

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101019\
 Data File : VN058642.D
 Acq On : 9 Oct 2019 15:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 3:20:21 PM

Quant Time: Oct 10 04:49:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	444462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	713707	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	672592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	321047	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	265425	40.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.74%	
35) Dibromofluoromethane	7.57	113	197688	45.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.38%	
50) Toluene-d8	10.08	98	759066	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
62) 4-Bromofluorobenzene	12.41	95	294397	47.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	203698	41.797	ug/l	98
3) Chloromethane	2.04	50	257831	48.122	ug/l	99
4) Vinyl Chloride	2.17	62	258250	49.204	ug/l	99
5) Bromomethane	2.51	94	134519	48.252	ug/l	96
6) Chloroethane	2.66	64	163371	51.949	ug/l	98
7) Trichlorofluoromethane	2.99	101	323543	51.082	ug/l	99
8) Diethyl Ether	3.38	74	121591	44.493	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	190404	44.264	ug/l	98
10) Methyl Iodide	3.92	142	203194	42.601	ug/l	99
11) Tert butyl alcohol	4.76	59	182776	253.309	ug/l	99
12) 1,1-Dichloroethene	3.71	96	173579	41.399	ug/l	97
13) Acrolein	3.58	56	52053	226.814	ug/l	99
14) Allyl chloride	4.29	41	350791	45.974	ug/l	95
15) Acrylonitrile	4.96	53	503214	239.293	ug/l	100
16) Acetone	3.79	43	570458	257.646	ug/l	98
17) Carbon Disulfide	4.02	76	479253	43.362	ug/l	99
18) Methyl Acetate	4.29	43	261462	46.952	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	671038	45.359	ug/l	97
20) Methylene Chloride	4.52	84	222312	43.509	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	196618	42.170	ug/l	99
22) Diisopropyl ether	5.92	45	759510	46.256	ug/l	99
23) Vinyl Acetate	5.87	43	3014364	243.473	ug/l	99
24) 1,1-Dichloroethane	5.82	63	417941	45.227	ug/l	100
25) 2-Butanone	6.81	43	723078	237.862	ug/l	99
26) 2,2-Dichloropropane	6.80	77	372819	49.074	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	238246	43.720	ug/l	100
28) Bromochloromethane	7.17	49	168450	45.603	ug/l	98
29) Tetrahydrofuran	7.19	42	435742	225.843	ug/l	99
30) Chloroform	7.35	83	419507	44.799	ug/l	99
31) Cyclohexane	7.63	56	357960	39.822	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	358443	46.613	ug/l	98
36) 1,1-Dichloropropene	7.77	75	302553	44.334	ug/l	99
37) Ethyl Acetate	6.90	43	283018	48.915	ug/l	99
38) Carbon Tetrachloride	7.75	117	310072	50.336	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	342129	42.930	ug/l	98
40) Benzene	8.02	78	907637	46.269	ug/l	98
41) Methacrylonitrile	7.16	41	153165m	57.541	ug/l	
42) 1,2-Dichloroethane	8.11	62	350539	45.931	ug/l	100
43) Isopropyl Acetate	8.15	43	492902	45.302	ug/l	99
44) Trichloroethene	8.82	130	226198	46.699	ug/l	96
45) 1,2-Dichloropropane	9.11	63	251592	47.822	ug/l	99
46) Dibromomethane	9.20	93	156669	47.023	ug/l	99
47) Bromodichloromethane	9.39	83	328615	52.057	ug/l	99
48) Methyl methacrylate	9.19	41	226862	45.791	ug/l	97
49) 1,4-Dioxane	9.19	88	82267	1241.849	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1472161	263.411	ug/l	99
52) Toluene	10.15	92	570780	46.227	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	374396	54.491	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	401168	52.599	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	224174	49.862	ug/l	98
56) Ethyl methacrylate	10.43	69	341619	50.076	ug/l	96
57) 1,3-Dichloropropane	10.71	76	397793	49.604	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	803430	295.350	ug/l	100
59) 2-Hexanone	10.75	43	1091113	268.119	ug/l	99
60) Dibromochloromethane	10.90	129	246196	52.913	ug/l	99
61) 1,2-Dibromoethane	11.00	107	224379	48.843	ug/l	98
64) Tetrachloroethene	10.63	164	204383	47.829	ug/l	99
65) Chlorobenzene	11.43	112	614955	45.997	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	235779	52.343	ug/l	99
67) Ethyl Benzene	11.51	91	1137385	46.968	ug/l	100
68) m/p-Xylenes	11.62	106	842847	92.508	ug/l	99
69) o-Xylene	11.95	106	406688	46.369	ug/l	100
70) Styrene	11.97	104	680565	47.764	ug/l	99
71) Bromoform	12.13	173	167370	53.714	ug/l #	99
73) Isopropylbenzene	12.25	105	1113966	46.951	ug/l	100
74) N-amyl acetate	12.07	43	440972	46.718	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	332452	47.386	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	299139m	51.013	ug/l	
77) Bromobenzene	12.53	156	264670	47.575	ug/l	99
78) n-propylbenzene	12.60	91	1313776	49.150	ug/l	99
79) 2-Chlorotoluene	12.68	91	786023	47.641	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	960229	48.347	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	107792	55.829	ug/l	95
82) 4-Chlorotoluene	12.78	91	803563	47.731	ug/l	100
83) tert-Butylbenzene	13.00	119	800165	47.745	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	967829	48.637	ug/l	98
85) sec-Butylbenzene	13.18	105	1083710	49.129	ug/l	99
86) p-Isopropyltoluene	13.29	119	988062	50.887	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	488080	48.384	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	474755	47.303	ug/l	99
89) n-Butylbenzene	13.62	91	873232	49.648	ug/l	100
90) Hexachloroethane	13.88	117	168647	57.809	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	474549	48.960	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	63626	51.427	ug/l	96

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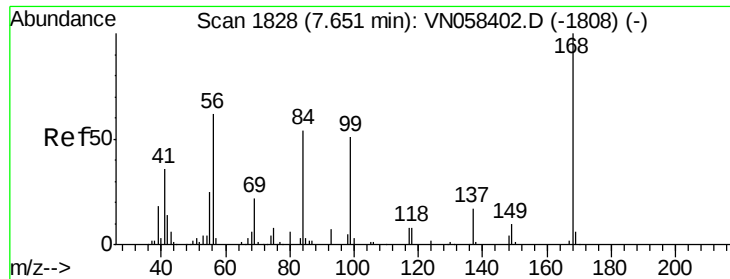
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	266716	49.797	ug/l	99
94) Hexachlorobutadiene	15.02	225	136704	49.657	ug/l	99
95) Naphthalene	15.13	128	714183	45.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	256316	47.732	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 444462

Ion Ratio Lower Upper

168 100

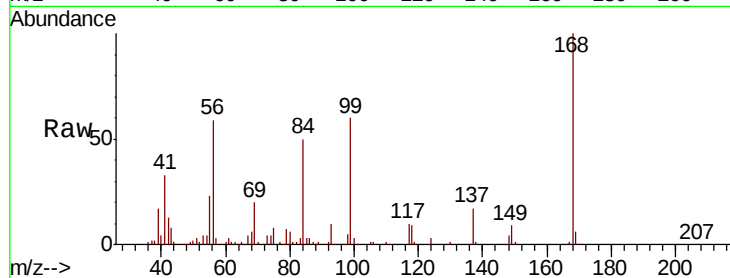
99 60.0 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

200000

150000

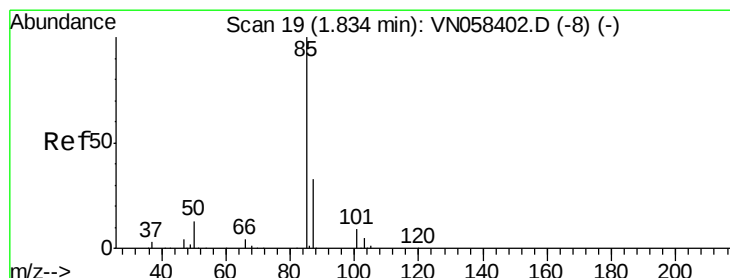
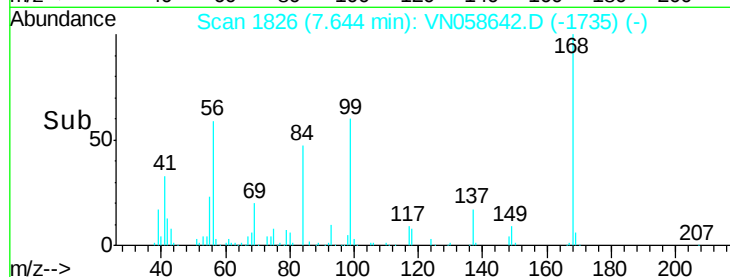
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.797 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058642.D

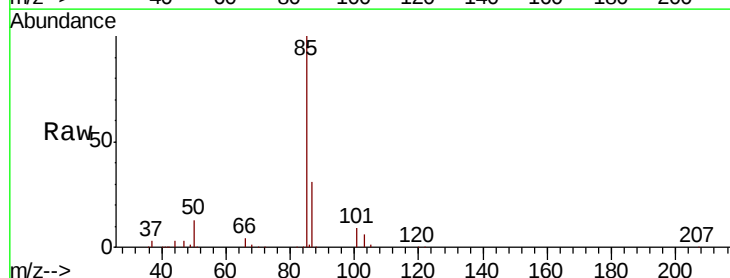
Acq: 9 Oct 2019 15:44

Tgt Ion: 85 Resp: 203698

Ion Ratio Lower Upper

85 100

87 31.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

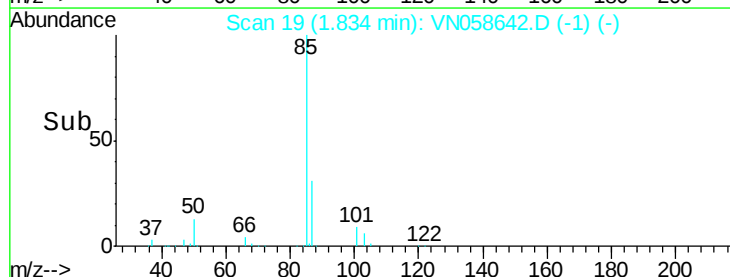
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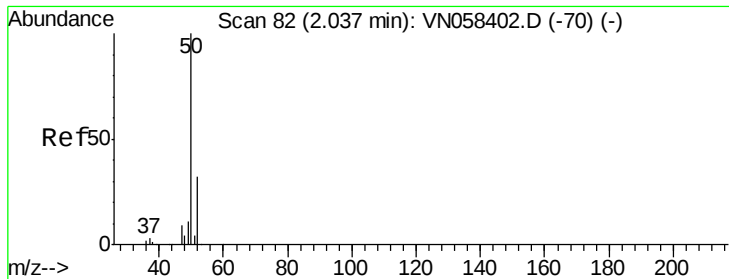
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.122 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 257831

Ion Ratio Lower Upper

50 100

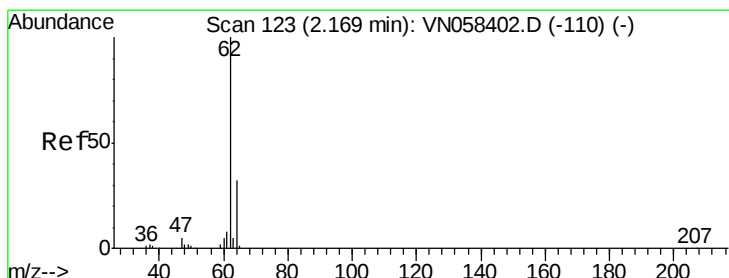
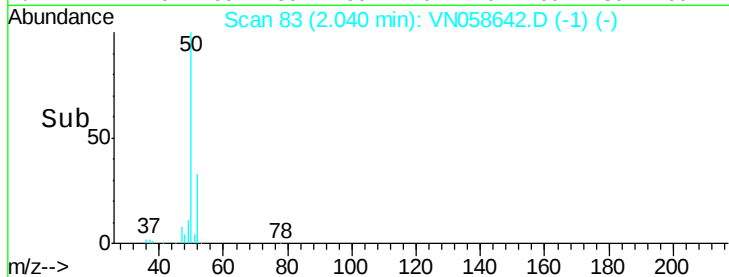
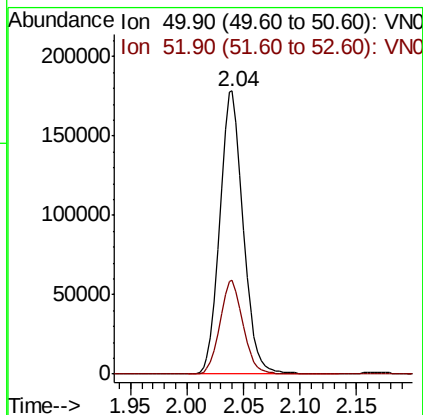
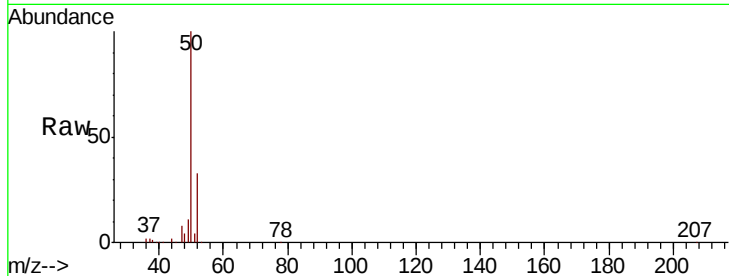
52 33.0 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.204 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058642.D

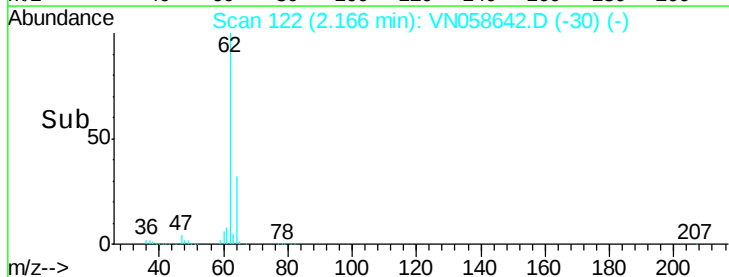
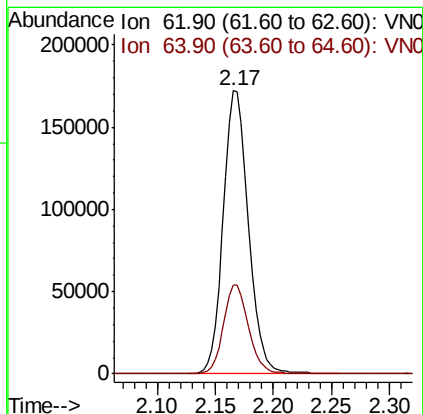
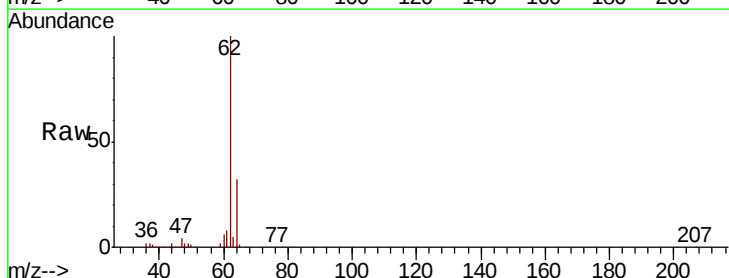
Acq: 9 Oct 2019 15:44

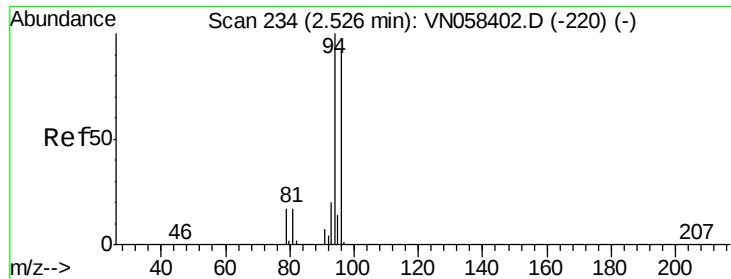
Tgt Ion: 62 Resp: 258250

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3





#5

Bromomethane

Concen: 48.252 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.02 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

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VSTDCCC050

Tot Ion: 94 Resp: 134519

Ion Ratio Lower Upper

94 100

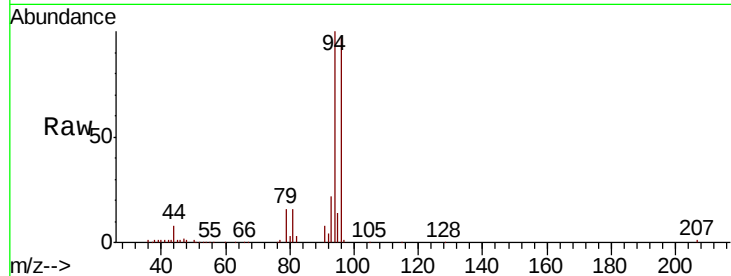
96 97.3 74.8 112.2

Manual Integrations

APPROVED

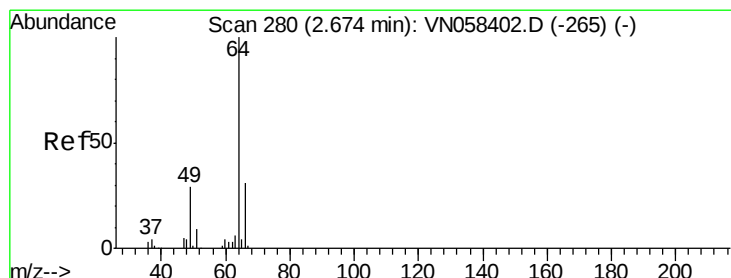
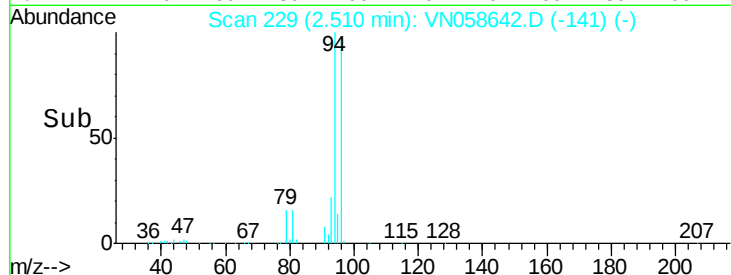
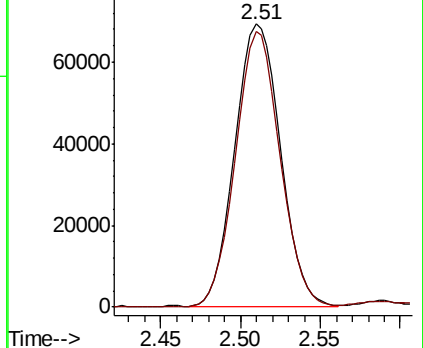
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 51.949 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.01 min

Lab File: VN058642.D

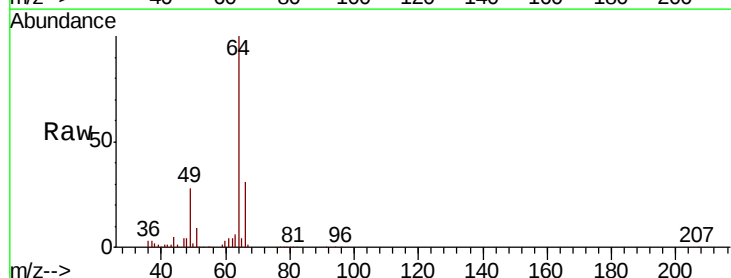
Acq: 9 Oct 2019 15:44

Tgt Ion: 64 Resp: 163371

Ion Ratio Lower Upper

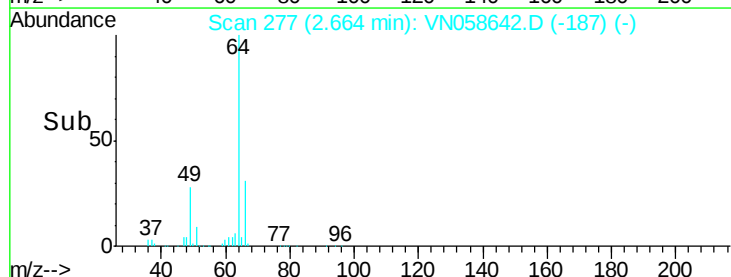
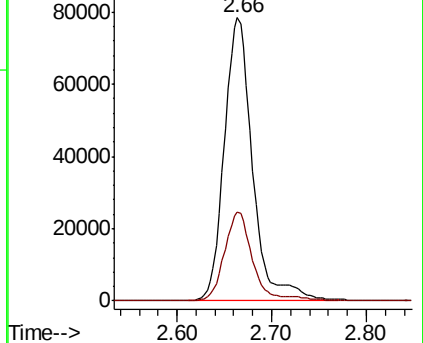
64 100

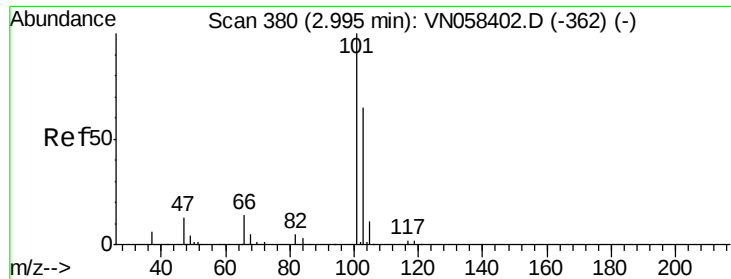
66 31.4 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

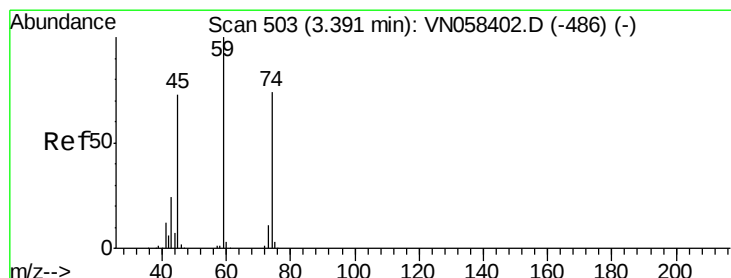
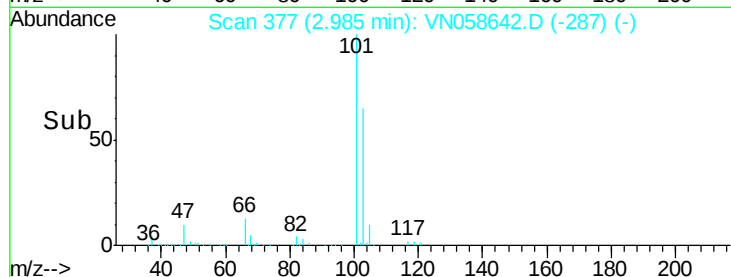
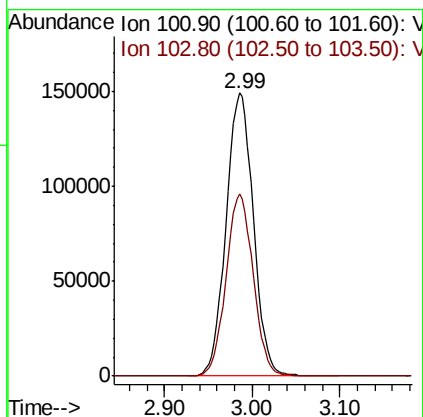
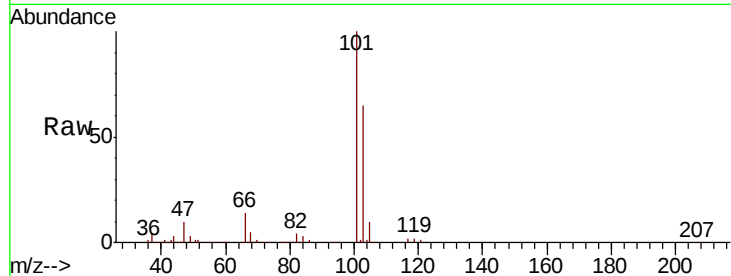
Trichlorofluoromethane
 Concen: 51.082 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.3	78.5

Manual Integrations
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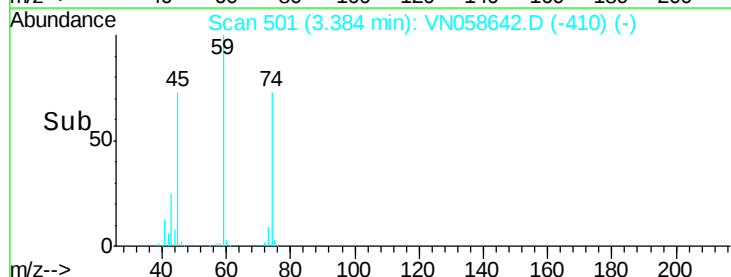
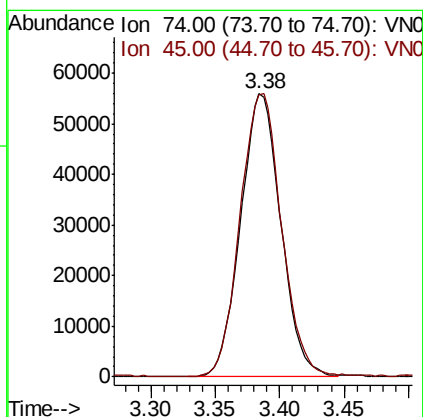
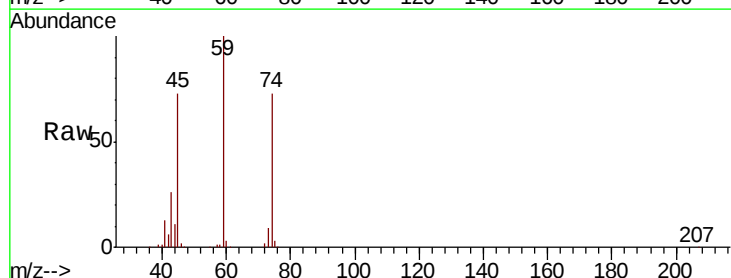
MMDadoda
 10/10/2019 3:20:21 PM

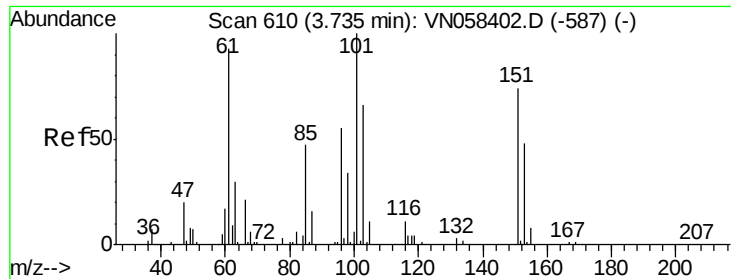


#8

Diethyl Ether
 Concen: 44.493 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.264 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

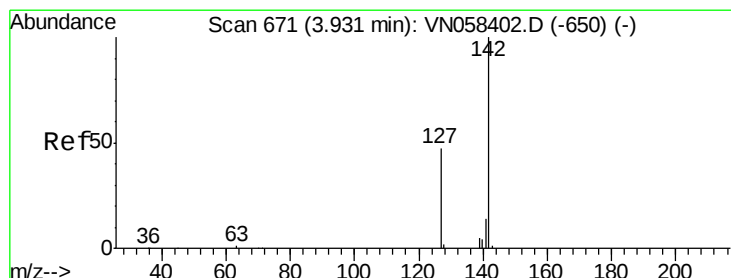
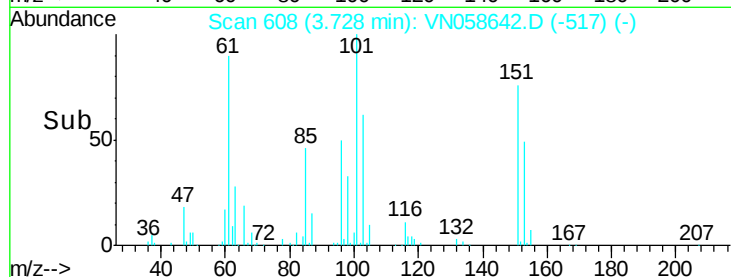
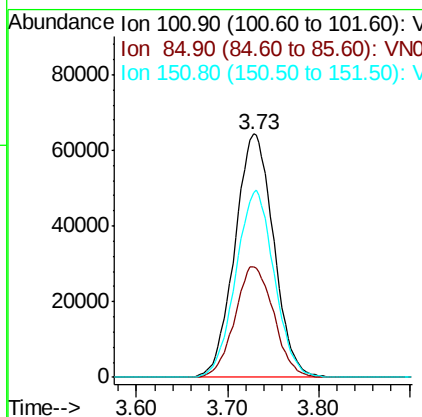
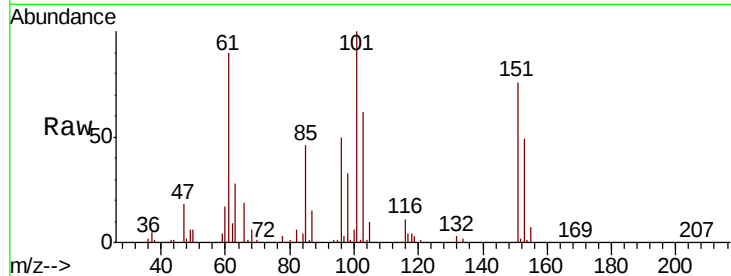
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	190404
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.7	55.1
151	76.3	59.4	89.0

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#10

Methyl Iodide

Concen: 42.601 ug/l

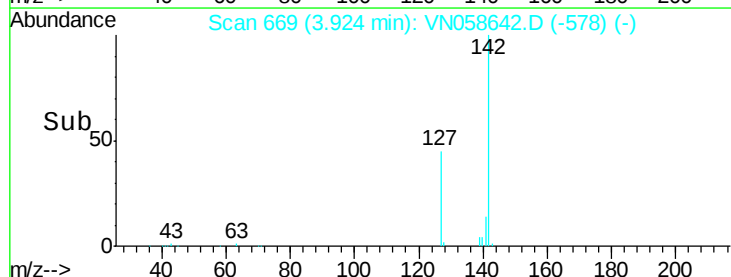
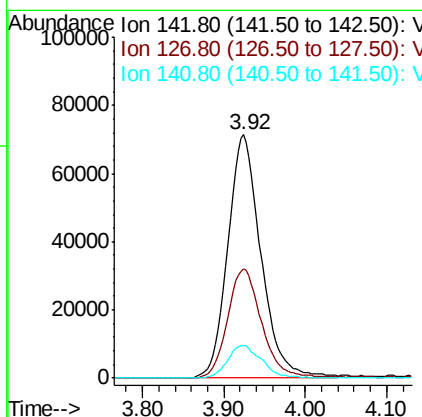
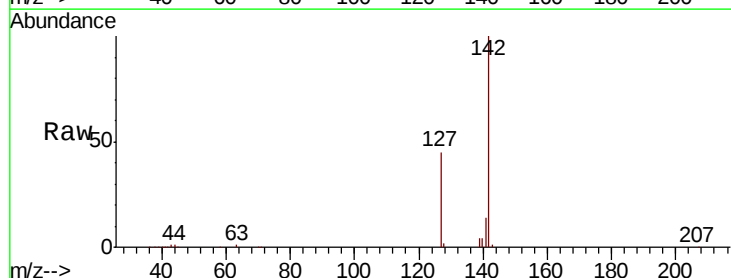
RT: 3.92 min Scan# 669

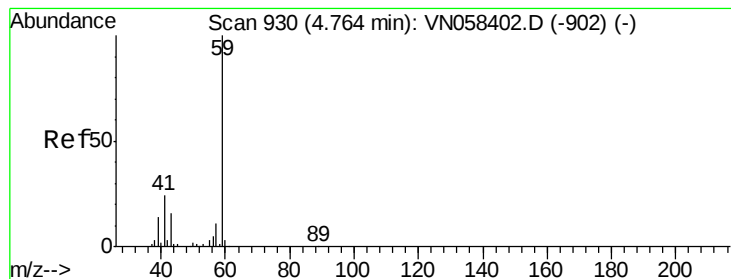
Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion:	142	Resp:	203194
Ion Ratio	Lower	Upper	
142	100		
127	46.0	37.2	55.8
141	13.8	11.3	16.9





