

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\
 Data File : VN057383.D
 Acq On : 17 Aug 2019 3:17
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 12:20:03 PM

Quant Time: Aug 19 09:16:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	826165	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1233080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1132458	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	460565	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	441358	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	7.58	113	403612	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.09	98	1485920	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.40	95	511663	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	317294	44.632	ug/l	98
3) Chloromethane	2.05	50	377949	45.041	ug/l	99
4) Vinyl Chloride	2.18	62	355422	45.022	ug/l	98
5) Bromomethane	2.53	94	266728m	47.399	ug/l	
6) Chloroethane	2.69	64	251691	46.350	ug/l	98
7) Trichlorofluoromethane	3.01	101	589493	47.606	ug/l	99
8) Diethyl Ether	3.40	74	227222	48.754	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	342491	47.076	ug/l	98
10) Methyl Iodide	3.95	142	601922	51.761	ug/l	99
11) Tert butyl alcohol	4.76	59	307400	240.754	ug/l	100
12) 1,1-Dichloroethene	3.73	96	346438	47.793	ug/l	97
13) Acrolein	3.60	56	134376	173.362	ug/l	98
14) Allyl chloride	4.31	41	529085	45.535	ug/l	99
15) Acrylonitrile	4.97	53	854194	246.417	ug/l	100
16) Acetone	3.80	43	655179	210.290	ug/l	99
17) Carbon Disulfide	4.05	76	878402	44.980	ug/l	100
18) Methyl Acetate	4.31	43	423287	50.889	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1130059	49.684	ug/l	99
20) Methylene Chloride	4.54	84	408653	46.879	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	370657	47.550	ug/l	97
22) Diisopropyl ether	5.93	45	1095315	47.719	ug/l	99
23) Vinyl Acetate	5.88	43	4368494	236.479	ug/l	98
24) 1,1-Dichloroethane	5.83	63	679365	48.108	ug/l	100
25) 2-Butanone	6.82	43	1045356	231.698	ug/l	97
26) 2,2-Dichloropropane	6.81	77	406151	35.588	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	442655	47.966	ug/l	96
28) Bromochloromethane	7.18	49	310494	49.485	ug/l #	95
29) Tetrahydrofuran	7.20	42	672394	235.495	ug/l	98
30) Chloroform	7.36	83	704448	47.602	ug/l	99
31) Cyclohexane	7.64	56	541646	44.260	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	626914	50.366	ug/l	99
36) 1,1-Dichloropropene	7.78	75	508918	46.744	ug/l	99
37) Ethyl Acetate	6.91	43	435728	48.864	ug/l	99
38) Carbon Tetrachloride	7.77	117	552678	48.858	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	575604	45.277	ug/l	99
40) Benzene	8.03	78	1570205	47.153	ug/l	100
41) Methacrylonitrile	7.17	41	241487m	60.136	ug/l	
42) 1,2-Dichloroethane	8.12	62	519671	47.151	ug/l	100
43) Isopropyl Acetate	8.15	43	914520	56.220	ug/l	95
44) Trichloroethene	8.83	130	453441	48.433	ug/l	97
45) 1,2-Dichloropropane	9.11	63	409453	47.703	ug/l	100
46) Dibromomethane	9.20	93	277055	48.383	ug/l	99
47) Bromodichloromethane	9.40	83	553531	48.788	ug/l	100
48) Methyl methacrylate	9.19	41	355505	48.414	ug/l	99
49) 1,4-Dioxane	9.19	88	152292	986.208	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2196277	238.742	ug/l	100
52) Toluene	10.15	92	1014613	48.951	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	579668	47.234	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	632927	46.770	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	397660	48.791	ug/l	98
56) Ethyl methacrylate	10.43	69	602729	50.675	ug/l	99
57) 1,3-Dichloropropane	10.70	76	654905	48.100	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	715450	206.087	ug/l	99
59) 2-Hexanone	10.75	43	1565179	236.659	ug/l	98
60) Dibromochloromethane	10.90	129	460244	50.391	ug/l	100
61) 1,2-Dibromoethane	11.00	107	426573	49.133	ug/l	100
64) Tetrachloroethene	10.63	164	464404	47.437	ug/l	99
65) Chlorobenzene	11.43	112	1121485	48.555	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	442789	50.058	ug/l	99
67) Ethyl Benzene	11.51	91	1935298	47.893	ug/l	99
68) m/p-Xylenes	11.62	106	1454775	97.713	ug/l	99
69) o-Xylene	11.95	106	717435	49.078	ug/l	100
70) Styrene	11.96	104	1192641	51.182	ug/l	99
71) Bromoform	12.13	173	365804	52.420	ug/l	99
73) Isopropylbenzene	12.25	105	1916847	52.507	ug/l	98
74) N-amyl acetate	12.07	43	584298	43.720	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	542085	53.241	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	453031m	49.950	ug/l	
77) Bromobenzene	12.53	156	513689	52.127	ug/l	98
78) n-propylbenzene	12.59	91	1982906	44.709	ug/l	99
79) 2-Chlorotoluene	12.67	91	1248295	51.555	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1600625	51.655	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	160747	42.559	ug/l	98
82) 4-Chlorotoluene	12.77	91	1186191	45.134	ug/l	99
83) tert-Butylbenzene	12.99	119	1426118	52.499	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1531318	46.161	ug/l	99
85) sec-Butylbenzene	13.17	105	1737977	49.877	ug/l	99
86) p-Isopropyltoluene	13.29	119	1530784	45.072	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	764825	47.396	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	710031	46.352	ug/l	100
89) n-Butylbenzene	13.62	91	1146186	47.339	ug/l	100
90) Hexachloroethane	13.88	117	307754	53.438	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	723544	48.099	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	73712	44.882	ug/l	96

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Quant Title : SW846 8260
QLast Update : Thu Aug 15 11:33:14 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	240980	41.124	ug/l	98
94) Hexachlorobutadiene	15.01	225	295760	51.409	ug/l	98
95) Naphthalene	15.13	128	507588	53.675	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	226526	53.377	ug/l	99

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

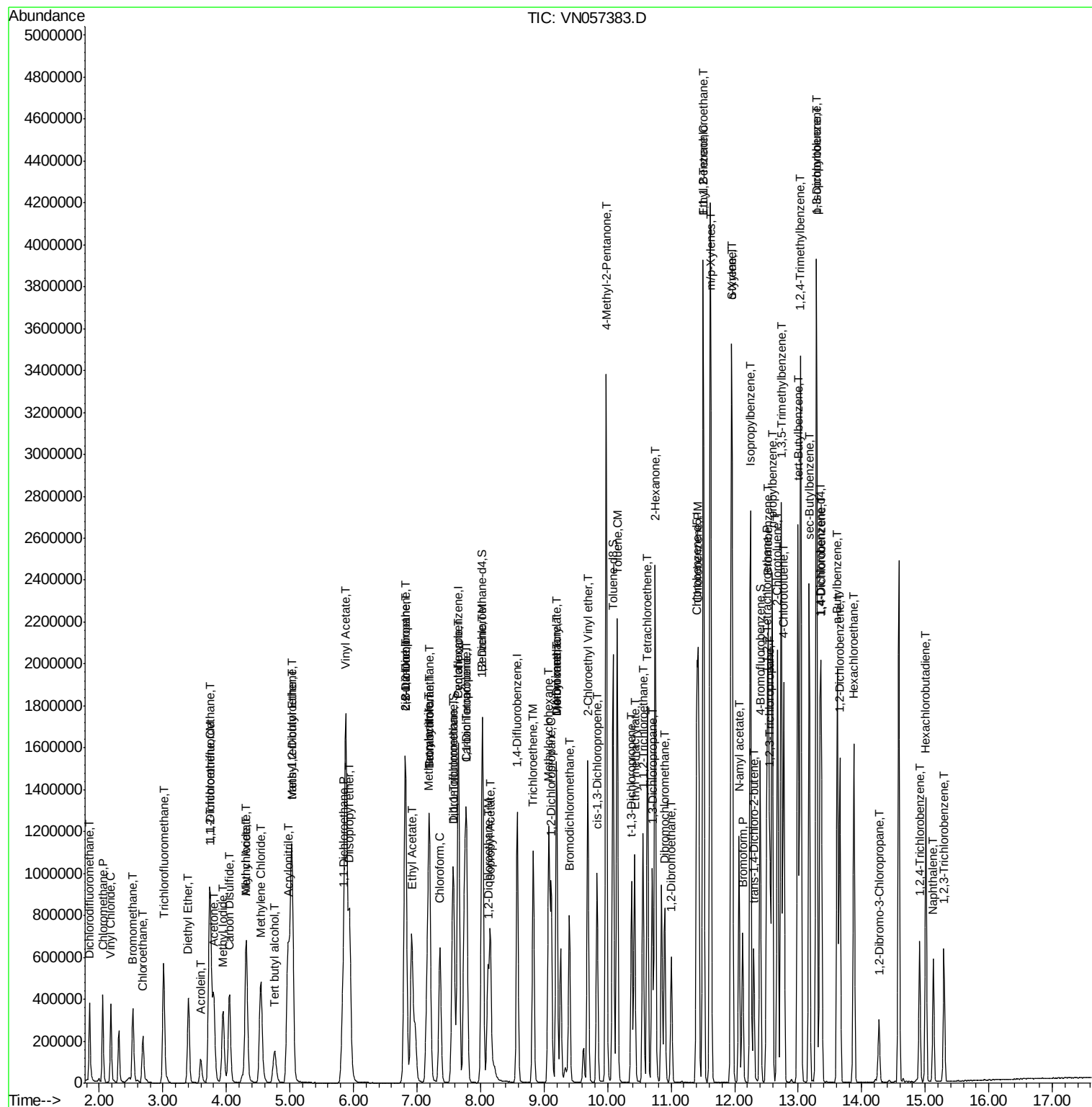
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081819\
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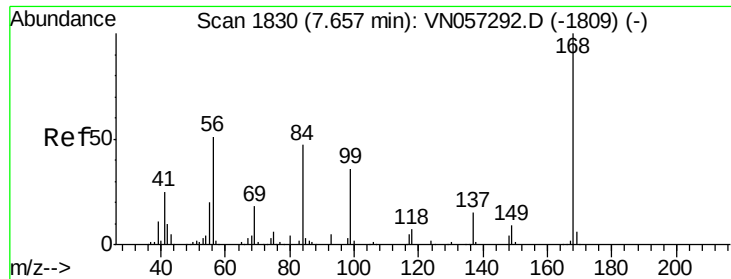
Instrument :
 MSVOA_N
 Client Sample ID :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 826165

Ion Ratio Lower Upper

168 100

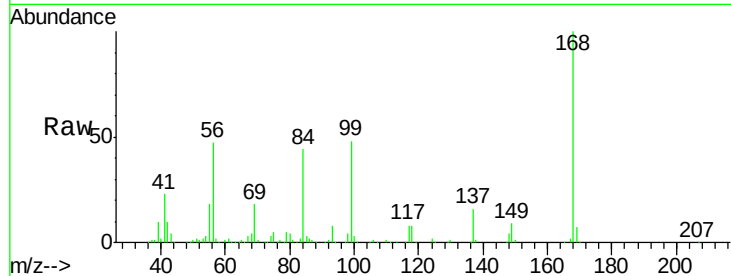
99 48.3 39.4 59.2

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

7.66

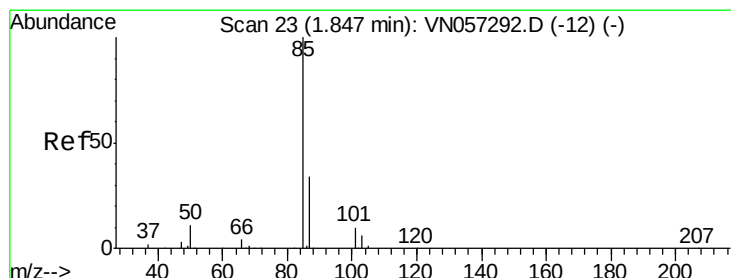
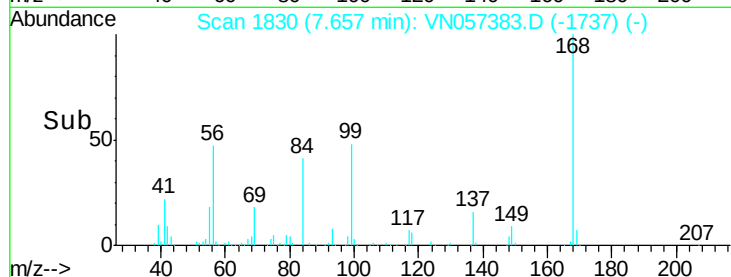
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.632 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057383.D

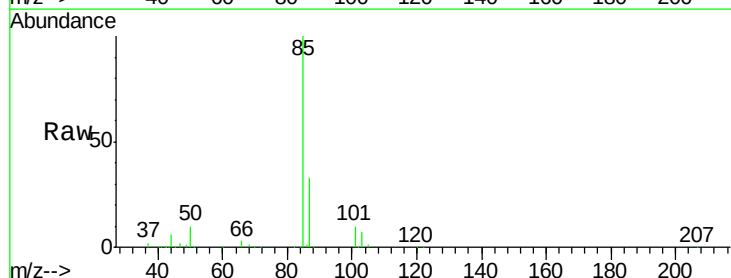
Acq: 17 Aug 2019 3:17

Tgt Ion: 85 Resp: 317294

Ion Ratio Lower Upper

85 100

87 32.7 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

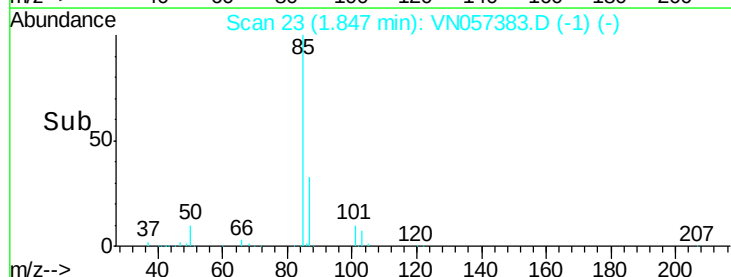
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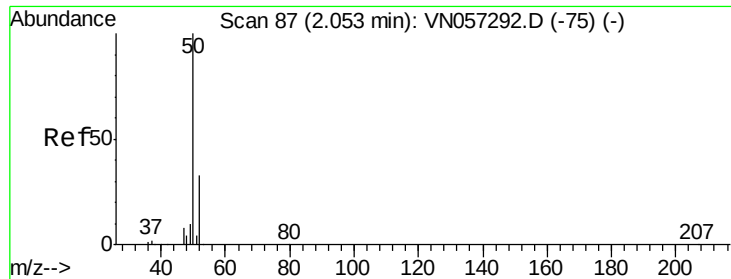
100000

50000

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Time-->





#3

Chloromethane

Concen: 45.041 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 377949

Ion Ratio Lower Upper

50 100

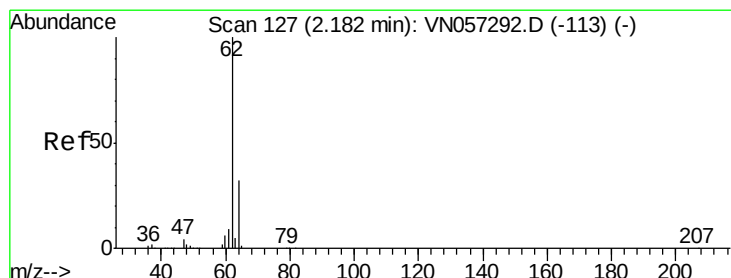
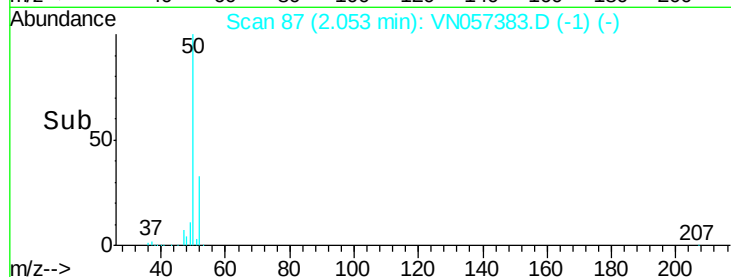
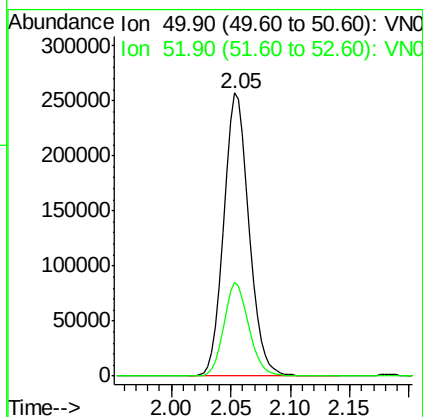
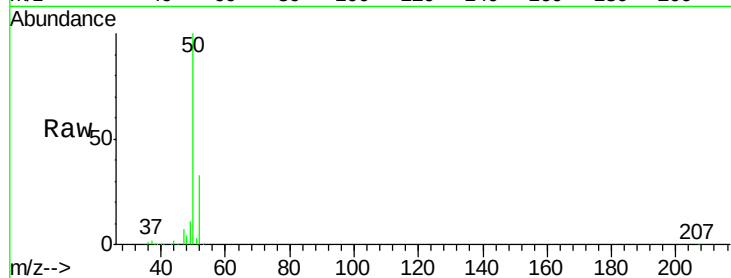
52 33.2 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.022 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057383.D

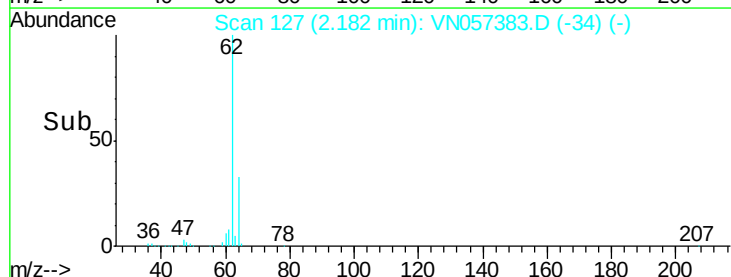
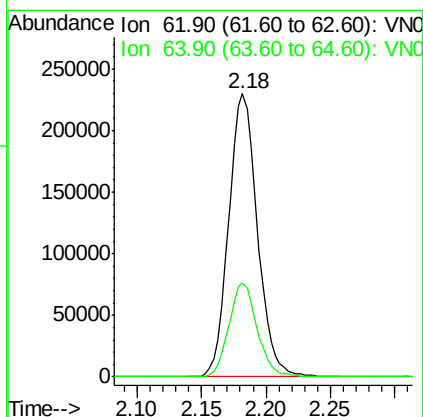
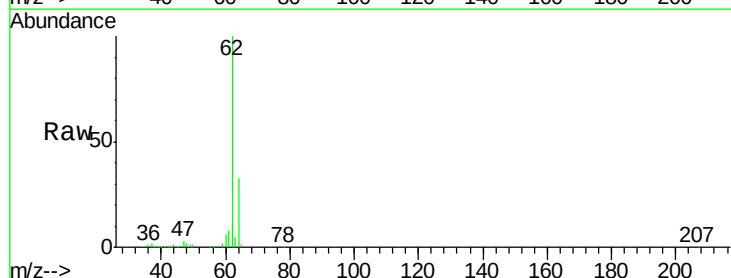
Acq: 17 Aug 2019 3:17

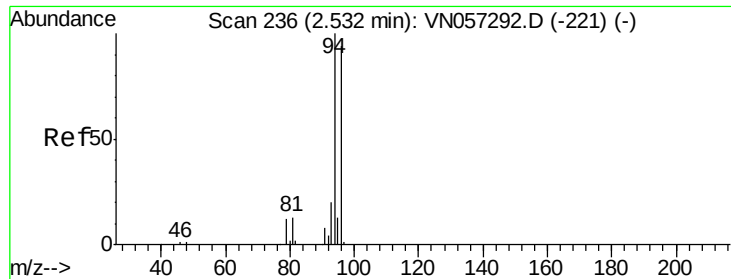
Tgt Ion: 62 Resp: 355422

Ion Ratio Lower Upper

62 100

64 33.4 25.9 38.9





#5

Bromomethane

Concen: 47.399 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Tot Ion: 94 Resp: 266728

Ion Ratio Lower Upper

94 100

96 93.8 75.0 112.6

Instrument :

MSVOA_N

ClientSampleId :

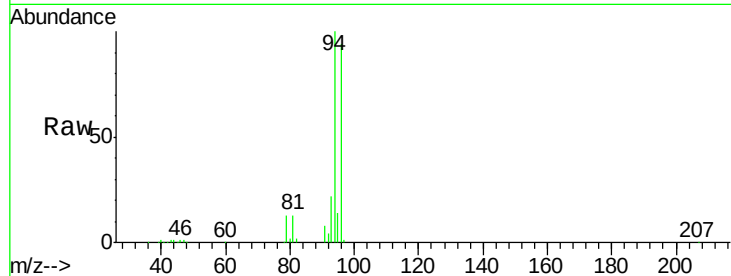
VSTDCCC050EC

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN057292.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057292.D (-221) (-)

2.53

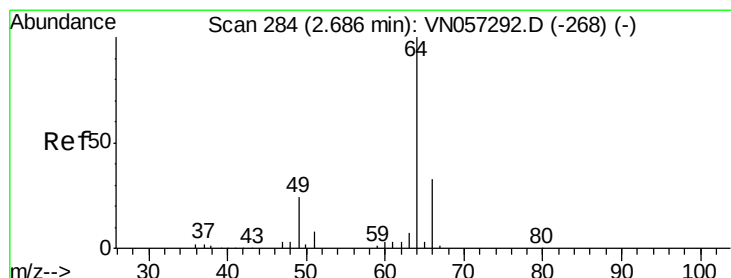
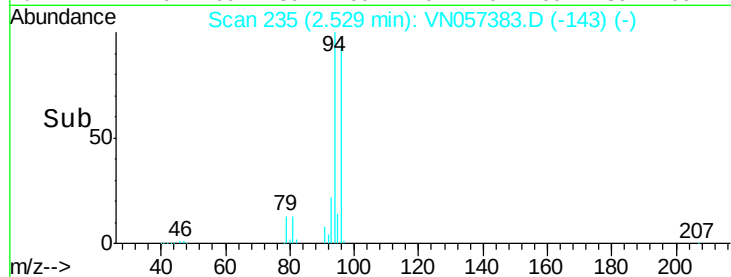
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 46.350 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN057383.D

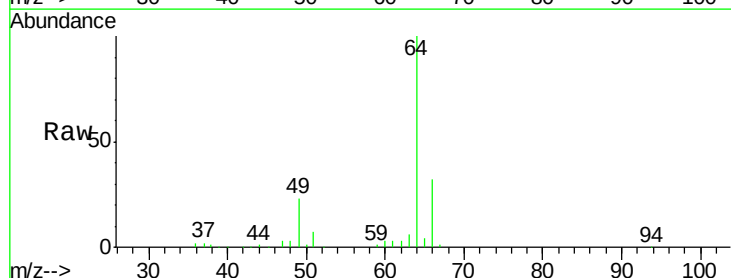
Acq: 17 Aug 2019 3:17

Tgt Ion: 64 Resp: 251691

Ion Ratio Lower Upper

64 100

66 31.8 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN057292.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN057292.D (-268) (-)

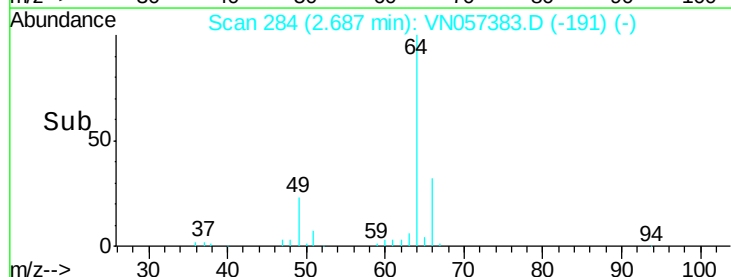
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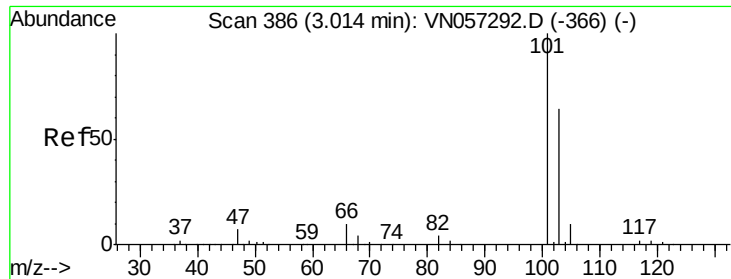
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50000

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Time-->





#7

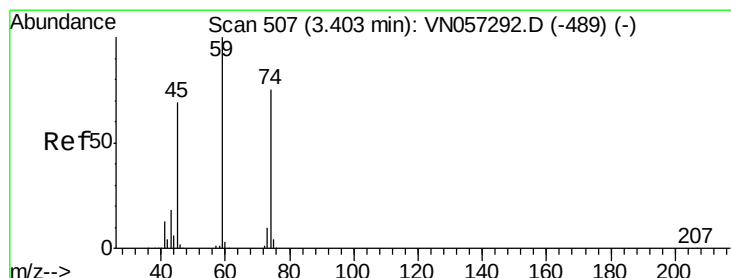
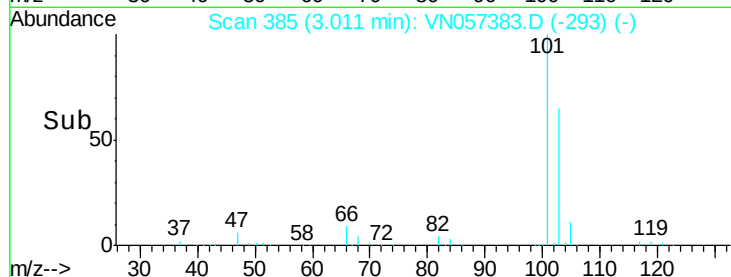
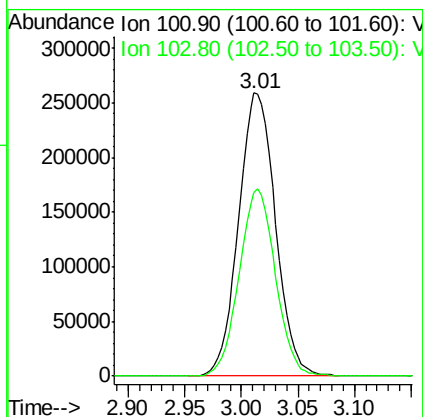
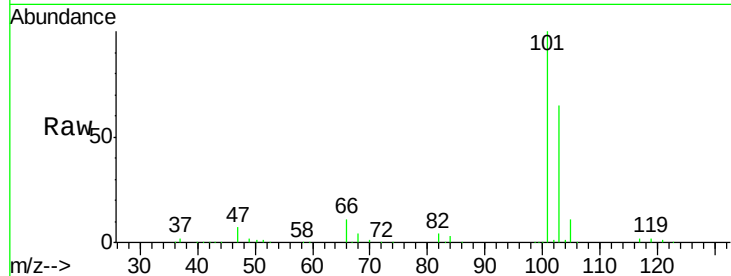
Trichlorofluoromethane
Concen: 47.606 ug/l
RT: 3.01 min Scan# 385
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.5	77.3

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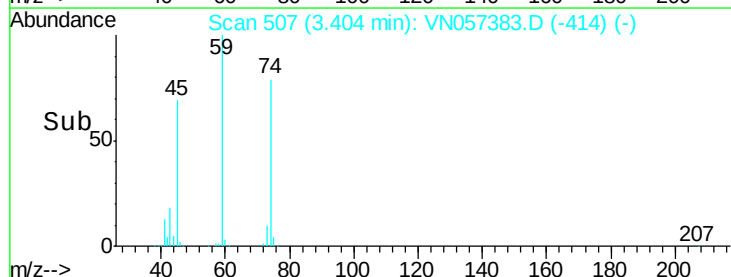
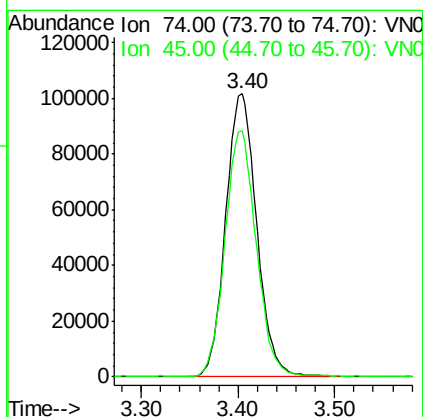
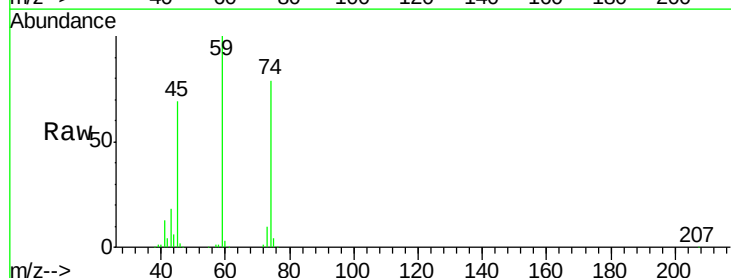
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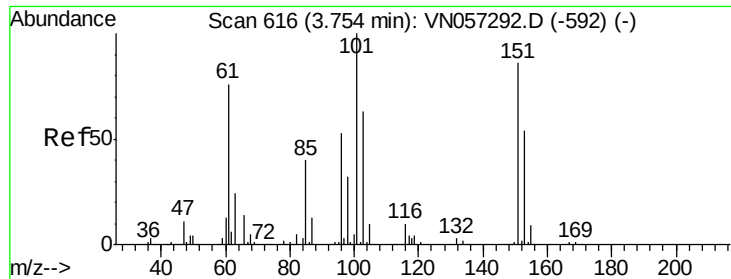


#8

Diethyl Ether
Concen: 48.754 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.7	45.9	137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.076 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

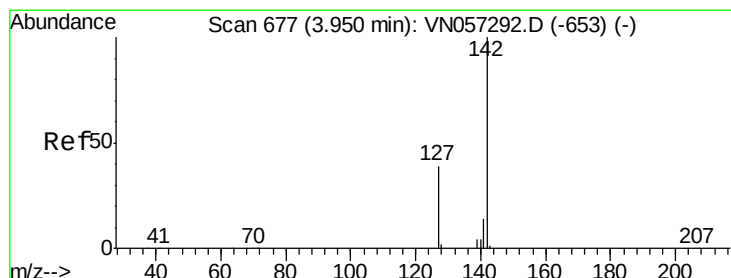
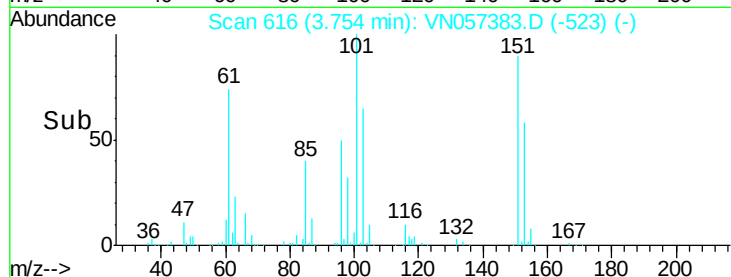
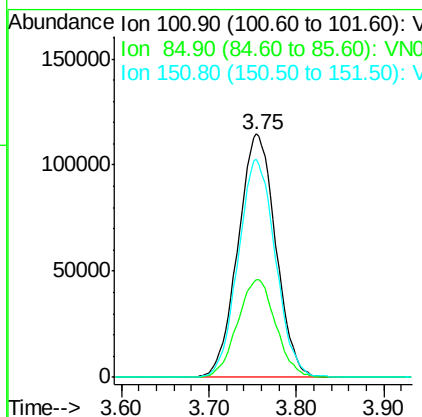
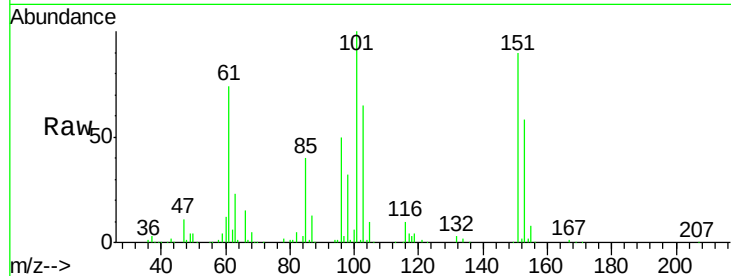
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	342491
Ion Ratio	Lower	Upper	
101	100		
85	40.9	32.7	49.1
151	88.5	69.1	103.7

