

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091519\
 Data File : VN058101.D
 Acq On : 15 Sep 2019 18:41
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/18/2019 1:56:20 PM

Quant Time: Sep 16 05:08:17 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	324068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	527049	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	511828	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	320035	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	358763	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
35) Dibromofluoromethane	7.57	113	260911	53.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.28%	
50) Toluene-d8	10.08	98	1041190	55.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.26%	
62) 4-Bromofluorobenzene	12.40	95	387703	53.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	231477	51.649	ug/l	99
3) Chloromethane	2.04	50	191098	41.836	ug/l	97
4) Vinyl Chloride	2.17	62	199677	41.303	ug/l	99
5) Bromomethane	2.54	94	128504	48.320	ug/l	98
6) Chloroethane	2.68	64	135641	44.031	ug/l	99
7) Trichlorofluoromethane	3.00	101	282195	46.384	ug/l	99
8) Diethyl Ether	3.39	74	130724	51.517	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	206090	53.698	ug/l	98
10) Methyl Iodide	3.93	142	205760	48.178	ug/l	99
11) Tert butyl alcohol	4.76	59	190648	239.983	ug/l	100
12) 1,1-Dichloroethene	3.72	96	167101	48.425	ug/l	95
13) Acrolein	3.58	56	68537	101.689	ug/l	97
14) Allyl chloride	4.30	41	328588	48.657	ug/l	99
15) Acrylonitrile	4.96	53	586150	268.440	ug/l	99
16) Acetone	3.79	43	493568	229.384	ug/l	99
17) Carbon Disulfide	4.03	76	234212	43.629	ug/l	99
18) Methyl Acetate	4.30	43	330502	57.608	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	781801	54.440	ug/l	99
20) Methylene Chloride	4.53	84	229112	56.082	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	184862	49.557	ug/l	98
22) Diisopropyl ether	5.93	45	874549	55.223	ug/l	98
23) Vinyl Acetate	5.87	43	3122177	278.182	ug/l	100
24) 1,1-Dichloroethane	5.83	63	464689	53.689	ug/l	100
25) 2-Butanone	6.81	43	797474	256.069	ug/l	98
26) 2,2-Dichloropropane	6.81	77	293851	42.901	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	260995	52.209	ug/l	99
28) Bromochloromethane	7.18	49	228502	52.845	ug/l	98
29) Tetrahydrofuran	7.19	42	516750	269.276	ug/l	98
30) Chloroform	7.36	83	486977	53.811	ug/l	98
31) Cyclohexane	7.64	56	316371	53.809	ug/l	98
32) 1,1,1-Trichloroethane	7.56	97	387771	54.027	ug/l	99
36) 1,1-Dichloropropene	7.78	75	300891	49.227	ug/l	99
37) Ethyl Acetate	6.91	43	327834	51.912	ug/l	100
38) Carbon Tetrachloride	7.76	117	304637	54.589	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	318307	49.538	ug/l	99
40) Benzene	8.03	78	952504	51.760	ug/l	99
41) Methacrylonitrile	7.16	41	163943m	57.189	ug/l	
42) 1,2-Dichloroethane	8.11	62	400487	54.416	ug/l	99
43) Isopropyl Acetate	8.15	43	612764	57.698	ug/l	98
44) Trichloroethene	8.82	130	236790	52.462	ug/l	97
45) 1,2-Dichloropropane	9.11	63	293003	54.718	ug/l	100
46) Dibromomethane	9.20	93	178643	55.208	ug/l	100
47) Bromodichloromethane	9.40	83	369713	57.217	ug/l	96
48) Methyl methacrylate	9.19	41	289997	53.830	ug/l	99
49) 1,4-Dioxane	9.19	88	86172	945.876	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1813796	288.606	ug/l	100
52) Toluene	10.15	92	623992	53.837	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	379588	55.786	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	407673	54.266	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	274156	55.841	ug/l	99
56) Ethyl methacrylate	10.43	69	405249	54.813	ug/l	99
57) 1,3-Dichloropropane	10.71	76	469657	55.508	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	866813	248.928	ug/l	100
59) 2-Hexanone	10.75	43	1279554	271.632	ug/l	99
60) Dibromochloromethane	10.90	129	269957	59.214	ug/l	100
61) 1,2-Dibromoethane	11.00	107	256919	55.352	ug/l	99
64) Tetrachloroethene	10.63	164	197141	52.166	ug/l	99
65) Chlorobenzene	11.43	112	703612	52.528	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	261769	56.319	ug/l	99
67) Ethyl Benzene	11.51	91	1273165	54.235	ug/l	100
68) m/p-Xylenes	11.62	106	930409	108.201	ug/l	99
69) o-Xylene	11.95	106	464425	54.328	ug/l	97
70) Styrene	11.97	104	828461	56.312	ug/l	99
71) Bromoform	12.13	173	170052	58.683	ug/l #	98
73) Isopropylbenzene	12.25	105	1307094	52.634	ug/l	100
74) N-amyl acetate	12.07	43	555532	51.402	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	426165	50.968	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	382015m	52.766	ug/l	
77) Bromobenzene	12.53	156	305991	49.421	ug/l	98
78) n-propylbenzene	12.60	91	1548801	54.312	ug/l	100
79) 2-Chlorotoluene	12.68	91	914649	50.748	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1130870	53.895	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	97707	47.492	ug/l	96
82) 4-Chlorotoluene	12.78	91	972403	52.537	ug/l	100
83) tert-Butylbenzene	13.00	119	968996	51.952	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	1140438	53.476	ug/l	100
85) sec-Butylbenzene	13.18	105	1345587	54.429	ug/l	100
86) p-Isopropyltoluene	13.29	119	1204556	55.299	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	592614	52.145	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	592689	51.378	ug/l	99
89) n-Butylbenzene	13.62	91	1128850	54.877	ug/l	100
90) Hexachloroethane	13.88	117	177671	54.845	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	591960	52.138	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	77177	55.891	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	387472	52.213	ug/l	100
94) Hexachlorobutadiene	15.01	225	185100	58.840	ug/l	98
95) Naphthalene	15.13	128	1035836	55.461	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	365631	56.308	ug/l	98

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

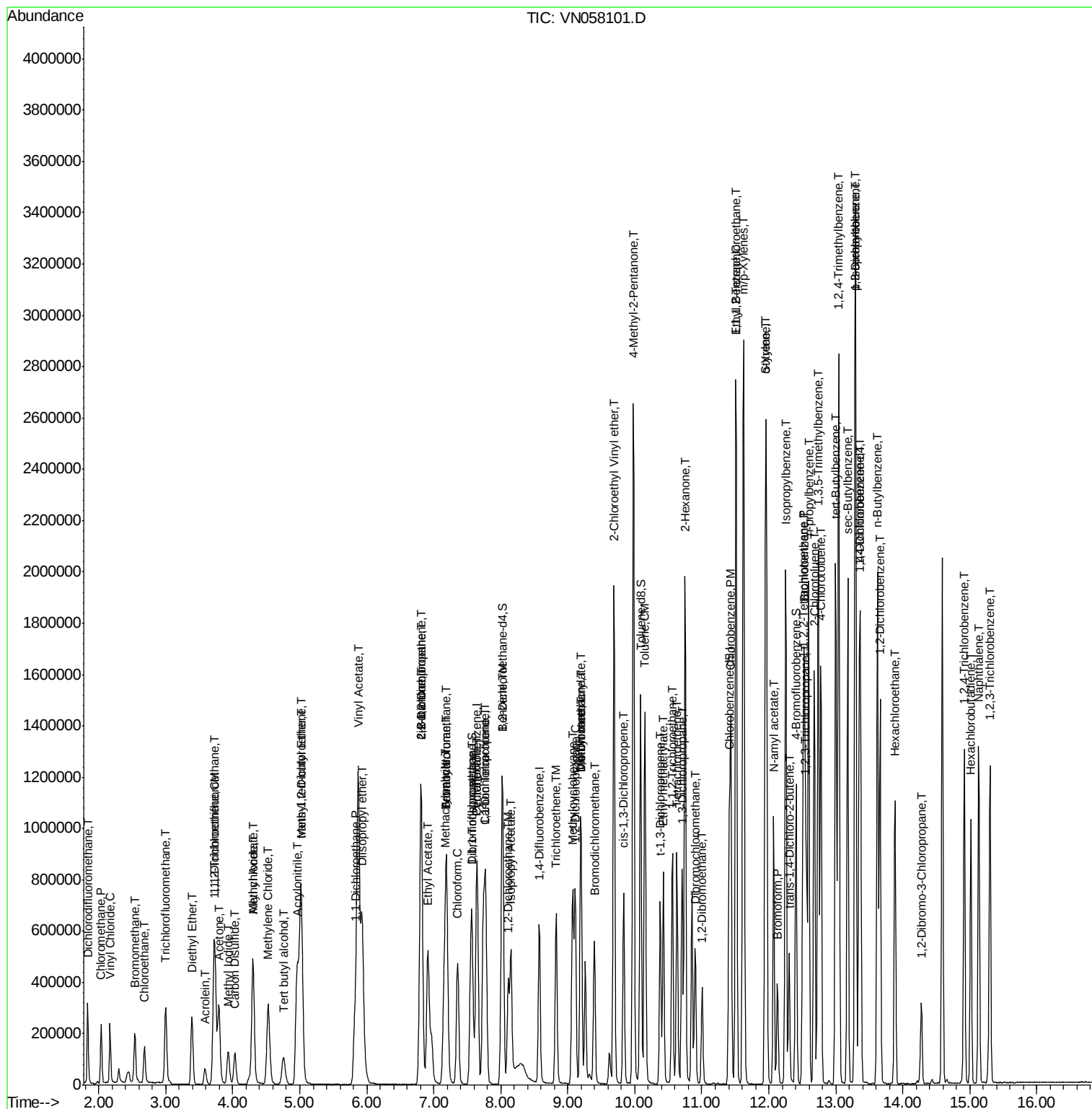
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091519\
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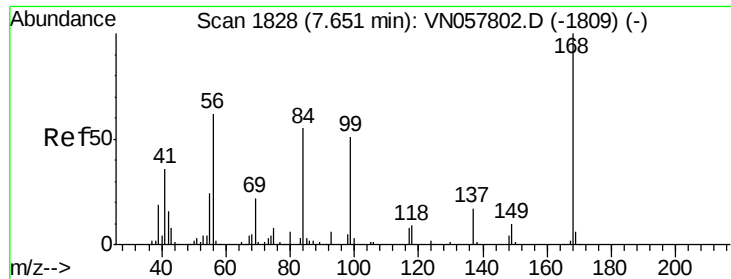
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 324068

Ion Ratio Lower Upper

168 100

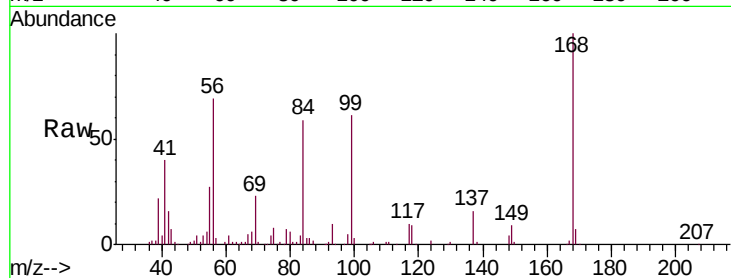
99 60.8 48.0 72.0

Manual Integrations

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9/18/2019 1:56:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

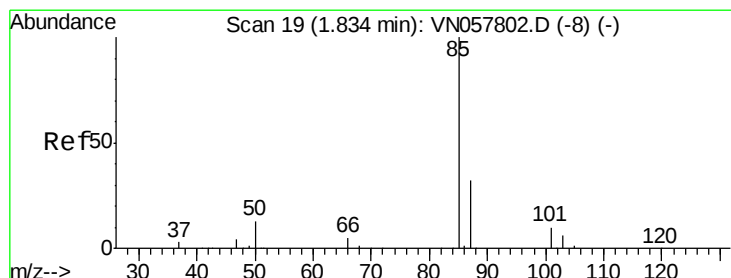
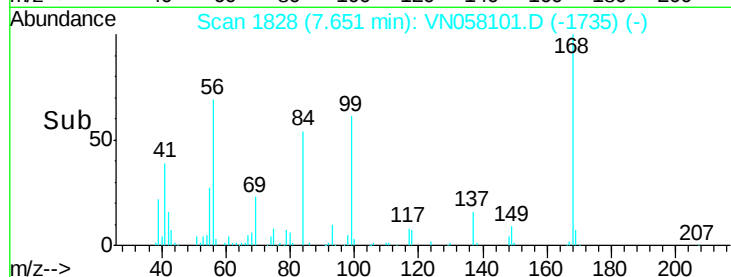
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 51.649 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058101.D

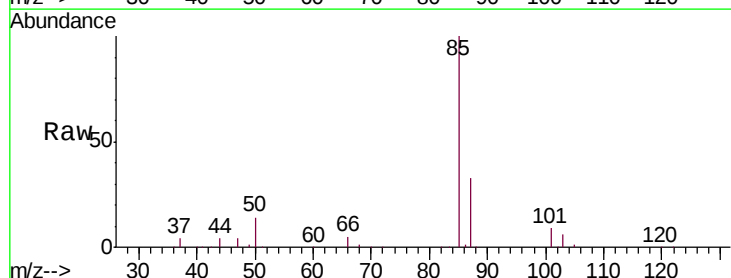
Acq: 15 Sep 2019 18:41

Tgt Ion: 85 Resp: 231477

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

1.83

200000

150000

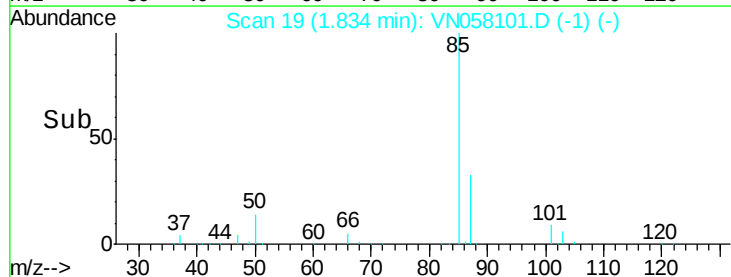
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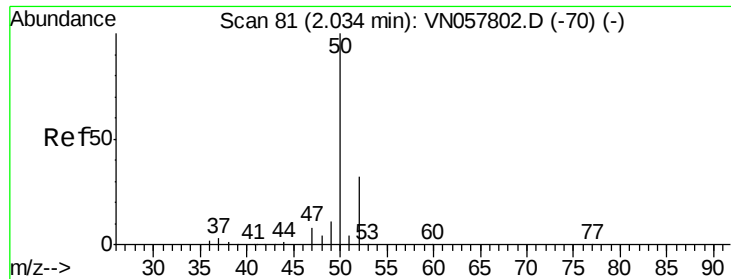
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 41.836 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 191098

Ion Ratio Lower Upper

50 100

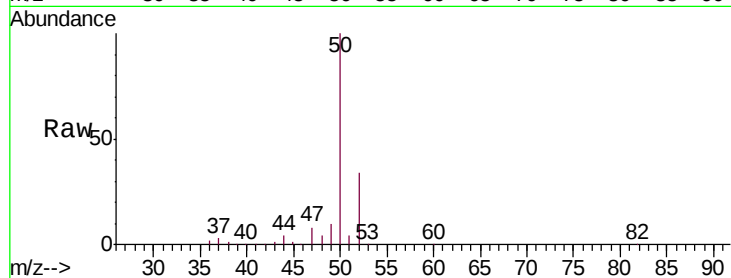
52 33.6 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

150000

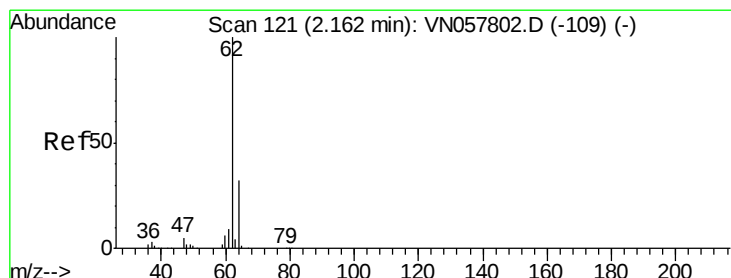
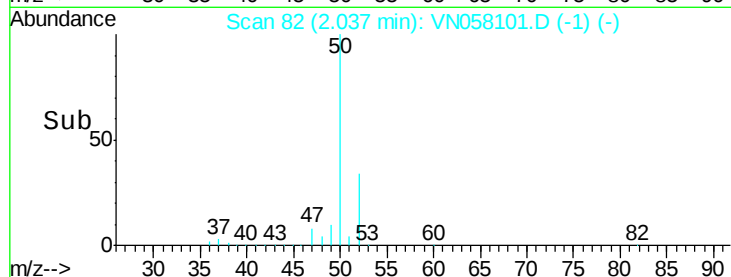
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50000

0

2.00 2.05 2.10

Time-->



#4

Vinyl Chloride

Concen: 41.303 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.01 min

Lab File: VN058101.D

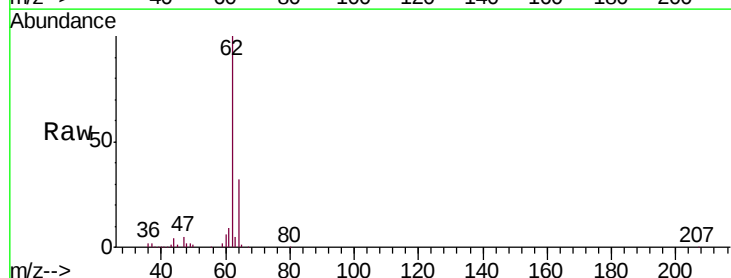
Acq: 15 Sep 2019 18:41

Tgt Ion: 62 Resp: 199677

Ion Ratio Lower Upper

62 100

64 32.5 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

150000

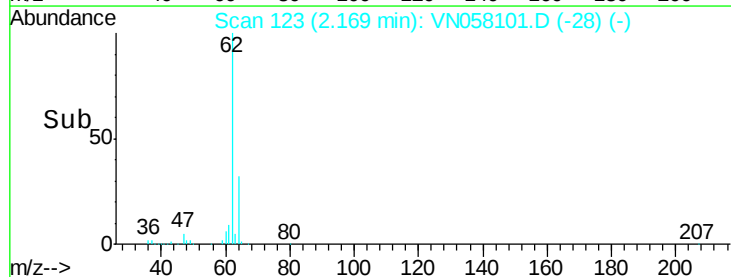
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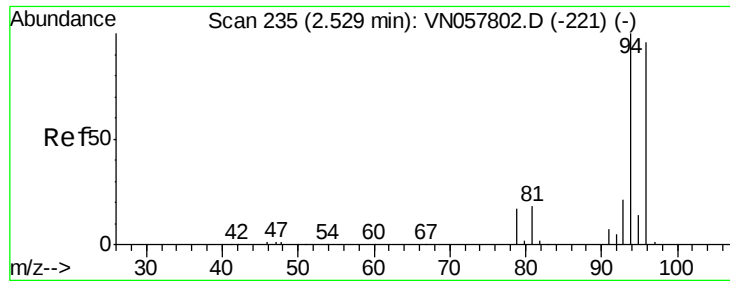
50000

0

2.10 2.15 2.20 2.25

Time-->





#5

Bromomethane

Concen: 48.320 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 128504

Ion Ratio Lower Upper

94 100

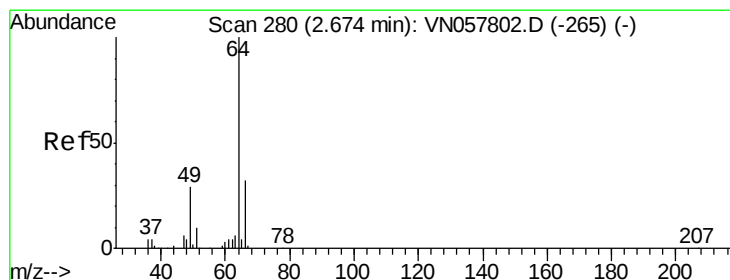
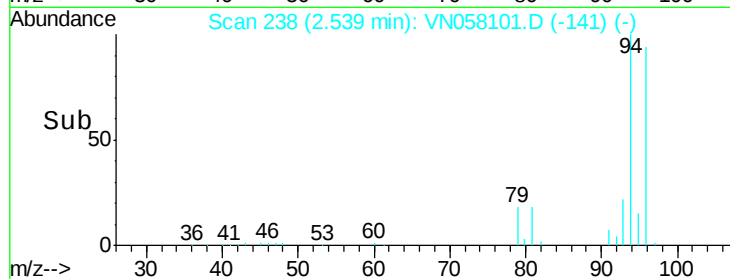
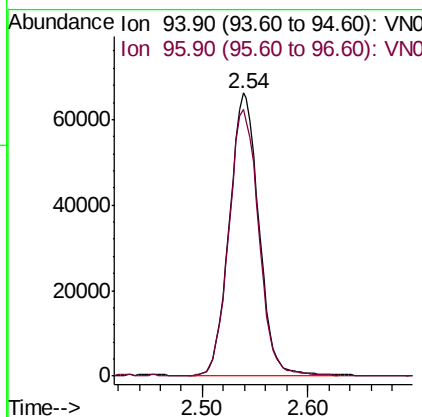
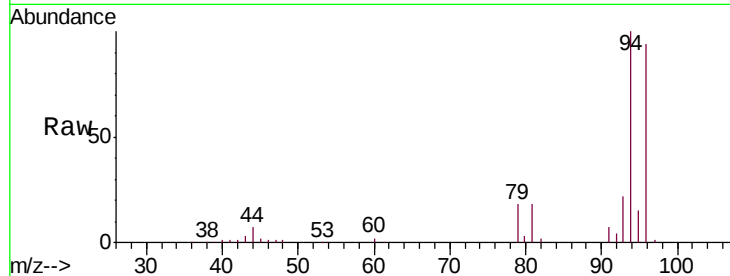
96 93.8 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 44.031 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

Lab File: VN058101.D

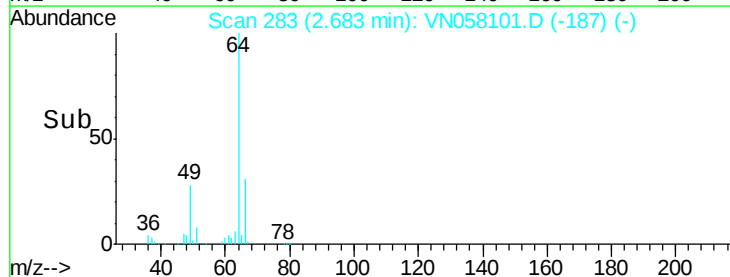
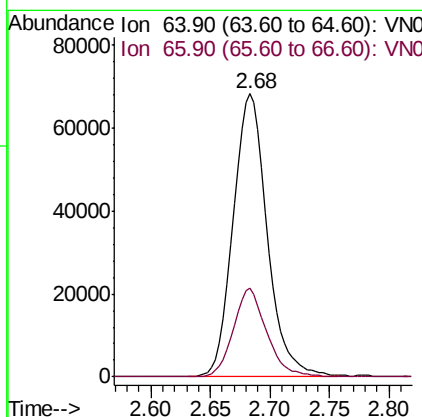
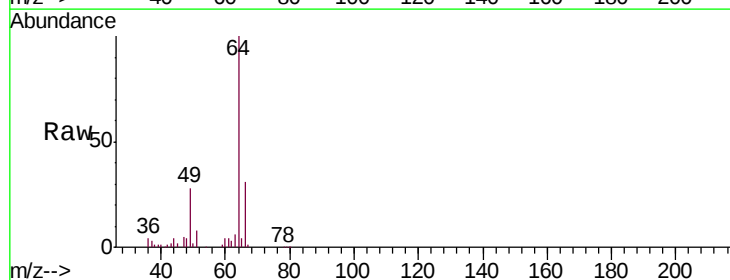
Acq: 15 Sep 2019 18:41

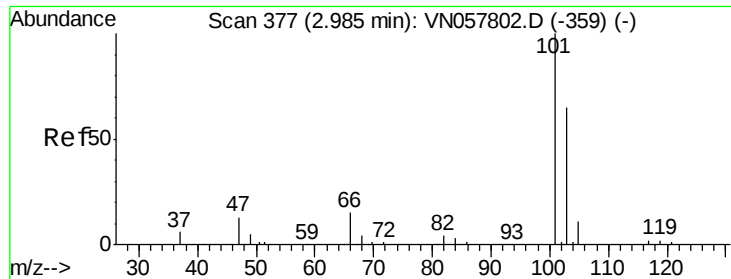
Tgt Ion: 64 Resp: 135641

Ion Ratio Lower Upper

64 100

66 31.3 25.5 38.3





#7

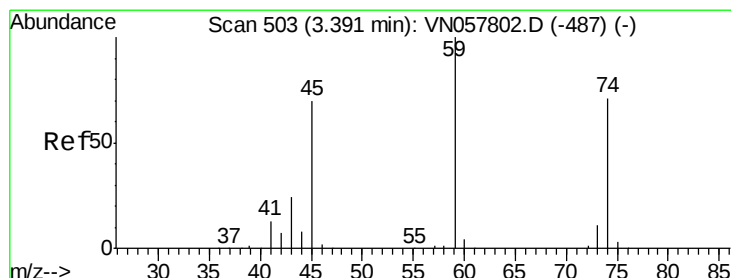
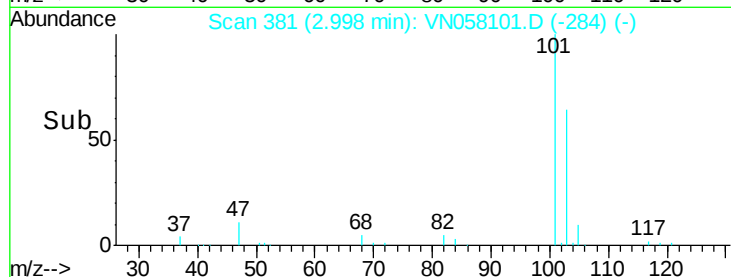
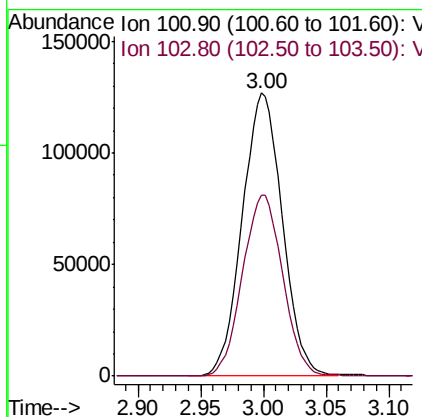
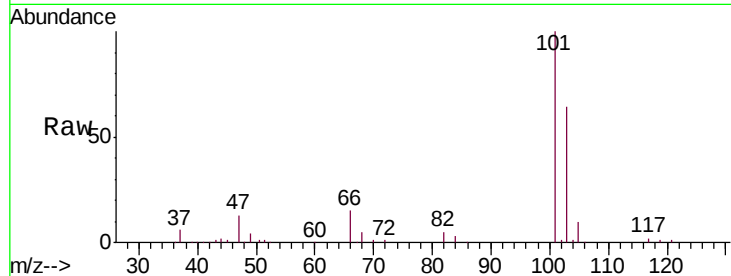
Trichlorofluoromethane
Concen: 46.384 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	282195		
103	63.9	51.9	77.9	

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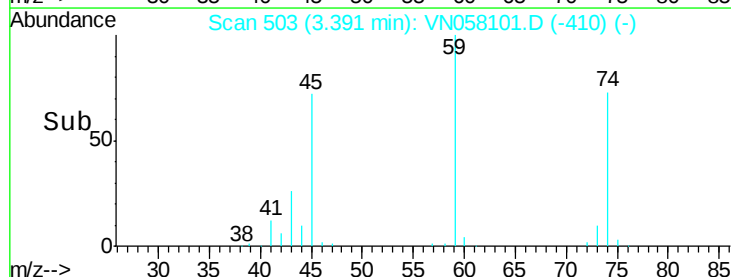
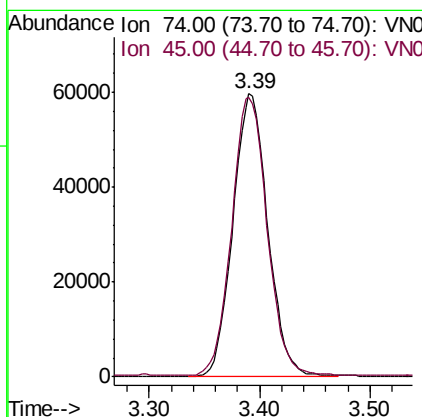
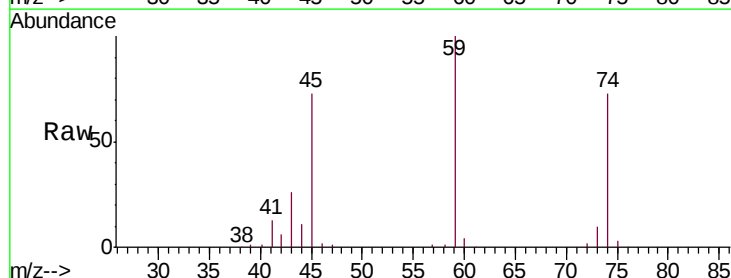
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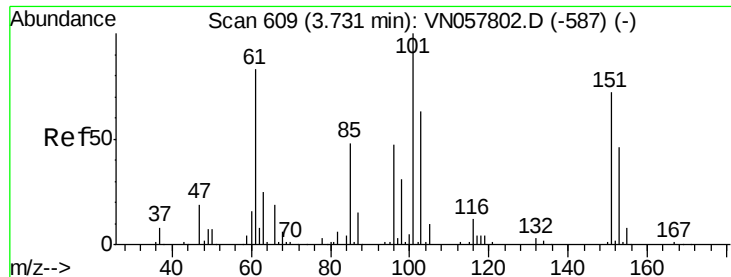


#8

Diethyl Ether
Concen: 51.517 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	130724		
45	99.4	50.3	151.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.698 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058101.D

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Instrument :

MSVOA_N

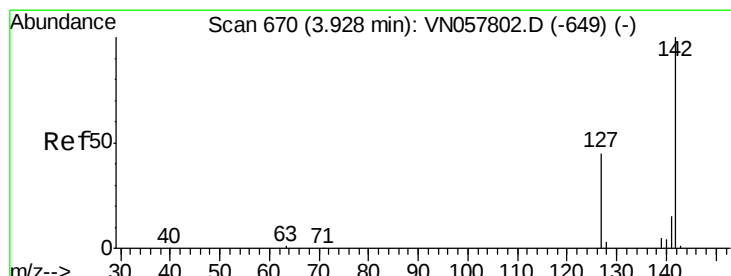
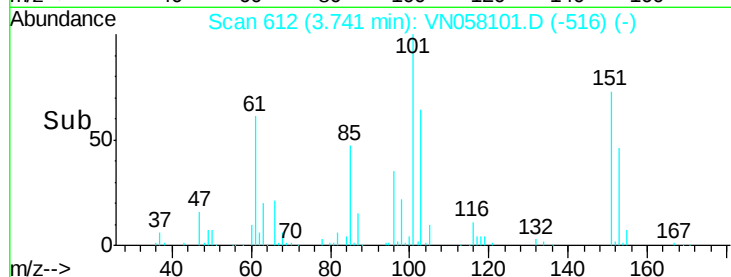
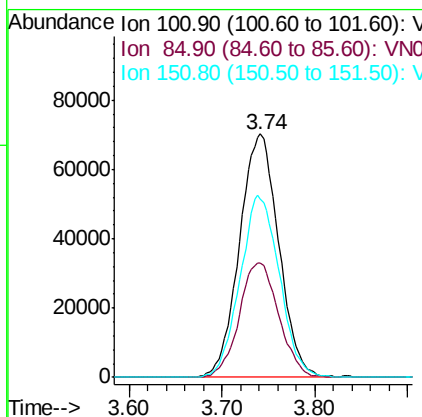
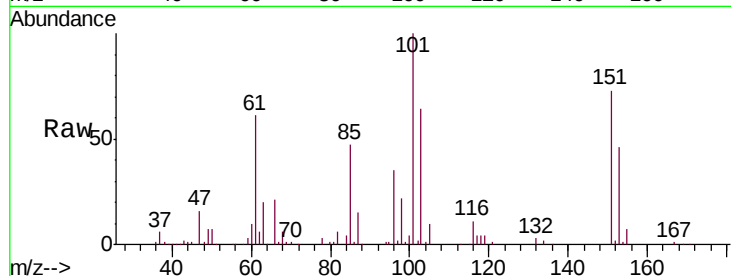
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	206090
Ion Ratio	Lower	Upper	
101	100		
85	47.3	38.1	57.1
151	74.9	58.4	87.6