#11

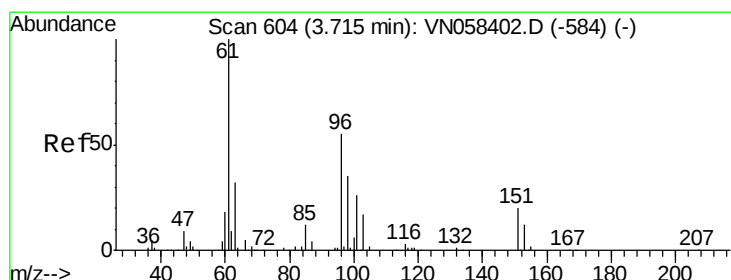
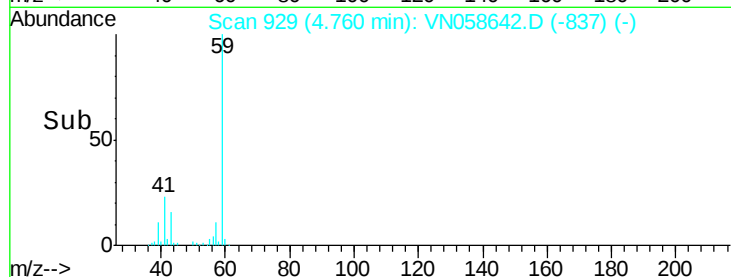
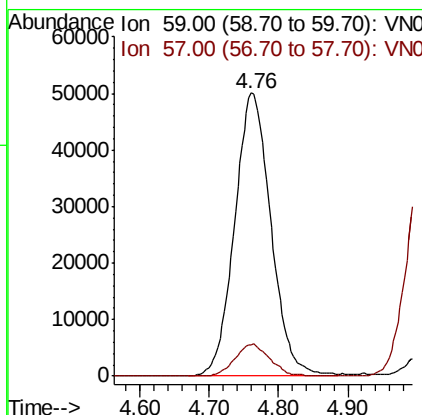
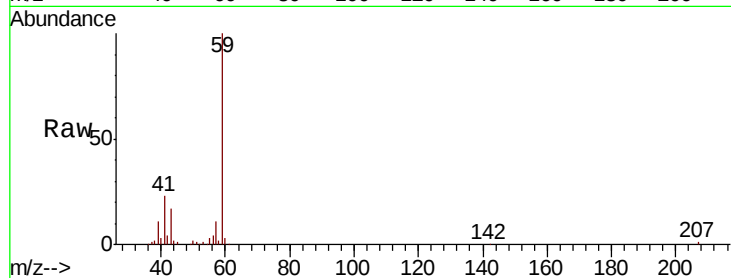
Tert butyl alcohol
 Concen: 253.309 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	182776
Ion Ratio	100	Lower	Upper
57	10.9	9.0	13.4

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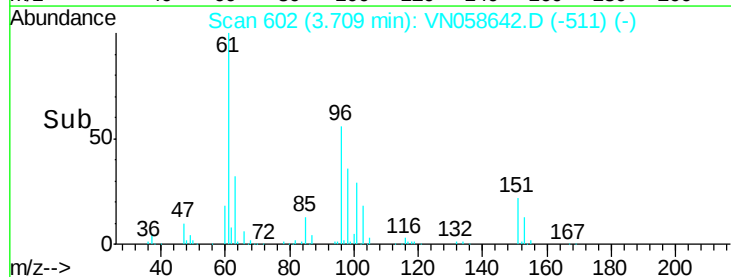
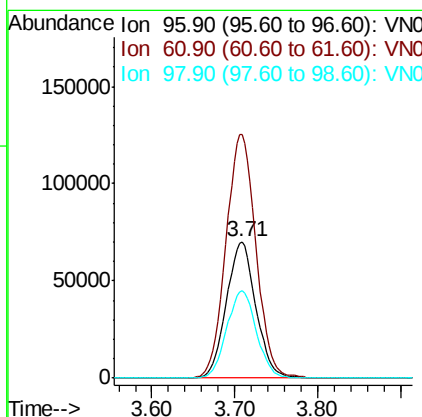
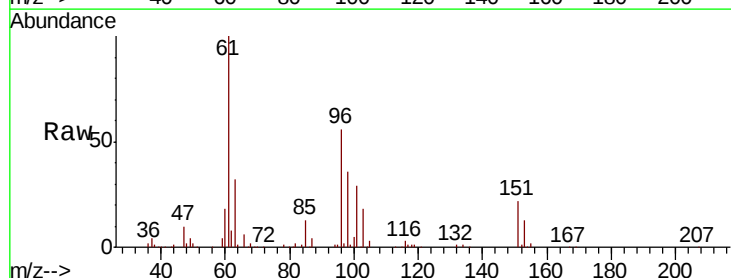
MMDadoda
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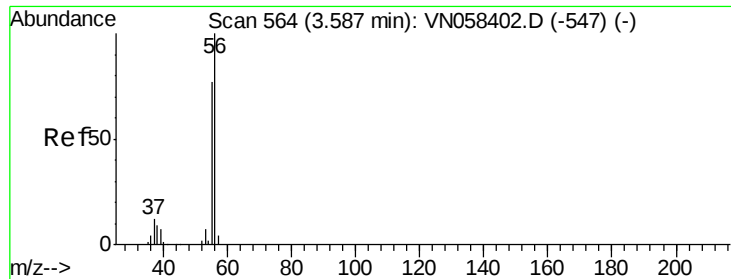


#12

1,1-Dichloroethene
 Concen: 41.399 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.01 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion	96	Resp	173579
Ion Ratio	100	Lower	Upper
61	178.5	146.7	220.1
98	63.9	51.3	76.9





#13

Acrolein

Concen: 226.814 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 52053

Ion Ratio Lower Upper

56 100

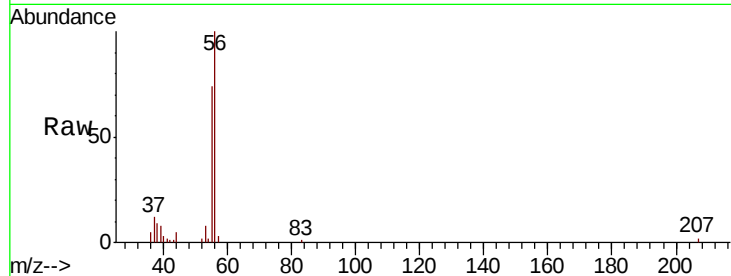
55 72.1 58.3 87.5

Manual Integrations

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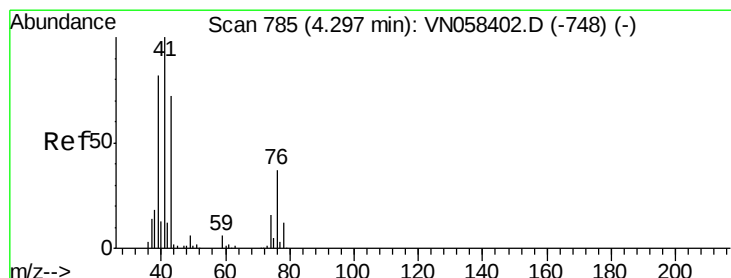
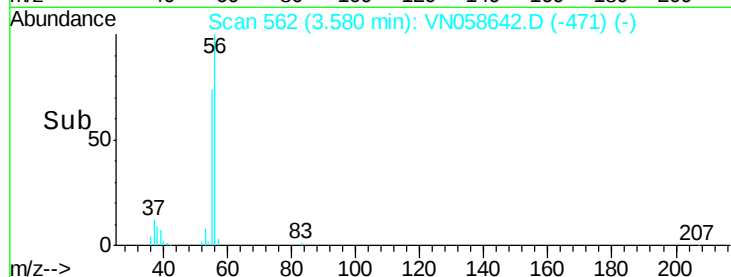
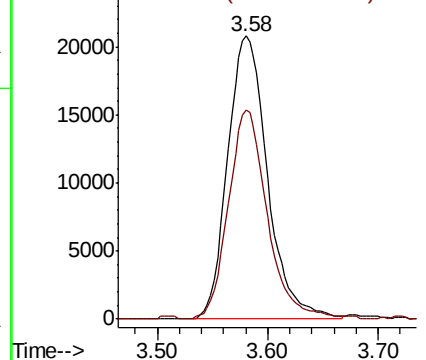
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 45.974 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

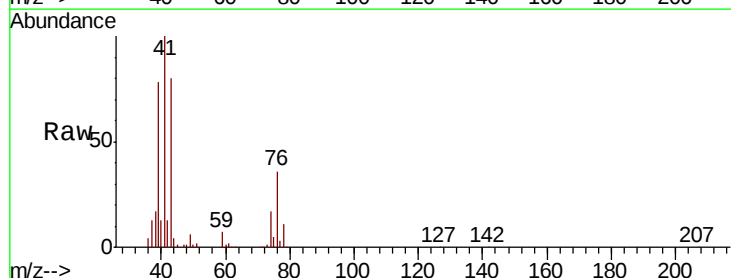
Tgt Ion: 41 Resp: 350791

Ion Ratio Lower Upper

41 100

39 72.4 62.3 93.5

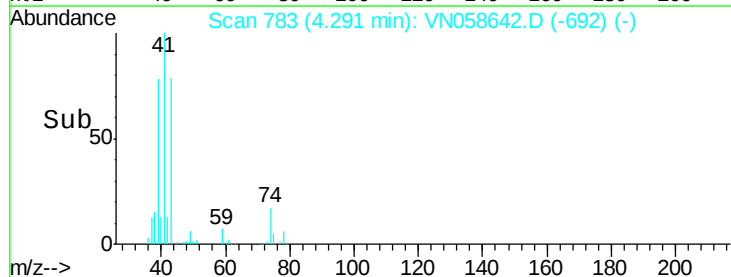
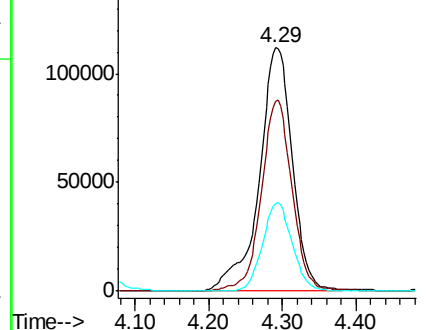
76 32.0 26.9 40.3

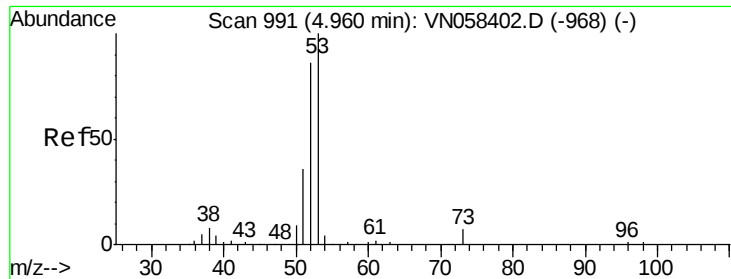


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 239.293 ug/l

RT: 4.96 min Scan# 990

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

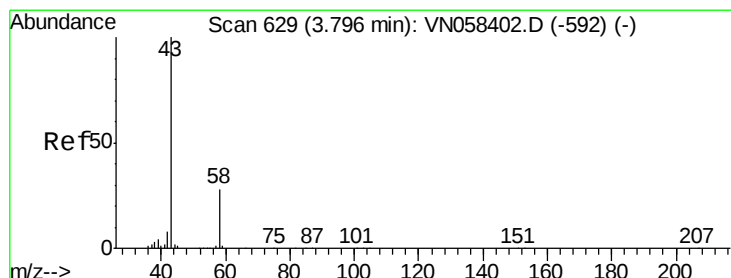
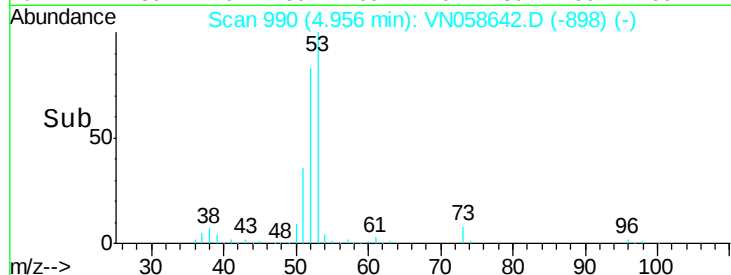
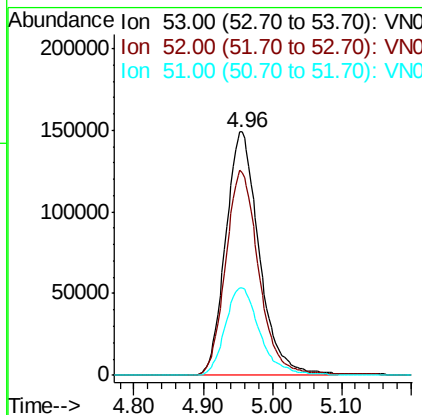
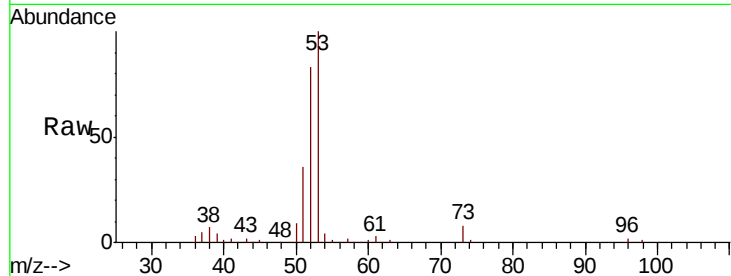
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	503214
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.6	100.0
51	37.4	29.8	44.8

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#16

Acetone

Concen: 257.646 ug/l

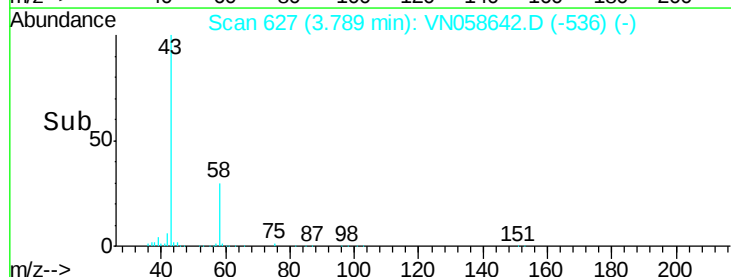
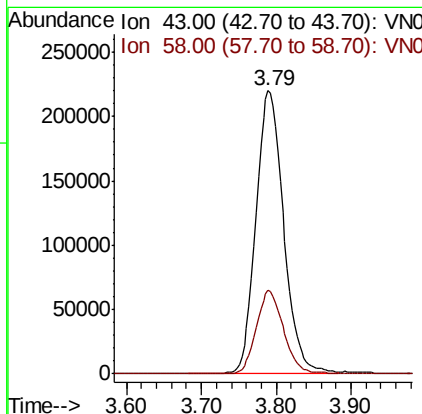
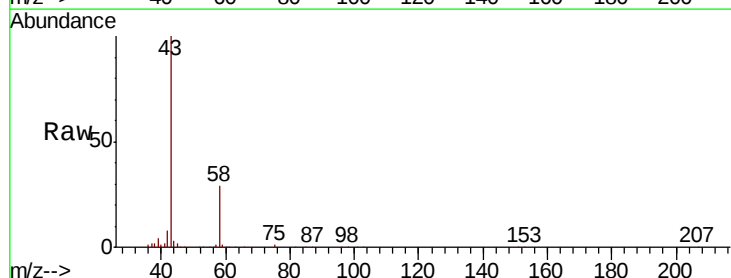
RT: 3.79 min Scan# 627

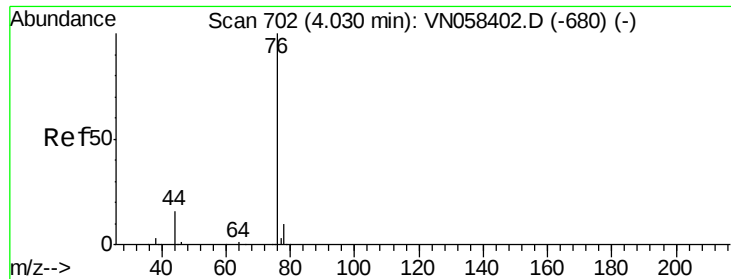
Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion:	43	Resp:	570458
Ion	Ratio	Lower	Upper
43	100		
58	29.3	22.4	33.6





#17

Carbon Disulfide

Concen: 43.362 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 479253

Ion Ratio Lower Upper

76 100

78 9.2

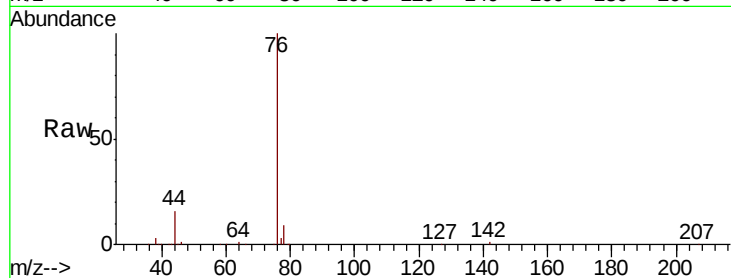
7.7 11.5

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.02

200000

150000

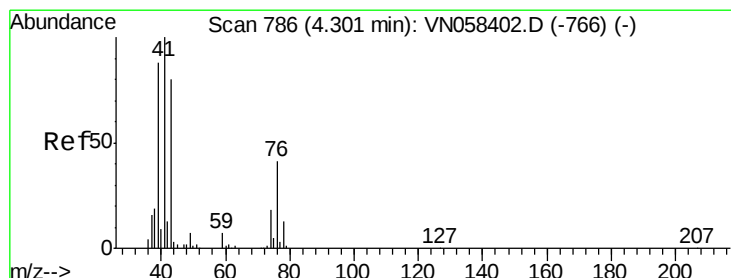
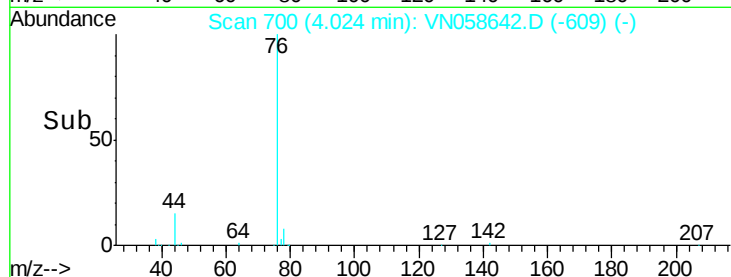
100000

50000

0

3.90 4.00 4.10 4.20

Time-->



#18

Methyl Acetate

Concen: 46.952 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

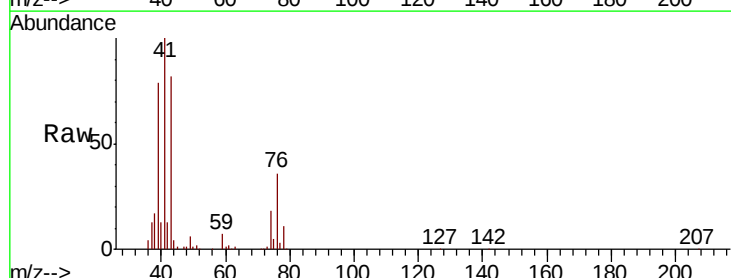
Tgt Ion: 43 Resp: 261462

Ion Ratio Lower Upper

43 100

74 21.8

18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.29

100000

80000

60000

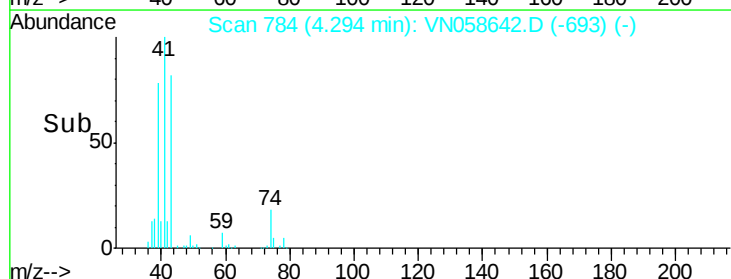
40000

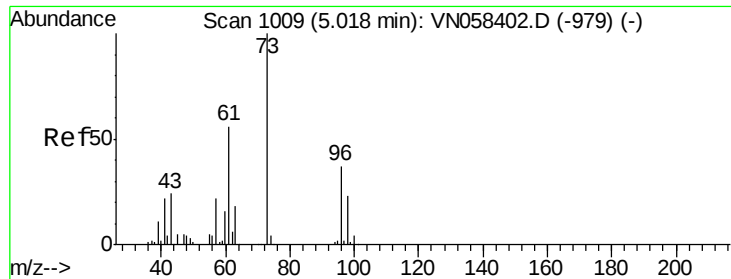
20000

0

4.20 4.30 4.40

Time-->





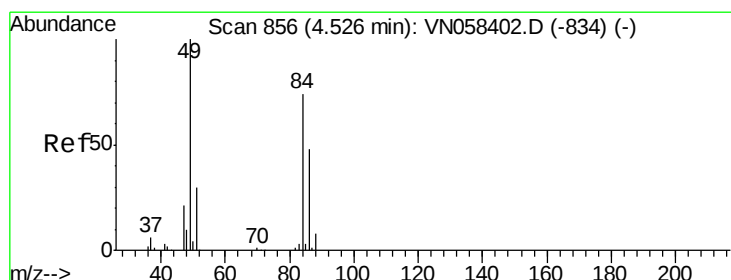
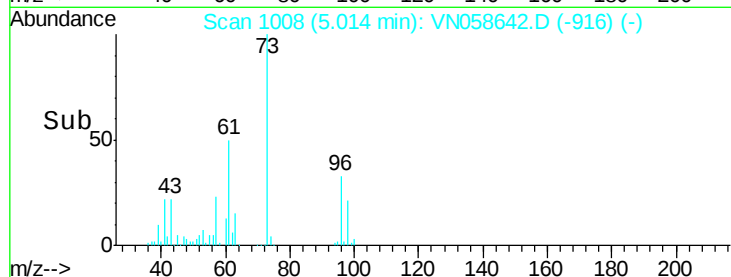
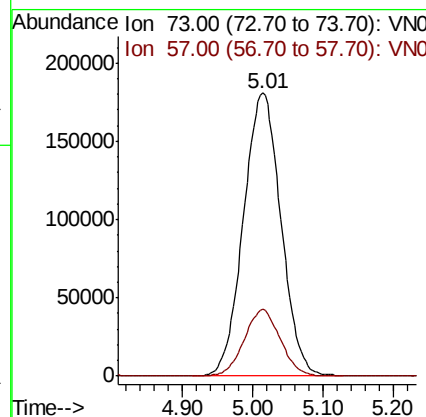
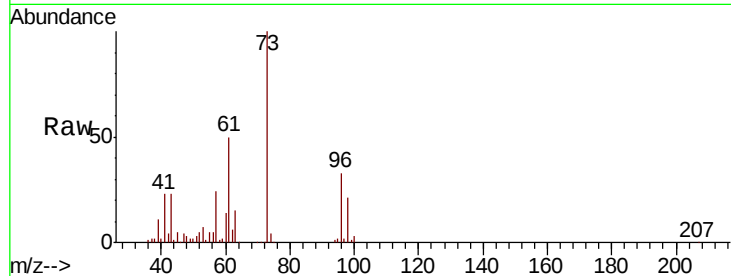
#19
Methvl tert-butvl Ether
Concen: 45.359 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 671038
Ion Ratio Lower Upper
73 100
57 23.5 17.6 26.4

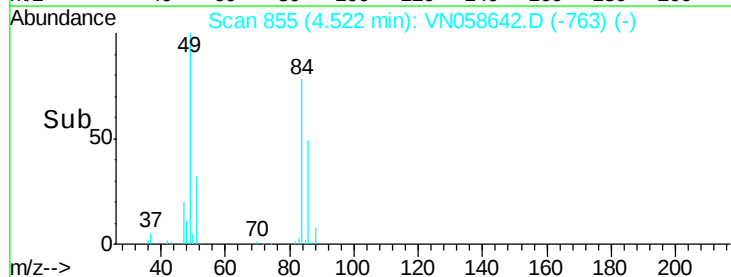
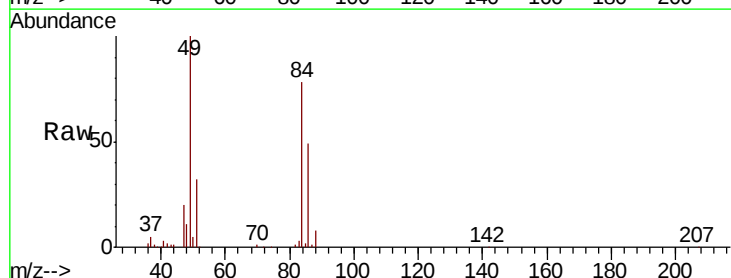
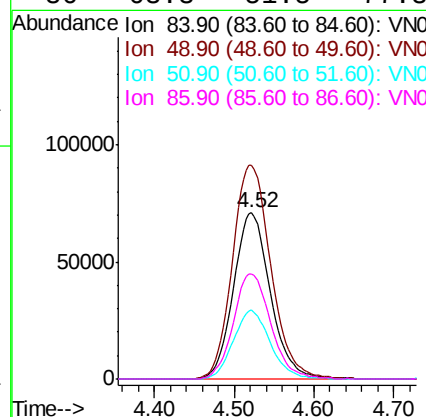
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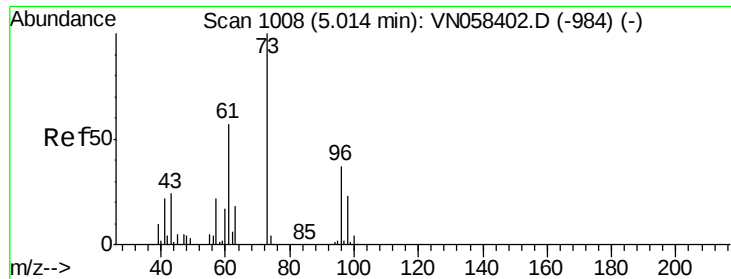
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#20
Methylene Chloride
Concen: 43.509 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion: 84 Resp: 222312
Ion Ratio Lower Upper
84 100
49 128.1 107.9 161.9
51 41.3 32.8 49.2
86 63.3 51.5 77.3





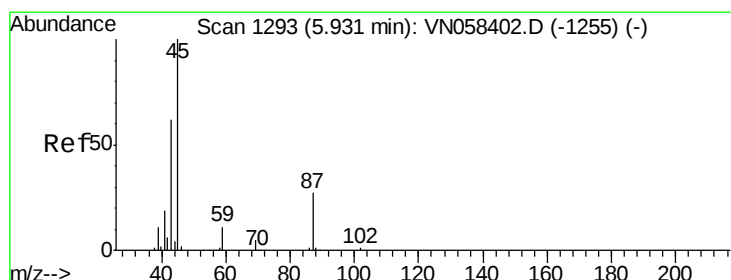
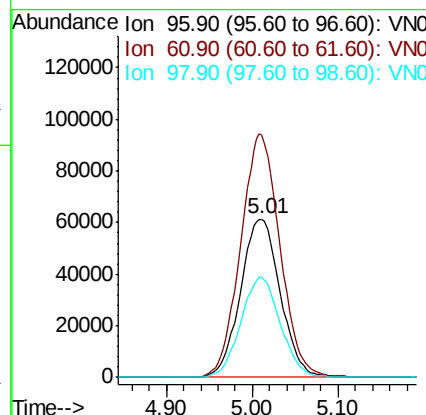
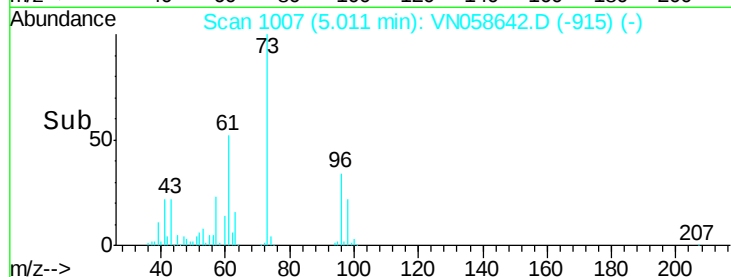
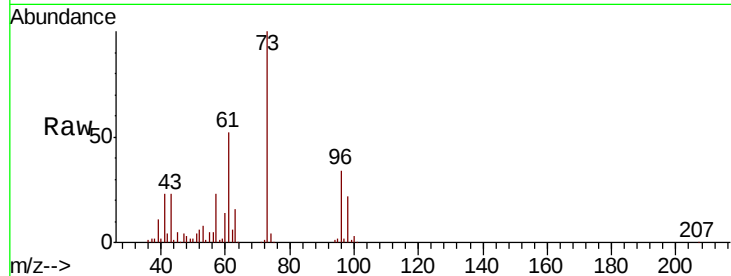
#21
trans-1,2-Dichloroethene
Concen: 42.170 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.0	121.9	182.9
98	63.4	49.3	73.9

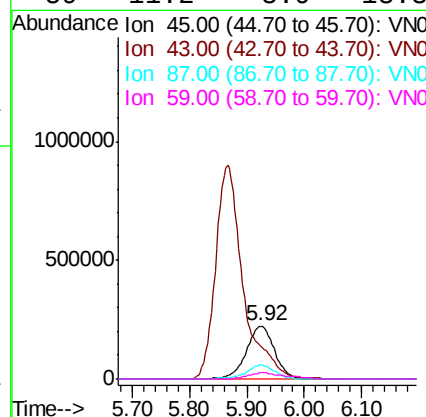
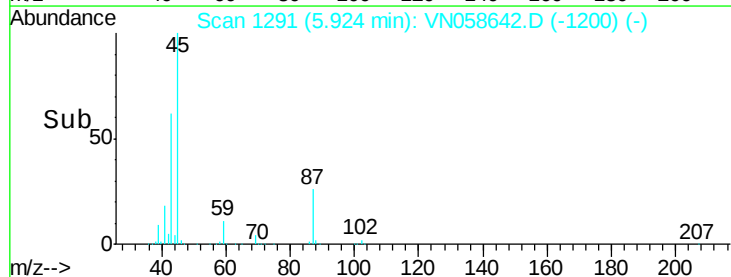
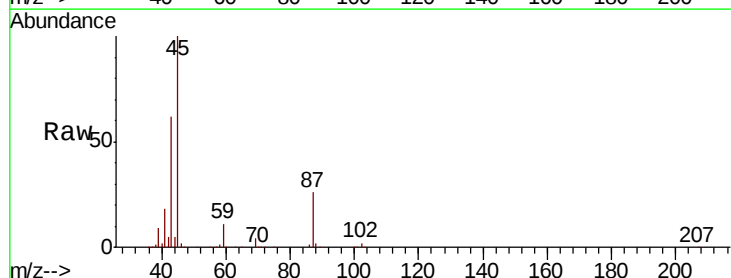
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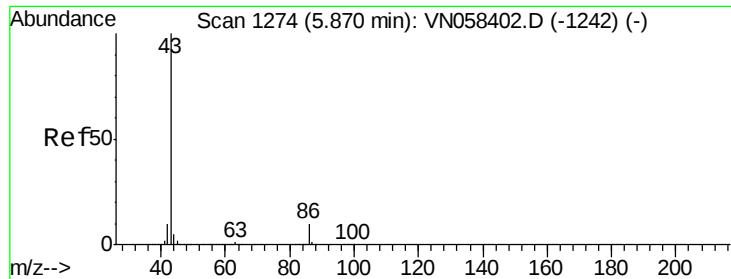
MMDadoda
10/10/2019 3:20:21 PM



#22
Diisopropyl ether
Concen: 46.256 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	49.7	74.5
87	26.2	21.5	32.3
59	11.2	8.9	13.3