Manual Integrations
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#10

Methyl Iodide

Concen: 51.761 ug/l

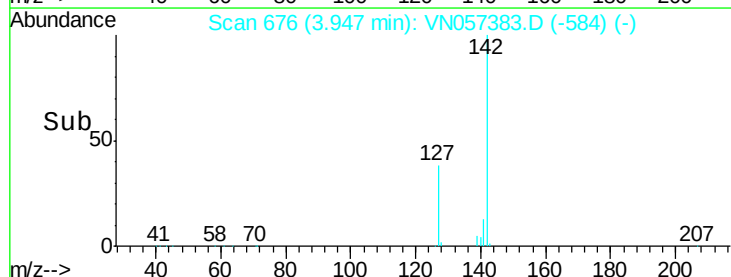
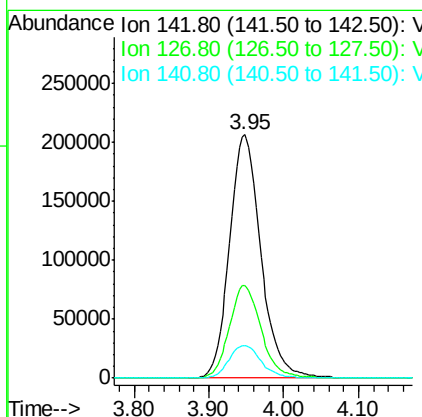
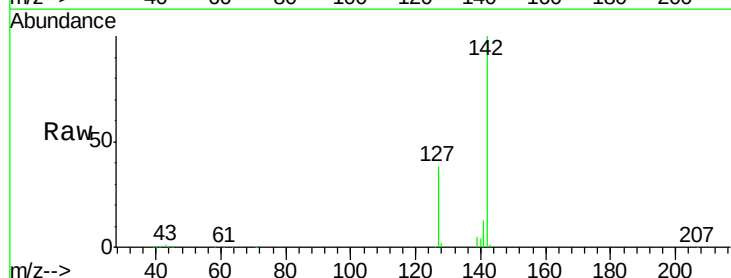
RT: 3.95 min Scan# 676

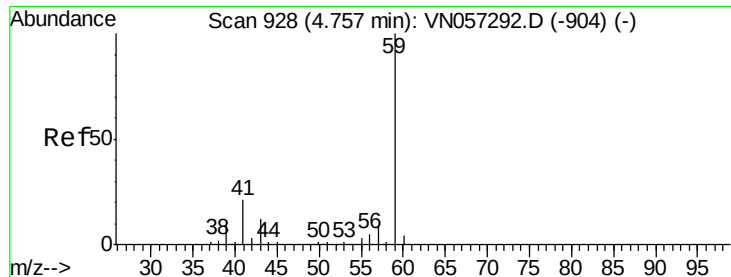
Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Tgt Ion:	142	Resp:	601922
Ion Ratio	Lower	Upper	
142	100		
127	38.6	31.6	47.4
141	13.9	11.2	16.8





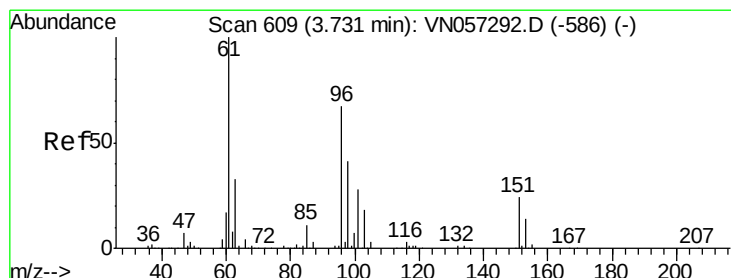
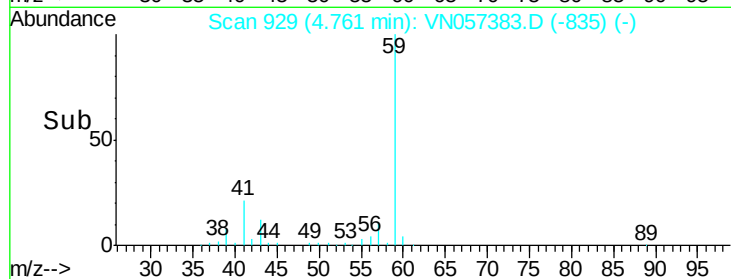
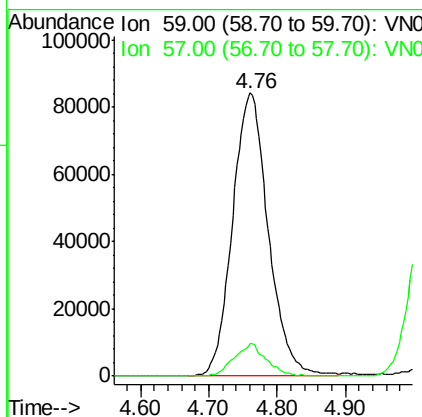
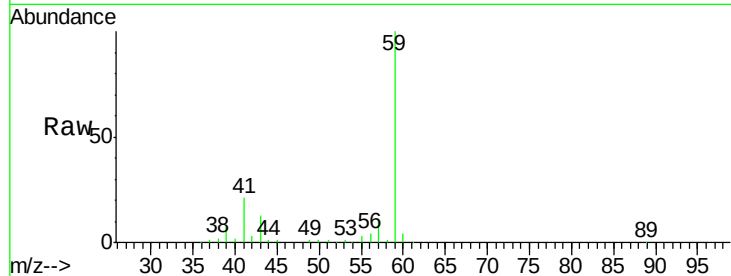
#11
Tert butyl alcohol
Concen: 240.754 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

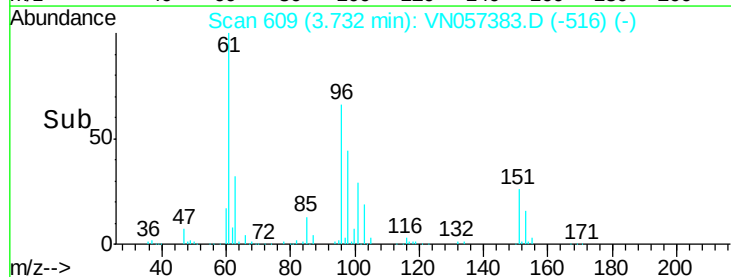
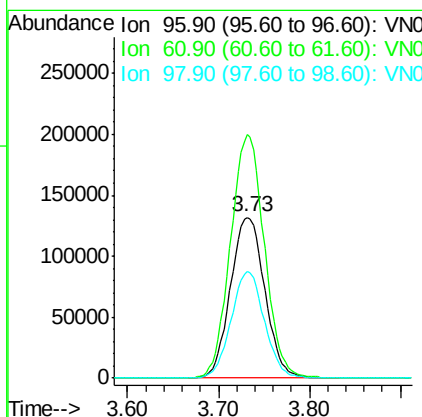
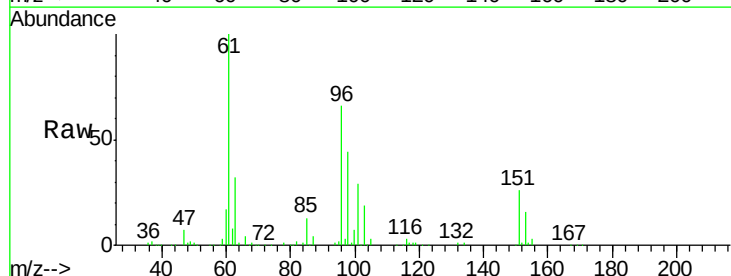
Manual Integrations
APPROVED

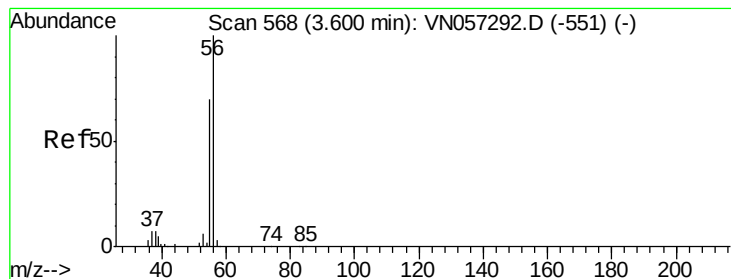
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.793 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.5	119.7	179.5
98	66.2	49.0	73.4





#13

Acrolein

Concen: 173.362 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 134376

Ion Ratio Lower Upper

56 100

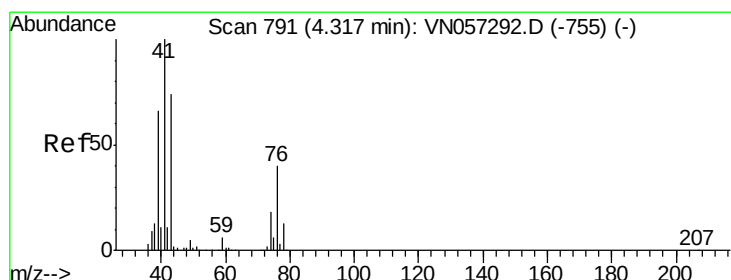
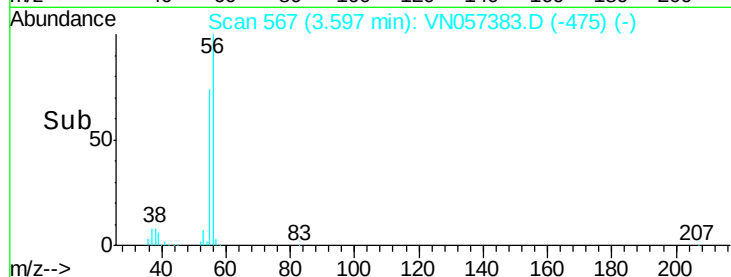
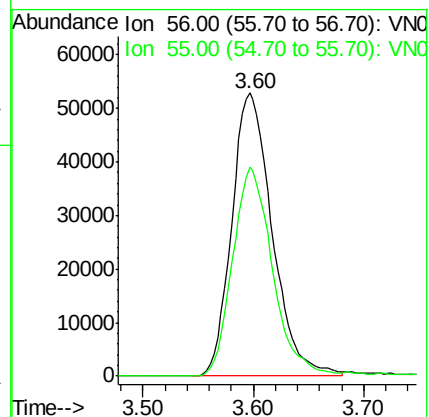
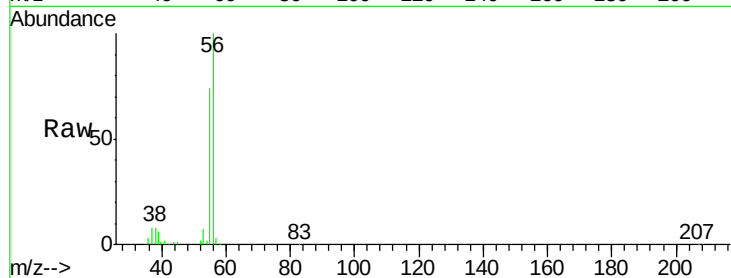
55 72.7 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 45.535 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

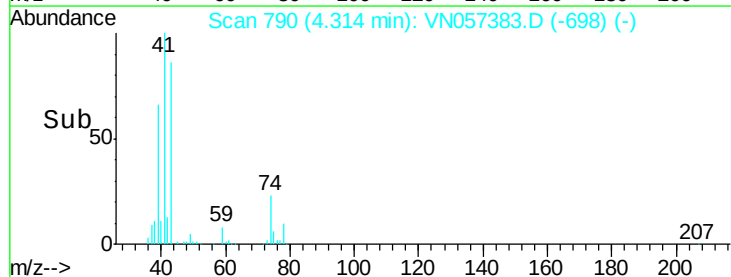
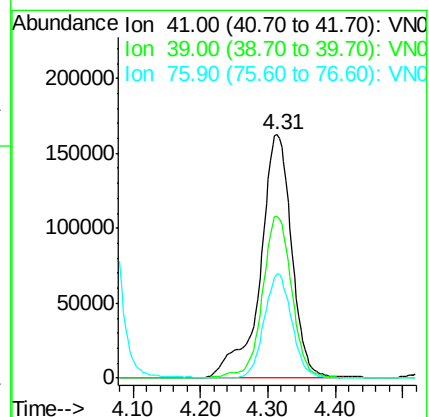
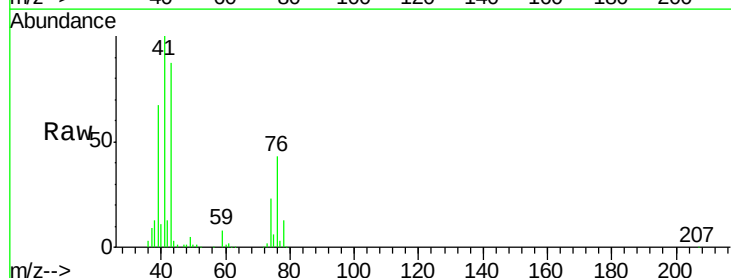
Tgt Ion: 41 Resp: 529085

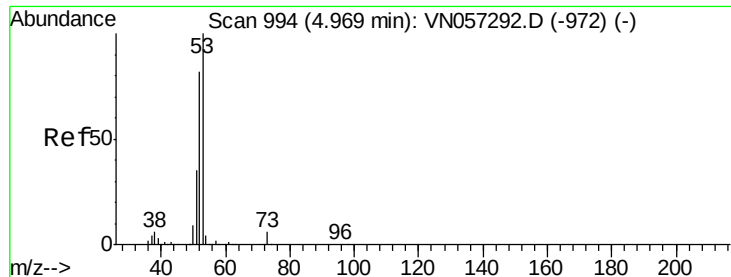
Ion Ratio Lower Upper

41 100

39 61.7 49.0 73.6

76 37.0 29.0 43.4





#15

Acrylonitrile

Concen: 246.417 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

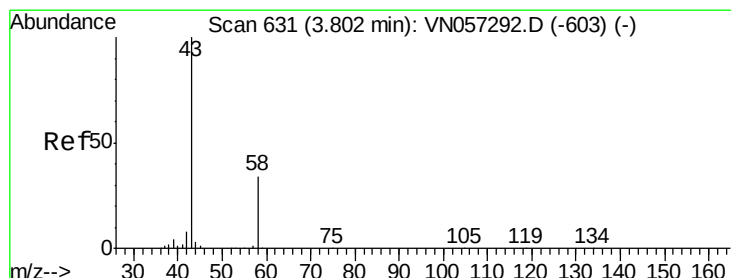
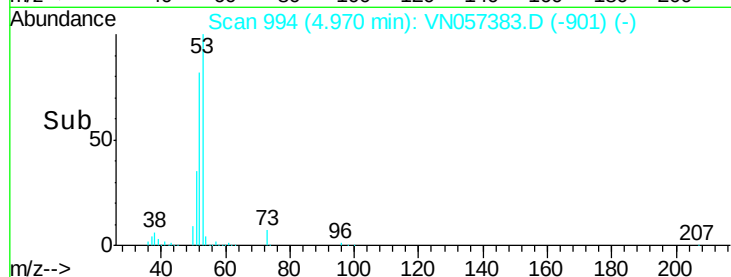
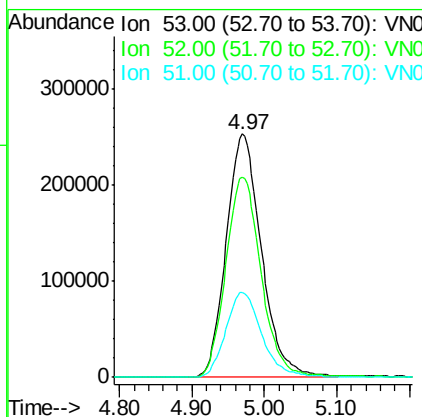
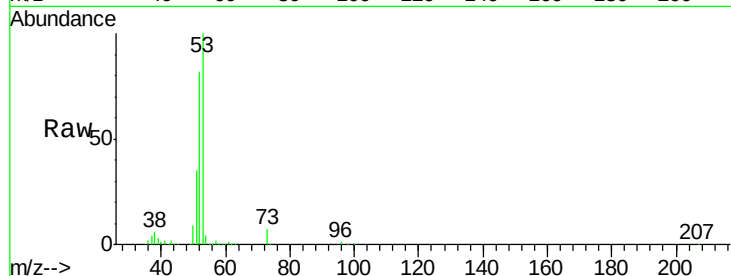
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	854194
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.2	99.2
51	35.5	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 210.290 ug/l

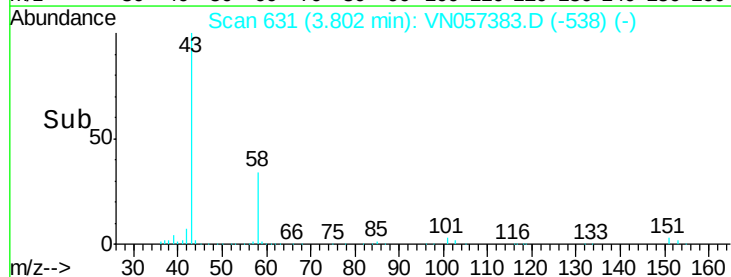
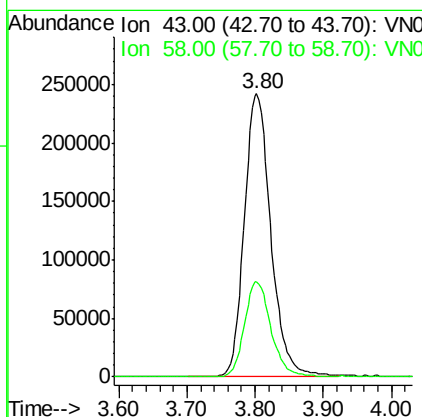
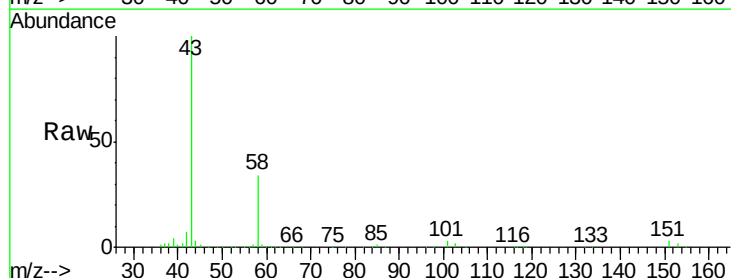
RT: 3.80 min Scan# 631

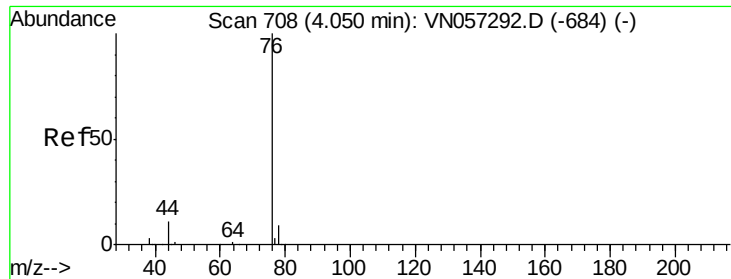
Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Tgt Ion:	43	Resp:	655179
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.0	40.6





#17

Carbon Disulfide

Concen: 44.980 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 878402

Ion Ratio Lower Upper

76 100

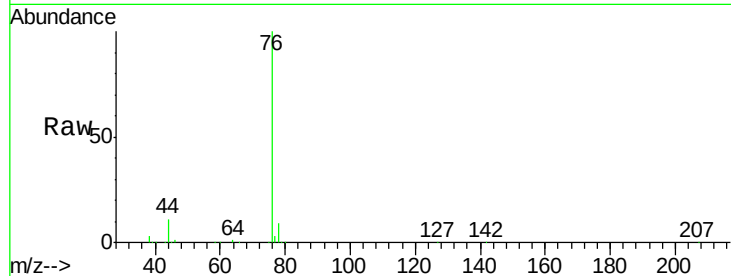
78 8.9 7.0 10.6

Manual Integrations

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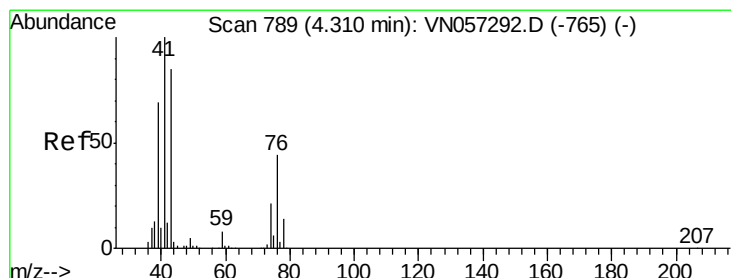
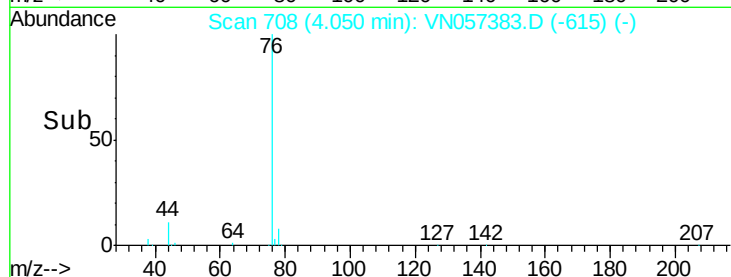
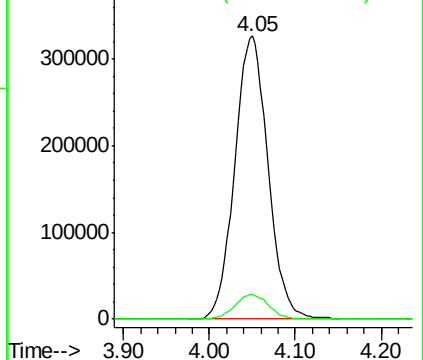
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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 50.889 ug/l

RT: 4.31 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN057383.D

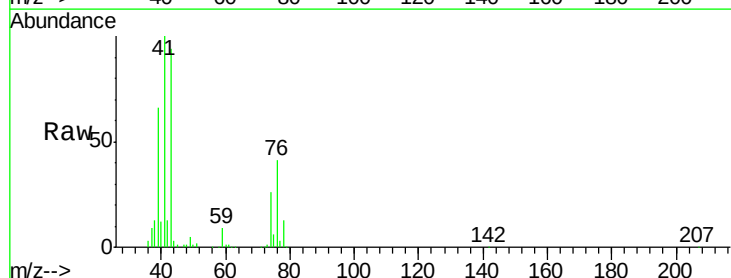
Acq: 17 Aug 2019 3:17

Tgt Ion: 43 Resp: 423287

Ion Ratio Lower Upper

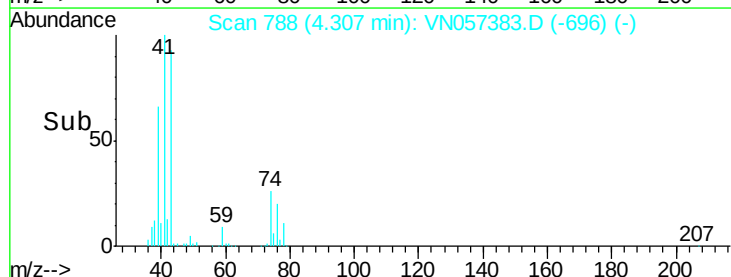
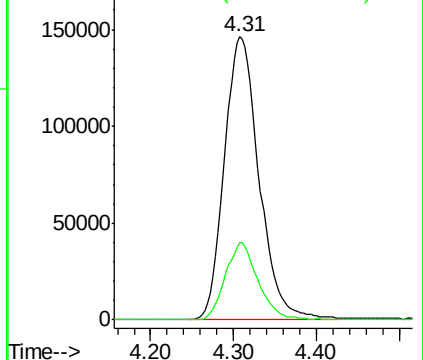
43 100

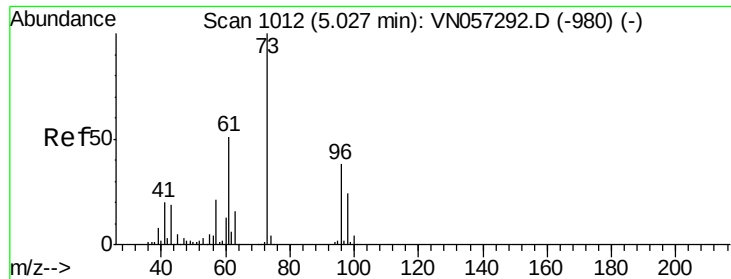
74 25.9 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO





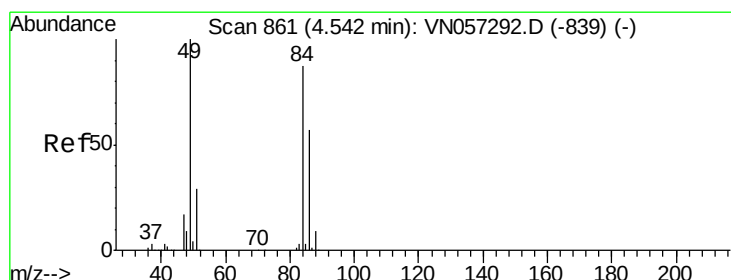
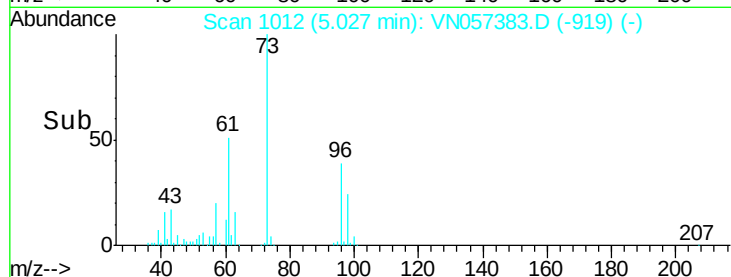
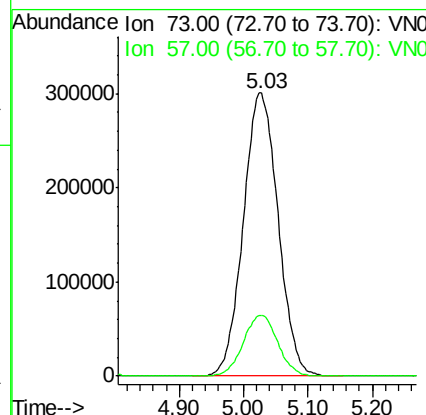
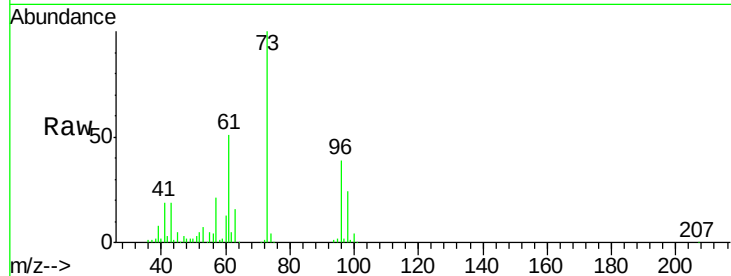
#19
Methvl tert-butyl Ether
Concen: 49.684 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 1130059
Ion Ratio Lower Upper
73 100
57 21.3 16.9 25.3

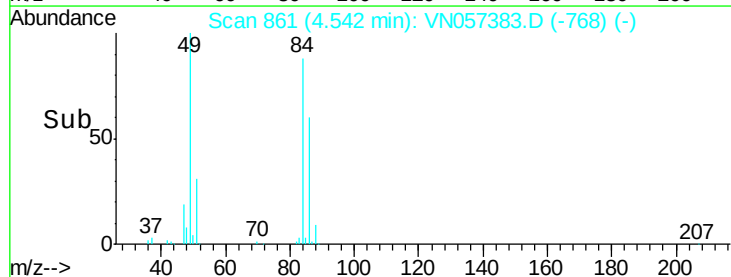
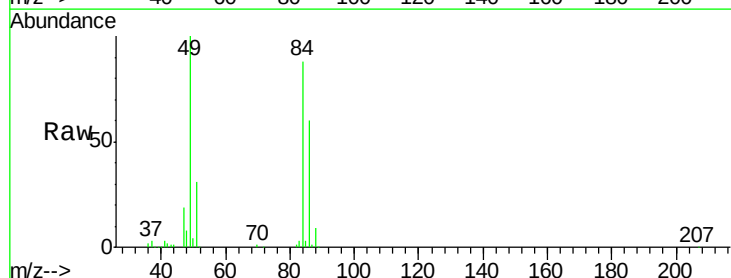
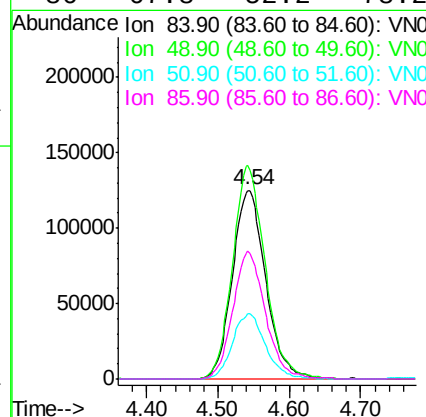
Manual Integrations
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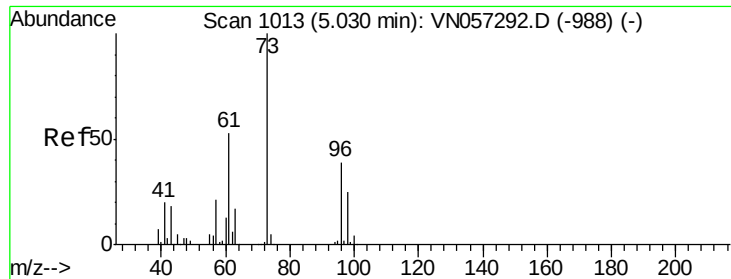
MMDadoda
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#20
Methylene Chloride
Concen: 46.879 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion: 84 Resp: 408653
Ion Ratio Lower Upper
84 100
49 113.2 92.0 138.0
51 34.6 27.1 40.7
86 67.8 52.2 78.2





#21

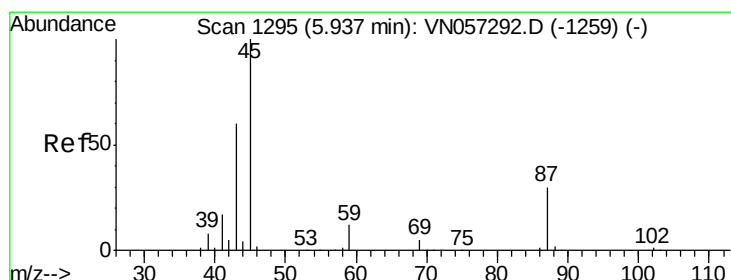
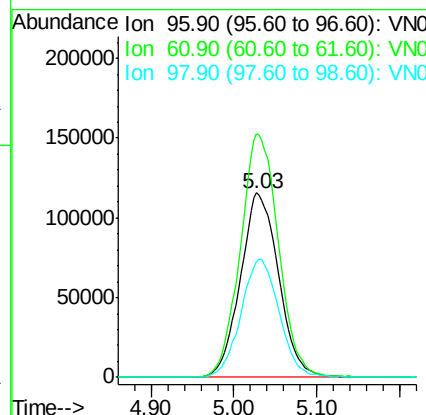
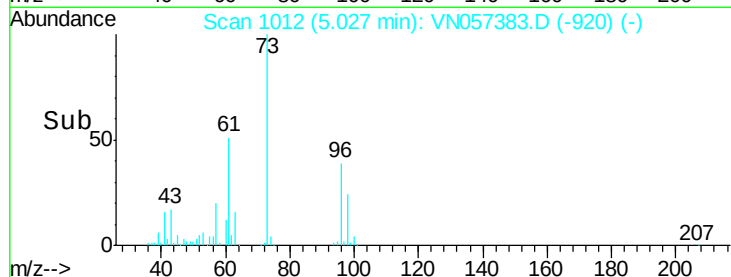
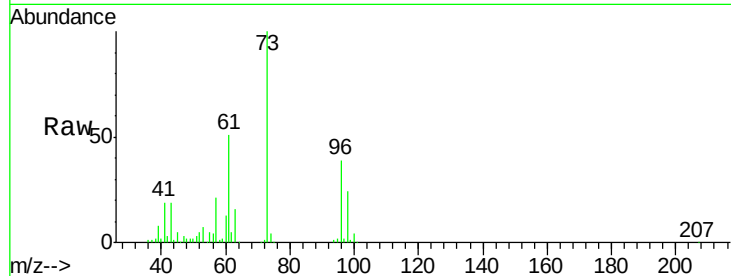
trans-1,2-Dichloroethene
Concen: 47.550 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.9	109.5	164.3
98	62.8	51.0	76.6

Manual Integrations
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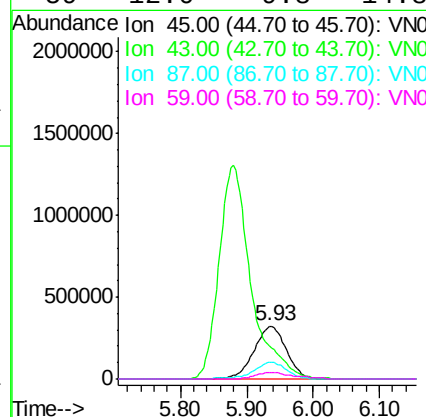
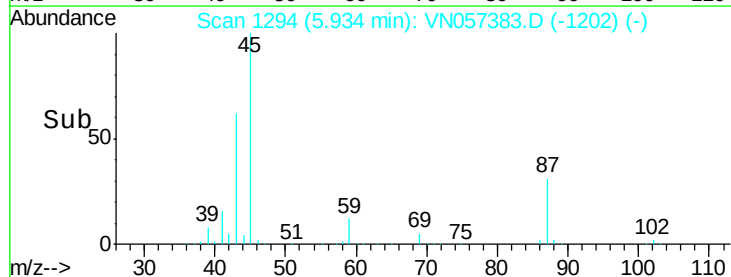
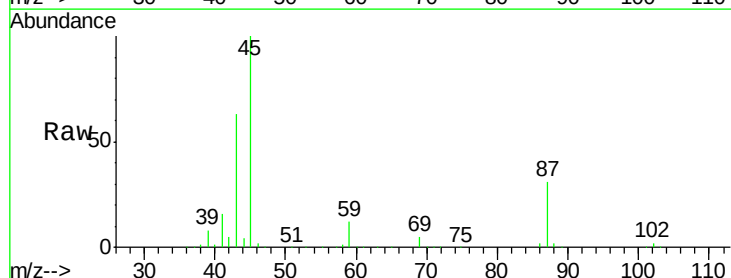
MMDadoda
8/19/2019 12:20:03 PM