Manual Integrations
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#10

Methyl Iodide

Concen: 48.178 ug/l

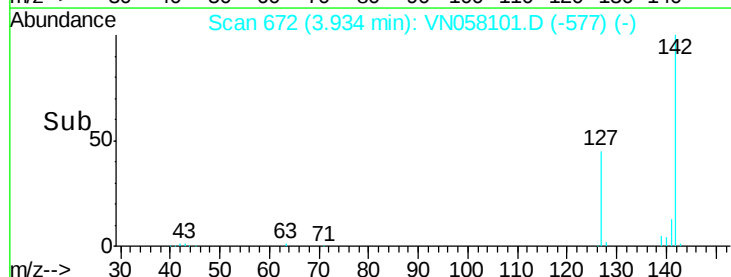
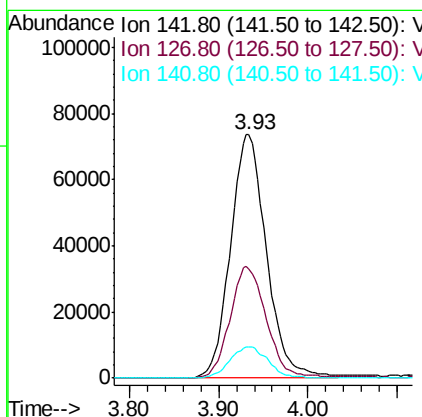
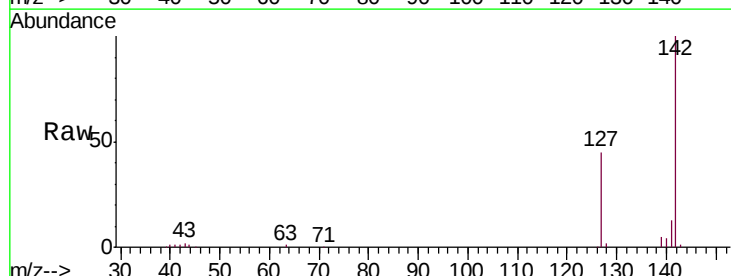
RT: 3.93 min Scan# 672

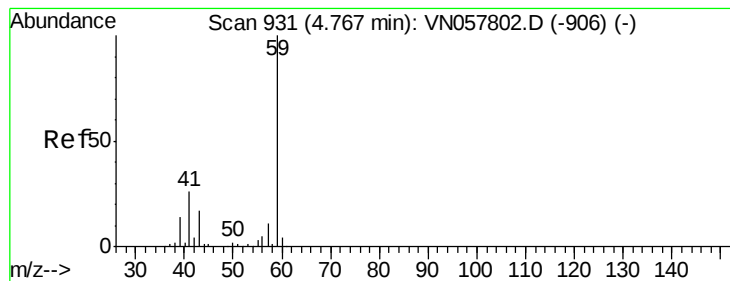
Delta R.T. 0.01 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion:	142	Resp:	205760
Ion Ratio	Lower	Upper	
142	100		
127	46.3	36.7	55.1
141	13.5	11.4	17.0





#11

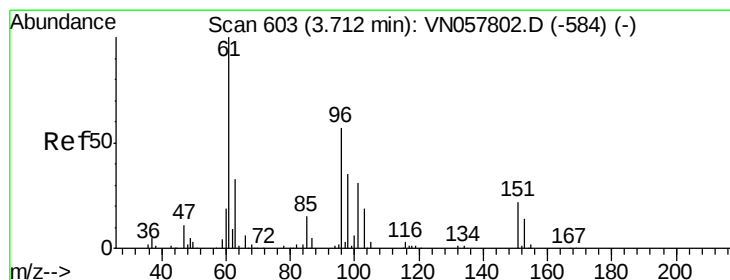
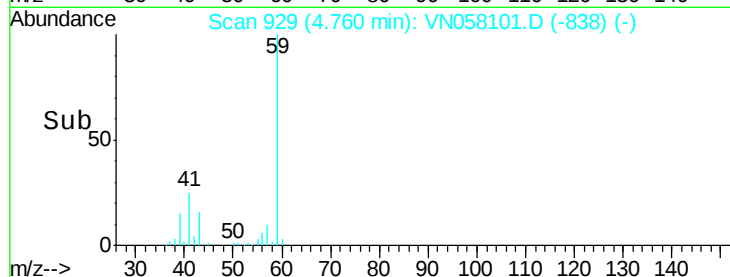
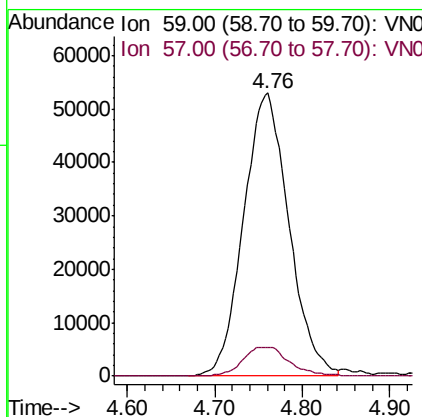
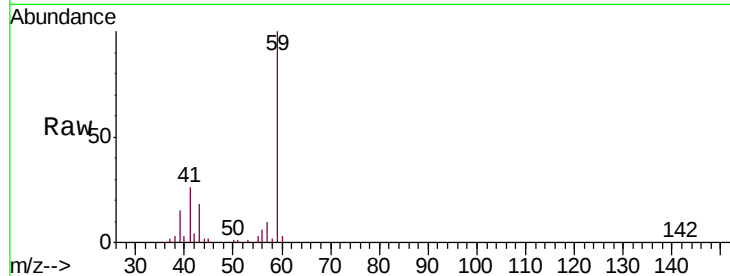
Tert butyl alcohol
Concen: 239.983 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.01 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

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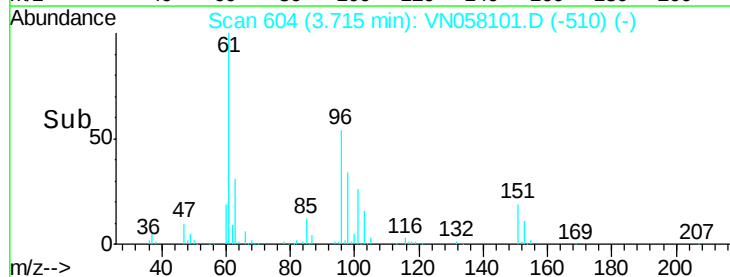
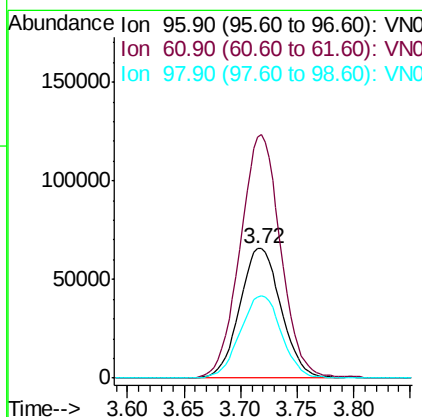
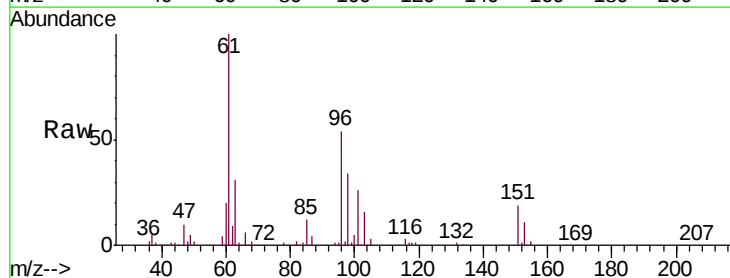
MMDadoda
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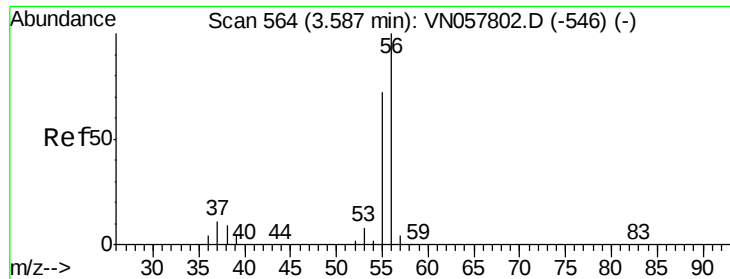


#12

1,1-Dichloroethene
Concen: 48.425 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.3	141.2	211.8
98	63.0	49.9	74.9





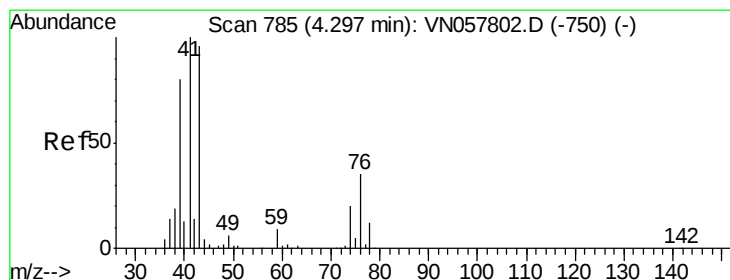
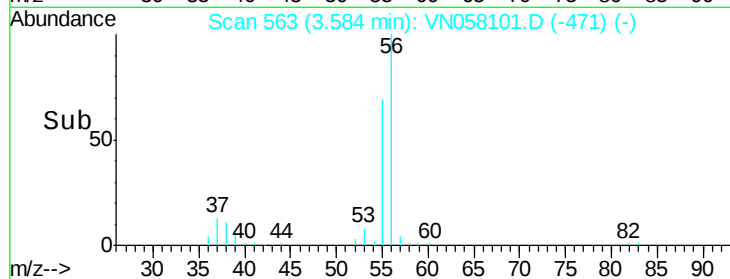
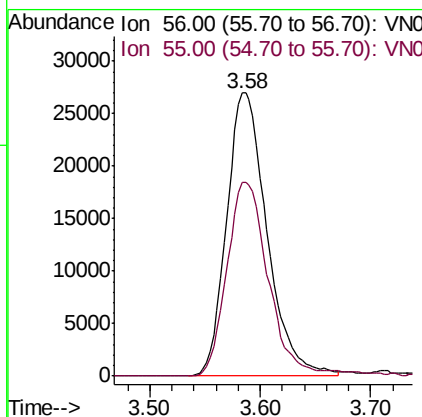
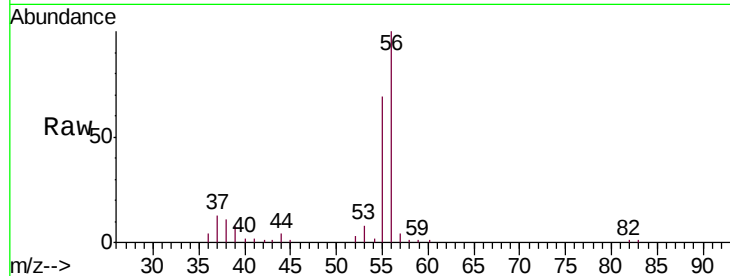
#13
Acrolein
Concen: 101.689 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 68537
Ion Ratio Lower Upper
56 100
55 69.5 57.3 85.9

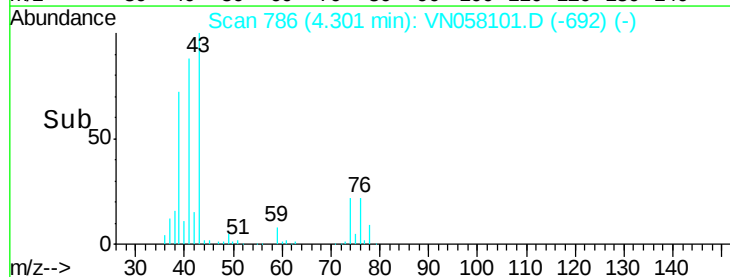
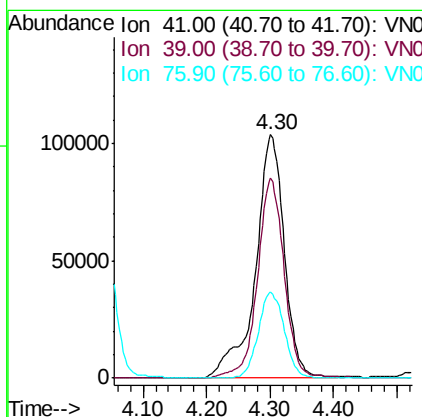
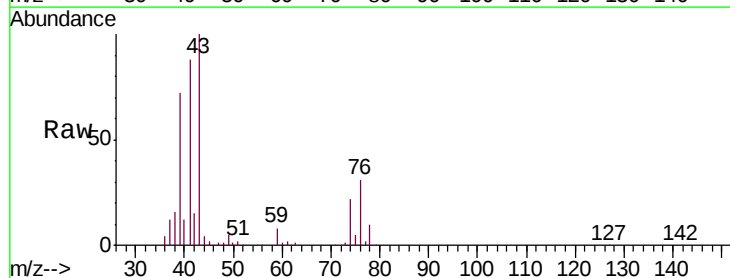
Manual Integrations
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#14
Allyl chloride
Concen: 48.657 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 41 Resp: 328588
Ion Ratio Lower Upper
41 100
39 75.5 59.4 89.2
76 31.7 26.0 39.0





#15

Acrylonitrile

Concen: 268.440 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

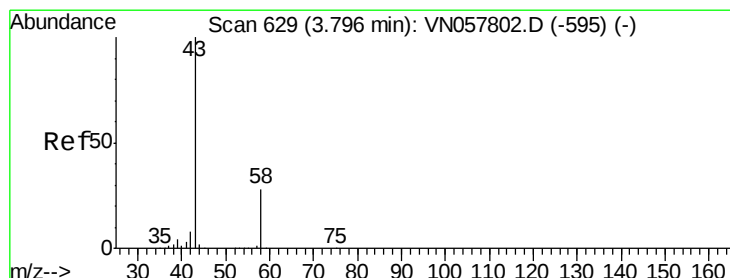
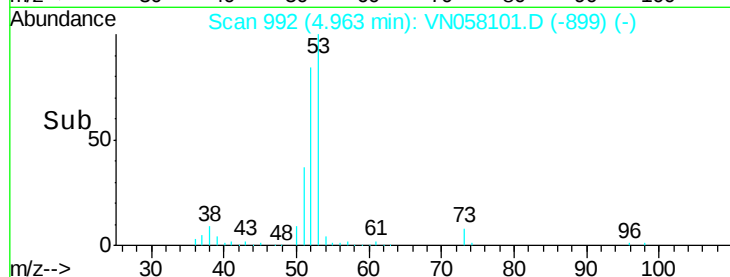
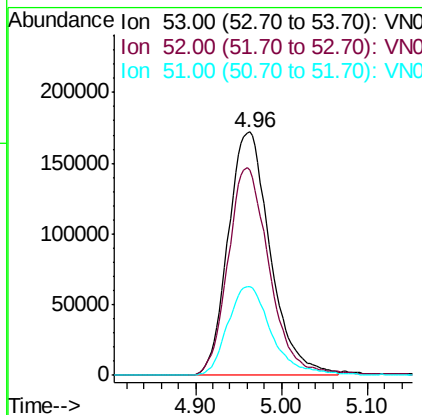
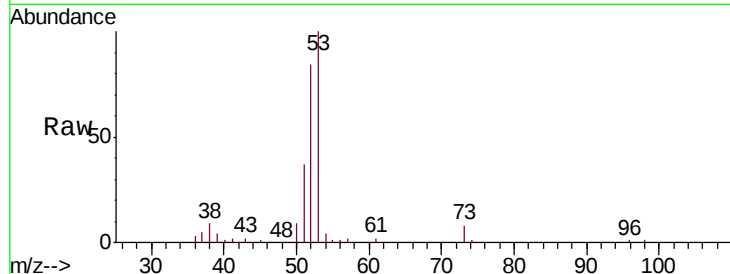
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	586150
Ion	Ratio	Lower	Upper
53	100		
52	83.8	66.6	100.0
51	37.9	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 229.384 ug/l

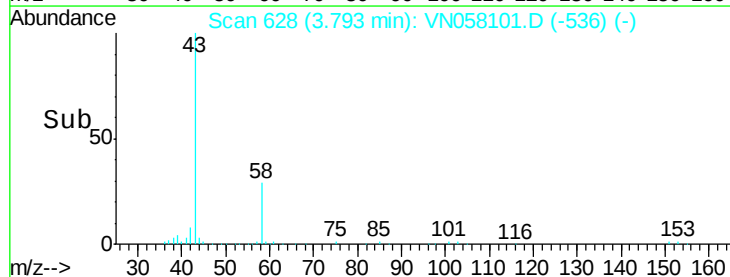
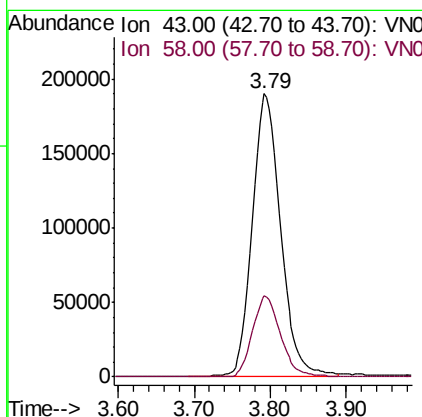
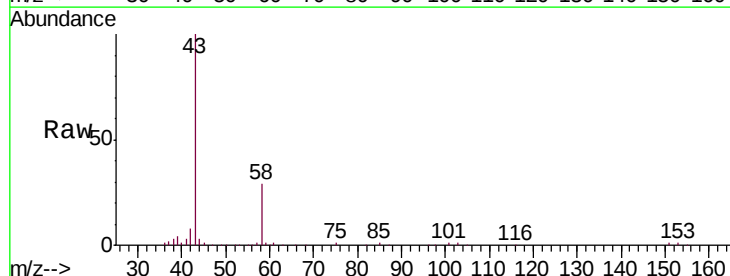
RT: 3.79 min Scan# 628

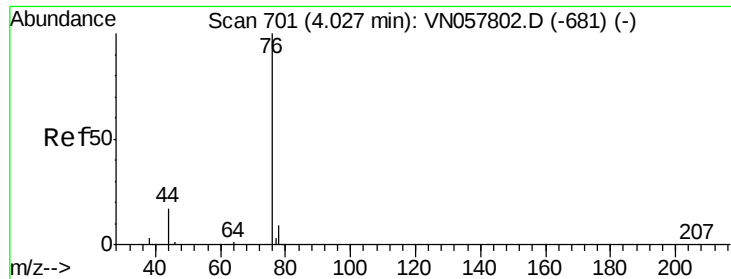
Delta R.T. -0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion:	43	Resp:	493568
Ion	Ratio	Lower	Upper
43	100		
58	28.4	22.2	33.2





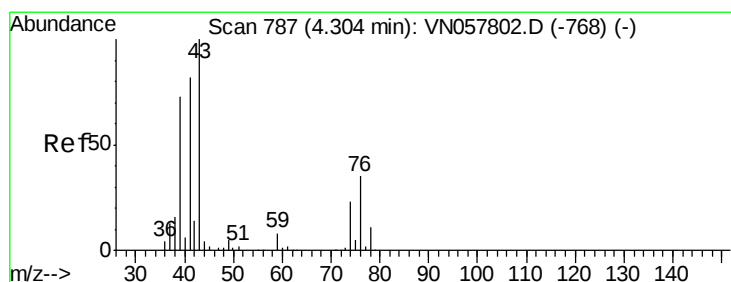
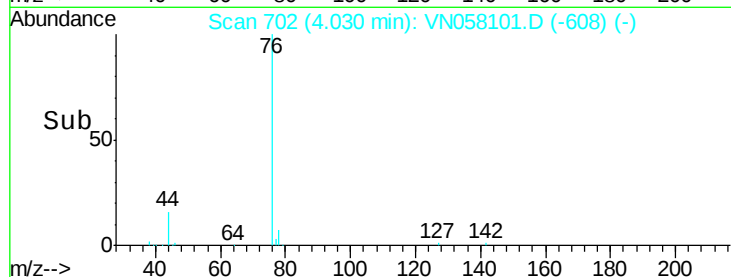
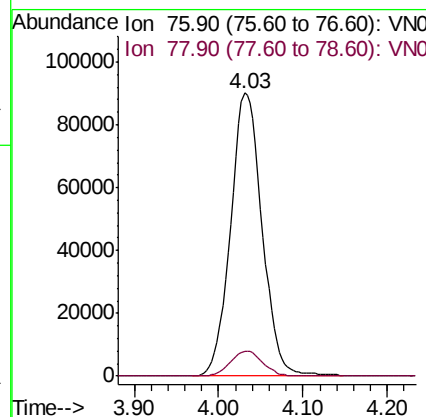
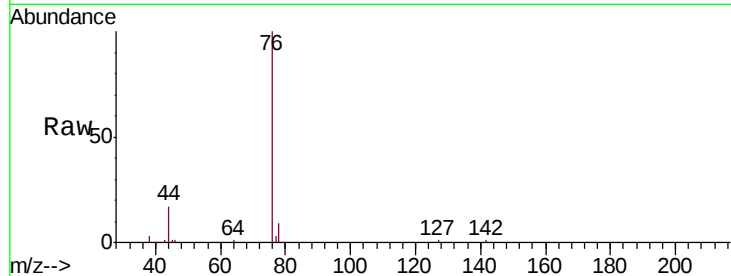
#17
Carbon Disulfide
Concen: 43.629 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 234212
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7

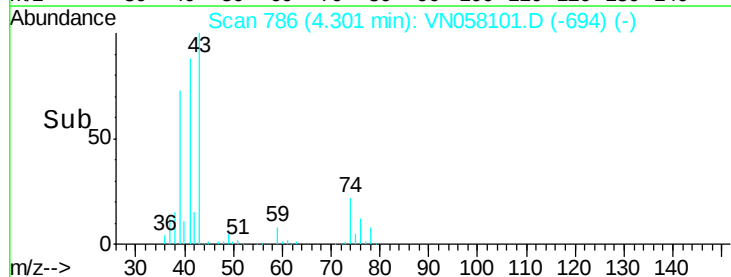
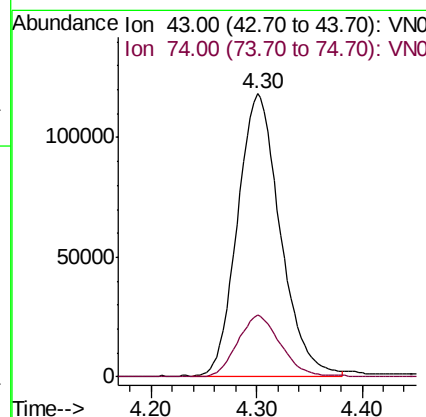
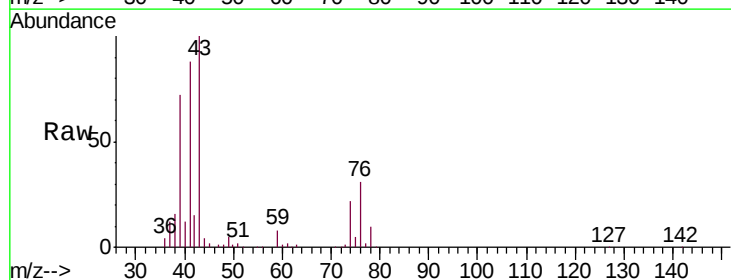
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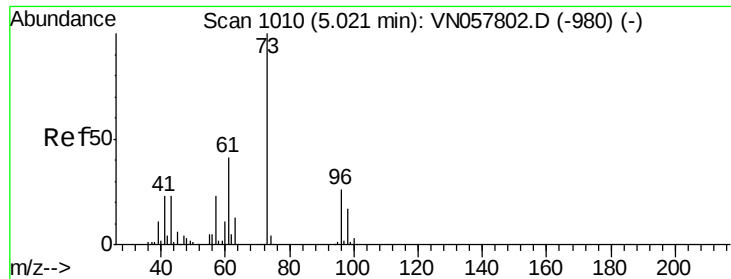
MMDadoda
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#18
Methyl Acetate
Concen: 57.608 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 43 Resp: 330502
Ion Ratio Lower Upper
43 100
74 22.3 17.9 26.9





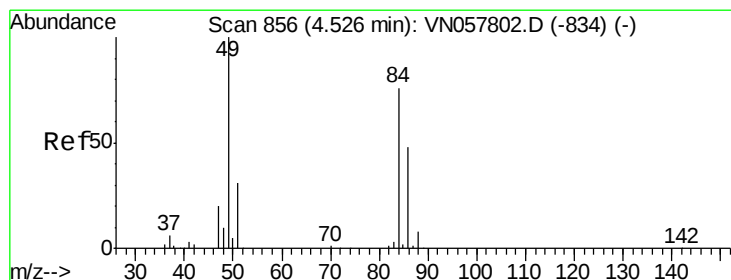
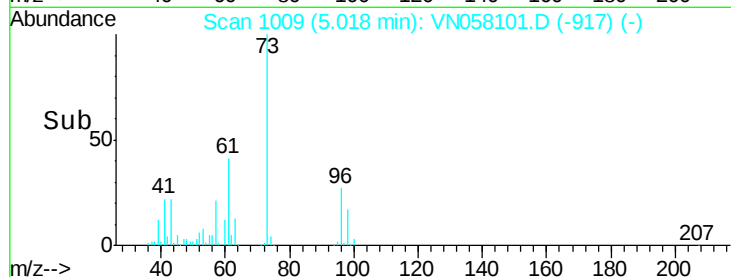
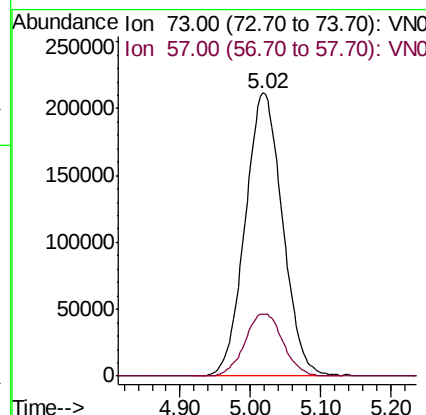
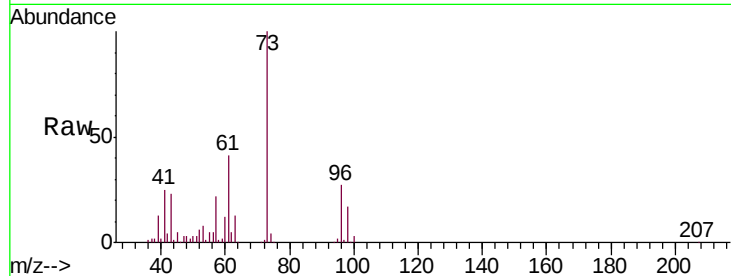
#19
Methyl tert-butyl Ether
Concen: 54.440 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 781801
Ion Ratio Lower Upper
73 100
57 22.1 18.2 27.2

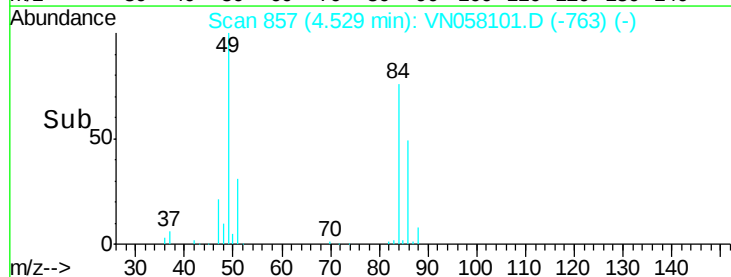
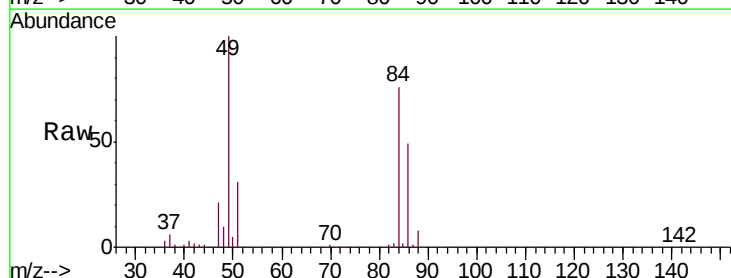
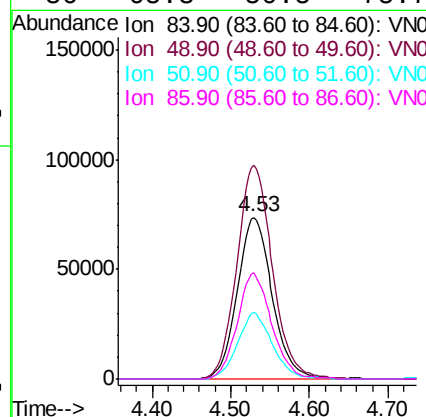
Manual Integrations
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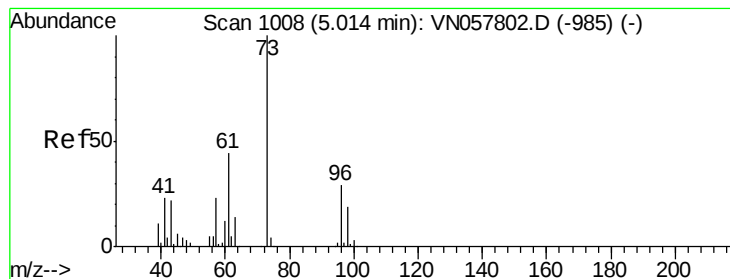
MMDadoda
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#20
Methylene Chloride
Concen: 56.082 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 84 Resp: 229112
Ion Ratio Lower Upper
84 100
49 131.9 104.8 157.2
51 41.5 33.0 49.4
86 65.3 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 49.557 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

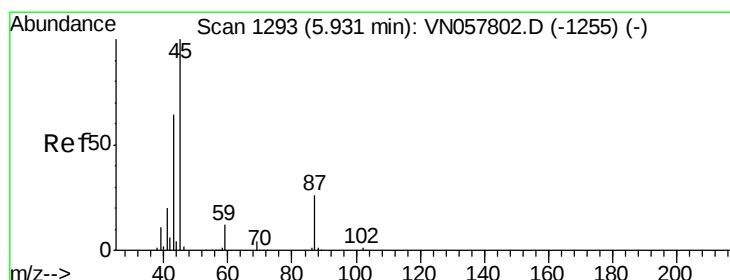
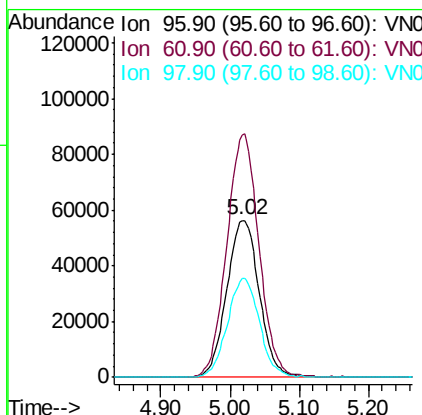
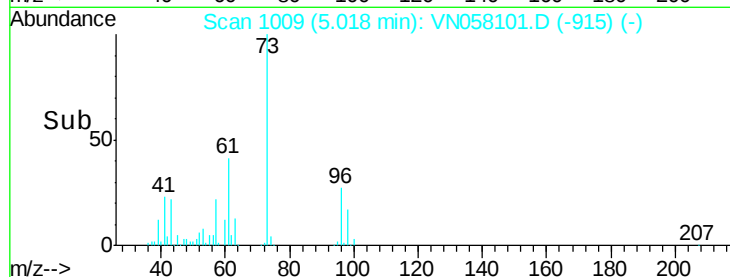
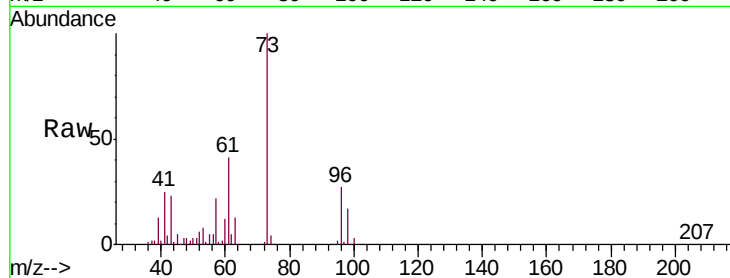
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	184862
Ion	Ratio	Lower	Upper
96	100		
61	154.4	121.9	182.9
98	62.9	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.223 ug/l