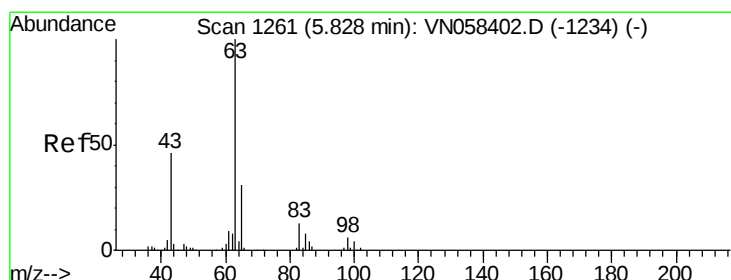
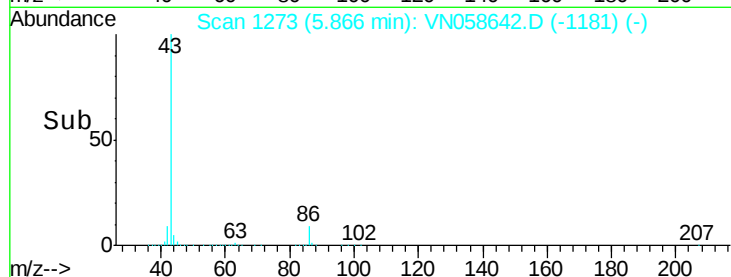
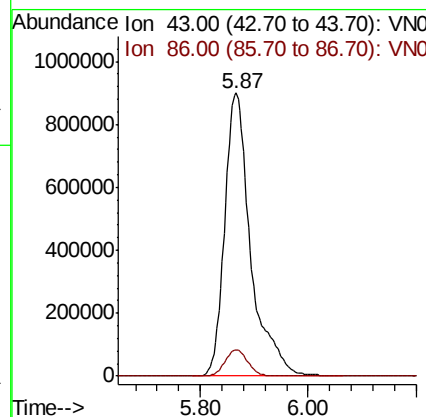
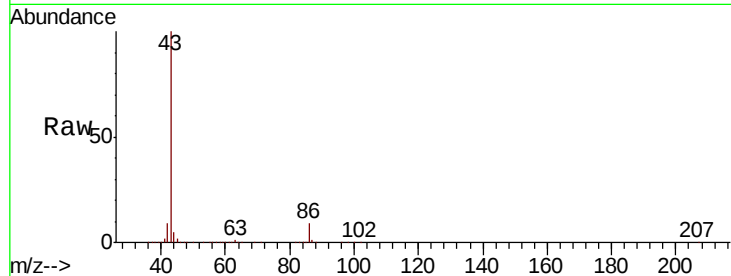
#23
 Vinyl Acetate
 Concen: 243.473 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3014364
 Ion Ratio Lower Upper
 43 100
 86 9.4 7.7 11.5

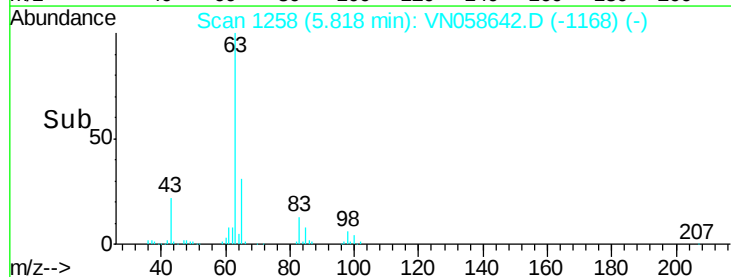
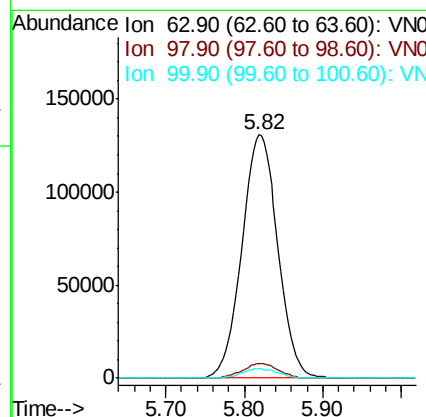
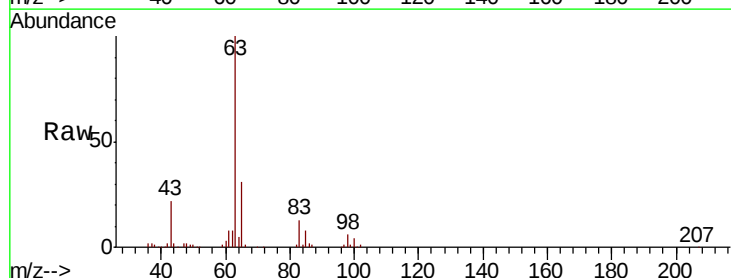
Manual Integrations
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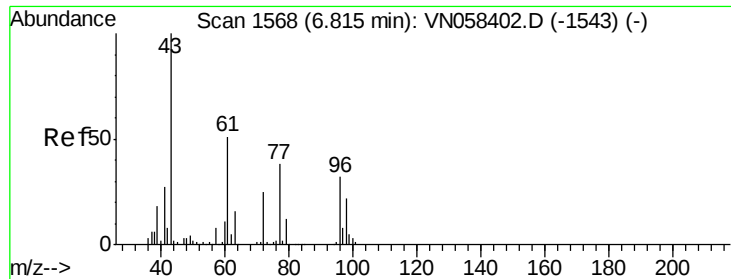
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#24
 1,1-Dichloroethane
 Concen: 45.227 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion: 63 Resp: 417941
 Ion Ratio Lower Upper
 63 100
 98 5.8 3.0 9.0
 100 4.0 2.0 5.8





#25

2-Butanone

Concen: 237.862 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 723078

Ion Ratio Lower Upper

43 100

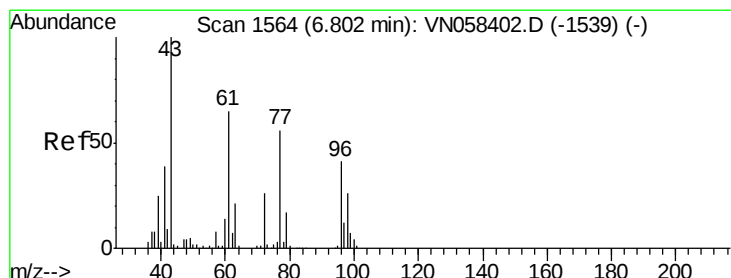
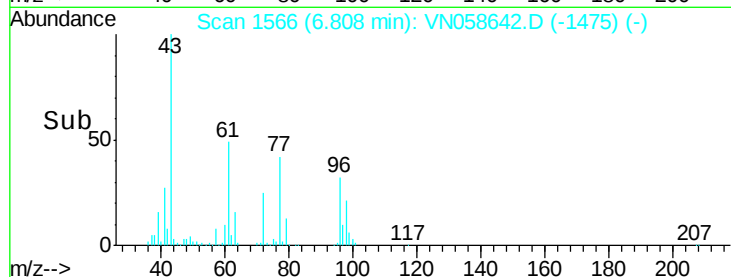
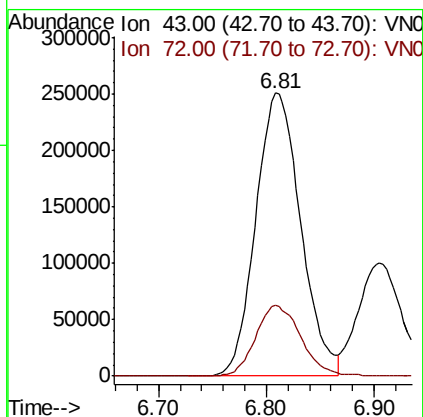
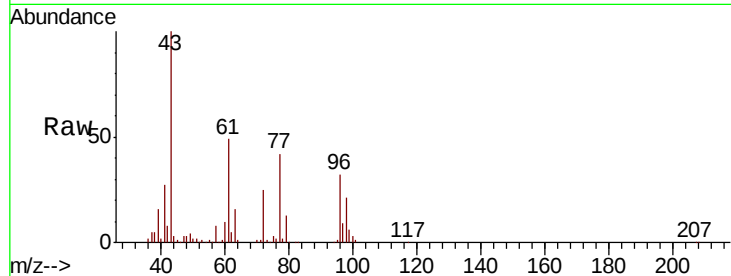
72 24.9 20.2 30.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.074 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN058642.D

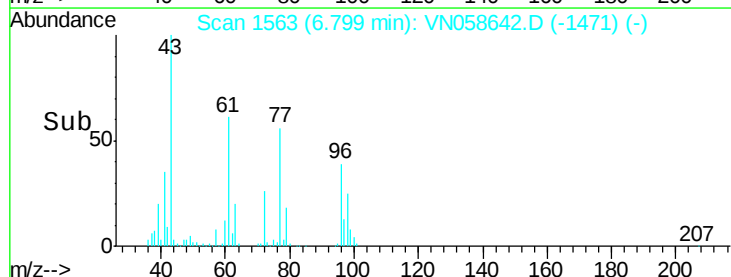
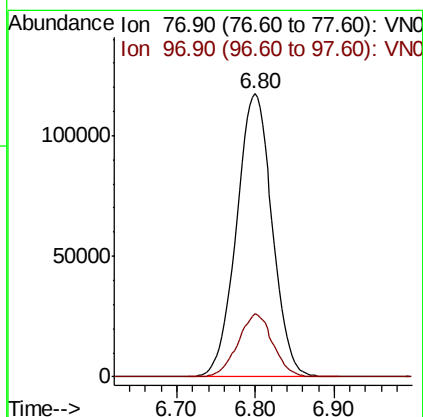
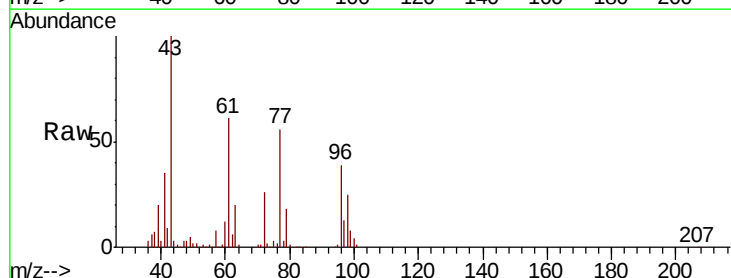
Acq: 9 Oct 2019 15:44

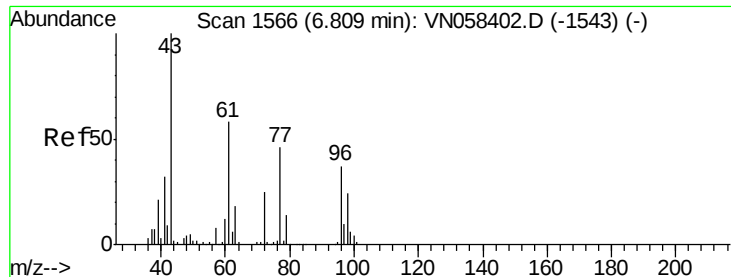
Tgt Ion: 77 Resp: 372819

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 43.720 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

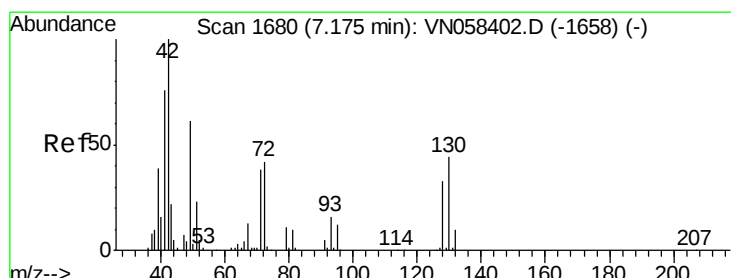
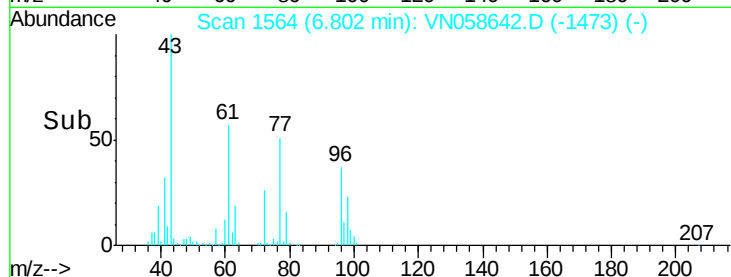
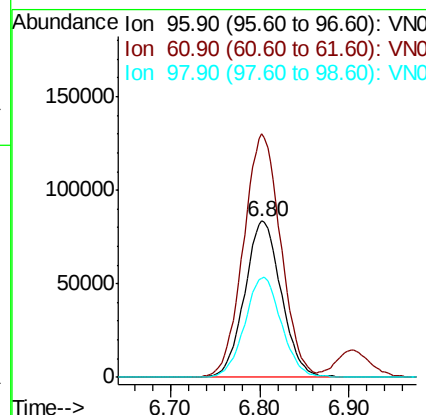
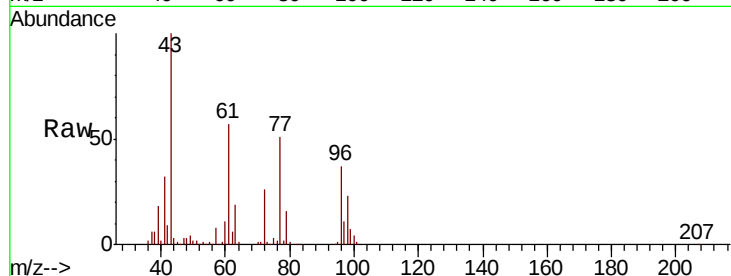
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	238246
Ion	Ratio	Lower	Upper
96	100		
61	159.2	0.0	318.8
98	64.3	0.0	129.8

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#28

Bromochloromethane

Concen: 45.603 ug/l

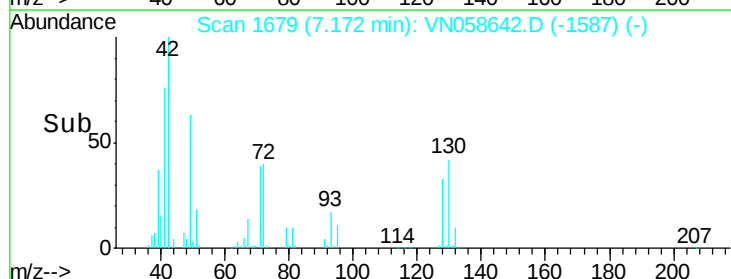
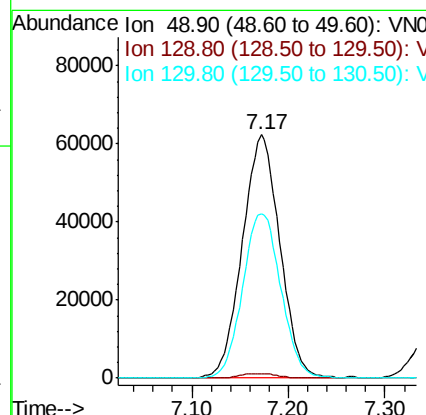
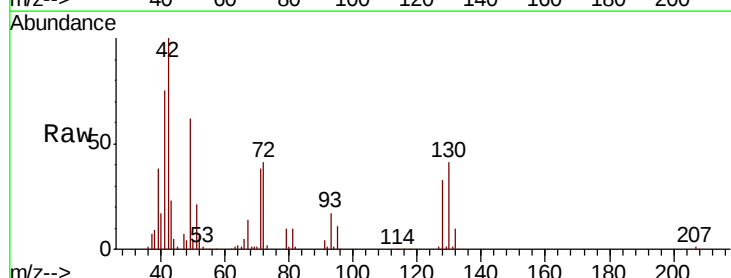
RT: 7.17 min Scan# 1679

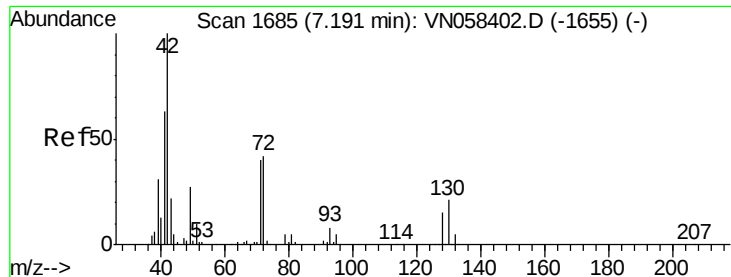
Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion:	49	Resp:	168450
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.4
130	68.6	56.3	84.5





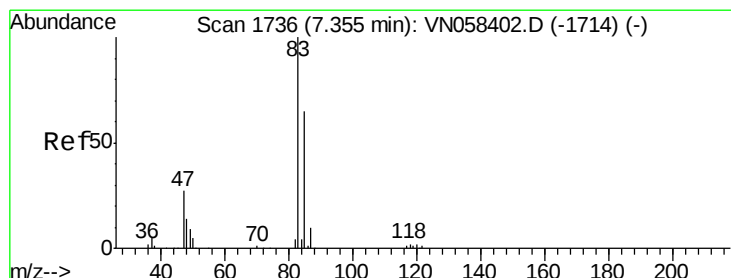
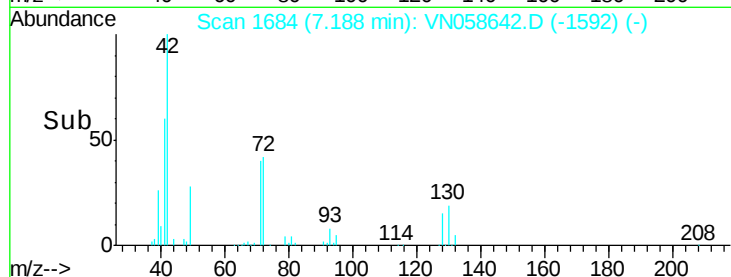
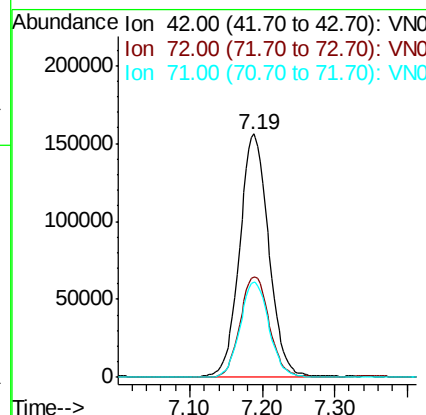
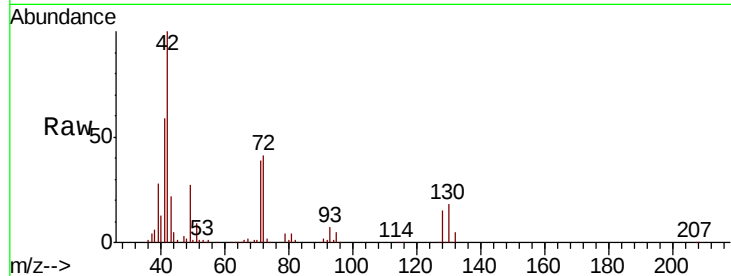
#29
Tetrahydrofuran
Concen: 225.843 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	33.7	50.5
71	39.0	31.8	47.6

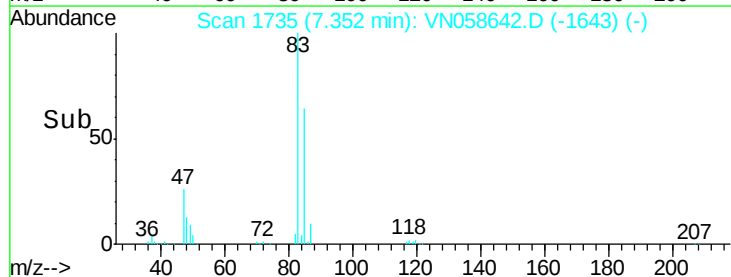
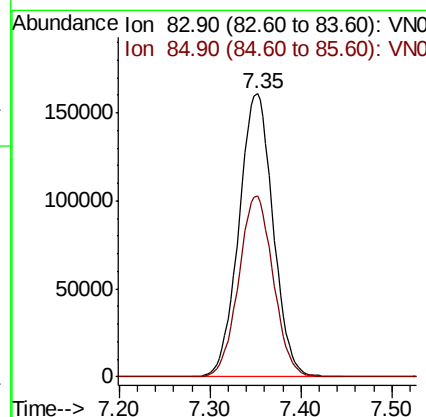
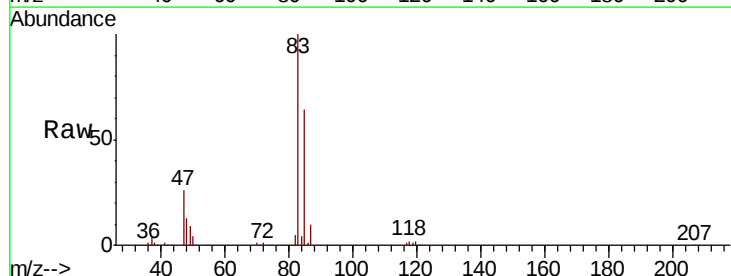
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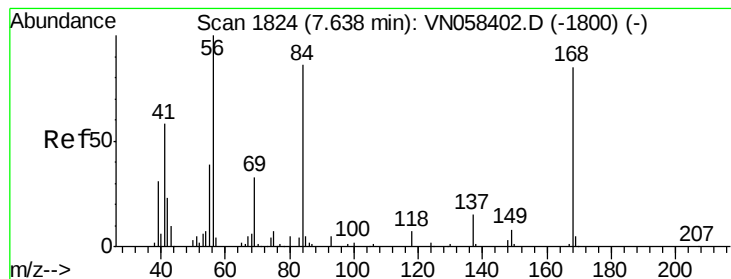
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#30
Chloroform
Concen: 44.799 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.0	78.0





#31

Cyclohexane

Concen: 39.822 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

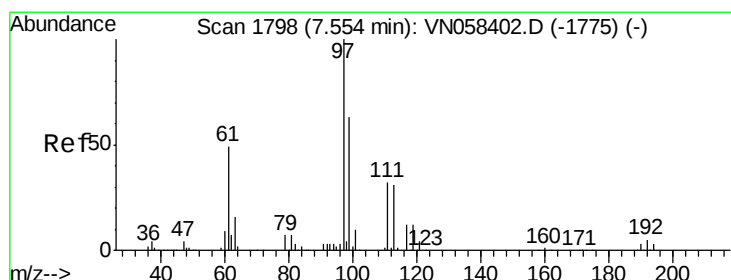
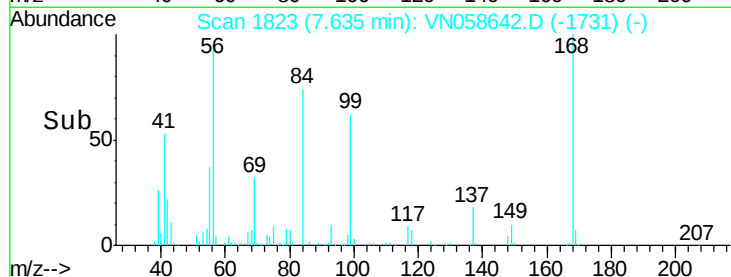
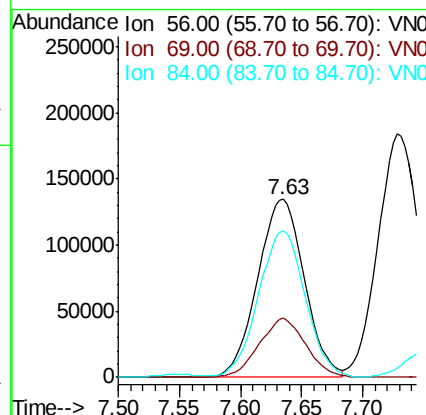
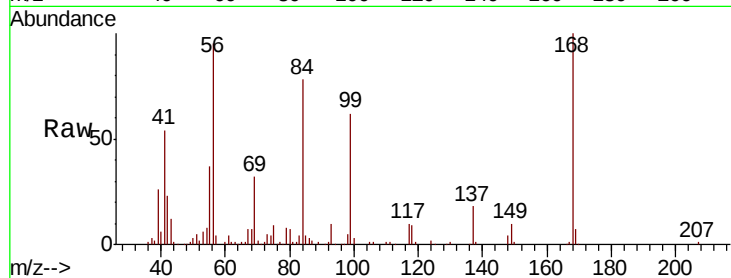
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	357960
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.2	39.4
84	81.1	67.6	101.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.613 ug/l

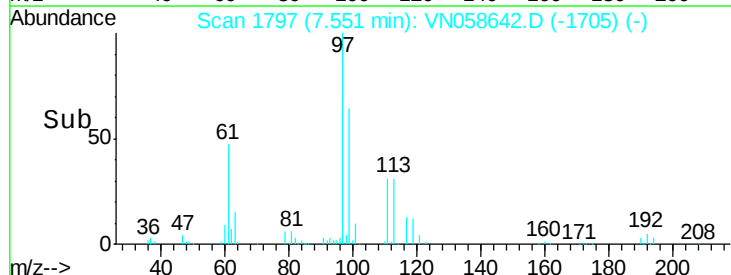
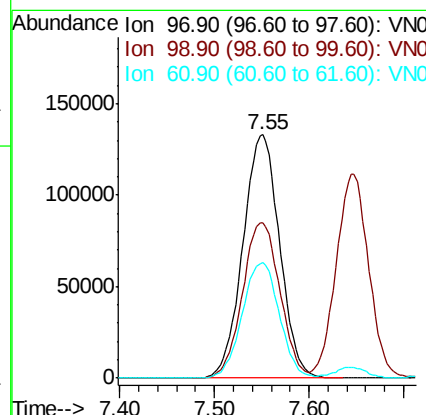
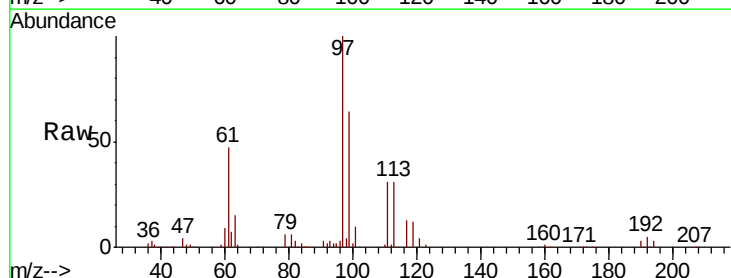
RT: 7.55 min Scan# 1797

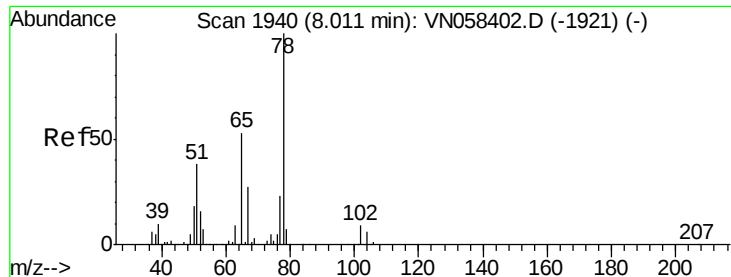
Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion:	97	Resp:	358443
Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.1	76.7
61	48.0	39.2	58.8





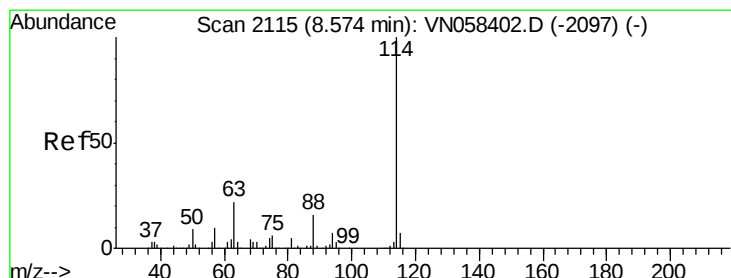
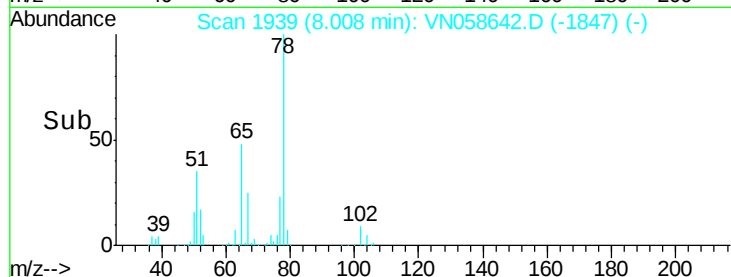
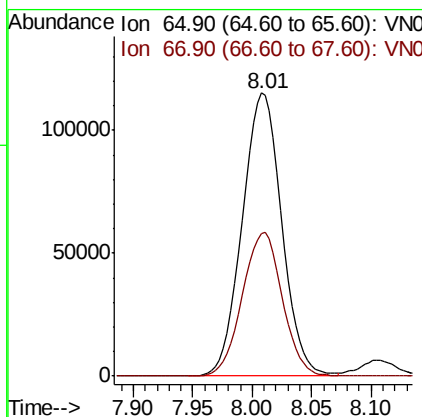
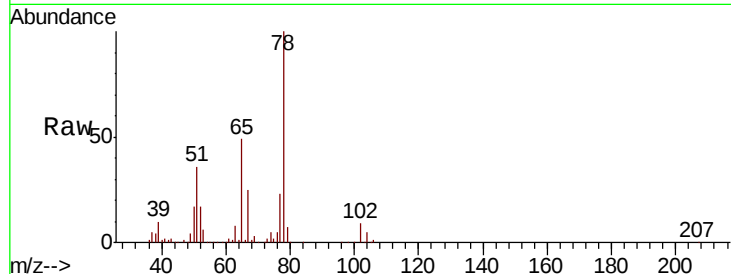
#33
 1,2-Dichloroethane-d4
 Concen: 40.865 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	265425		
67	51.5	0.0	102.4	

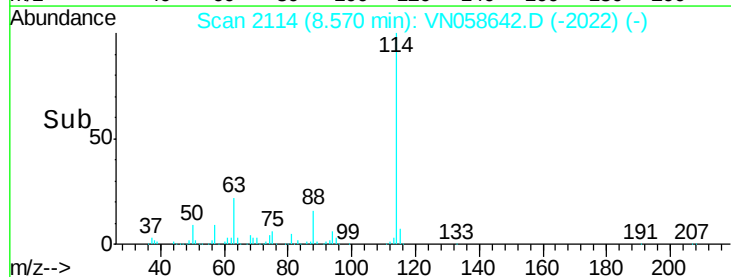
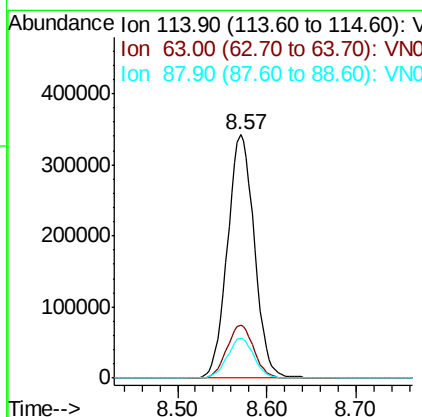
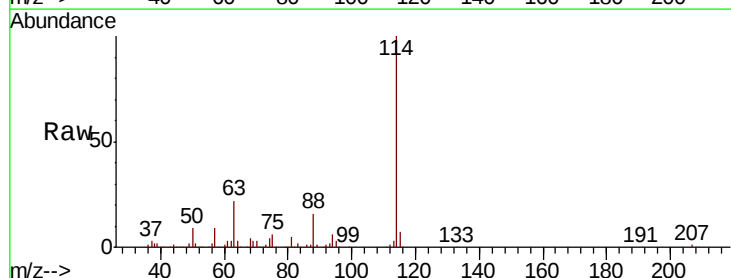
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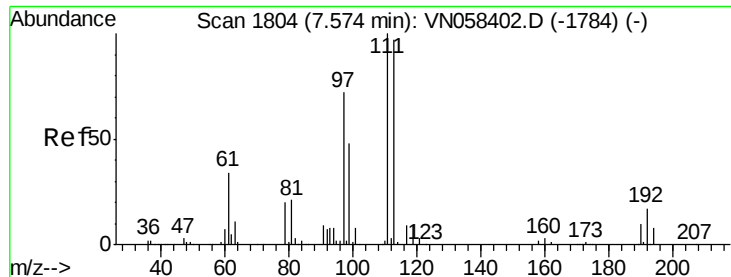
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	713707		
63	21.8	0.0	45.0	
88	16.3	0.0	32.2	