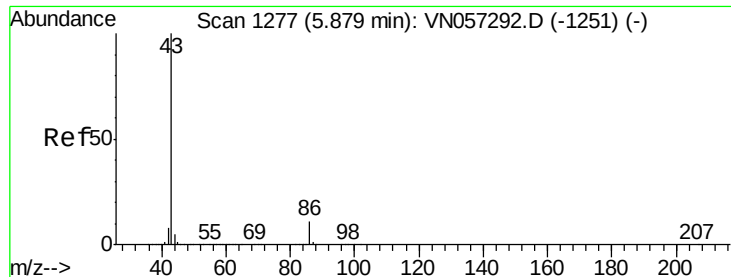


#22

Diisopropyl ether
Concen: 47.719 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.5	48.3	72.5
87	31.2	24.6	36.8
59	12.0	9.8	14.8





#23

Vinyl Acetate

Concen: 236.479 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 4368494

Ion Ratio Lower Upper

43 100

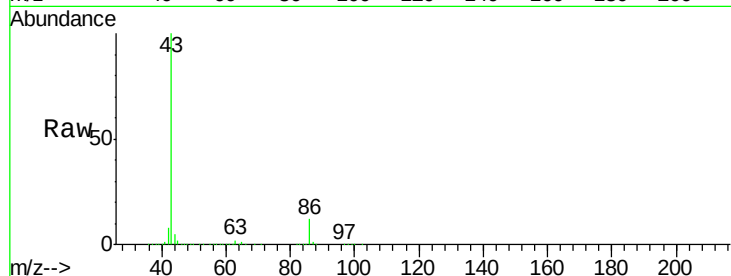
86 11.8 8.7 13.1

Manual Integrations

APPROVED

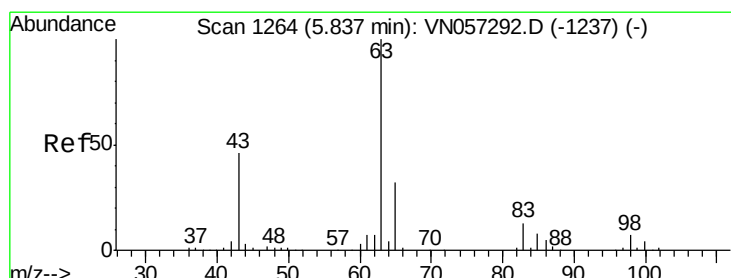
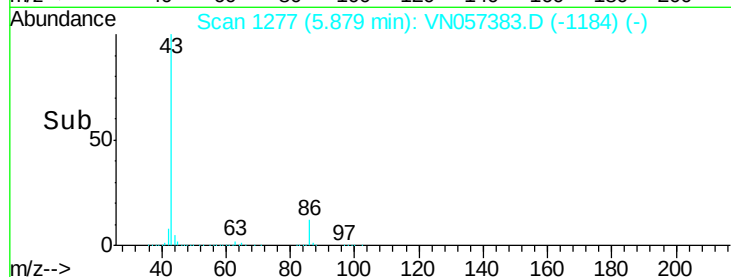
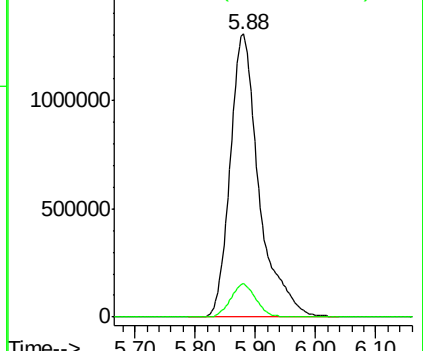
MMDadoda

8/19/2019 12:20:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 48.108 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

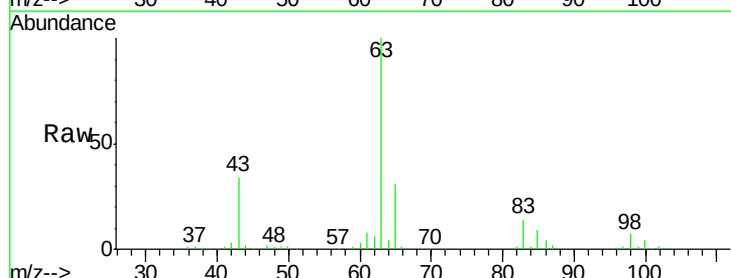
Tgt Ion: 63 Resp: 679365

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.9

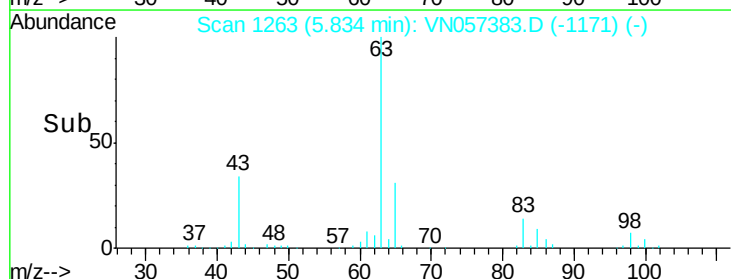
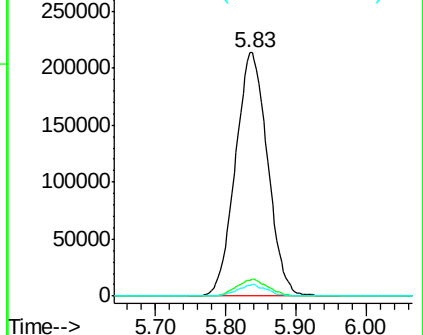
100 4.3 2.1 6.5

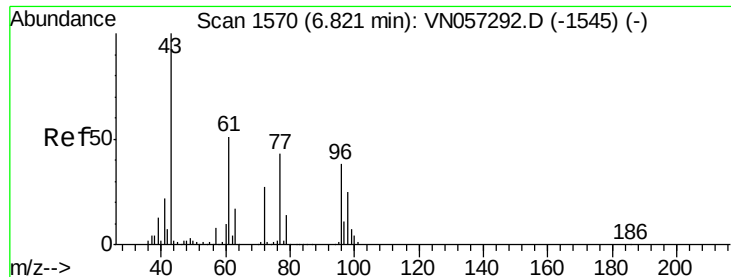


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





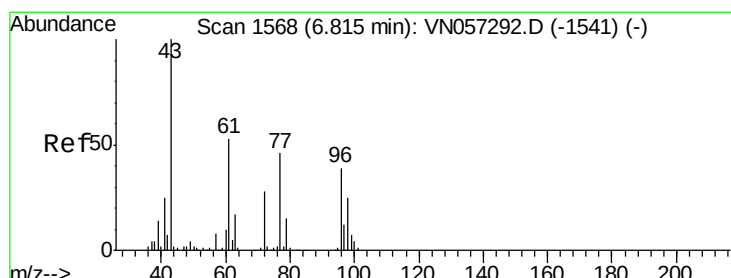
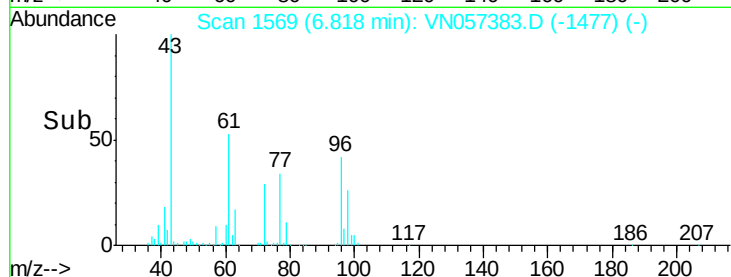
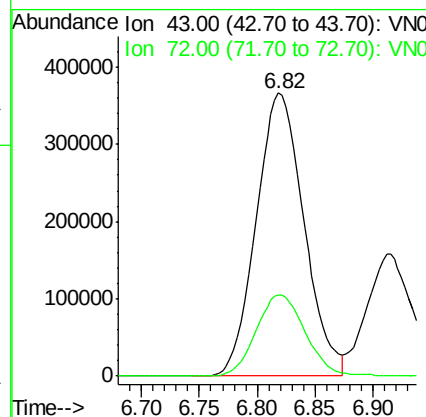
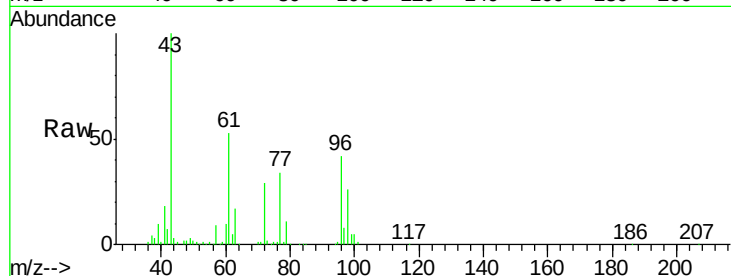
#25
2-Butanone
Concen: 231.698 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1045356
Ion Ratio Lower Upper
43 100
72 28.7 21.5 32.3

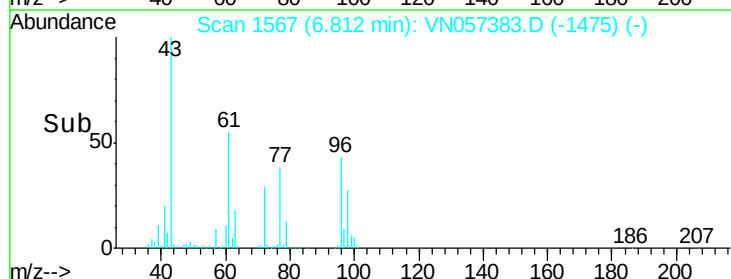
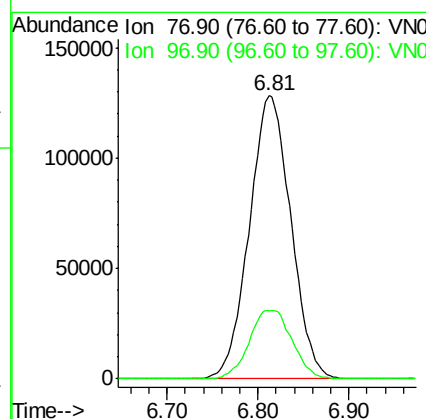
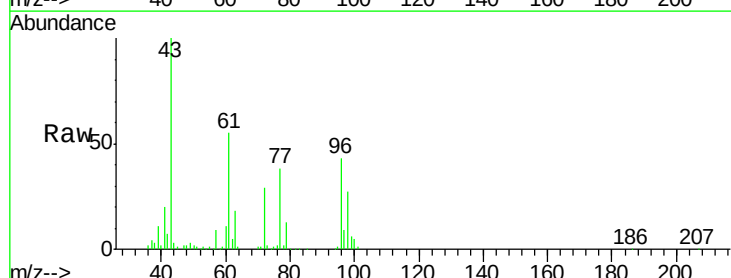
Manual Integrations
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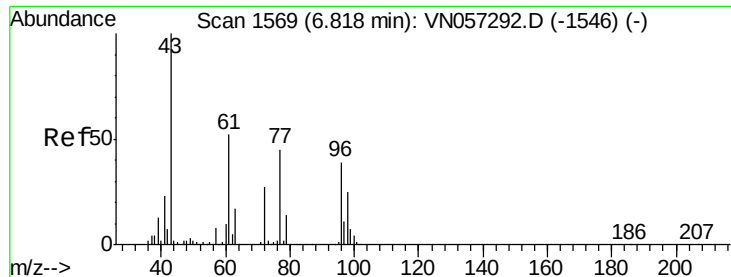
MMDadoda
8/19/2019 12:20:03 PM



#26
2,2-Dichloropropane
Concen: 35.588 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion: 77 Resp: 406151
Ion Ratio Lower Upper
77 100
97 25.0 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 47.966 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

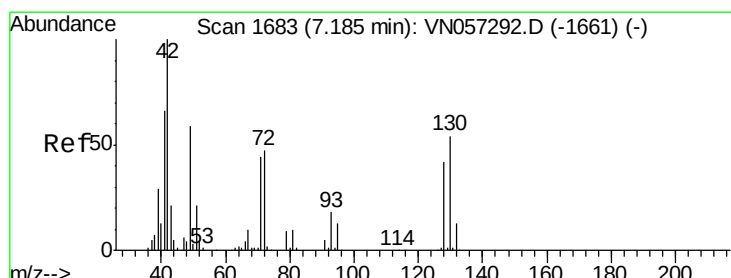
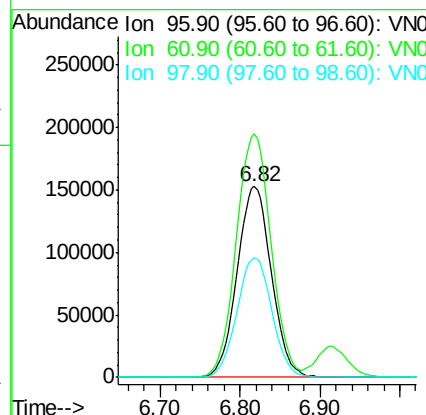
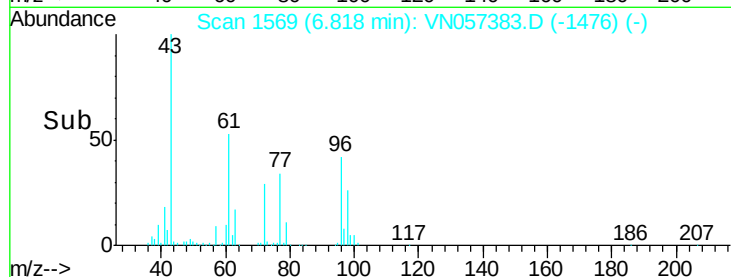
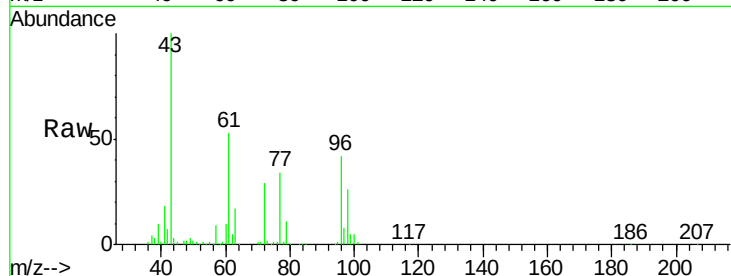
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	442655
Ion	Ratio	Lower	Upper
96	100		
61	129.6	0.0	272.0
98	64.0	0.0	130.4

Manual Integrations
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#28

Bromochloromethane

Concen: 49.485 ug/l

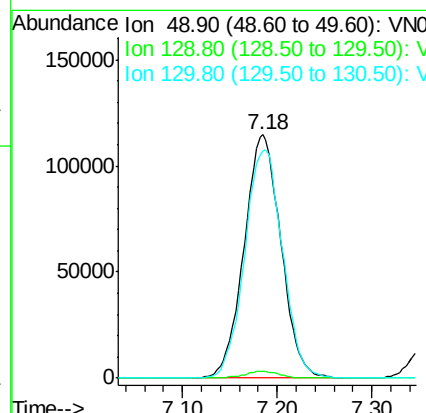
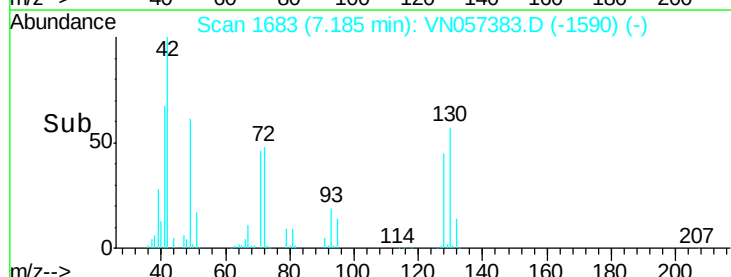
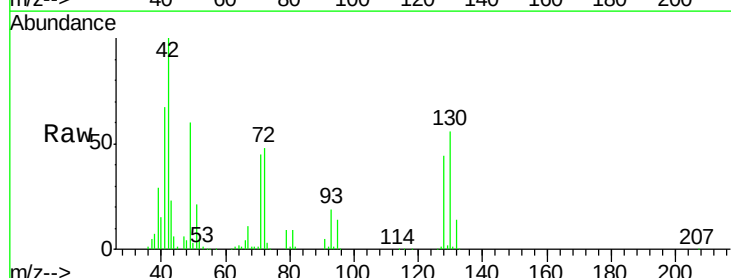
RT: 7.18 min Scan# 1683

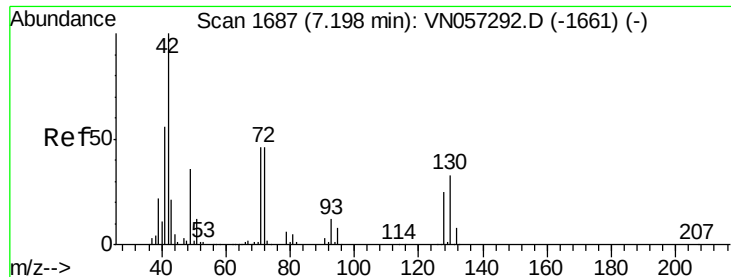
Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Tgt Ion:	49	Resp:	310494
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	2.0#
130	96.3	73.2	109.8





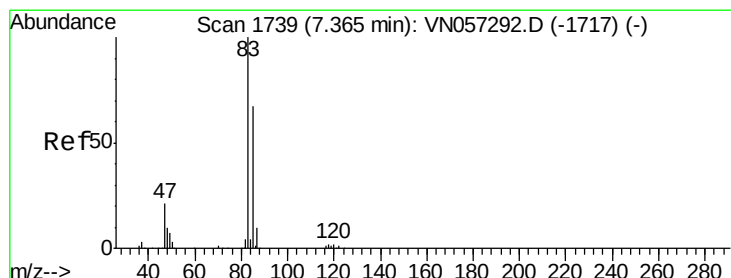
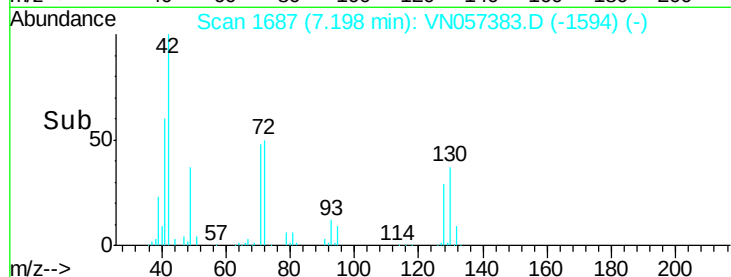
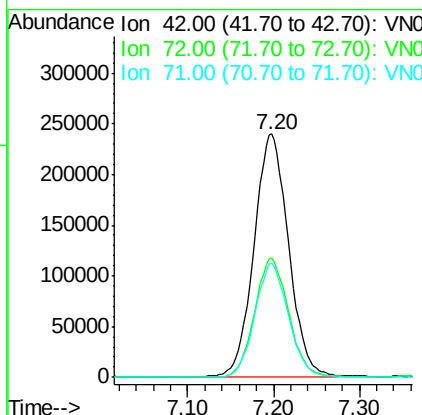
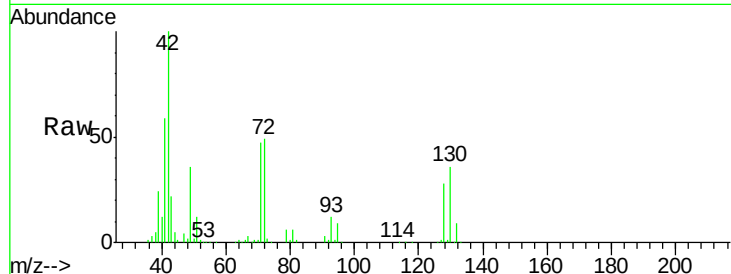
#29
Tetrahydrofuran
Concen: 235.495 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.4	37.8	56.6
71	45.5	35.7	53.5

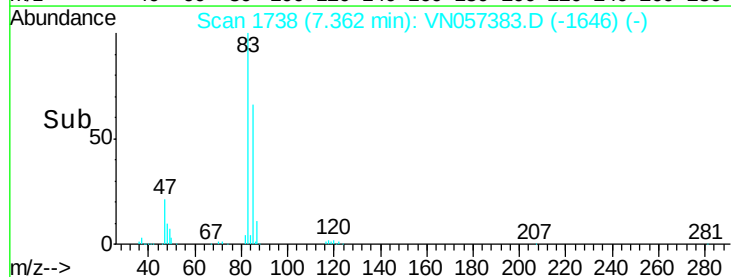
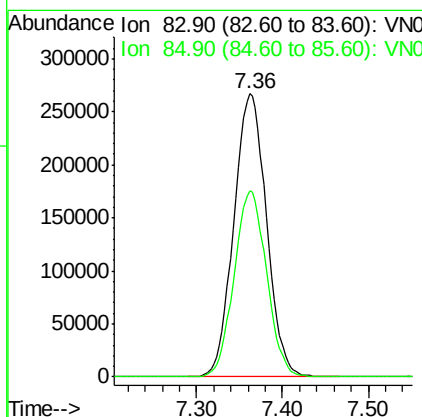
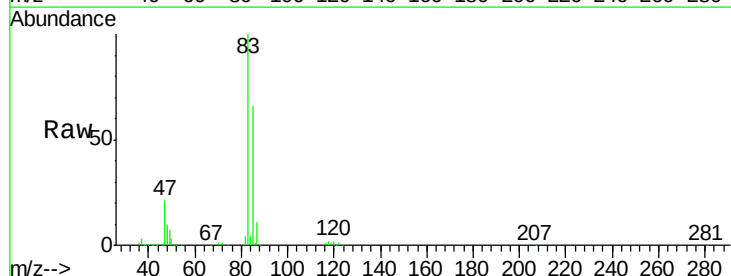
Manual Integrations
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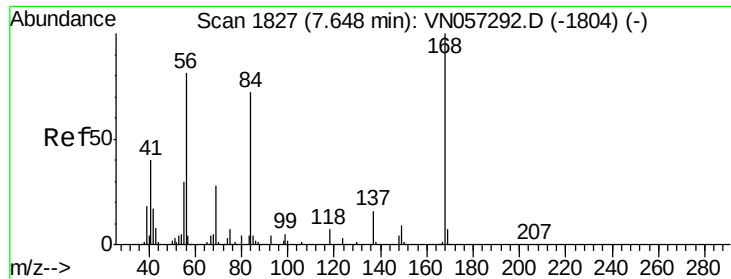
MMDadoda
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#30
Chloroform
Concen: 47.602 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.3	79.9





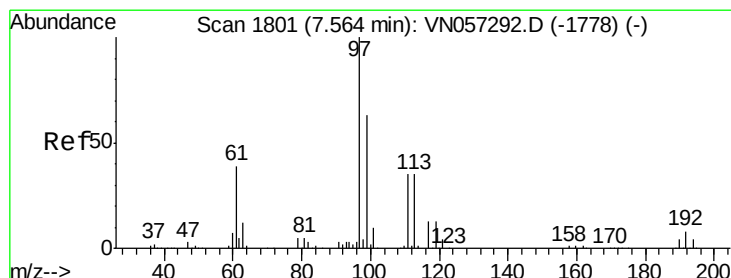
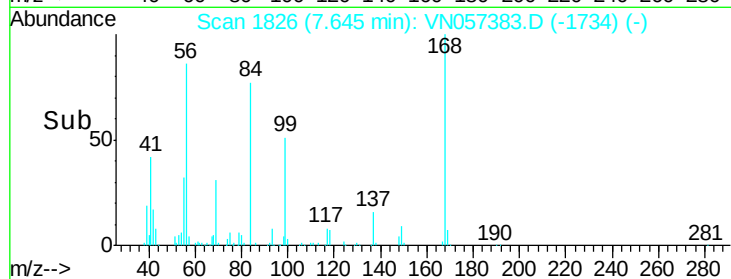
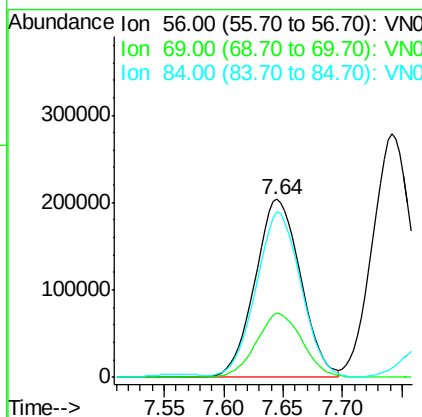
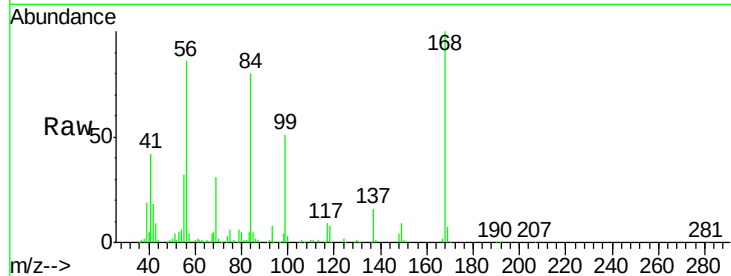
#31
Cyclohexane
Concen: 44.260 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	27.3	40.9
84	91.1	71.0	106.6

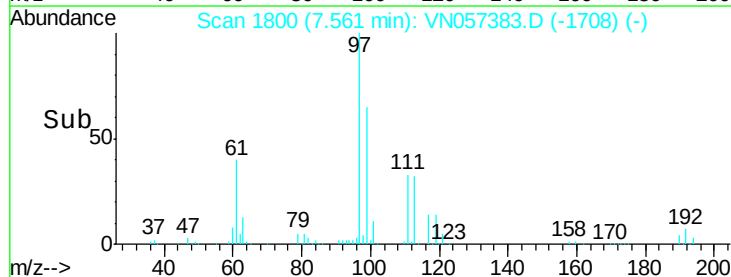
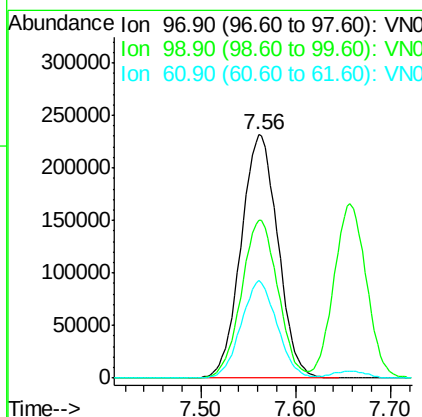
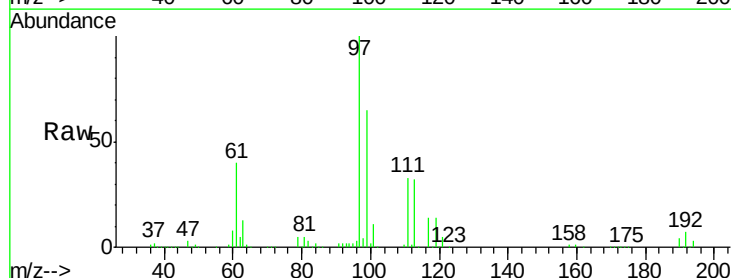
Manual Integrations
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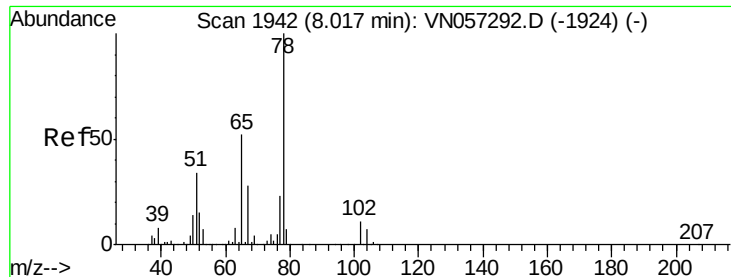
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#32
1,1,1-Trichloroethane
Concen: 50.366 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.3	75.5
61	38.9	31.3	46.9





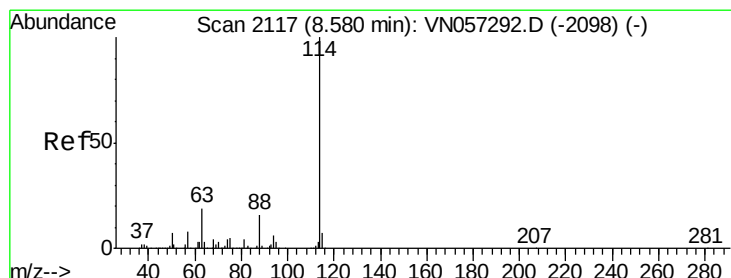
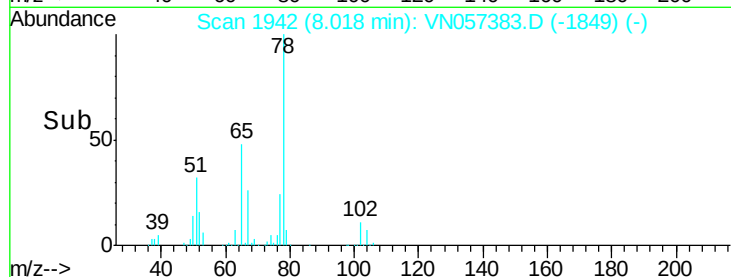
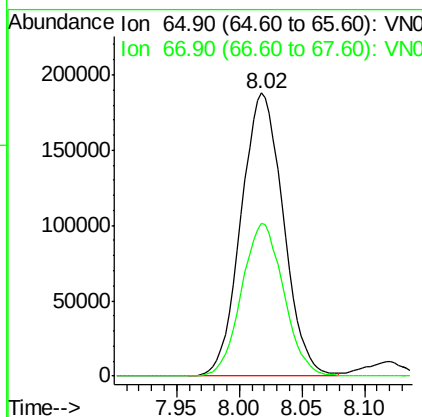
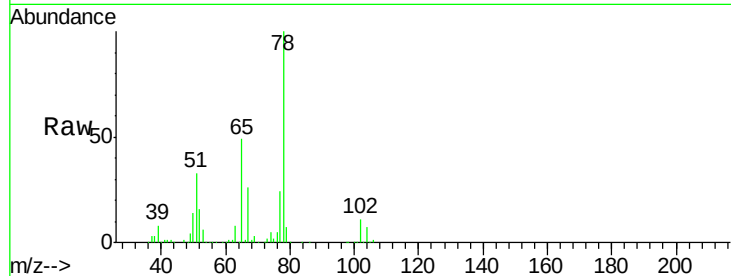
#33
 1,2-Dichloroethane-d4
 Concen: 49.142 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	107.4	

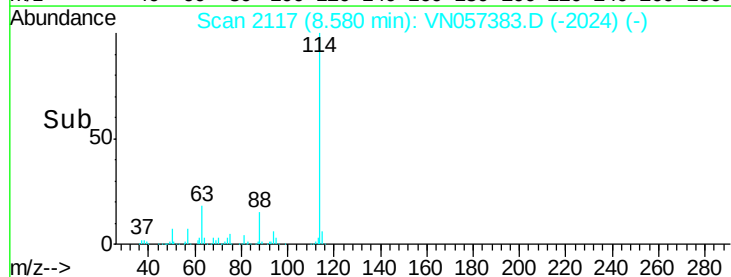
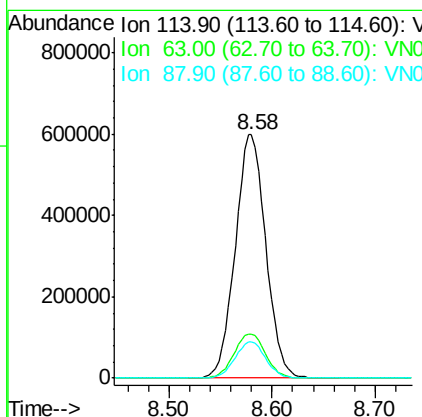
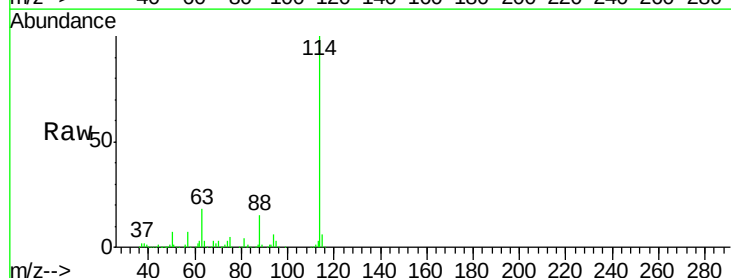
Manual Integrations
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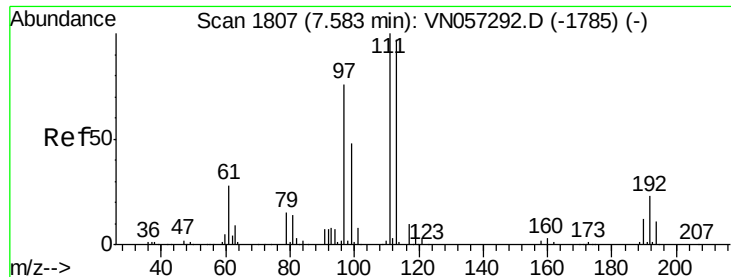
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 8/19/2019 12:20:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.1	0.0	38.8	
88	15.0	0.0	31.4	