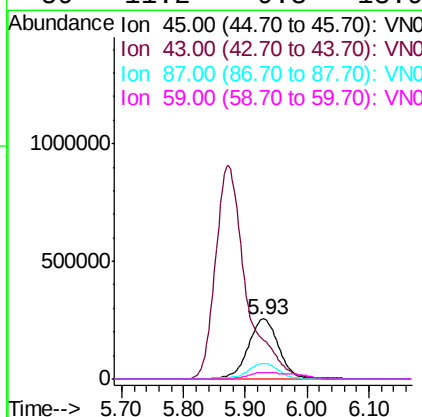
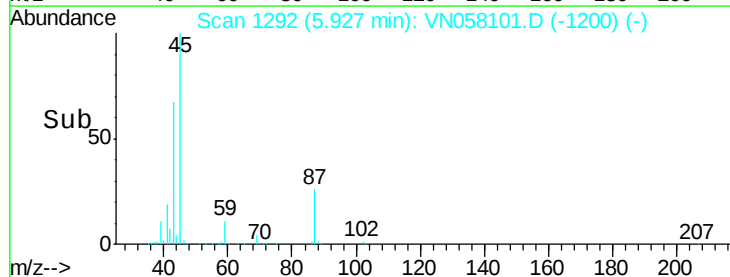
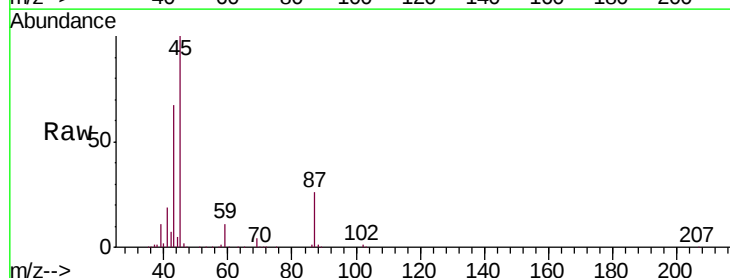
RT: 5.93 min Scan# 1292

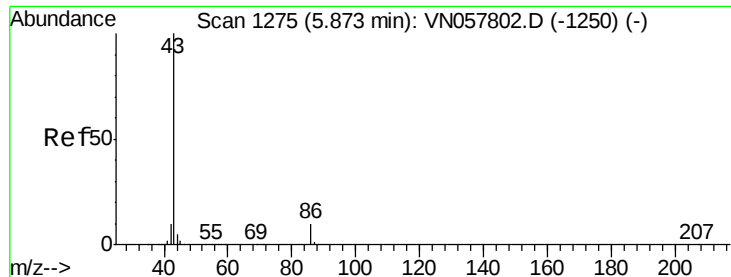
Delta R.T. -0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion:	45	Resp:	874549
Ion	Ratio	Lower	Upper
45	100		
43	66.6	51.4	77.2
87	26.0	21.3	31.9
59	11.2	9.3	13.9





#23

Vinyl Acetate

Concen: 278.182 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 3122177

Ion Ratio Lower Upper

43 100

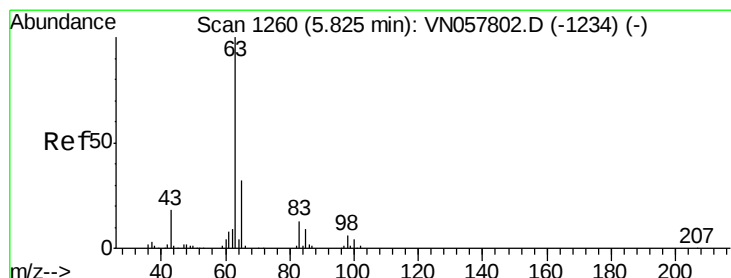
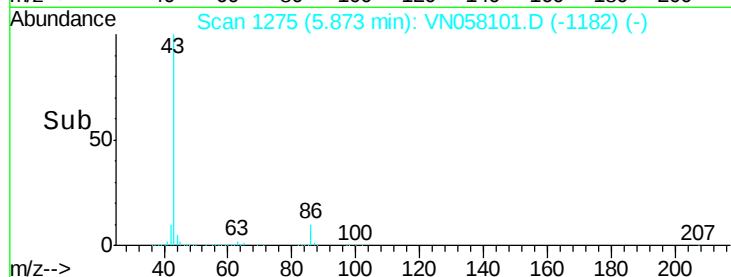
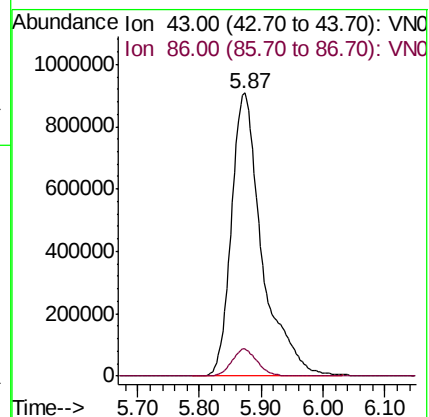
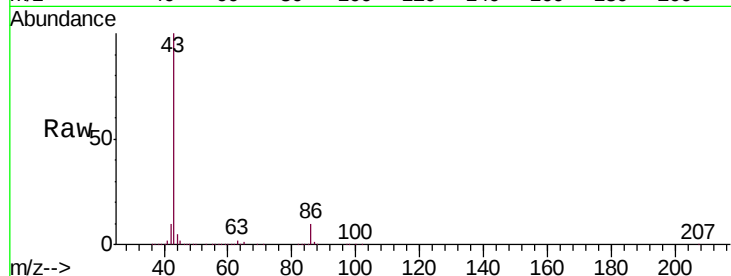
86 9.6 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 53.689 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

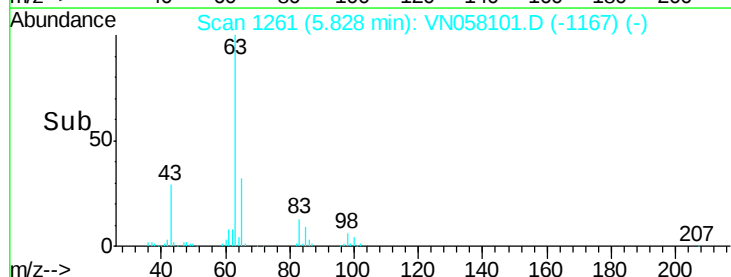
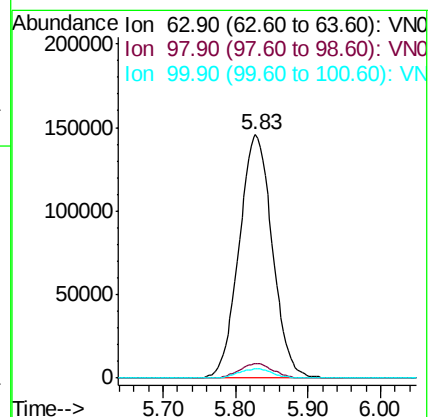
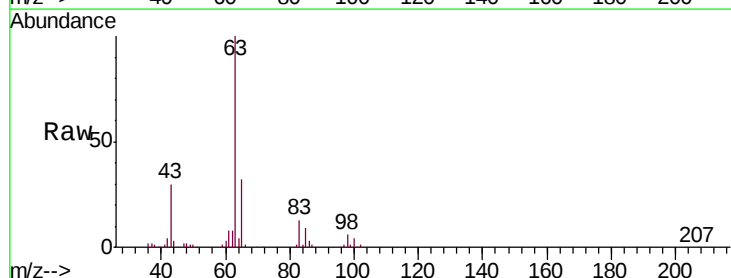
Tgt Ion: 63 Resp: 464689

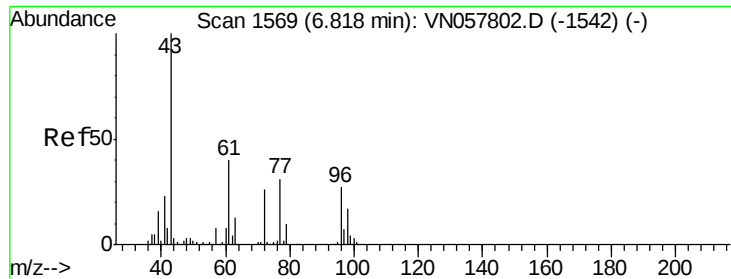
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.7 2.0 5.8





#25

2-Butanone

Concen: 256.069 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 797474

Ion Ratio Lower Upper

43 100

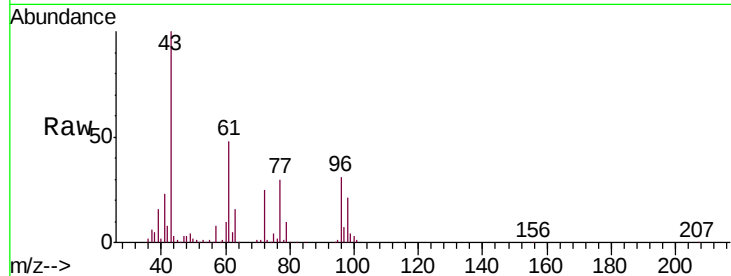
72 24.6 20.6 30.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.81

250000

200000

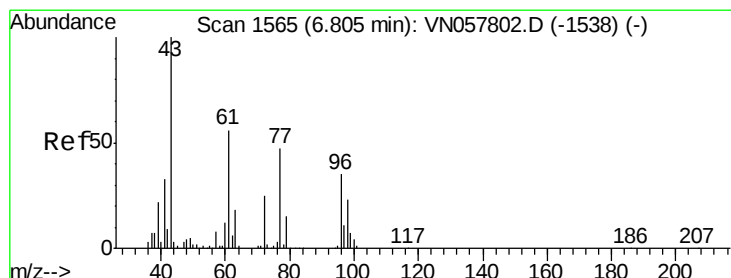
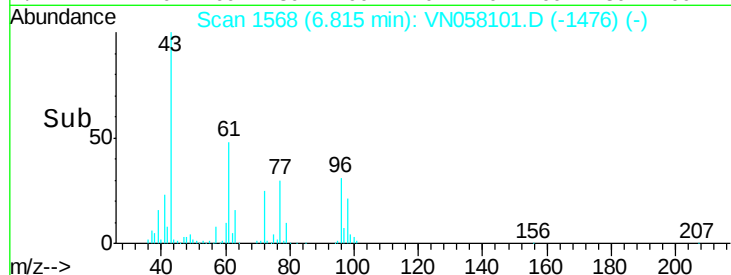
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 42.901 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058101.D

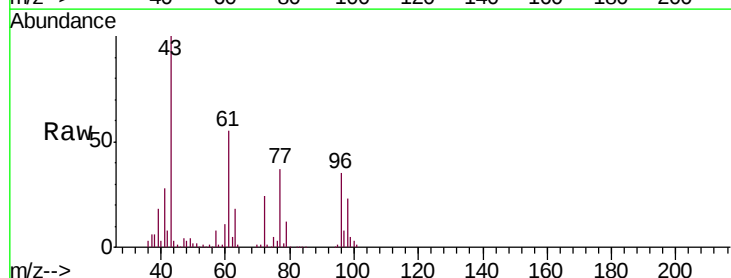
Acq: 15 Sep 2019 18:41

Tgt Ion: 77 Resp: 293851

Ion Ratio Lower Upper

77 100

97 21.5 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.81

100000

80000

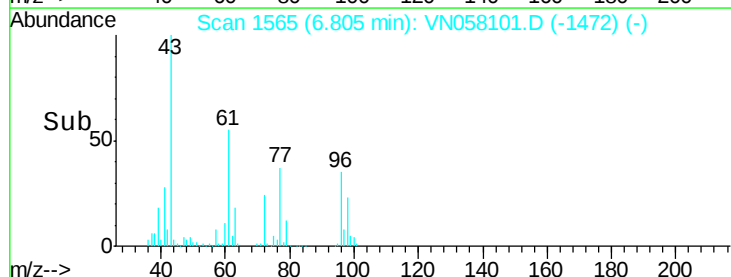
60000

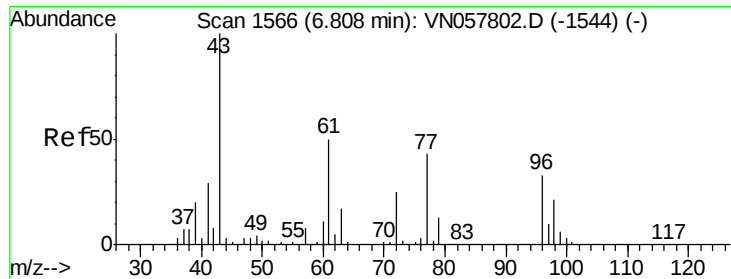
40000

20000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.209 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

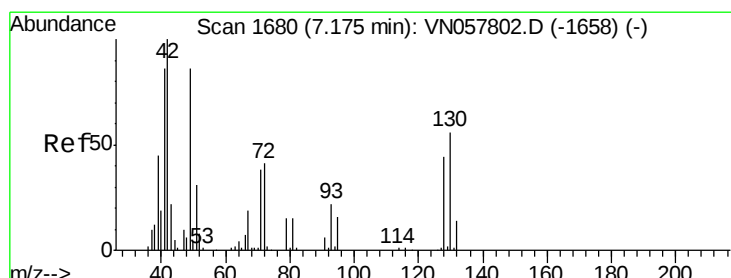
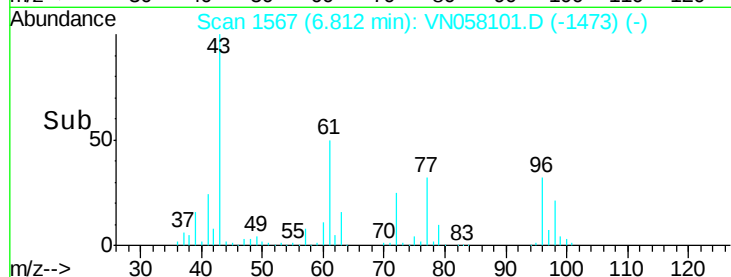
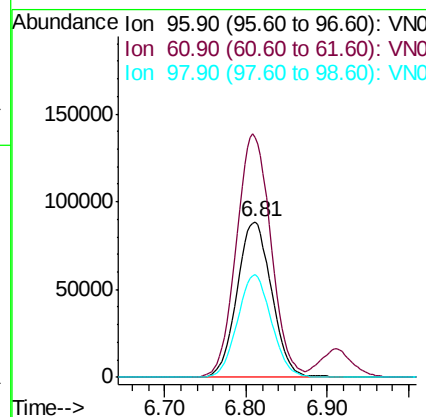
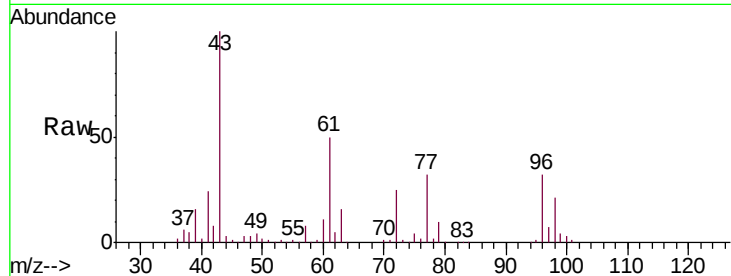
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	260995
Ion Ratio	Lower	Upper	
96	100		
61	156.2	0.0	314.0
98	64.8	0.0	128.6

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#28

Bromochloromethane

Concen: 52.845 ug/l

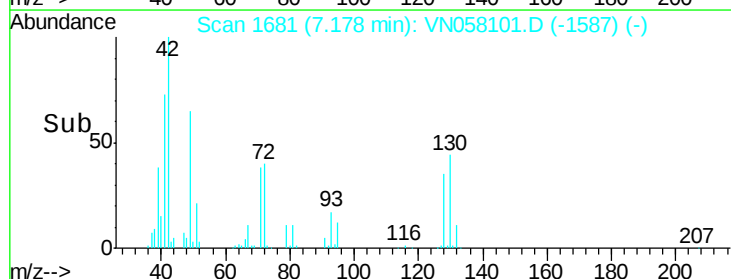
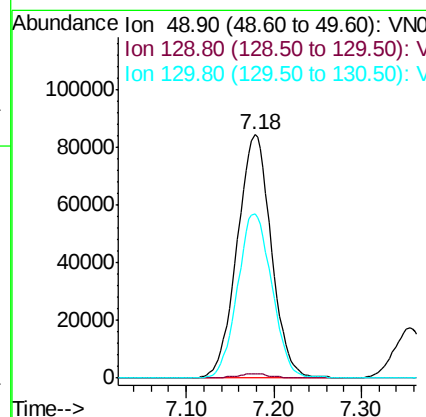
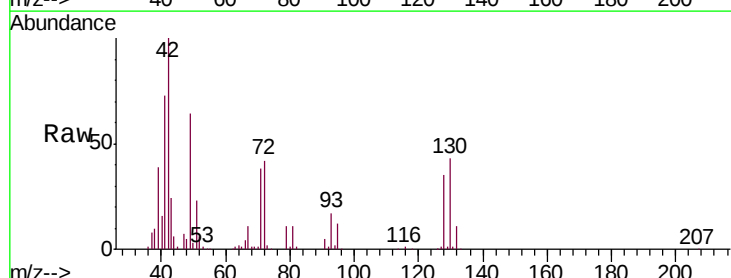
RT: 7.18 min Scan# 1681

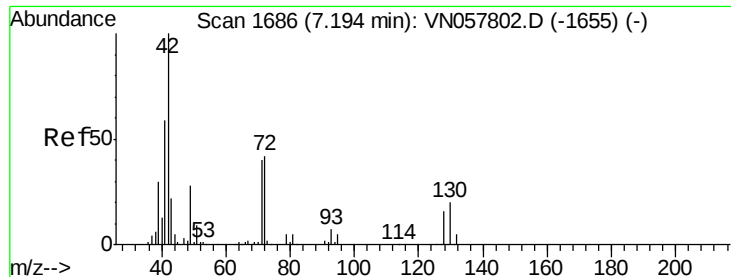
Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion:	49	Resp:	228502
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.8
130	68.3	53.0	79.6





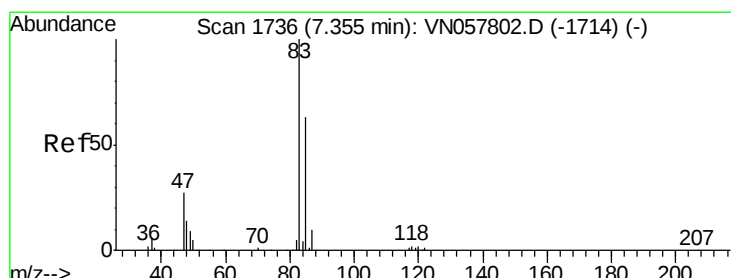
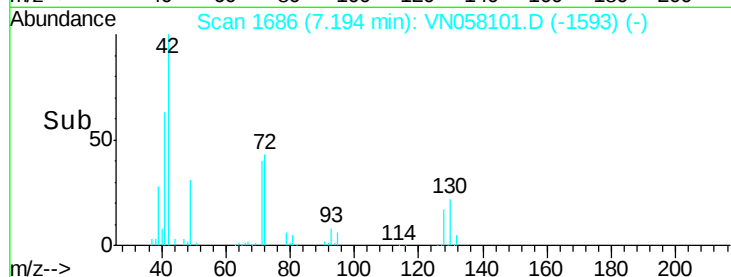
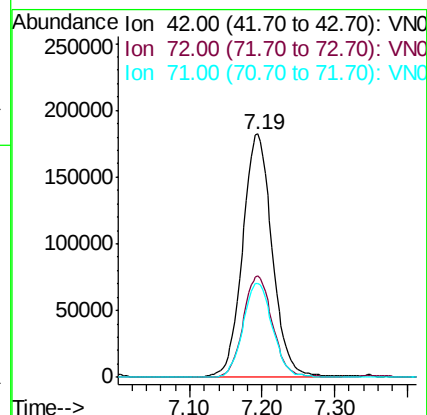
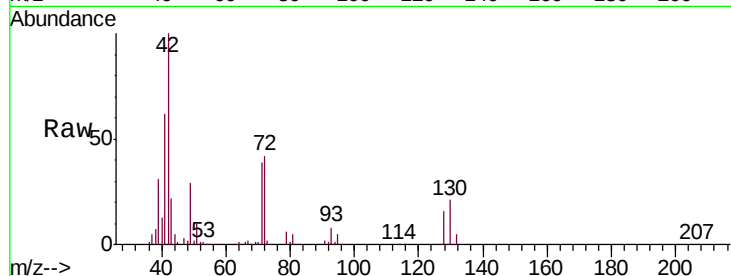
#29
Tetrahydrofuran
Concen: 269.276 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.7	50.5
71	38.5	31.9	47.9

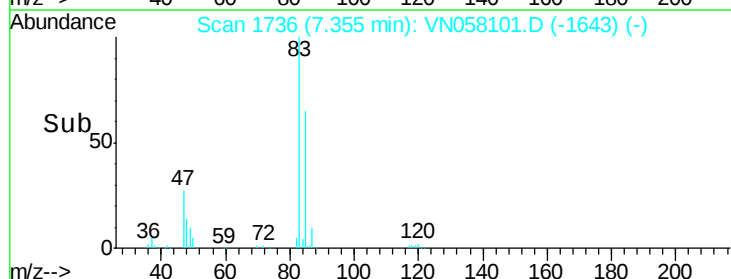
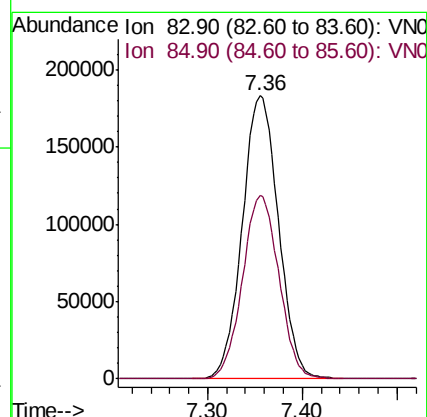
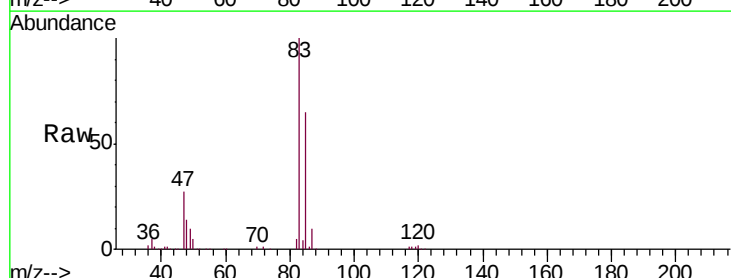
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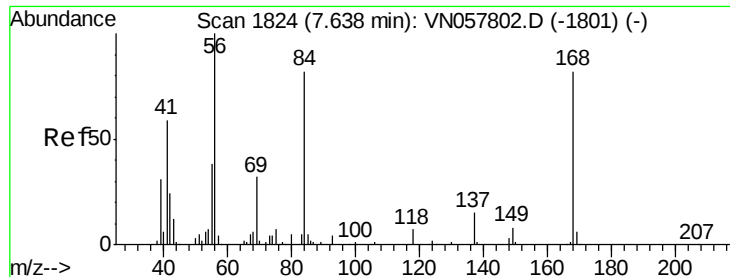
MMDadoda
9/18/2019 1:56:20 PM



#30
Chloroform
Concen: 53.811 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.6	75.8





#31

Cyclohexane

Concen: 53.809 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

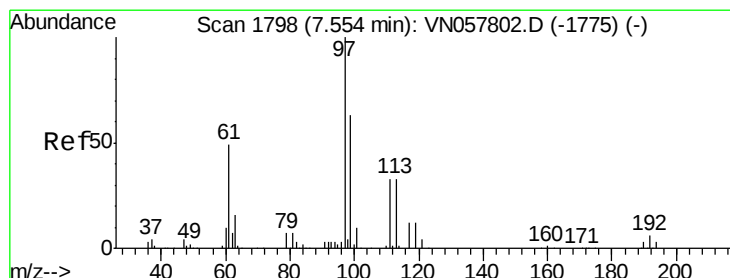
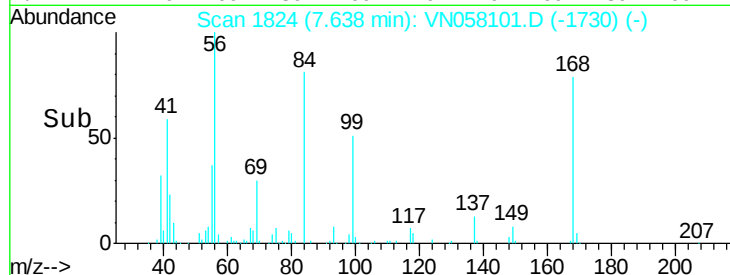
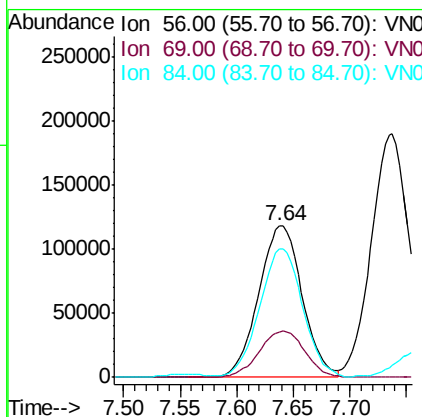
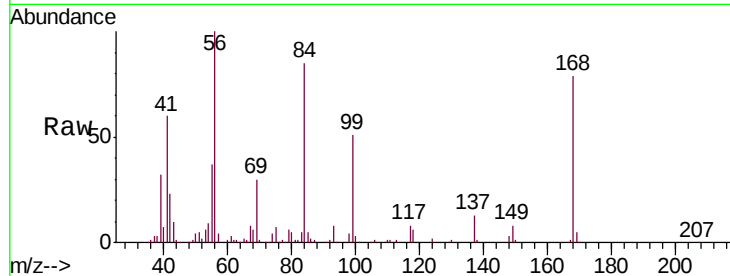
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	56	Resp:	316371
Ion Ratio	Lower	Upper	
56	100		
69	30.0	25.9	38.9
84	82.8	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.027 ug/l

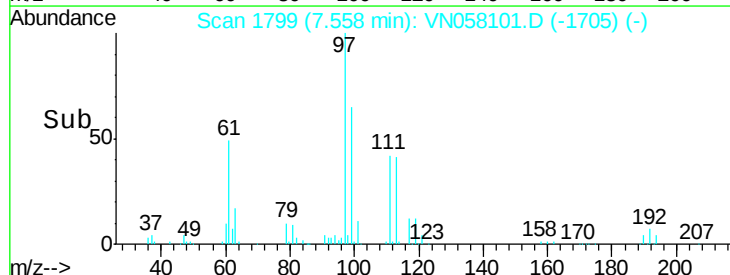
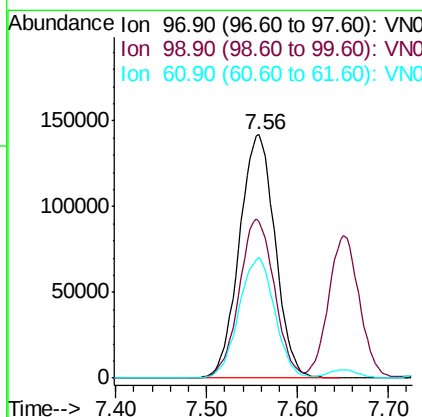
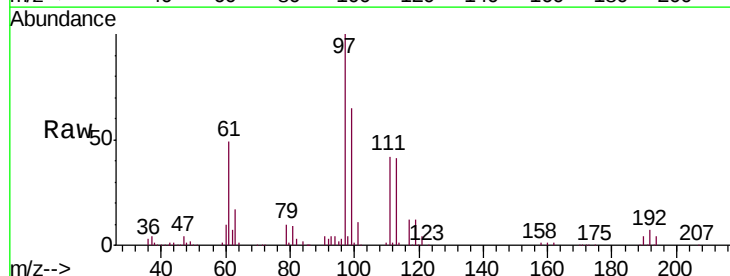
RT: 7.56 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion:	97	Resp:	387771
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.0	76.4
61	49.6	39.0	58.6





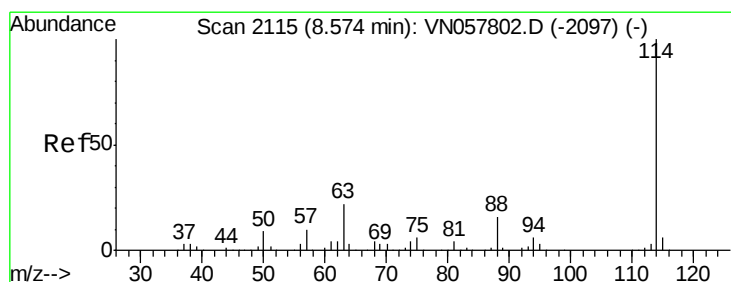
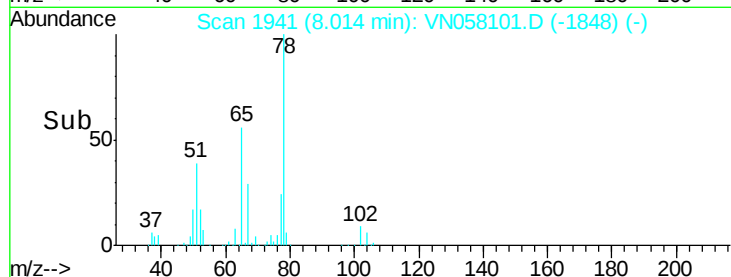
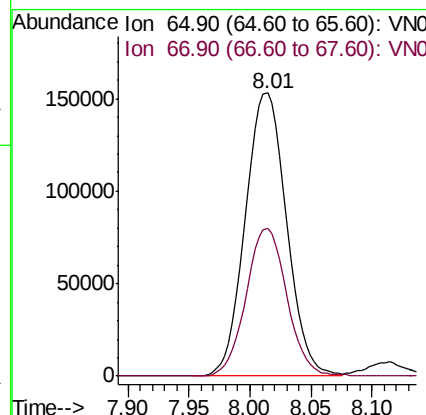
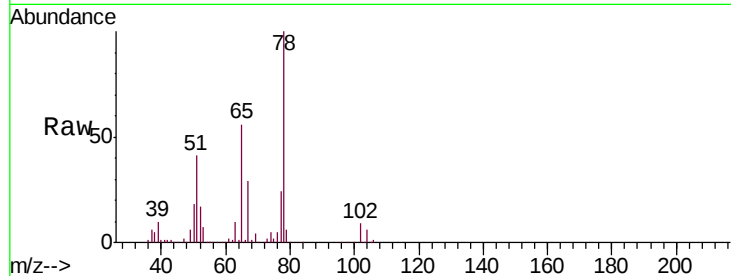
#33
 1,2-Dichloroethane-d4
 Concen: 54.658 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	358763		
67	51.5	0.0	104.0	

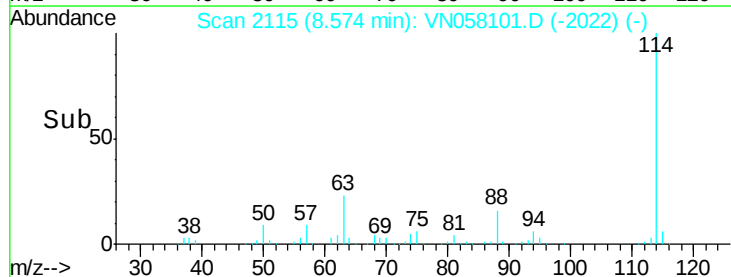
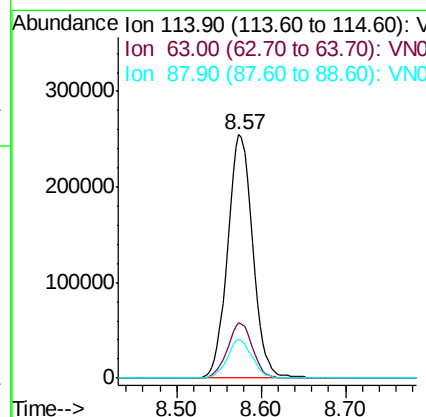
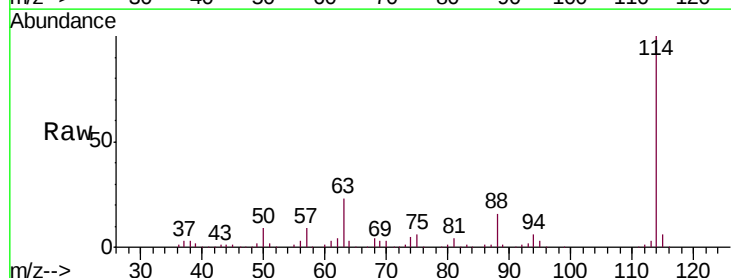
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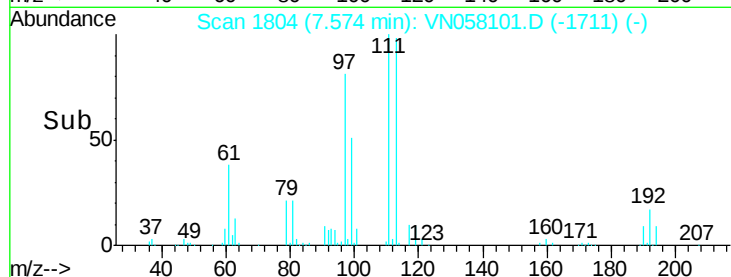
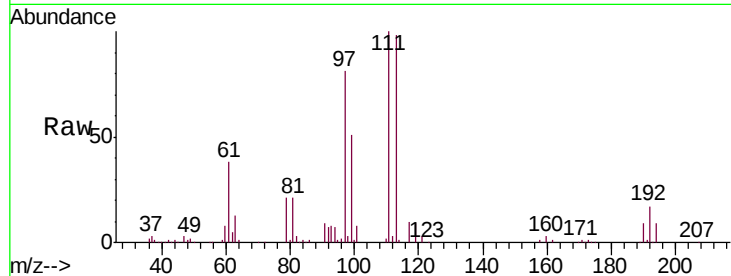
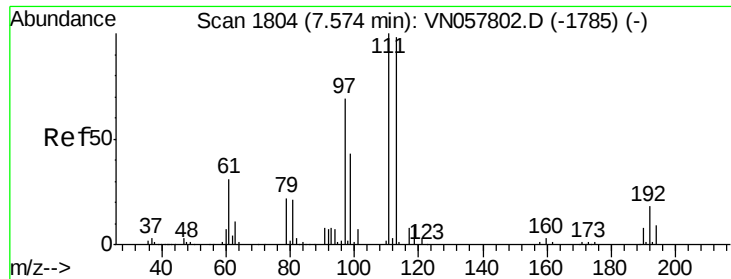
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	527049		
63	22.5	0.0	44.0	
88	15.9	0.0	31.4	