#35

Dibromofluoromethane

Concen: 45.194 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

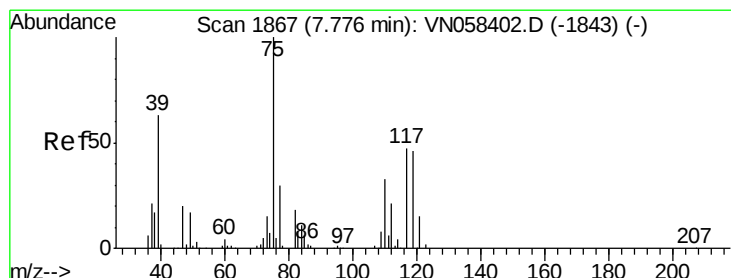
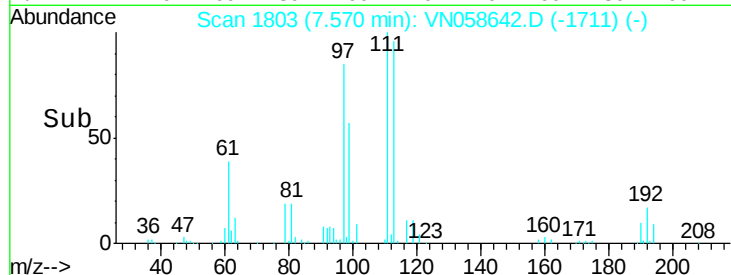
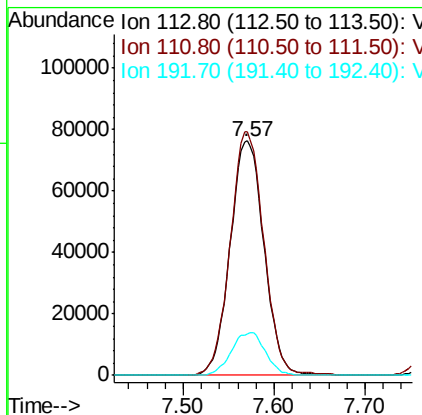
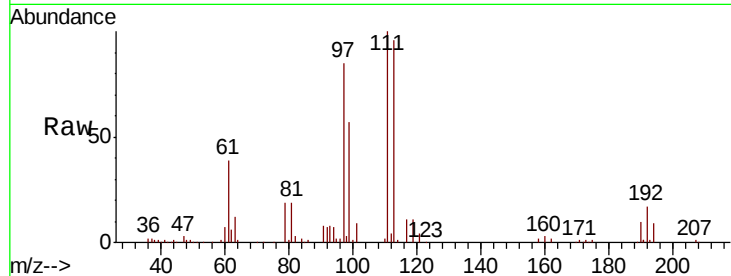
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	197688
Ion Ratio	Lower	Upper	
113	100		
111	103.1	83.4	125.2
192	18.4	14.9	22.3

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#36

1,1-Dichloropropene

Concen: 44.334 ug/l

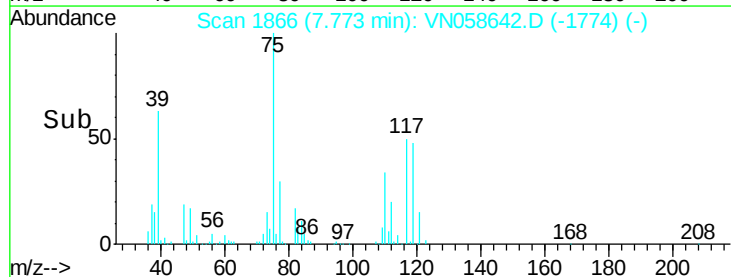
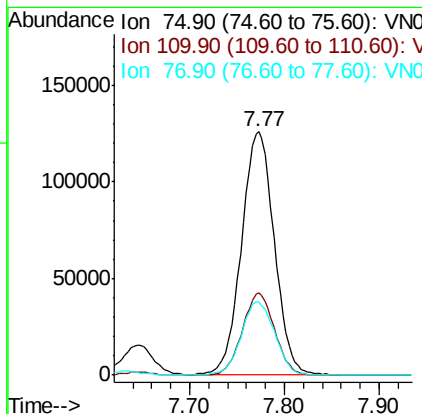
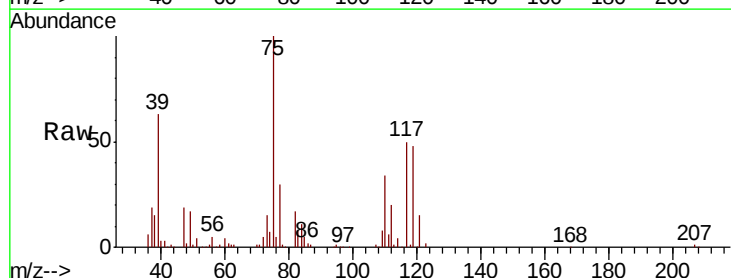
RT: 7.77 min Scan# 1866

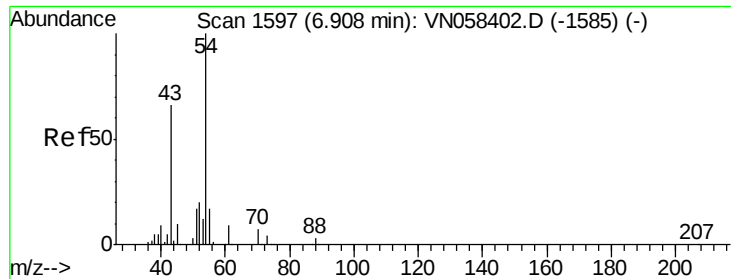
Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion:	75	Resp:	302553
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.4	49.2
77	31.1	24.3	36.5





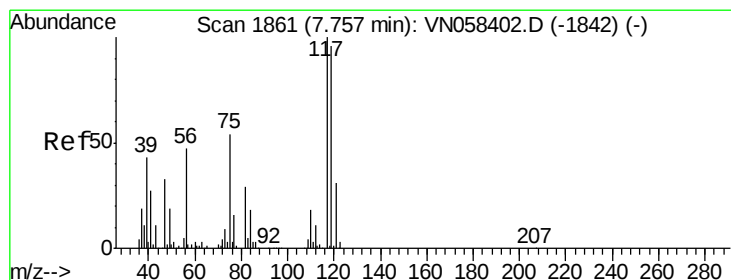
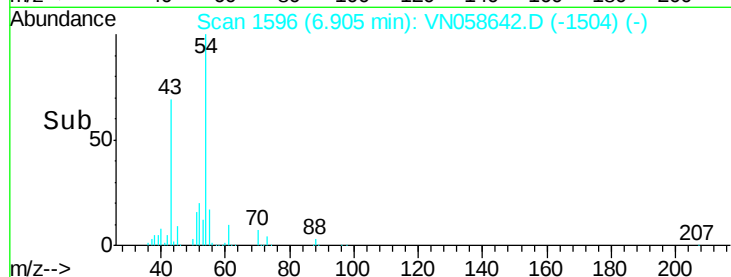
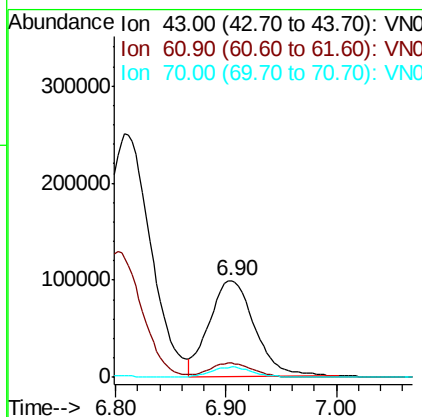
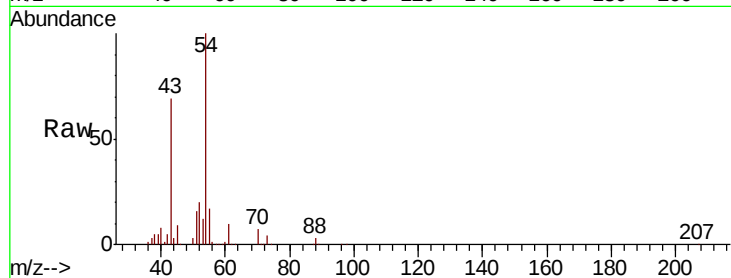
#37
Ethyl Acetate
Concen: 48.915 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	9.9	7.8	11.6

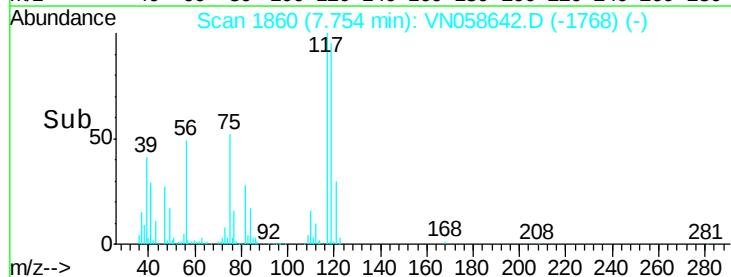
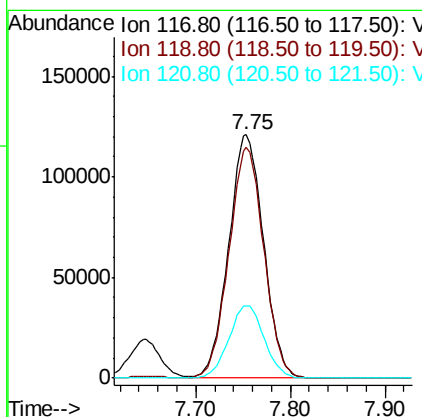
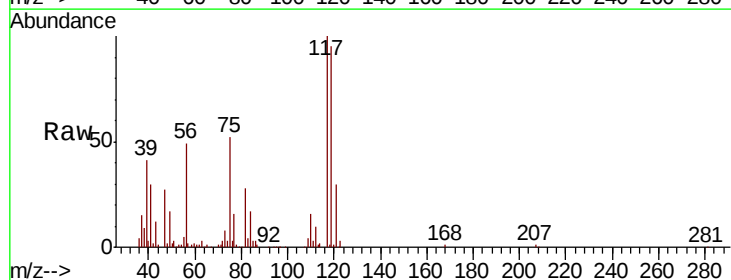
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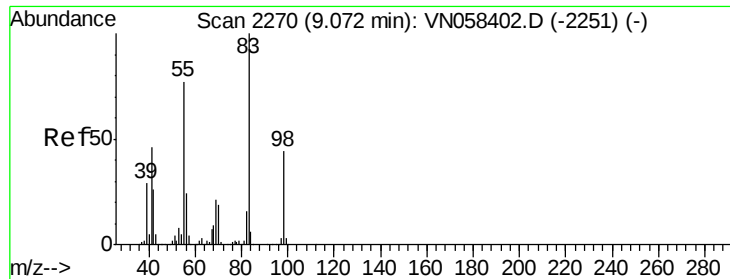
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#38
Carbon Tetrachloride
Concen: 50.336 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	76.6	115.0
121	29.9	24.7	37.1





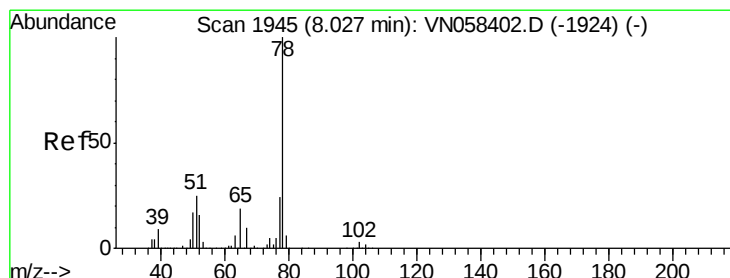
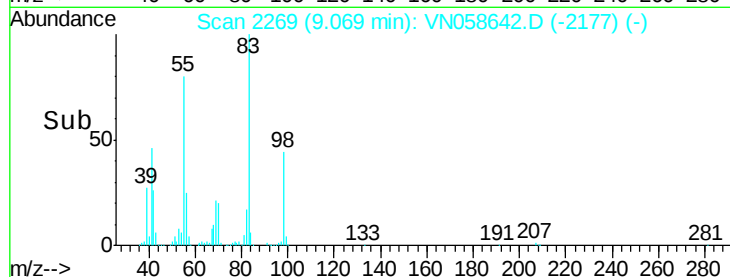
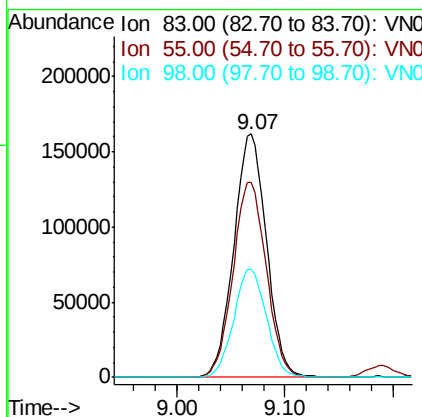
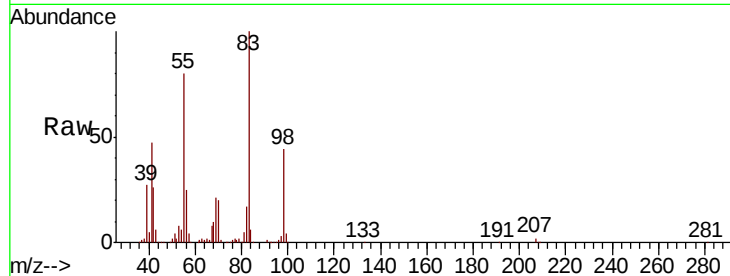
#39
Methvlcvclohexane
Concen: 42.930 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.8	61.8	92.6
98	44.2	35.4	53.0

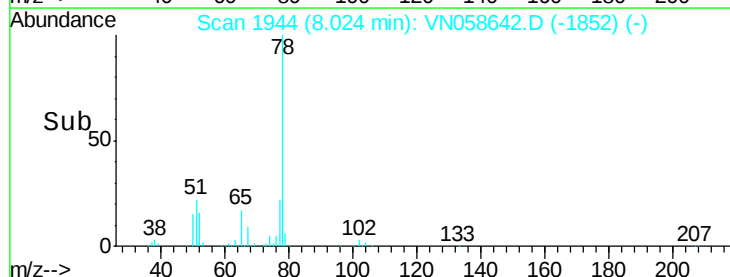
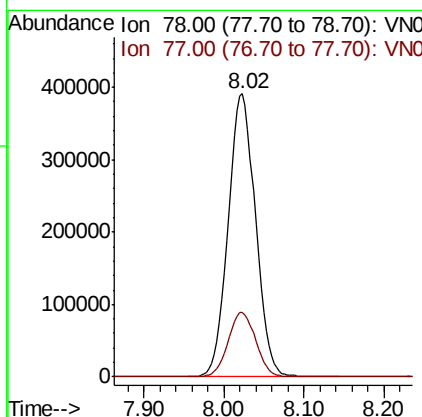
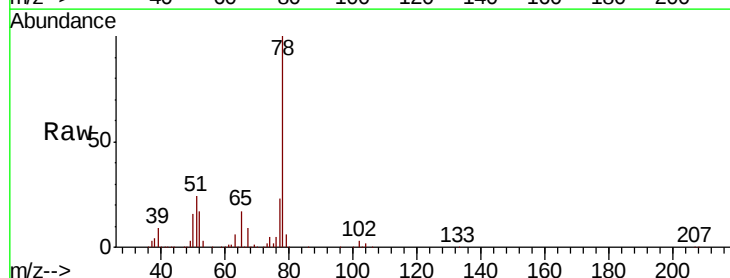
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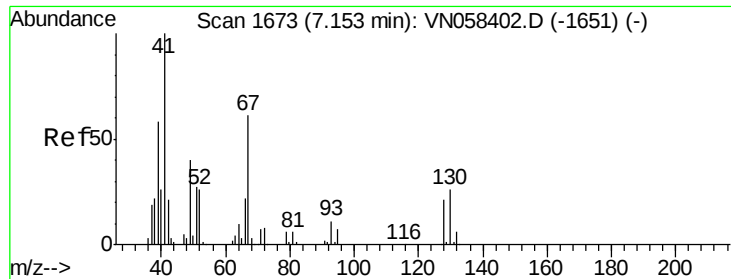
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#40
Benzene
Concen: 46.269 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.9	28.3





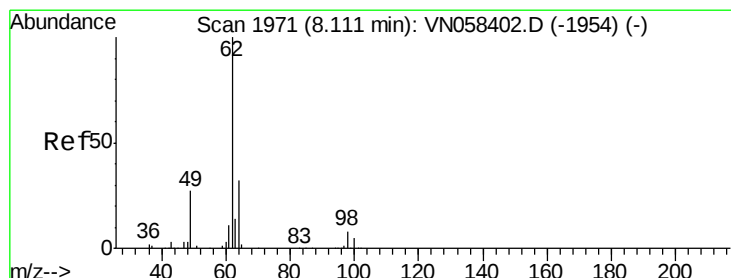
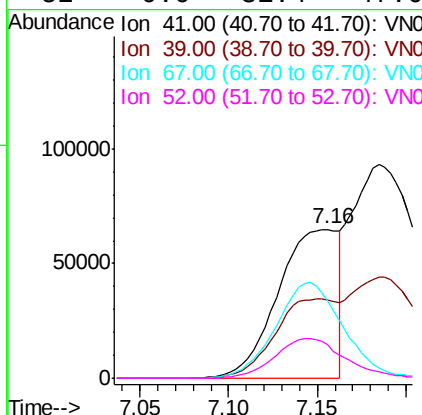
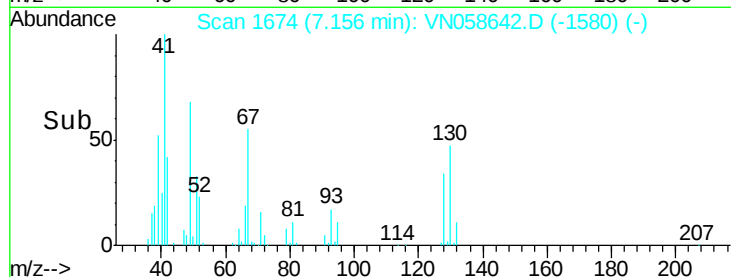
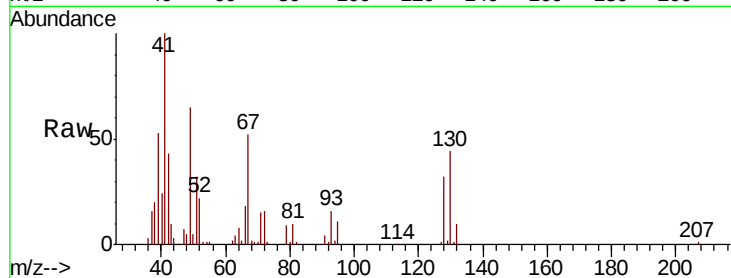
#41
Methacrylonitrile
Concen: 57.541 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	0.0	50.2	75.4#	
67	0.0	70.2	105.4#	
52	0.0	31.4	47.0#	

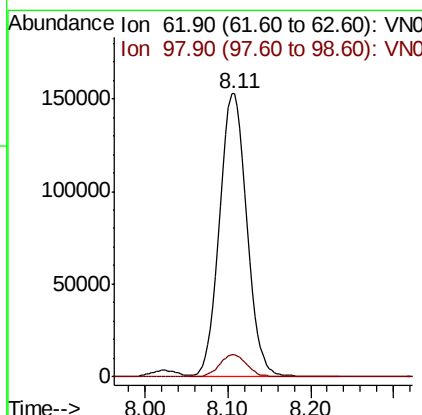
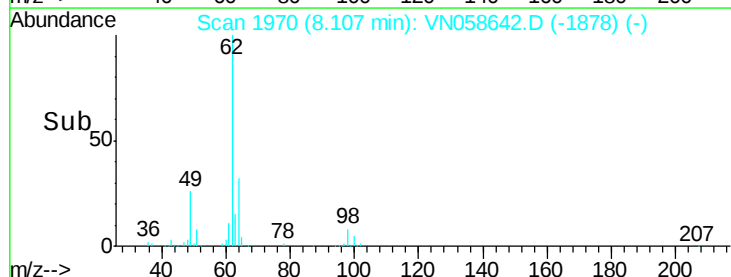
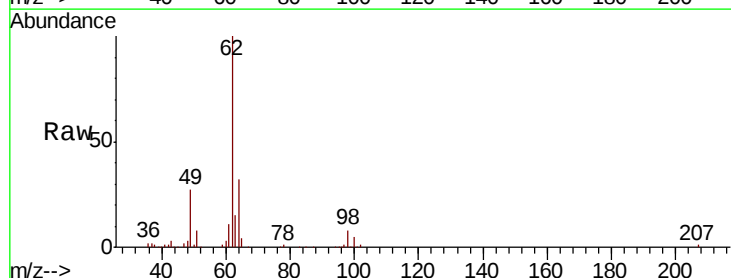
Manual Integrations
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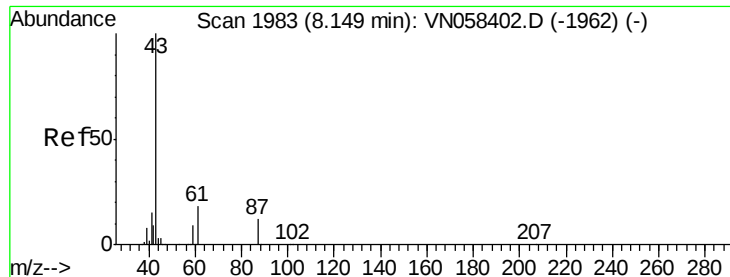
MMDadoda
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#42
1,2-Dichloroethane
Concen: 45.931 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	0.0	15.6	





#43

Isopropyl Acetate

Concen: 45.302 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

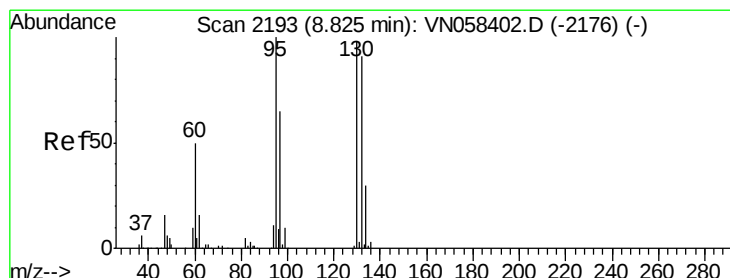
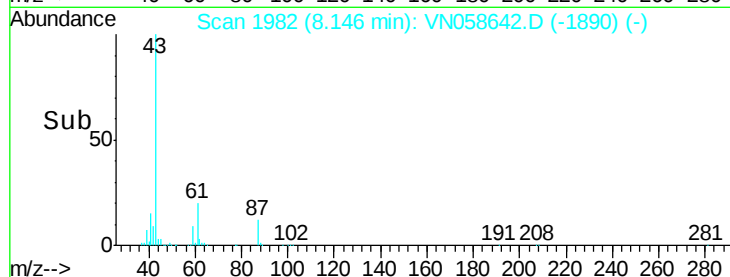
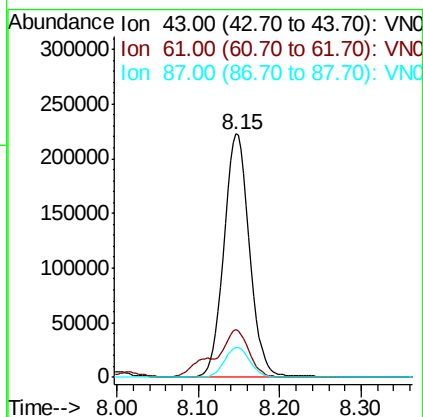
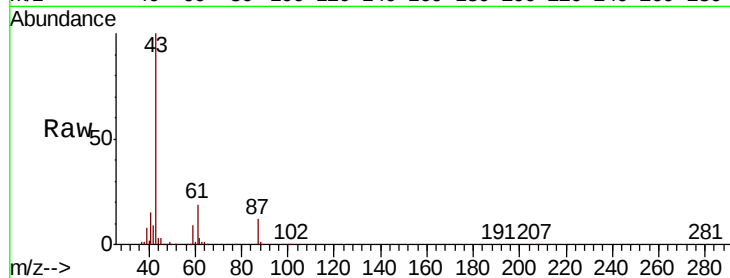
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	492902
Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.8	22.2
87	12.3	9.7	14.5

Manual Integrations
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#44

Trichloroethene

Concen: 46.699 ug/l

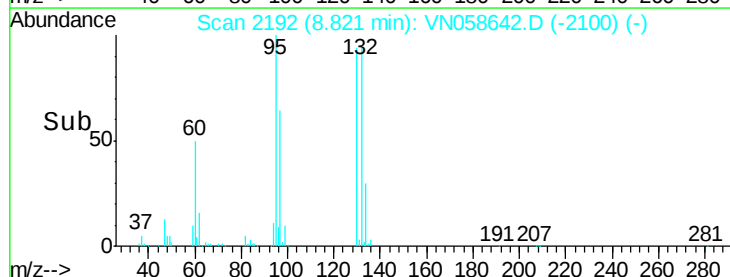
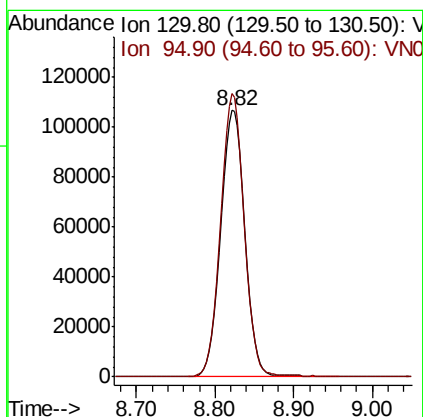
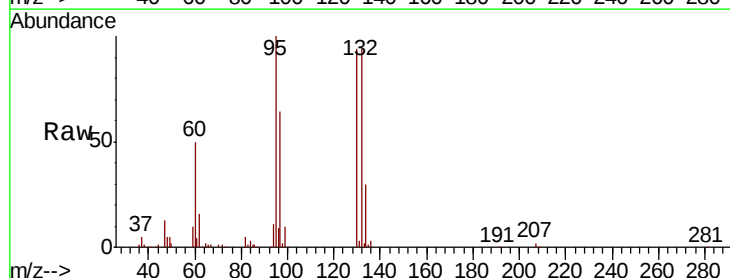
RT: 8.82 min Scan# 2192

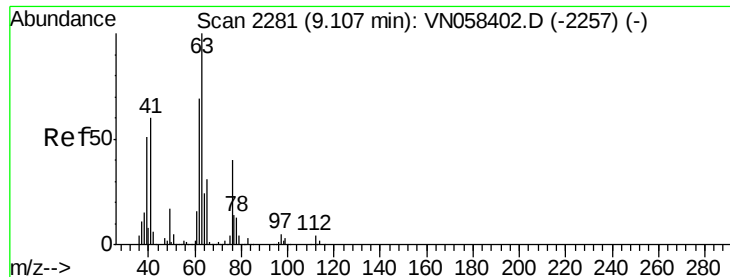
Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion:	130	Resp:	226198
Ion	Ratio	Lower	Upper
130	100		
95	106.4	0.0	204.2





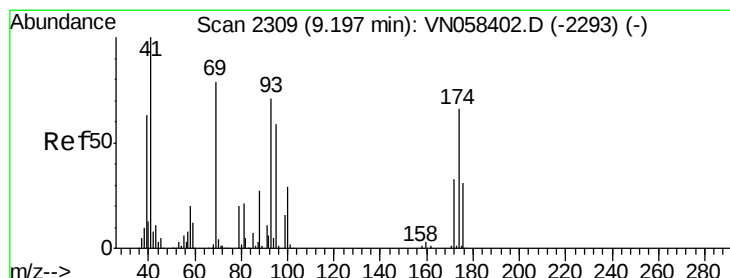
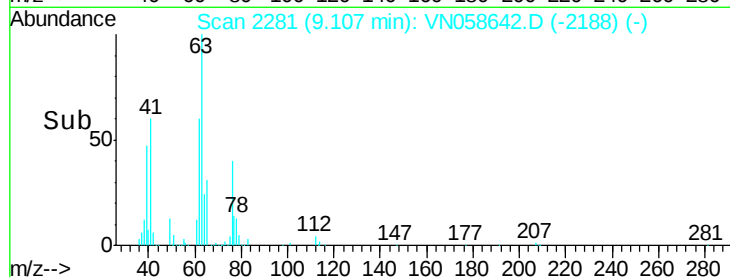
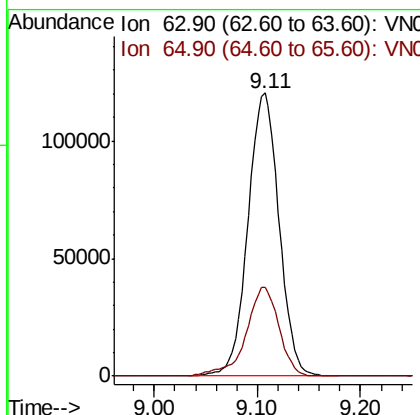
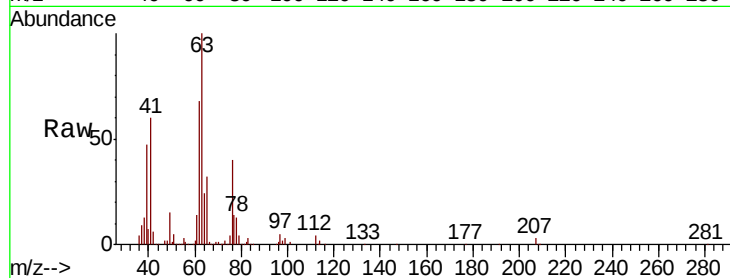
#45
 1,2-Dichloropropane
 Concen: 47.822 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	25.0	37.4

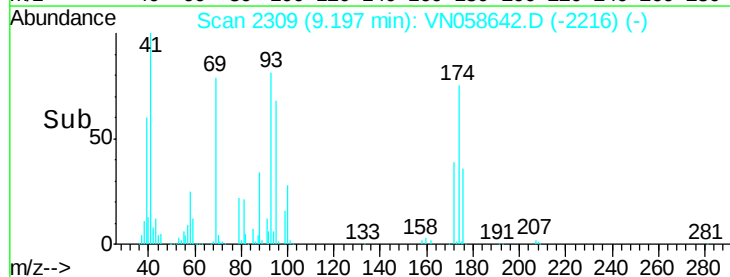
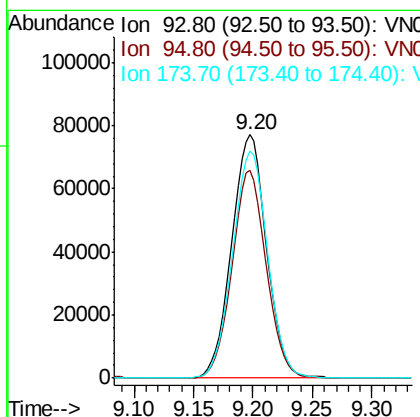
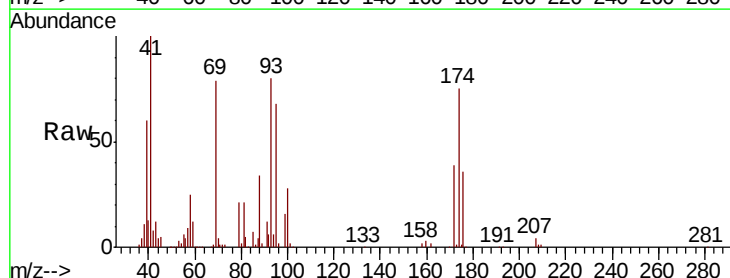
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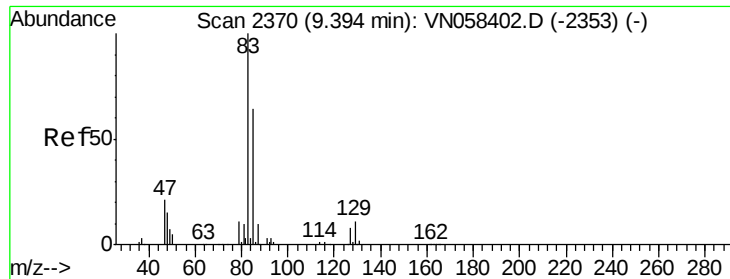
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#46
 Dibromomethane
 Concen: 47.023 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.0	100.4
174	94.0	74.2	111.2