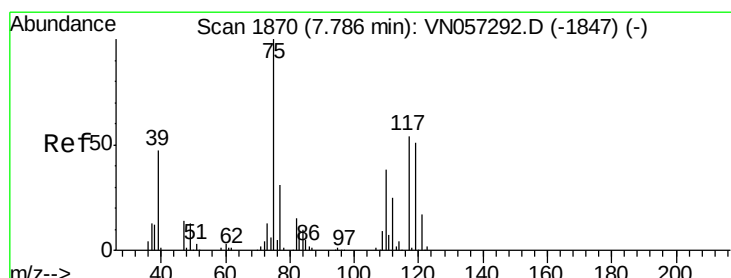
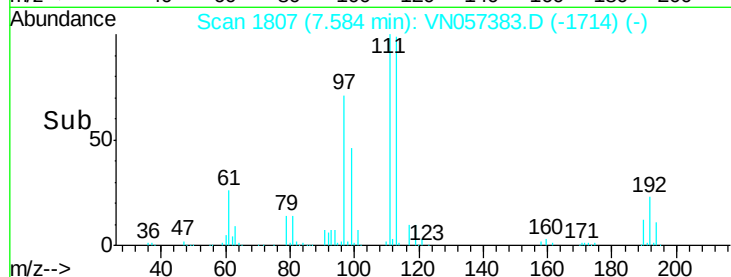
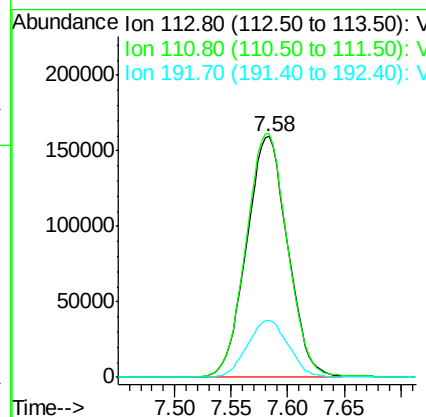
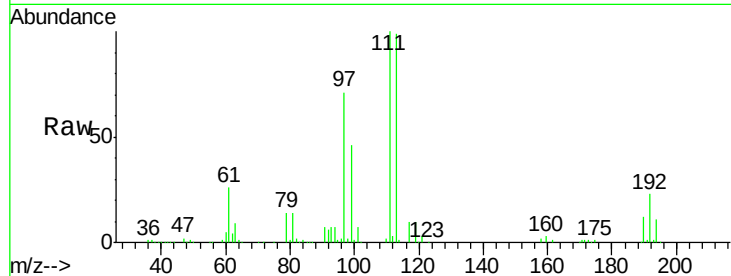
#35
Dibromofluoromethane
Concen: 49.933 ug/l
RT: 7.58 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	403612		
111	101.9	82.1	123.1	
192	23.8	19.3	28.9	

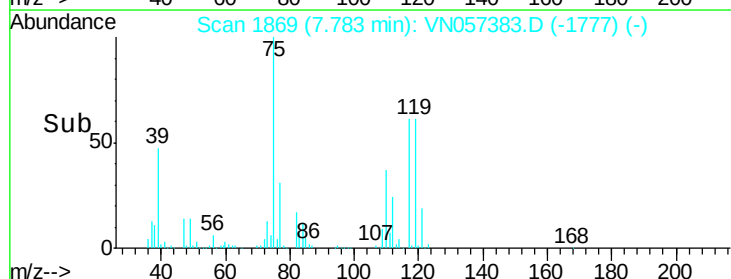
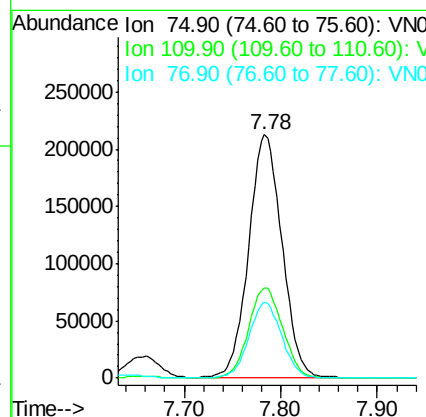
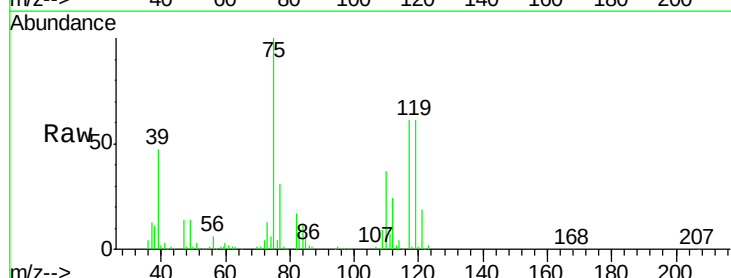
Manual Integrations
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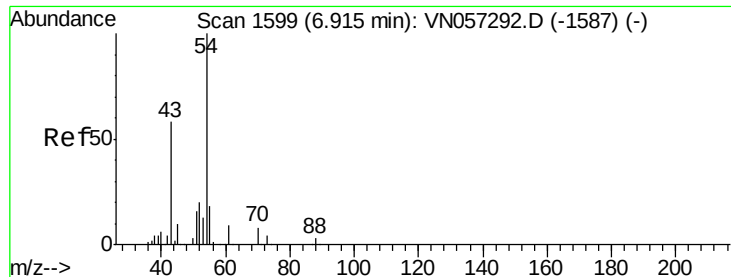
MMDadoda
8/19/2019 12:20:03 PM



#36
1,1-Dichloropropene
Concen: 46.744 ug/l
RT: 7.78 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	508918		
110	37.9	19.5	58.5	
77	31.1	25.0	37.6	





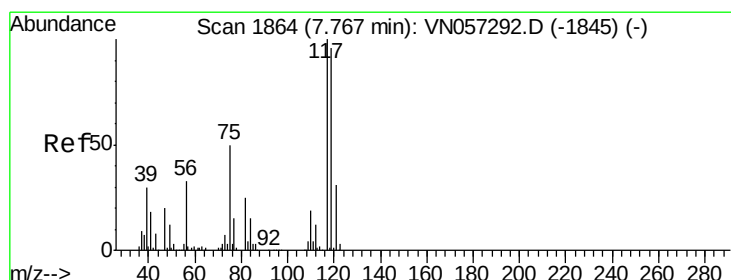
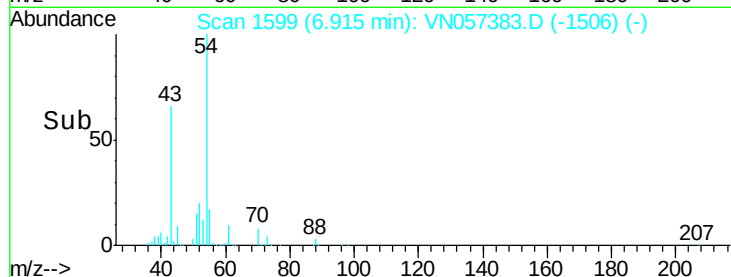
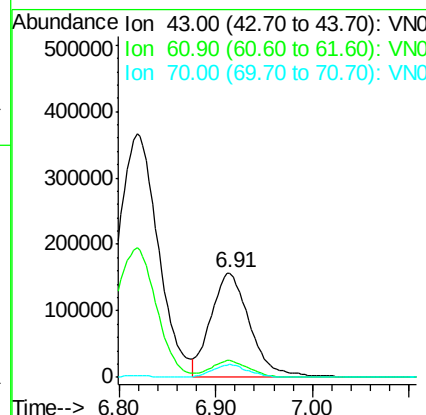
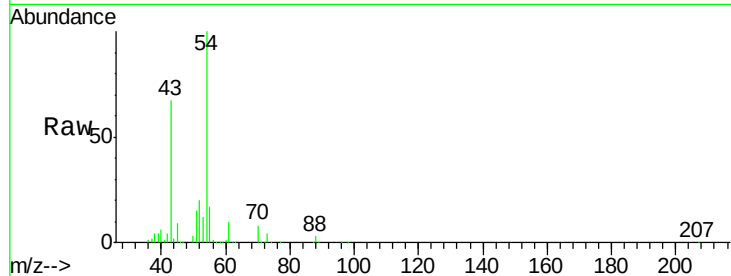
#37
Ethyl Acetate
Concen: 48.864 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.0	18.0
70	11.5	9.2	13.8

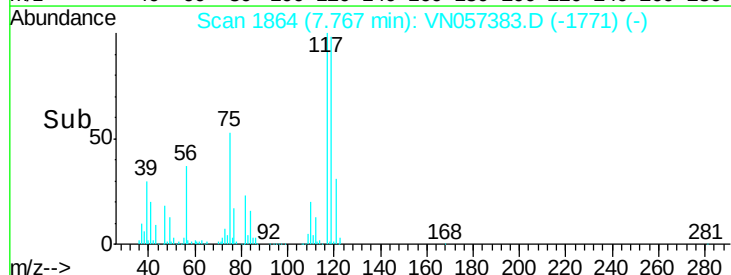
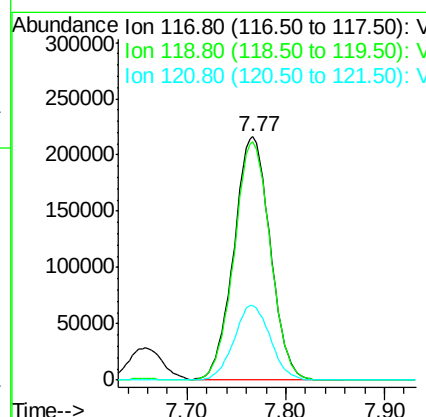
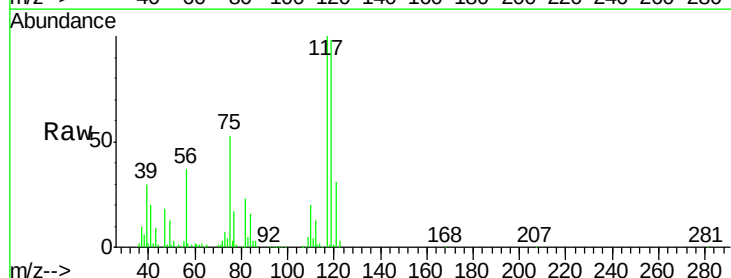
Manual Integrations
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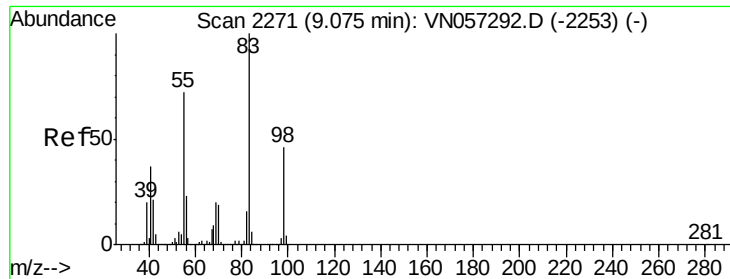
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#38
Carbon Tetrachloride
Concen: 48.858 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.8	115.2
121	30.7	25.0	37.4





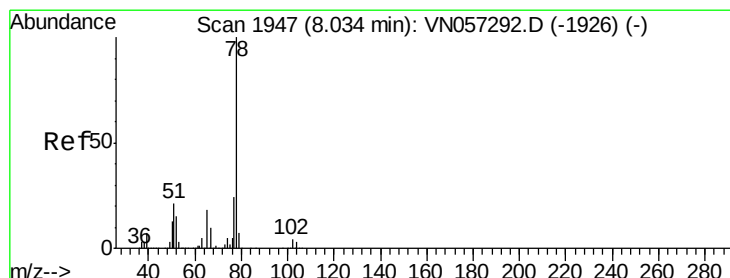
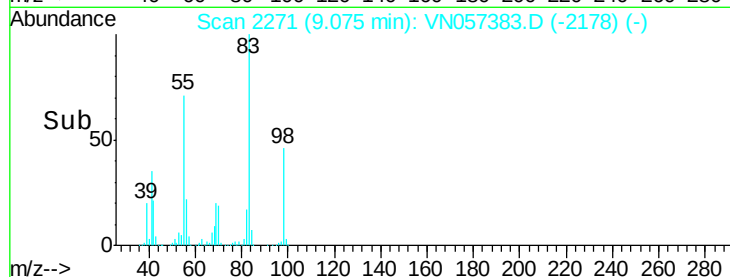
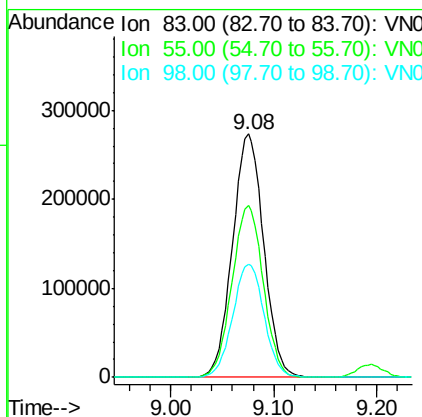
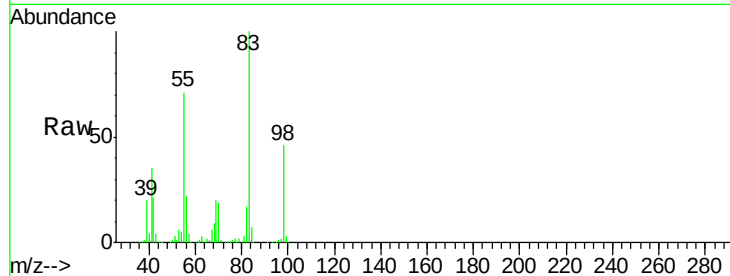
#39
Methylvlcyclohexane
Concen: 45.277 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.8	57.5	86.3
98	46.2	36.6	55.0

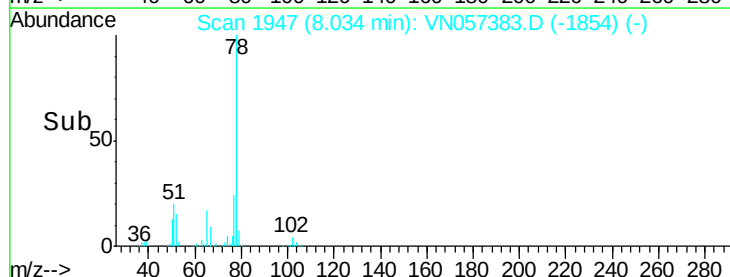
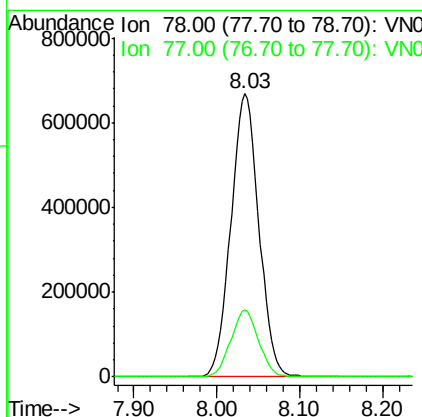
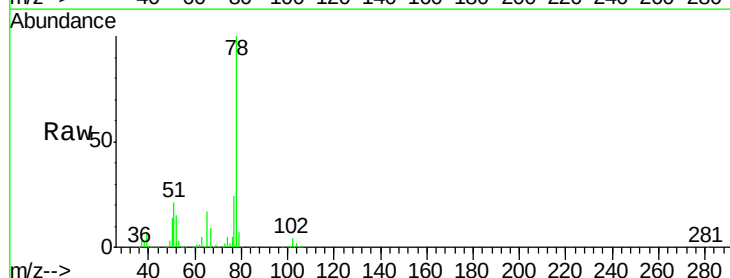
Manual Integrations
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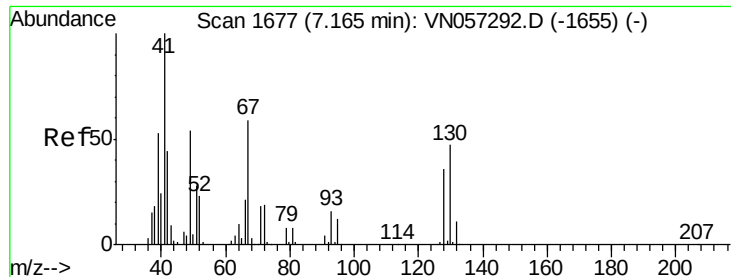
MMDadoda
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#40
Benzene
Concen: 47.153 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.1	28.7





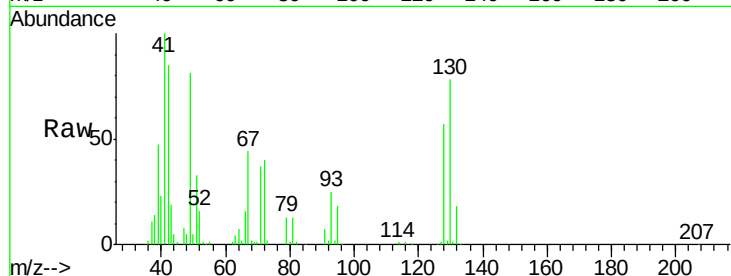
#41
Methacrylonitrile
Concen: 60.136 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

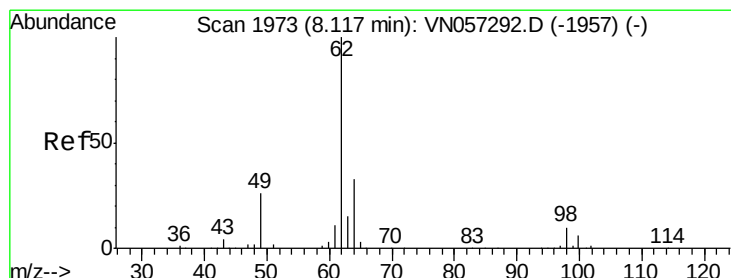
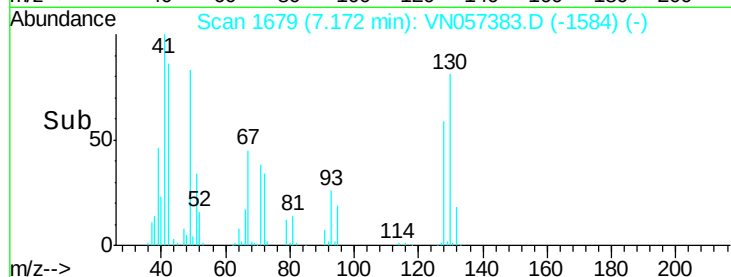
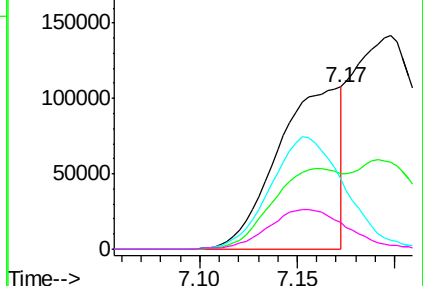
Tot Ion	41	Resp	241487
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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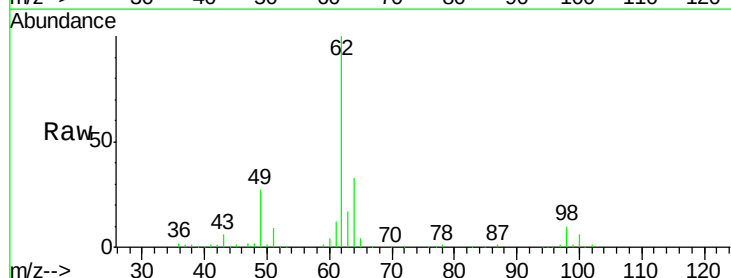


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

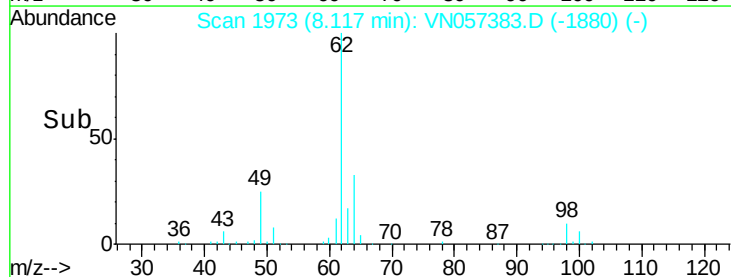
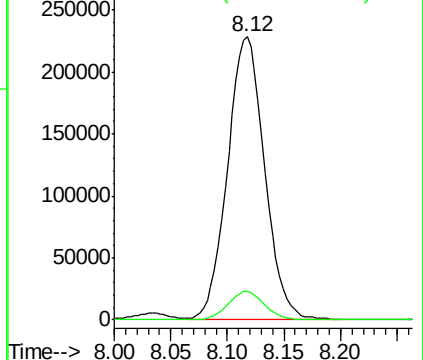


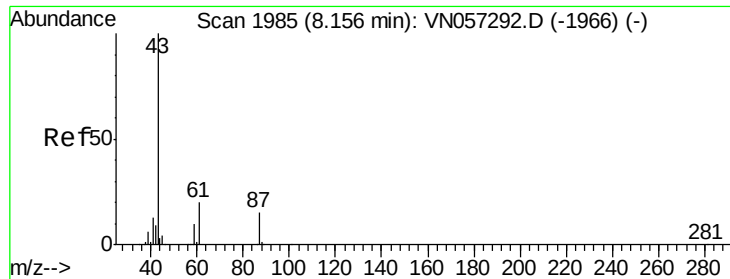
#42
1,2-Dichloroethane
Concen: 47.151 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	62	Resp	519671
Ion Ratio	Lower	Upper	
62	100		
98	9.9	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 56.220 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

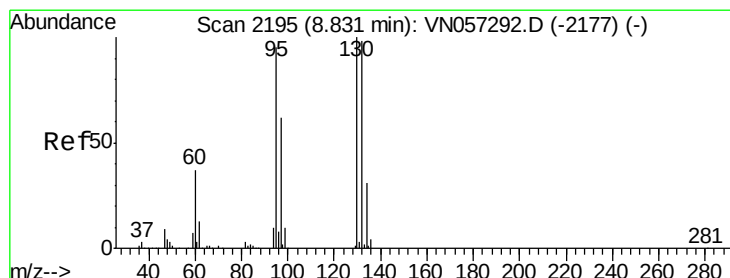
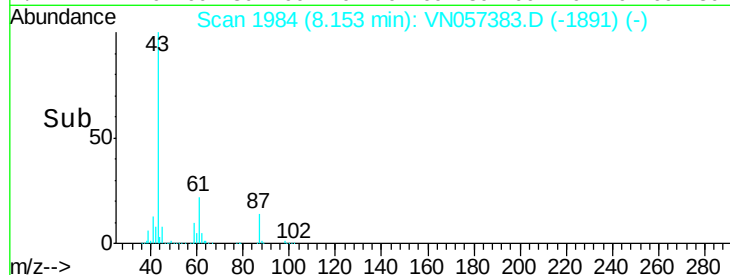
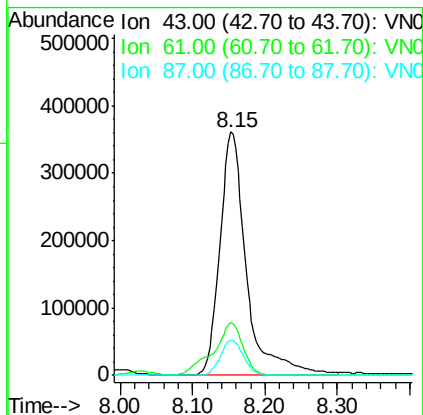
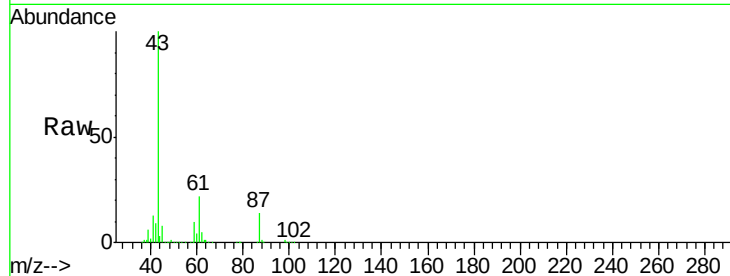
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	914520
Ion	Ratio	Lower	Upper
43	100		
61	23.7	21.6	32.4
87	12.6	11.4	17.0

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#44

Trichloroethene

Concen: 48.433 ug/l

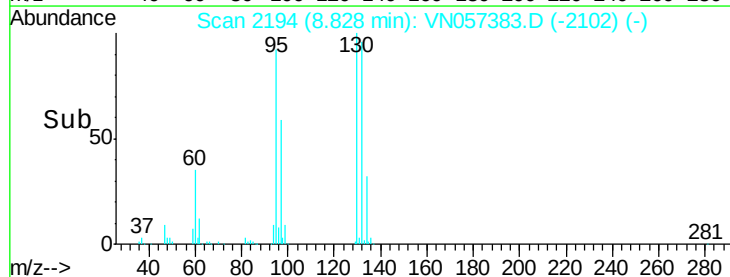
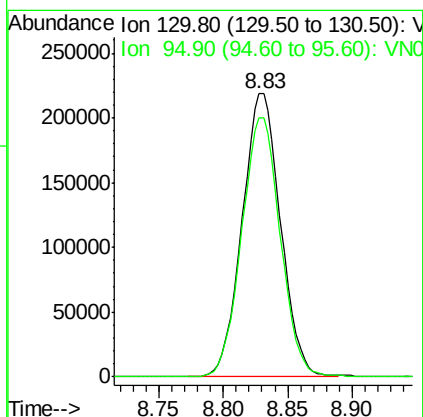
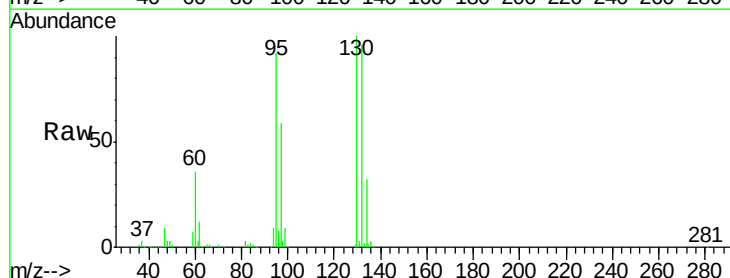
RT: 8.83 min Scan# 2194

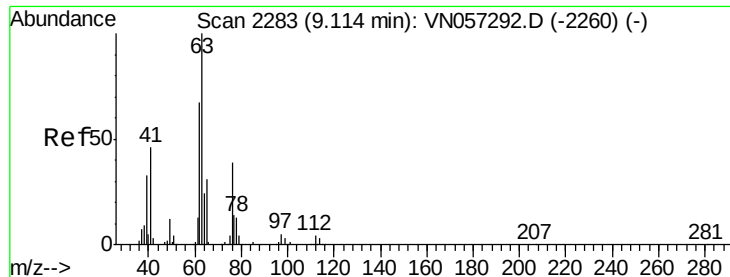
Delta R.T. -0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Tgt Ion:	130	Resp:	453441
Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	189.2





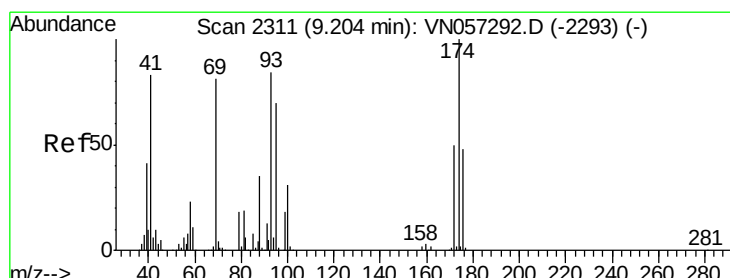
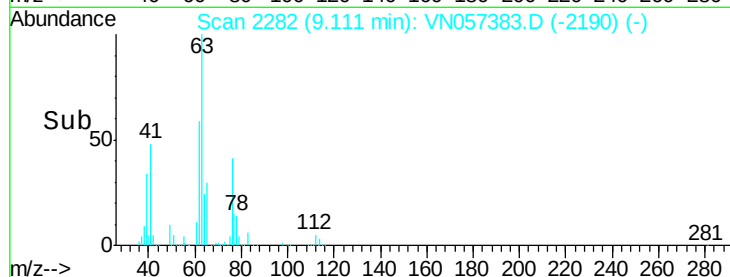
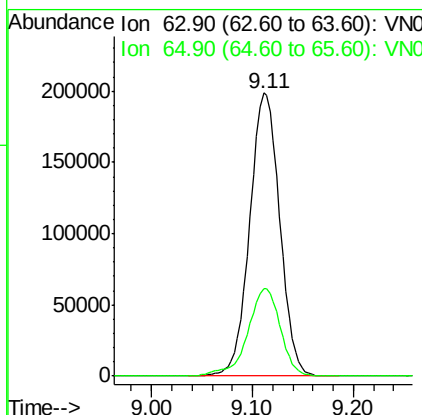
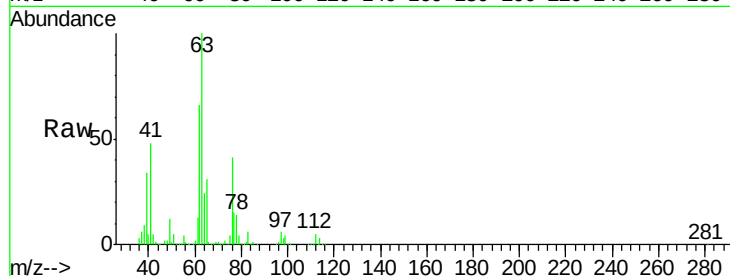
#45
1,2-Dichloropropane
Concen: 47.703 ug/l
RT: 9.11 min Scan# 2282
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.8	37.2

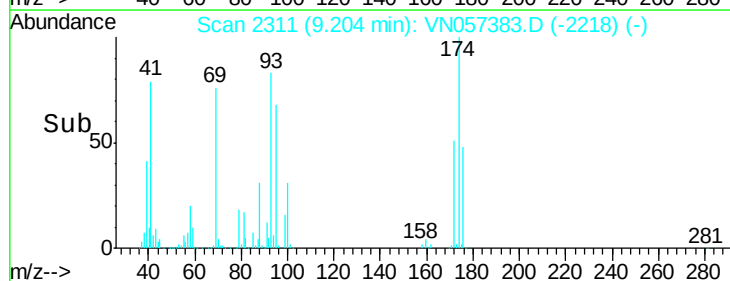
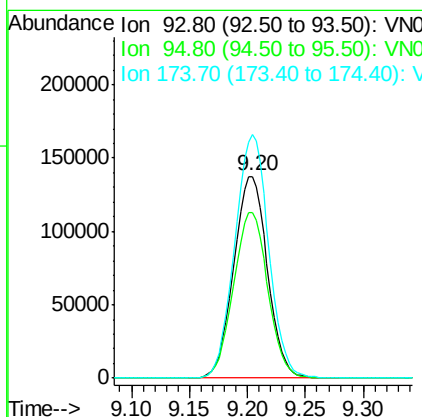
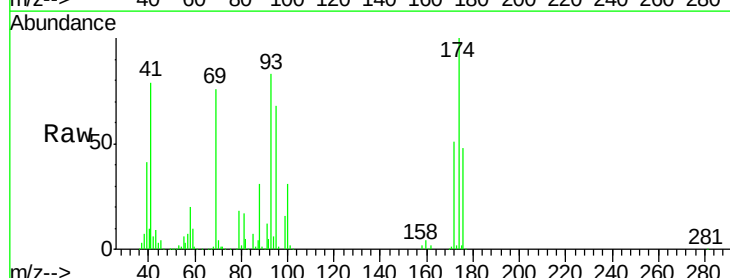
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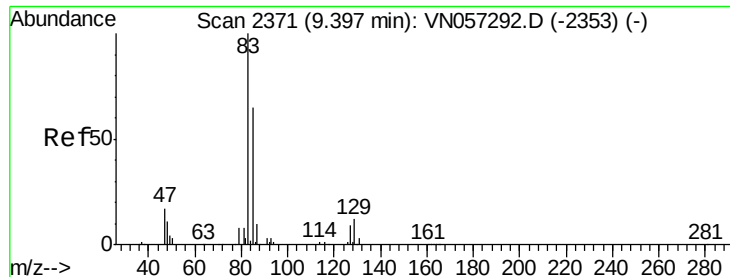
MMDadoda
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#46
Dibromomethane
Concen: 48.383 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.5	99.7
174	121.3	95.7	143.5





