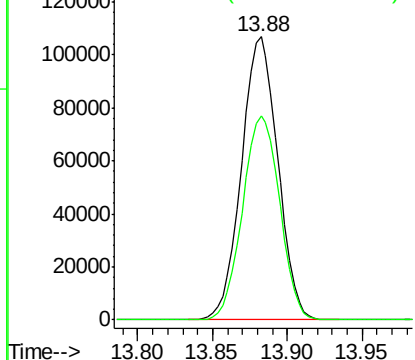


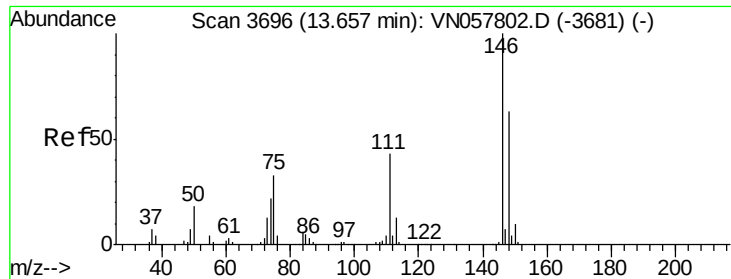
#90
Hexachloroethane
Concen: 52.755 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion: 117 Resp: 180798
Ion Ratio Lower Upper
117 100
201 73.4 37.5 112.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





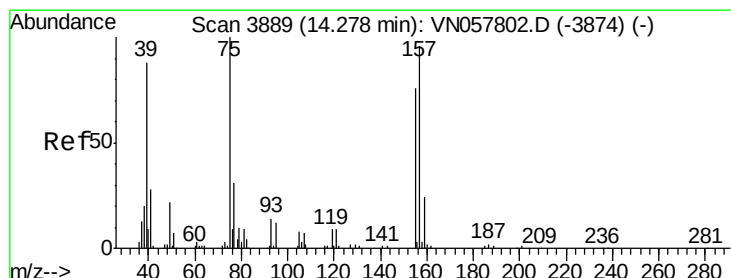
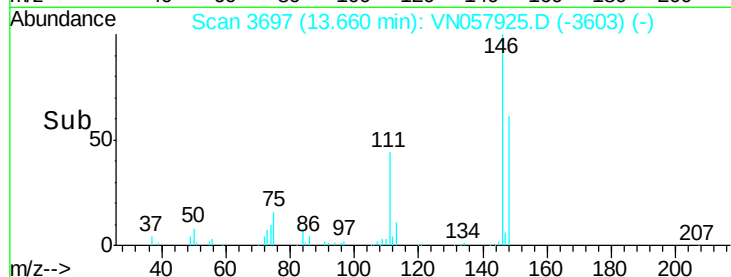
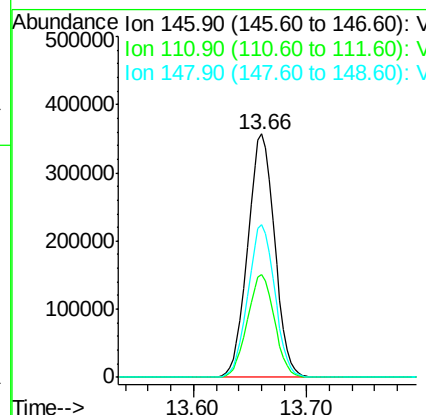
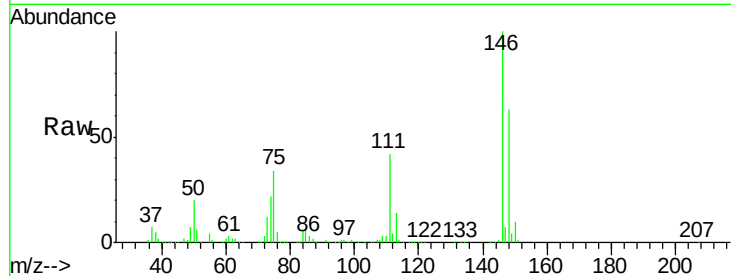
#91
 1,2-Dichlorobenzene
 Concen: 49.234 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	591367
Ion Ratio	Lower	Upper	
146	100		
111	42.7	21.3	63.9
148	62.7	31.4	94.3