#47

Bromodichloromethane

Concen: 52.057 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

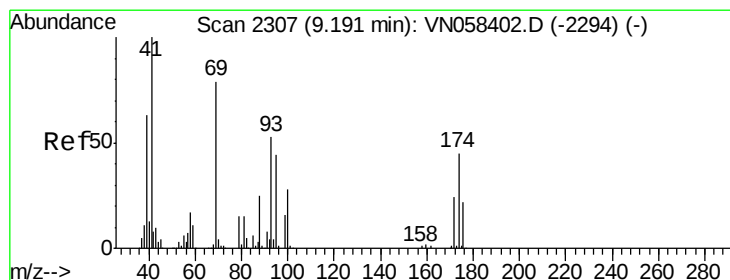
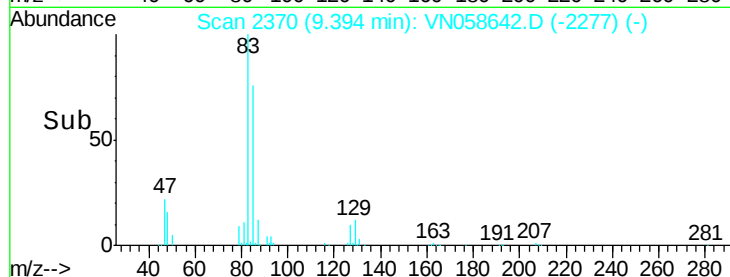
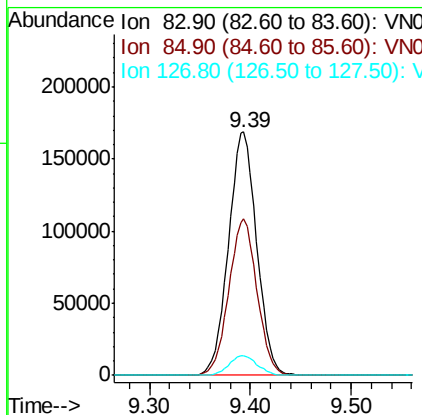
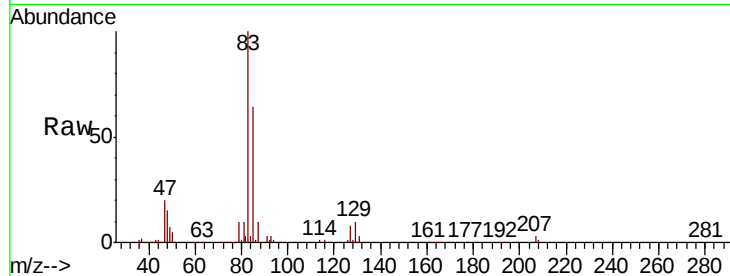
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	328615
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.2	76.8
127	8.1	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.791 ug/l

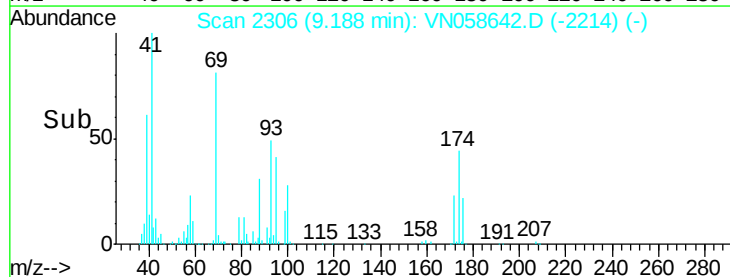
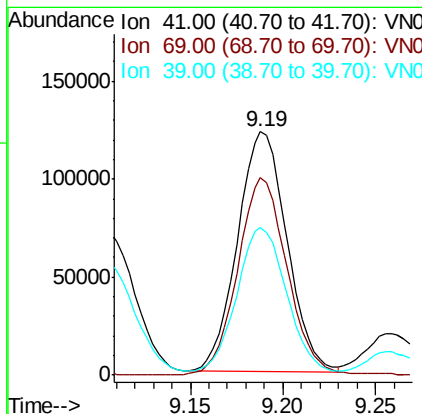
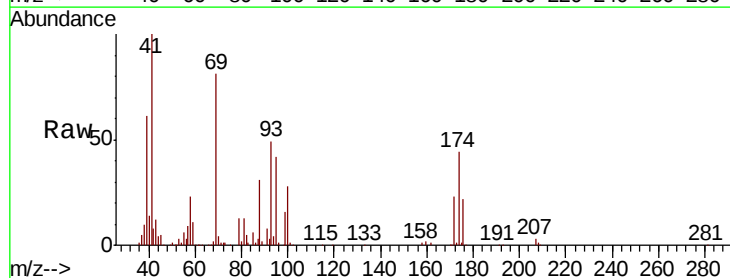
RT: 9.19 min Scan# 2306

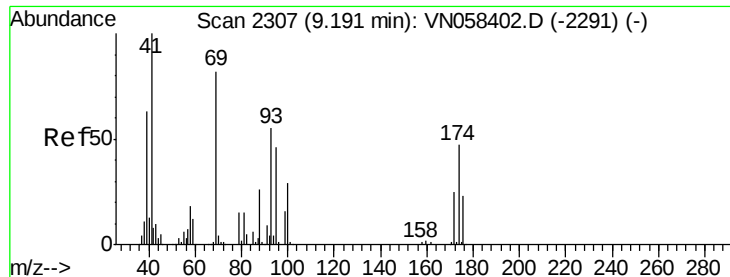
Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion:	41	Resp:	226862
Ion Ratio	Lower	Upper	
41	100		
69	82.8	64.7	97.1
39	62.8	52.9	79.3





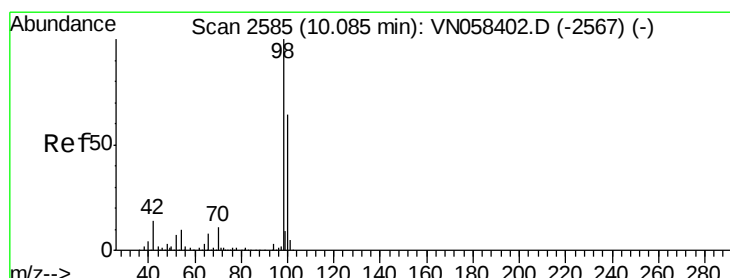
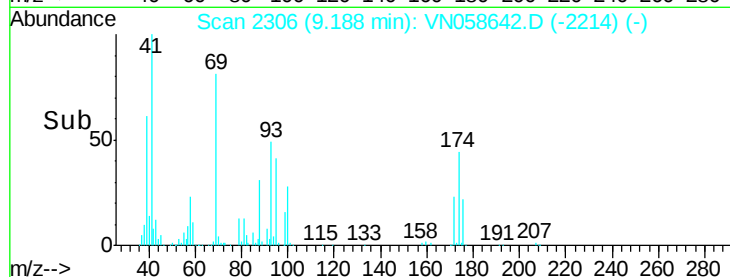
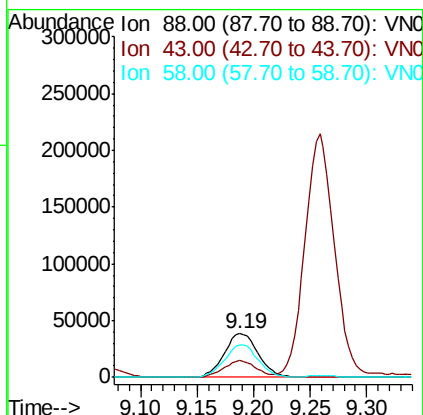
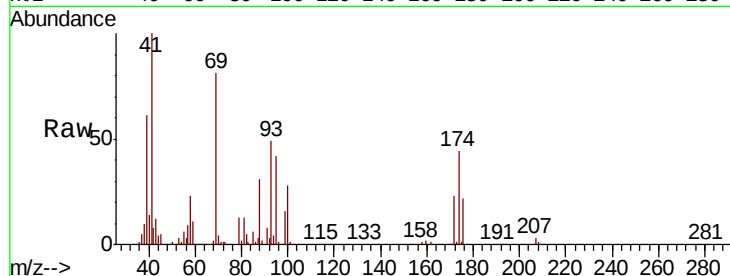
#49
1,4-Dioxane
Concen: 1241.849 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	82267
Ion	Ratio	Lower	Upper
88	100		
43	34.7	31.1	46.7
58	72.4	58.1	87.1

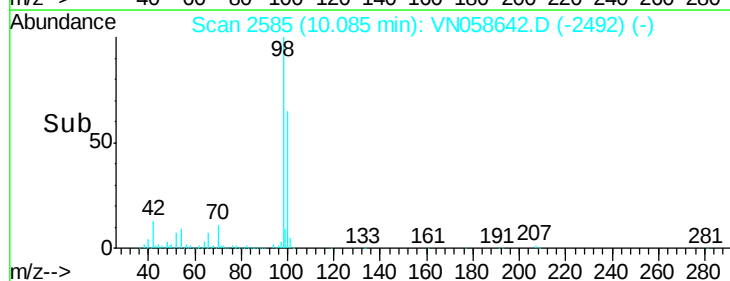
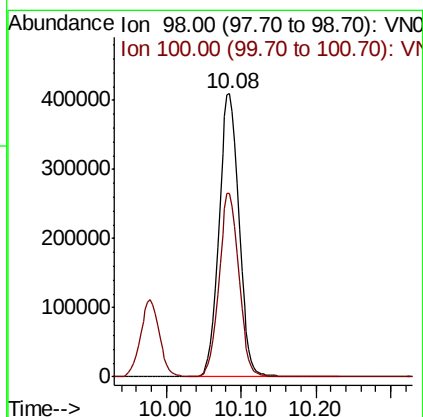
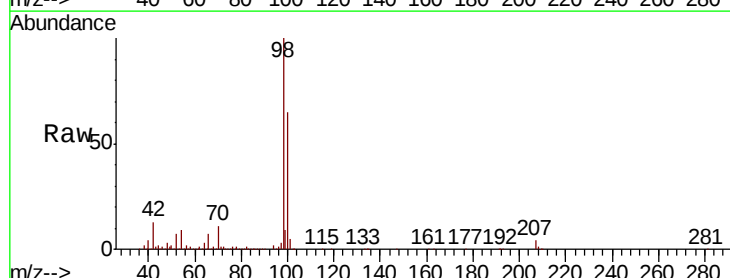
Manual Integrations
APPROVED

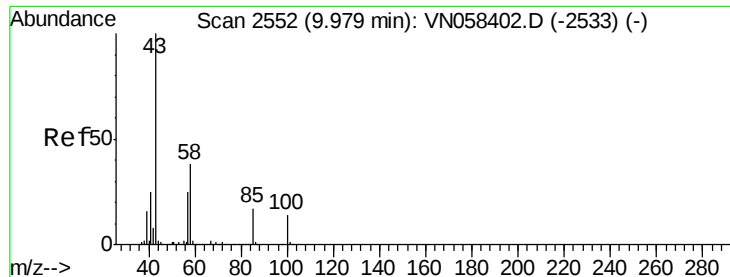
MMDadoda
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#50
Toluene-d8
Concen: 44.297 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion	98	Resp	759066
Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 263.411 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1472161

Ion Ratio Lower Upper

43 100

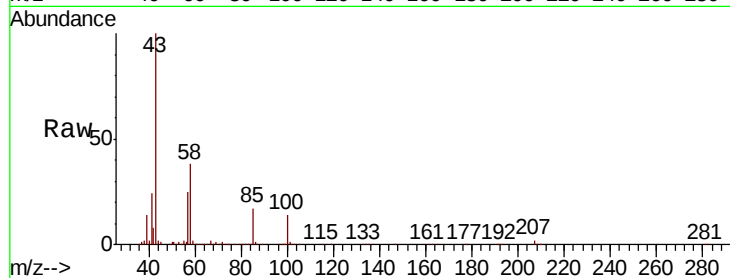
58 37.4 30.2 45.2

Manual Integrations

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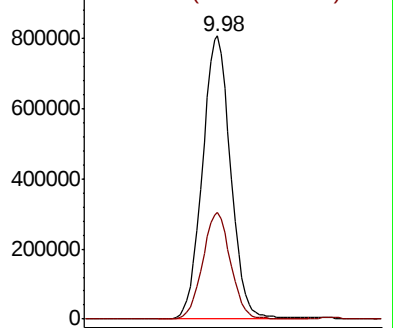
MMDadoda

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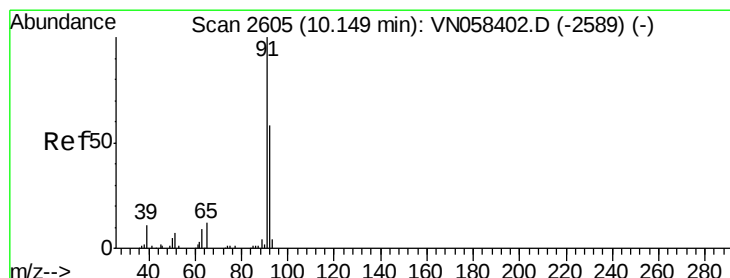
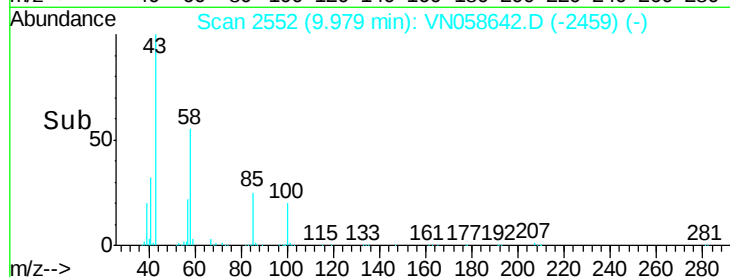


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 46.227 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058642.D

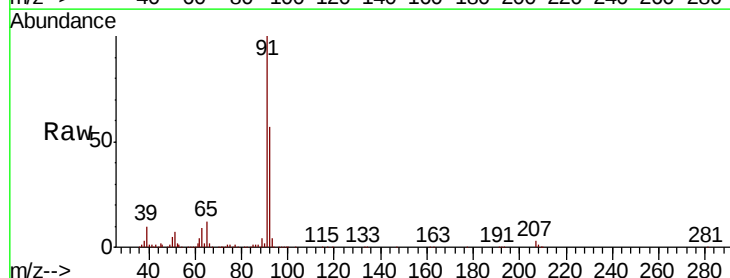
Acq: 9 Oct 2019 15:44

Tgt Ion: 92 Resp: 570780

Ion Ratio Lower Upper

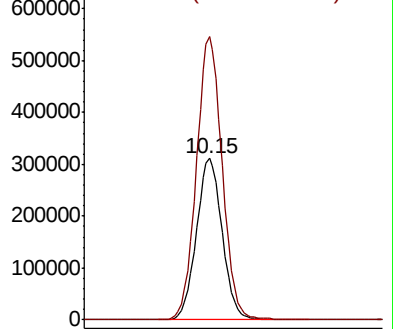
92 100

91 175.2 140.2 210.4

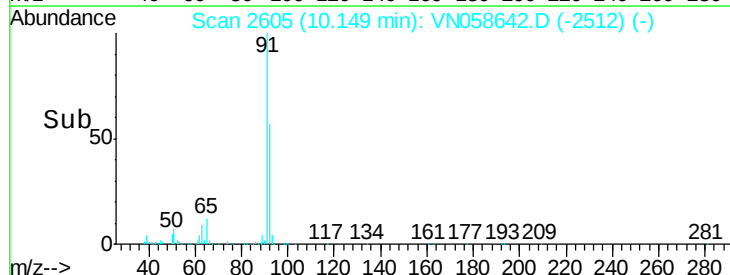


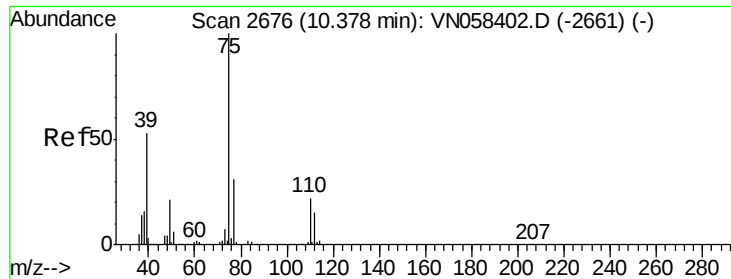
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





#53

t-1,3-Dichloropropene

Concen: 54.491 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 374396

Ion Ratio Lower Upper

75 100

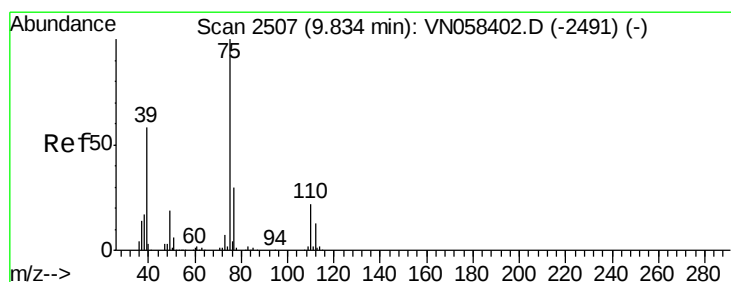
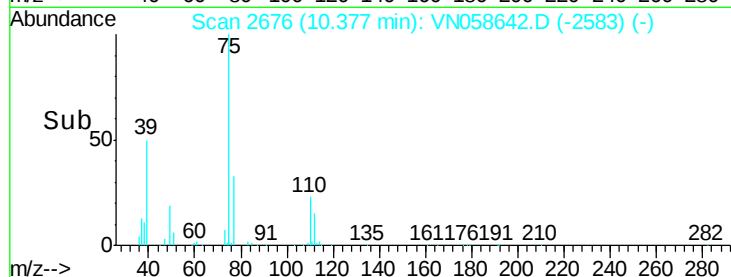
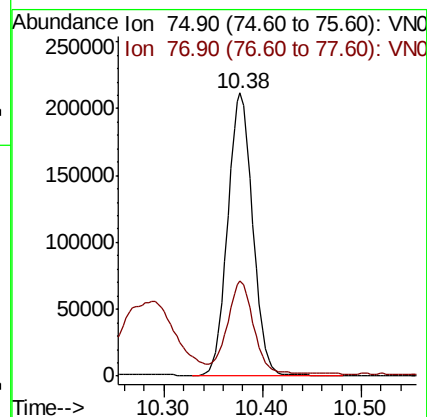
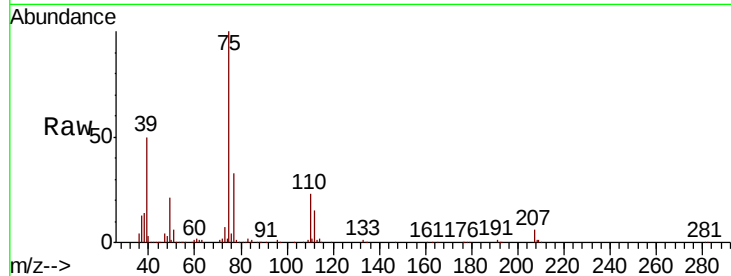
77 32.7 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 52.599 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

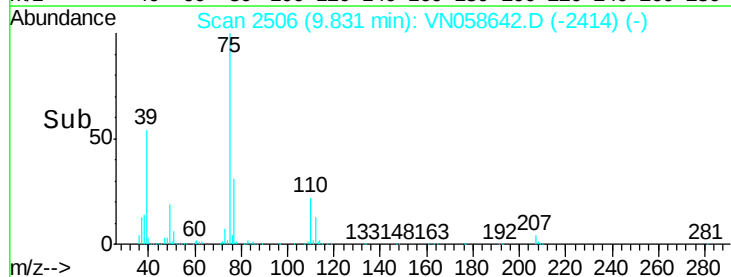
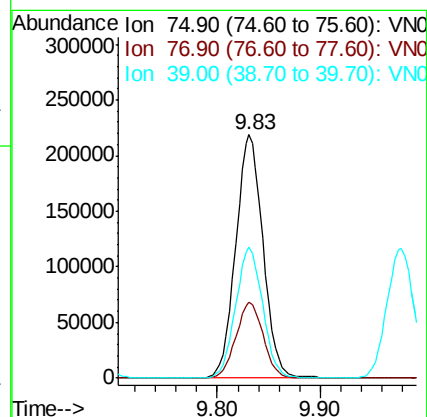
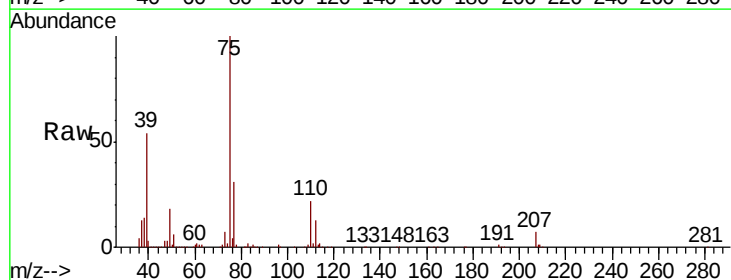
Tgt Ion: 75 Resp: 401168

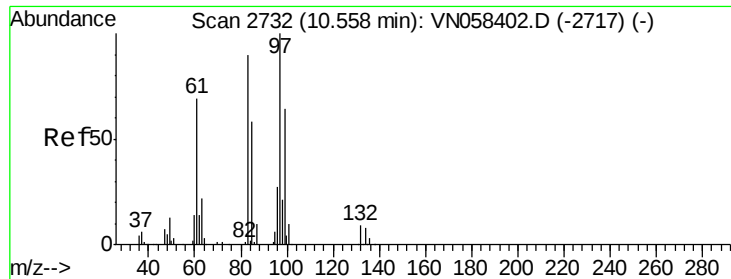
Ion Ratio Lower Upper

75 100

77 31.2 24.2 36.4

39 53.7 46.4 69.6





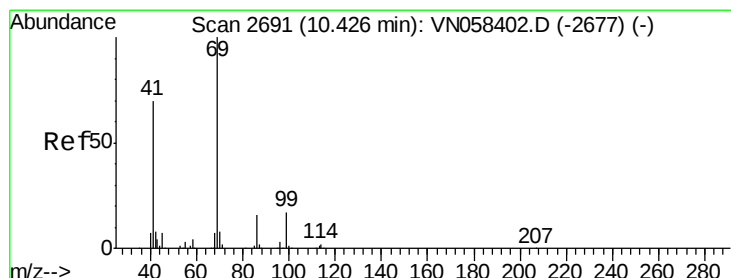
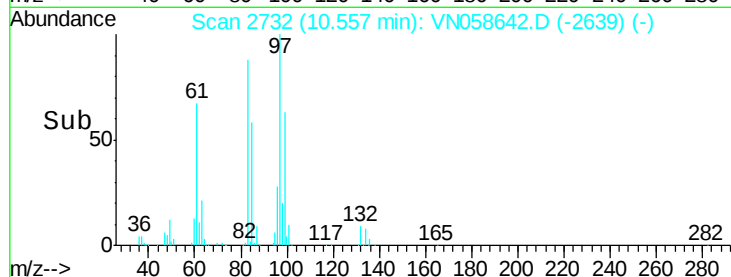
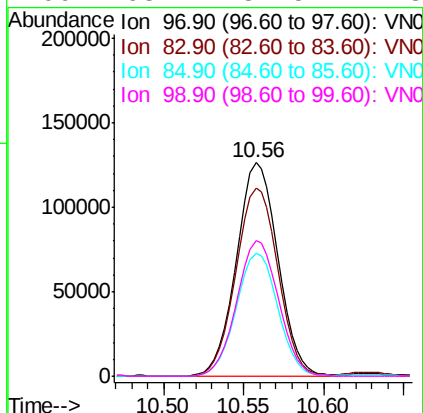
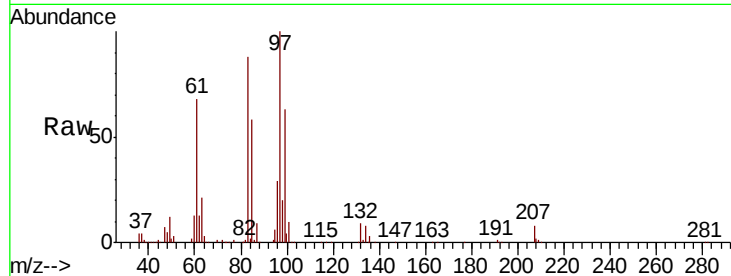
#55
 1,1,2-Trichloroethane
 Concen: 49.862 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		224174		
83	87.7	71.8	107.6		
85	57.5	46.6	69.8		
99	63.1	51.5	77.3		

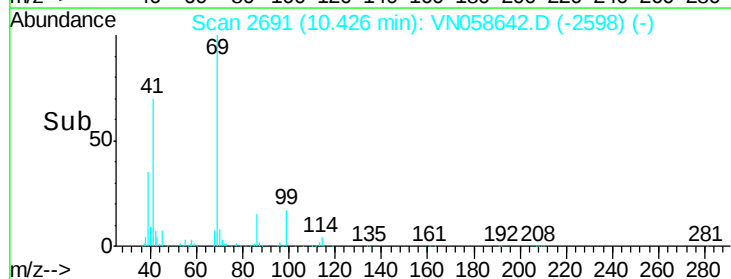
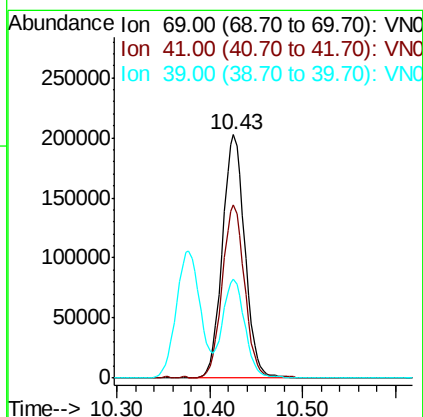
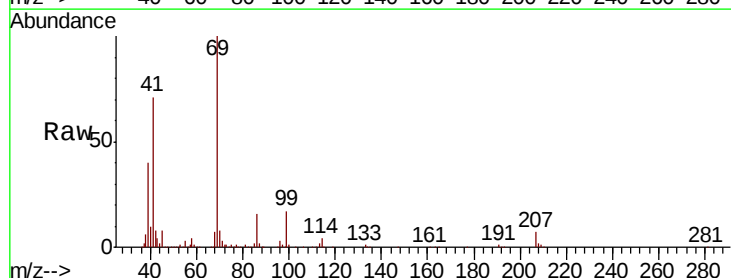
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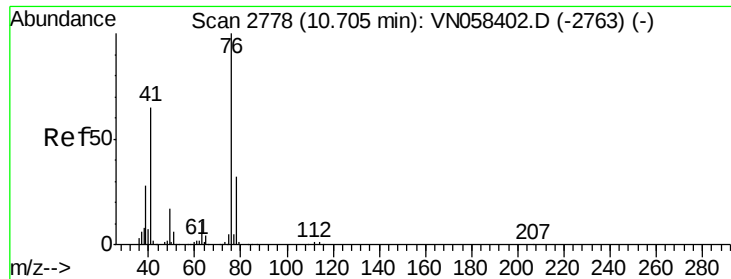
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#56
 Ethyl methacrylate
 Concen: 50.076 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		341619		
41	69.6	56.3	84.5		
39	39.6	35.8	53.6		





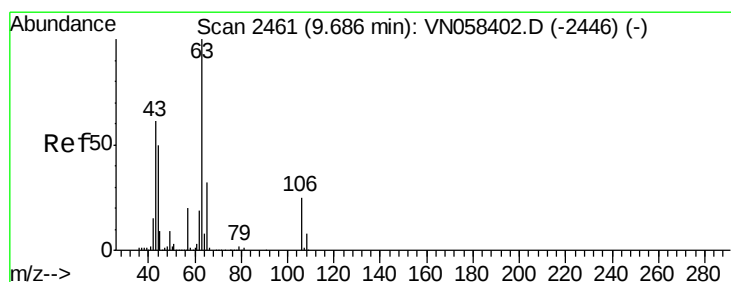
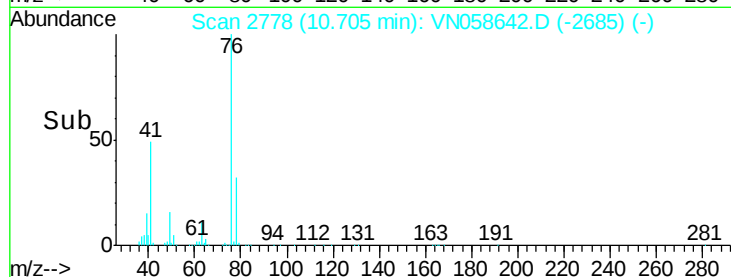
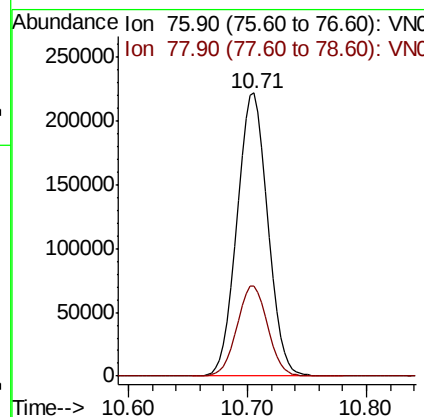
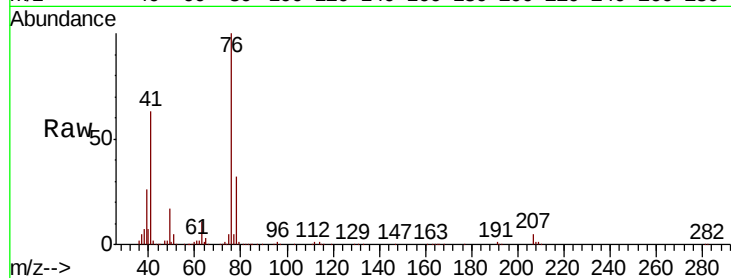
#57
 1,3-Dichloropropane
 Concen: 49.604 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 397793
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

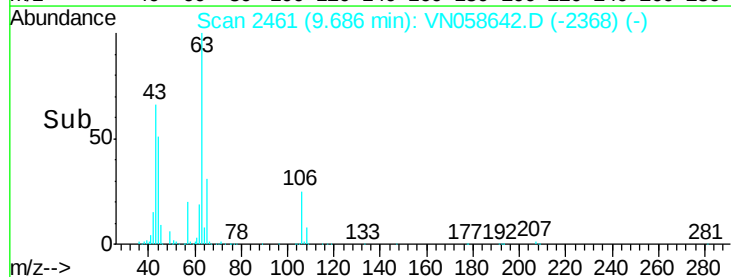
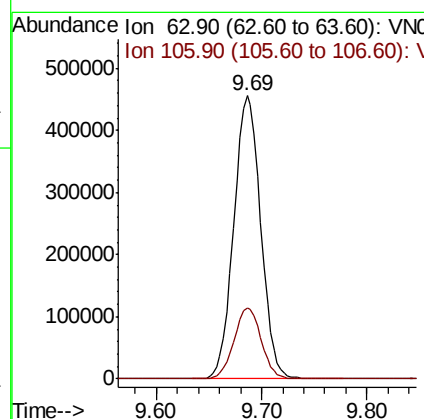
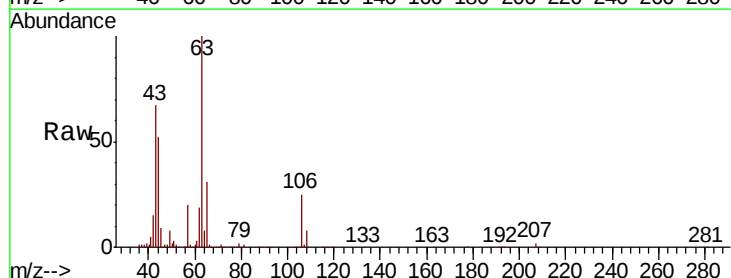
Manual Integrations
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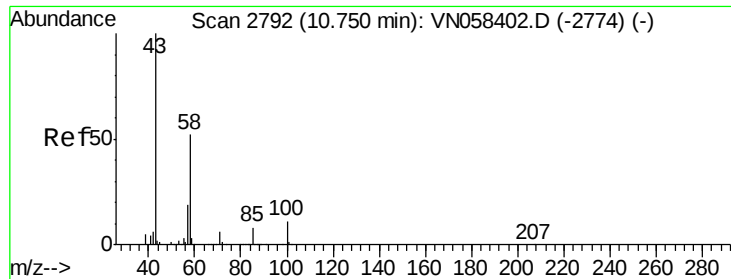
MMDadoda
 10/10/2019 3:20:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 295.350 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion: 63 Resp: 803430
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.3 30.5