#47

Bromodichloromethane

Concen: 48.788 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

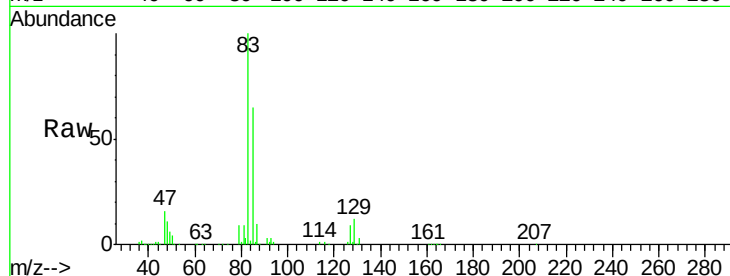
ClientSampleId :

VSTDCCC050EC

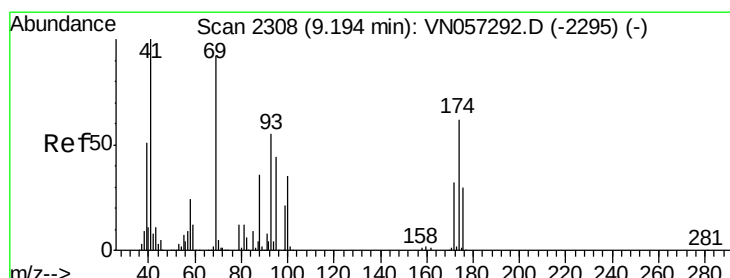
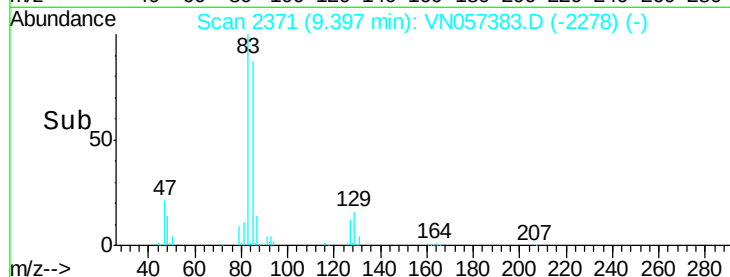
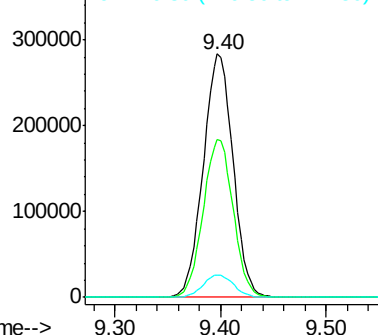
Tot Ion:	83	Resp:	553531
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.9	77.9
127	9.3	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN057292.D (-2353) (-)



#48

Methyl methacrylate

Concen: 48.414 ug/l

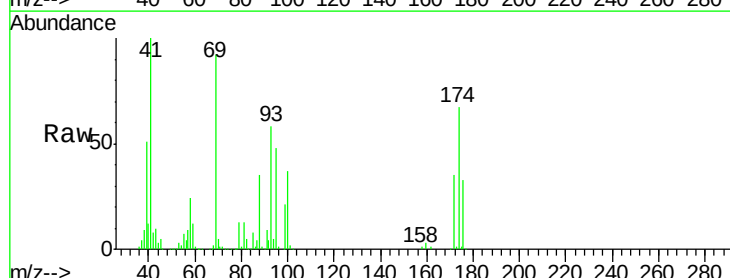
RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

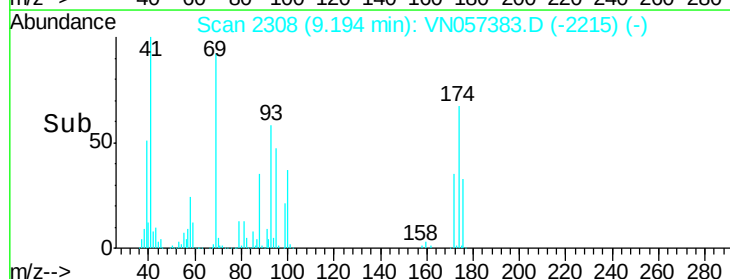
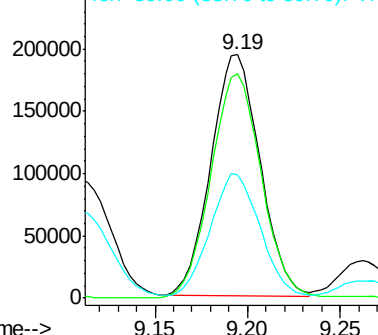
Lab File: VN057383.D

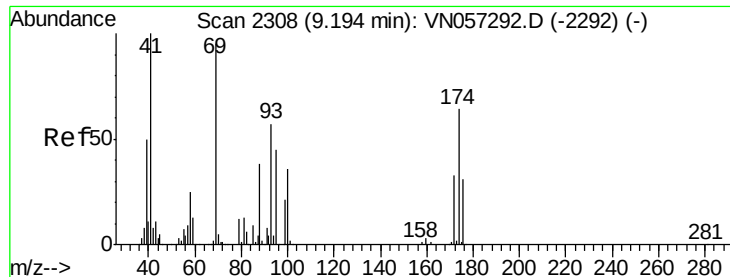
Acq: 17 Aug 2019 3:17

Tgt Ion:	41	Resp:	355505
Ion Ratio	Lower	Upper	
41	100		
69	96.5	75.9	113.9
39	53.0	42.3	63.5



Abundance Ion 41.00 (40.70 to 41.70): VN057292.D (-2295) (-)





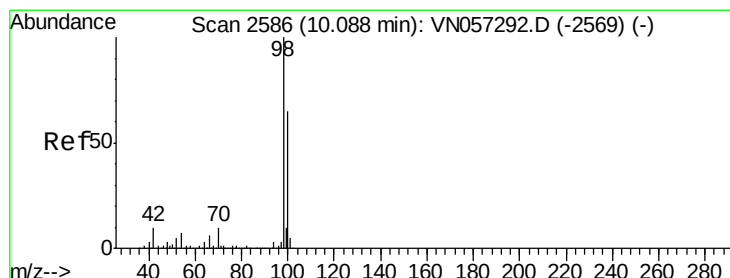
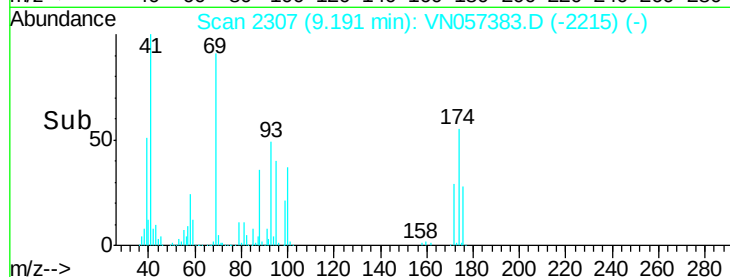
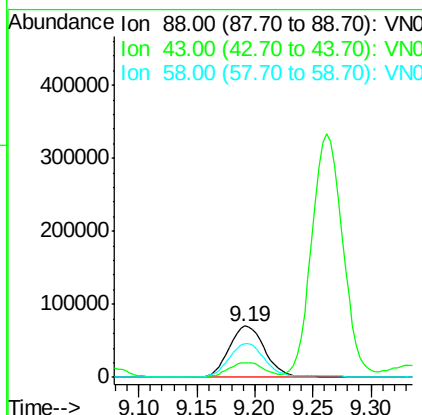
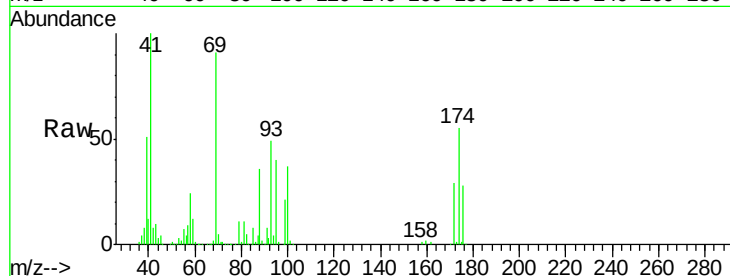
#49
1,4-Dioxane
Concen: 986.208 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.4	22.9	34.3
58	65.0	52.7	79.1

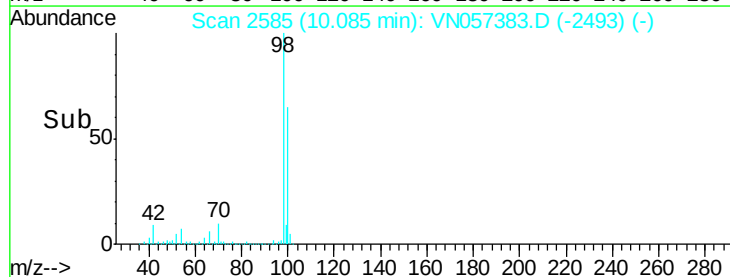
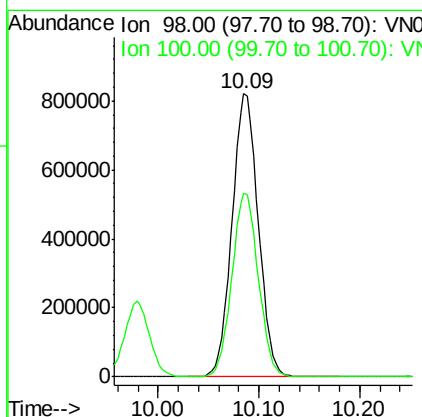
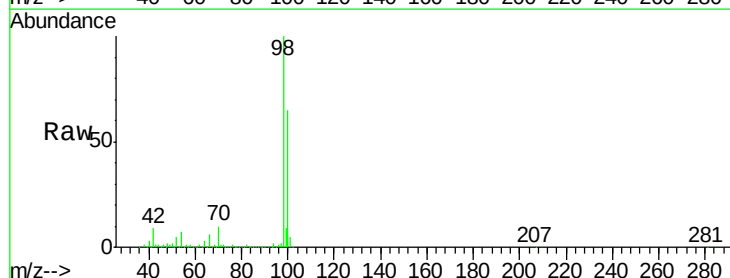
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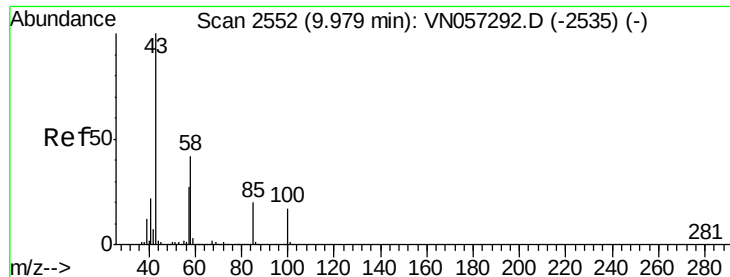
MMDadoda
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#50
Toluene-d8
Concen: 50.261 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 238.742 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 2196277

Ion Ratio Lower Upper

43 100

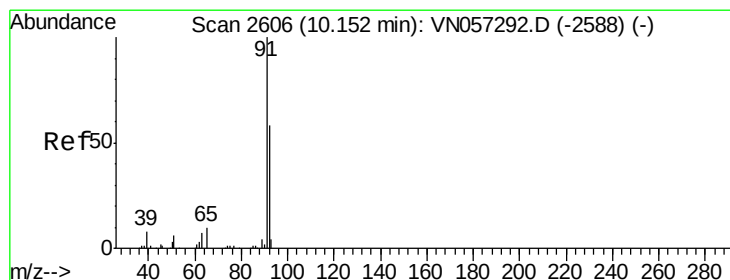
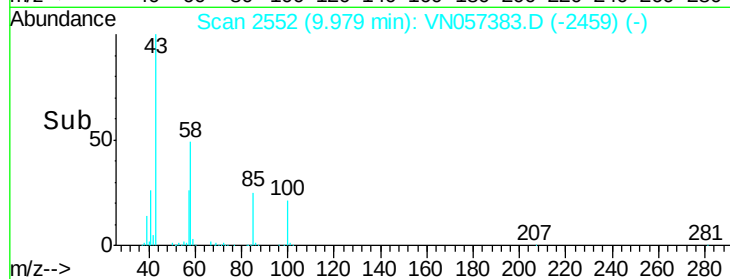
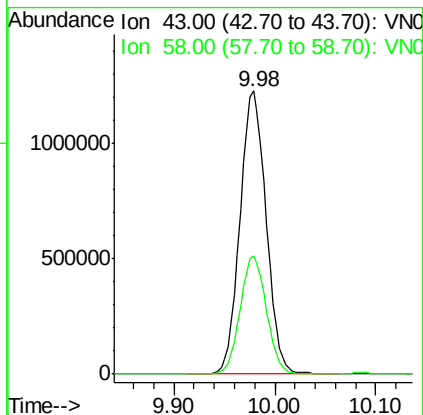
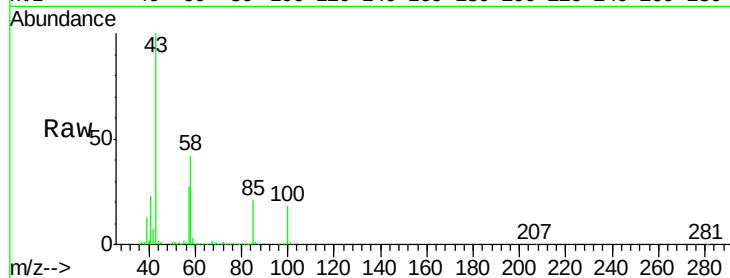
58 41.8 33.2 49.8

Manual Integrations

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#52

Toluene

Concen: 48.951 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057383.D

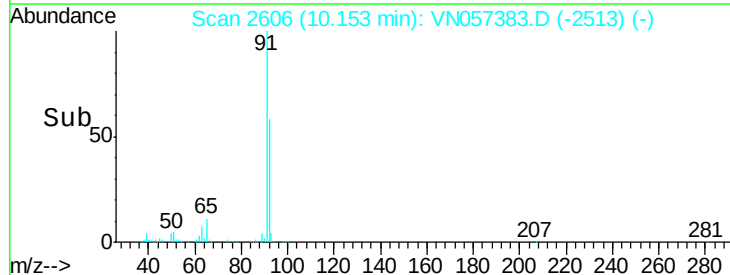
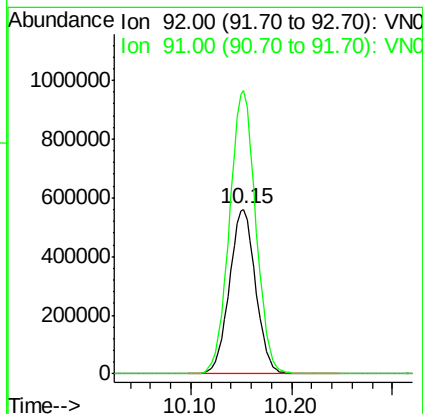
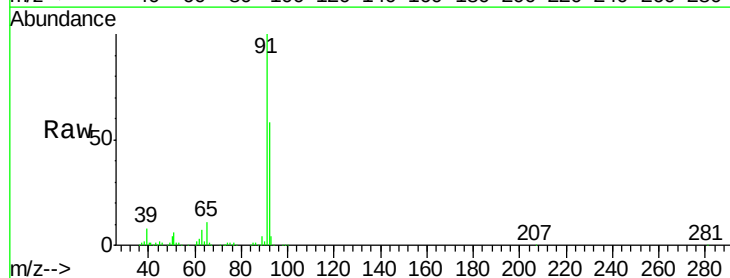
Acq: 17 Aug 2019 3:17

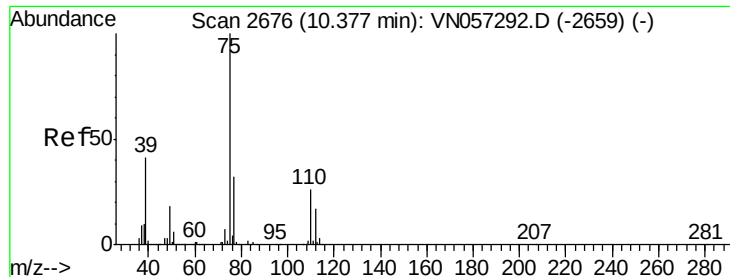
Tgt Ion: 92 Resp: 1014613

Ion Ratio Lower Upper

92 100

91 172.5 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 47.234 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 579668

Ion Ratio Lower Upper

75 100

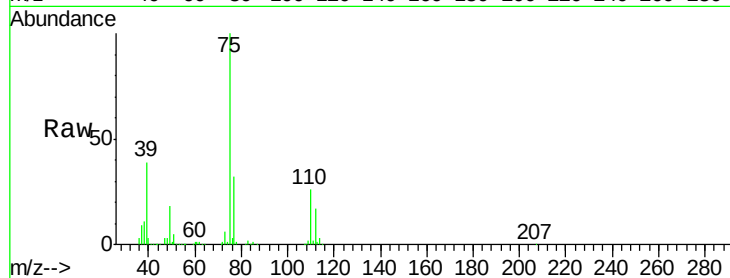
77 31.6 25.5 38.3

Manual Integrations

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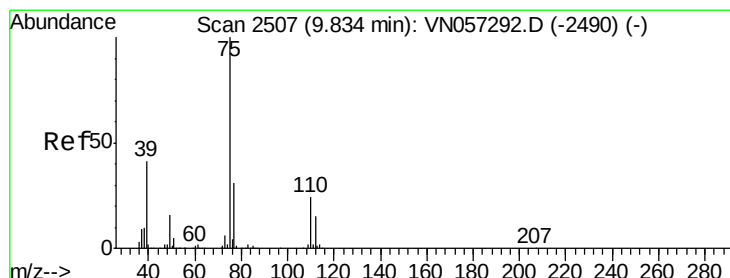
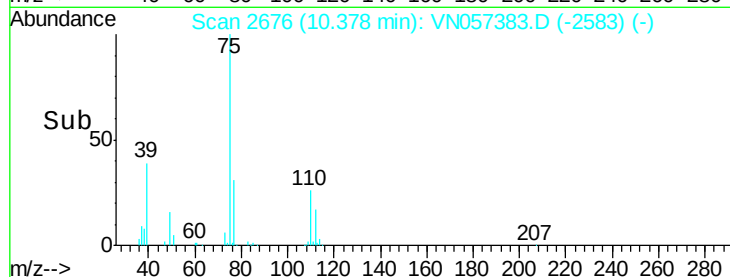
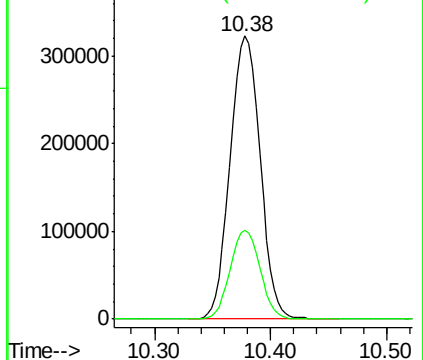
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 46.770 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

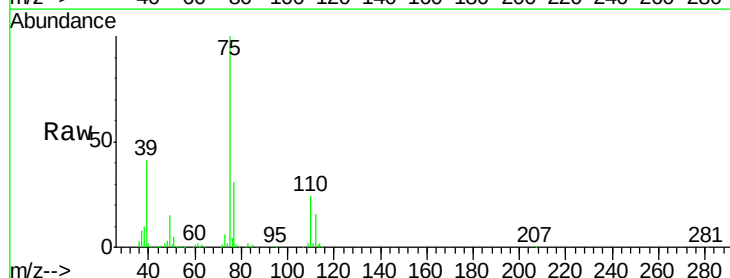
Tgt Ion: 75 Resp: 632927

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3

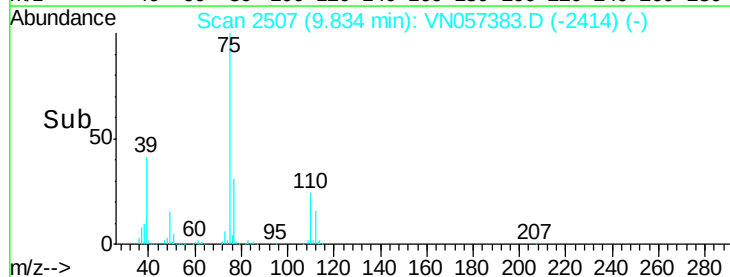
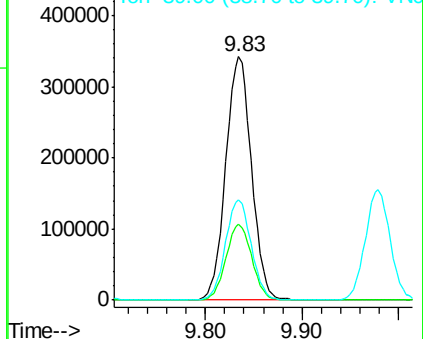
39 41.2 32.7 49.1

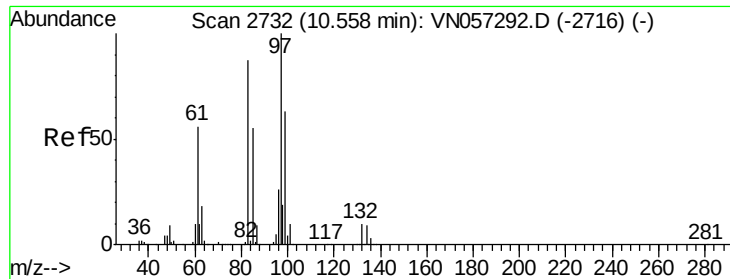


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





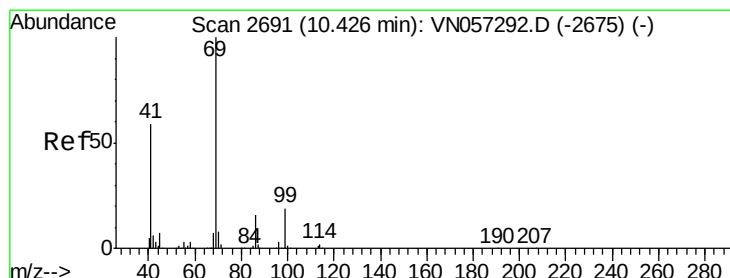
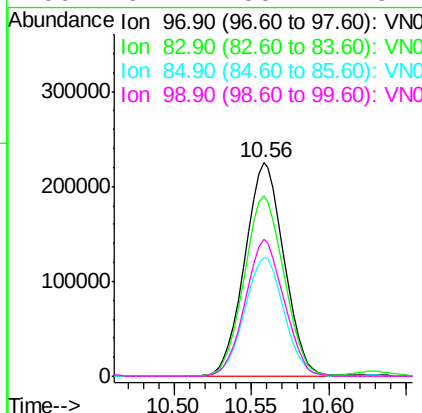
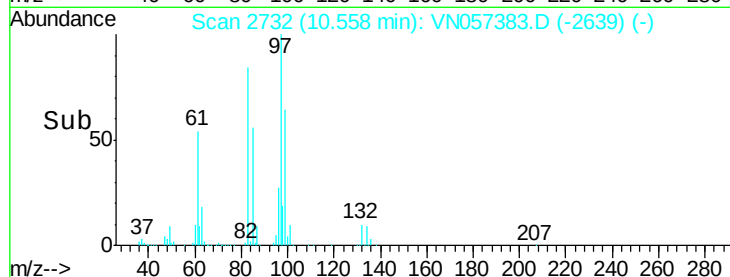
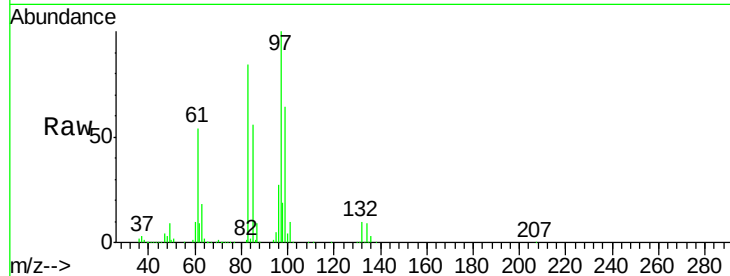
#55
 1,1,2-Trichloroethane
 Concen: 48.791 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	397660
Ion Ratio	Lower	Upper	
97	100		
83	84.5	69.8	104.8
85	55.9	44.1	66.1
99	64.1	50.2	75.2

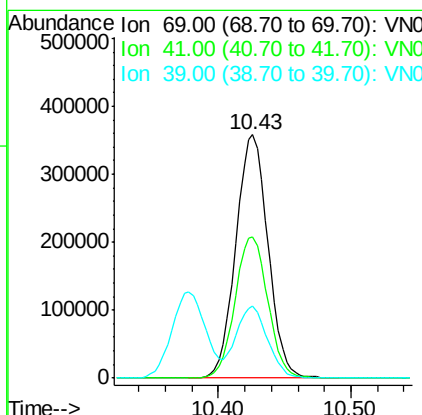
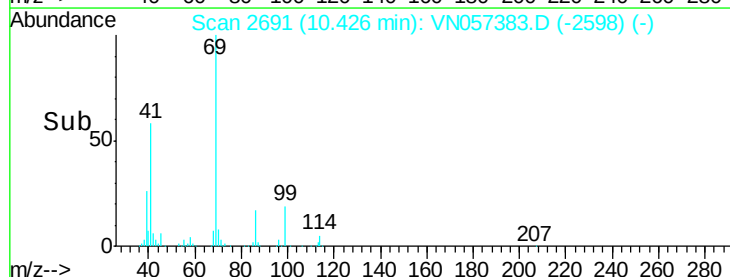
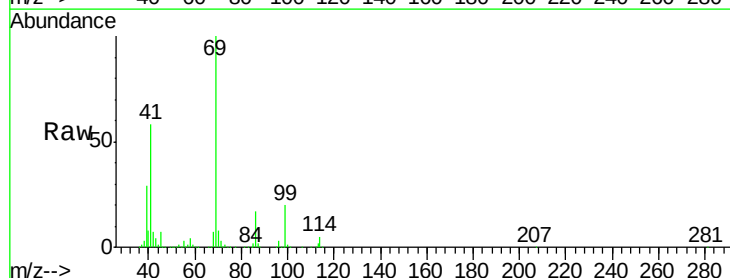
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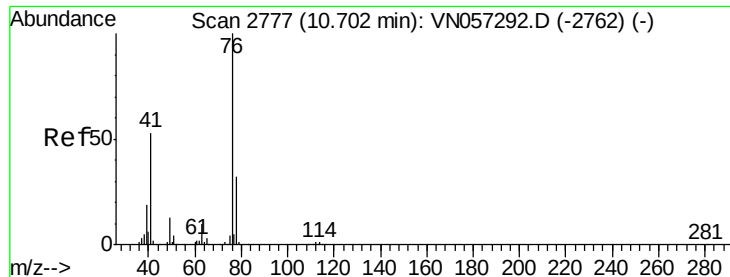
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#56
 Ethyl methacrylate
 Concen: 50.675 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion	69	Resp	602729
Ion Ratio	Lower	Upper	
69	100		
41	58.8	48.2	72.2
39	28.7	23.4	35.0





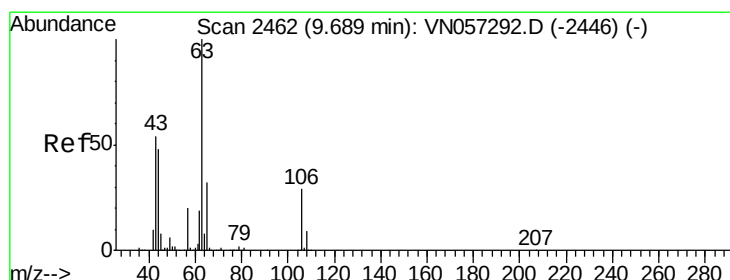
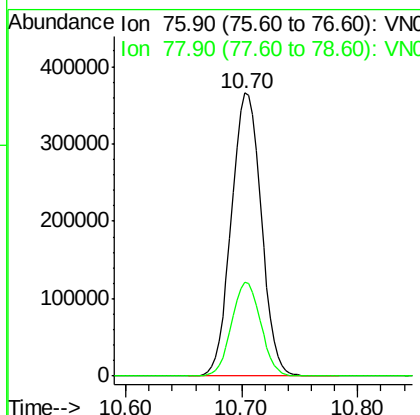
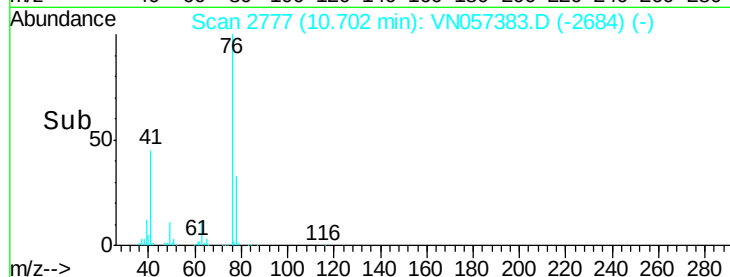
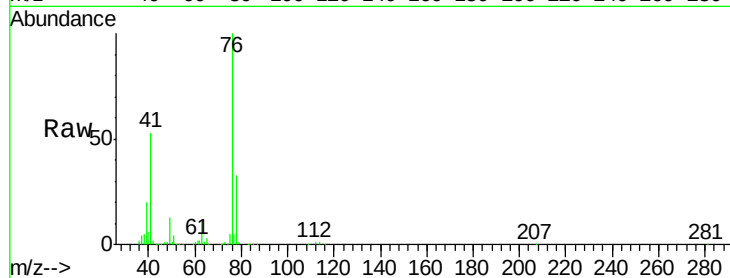
#57
 1,3-Dichloropropane
 Concen: 48.100 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 654905
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

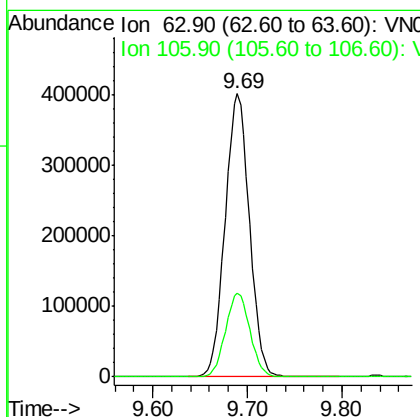
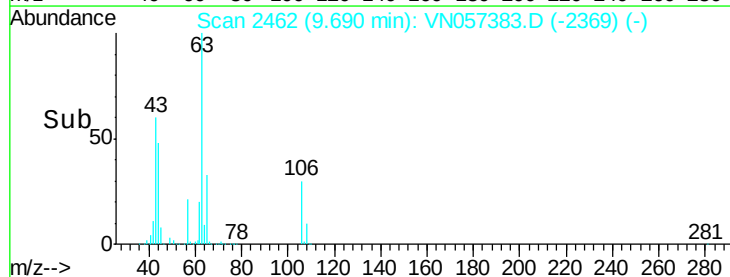
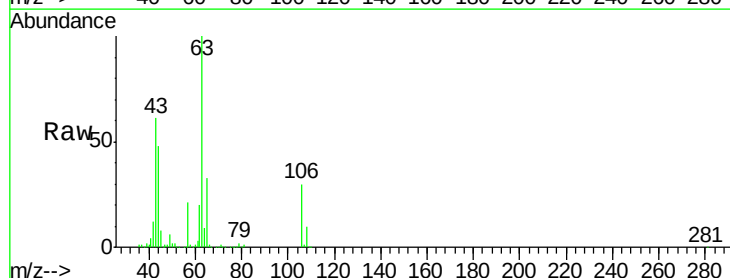
Manual Integrations
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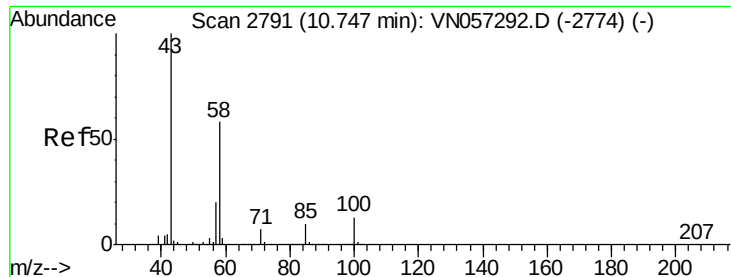
MMDadoda
 8/19/2019 12:20:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 206.087 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion: 63 Resp: 715450
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.2 34.8