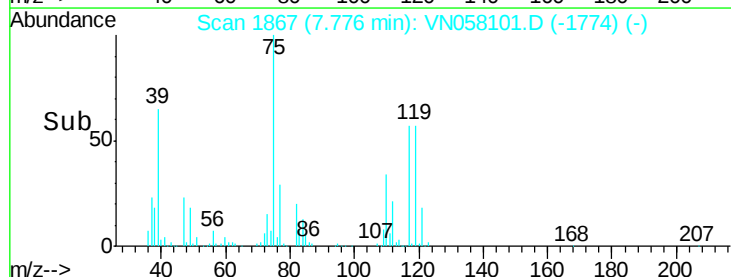
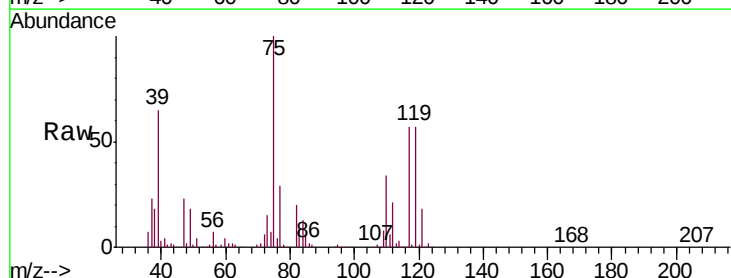
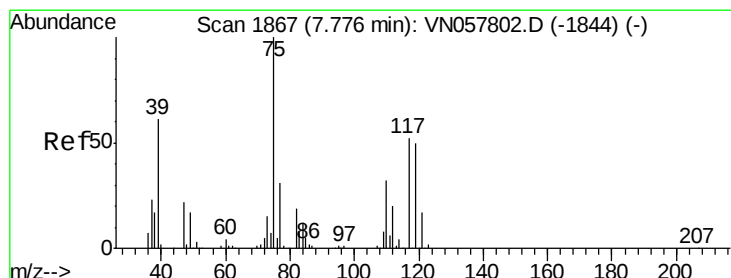
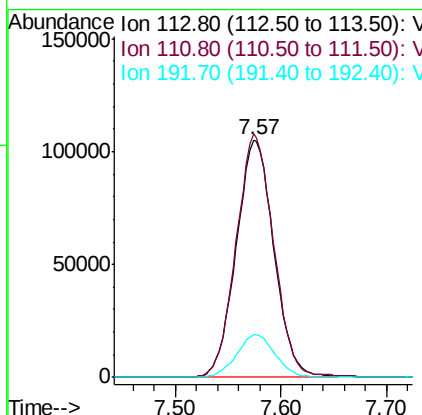
#35
Dibromofluoromethane
Concen: 53.636 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	260911		
111	101.7	81.3	121.9	
192	18.4	14.6	22.0	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

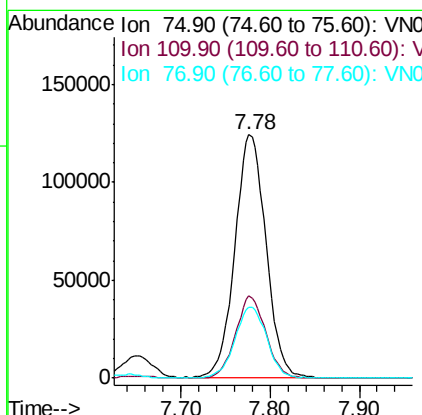
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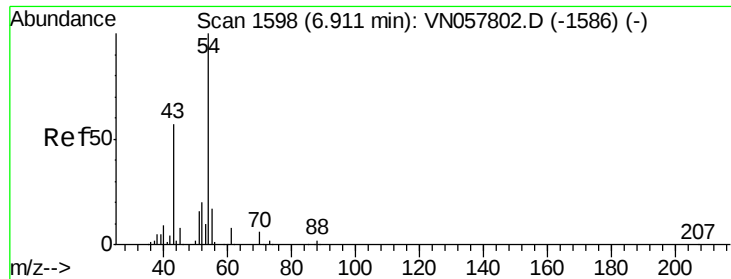
MMDadoda
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#36
1,1-Dichloropropene
Concen: 49.227 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	300891		
110	33.0	16.3	48.9	
77	30.1	25.0	37.4	





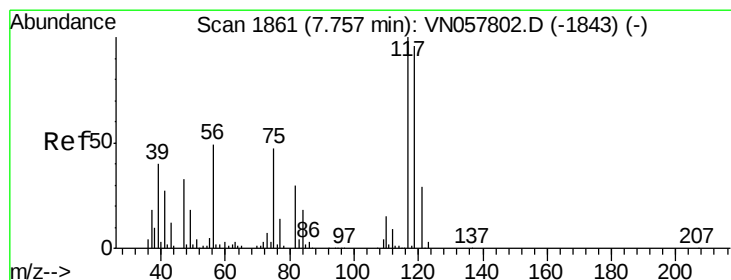
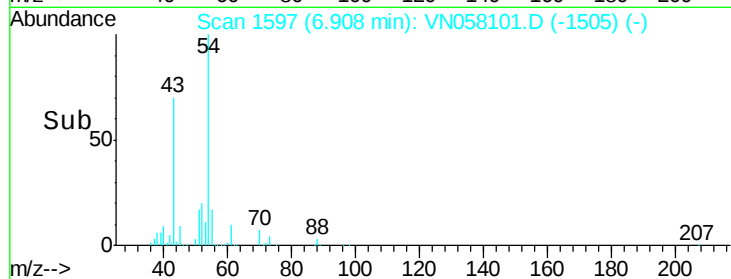
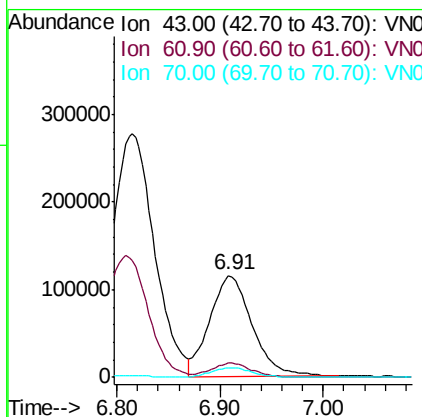
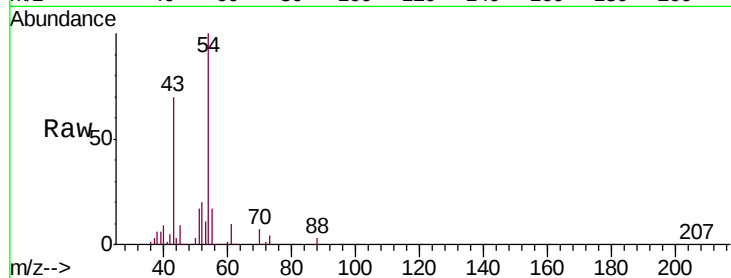
#37
 Ethyl Acetate
 Concen: 51.912 ug/l
 RT: 6.91 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	8.9	7.4	11.0

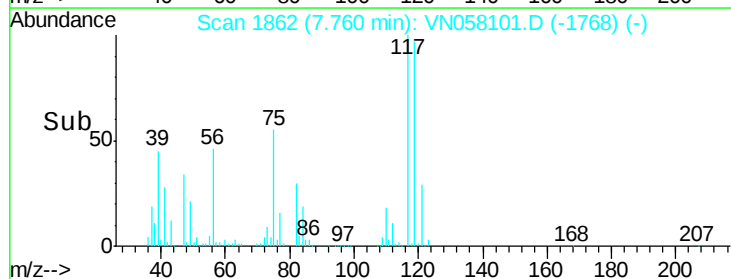
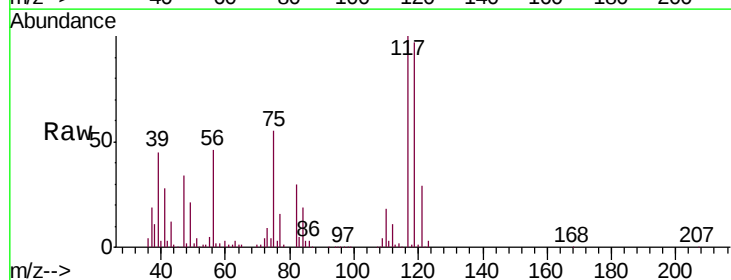
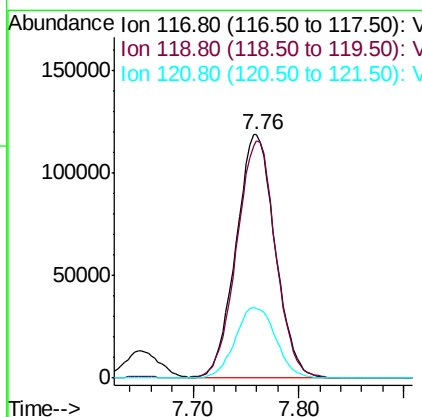
Manual Integrations
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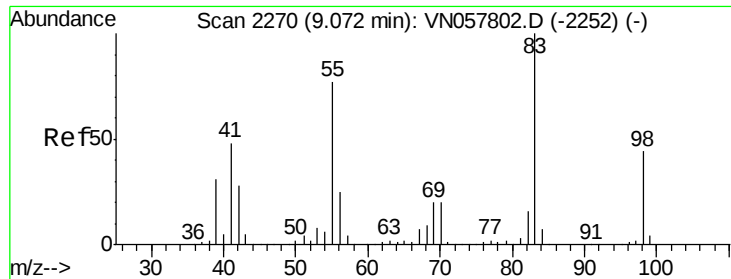
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#38
 Carbon Tetrachloride
 Concen: 54.589 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.9	115.3
121	28.7	23.4	35.2





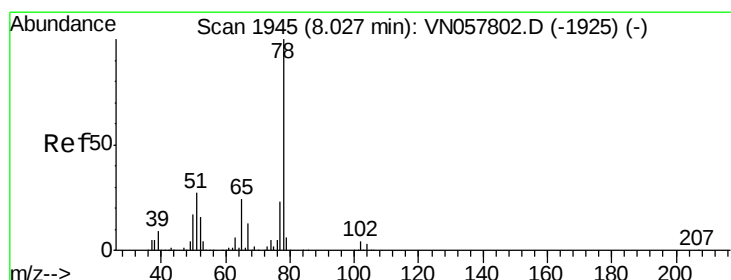
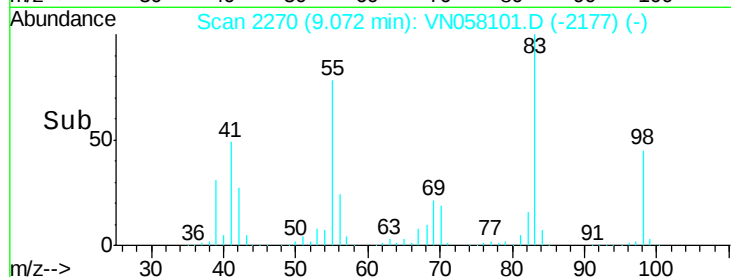
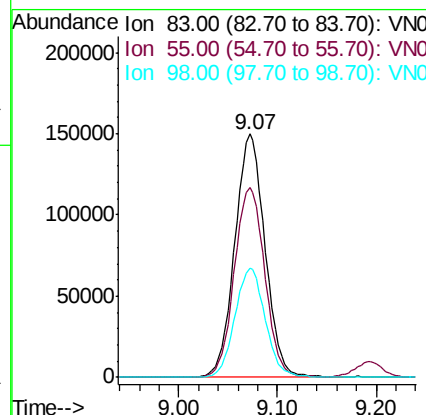
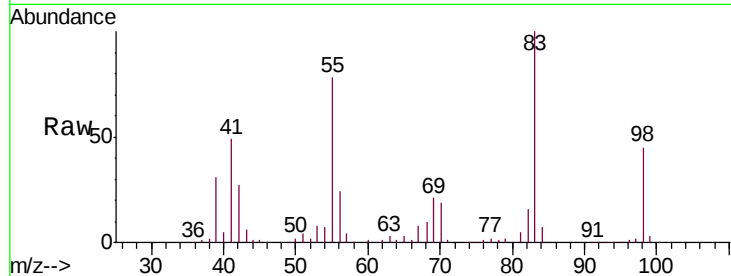
#39
Methylcyclohexane
Concen: 49.538 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.6	92.4
98	44.7	34.9	52.3

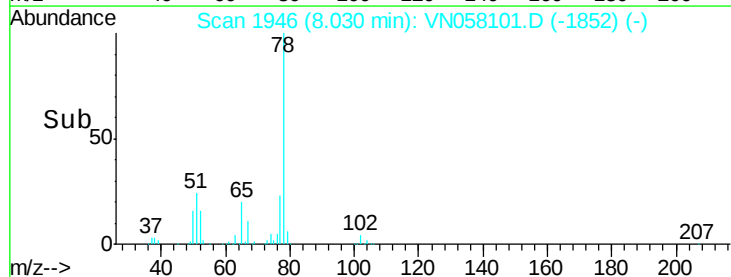
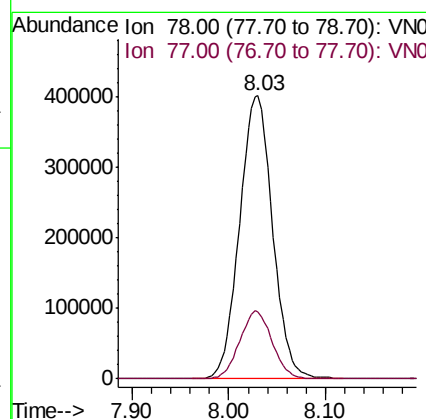
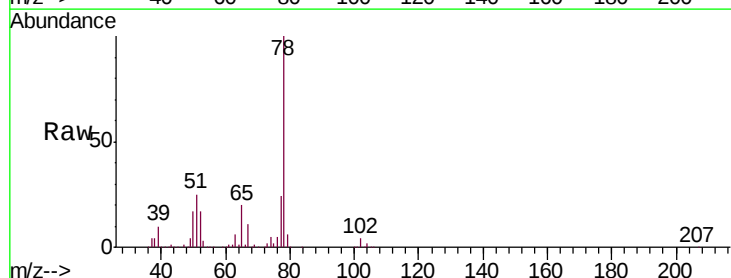
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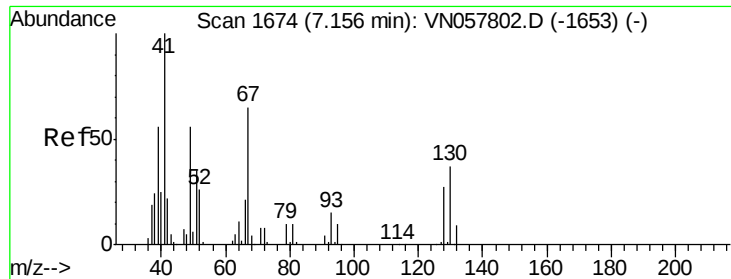
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#40
Benzene
Concen: 51.760 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.3	27.5





#41

Methacrylonitrile

Concen: 57.189 ug/l m

RT: 7.16 min Scan# 1676

Delta R.T. 0.01 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 163943
Ion Ratio Lower Upper

41 100

39 0.0 51.0 76.6#

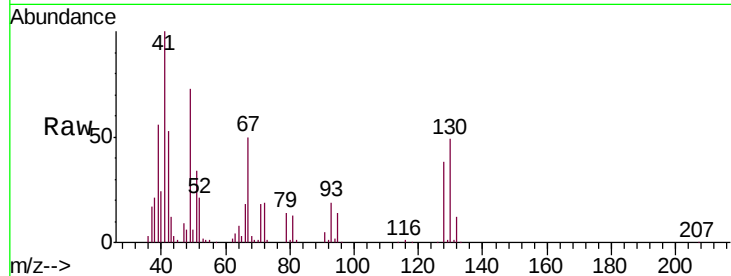
67 0.0 70.7 106.1#

52 0.0 30.8 46.2#

Manual Integrations
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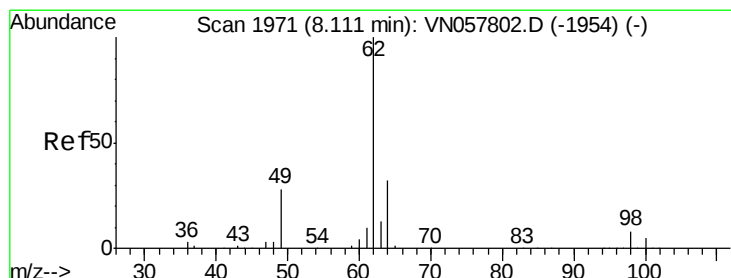
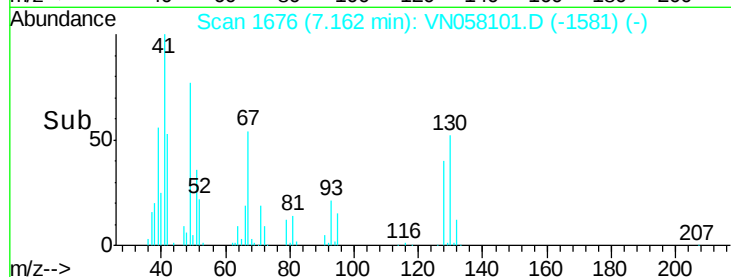
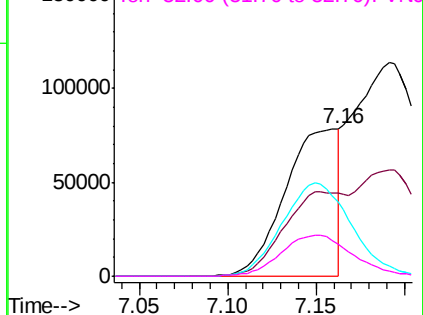


Abundance Ion 41.00 (40.70 to 41.70): VN057802.D (-1653) (-)

Ion 39.00 (38.70 to 39.70): VN057802.D (-1653) (-)

Ion 67.00 (66.70 to 67.70): VN057802.D (-1653) (-)

Ion 52.00 (51.70 to 52.70): VN057802.D (-1653) (-)



#42

1,2-Dichloroethane

Concen: 54.416 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. 0.00 min

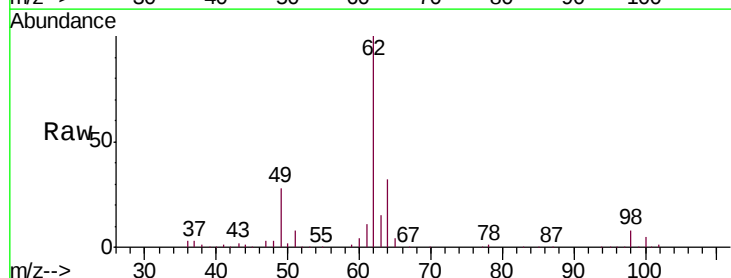
Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion: 62 Resp: 400487
Ion Ratio Lower Upper

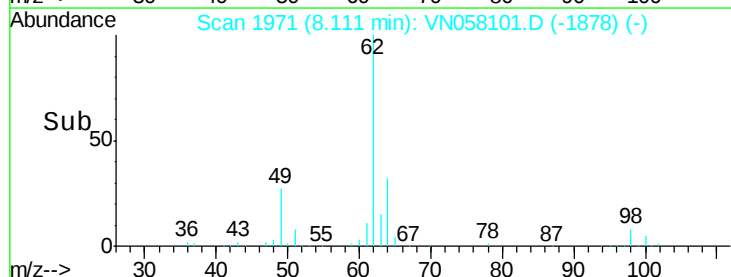
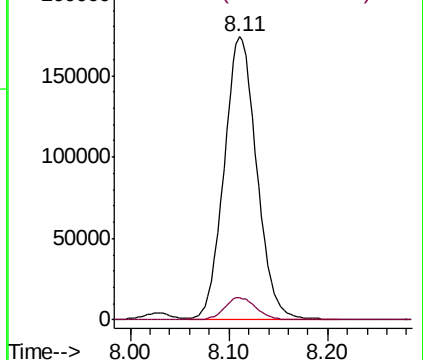
62 100

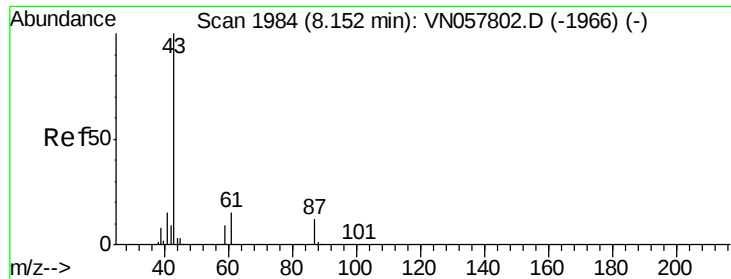
98 7.7 0.0 15.8



Abundance Ion 61.90 (61.60 to 62.60): VN057802.D (-1954) (-)

Ion 97.90 (97.60 to 98.60): VN057802.D (-1954) (-)





#43

Isopropyl Acetate

Concen: 57.698 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

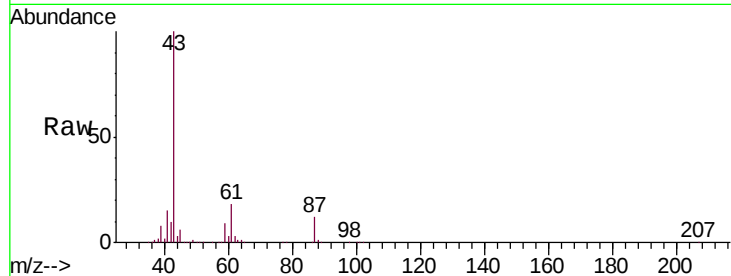
ClientSampleId :

VSTDCCC050EC

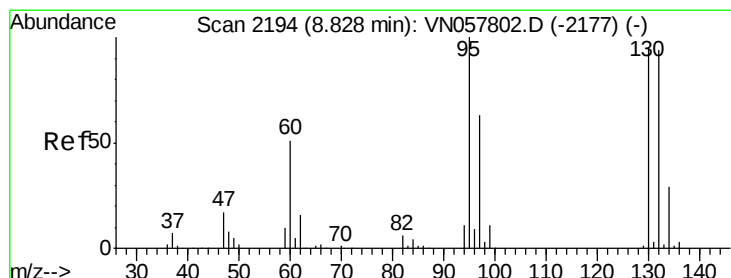
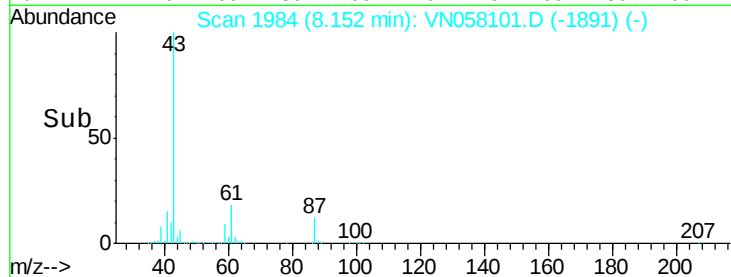
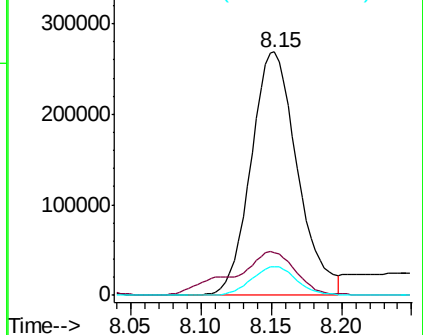
Tgt Ion:	43	Resp:	612764
Ion	Ratio	Lower	Upper
43	100		
61	24.0	20.1	30.1
87	11.6	9.5	14.3

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Abundance Ion 43.00 (42.70 to 43.70): VN058101.D (-1891) (-)



#44

Trichloroethene

Concen: 52.462 ug/l

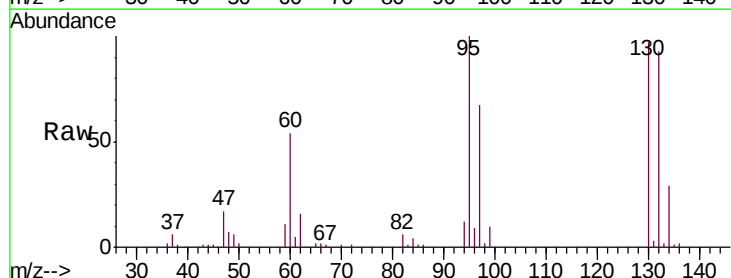
RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

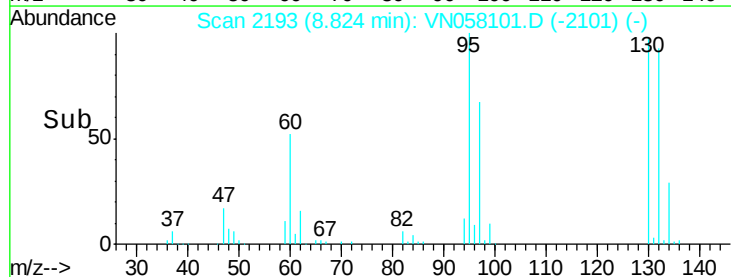
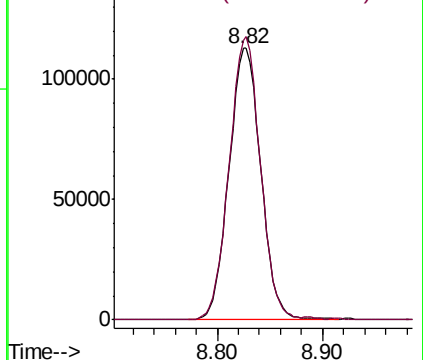
Lab File: VN058101.D

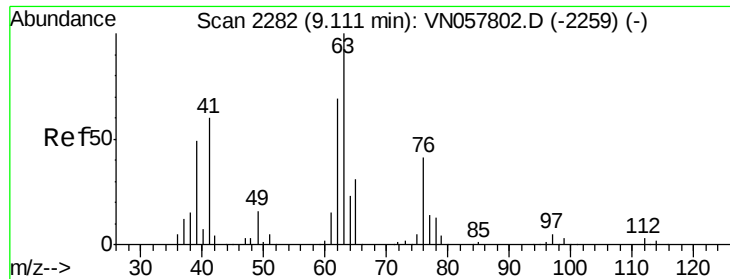
Acq: 15 Sep 2019 18:41

Tgt Ion:	130	Resp:	236790
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	211.4



Abundance Ion 129.80 (129.50 to 130.50): VN058101.D (-2101) (-)





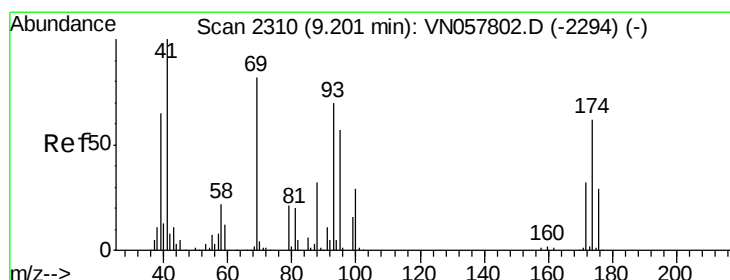
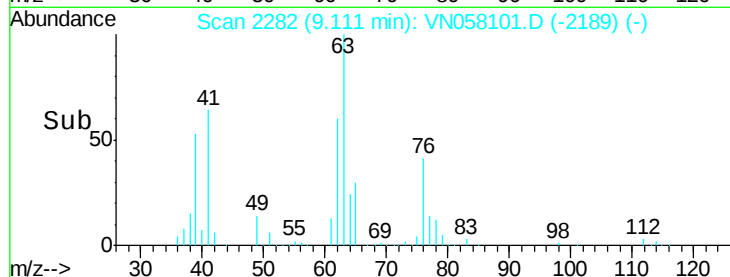
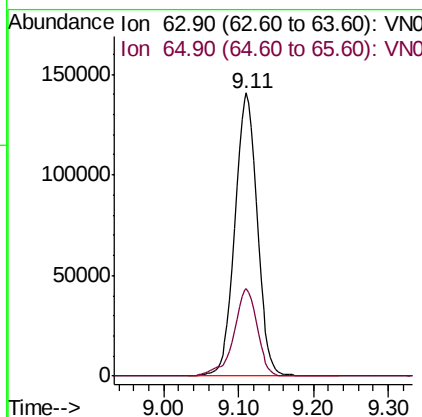
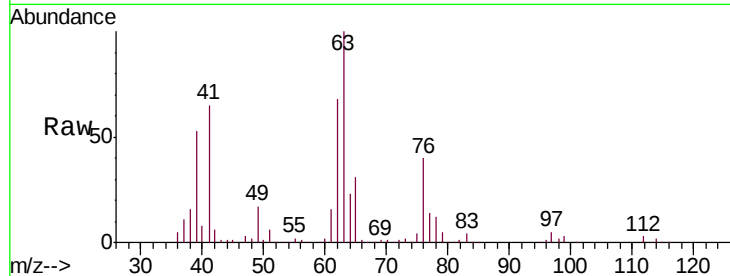
#45
 1,2-Dichloropropane
 Concen: 54.718 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 293003
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.8 37.2

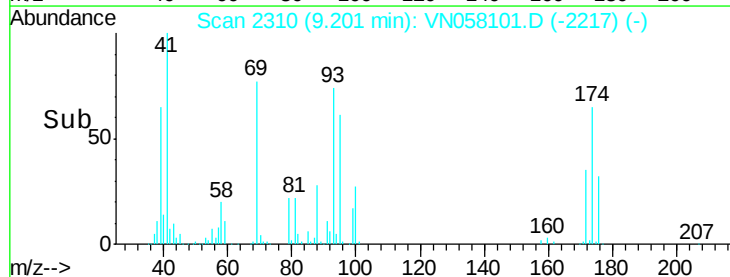
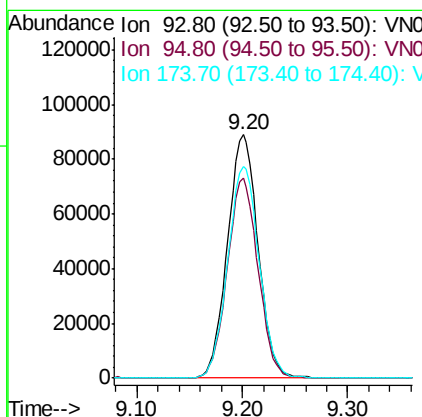
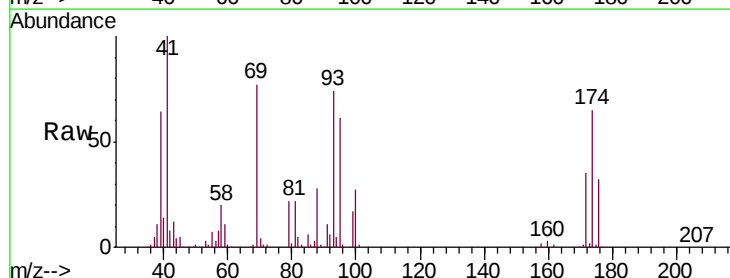
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#46
 Dibromomethane
 Concen: 55.208 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion: 93 Resp: 178643
 Ion Ratio Lower Upper
 93 100
 95 82.5 65.9 98.9
 174 89.5 71.8 107.6