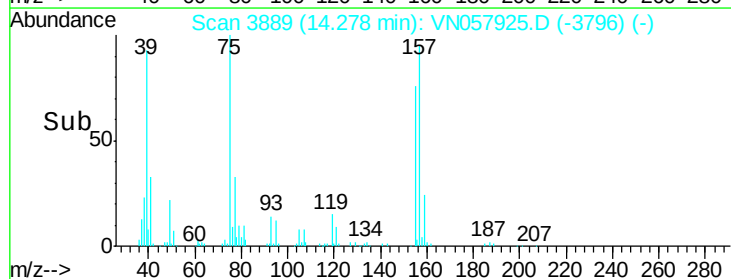
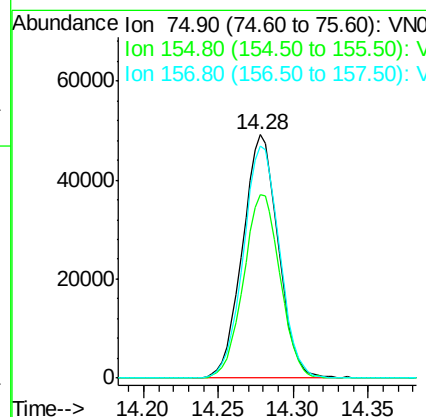
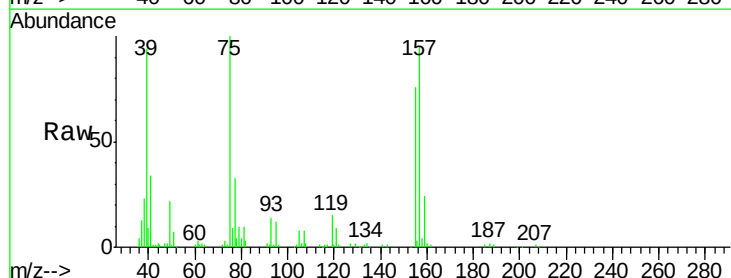
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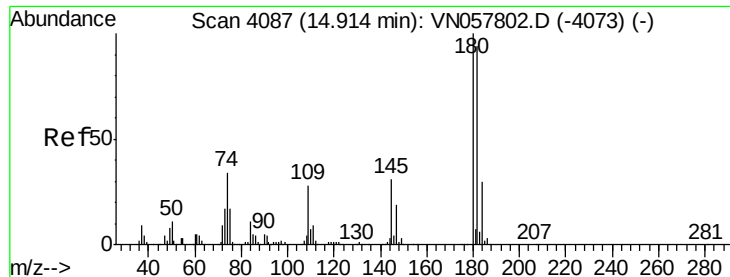
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.063 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Tgt Ion:	75	Resp:	81898
Ion Ratio	Lower	Upper	
75	100		
155	76.9	37.3	111.8
157	96.1	47.9	143.8