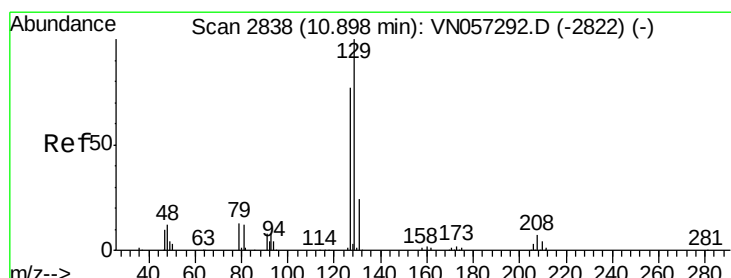
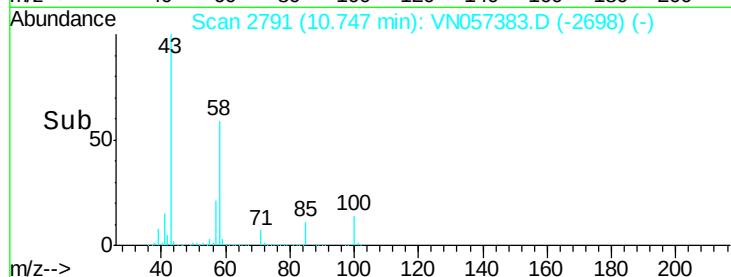
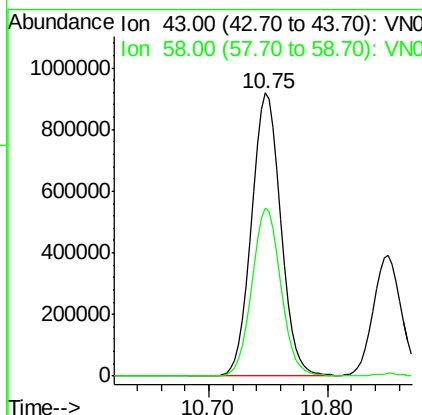
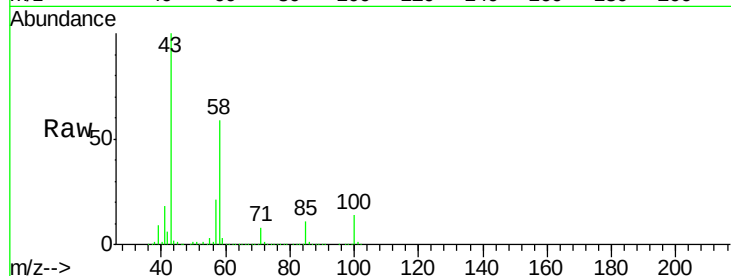
#59
2-Hexanone
Concen: 236.659 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1565179
Ion Ratio Lower Upper
43 100
58 58.8 28.6 85.9

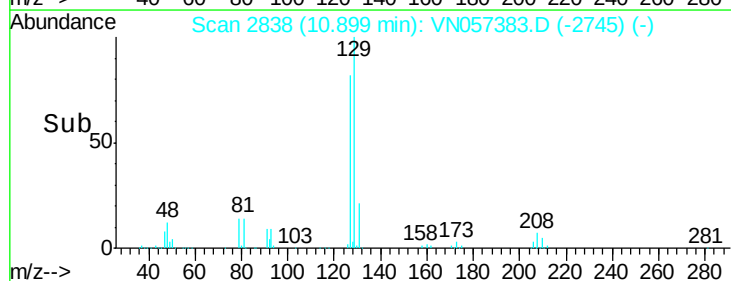
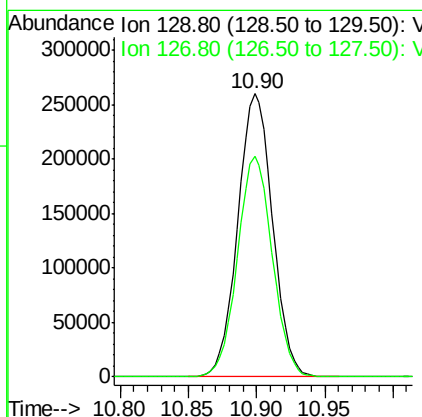
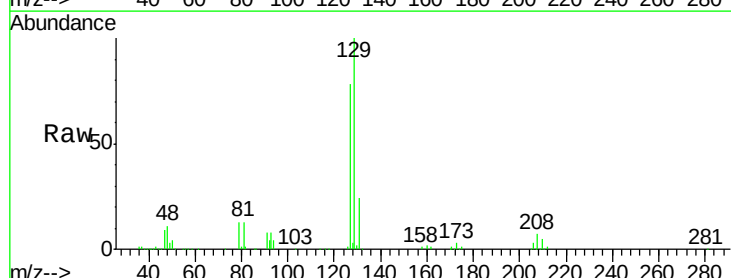
Manual Integrations
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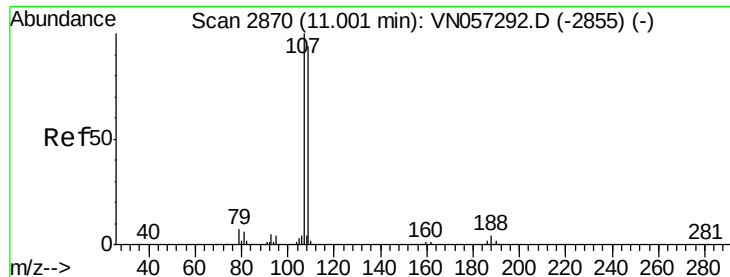
MMDadoda
8/19/2019 12:20:03 PM



#60
Dibromochloromethane
Concen: 50.391 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion: 129 Resp: 460244
Ion Ratio Lower Upper
129 100
127 78.1 39.0 116.9





#61

1,2-Dibromoethane

Concen: 49.133 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 426573

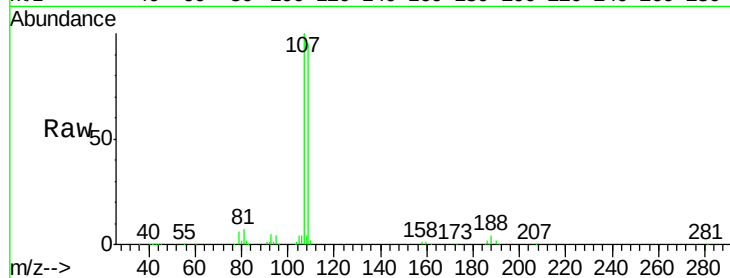
Ion Ratio Lower Upper

107 100

109 94.9 75.7 113.5

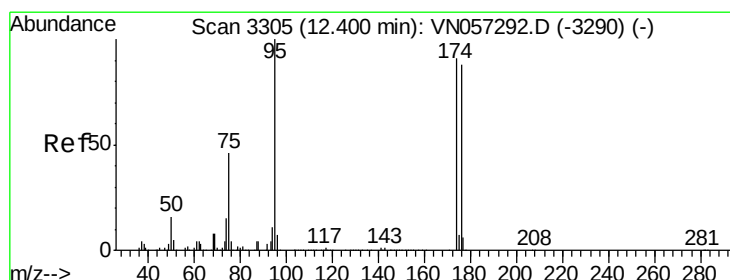
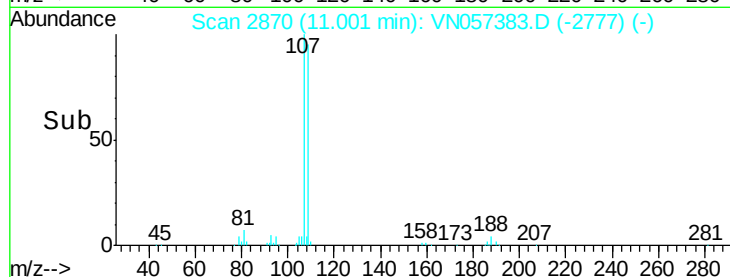
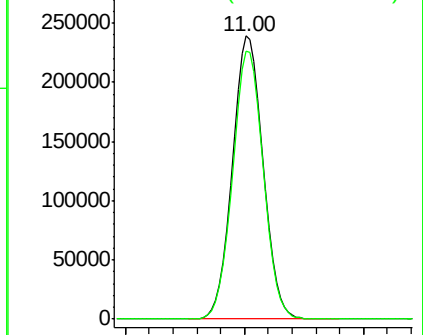
Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.974 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

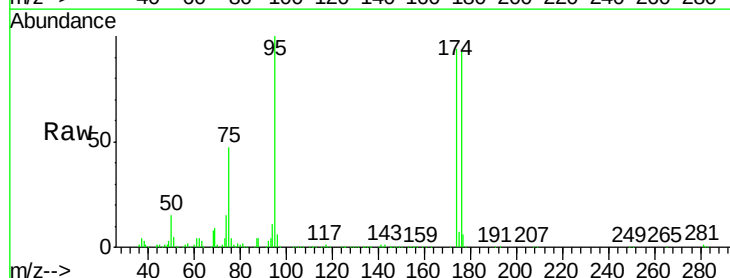
Tgt Ion: 95 Resp: 511663

Ion Ratio Lower Upper

95 100

174 96.6 0.0 185.0

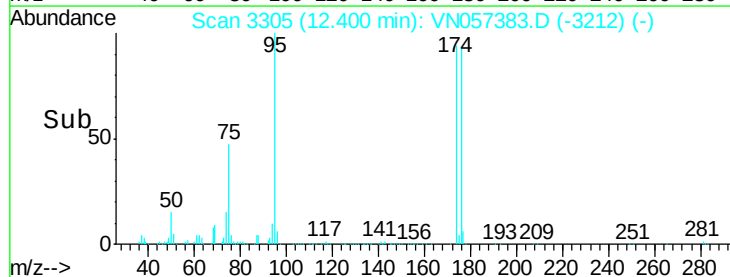
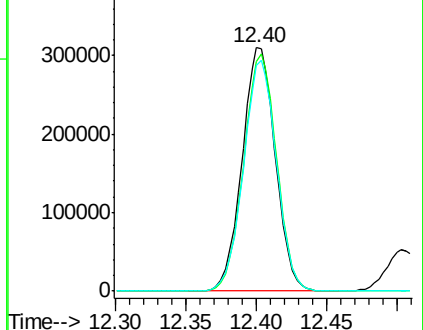
176 94.1 0.0 181.0

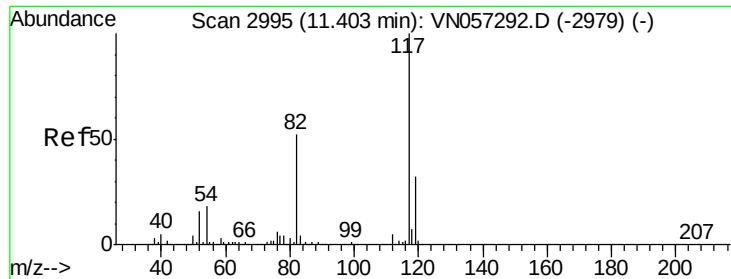


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





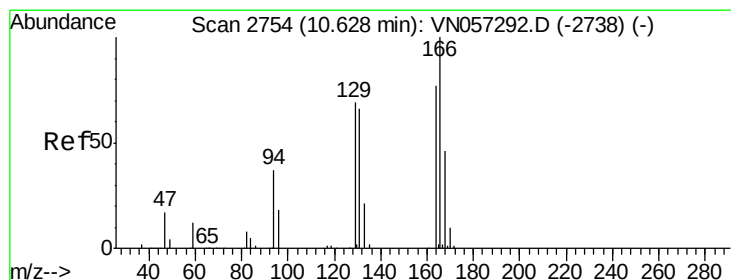
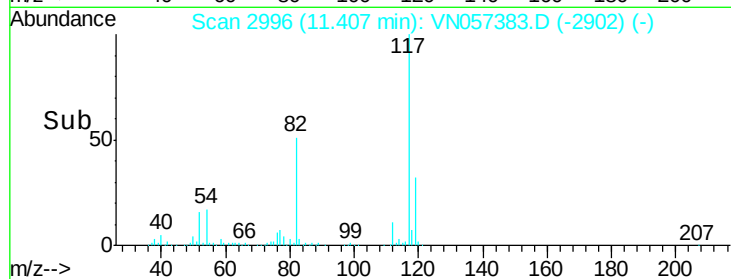
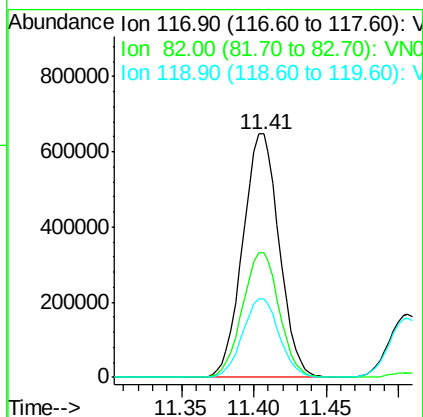
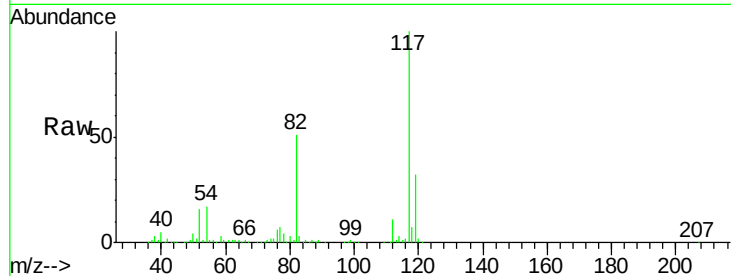
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	41.2	61.8
119	32.1	25.8	38.8

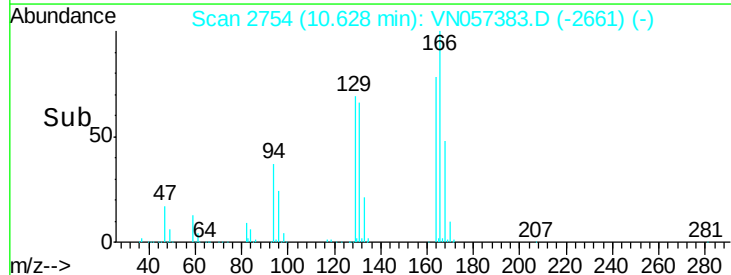
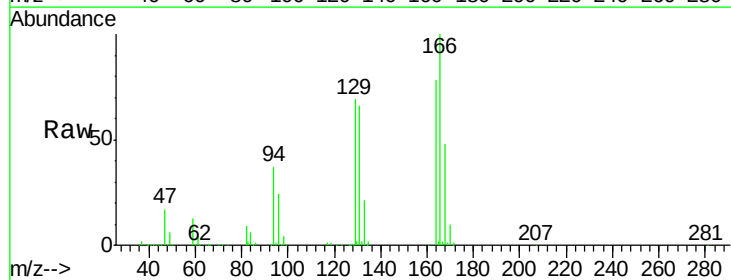
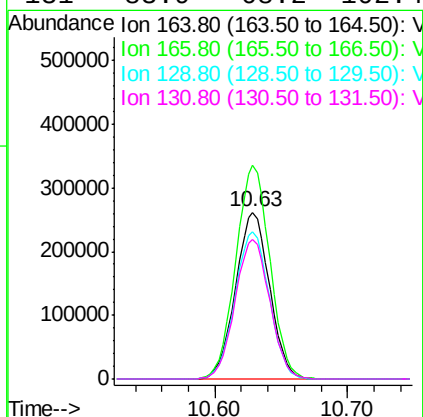
Manual Integrations
APPROVED

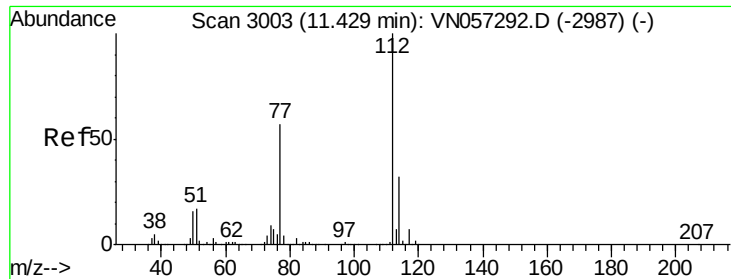
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#64
Tetrachloroethene
Concen: 47.437 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.5	155.3
129	88.1	71.2	106.8
131	83.9	68.2	102.4





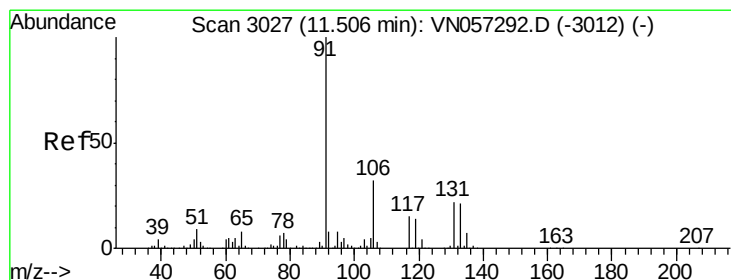
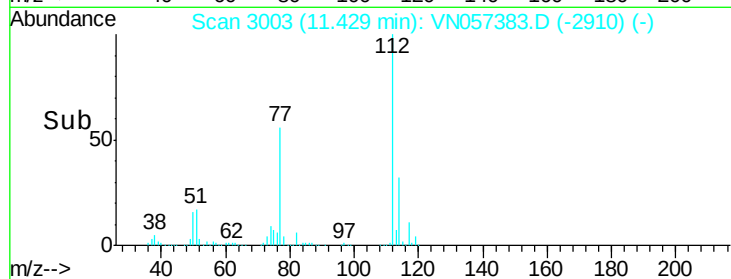
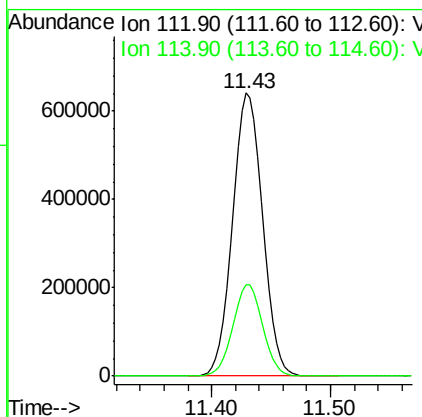
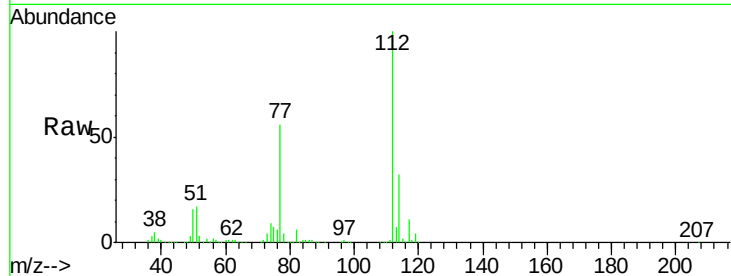
#65
Chlorobenzene
Concen: 48.555 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1121485
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

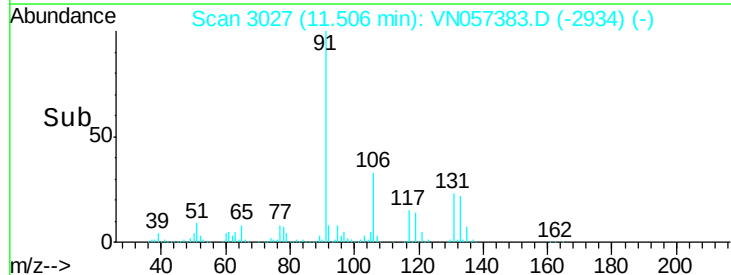
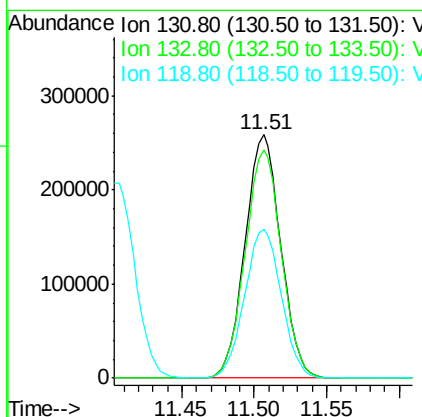
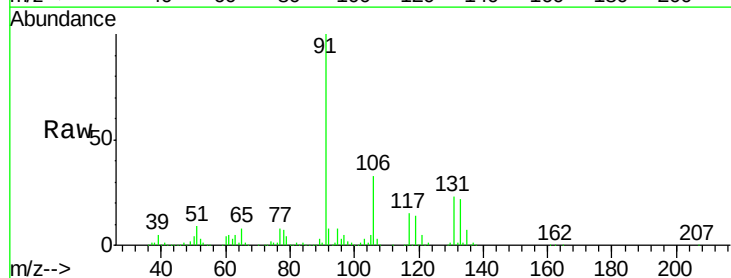
Manual Integrations
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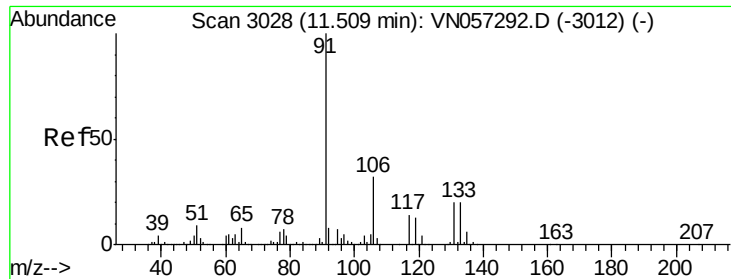
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.058 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion:131 Resp: 442789
Ion Ratio Lower Upper
131 100
133 95.2 47.6 142.8
119 63.1 32.0 96.2





#67

Ethyl Benzene

Concen: 47.893 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 1935298

Ion Ratio Lower Upper

91 100

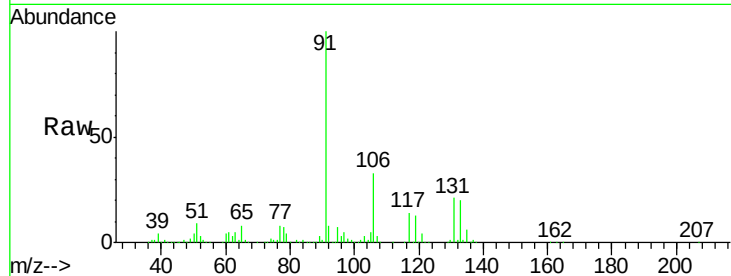
106 32.5 25.5 38.3

Manual Integrations

APPROVED

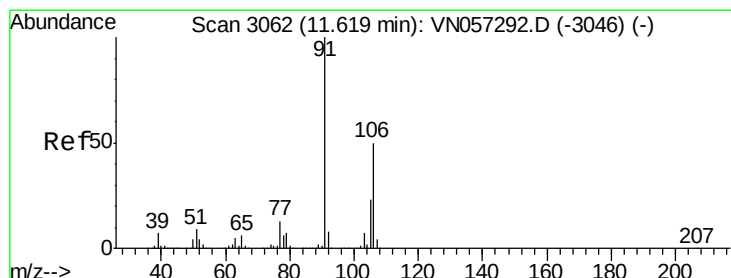
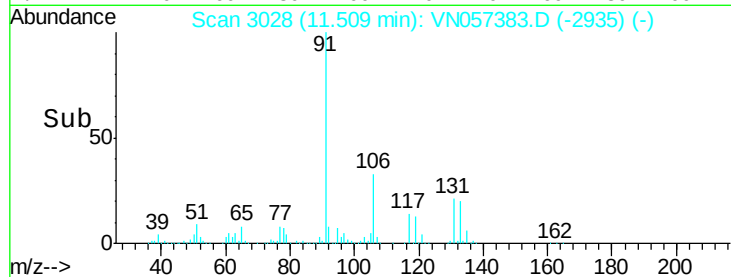
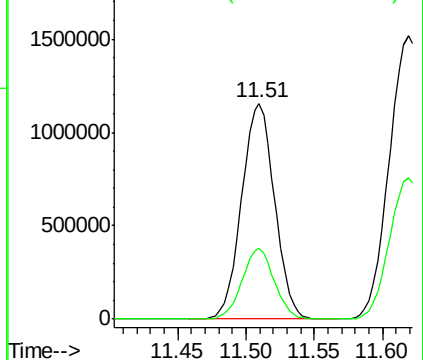
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 97.713 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057383.D

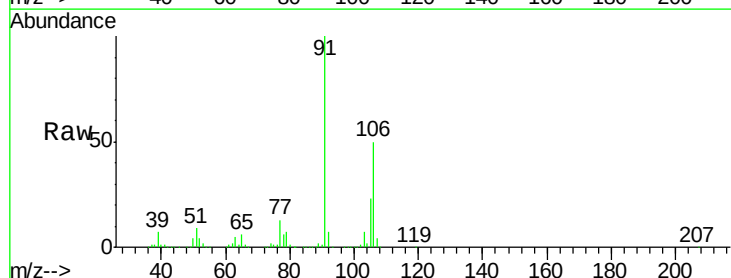
Acq: 17 Aug 2019 3:17

Tgt Ion: 106 Resp: 1454775

Ion Ratio Lower Upper

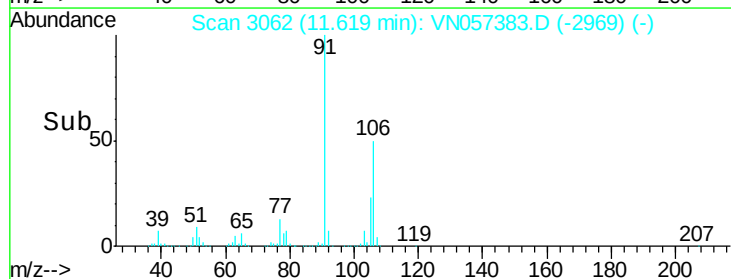
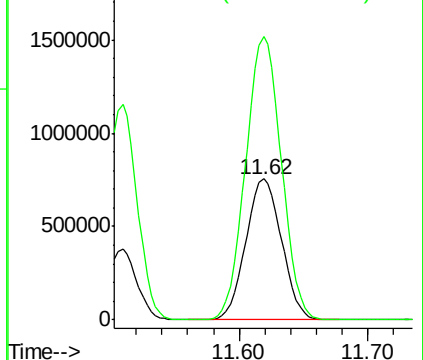
106 100

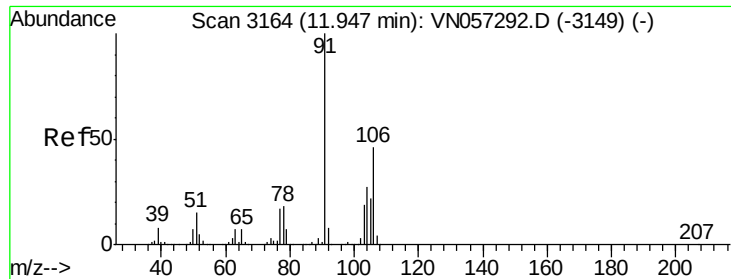
91 200.9 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





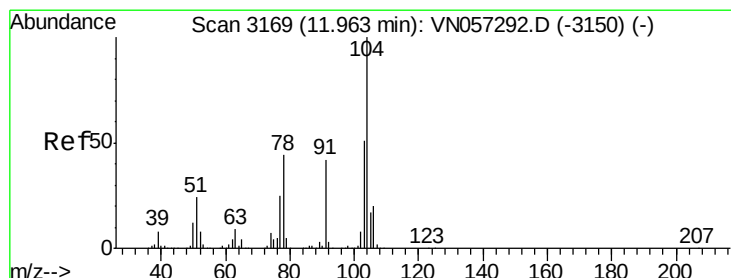
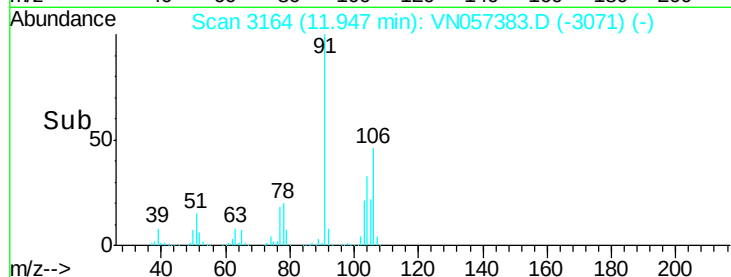
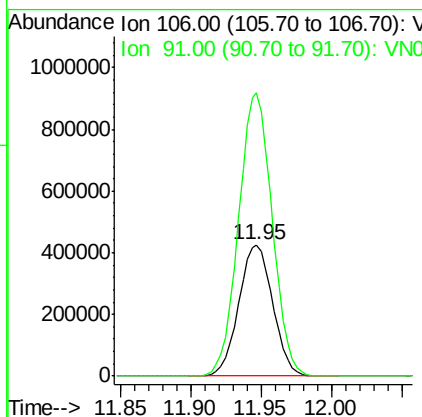
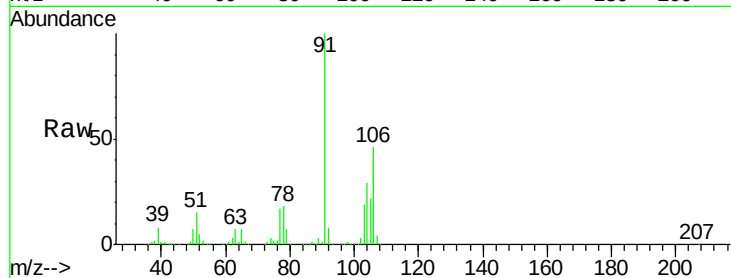
#69
o-Xylene
Concen: 49.078 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		717435		
91	213.5	106.3	319.0		

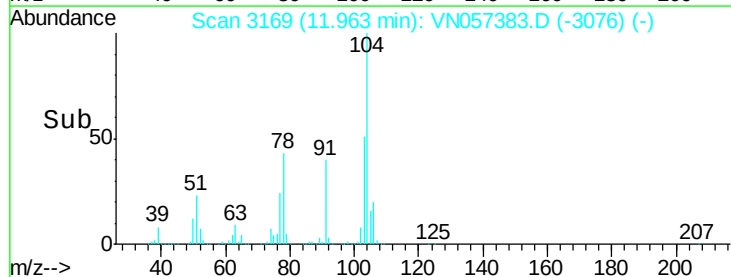
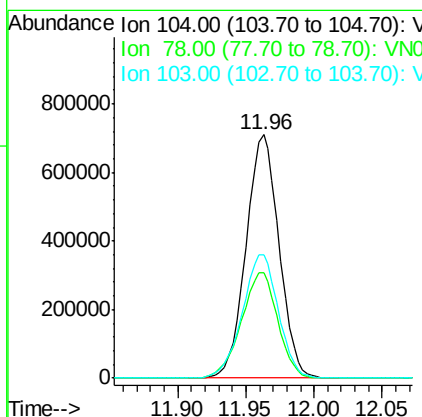
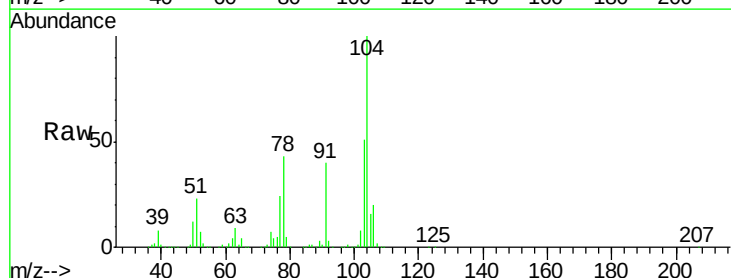
Manual Integrations
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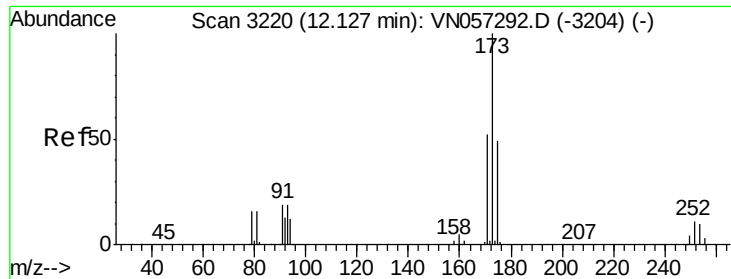
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#70
Styrene
Concen: 51.182 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		1192641		
78	47.8	39.2	58.8		
103	55.3	44.6	66.8		





#71

Bromoform

Concen: 52.420 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 365804

Ion Ratio Lower Upper

173 100

175 48.8 24.2 72.6

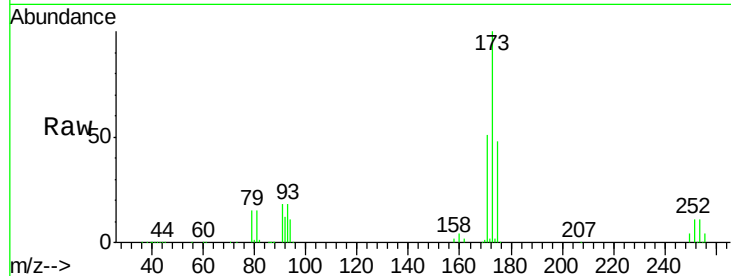
254 0.2 0.2 0.2

Manual Integrations

APPROVED

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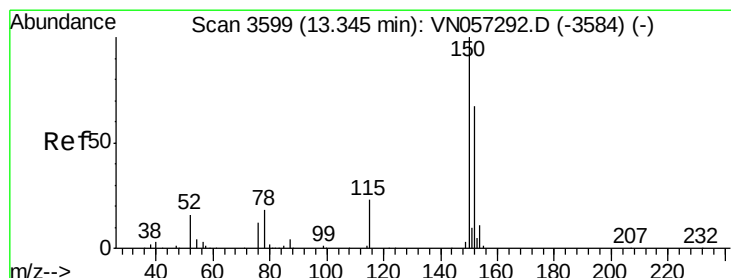
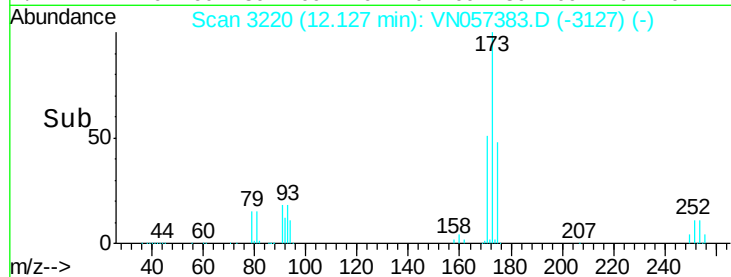
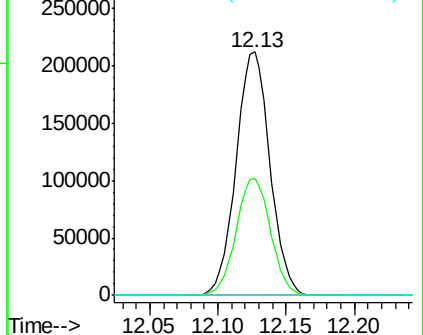
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