#47

Bromodichloromethane

Concen: 57.217 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

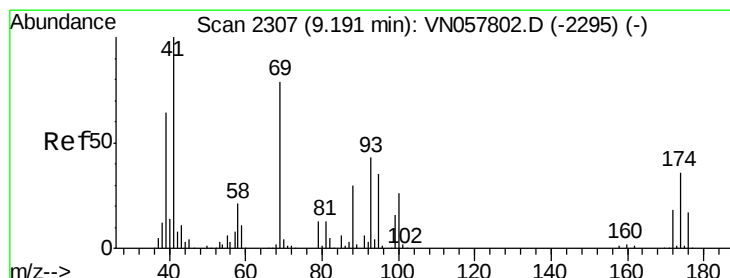
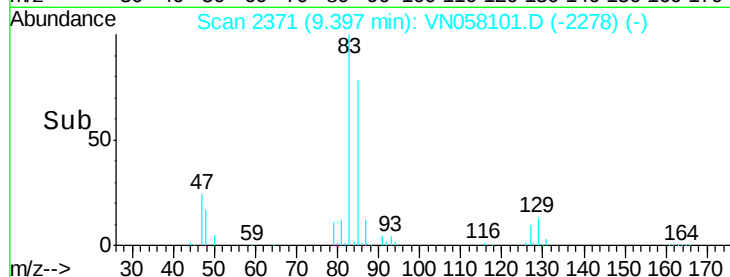
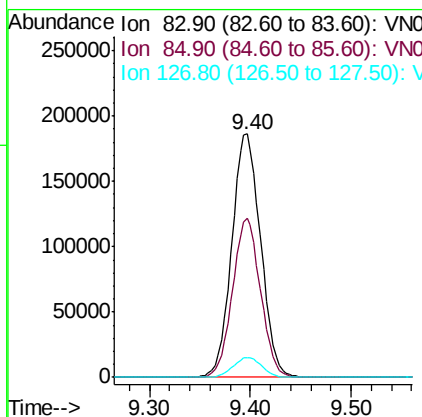
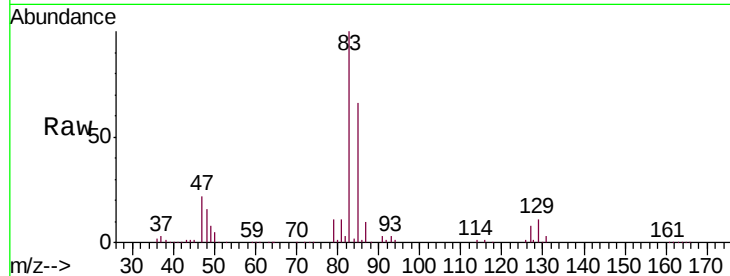
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	369713
Ion Ratio	Lower	Upper	
83	100		
85	65.6	49.9	74.9
127	8.2	6.5	9.7

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#48

Methyl methacrylate

Concen: 53.830 ug/l

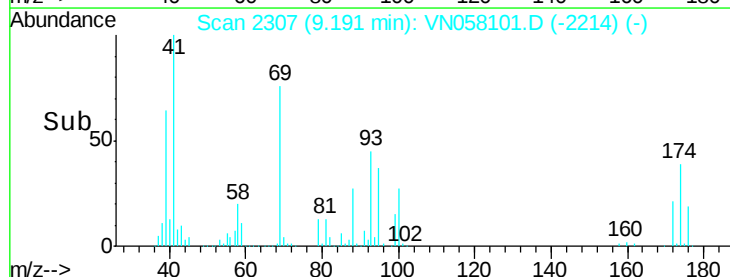
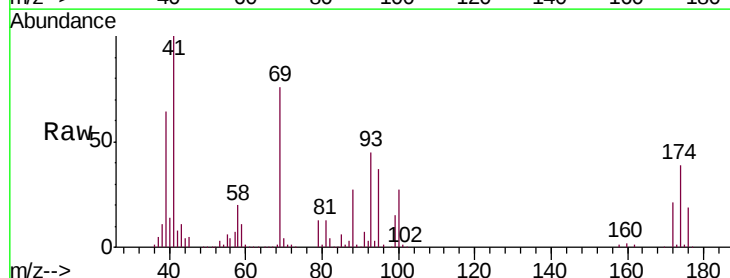
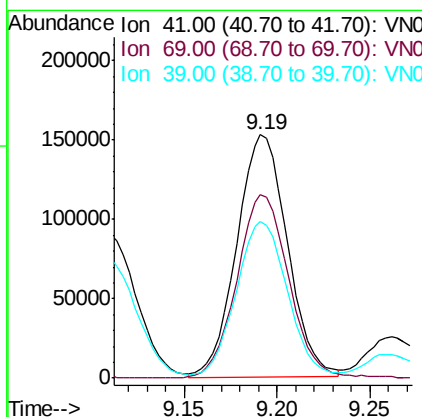
RT: 9.19 min Scan# 2307

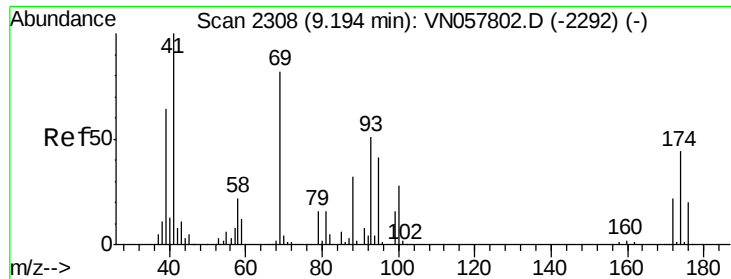
Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion:	41	Resp:	289997
Ion Ratio	Lower	Upper	
41	100		
69	77.4	62.7	94.1
39	65.6	52.7	79.1





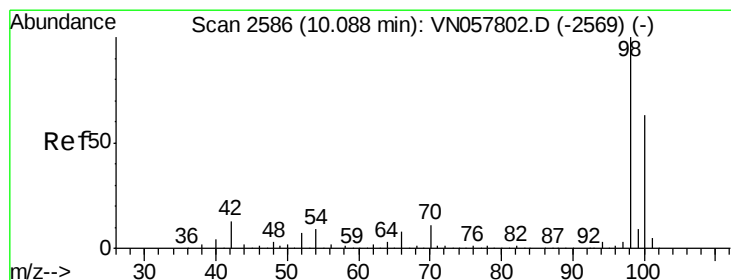
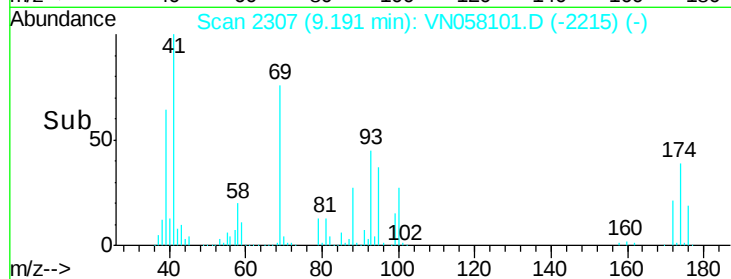
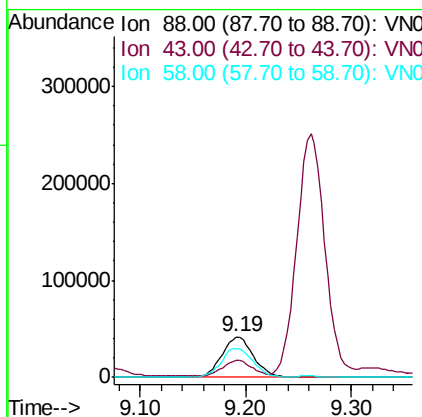
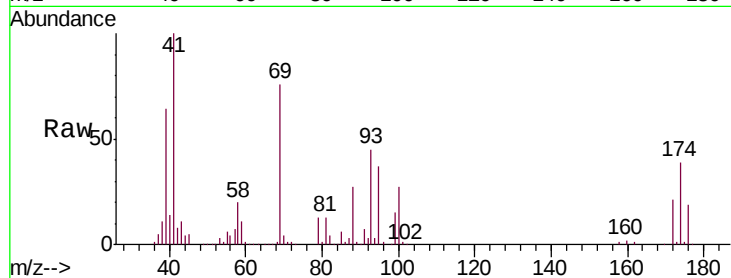
#49
1,4-Dioxane
Concen: 945.876 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.5	42.7
58	72.0	55.8	83.6

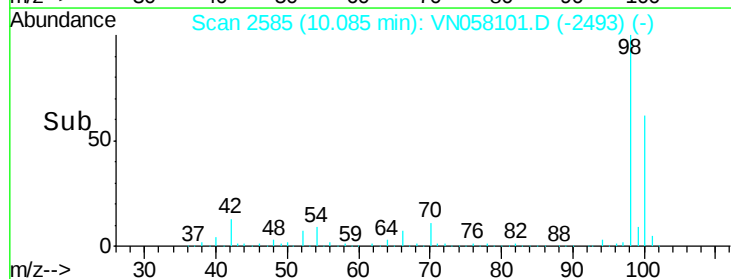
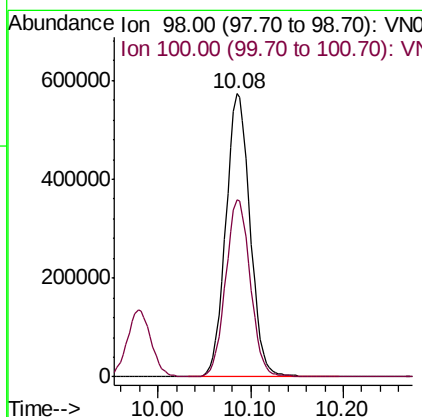
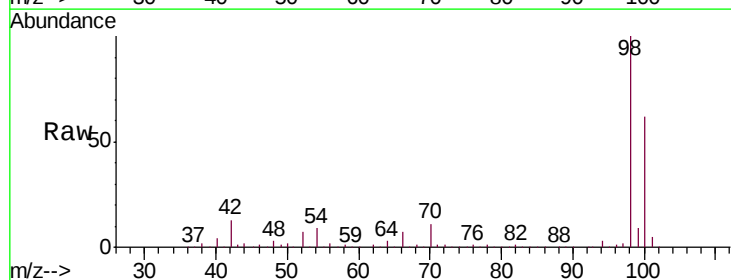
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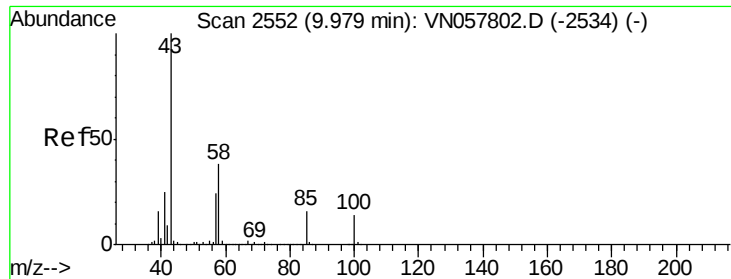
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#50
Toluene-d8
Concen: 55.129 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.3	75.5





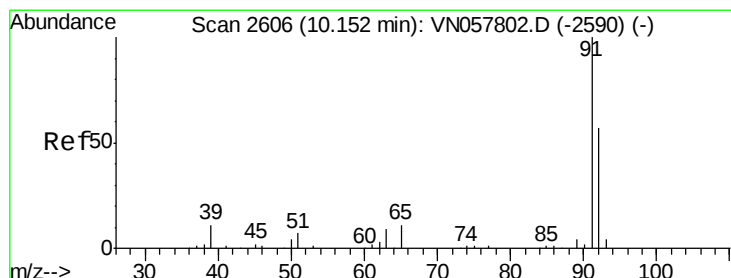
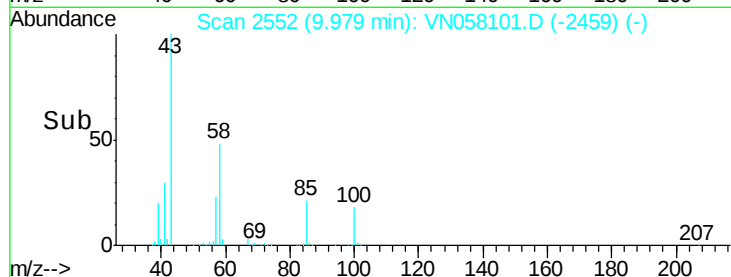
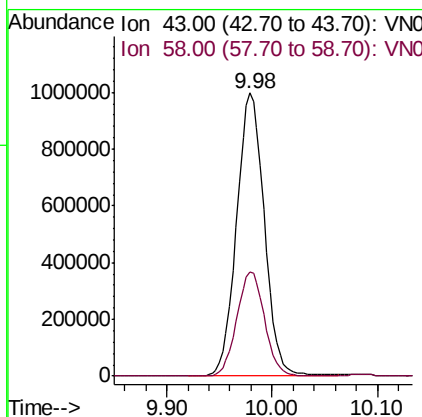
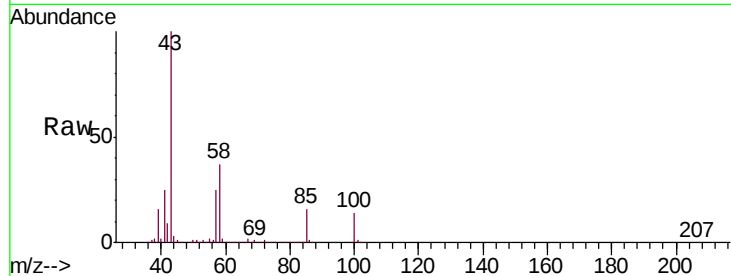
#51
 4-Methyl-2-Pentanone
 Concen: 288.606 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 1813796
 Ion Ratio Lower Upper
 43 100
 58 37.0 29.8 44.6

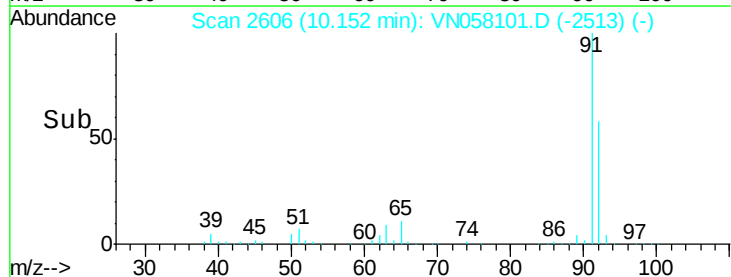
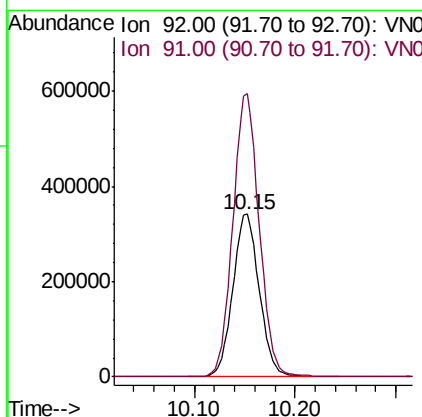
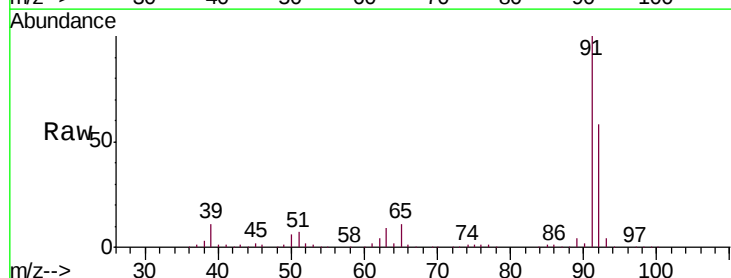
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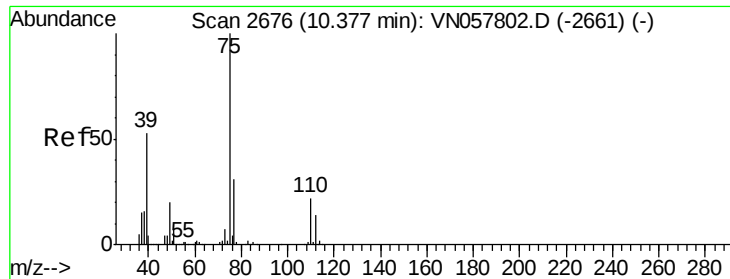
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#52
 Toluene
 Concen: 53.837 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion: 92 Resp: 623992
 Ion Ratio Lower Upper
 92 100
 91 173.0 141.0 211.6





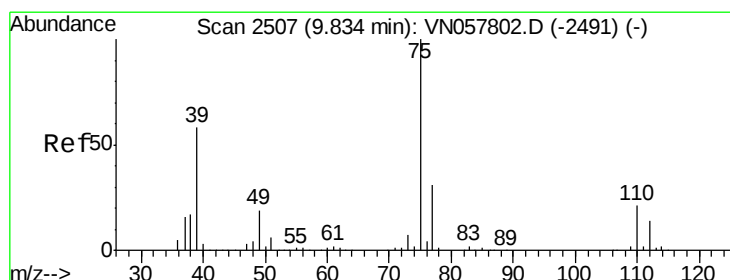
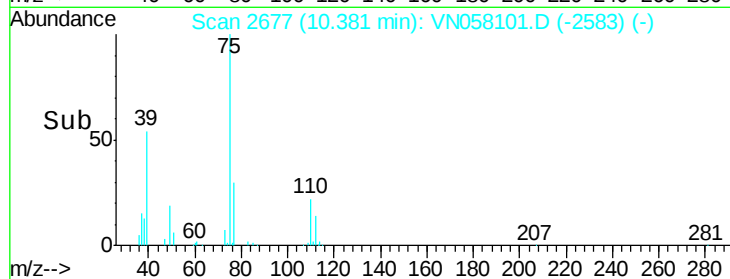
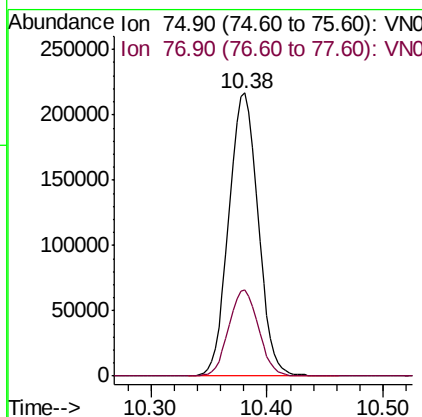
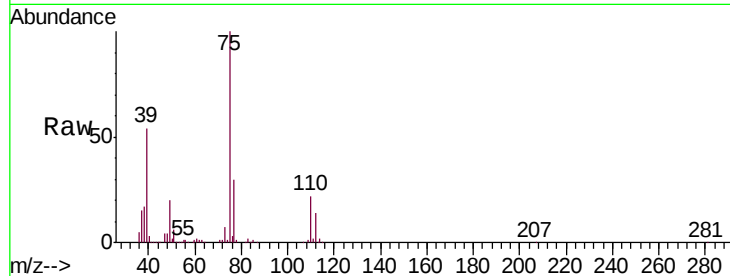
#53
t-1,3-Dichloropropene
Concen: 55.786 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 379588
Ion Ratio Lower Upper
75 100
77 30.3 24.5 36.7

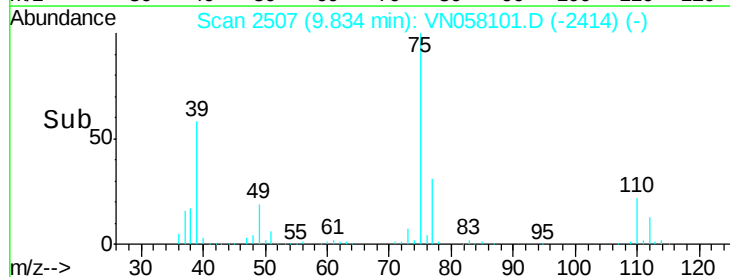
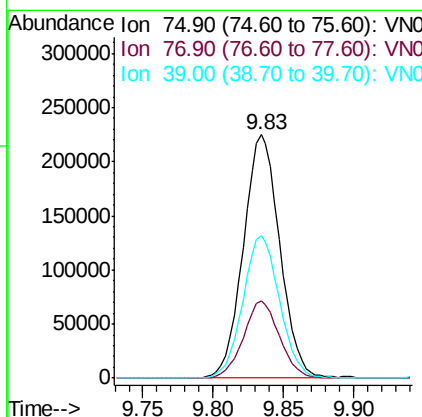
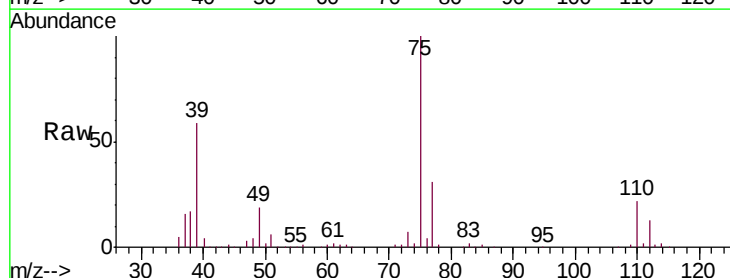
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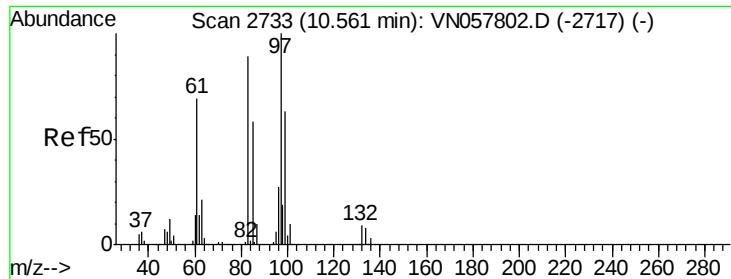
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#54
cis-1,3-Dichloropropene
Concen: 54.266 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 75 Resp: 407673
Ion Ratio Lower Upper
75 100
77 31.5 24.8 37.2
39 58.4 46.2 69.4





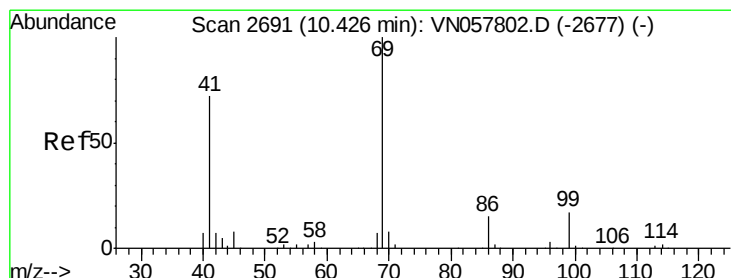
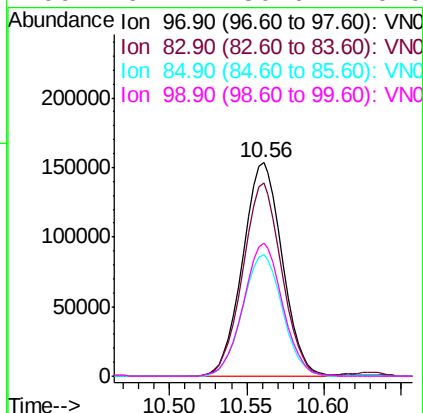
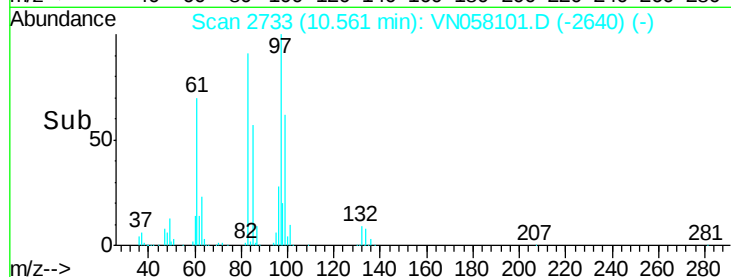
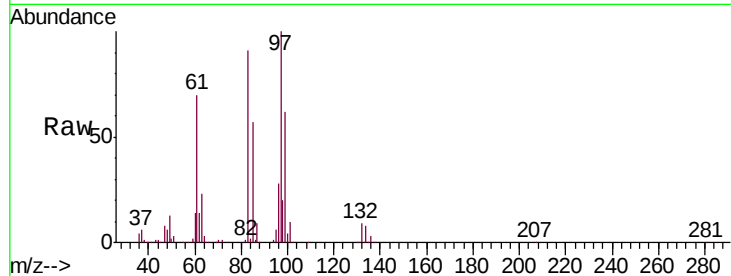
#55
 1,1,2-Trichloroethane
 Concen: 55.841 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	274156
Ion	Ratio	Lower	Upper
97	100		
83	90.6	70.8	106.2
85	57.0	46.0	69.0
99	62.4	50.6	76.0

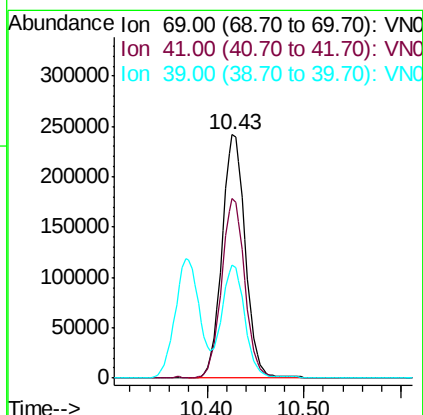
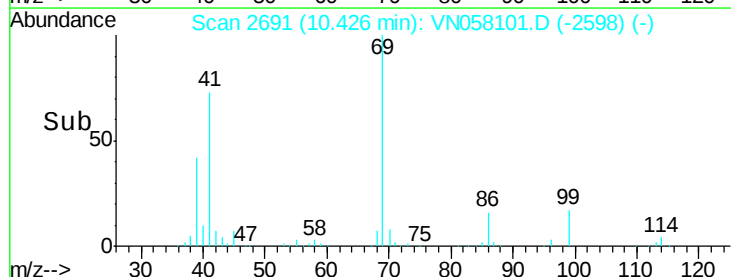
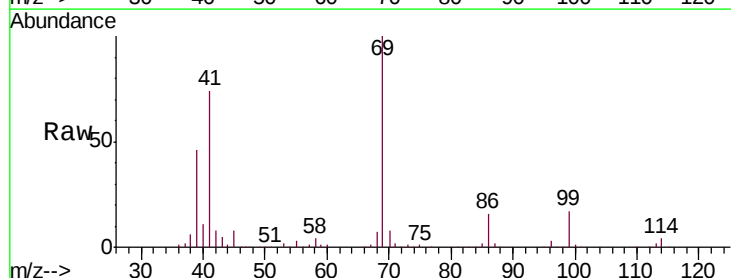
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#56
 Ethyl methacrylate
 Concen: 54.813 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion:	69	Resp:	405249
Ion	Ratio	Lower	Upper
69	100		
41	72.7	56.7	85.1
39	45.3	36.3	54.5





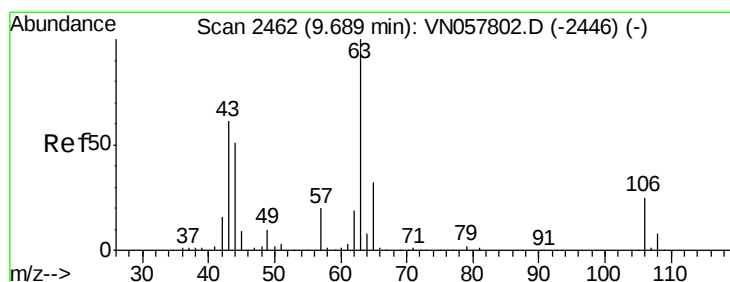
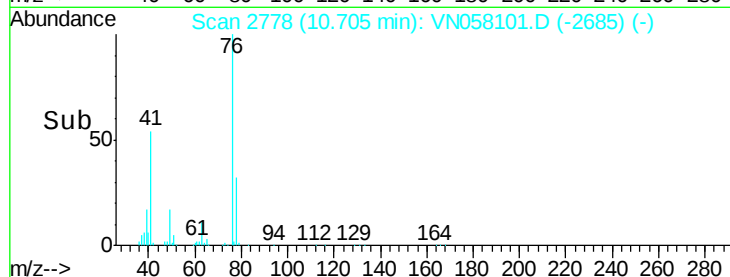
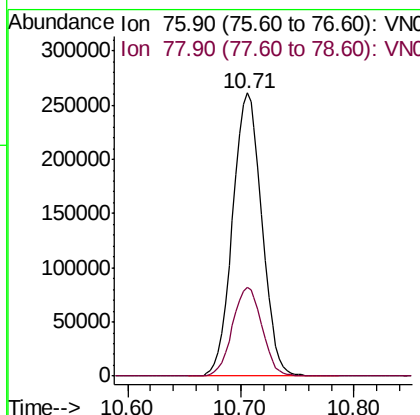
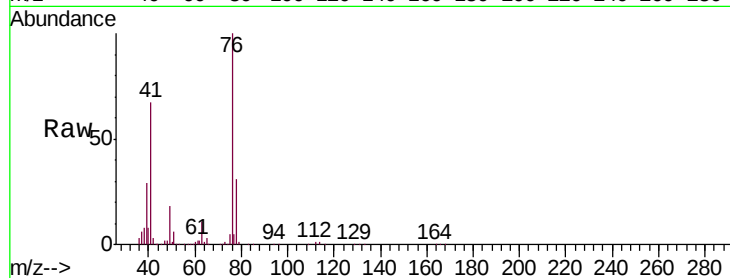
#57
 1,3-Dichloropropane
 Concen: 55.508 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 469657
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.4 38.2

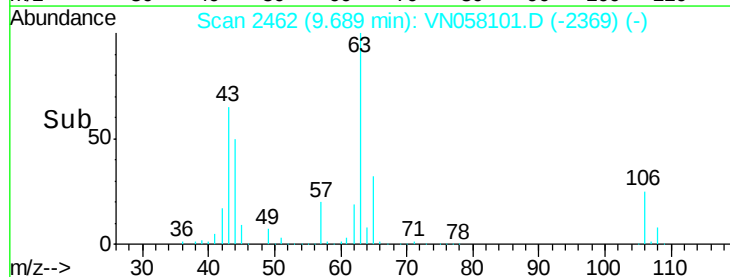
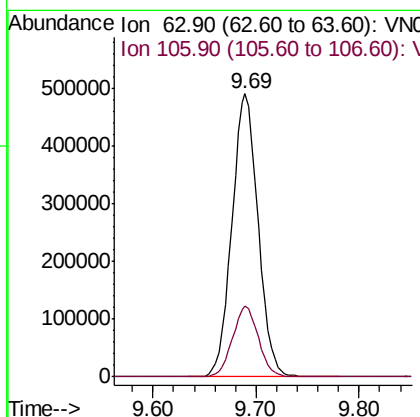
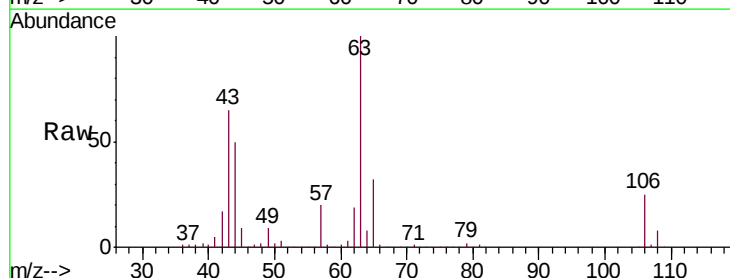
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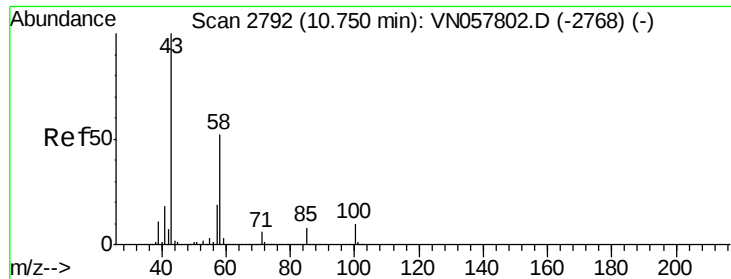
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#58
 2-Chloroethyl Vinyl ether
 Concen: 248.928 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion: 63 Resp: 866813
 Ion Ratio Lower Upper
 63 100
 106 24.8 20.0 30.0