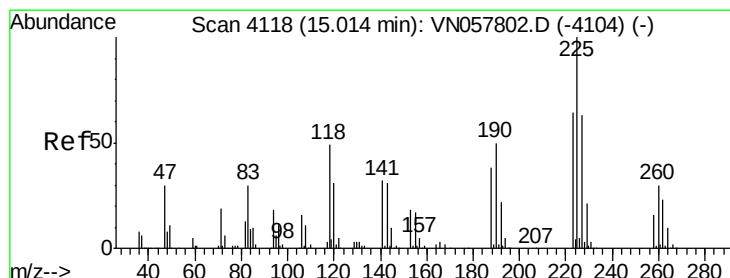
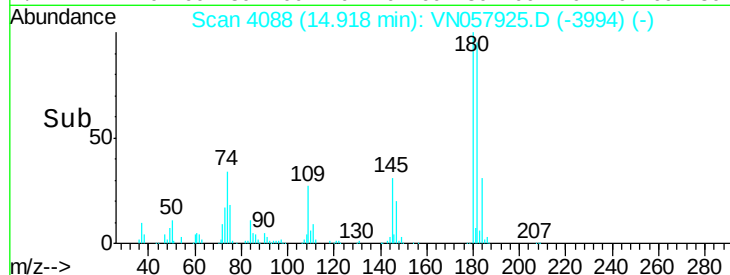
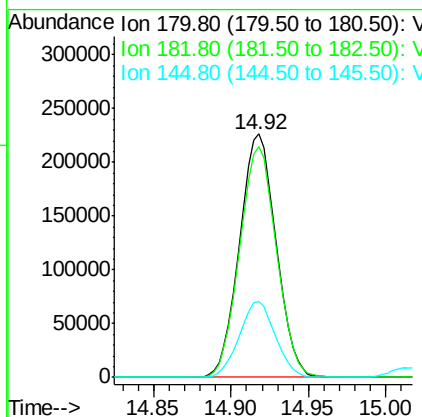
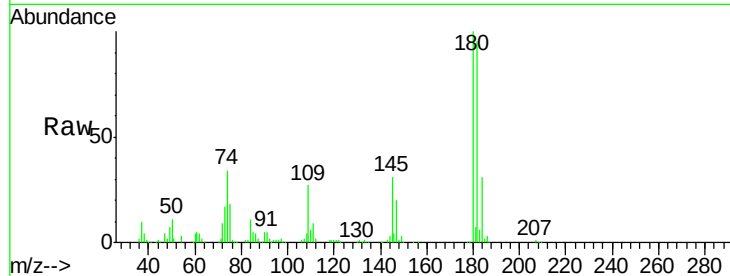
#93
 1,2,4-Trichlorobenzene
 Concen: 47.500 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	372912
Ion Ratio	Lower	Upper	
180	100		
182	95.5	46.9	140.8
145	30.8	14.9	44.7

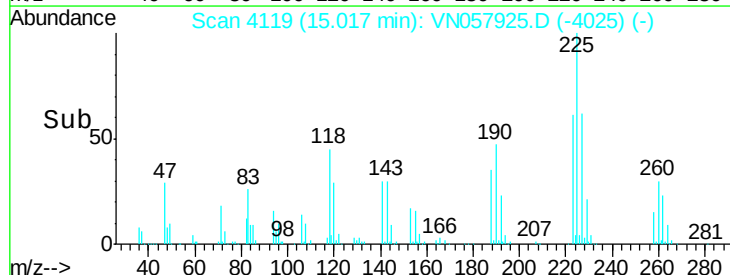
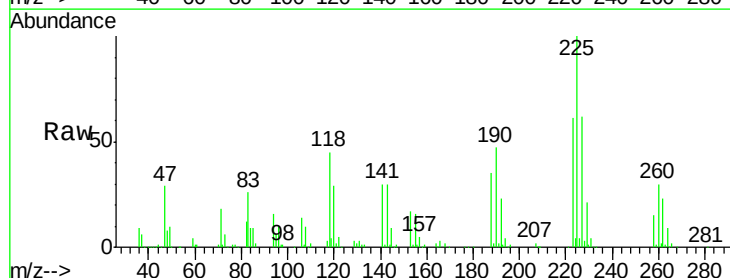
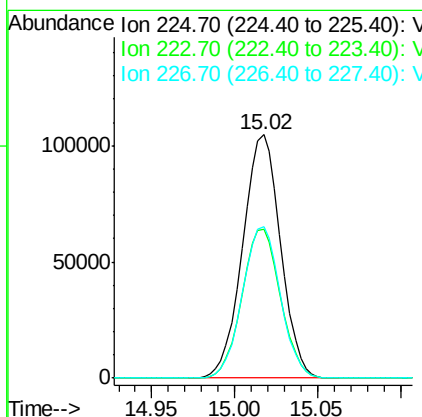
Manual Integrations
 APPROVED