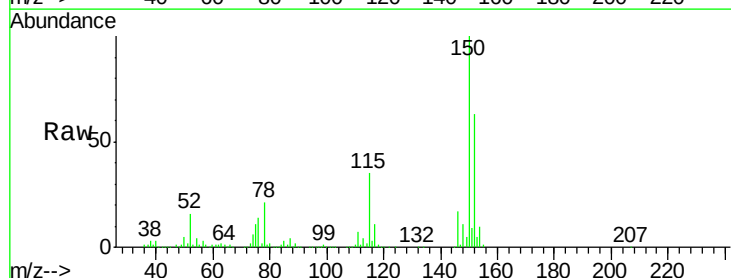
Tgt Ion:152 Resp: 460565

Ion Ratio Lower Upper

152 100

115 54.8 27.3 81.9

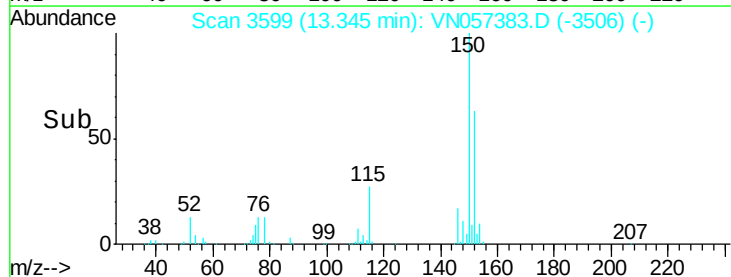
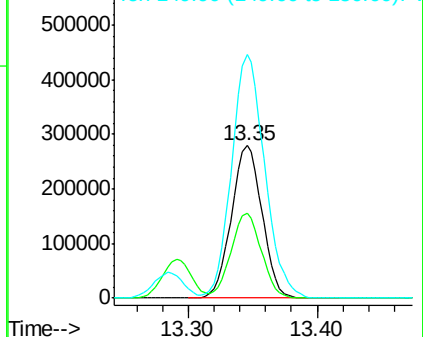
150 172.3 0.0 344.4

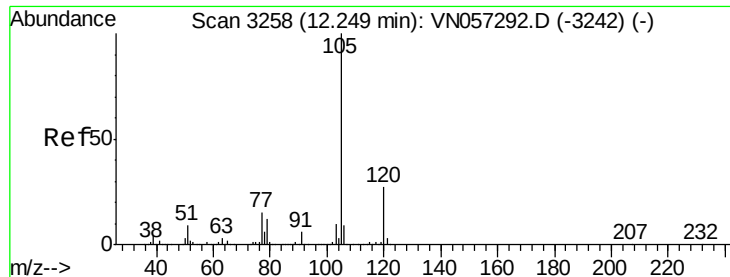


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.507 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1916847

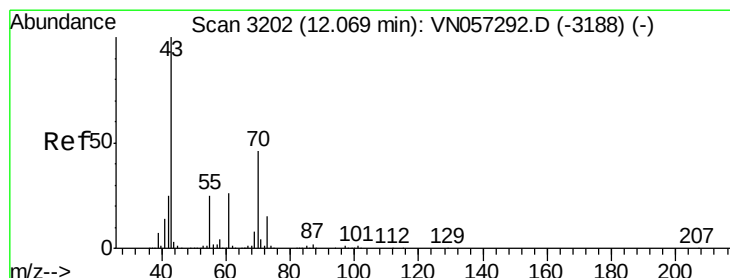
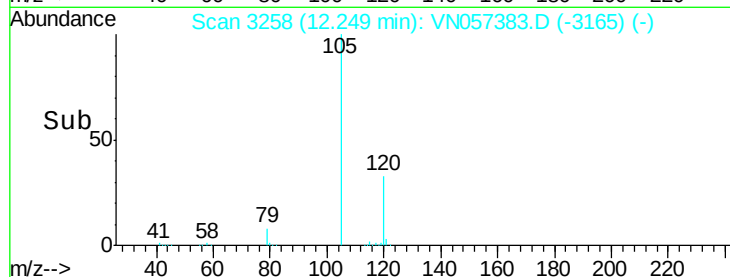
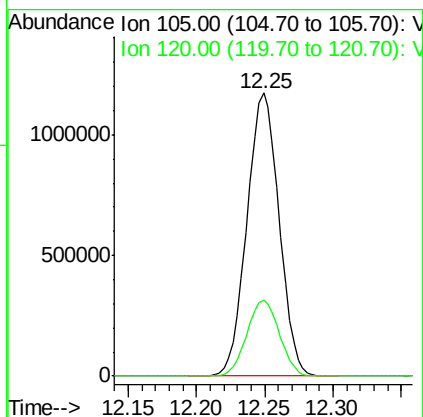
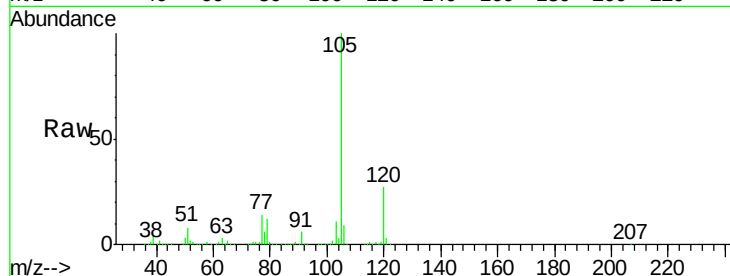
Ion Ratio Lower Upper

105 100

120 27.2 13.2 39.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 43.720 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Tgt Ion: 43 Resp: 584298

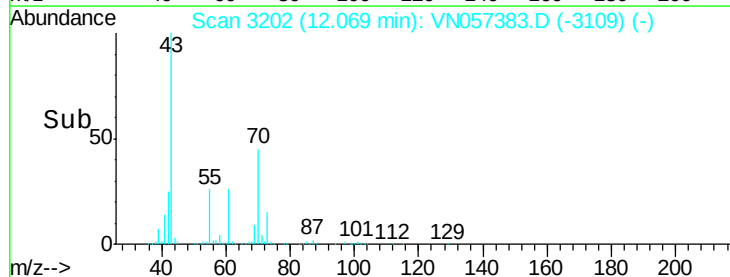
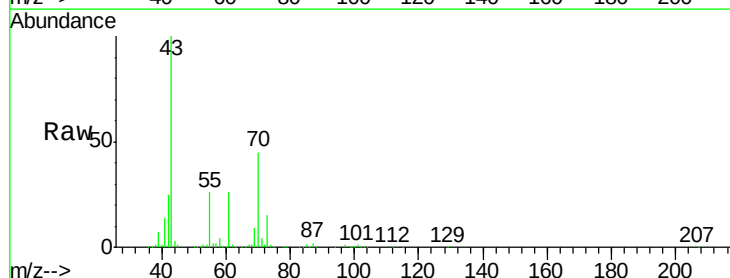
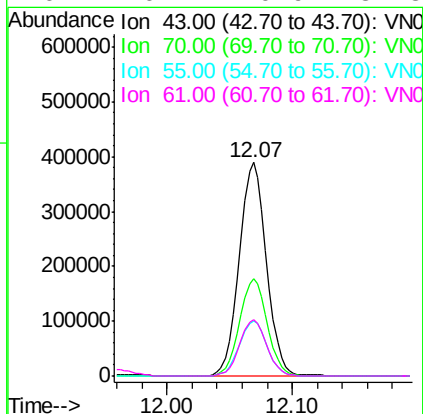
Ion Ratio Lower Upper

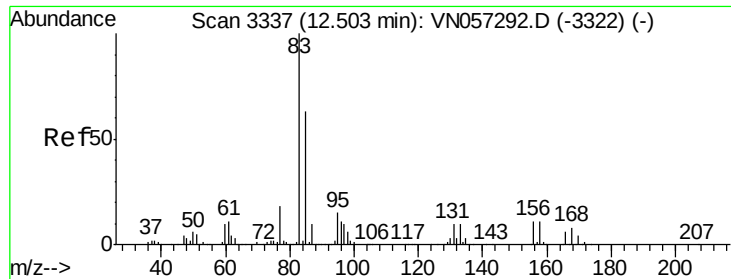
43 100

70 46.4 36.2 54.2

55 26.3 20.1 30.1

61 26.4 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 53.241 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

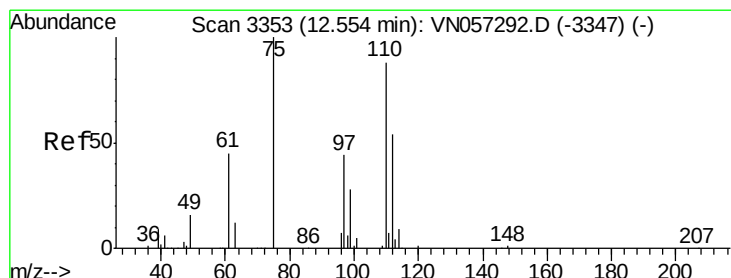
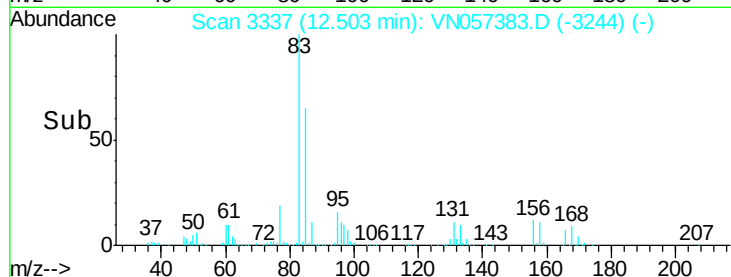
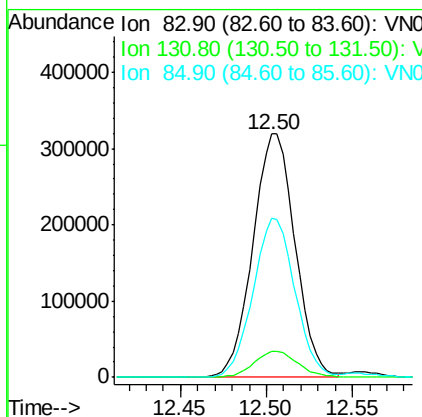
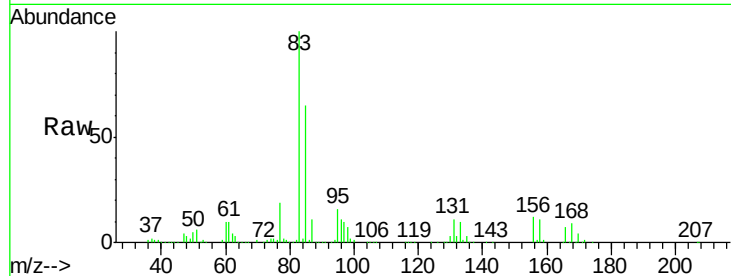
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	542085
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.4	16.2
85	64.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.950 ug/l m

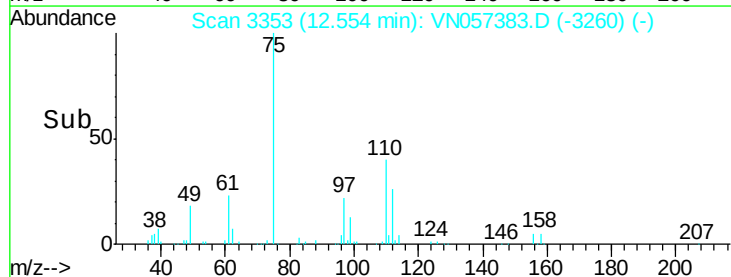
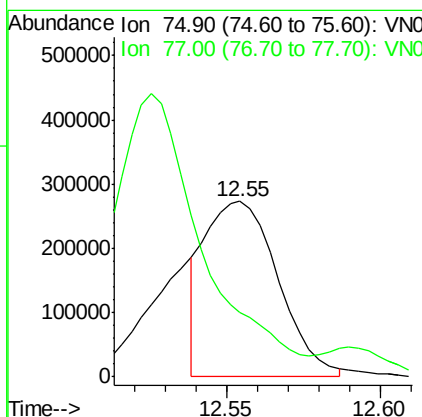
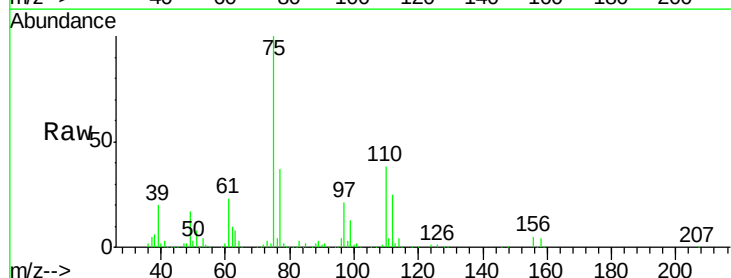
RT: 12.55 min Scan# 3353

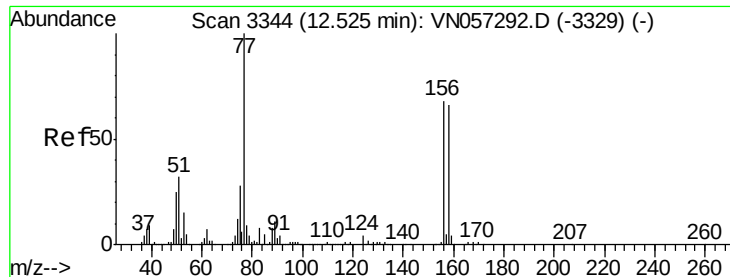
Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Tgt Ion:	75	Resp:	453031
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





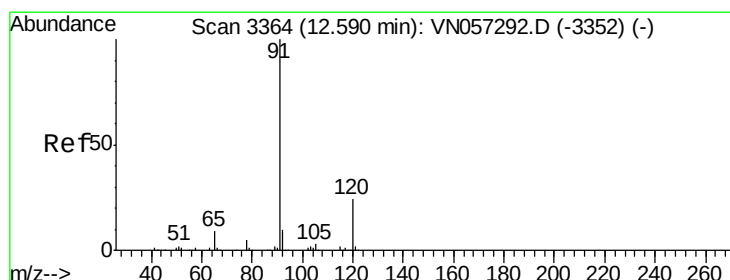
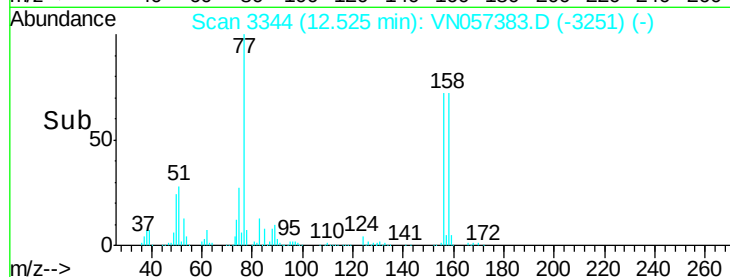
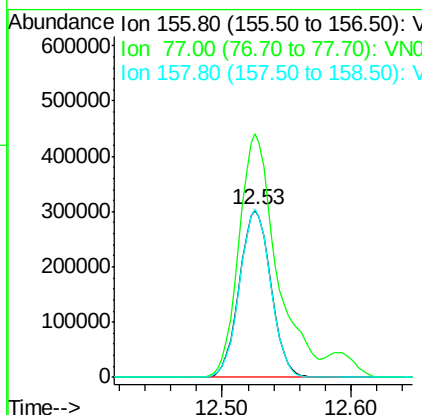
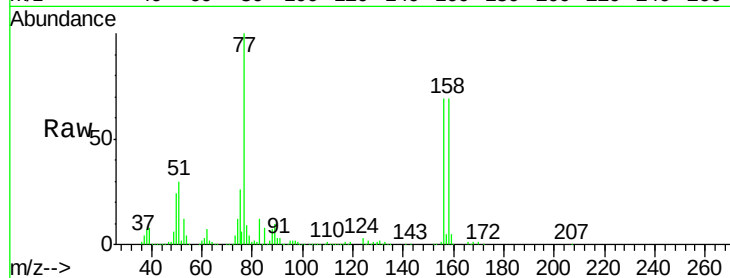
#77
Bromobenzene
Concen: 52.127 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	175.3	89.8	269.6
158	98.9	49.3	147.8

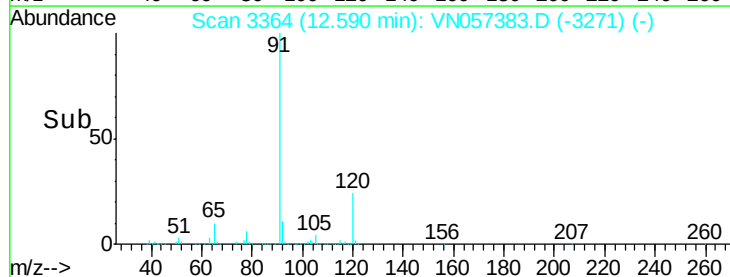
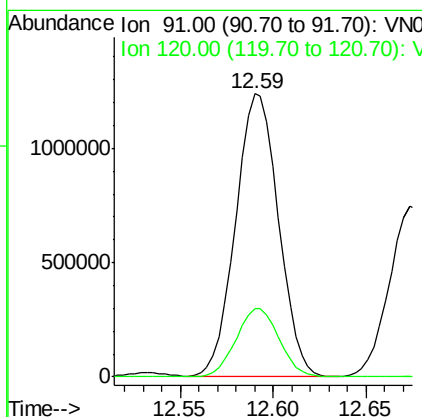
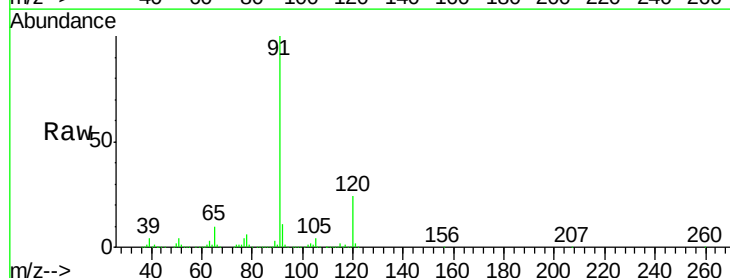
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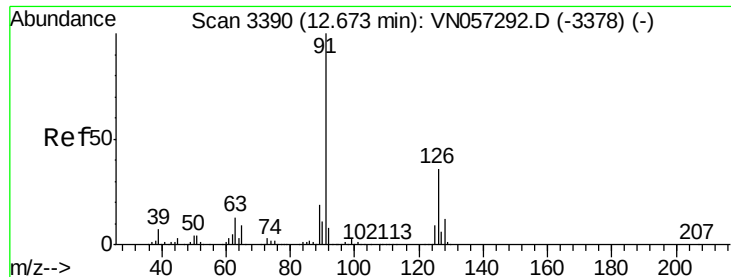
MMDadoda
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#78
n-propylbenzene
Concen: 44.709 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.9	35.7





#79

2-Chlorotoluene

Concen: 51.555 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1248295

Ion Ratio Lower Upper

91 100

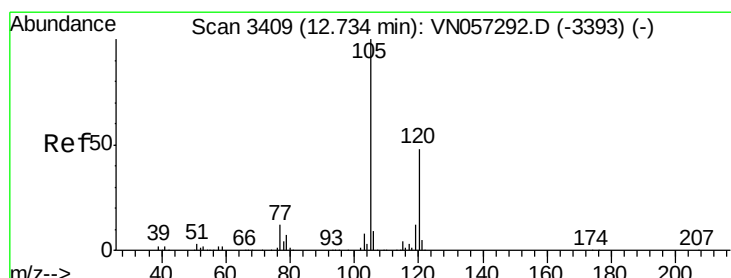
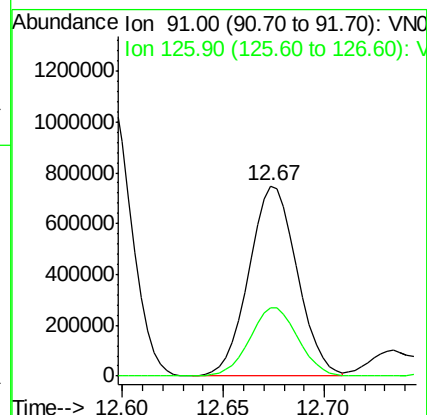
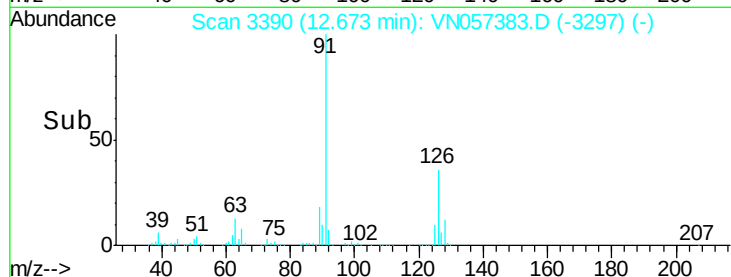
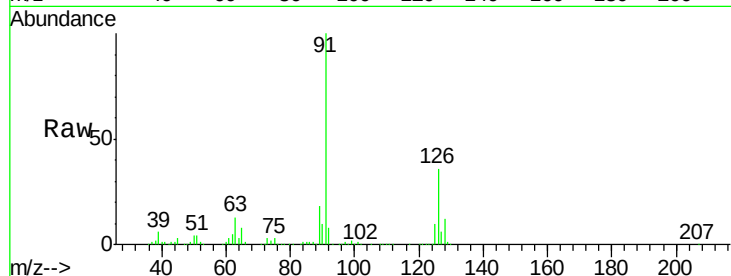
126 36.2 18.1 54.1

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#80

1,3,5-Trimethylbenzene

Concen: 51.655 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057383.D

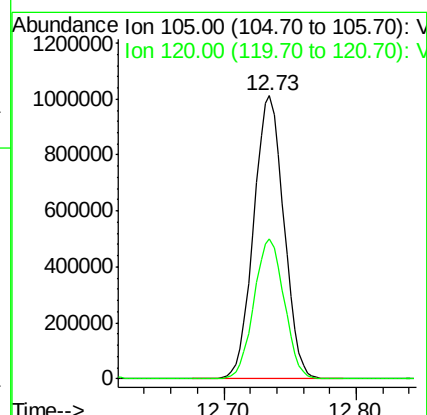
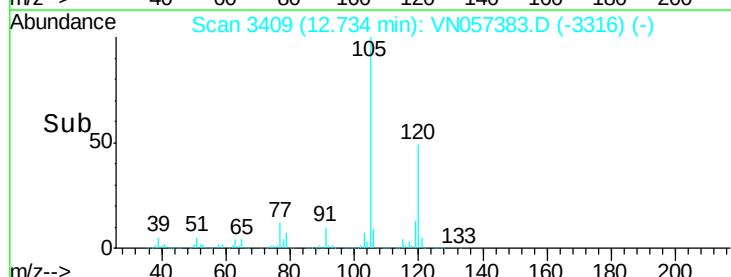
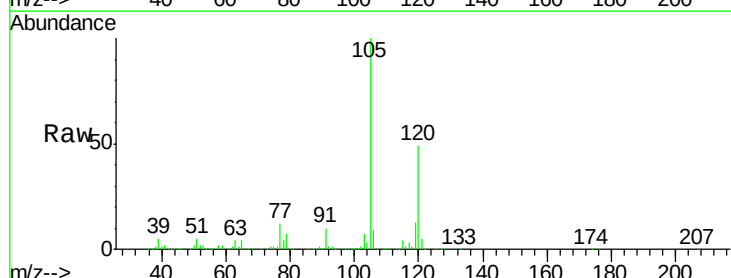
Acq: 17 Aug 2019 3:17

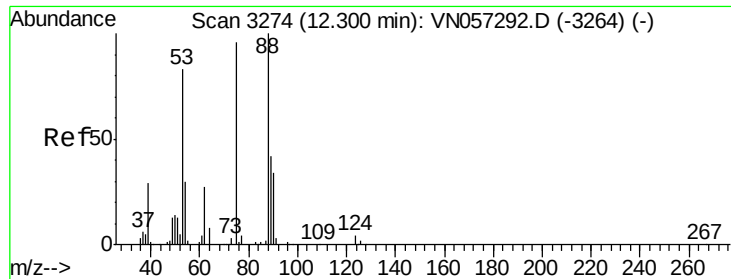
Tgt Ion: 105 Resp: 1600625

Ion Ratio Lower Upper

105 100

120 49.7 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 42.559 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

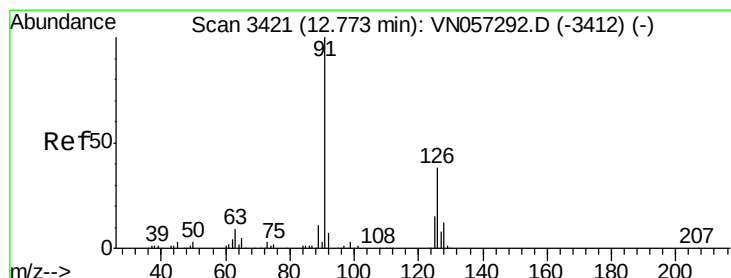
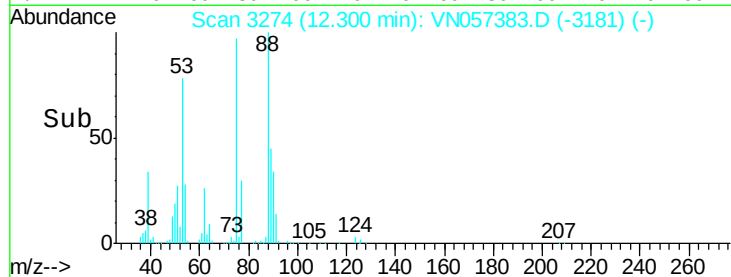
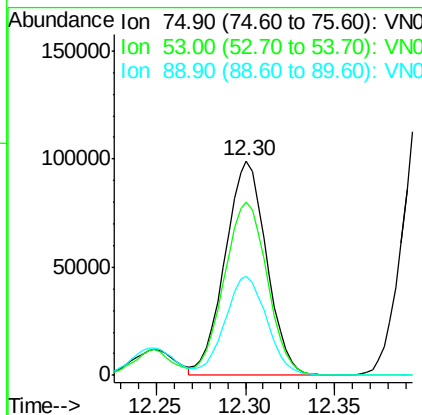
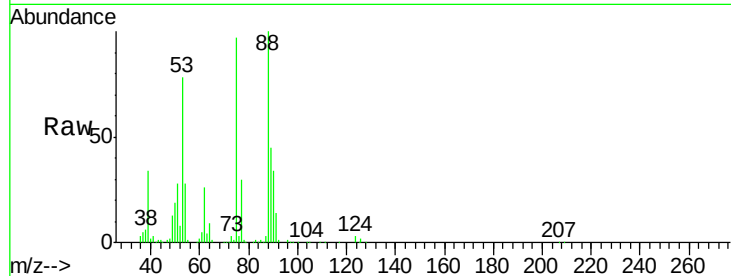
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	160747
Ion Ratio	Lower	Upper	
75	100		
53	83.2	67.9	101.9
89	46.6	36.2	54.4

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#82

4-Chlorotoluene

Concen: 45.134 ug/l

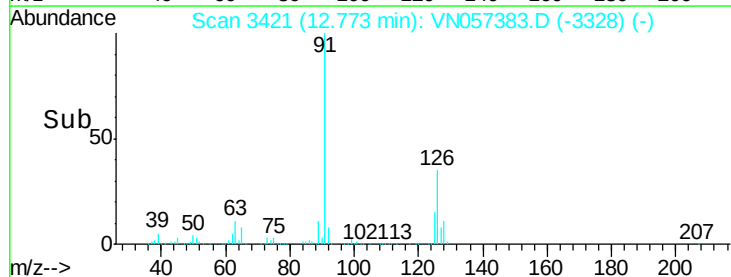
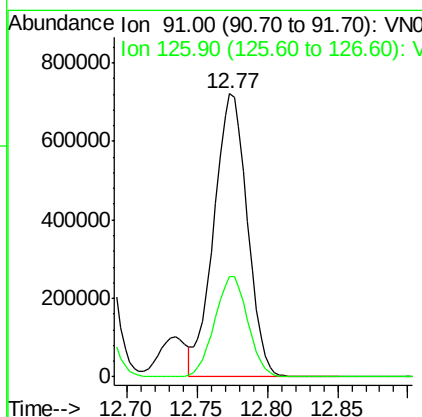
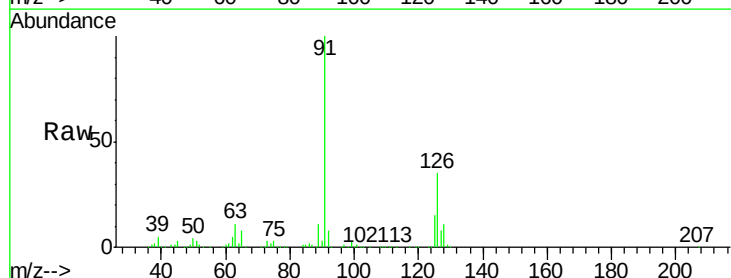
RT: 12.77 min Scan# 3421

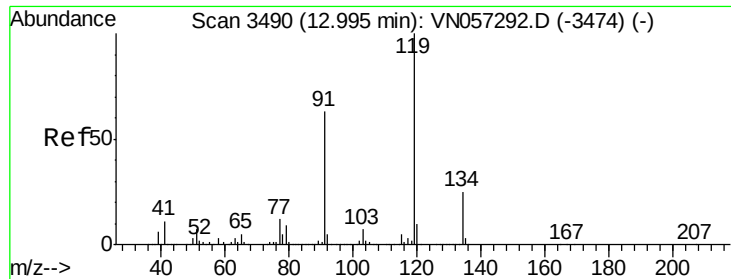
Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Tgt Ion:	91	Resp:	1186191
Ion Ratio	Lower	Upper	
91	100		
126	35.1	17.3	51.7





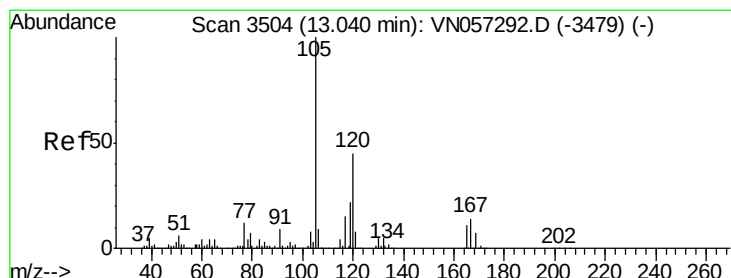
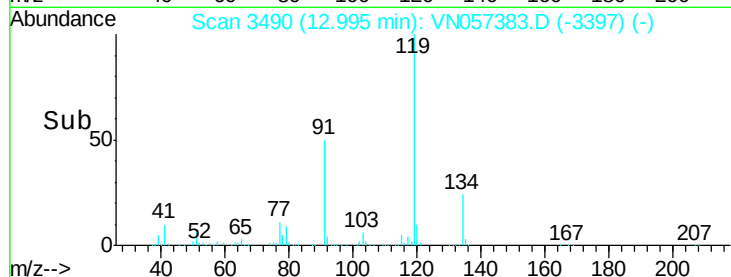
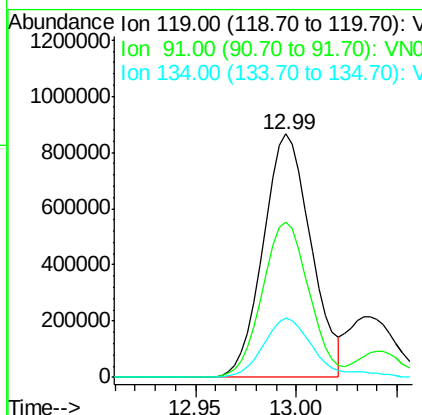
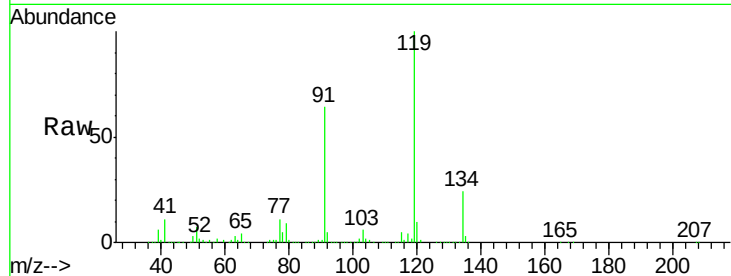
#83
 tert-Butylbenzene
 Concen: 52.499 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.3	93.8
134	25.8	13.1	39.1