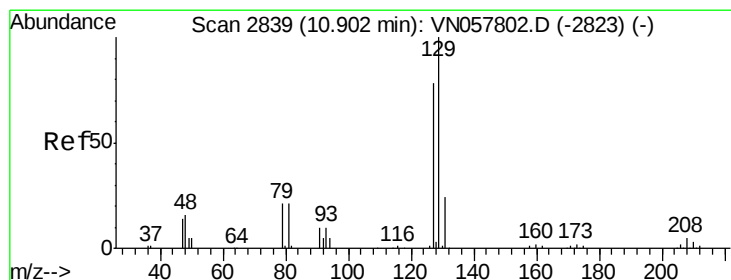
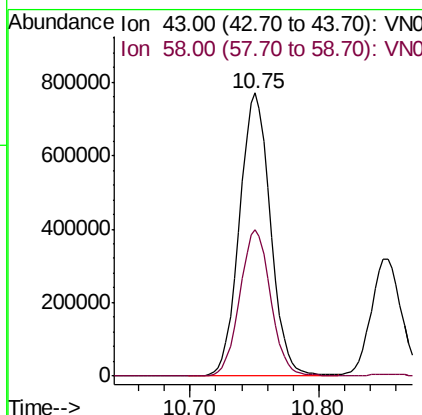
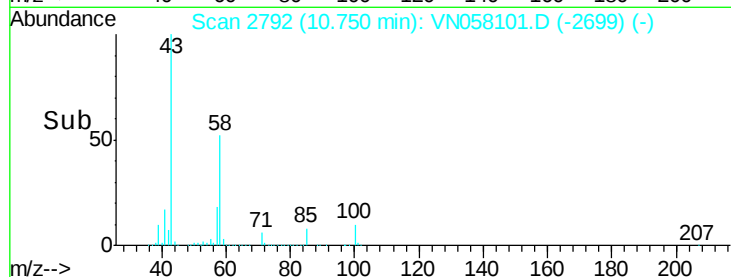
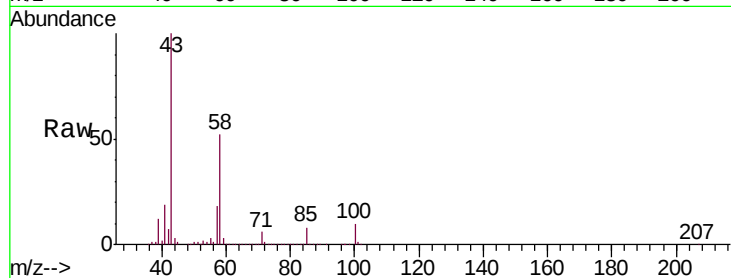
#59
2-Hexanone
Concen: 271.632 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1279554
Ion Ratio Lower Upper
43 100
58 51.8 25.6 76.8

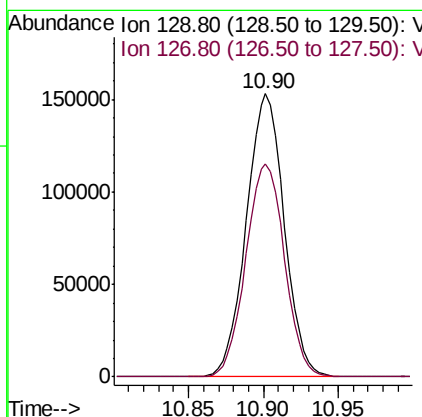
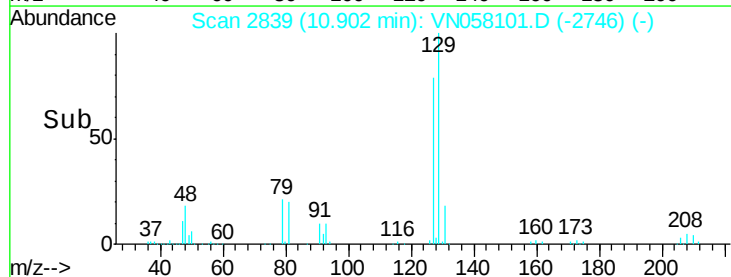
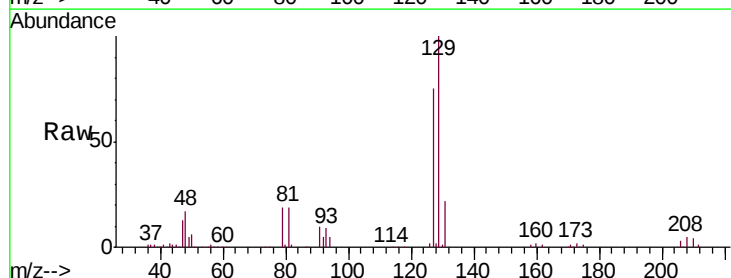
Manual Integrations
APPROVED

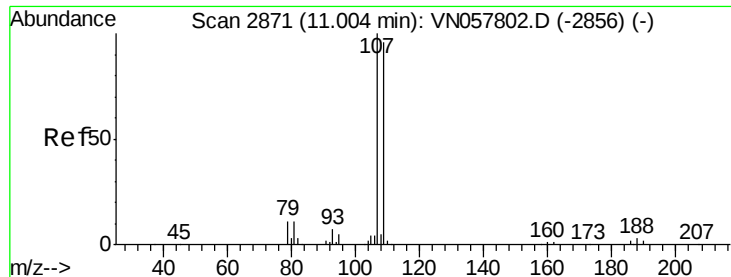
MMDadoda
9/18/2019 1:56:20 PM



#60
Dibromochloromethane
Concen: 59.214 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 129 Resp: 269957
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





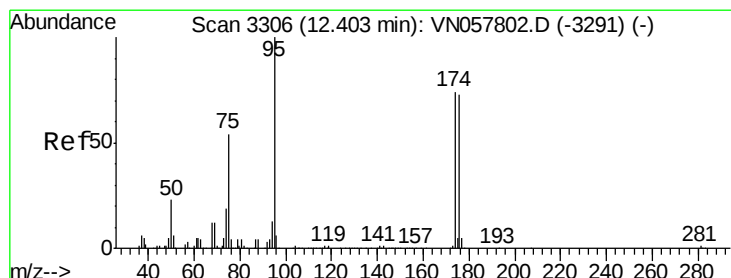
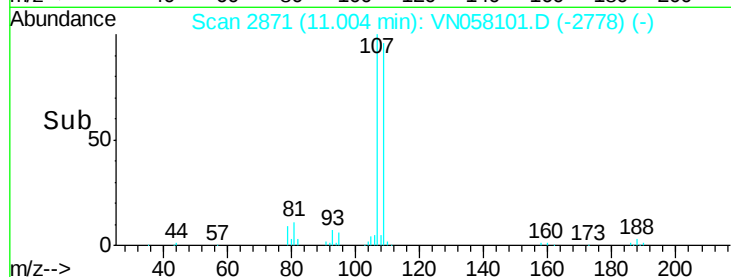
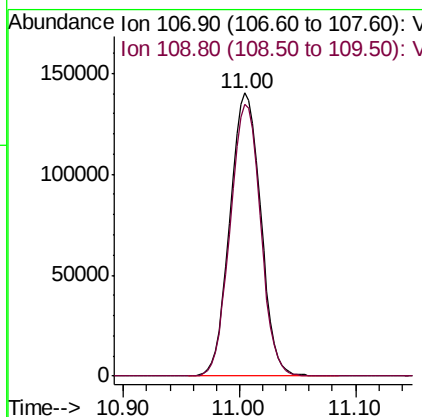
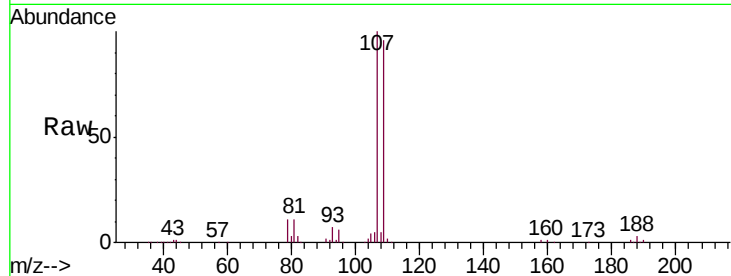
#61
1,2-Dibromoethane
Concen: 55.352 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.3	112.9

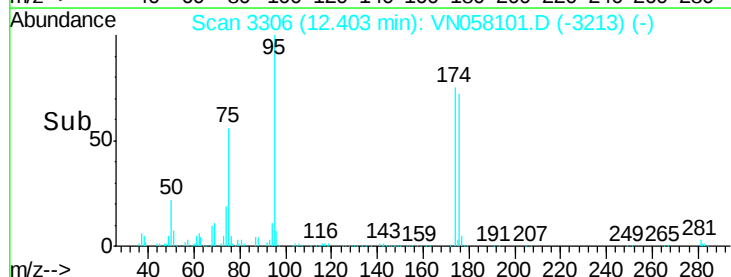
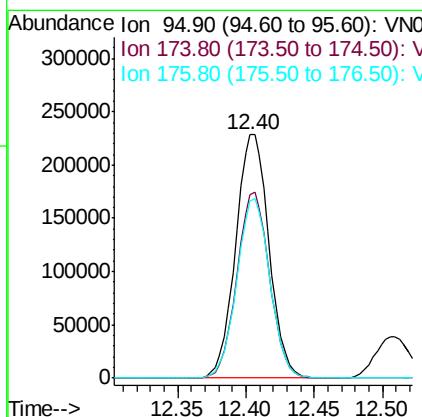
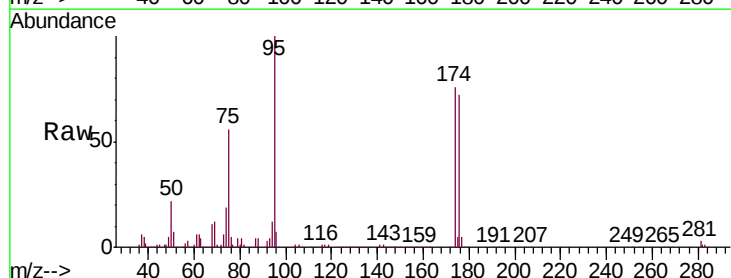
Manual Integrations
APPROVED

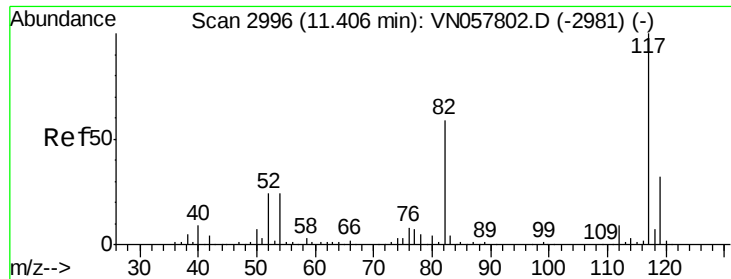
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 53.867 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.7	0.0	150.2
176	72.9	0.0	146.0





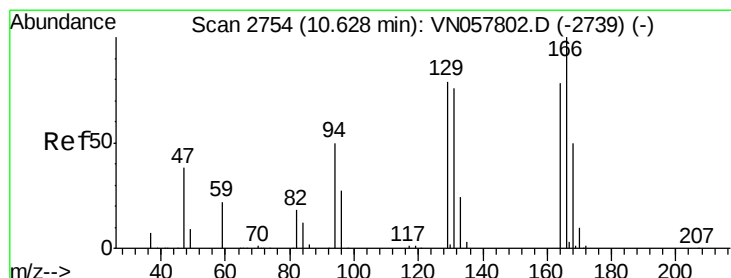
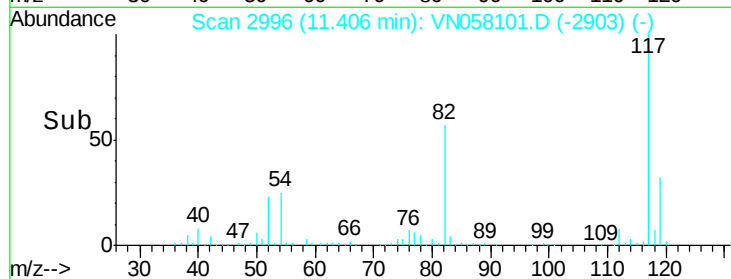
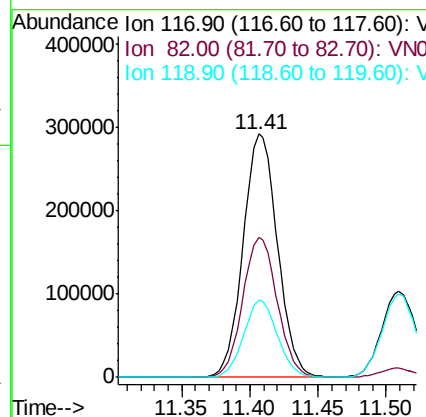
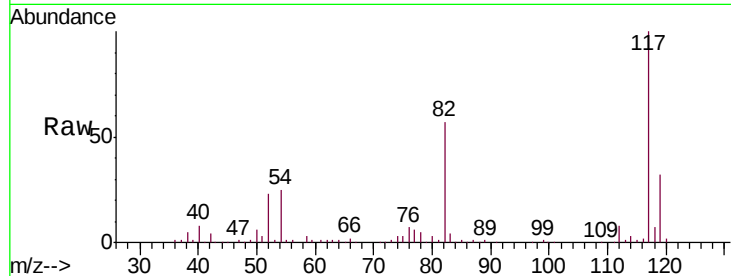
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	511828		
82	57.4	47.2	70.8	
119	31.9	25.3	37.9	

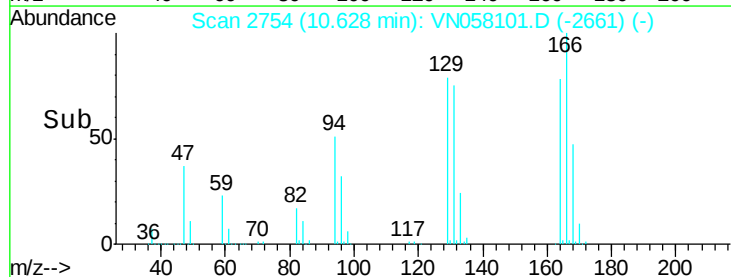
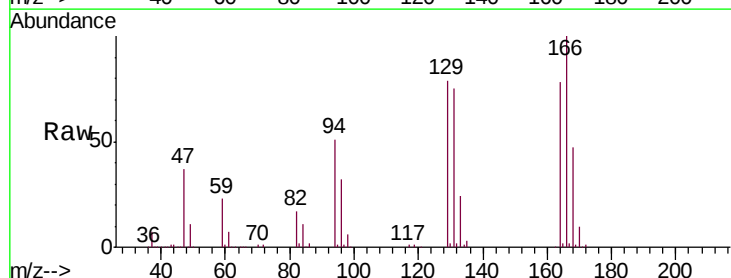
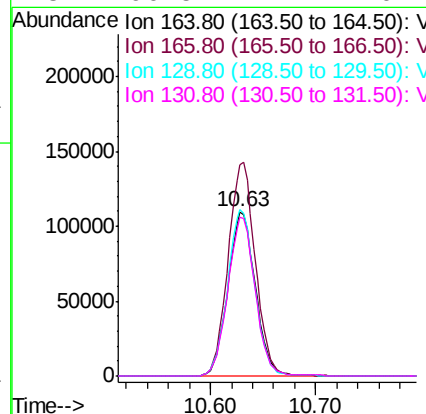
Manual Integrations
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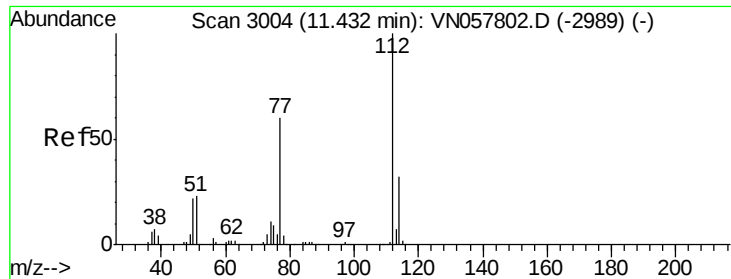
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9/18/2019 1:56:20 PM



#64
Tetrachloroethene
Concen: 52.166 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	197141		
166	128.7	102.2	153.2	
129	101.3	80.8	121.2	
131	96.5	77.4	116.2	





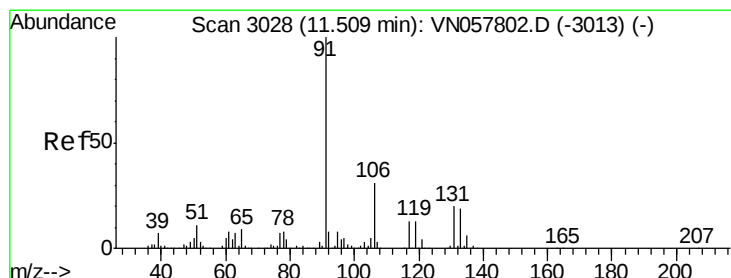
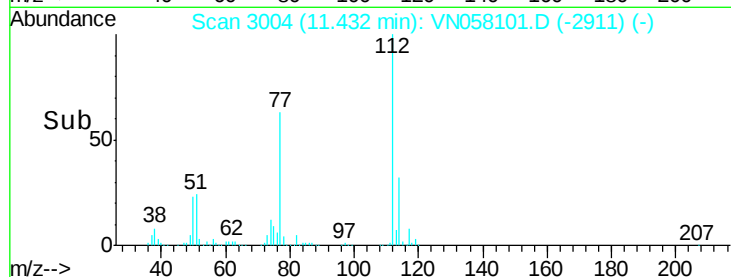
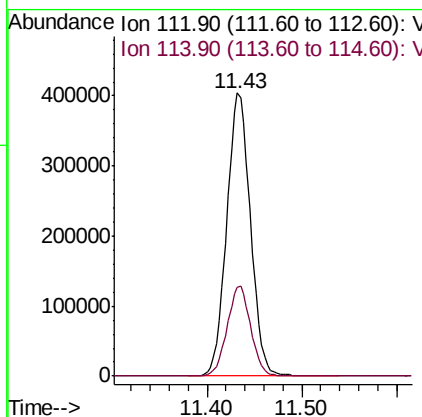
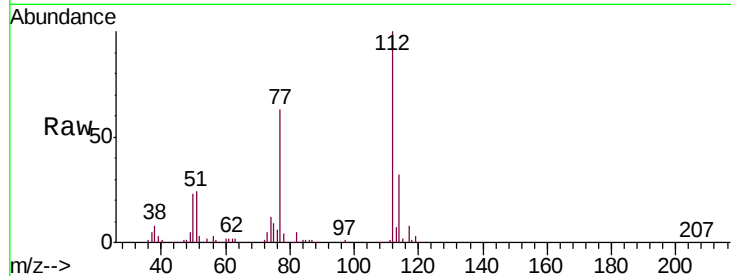
#65
Chlorobenzene
Concen: 52.528 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 703612
Ion Ratio Lower Upper
112 100
114 31.6 25.2 37.8

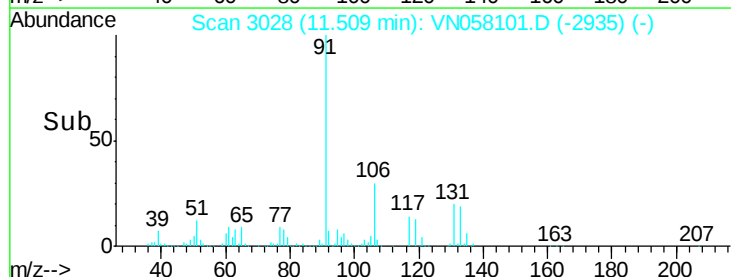
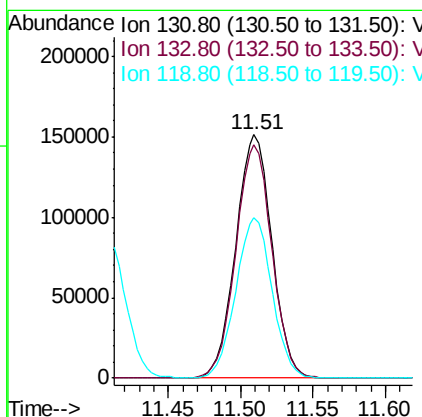
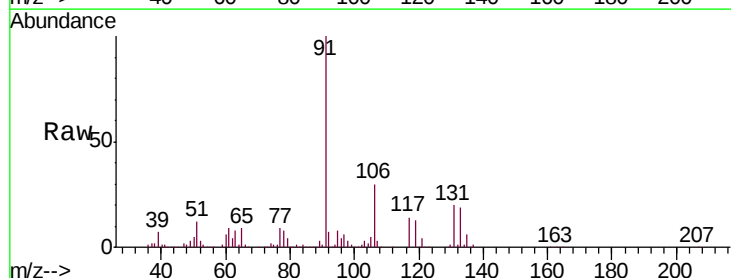
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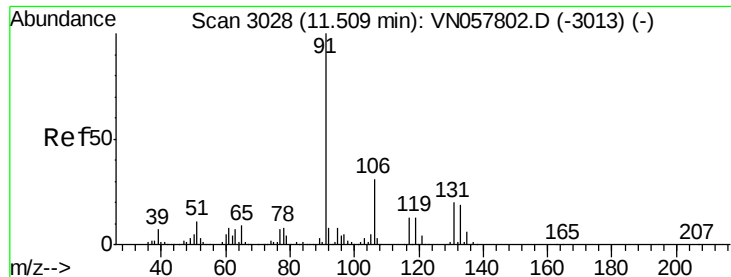
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.319 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion:131 Resp: 261769
Ion Ratio Lower Upper
131 100
133 95.9 47.1 141.3
119 66.3 33.3 99.8





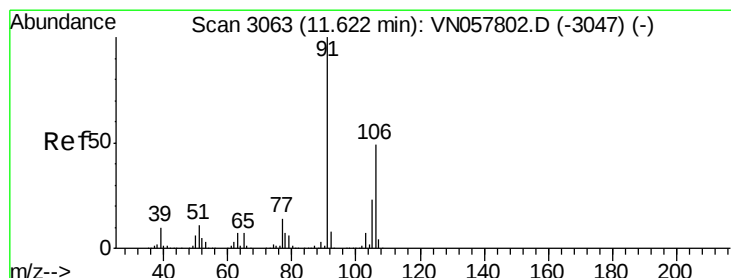
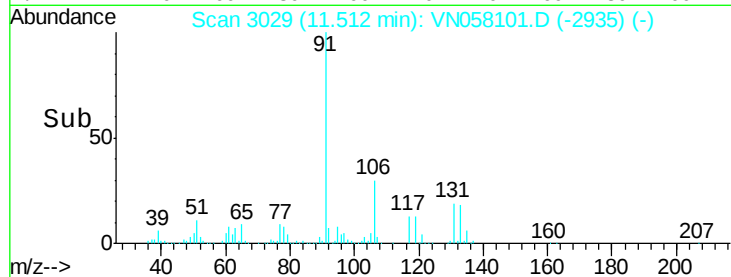
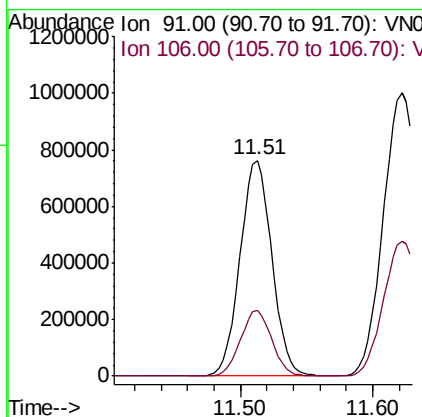
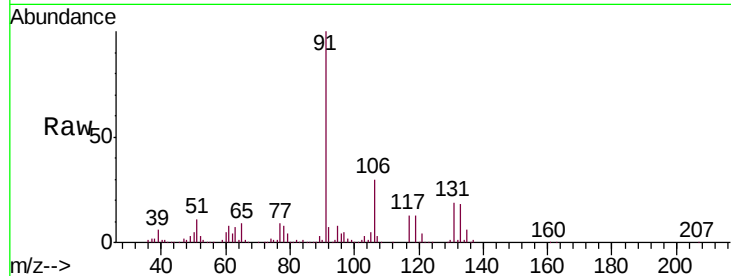
#67
Ethyl Benzene
Concen: 54.235 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1273165
Ion Ratio Lower Upper
91 100
106 30.3 24.4 36.6

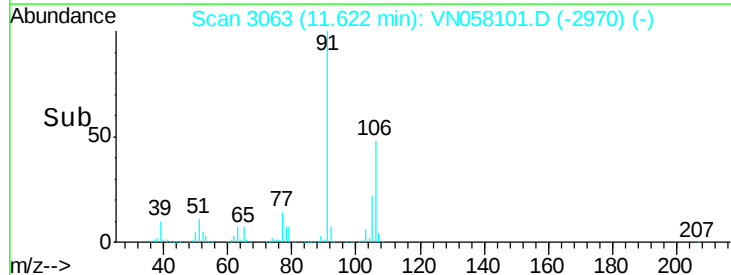
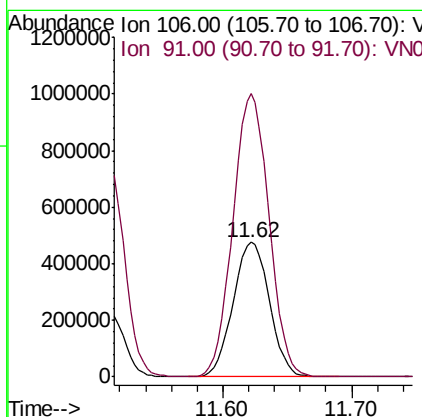
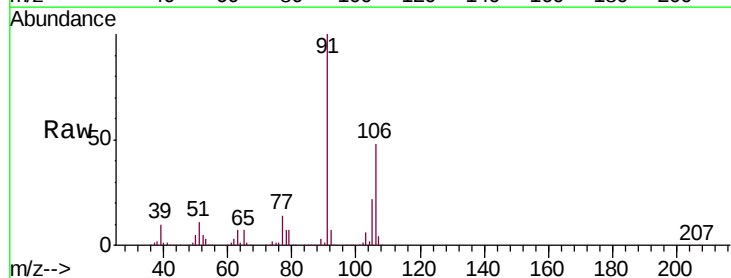
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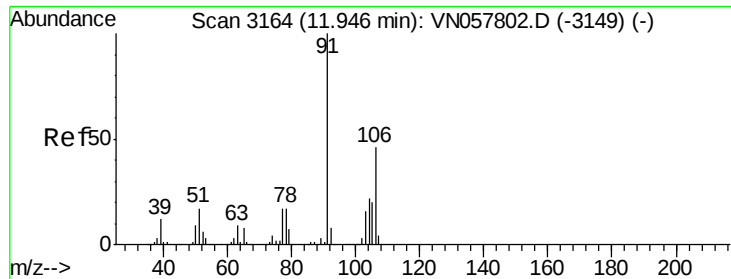
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#68
m/p-Xylenes
Concen: 108.201 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 106 Resp: 930409
Ion Ratio Lower Upper
106 100
91 209.2 165.8 248.6





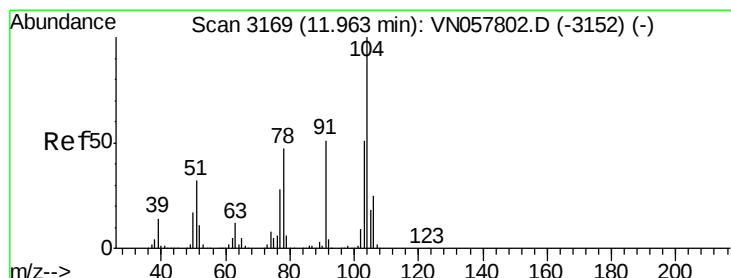
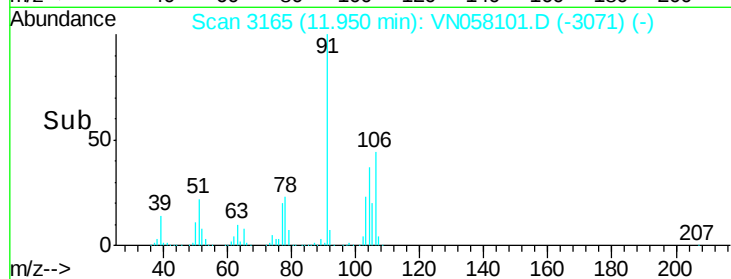
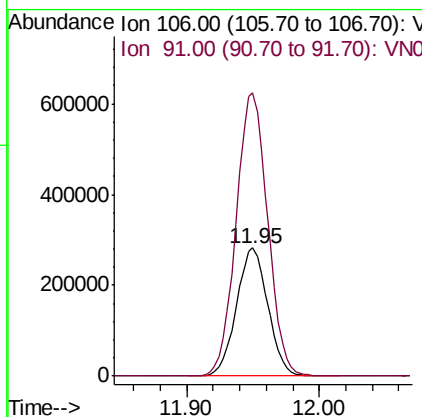
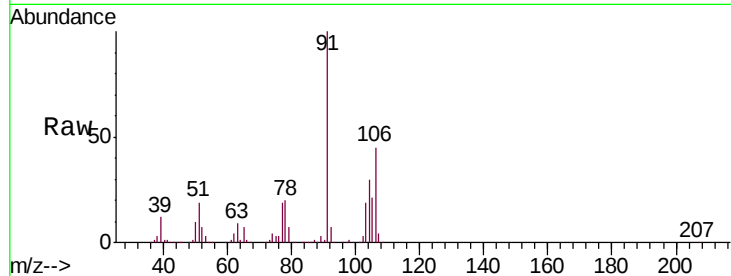
#69
o-Xylene
Concen: 54.328 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 464425
Ion Ratio Lower Upper
106 100
91 222.1 108.7 326.1

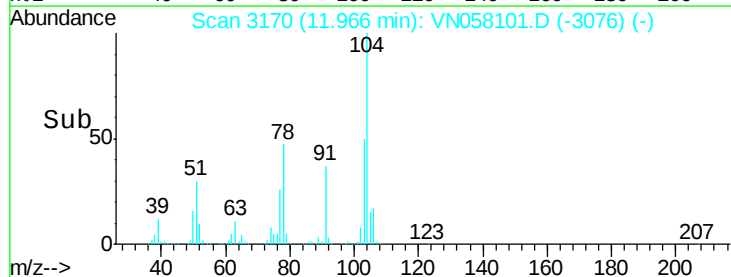
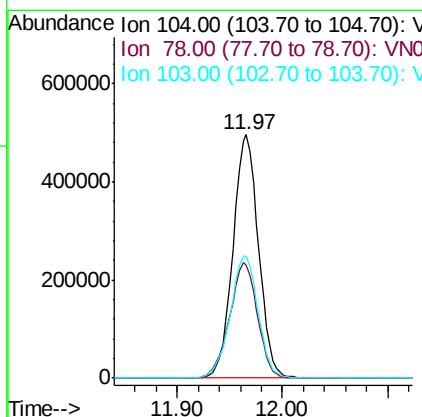
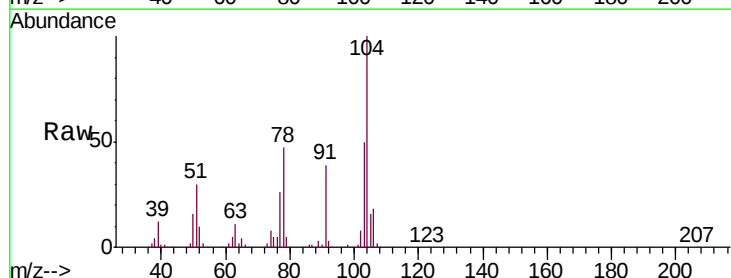
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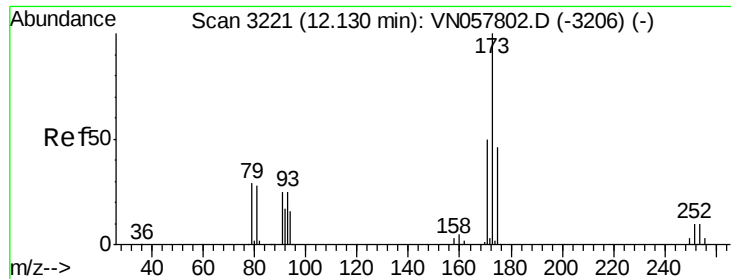
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#70
Styrene
Concen: 56.312 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion:104 Resp: 828461
Ion Ratio Lower Upper
104 100
78 52.1 41.3 61.9
103 54.9 43.7 65.5