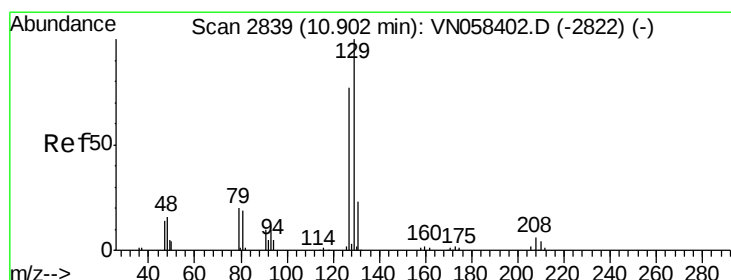
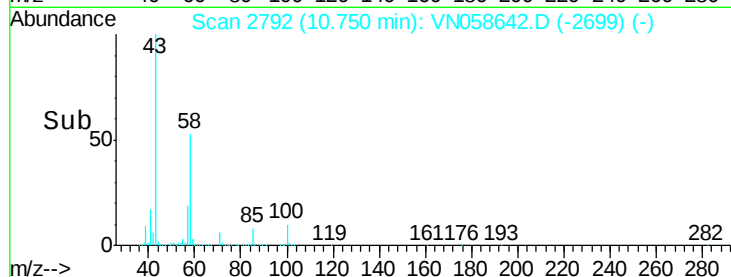
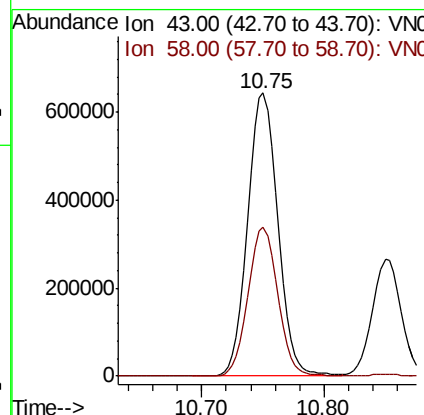
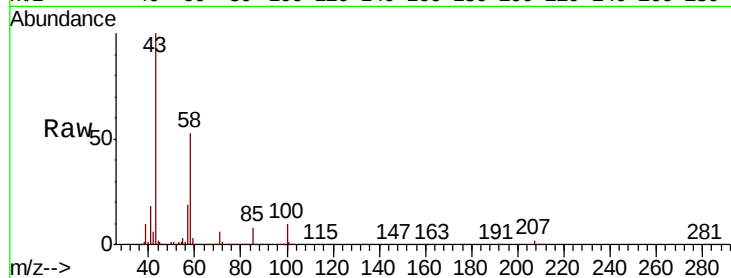
#59
2-Hexanone
Concen: 268.119 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1091113
Ion Ratio Lower Upper
43 100
58 52.2 25.8 77.3

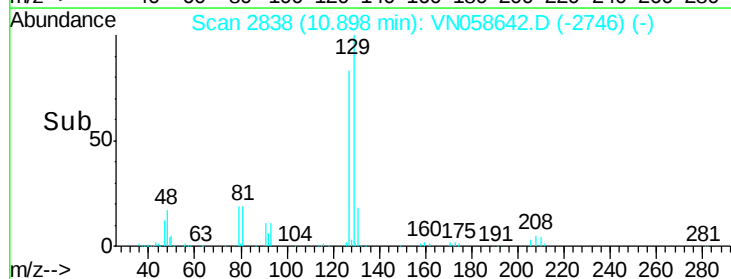
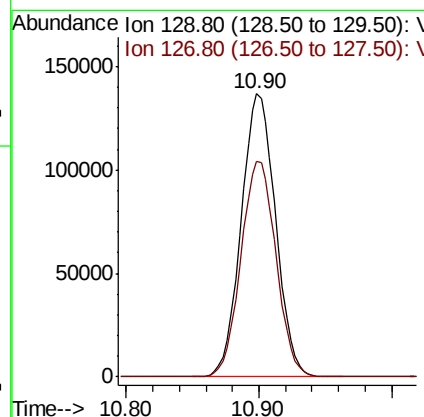
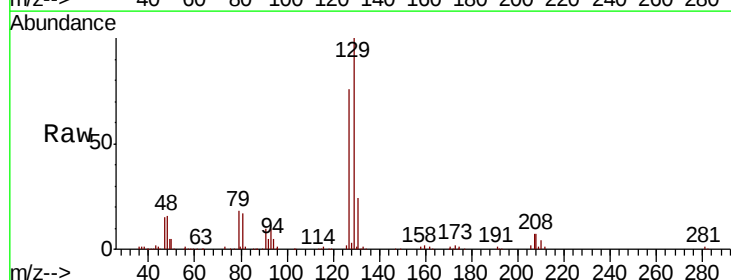
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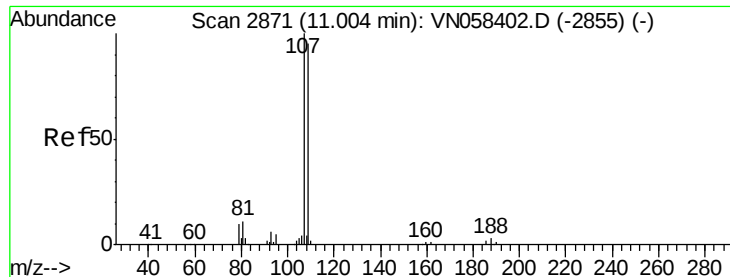
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#60
Dibromochloromethane
Concen: 52.913 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion: 129 Resp: 246196
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





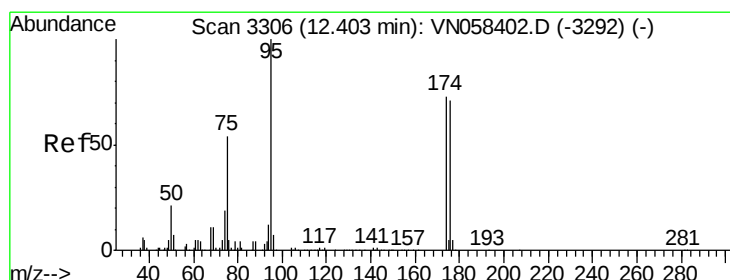
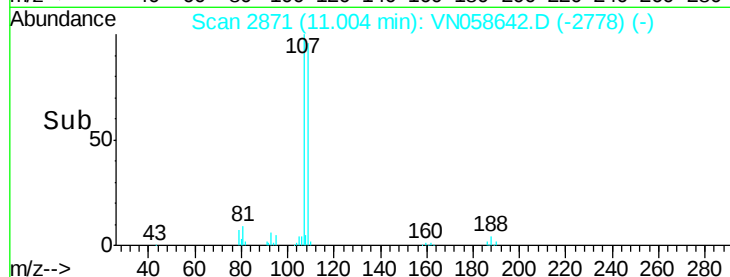
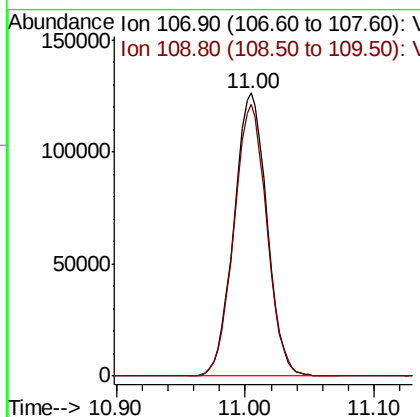
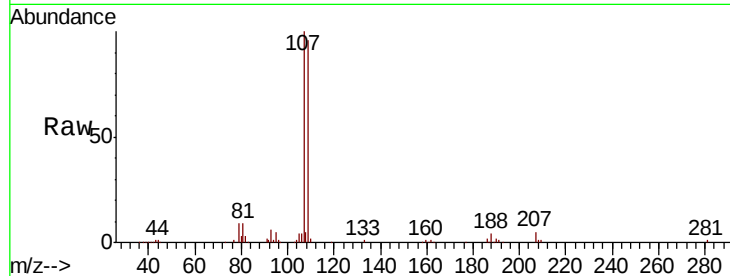
#61
 1,2-Dibromoethane
 Concen: 48.843 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.3	112.9

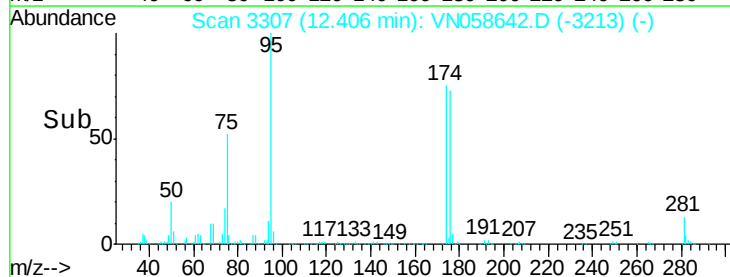
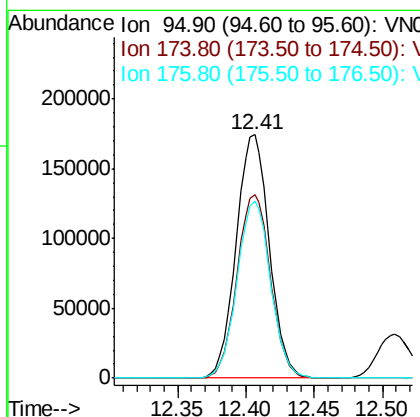
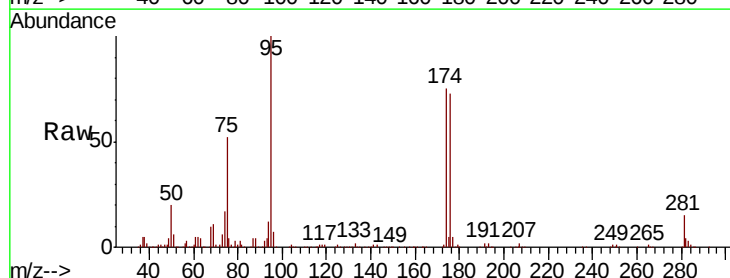
Manual Integrations
 APPROVED

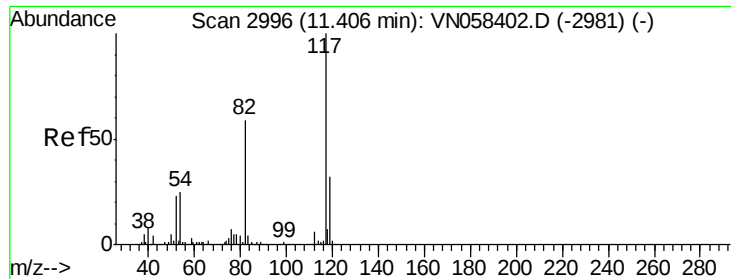
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#62
 4-Bromofluorobenzene
 Concen: 47.514 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	150.6
176	73.1	0.0	146.2





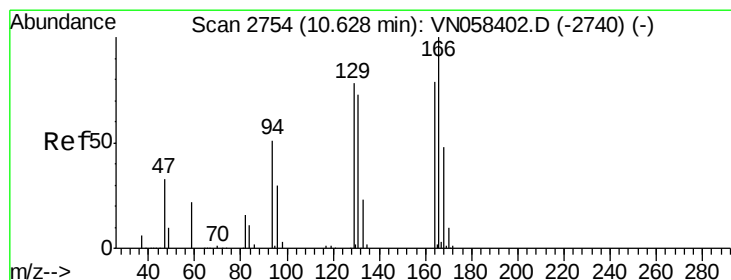
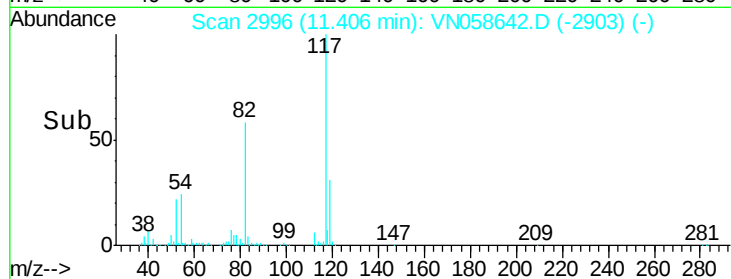
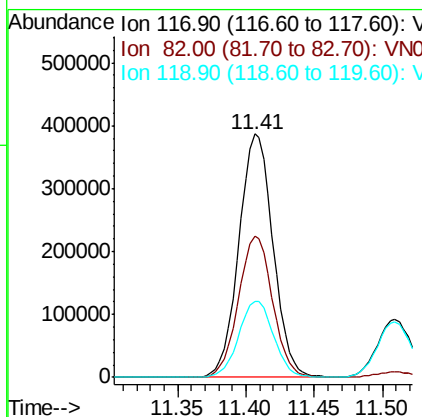
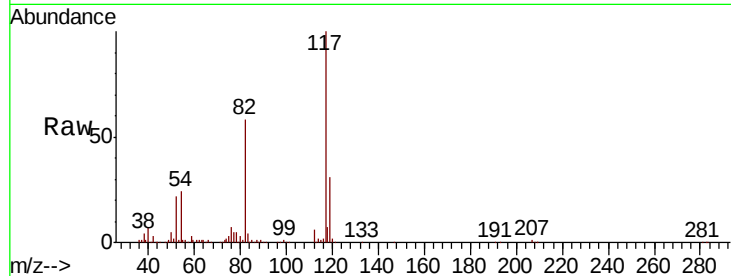
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.4	71.0
119	31.3	25.5	38.3

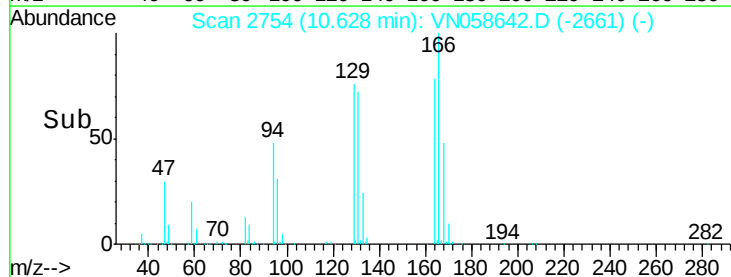
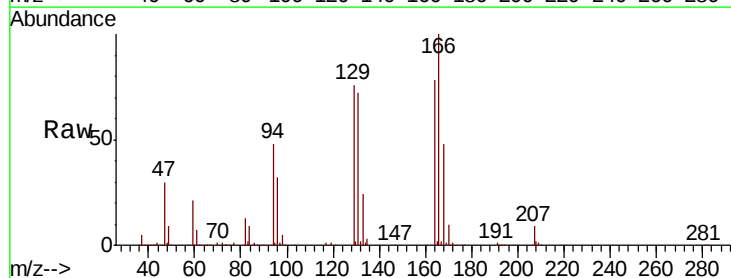
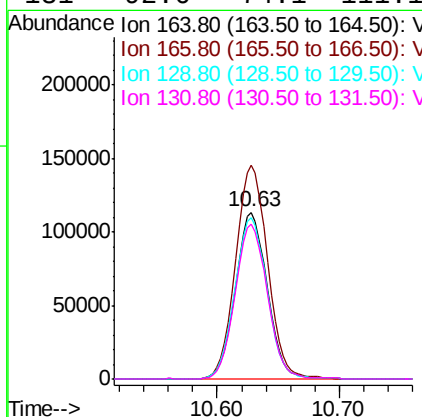
Manual Integrations
APPROVED

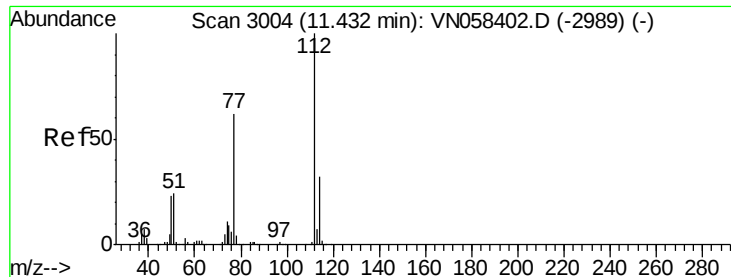
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#64
Tetrachloroethene
Concen: 47.829 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.1	151.7
129	96.8	79.2	118.8
131	92.6	74.1	111.1





#65

Chlorobenzene

Concen: 45.997 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 614955

Ion Ratio Lower Upper

112 100

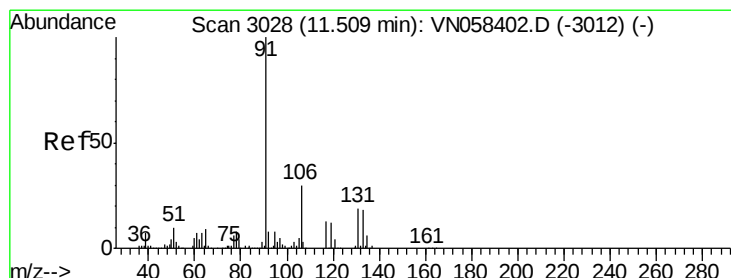
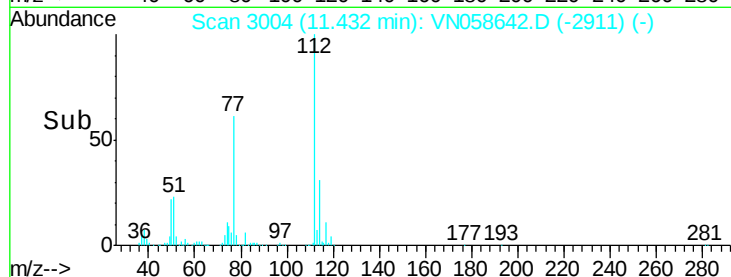
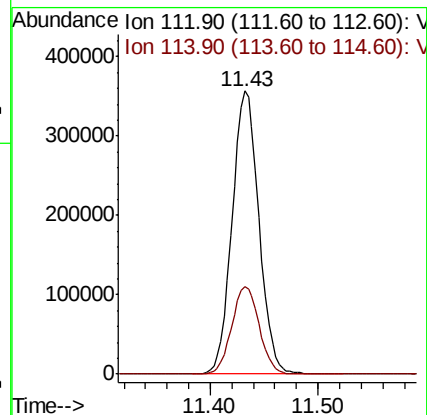
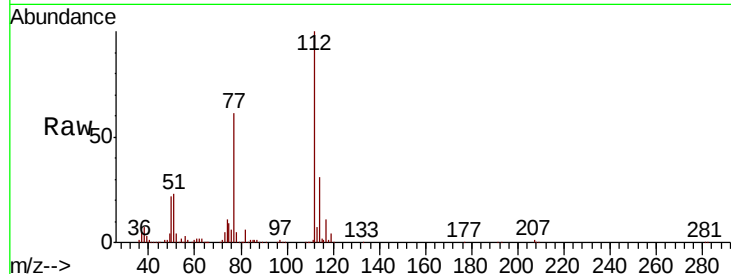
114 30.8 25.4 38.2

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.343 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

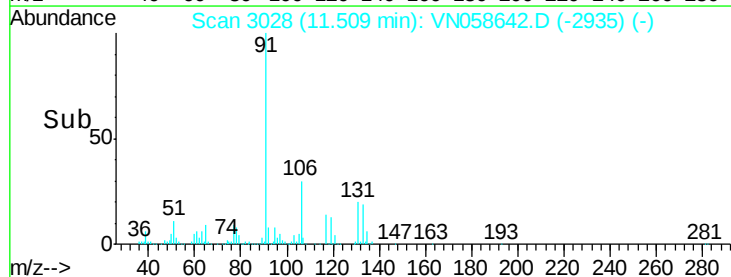
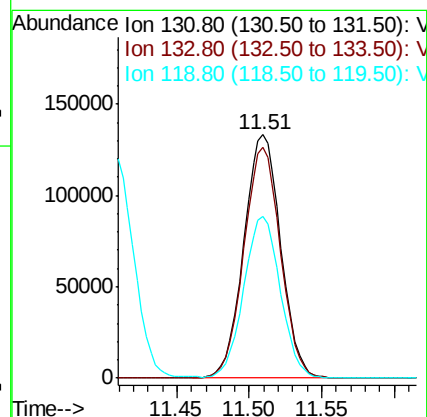
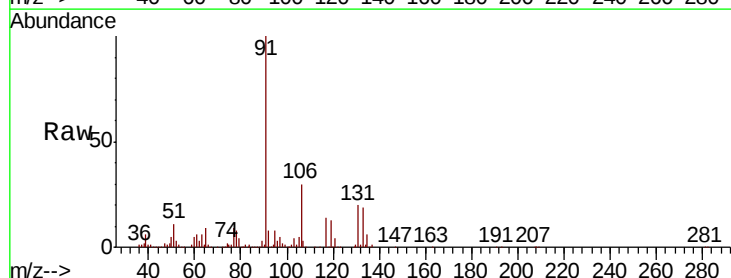
Tgt Ion:131 Resp: 235779

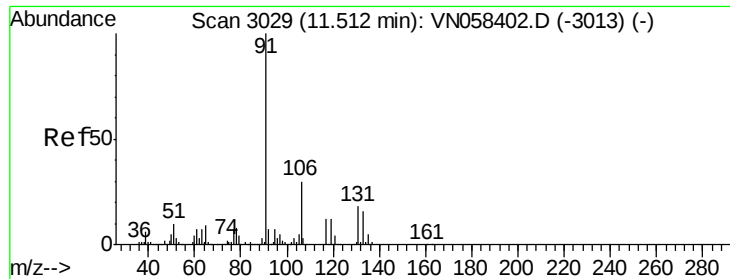
Ion Ratio Lower Upper

131 100

133 93.9 47.8 143.3

119 65.9 33.0 99.0





#67

Ethyl Benzene

Concen: 46.968 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1137385

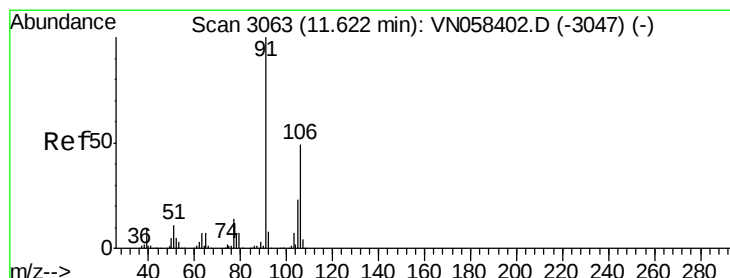
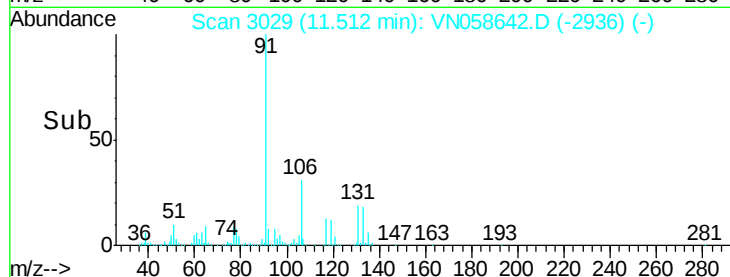
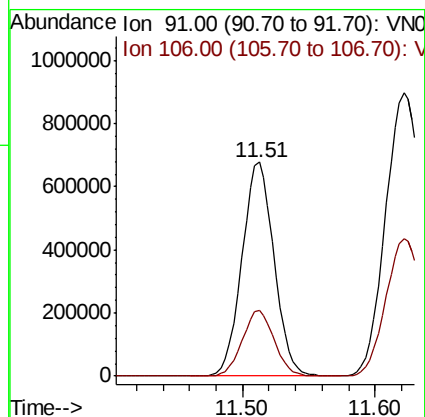
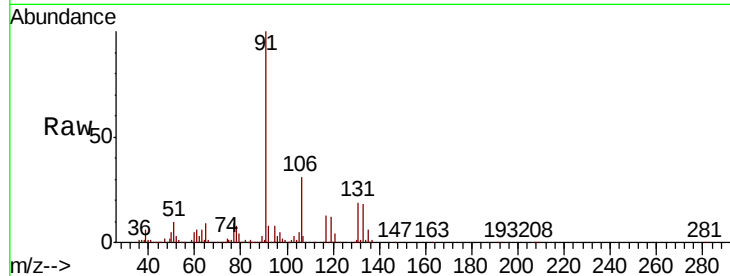
Ion Ratio Lower Upper

91 100

106 30.6 24.3 36.5

Manual Integrations
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#68

m/p-Xylenes

Concen: 92.508 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058642.D

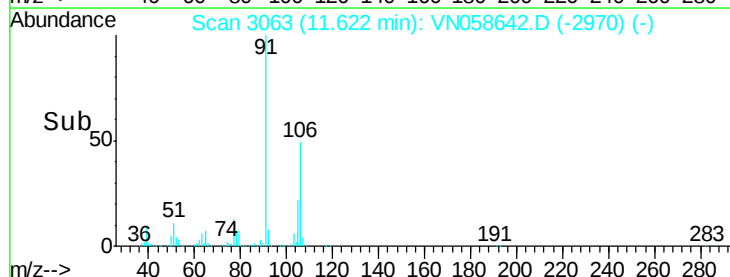
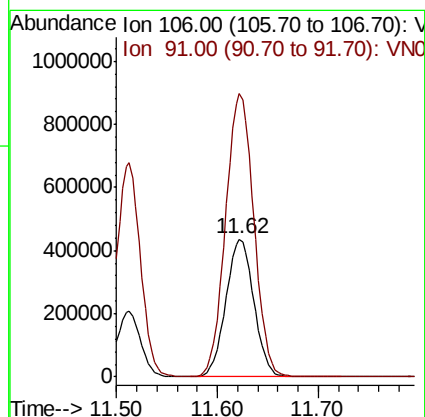
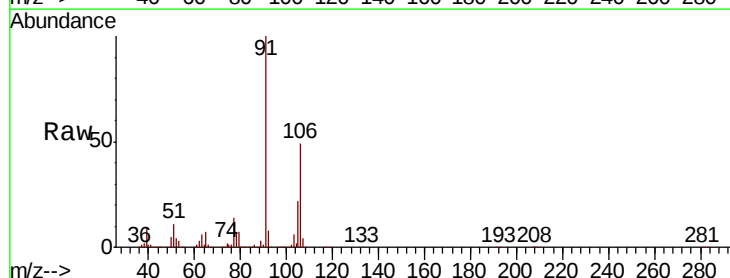
Acq: 9 Oct 2019 15:44

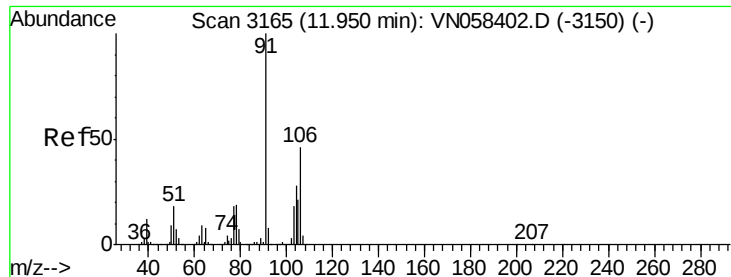
Tgt Ion: 106 Resp: 842847

Ion Ratio Lower Upper

106 100

91 208.0 165.0 247.4





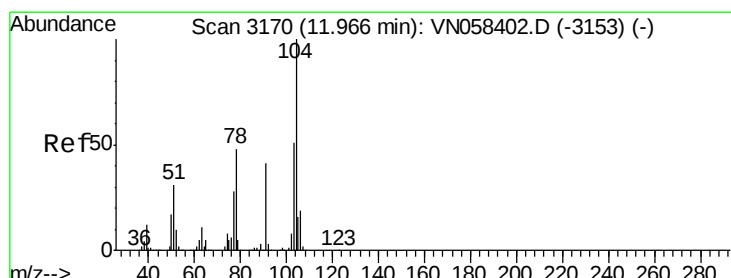
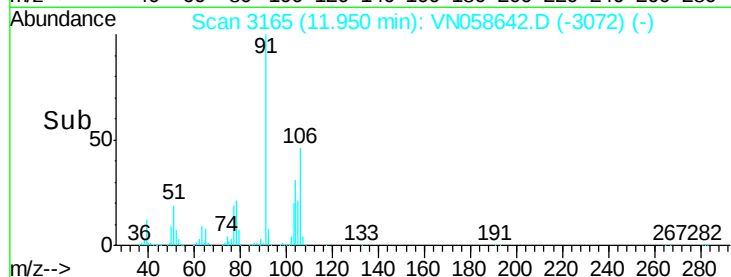
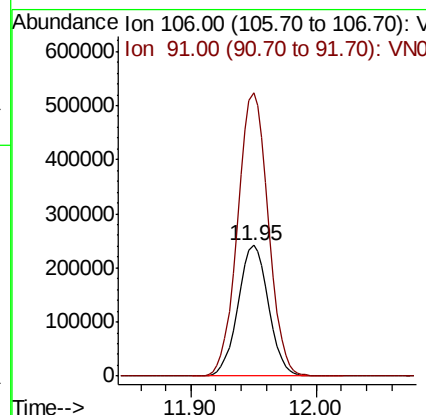
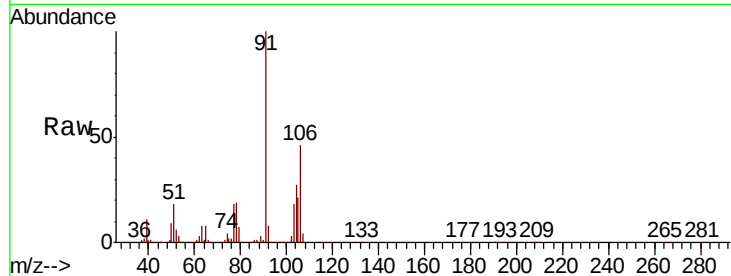
#69
o-Xylene
Concen: 46.369 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.9	109.1	327.4

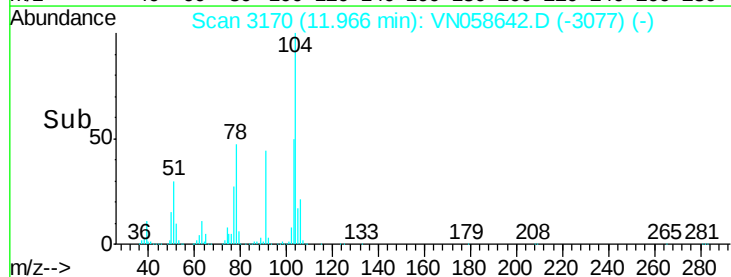
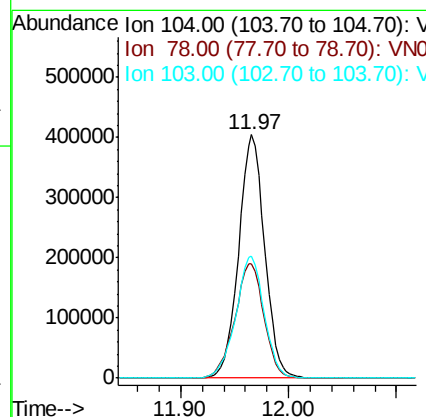
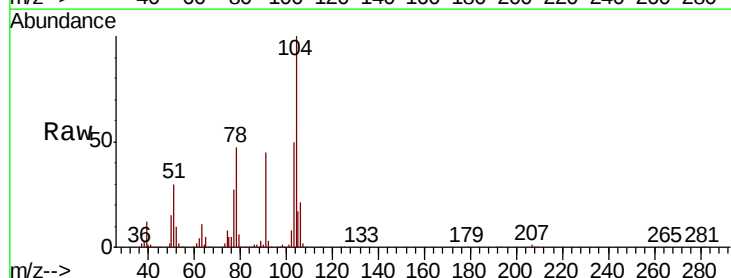
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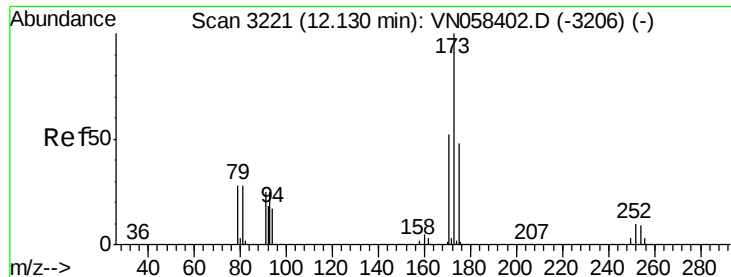
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#70
Styrene
Concen: 47.764 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.9	42.8	64.2
103	54.4	43.7	65.5