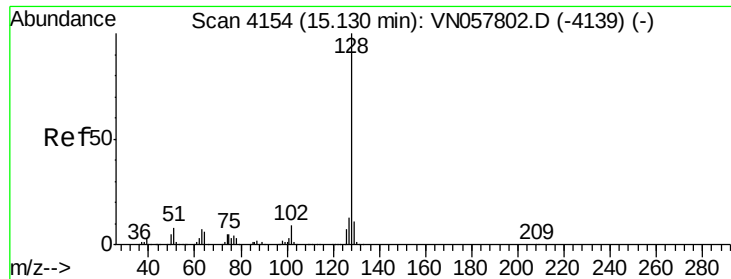
MMDadoda
 9/13/2019 11:07:19 AM



#94
 Hexachlorobutadiene
 Concen: 49.951 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN057925.D
 Acq: 11 Sep 2019 15:59

Tgt Ion:	225	Resp:	166237
Ion Ratio	Lower	Upper	
225	100		
223	62.1	32.4	97.2
227	62.3	31.8	95.4





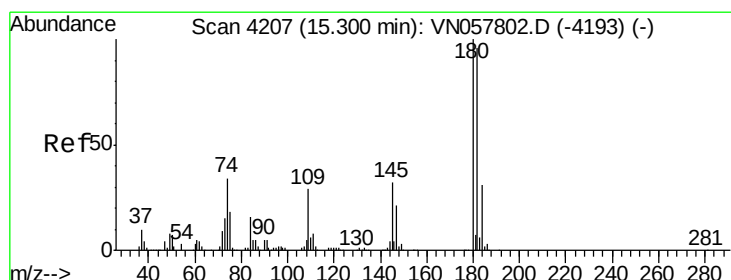
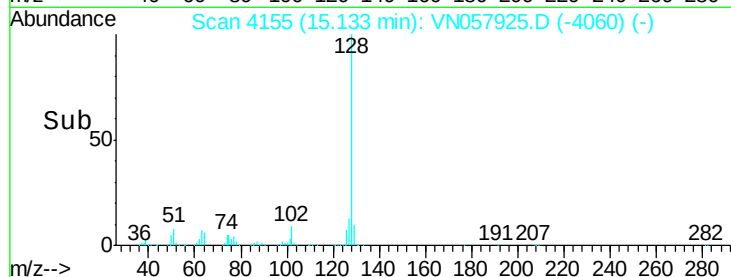
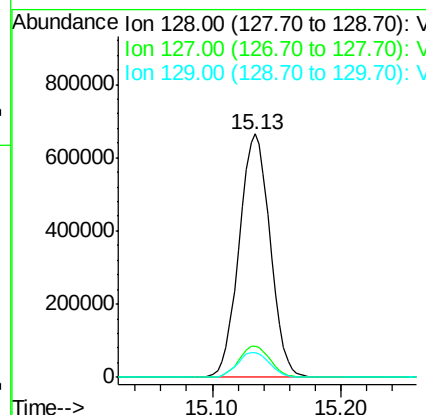
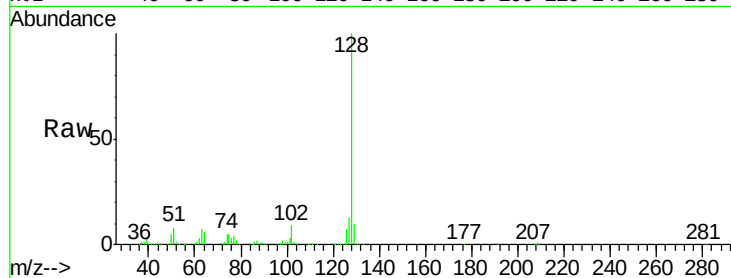
#95
Naphthalene
Concen: 56.177 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:07:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.802 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057925.D
Acq: 11 Sep 2019 15:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	48.3	144.8
145	32.7	16.3	48.8