#71

Bromoform

Concen: 58.683 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 170052

Ion Ratio Lower Upper

173 100

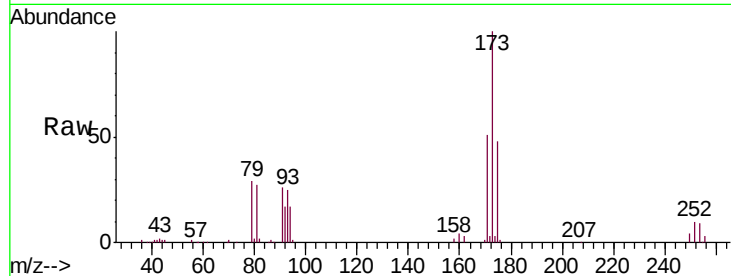
175 48.3 23.5 70.6

254 0.0 0.1 0.1#

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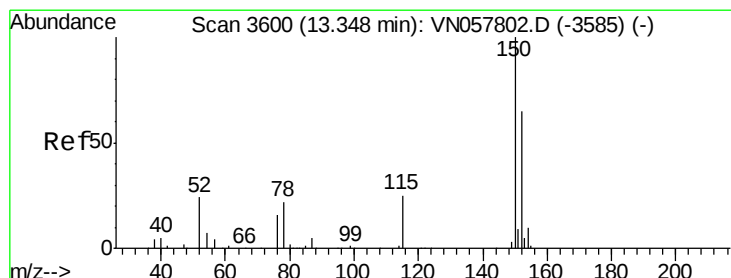
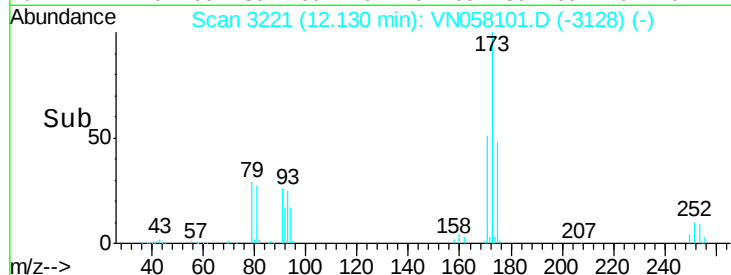
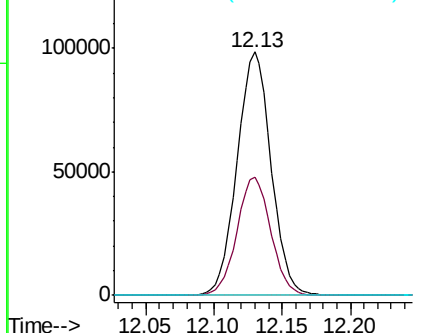
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058101.D

Acq: 15 Sep 2019 18:41

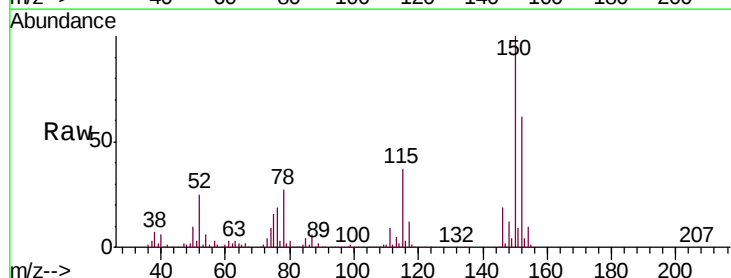
Tgt Ion:152 Resp: 320035

Ion Ratio Lower Upper

152 100

115 59.7 30.3 91.0

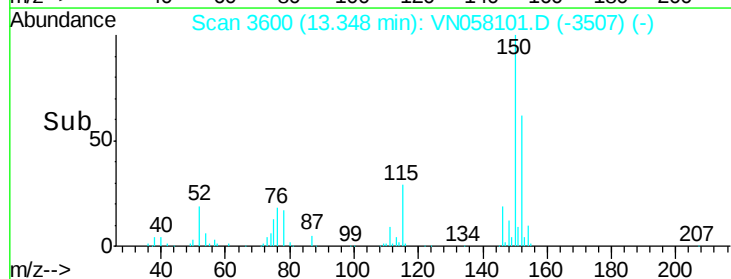
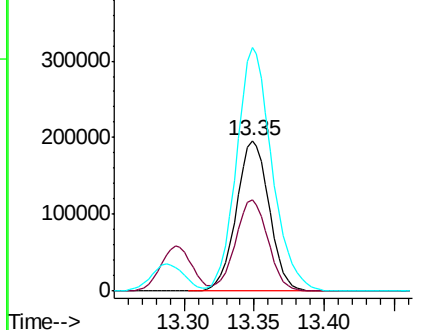
150 174.7 0.0 352.4

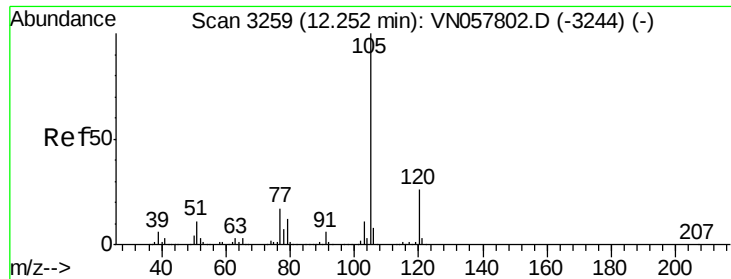


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.634 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 1307094

Ion Ratio Lower Upper

105 100

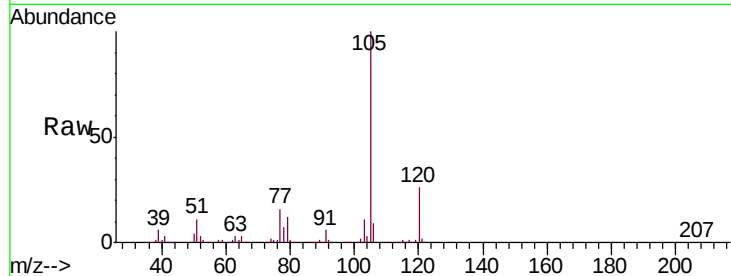
120 25.7 12.8 38.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

800000

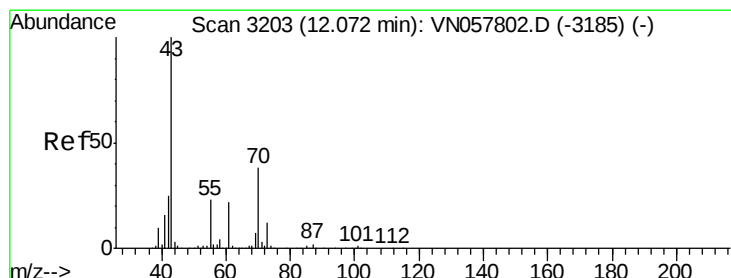
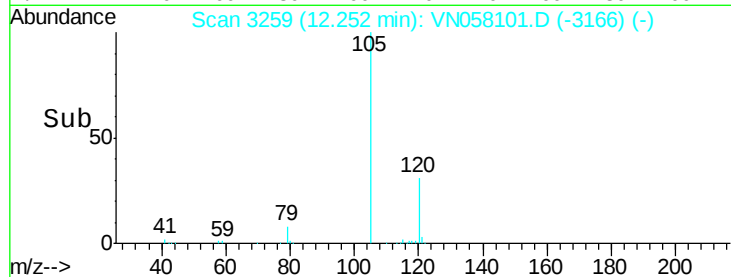
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 51.402 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion: 43 Resp: 555532

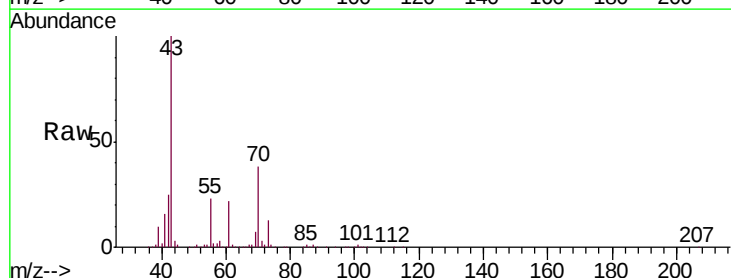
Ion Ratio Lower Upper

43 100

70 38.4 30.6 45.8

55 23.8 18.6 27.8

61 21.8 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

12.07

500000

400000

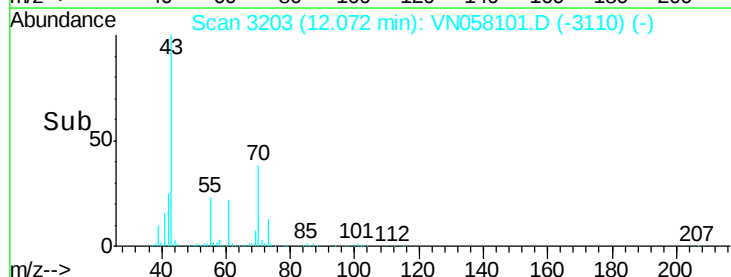
300000

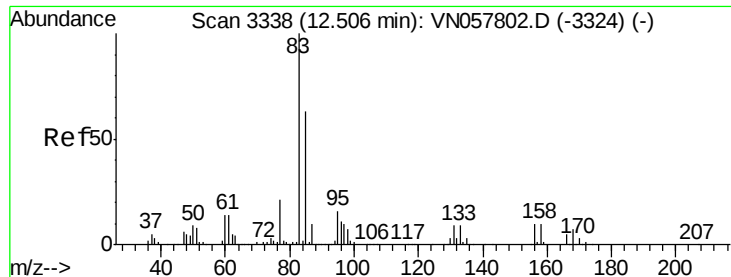
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 50.968 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

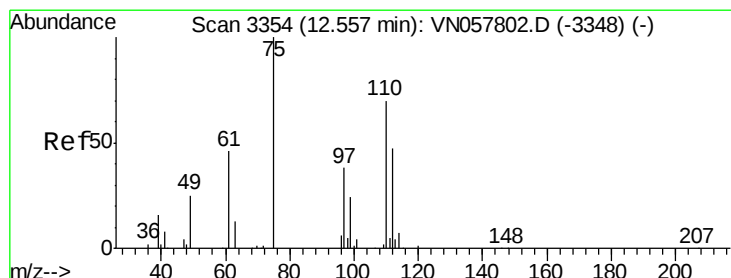
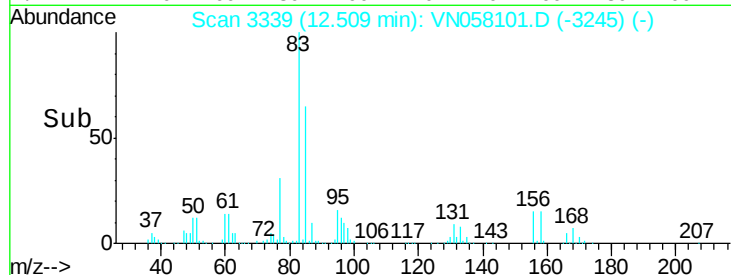
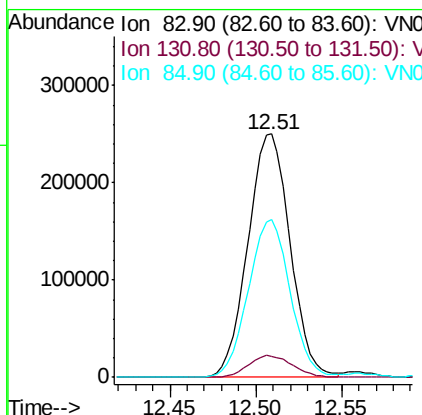
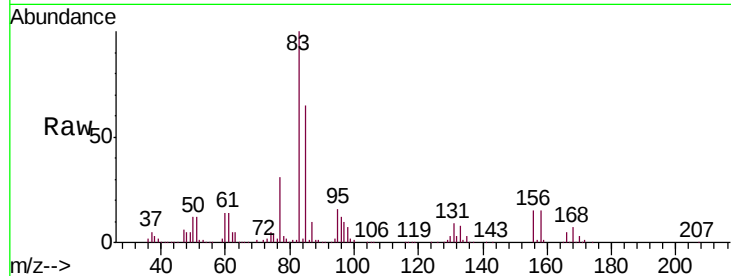
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	426165
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	64.2	31.6	94.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.766 ug/l m

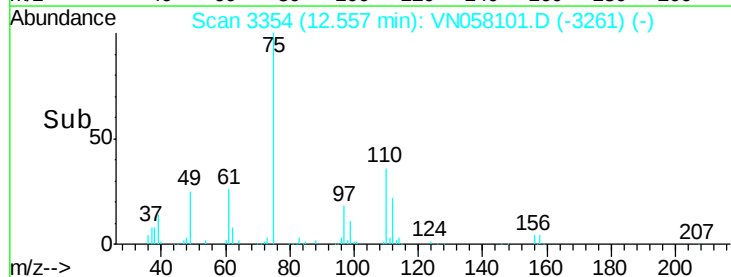
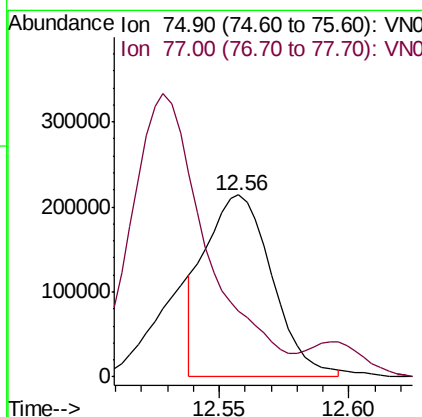
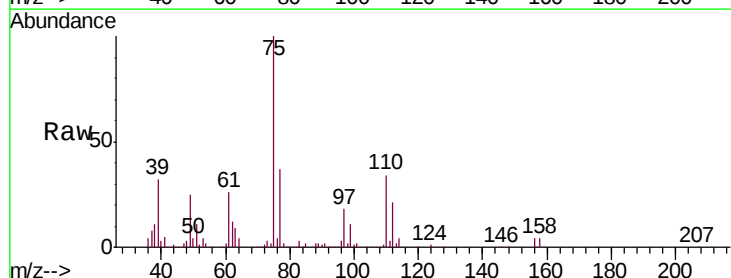
RT: 12.56 min Scan# 3354

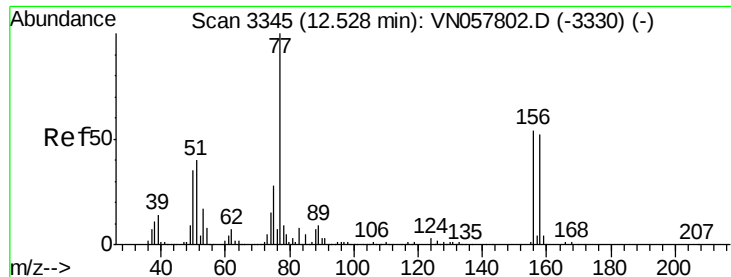
Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion:	75	Resp:	382015
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.421 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

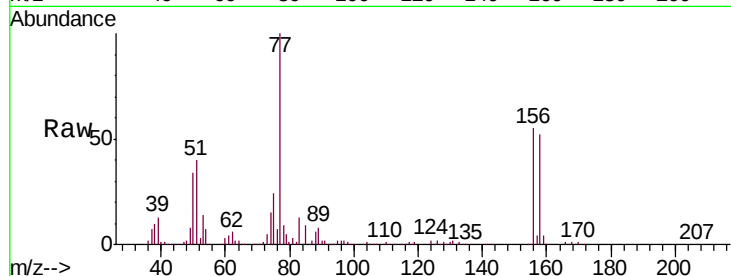
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	156	Resp:	305991
Ion Ratio	Lower	Upper	
156	100		
77	222.8	113.7	341.1
158	97.2	48.5	145.6

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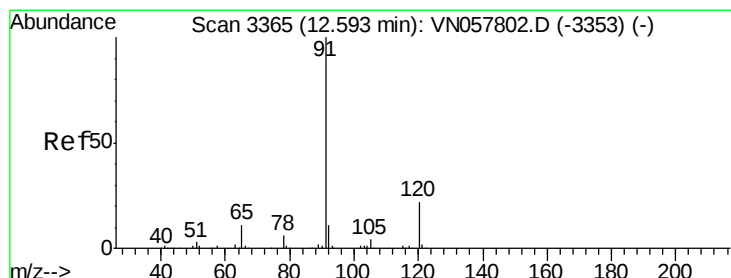
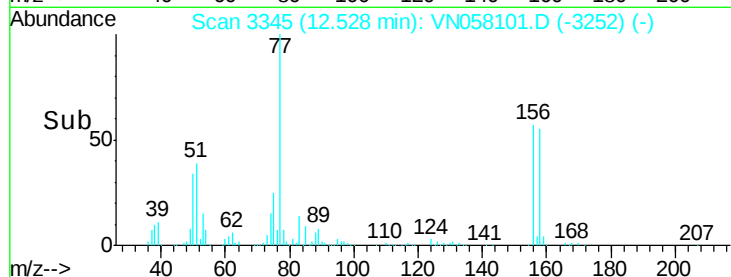
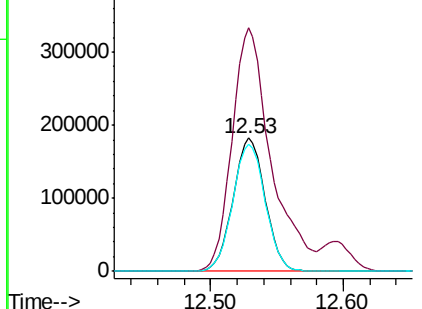
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.312 ug/l

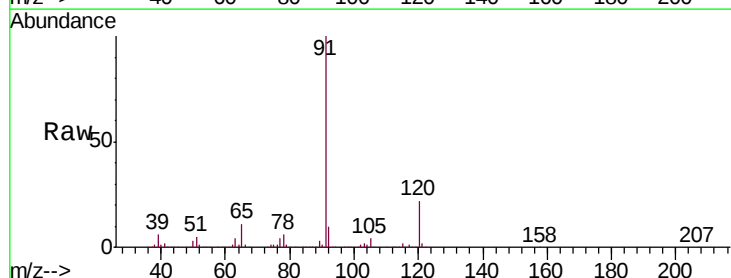
RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058101.D

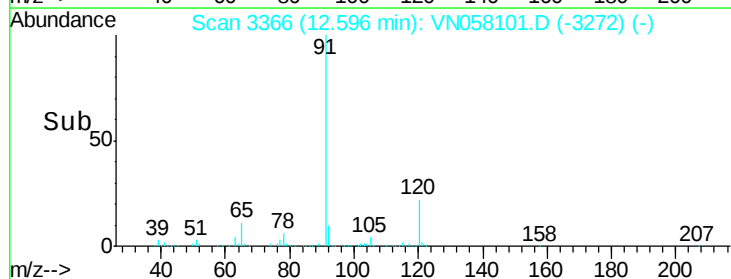
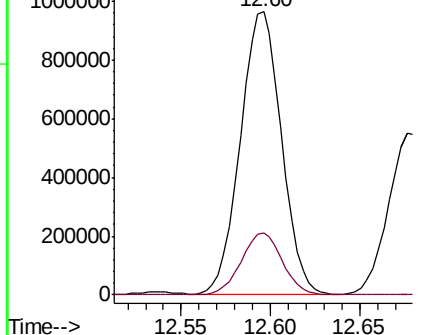
Acq: 15 Sep 2019 18:41

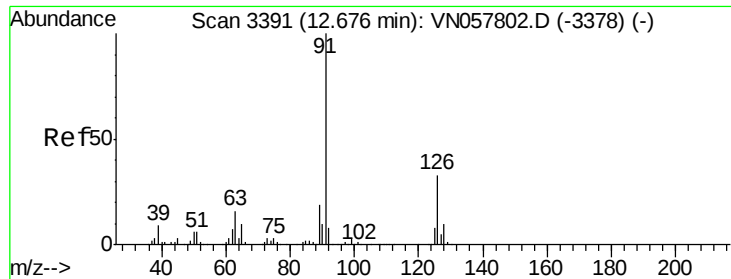
Tgt Ion:	91	Resp:	1548801
Ion Ratio	Lower	Upper	
91	100		
120	21.9	11.1	33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.748 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 914649

Ion Ratio Lower Upper

91 100

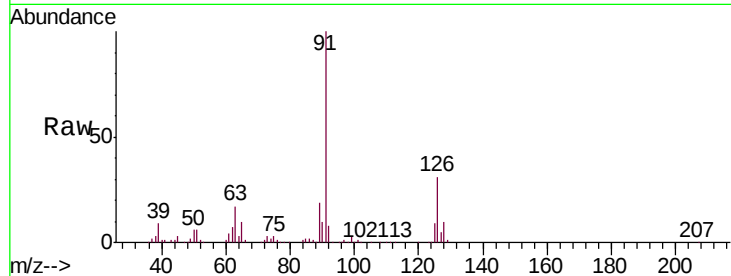
126 32.3 16.4 49.2

Manual Integrations

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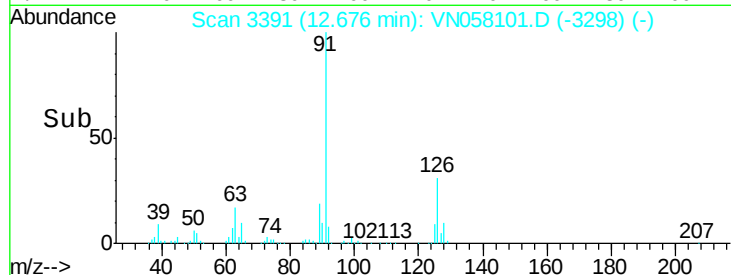
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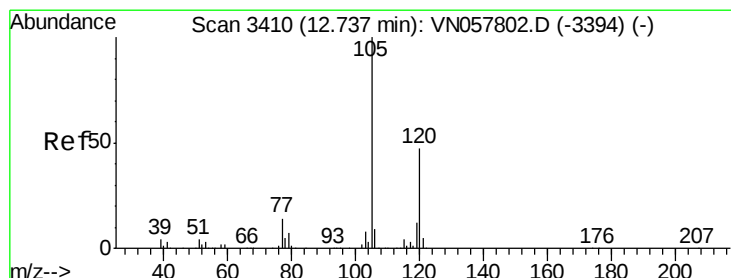


Abundance Ion 91.00 (90.70 to 91.70): VN058101.D (-3298) (-)

Ion 125.90 (125.60 to 126.60): VN058101.D (-3298) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.895 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058101.D

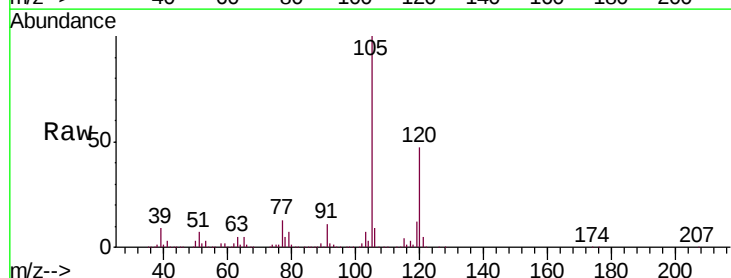
Acq: 15 Sep 2019 18:41

Tgt Ion: 105 Resp: 1130870

Ion Ratio Lower Upper

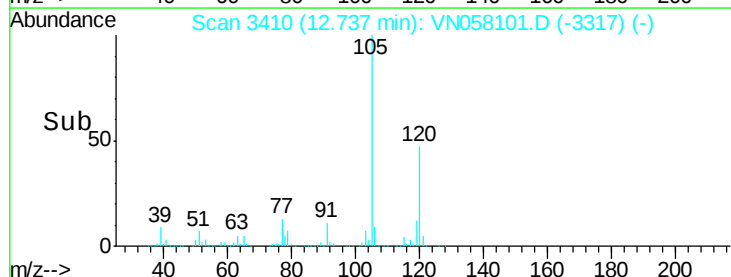
105 100

120 47.2 23.7 71.1

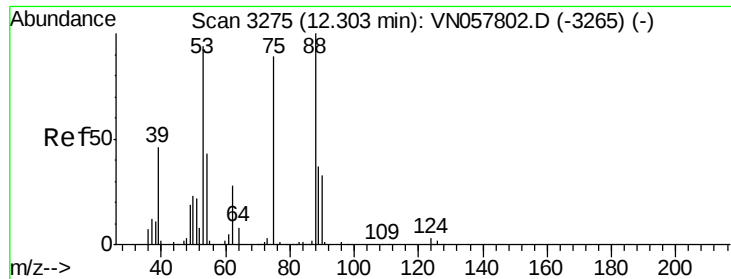


Abundance Ion 105.00 (104.70 to 105.70): VN058101.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058101.D (-3317) (-)



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 47.492 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

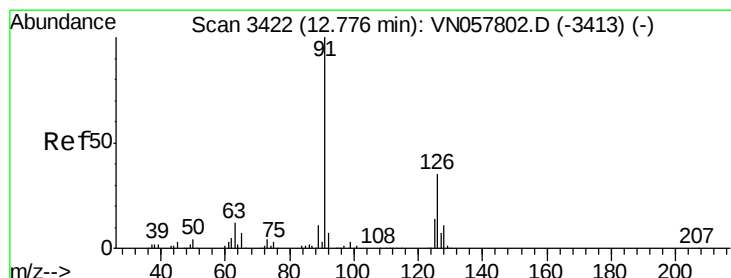
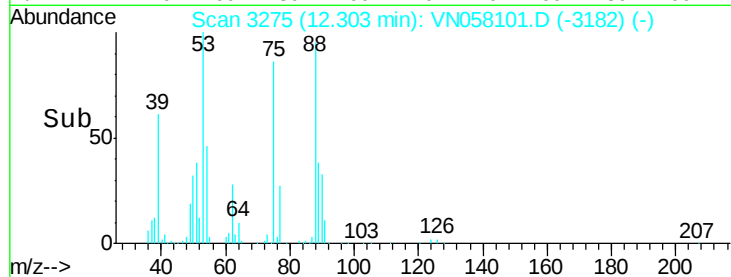
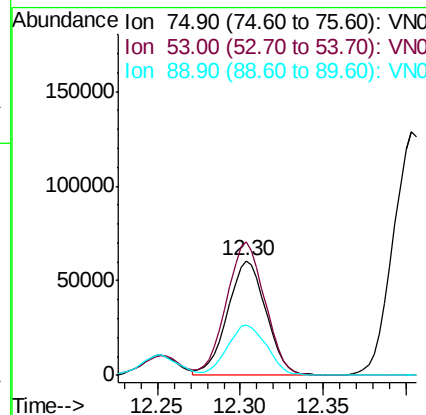
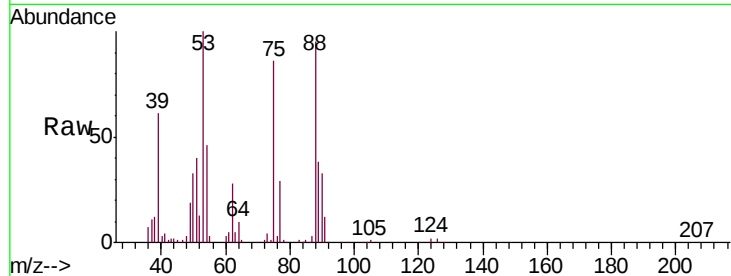
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	97707
Ion	Ratio	Lower	Upper
75	100		
53	116.1	88.4	132.6
89	45.0	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.537 ug/l

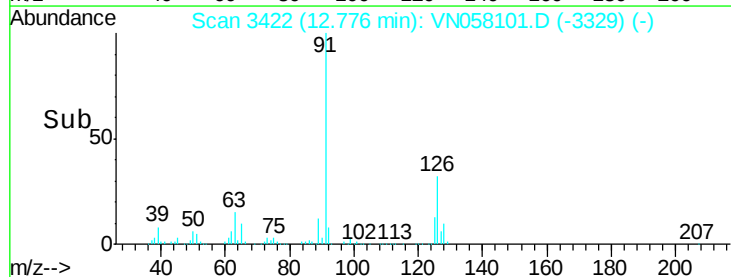
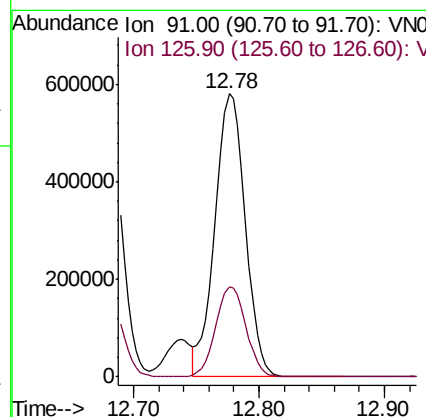
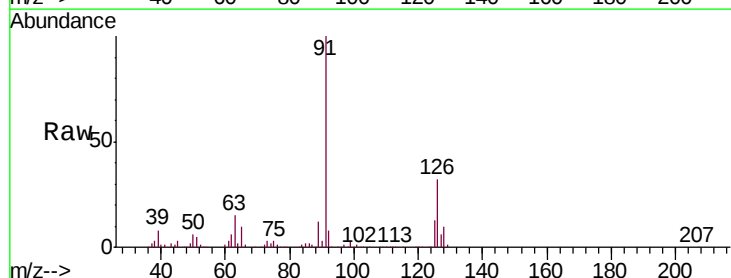
RT: 12.78 min Scan# 3422

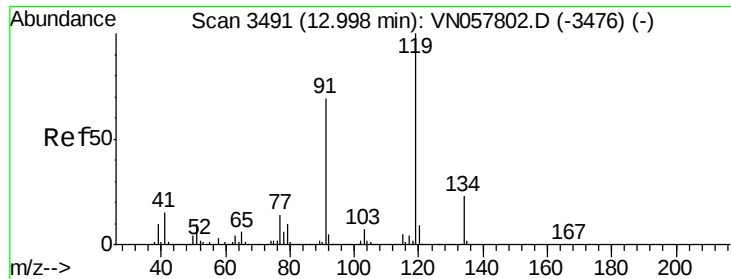
Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion:	91	Resp:	972403
Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.0	48.0





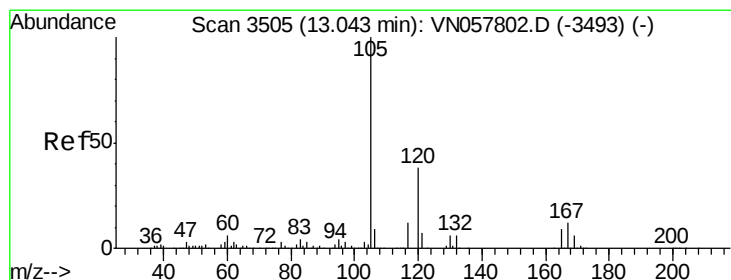
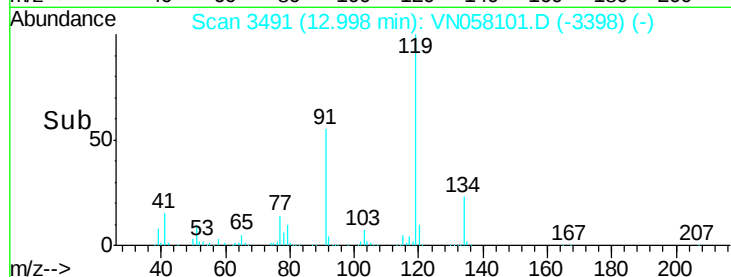
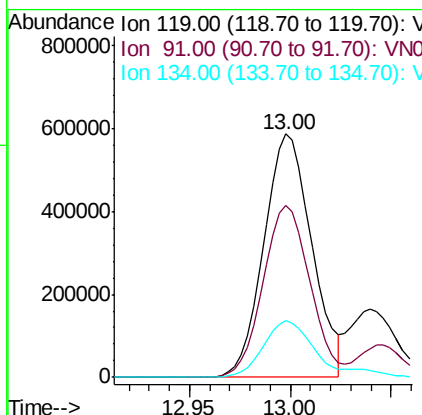
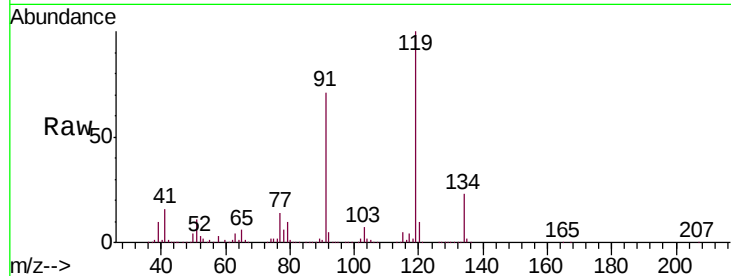
#83
 tert-Butylbenzene
 Concen: 51.952 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	968996		
91	69.4	33.6	100.8	
134	23.6	11.7	35.0	