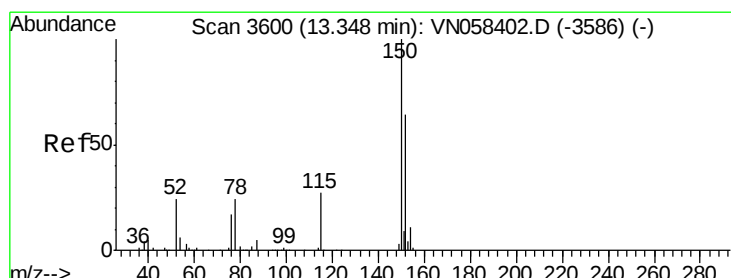
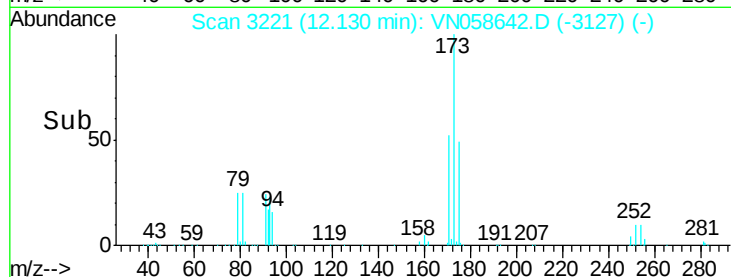
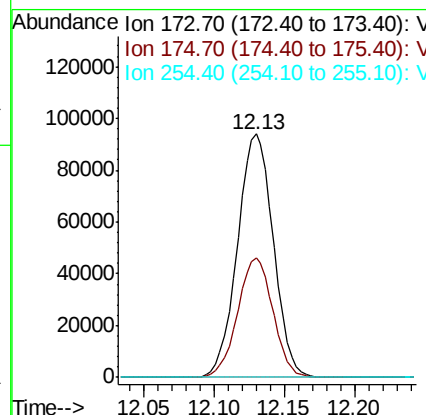
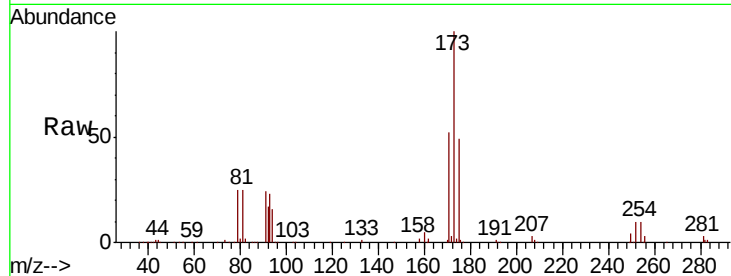
#71
Bromoform
Concen: 53.714 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	73.0
254	0.1	0.1	0.1#

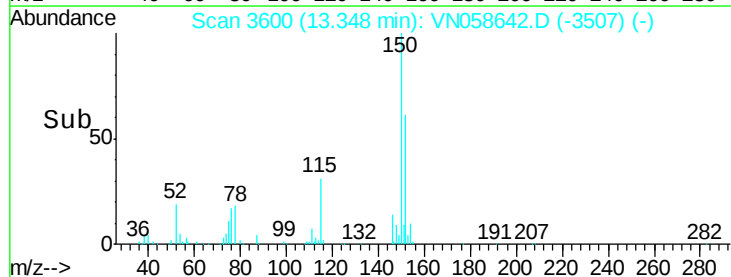
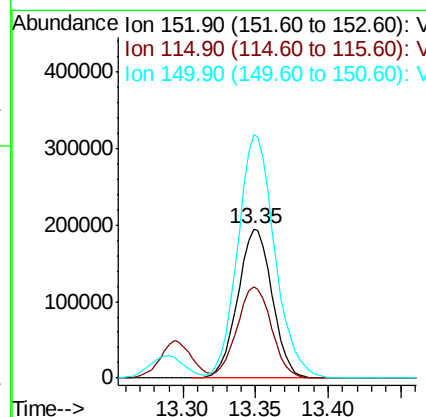
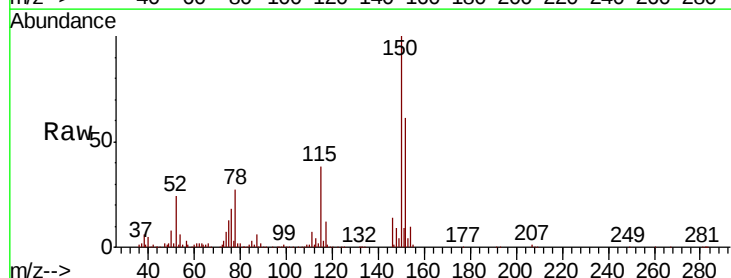
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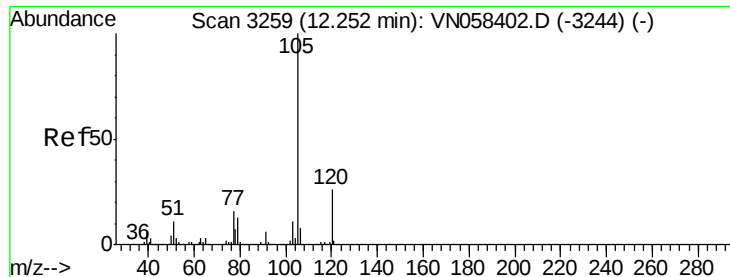
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	30.0	90.0
150	175.2	0.0	348.2





#73

Isopropylbenzene

Concen: 46.951 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1113966

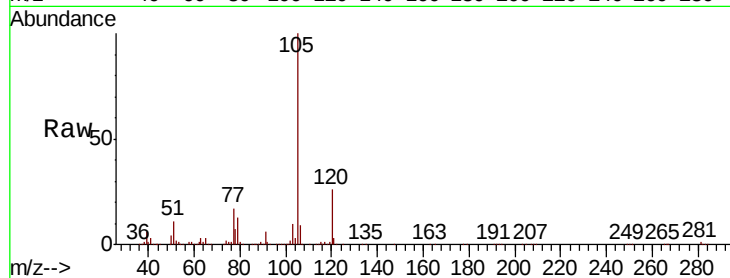
Ion Ratio Lower Upper

105 100

120 25.7 12.8 38.4

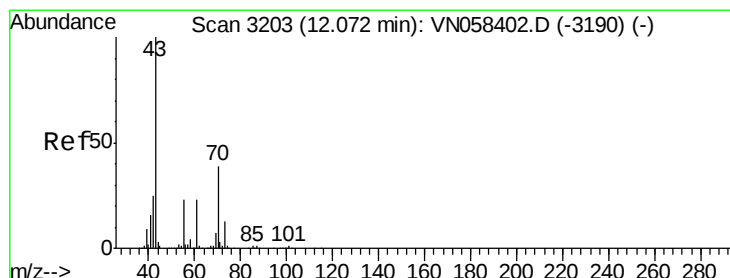
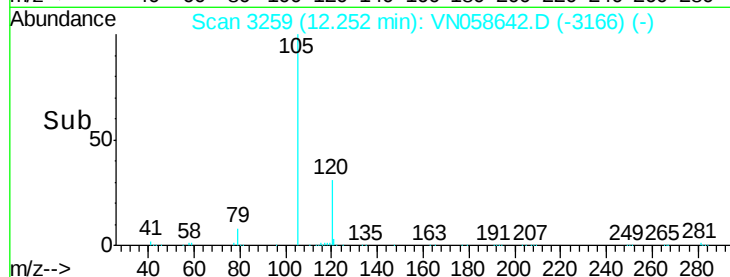
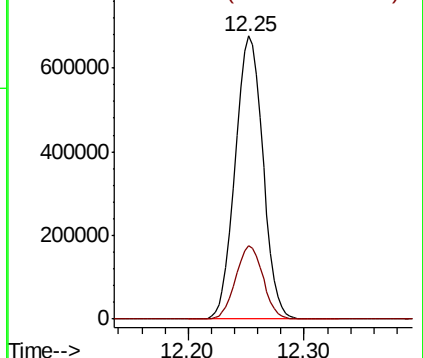
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.718 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion: 43 Resp: 440972

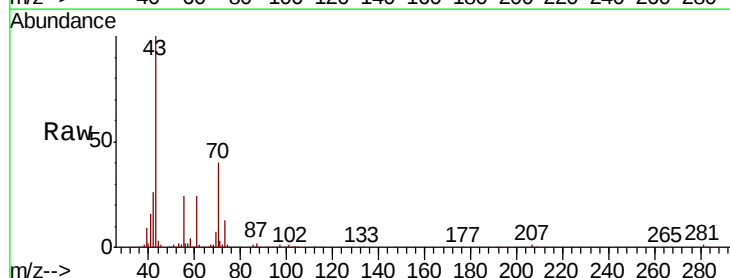
Ion Ratio Lower Upper

43 100

70 40.3 31.4 47.2

55 24.4 18.2 27.4

61 23.6 18.3 27.5

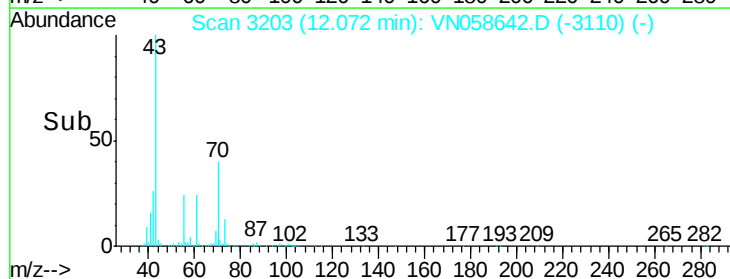
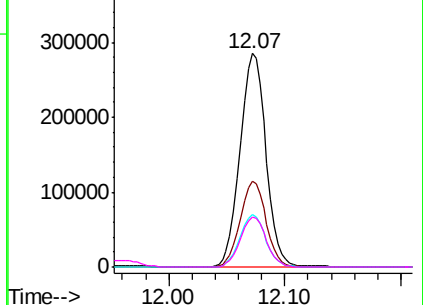


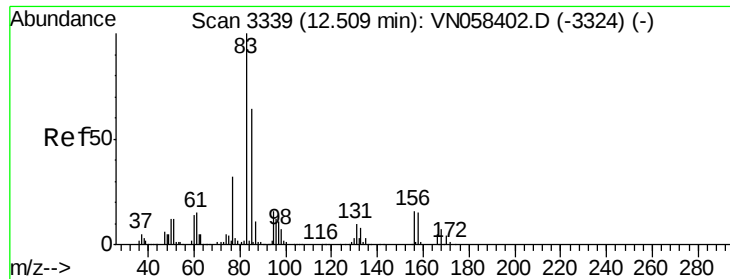
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.386 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

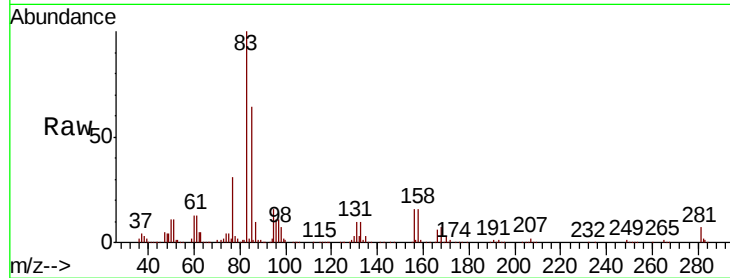
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	332452
Ion Ratio	Lower	Upper	
83	100		
131	10.3	4.9	14.7
85	64.5	32.0	96.0

Manual Integrations
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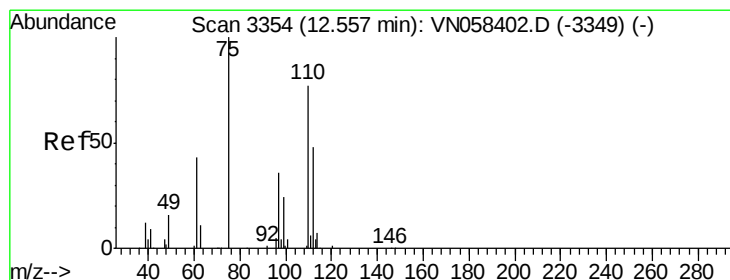
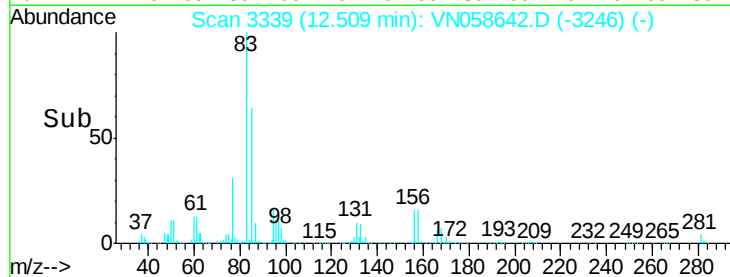
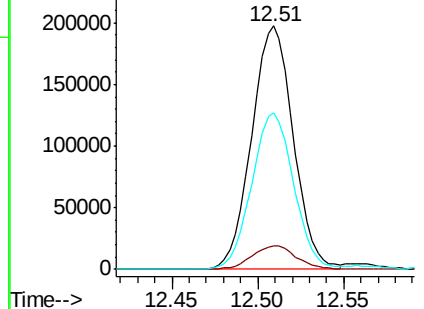
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Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 51.013 ug/l m

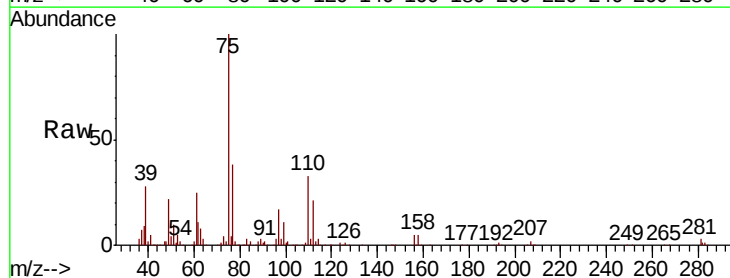
RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058642.D

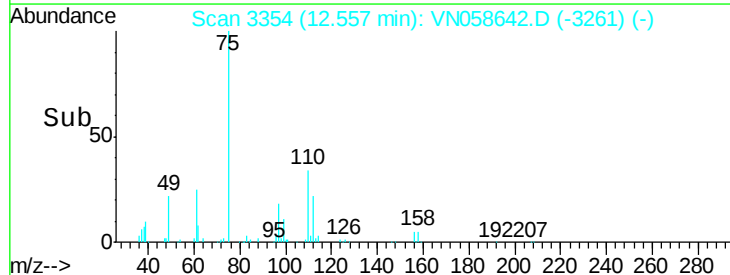
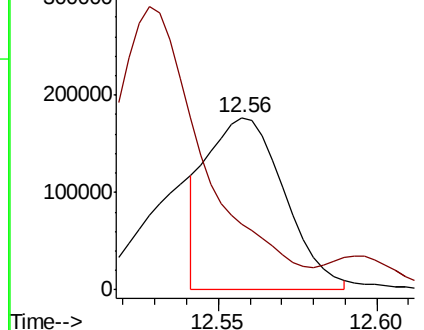
Acq: 9 Oct 2019 15:44

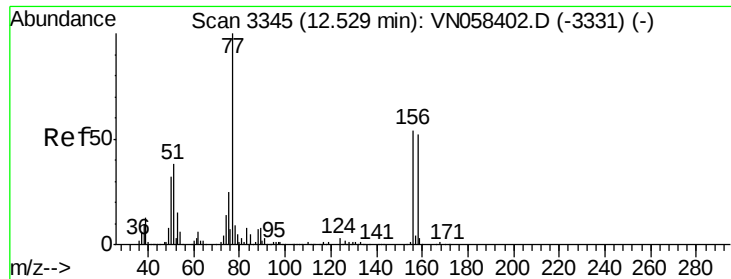
Tgt Ion:	75	Resp:	299139
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 47.575 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

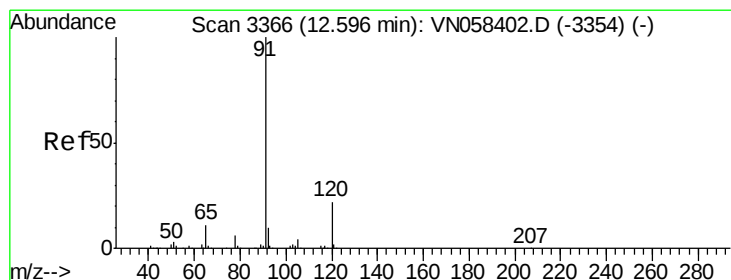
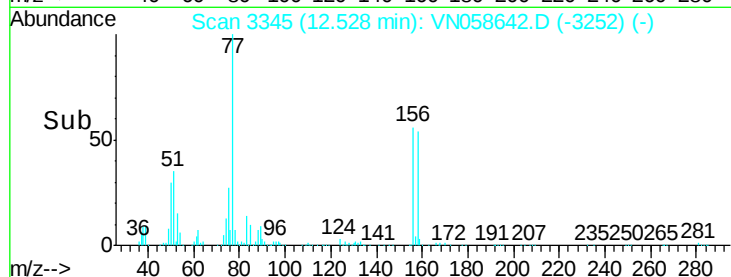
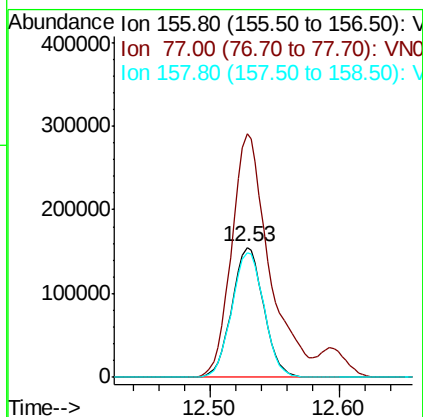
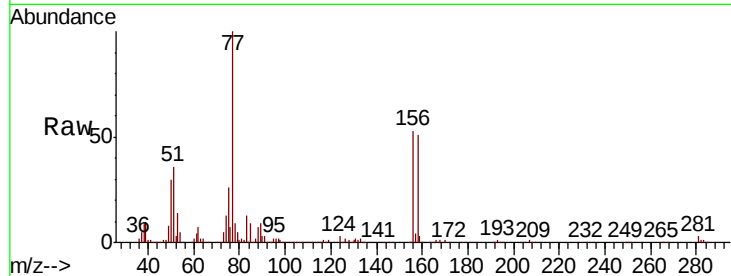
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	264670
Ion Ratio	Lower	Upper	
156	100		
77	222.2	110.0	330.0
158	97.4	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 49.150 ug/l

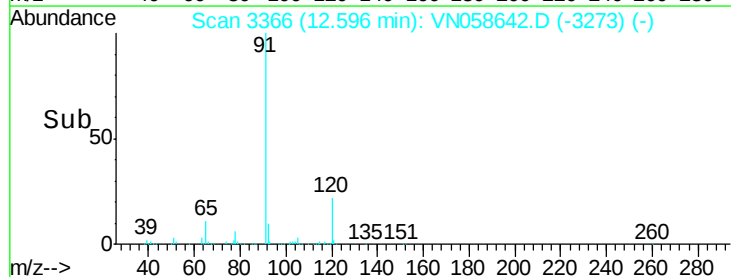
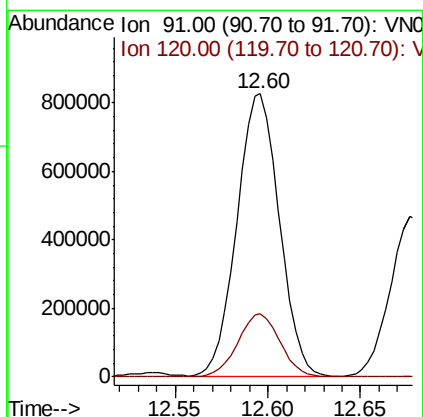
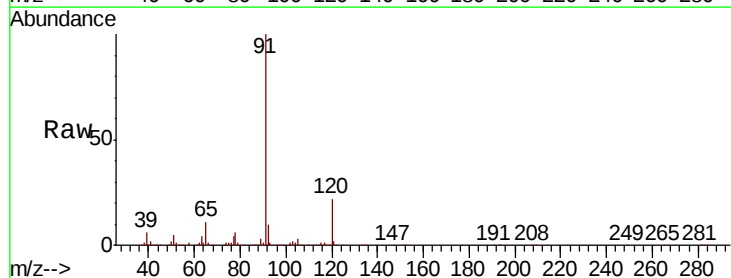
RT: 12.60 min Scan# 3366

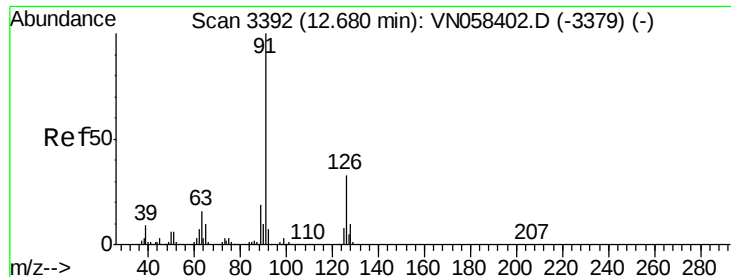
Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion:	91	Resp:	1313776
Ion Ratio	Lower	Upper	
91	100		
120	22.2	10.9	32.9





#79

2-Chlorotoluene

Concen: 47.641 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 786023

Ion Ratio Lower Upper

91 100

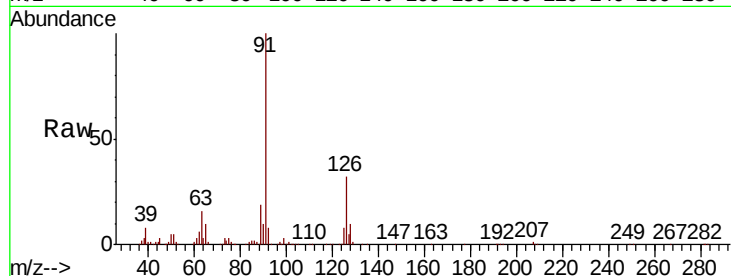
126 32.4 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VN058402.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058402.D (-3379) (-)

800000

600000

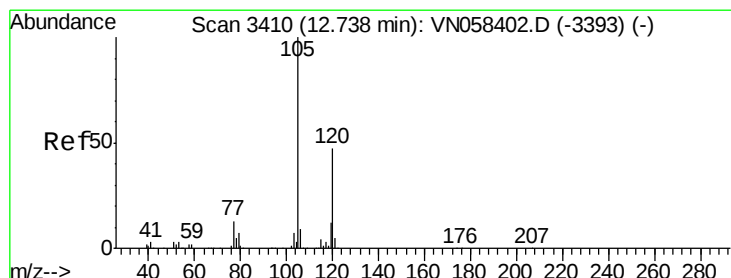
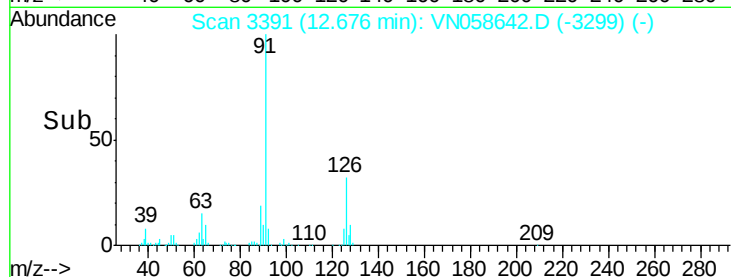
400000

200000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.347 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058642.D

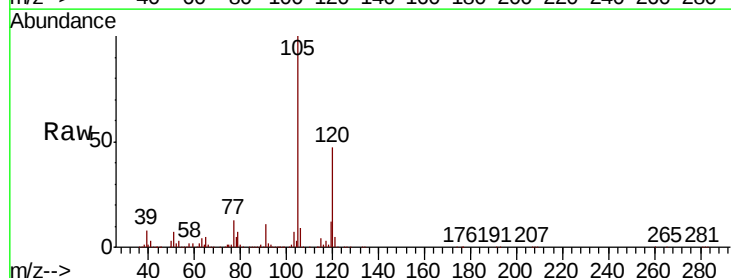
Acq: 9 Oct 2019 15:44

Tgt Ion: 105 Resp: 960229

Ion Ratio Lower Upper

105 100

120 47.4 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058402.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058402.D (-3393) (-)

600000

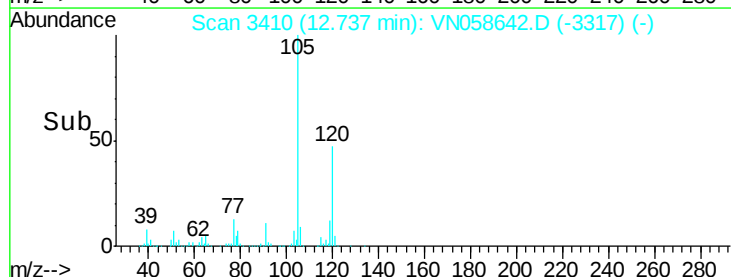
400000

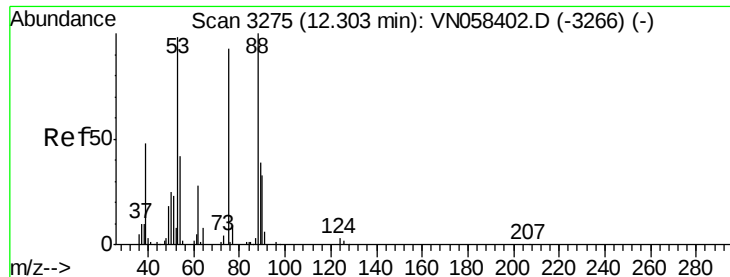
200000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 55.829 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

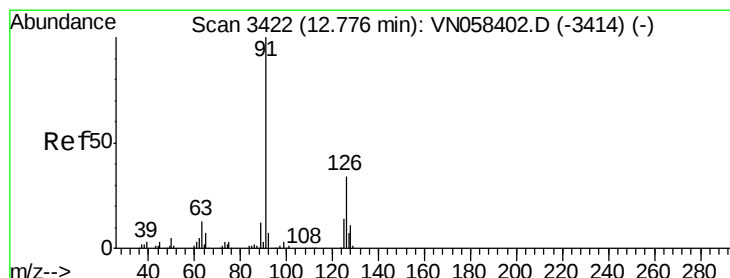
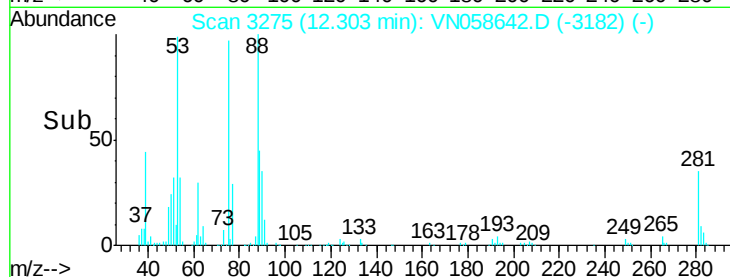
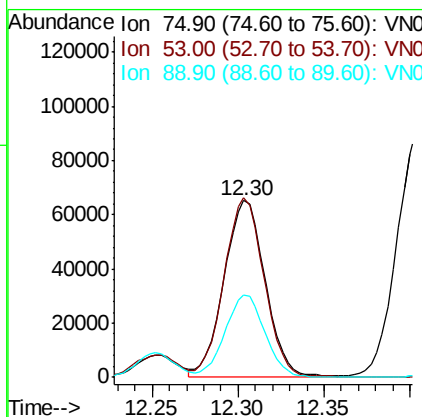
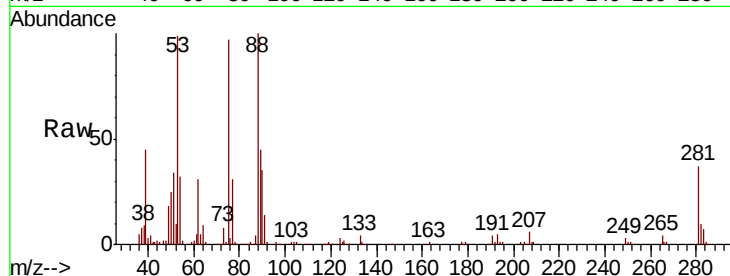
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	107792
Ion	Ratio	Lower	Upper
75	100		
53	100.1	85.4	128.0
89	45.0	35.0	52.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.731 ug/l

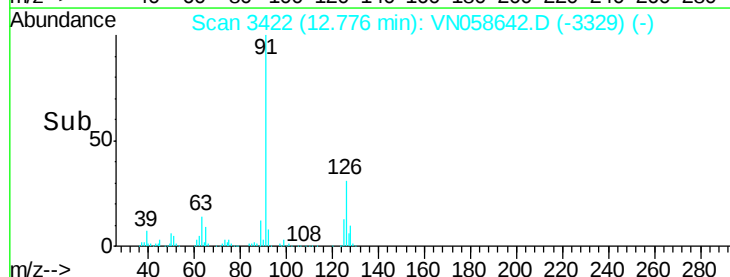
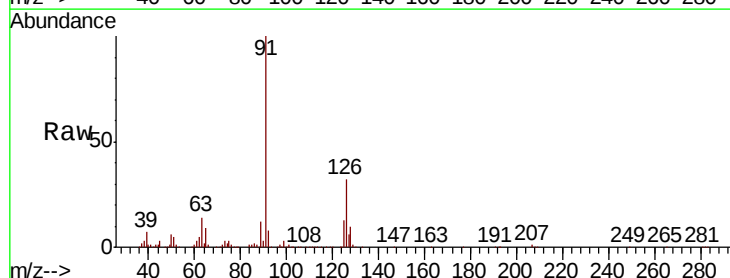
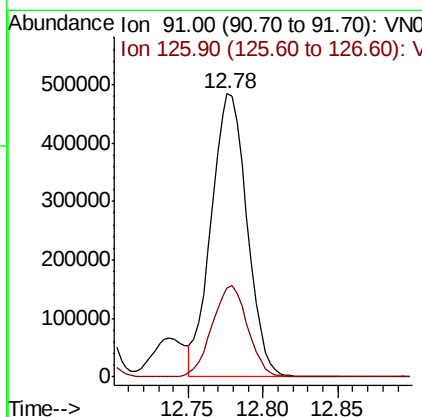
RT: 12.78 min Scan# 3422

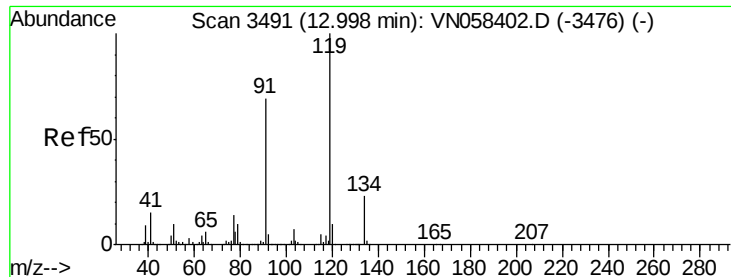
Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion:	91	Resp:	803563
Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.9	47.7





#83

tert-Butylbenzene

Concen: 47.745 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

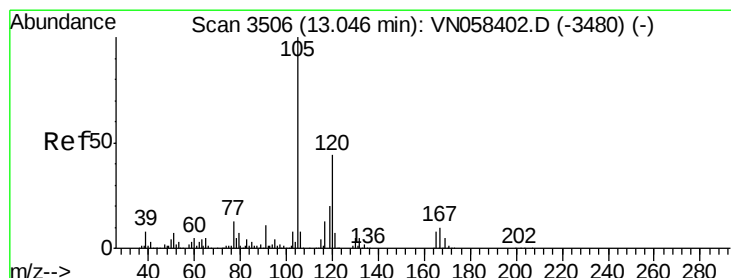
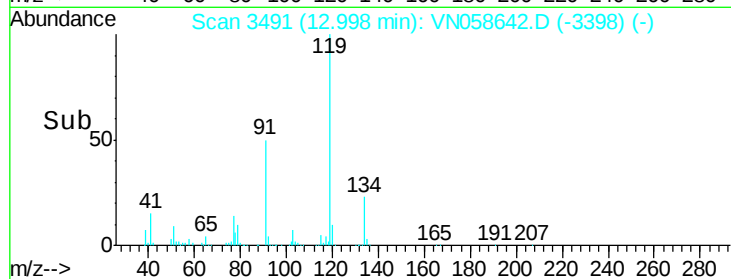
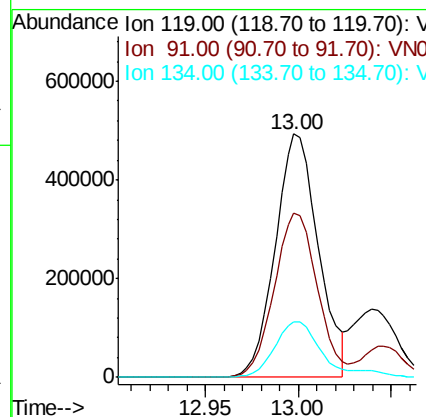
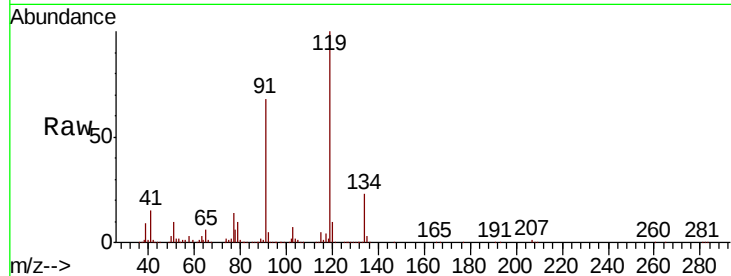
ClientSampleId :