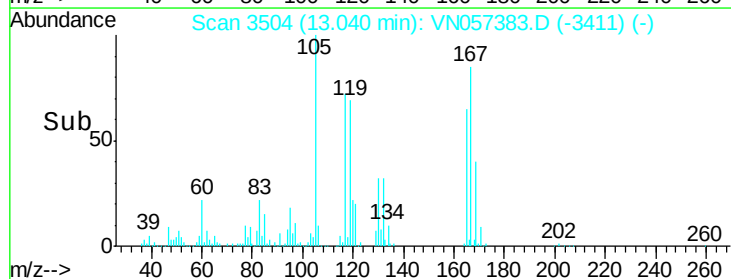
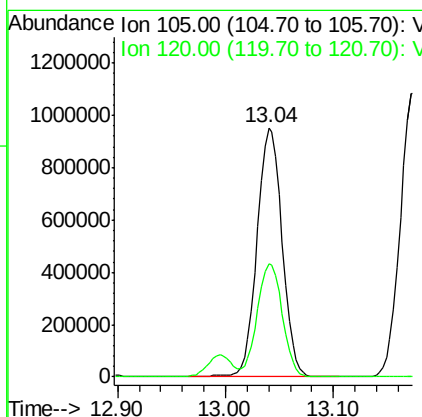
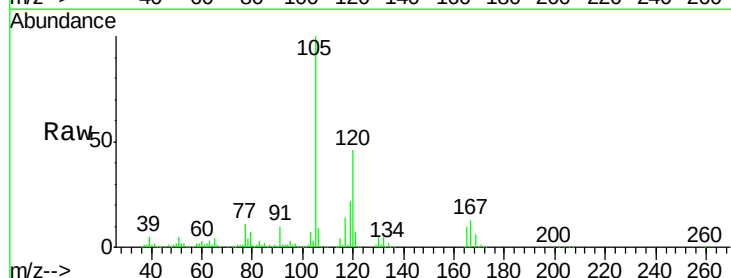
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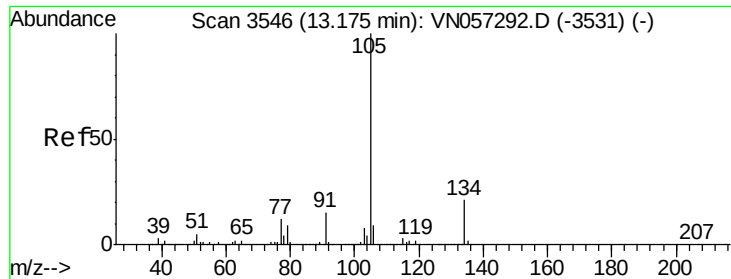
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.161 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.6	67.7





#85

sec-Butylbenzene

Concen: 49.877 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1737977

Ion Ratio Lower Upper

105 100

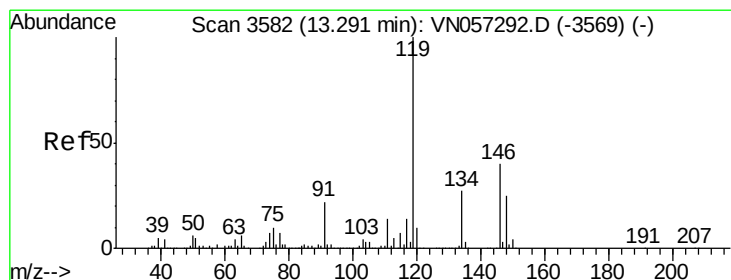
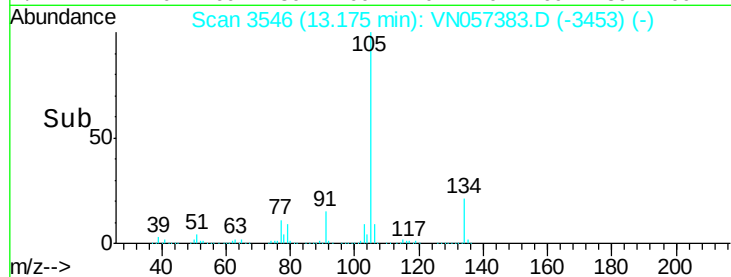
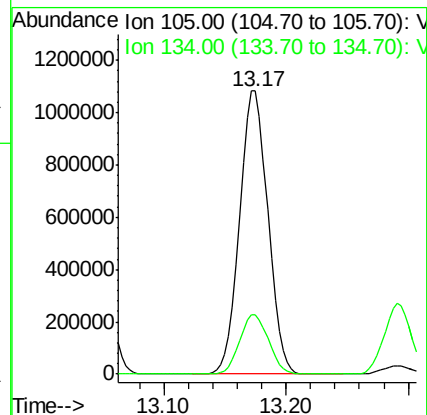
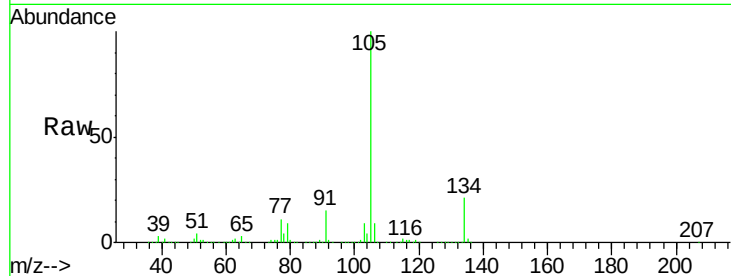
134 21.2 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 45.072 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

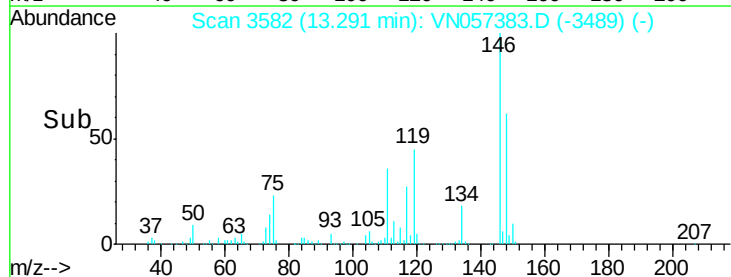
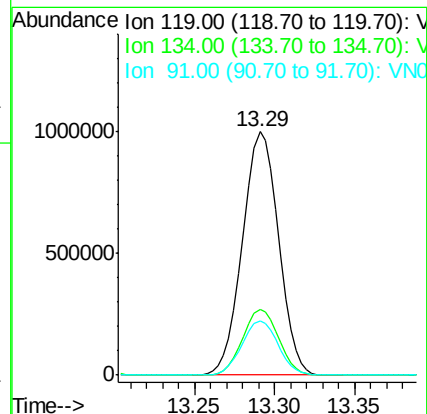
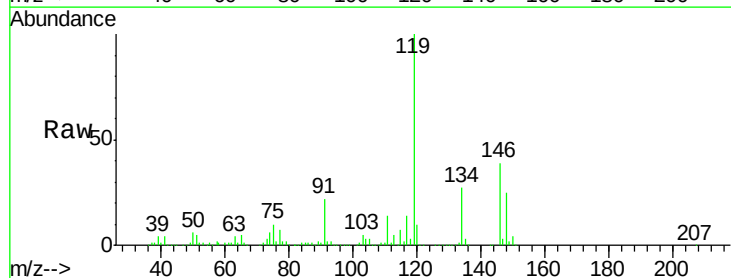
Tgt Ion:119 Resp: 1530784

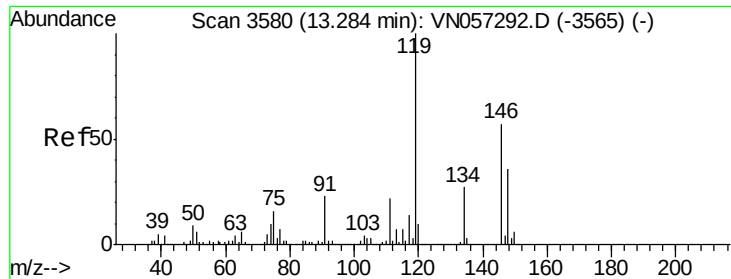
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 22.4 11.2 33.5





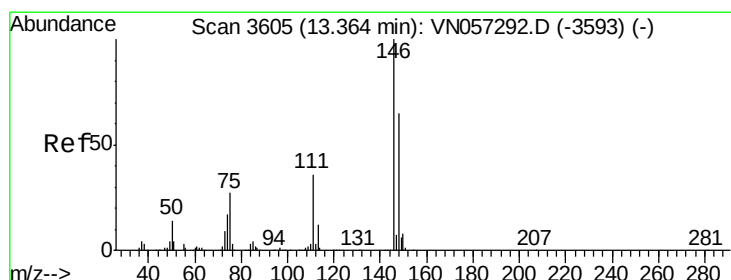
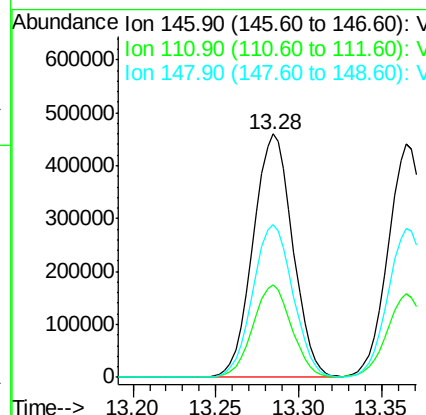
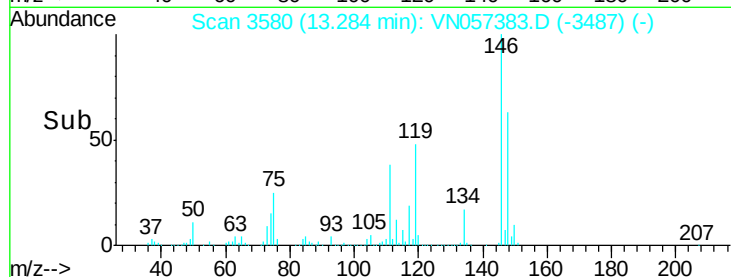
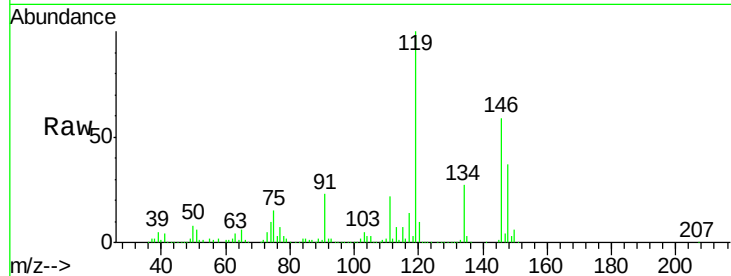
#87
 1,3-Dichlorobenzene
 Concen: 47.396 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	63.6	31.7	95.1

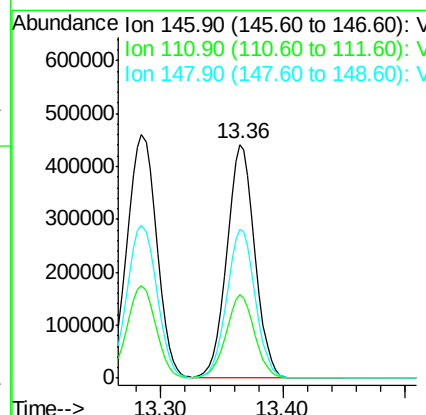
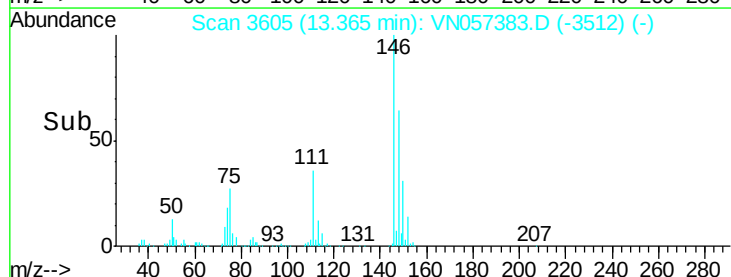
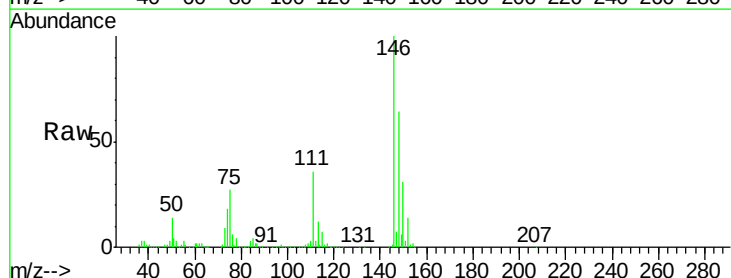
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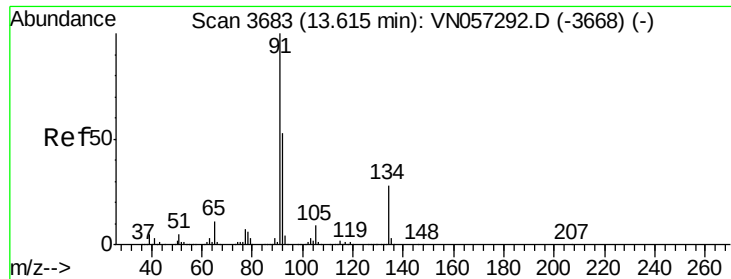
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#88
 1,4-Dichlorobenzene
 Concen: 46.352 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.4
148	64.7	32.5	97.4





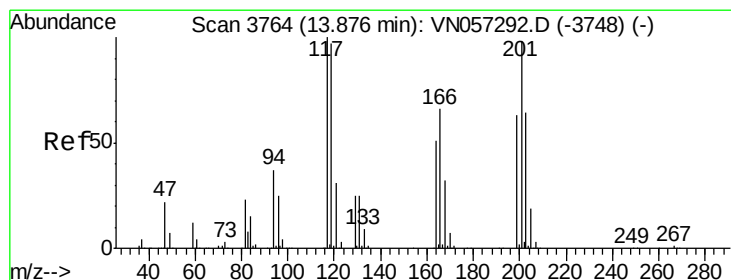
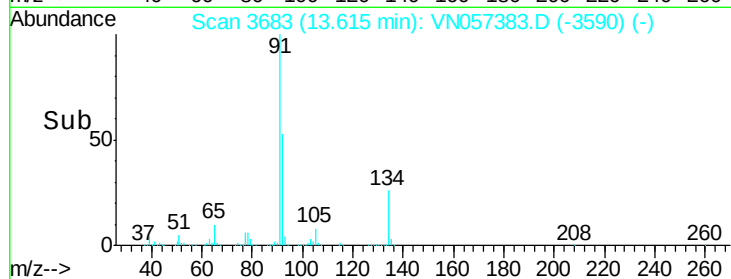
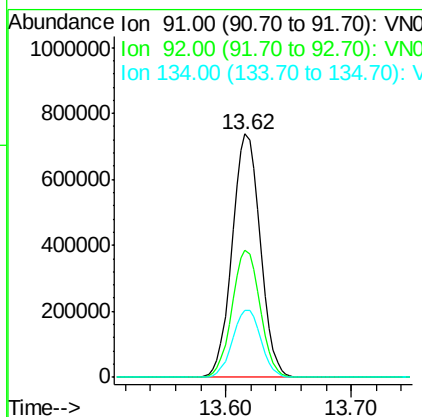
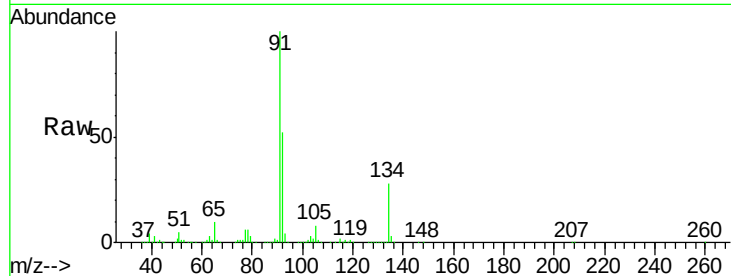
#89
n-Butylbenzene
Concen: 47.339 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	52.1	26.2	78.6	
134	27.9	13.9	41.7	

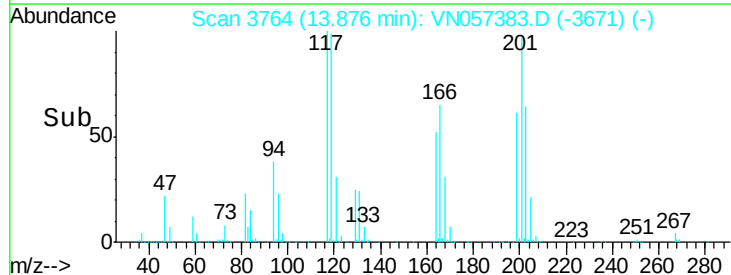
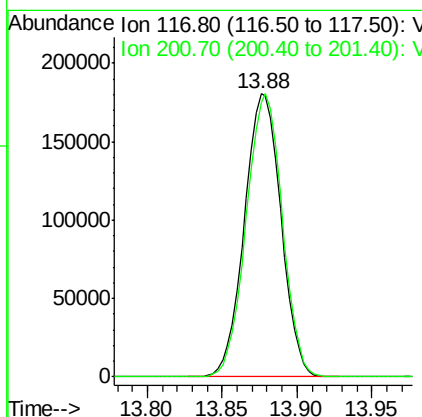
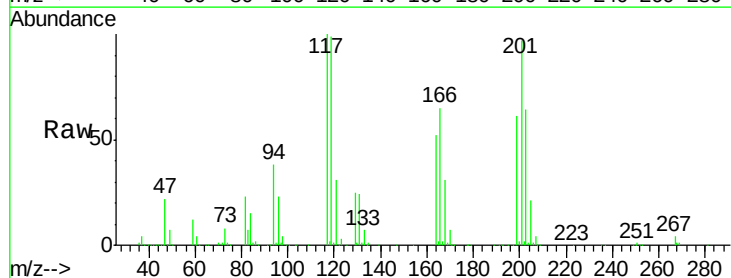
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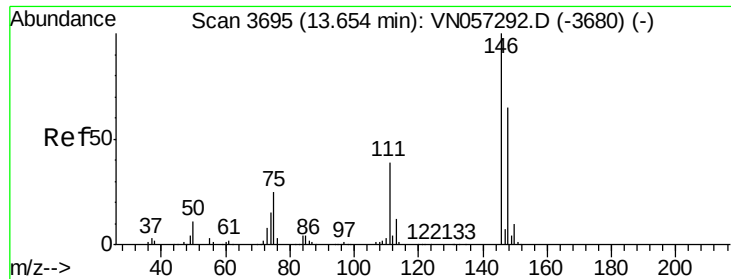
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#90
Hexachloroethane
Concen: 53.438 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN057383.D
Acq: 17 Aug 2019 3:17

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	98.3	48.4	145.0	





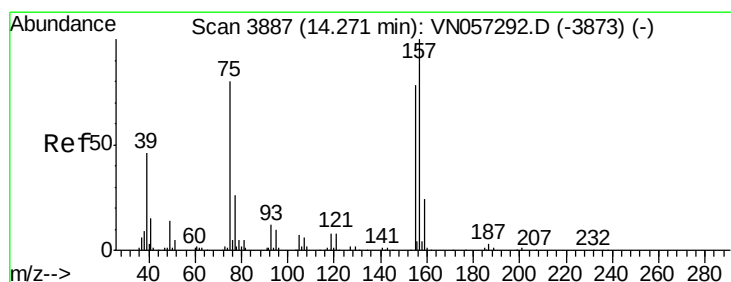
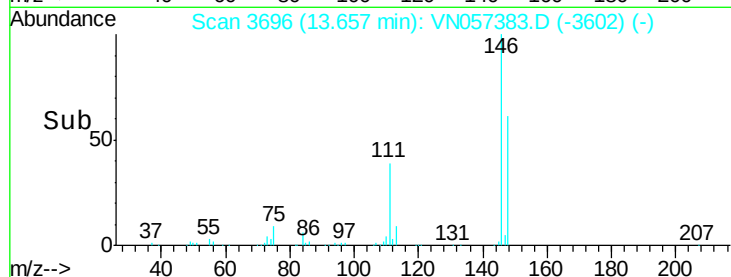
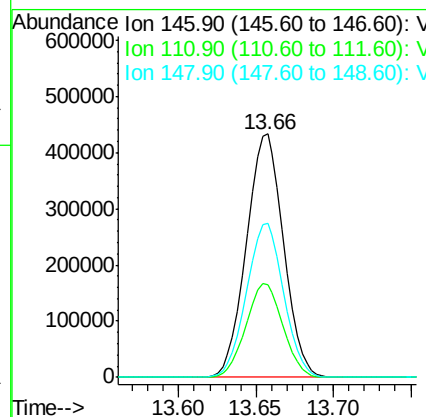
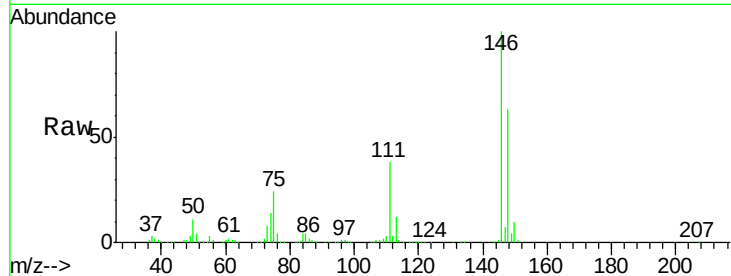
#91
 1,2-Dichlorobenzene
 Concen: 48.099 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.7	59.1
148	63.2	32.0	96.0

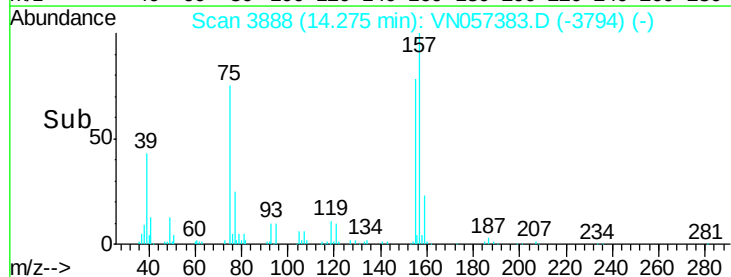
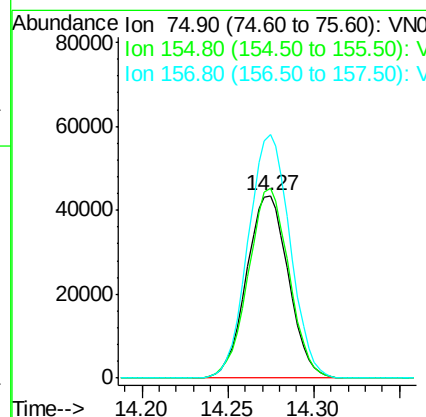
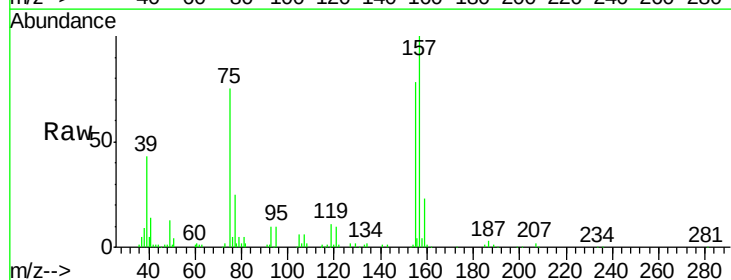
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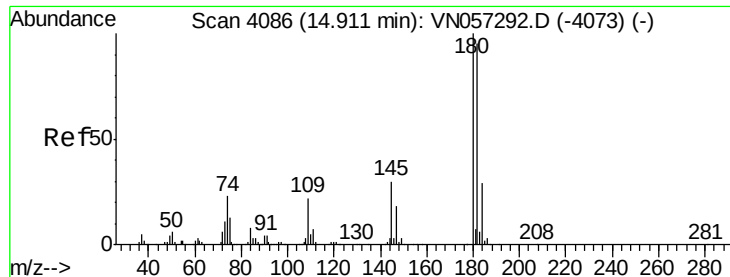
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 8/19/2019 12:20:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.882 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.0	49.6	148.8
157	133.3	63.7	191.1





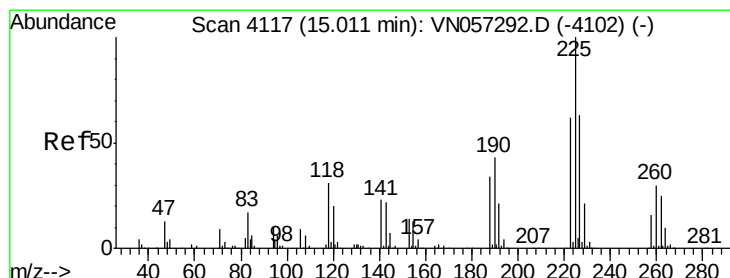
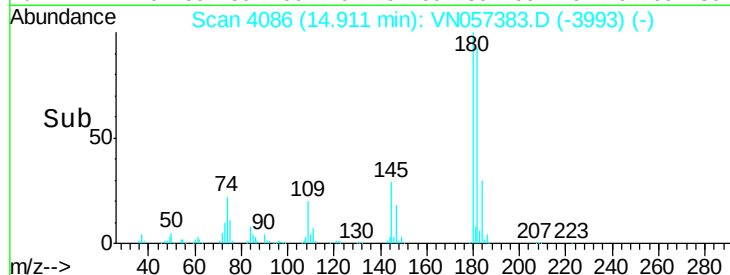
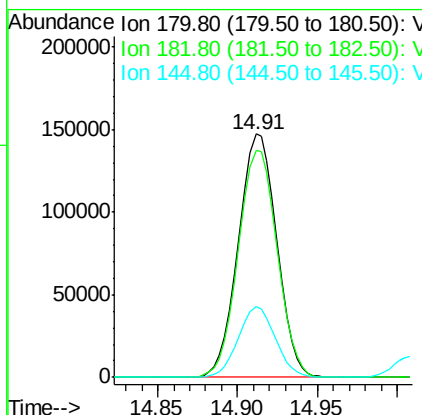
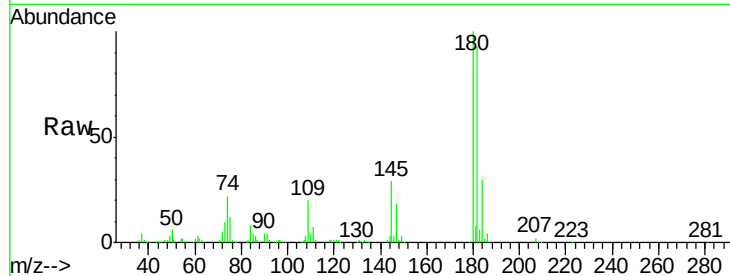
#93
 1,2,4-Trichlorobenzene
 Concen: 41.124 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	240980		
182	94.5	48.0	144.2	
145	28.1	14.5	43.6	

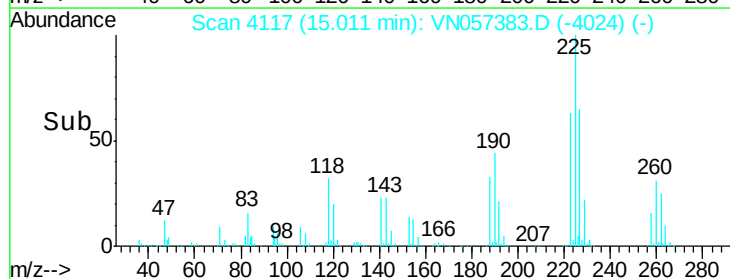
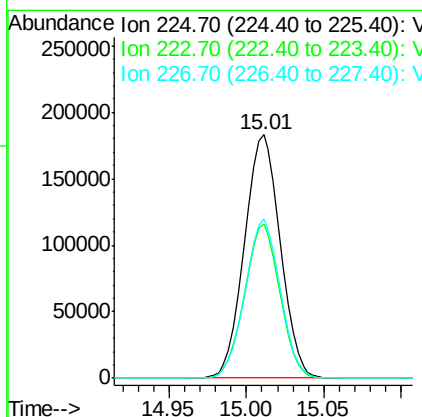
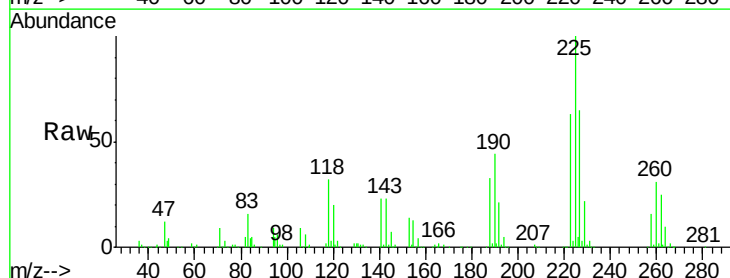
Manual Integrations
 APPROVED

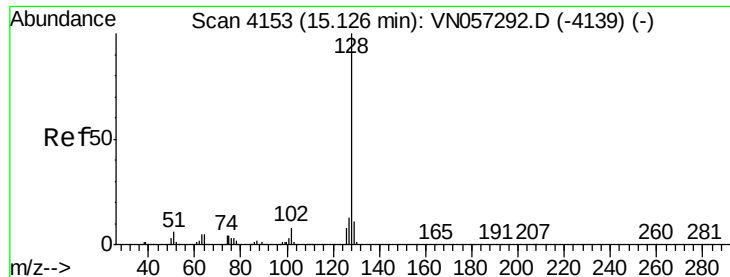
MMDadoda
 8/19/2019 12:20:03 PM



#94
 Hexachlorobutadiene
 Concen: 51.409 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057383.D
 Acq: 17 Aug 2019 3:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	295760		
223	62.1	30.7	92.1	
227	64.1	30.9	92.7	





#95

Naphthalene

Concen: 53.675 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Instrument :

MSVOA_N

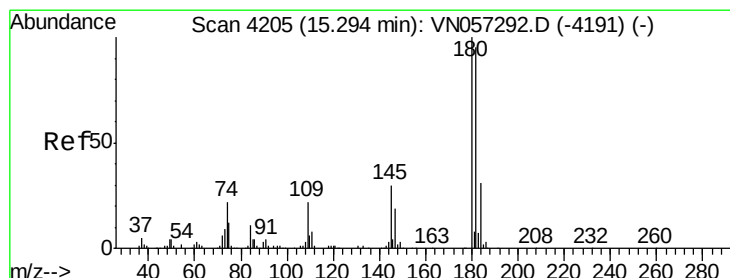
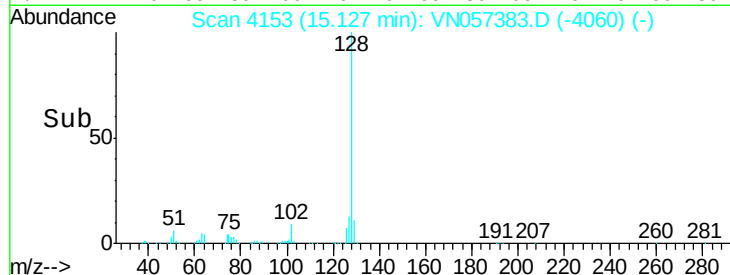
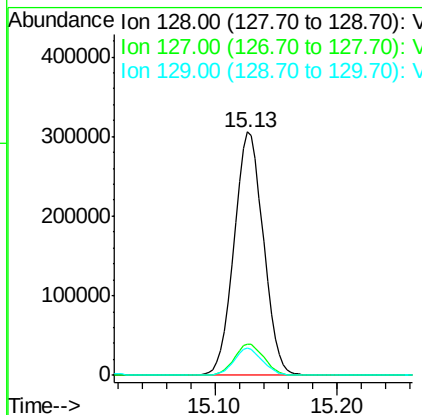
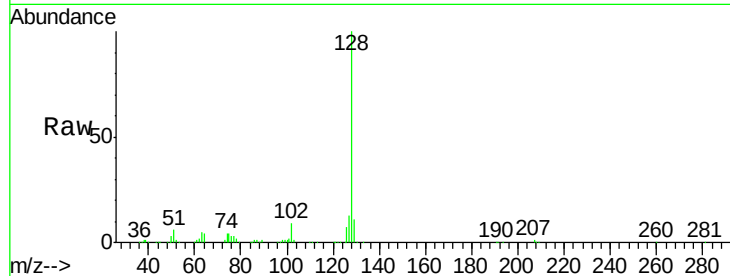
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	507588
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/19/2019 12:20:03 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.377 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057383.D

Acq: 17 Aug 2019 3:17

Tgt Ion:	180	Resp:	226526
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.9	143.6
145	29.2	15.1	45.3