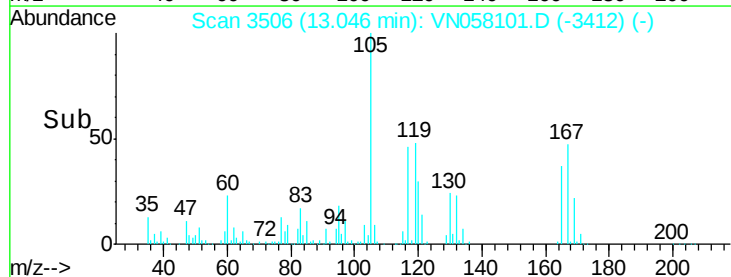
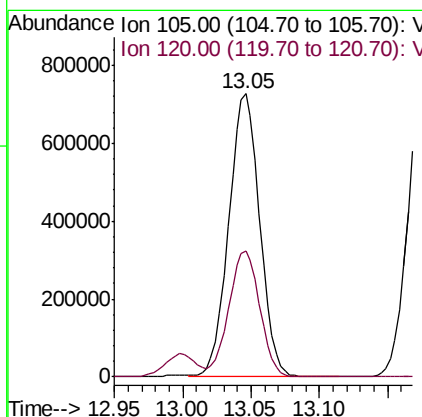
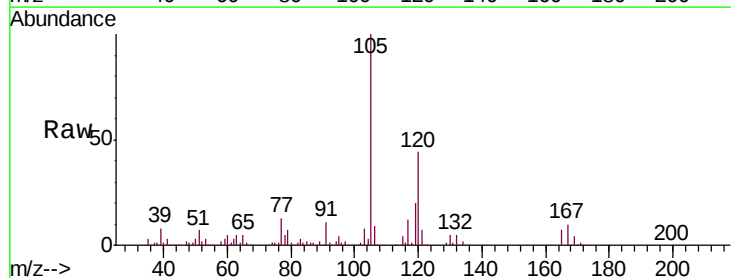
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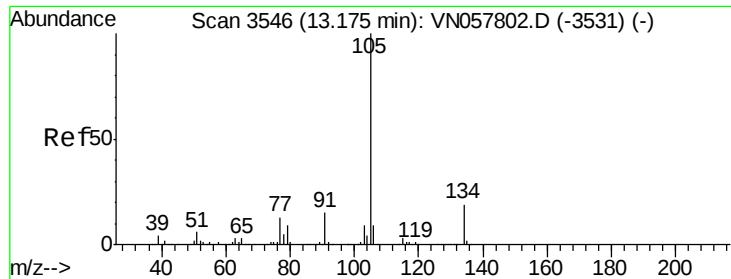
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.476 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1140438		
120	44.6	22.4	67.2	





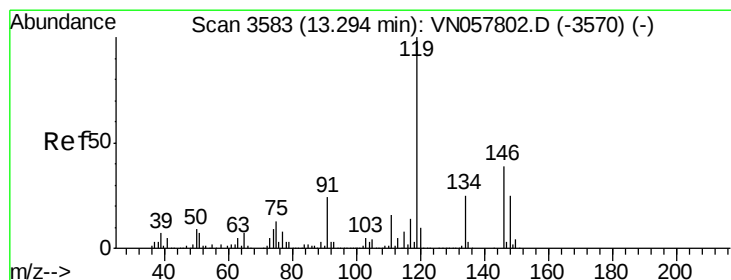
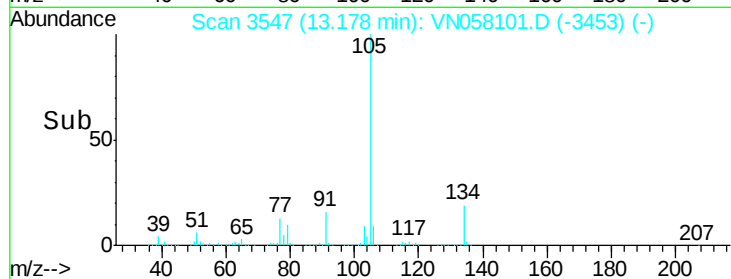
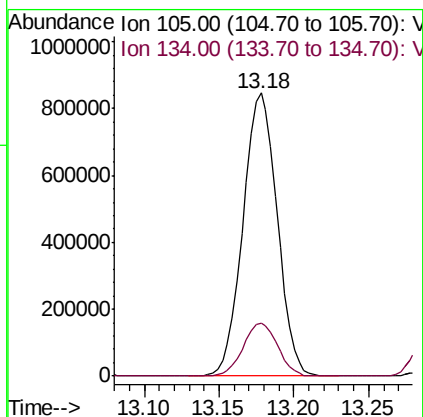
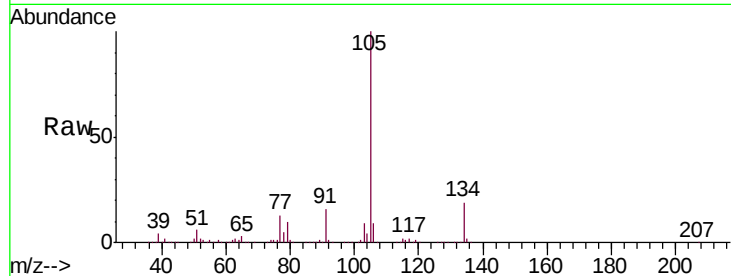
#85
 sec-Butylbenzene
 Concen: 54.429 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 1345587
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.6 28.6

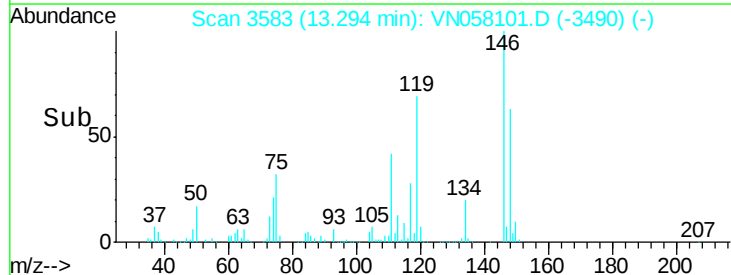
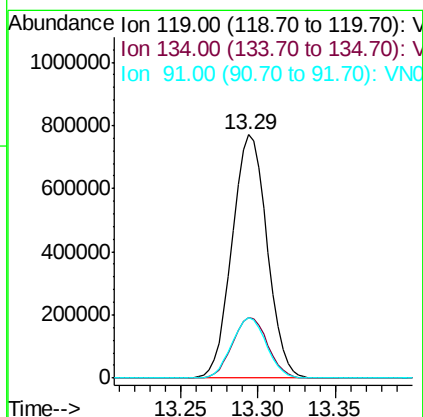
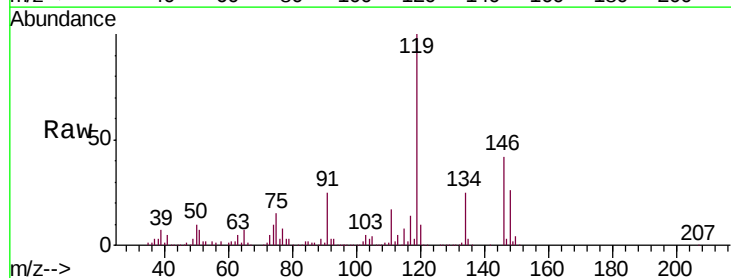
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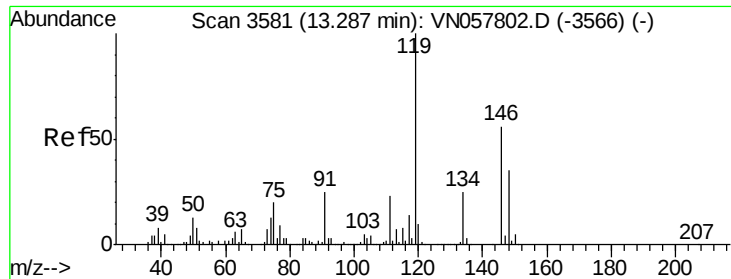
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#86
 p-Isopropyltoluene
 Concen: 55.299 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion:119 Resp: 1204556
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.5 37.5
 91 24.6 12.3 36.8





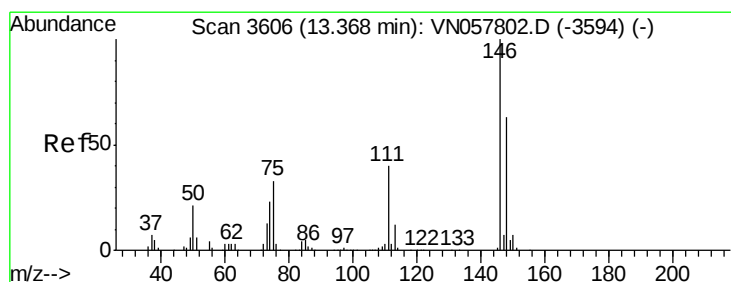
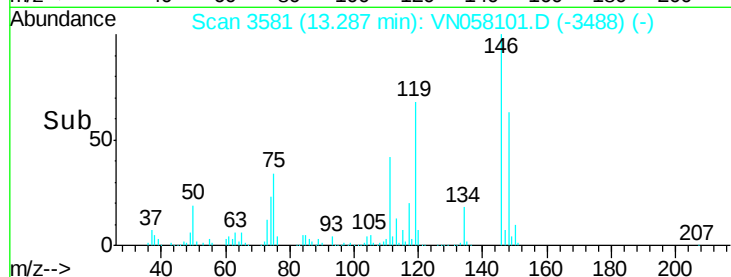
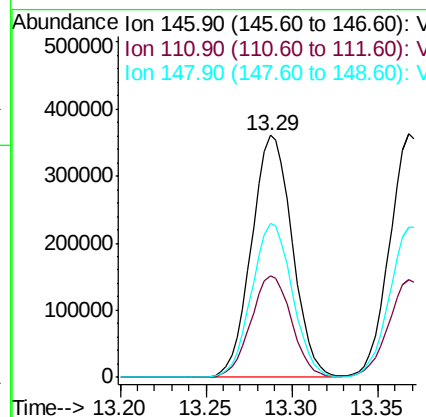
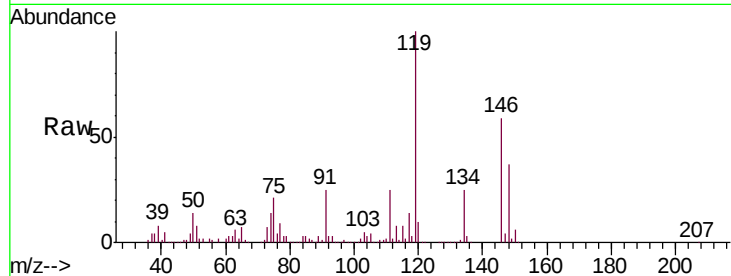
#87
 1,3-Dichlorobenzene
 Concen: 52.145 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.6
148	63.5	31.5	94.5

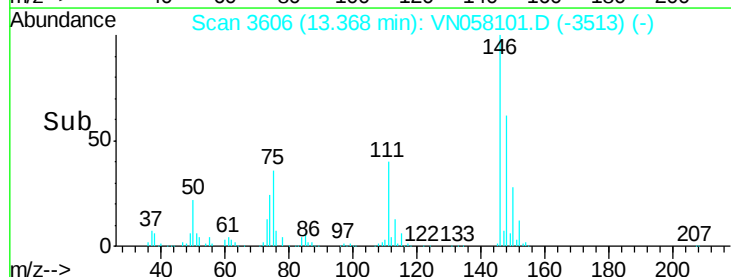
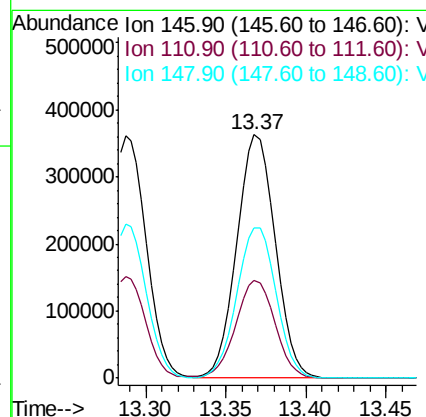
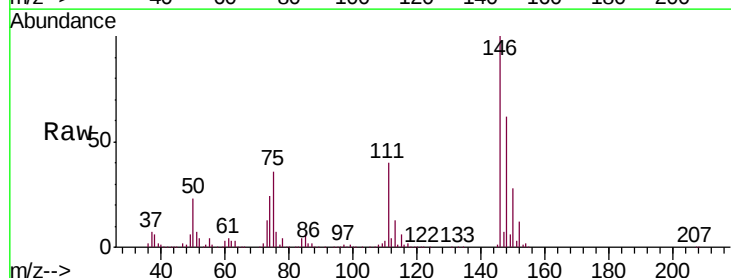
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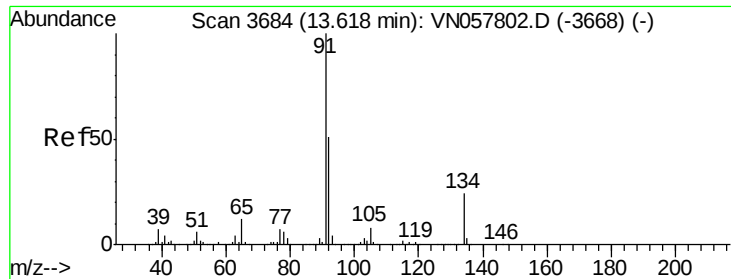
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#88
 1,4-Dichlorobenzene
 Concen: 51.378 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.4	61.2
148	63.1	31.8	95.4





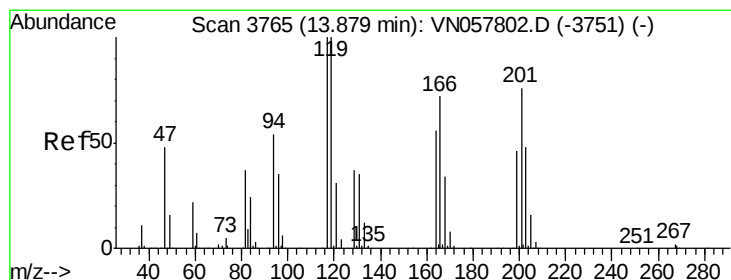
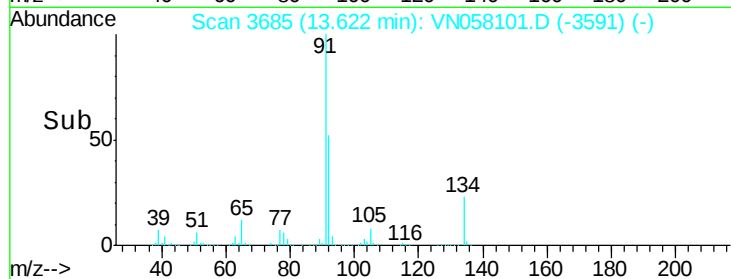
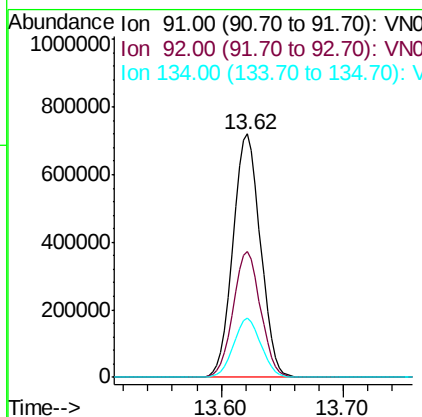
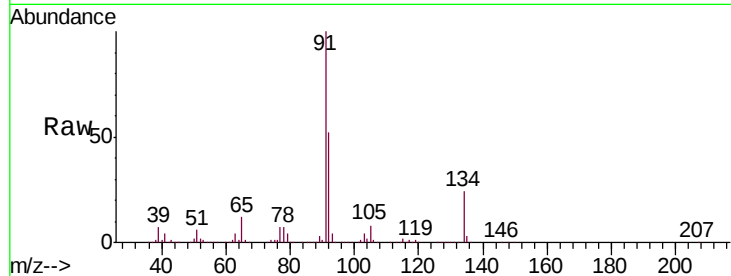
#89
n-Butylbenzene
Concen: 54.877 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 1128850
Ion Ratio Lower Upper
91 100
92 51.5 25.7 77.0
134 24.0 11.9 35.7

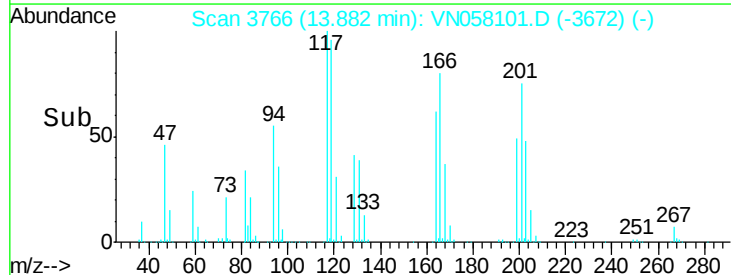
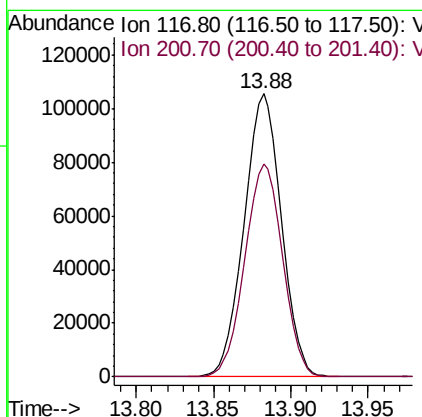
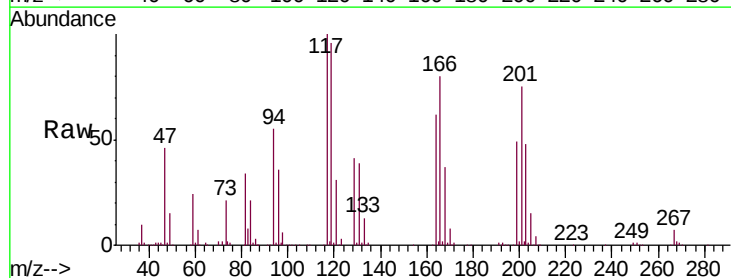
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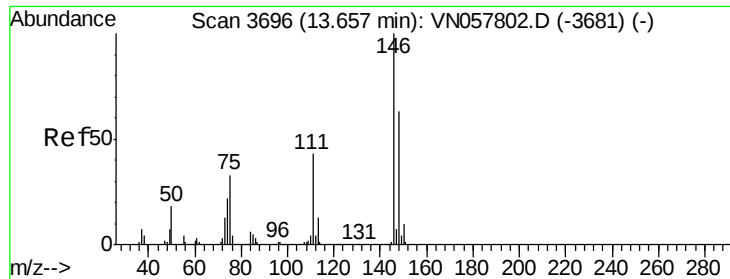
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#90
Hexachloroethane
Concen: 54.845 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058101.D
Acq: 15 Sep 2019 18:41

Tgt Ion: 117 Resp: 177671
Ion Ratio Lower Upper
117 100
201 75.9 37.5 112.7





#91

1,2-Dichlorobenzene

Concen: 52.138 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

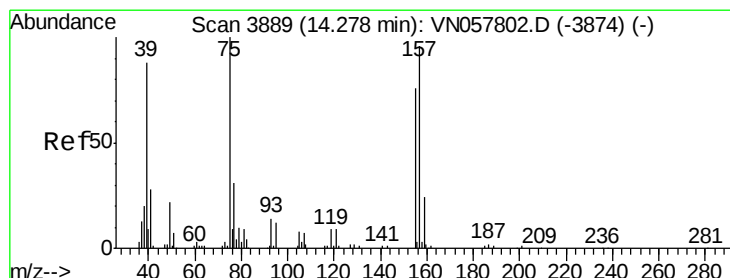
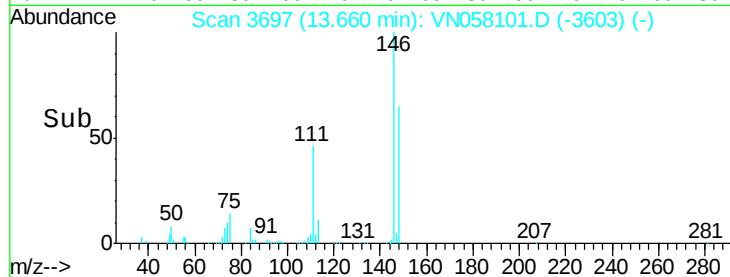
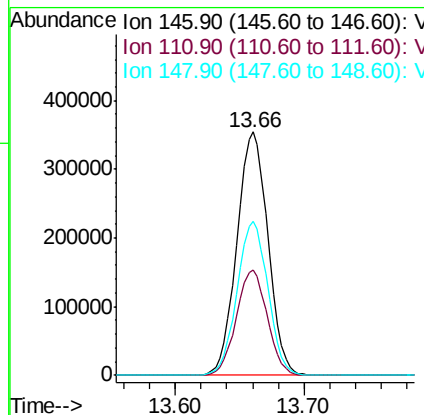
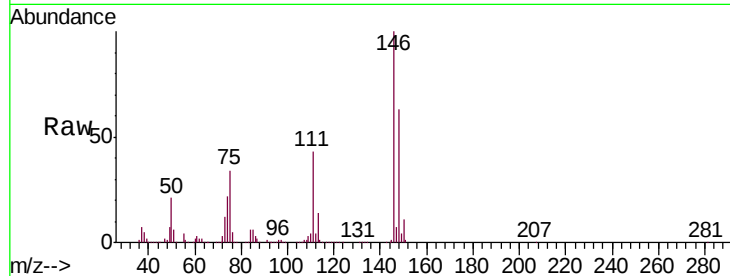
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	146	Resp:	591960
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.3	63.9
148	62.9	31.4	94.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 55.891 ug/l

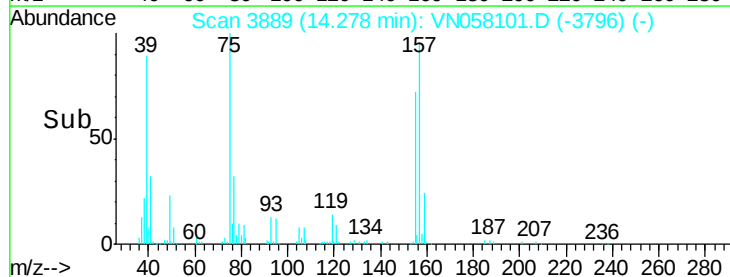
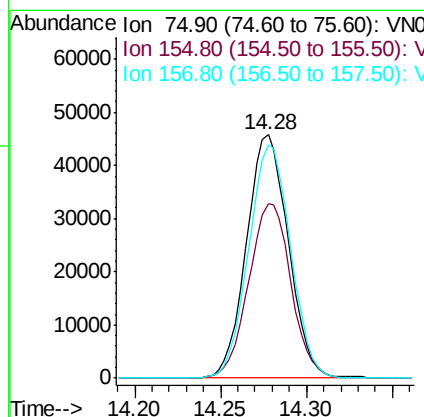
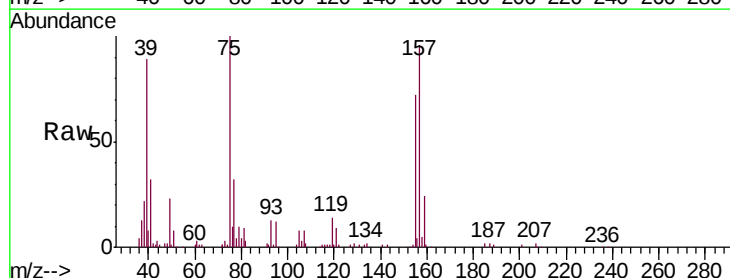
RT: 14.28 min Scan# 3889

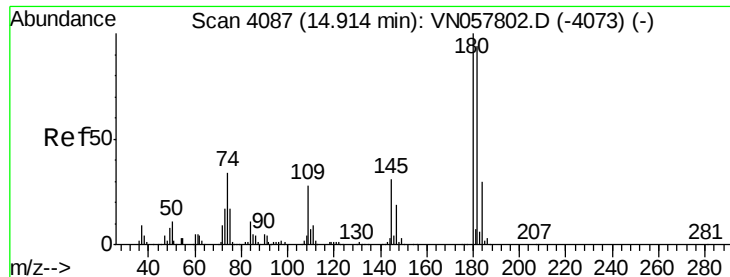
Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Tgt Ion:	75	Resp:	77177
Ion Ratio	Lower	Upper	
75	100		
155	72.4	37.3	111.8
157	96.2	47.9	143.8





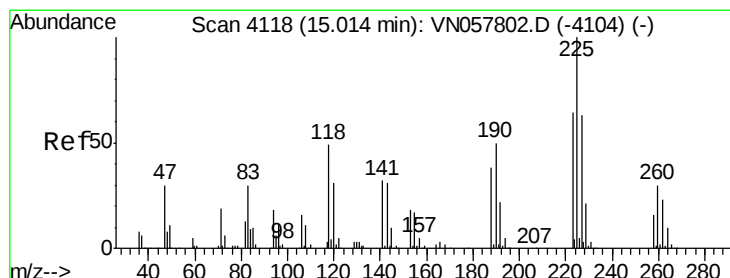
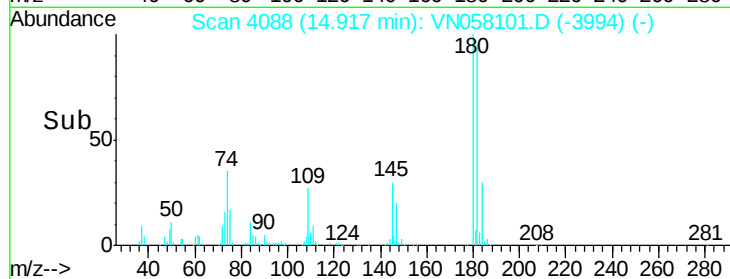
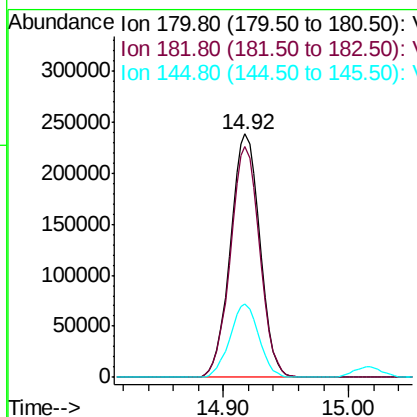
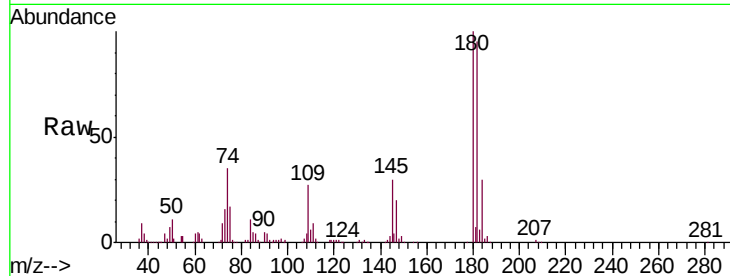
#93
 1,2,4-Trichlorobenzene
 Concen: 52.213 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	387472		
182	94.4	46.9	140.8	
145	29.9	14.9	44.7	

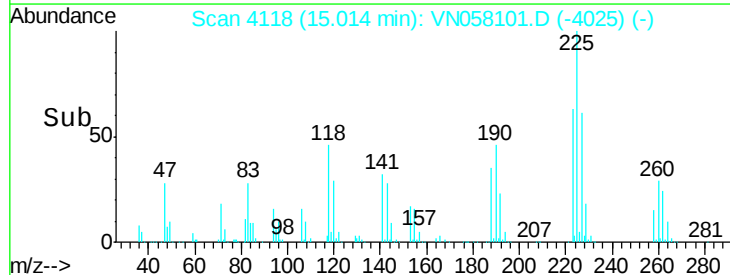
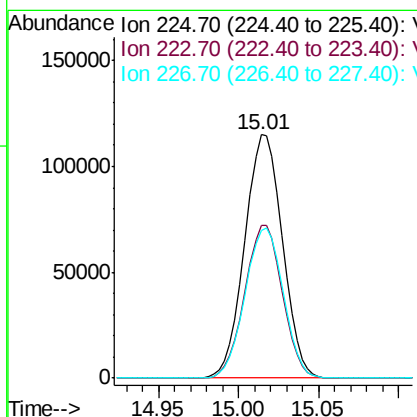
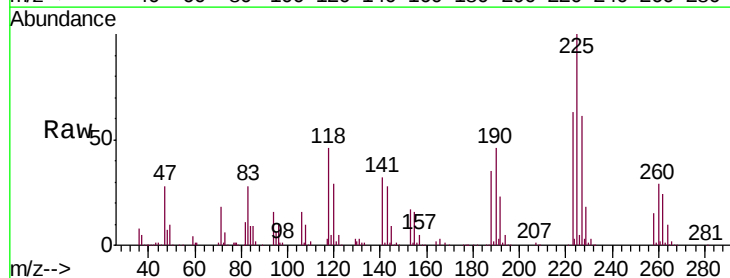
Manual Integrations
 APPROVED

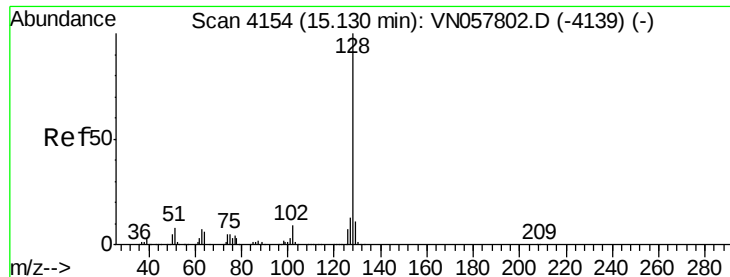
MMDadoda
 9/18/2019 1:56:20 PM



#94
 Hexachlorobutadiene
 Concen: 58.840 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058101.D
 Acq: 15 Sep 2019 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	185100		
223	62.6	32.4	97.2	
227	62.4	31.8	95.4	





#95

Naphthalene

Concen: 55.461 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tgt Ion:128 Resp: 1035836

Ion Ratio Lower Upper

128 100

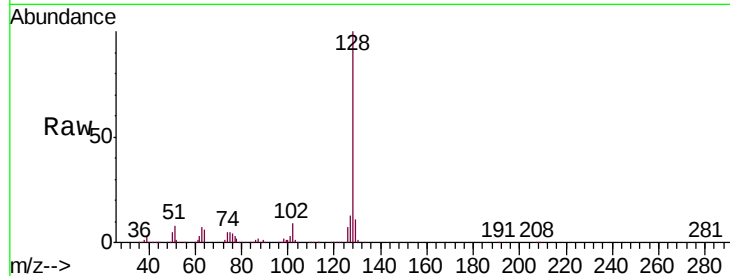
127 12.6 10.3 15.5

129 10.7 8.6 12.8

Manual Integrations
APPROVED

MMDadoda

9/18/2019 1:56:20 PM



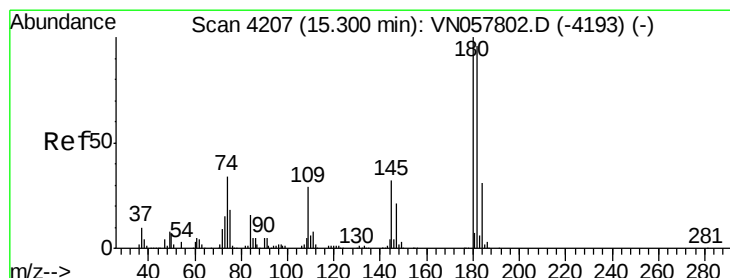
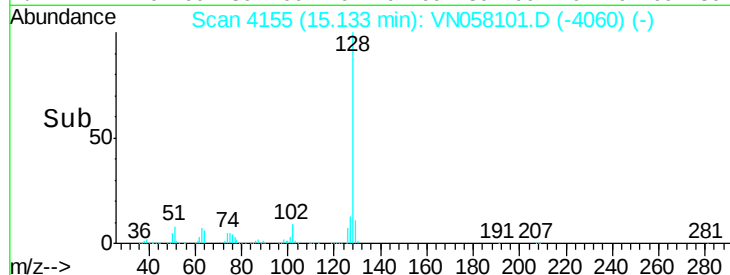
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

15.13

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 56.308 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058101.D

Acq: 15 Sep 2019 18:41

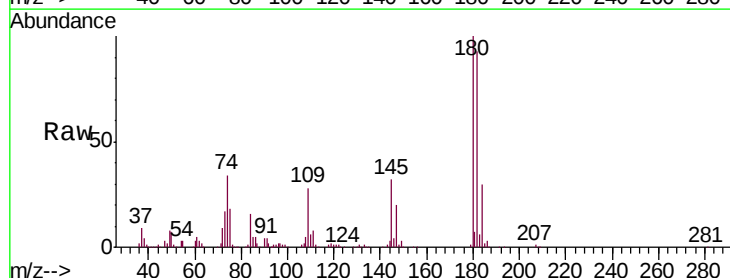
Tgt Ion:180 Resp: 365631

Ion Ratio Lower Upper

180 100

182 94.5 48.3 144.8

145 32.0 16.3 48.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

15.30

Time-->