VSTDCCC050

Tot Ion:119	Resp:	800165
Ion Ratio	Lower	Upper
119	100	
91	67.7	34.2 102.6
134	25.6	11.6 34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 48.637 ug/l

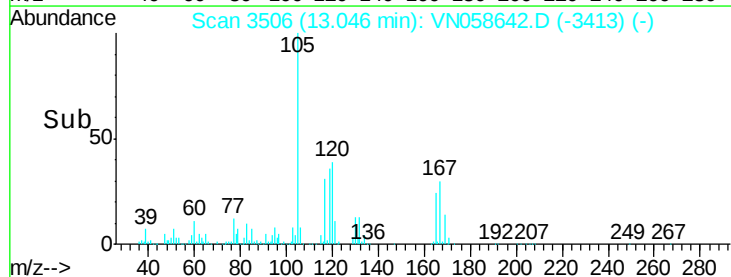
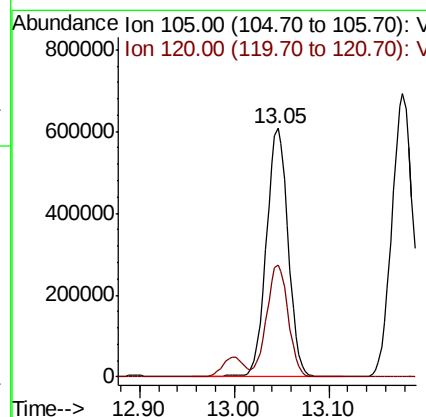
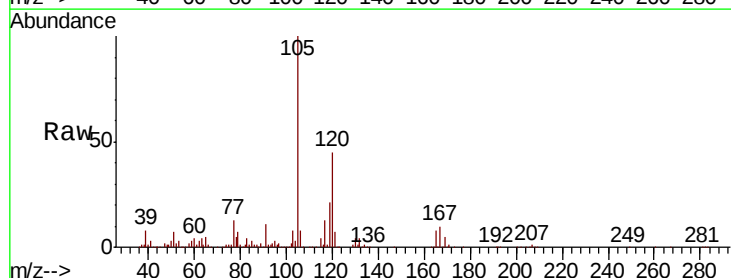
RT: 13.05 min Scan# 3506

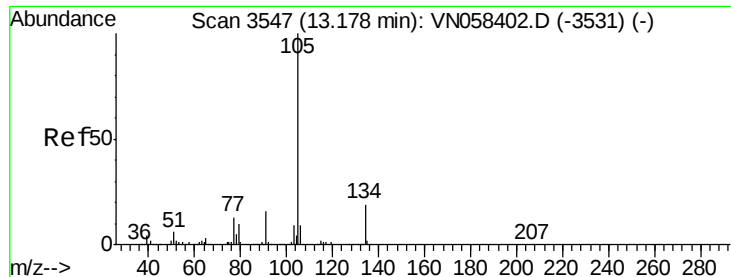
Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion:105	Resp:	967829
Ion Ratio	Lower	Upper
105	100	
120	44.7	21.7 65.1





#85

sec-Butylbenzene

Concen: 49.129 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1083710

Ion Ratio Lower Upper

105 100

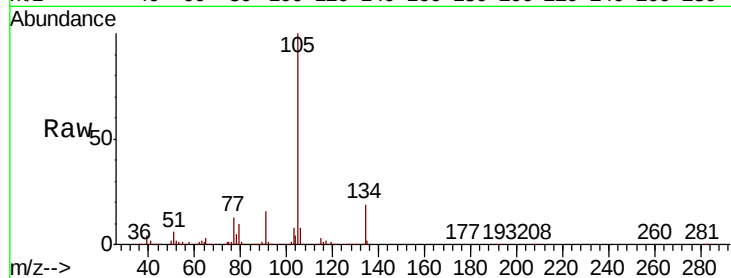
134 19.2 9.4 28.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

800000

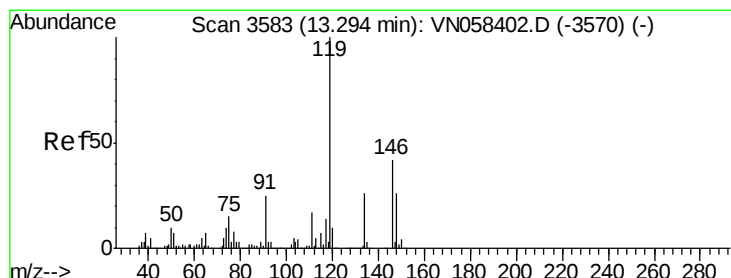
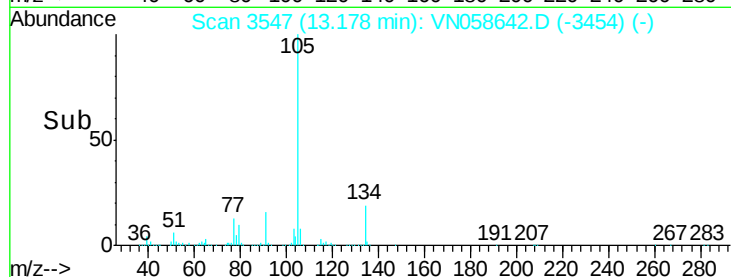
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 50.887 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

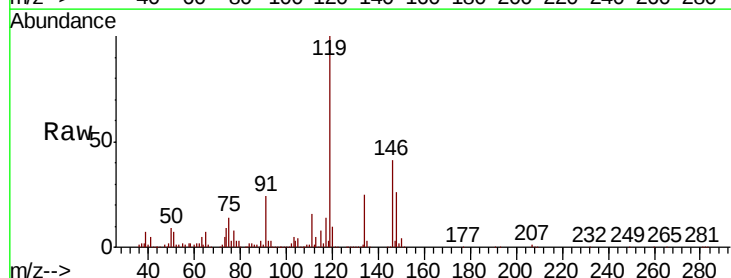
Tgt Ion:119 Resp: 988062

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 24.1 12.4 37.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

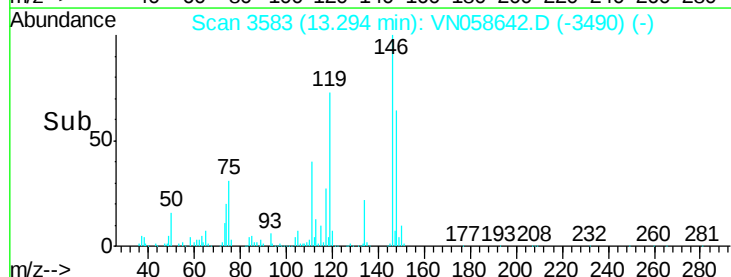
600000

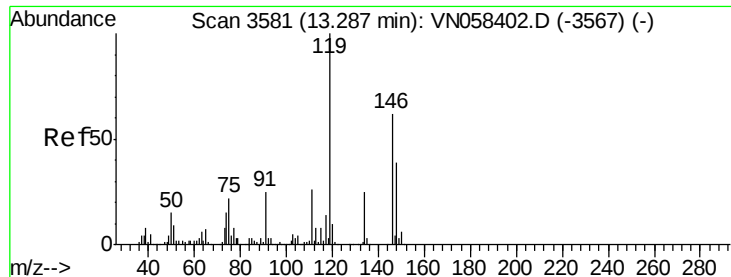
400000

200000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.384 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Instrument :

MSVOA_N

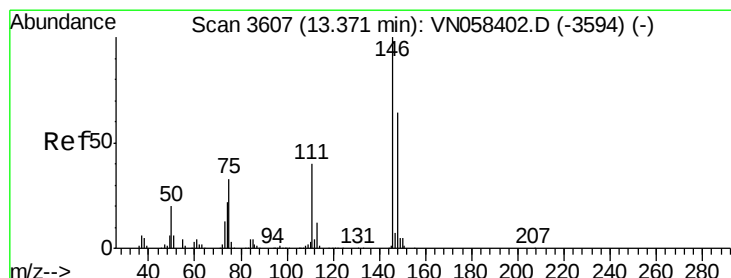
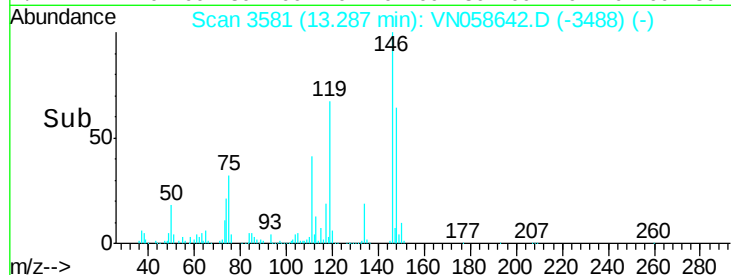
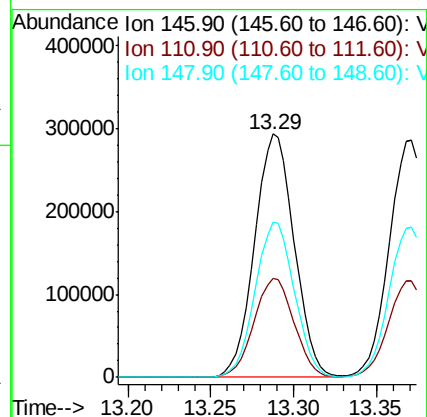
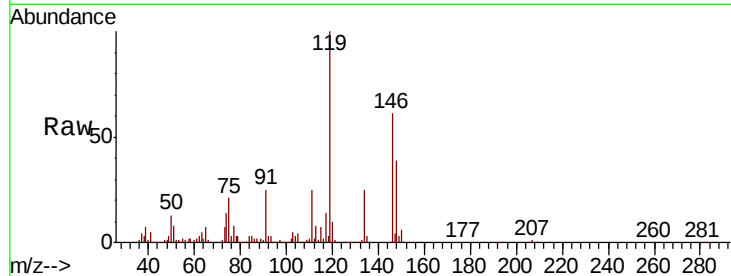
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	488080
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.8	62.4
148	63.3	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.303 ug/l

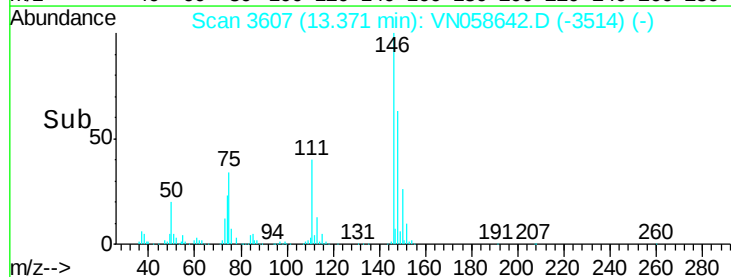
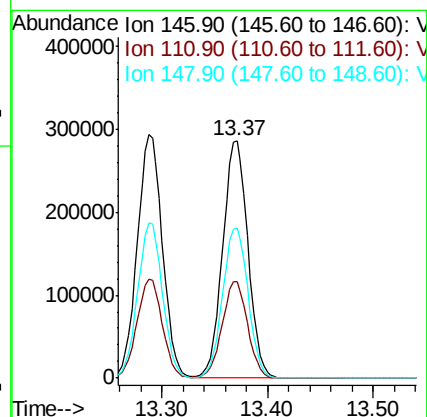
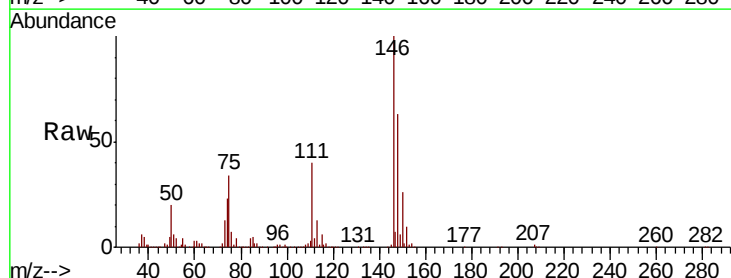
RT: 13.37 min Scan# 3607

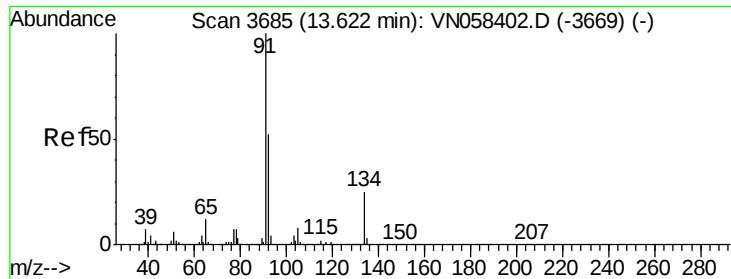
Delta R.T. -0.00 min

Lab File: VN058642.D

Acq: 9 Oct 2019 15:44

Tgt Ion:	146	Resp:	474755
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.5	61.6
148	63.6	31.5	94.5





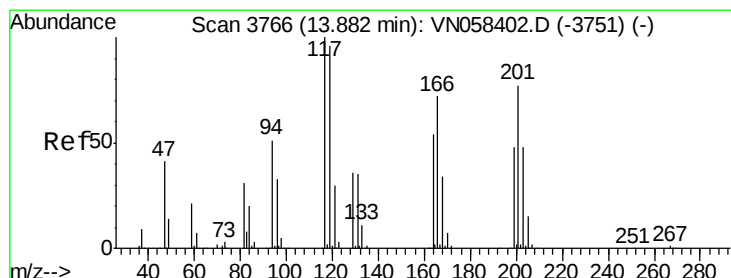
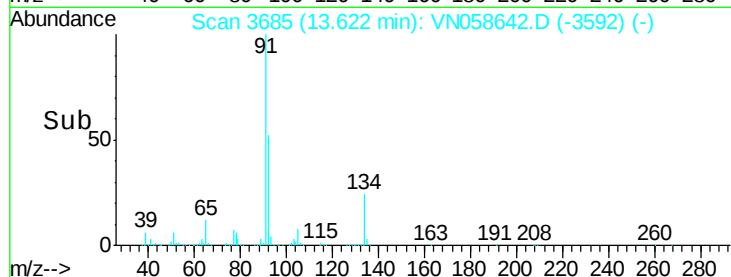
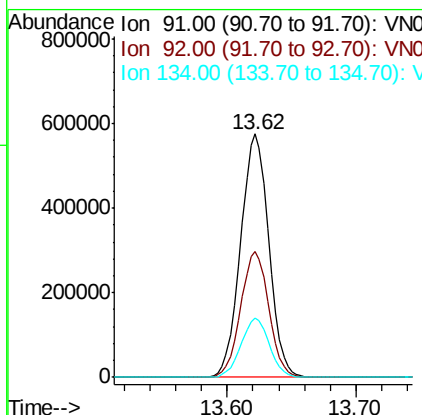
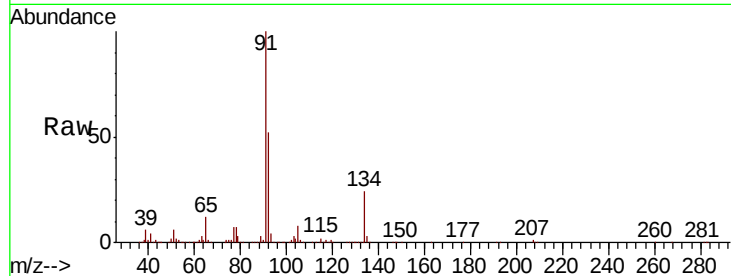
#89
n-Butylbenzene
Concen: 49.648 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.7	77.1
134	24.4	12.2	36.6

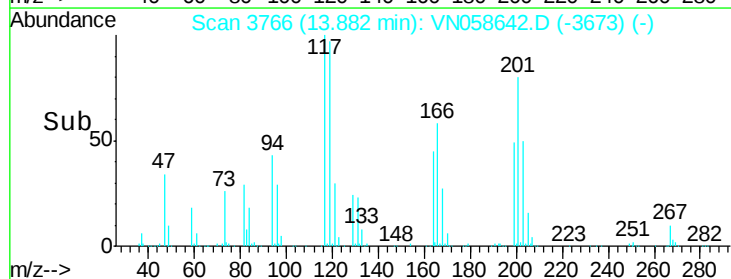
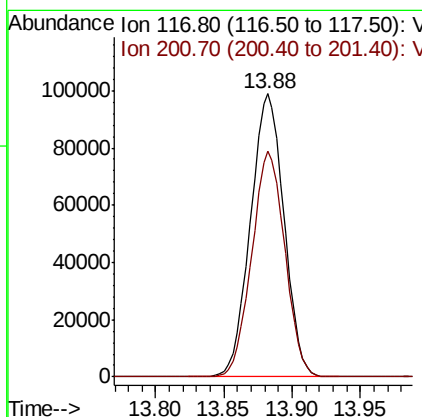
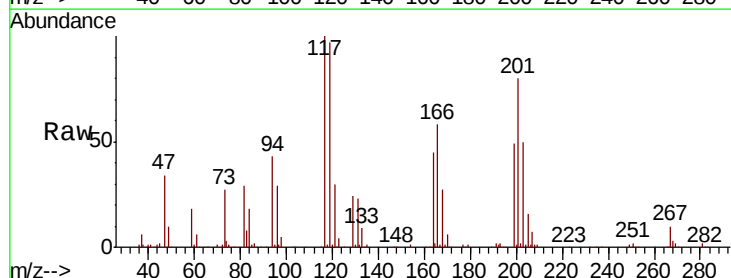
Manual Integrations
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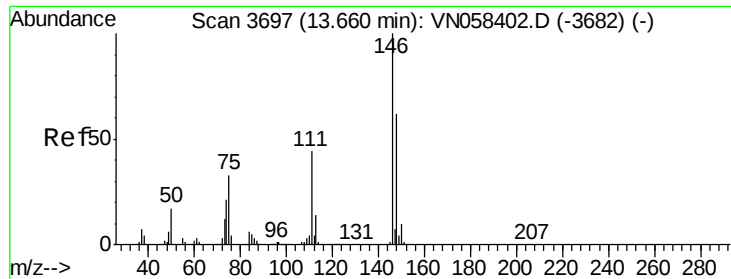
MMDadoda
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#90
Hexachloroethane
Concen: 57.809 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	38.6	116.0





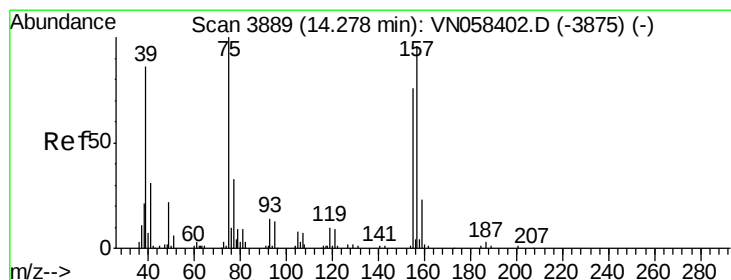
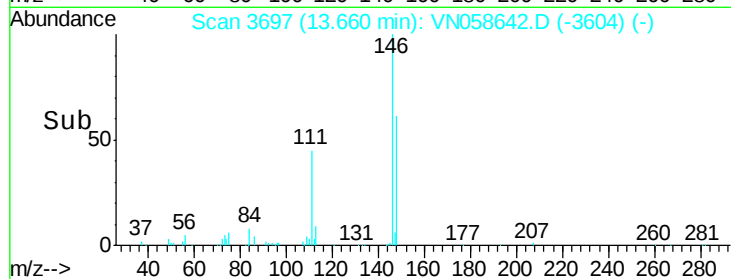
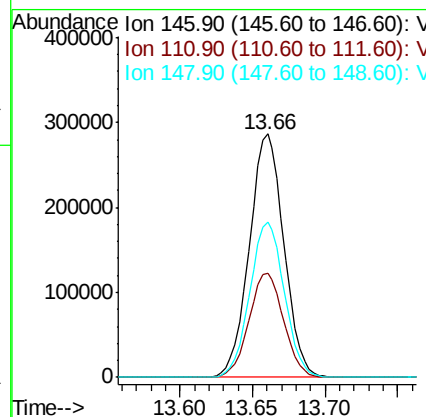
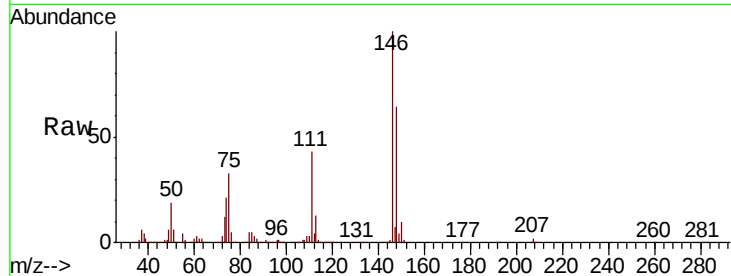
#91
 1,2-Dichlorobenzene
 Concen: 48.960 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.3
148	64.0	31.5	94.5

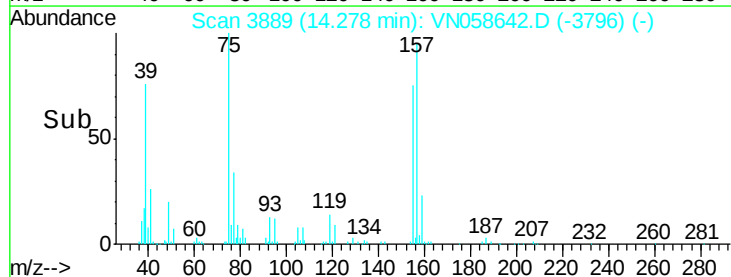
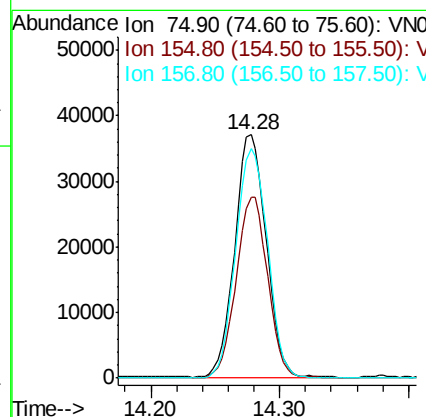
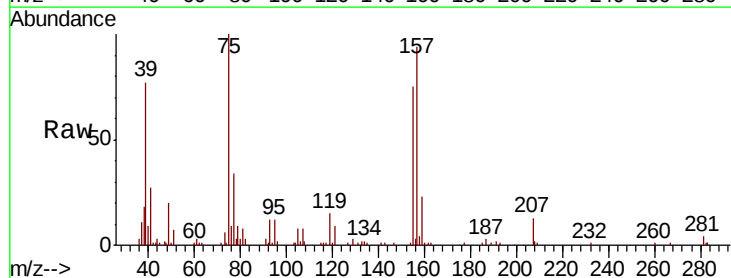
Manual Integrations
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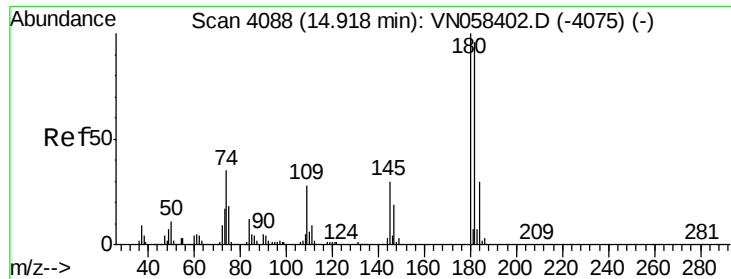
MMDadoda
 10/10/2019 3:20:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.427 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.8	39.2	117.6
157	94.6	48.7	146.1





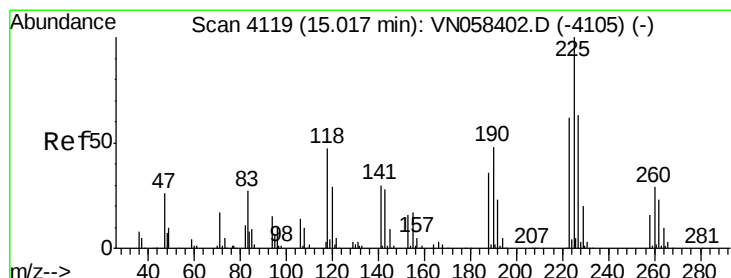
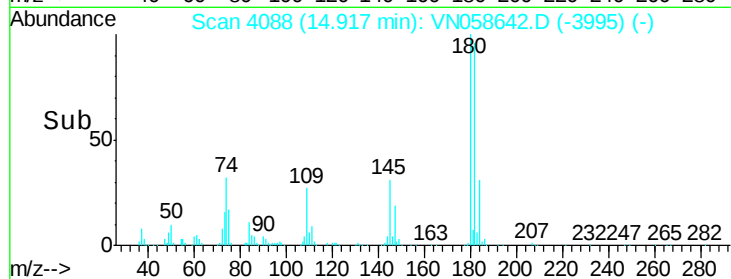
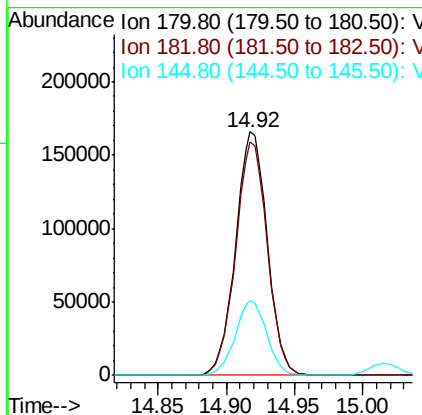
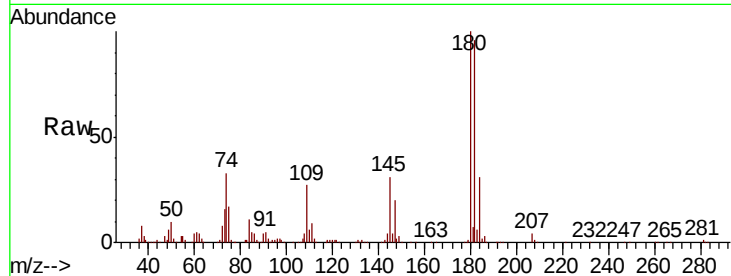
#93
 1,2,4-Trichlorobenzene
 Concen: 49.797 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	266716		
182	95.8	47.4	142.3	
145	30.5	15.3	45.9	

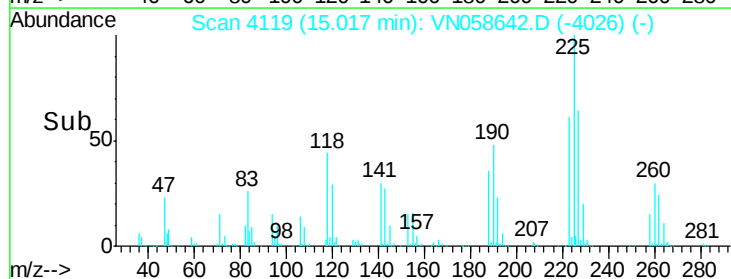
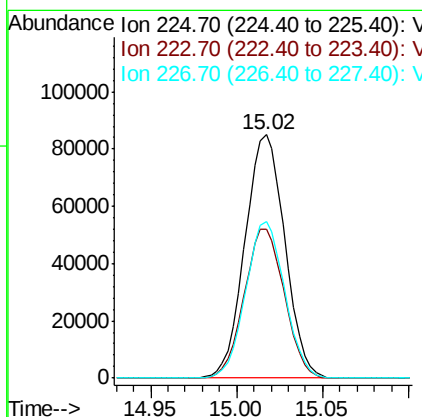
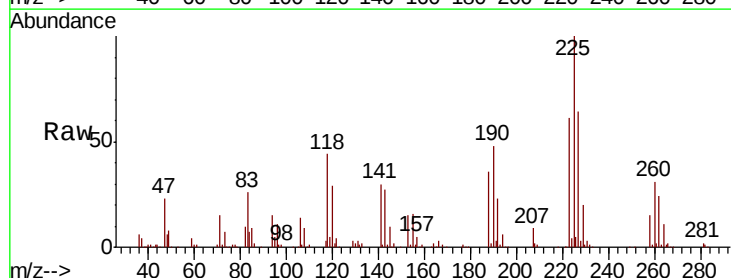
Manual Integrations
 APPROVED

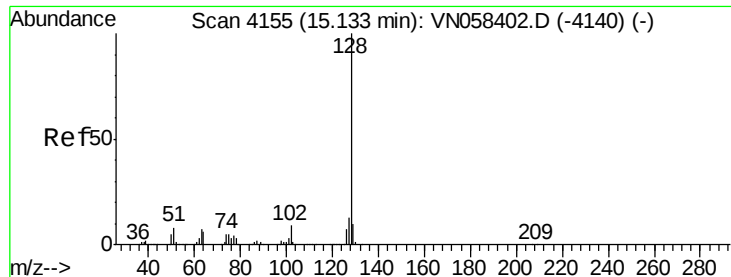
MMDadoda
 10/10/2019 3:20:21 PM



#94
 Hexachlorobutadiene
 Concen: 49.657 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058642.D
 Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	136704		
223	61.7	31.1	93.5	
227	63.0	31.4	94.2	





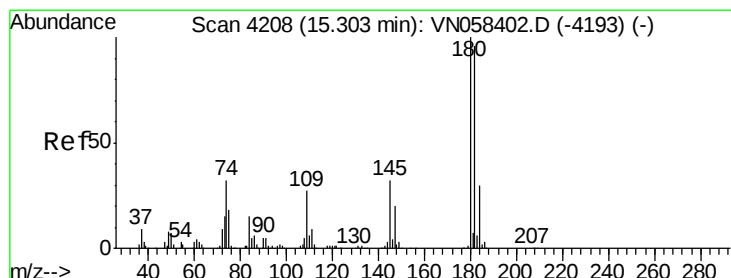
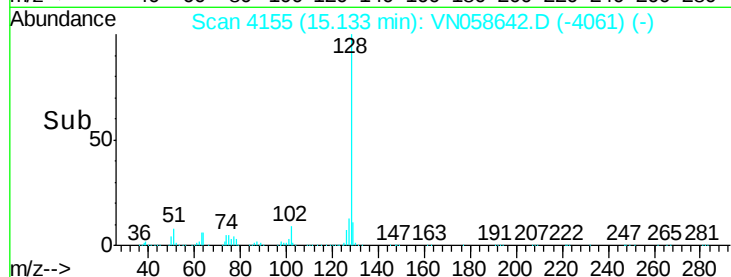
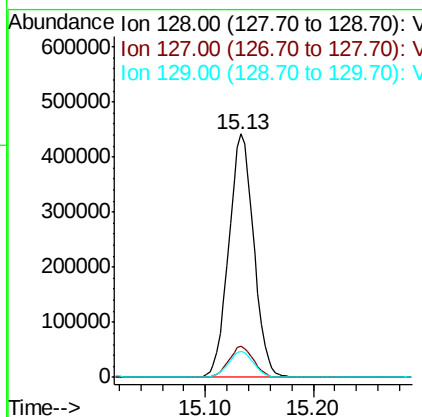
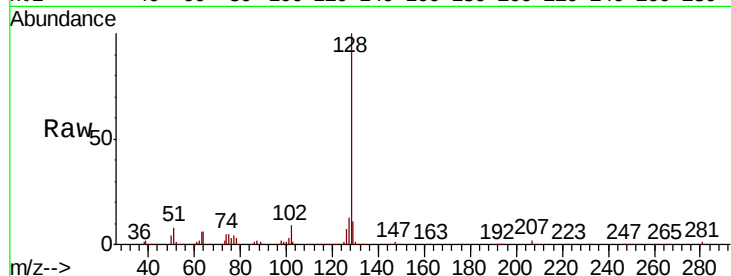
#95
Naphthalene
Concen: 45.529 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.4
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/10/2019 3:20:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.732 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058642.D
Acq: 9 Oct 2019 15:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.3	144.9
145	32.3	16.1	48.3

