

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062218\
 Data File : VN049486.D
 Acq On : 22 Jun 2018 12:25
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/25/2018 4:23:20 PM

Quant Time: Jun 22 22:23:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1451724	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2024558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1880572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	973418	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	861317	44.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.46%	
35) Dibromofluoromethane	7.59	113	782405	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	10.09	98	2891602	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
62) 4-Bromofluorobenzene	12.40	95	1018120	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	739092	44.23	ug/l	100
3) Chloromethane	2.06	50	930227	43.11	ug/l	98
4) Vinyl Chloride	2.19	62	1030545	44.94	ug/l	99
5) Bromomethane	2.56	94	566370	46.98	ug/l	96
6) Chloroethane	2.70	64	648259	47.41	ug/l	99
7) Trichlorofluoromethane	3.02	101	1437005	50.23	ug/l	100
8) Diethyl Ether	3.41	74	478955	47.95	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	891950	49.16	ug/l	93
10) Methyl Iodide	3.95	142	1085209	57.45	ug/l	93
11) Tert butyl alcohol	4.79	59	252275	223.23	ug/l #	86
12) 1,1-Dichloroethene	3.73	96	793837	47.69	ug/l	91
13) Acrolein	3.61	56	279068	235.48	ug/l	97
14) Allyl chloride	4.32	41	1295219	49.28	ug/l	89
15) Acrylonitrile	4.99	53	1382208	244.60	ug/l	99
16) Acetone	3.82	43	1238028	264.81	ug/l	91
17) Carbon Disulfide	4.05	76	2368883	45.40	ug/l	99
18) Methyl Acetate	4.33	43	700127	49.11	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	2148554	50.63	ug/l	98
20) Methylene Chloride	4.55	84	940235	48.15	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	873157	49.55	ug/l	92
22) Diisopropyl ether	5.95	45	2732434	52.06	ug/l	96
23) Vinyl Acetate	5.90	43	8662288	253.17	ug/l	96
24) 1,1-Dichloroethane	5.85	63	1639506	48.81	ug/l	99
25) 2-Butanone	6.84	43	1609215	256.34	ug/l	97
26) 2,2-Dichloropropane	6.82	77	1407919	51.90	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	988751	50.47	ug/l	92
28) Bromochloromethane	7.19	49	657018	44.12	ug/l	84
29) Tetrahydrofuran	7.21	42	999409	247.32	ug/l	94
30) Chloroform	7.37	83	1678095	50.20	ug/l	99
31) Cyclohexane	7.65	56	1454073	51.06	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	1436903	50.37	ug/l	97
36) 1,1-Dichloropropene	7.79	75	1293279	55.74	ug/l	98
37) Ethyl Acetate	6.93	43	700161	55.51	ug/l	98
38) Carbon Tetrachloride	7.77	117	1299690	54.10	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1392610	55.91	ug/l	96
40) Benzene	8.04	78	3806033	53.50	ug/l	99
41) Methacrylonitrile	7.17	41	336298	49.31	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	1177818	53.59	ug/l	96
43) Isopropyl Acetate	8.17	43	1253416	52.01	ug/l	96
44) Trichloroethene	8.84	130	1049915	55.89	ug/l	92
45) 1,2-Dichloropropane	9.12	63	1006747	54.05	ug/l	100
46) Dibromomethane	9.21	93	582599	53.94	ug/l	92
47) Bromodichloromethane	9.40	83	1281719	54.00	ug/l	97
48) Methyl methacrylate	9.20	41	647451	57.05	ug/l	88
49) 1,4-Dioxane	9.20	88	159905	1020.81	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	3422811	270.97	ug/l	94
52) Toluene	10.16	92	2365096	56.65	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	1253316	55.20	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1475839	55.05	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	830396	53.35	ug/l	96
56) Ethyl methacrylate	10.43	69	984742	54.84	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	1396165	54.15	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	1052598	168.90	ug/l	95
59) 2-Hexanone	10.75	43	2288451	281.01	ug/l	93
60) Dibromochloromethane	10.90	129	943510	54.31	ug/l	100
61) 1,2-Dibromoethane	11.01	107	796239	55.04	ug/l	100
64) Tetrachloroethene	10.63	164	1177229	61.09	ug/l	99
65) Chlorobenzene	11.44	112	2561349	52.87	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	958828	52.59	ug/l	99
67) Ethyl Benzene	11.51	91	4520423	56.26	ug/l	98
68) m/p-Xylenes	11.62	106	3495864	115.92	ug/l	97
69) o-Xylene	11.95	106	1654936	56.98	ug/l	95
70) Styrene	11.97	104	2670956	58.29	ug/l	97
71) Bromoform	12.13	173	638705	54.12	ug/l #	99
73) Isopropylbenzene	12.25	105	4461819	52.20	ug/l	98
74) N-amyl acetate	12.07	43	1044676	49.90	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	881221	50.12	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	773834m	46.59	ug/l	
77) Bromobenzene	12.53	156	1108452	49.10	ug/l	89
78) n-propylbenzene	12.59	91	5115854	54.51	ug/l	99
79) 2-Chlorotoluene	12.68	91	3031417	50.98	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	3663980	54.54	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	260149	49.50	ug/l	91
82) 4-Chlorotoluene	12.78	91	3053715	53.23	ug/l	97
83) tert-Butylbenzene	12.99	119	3118650	52.40	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	3707962	55.56	ug/l	98
85) sec-Butylbenzene	13.17	105	4175510	52.71	ug/l	98
86) p-Isopropyltoluene	13.29	119	3626382	54.79	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	1948859	52.47	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	1882038	51.13	ug/l	99
89) n-Butylbenzene	13.62	91	2882608	55.76	ug/l	98
90) Hexachloroethane	13.88	117	684633	54.83	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	1883165	51.70	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	139816	46.99	ug/l	87

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	757015	45.79	ug/l	98
94) Hexachlorobutadiene	15.01	225	612099	57.88	ug/l	98
95) Naphthalene	15.14	128	1370169	46.81	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	754242	46.48	ug/l	97

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

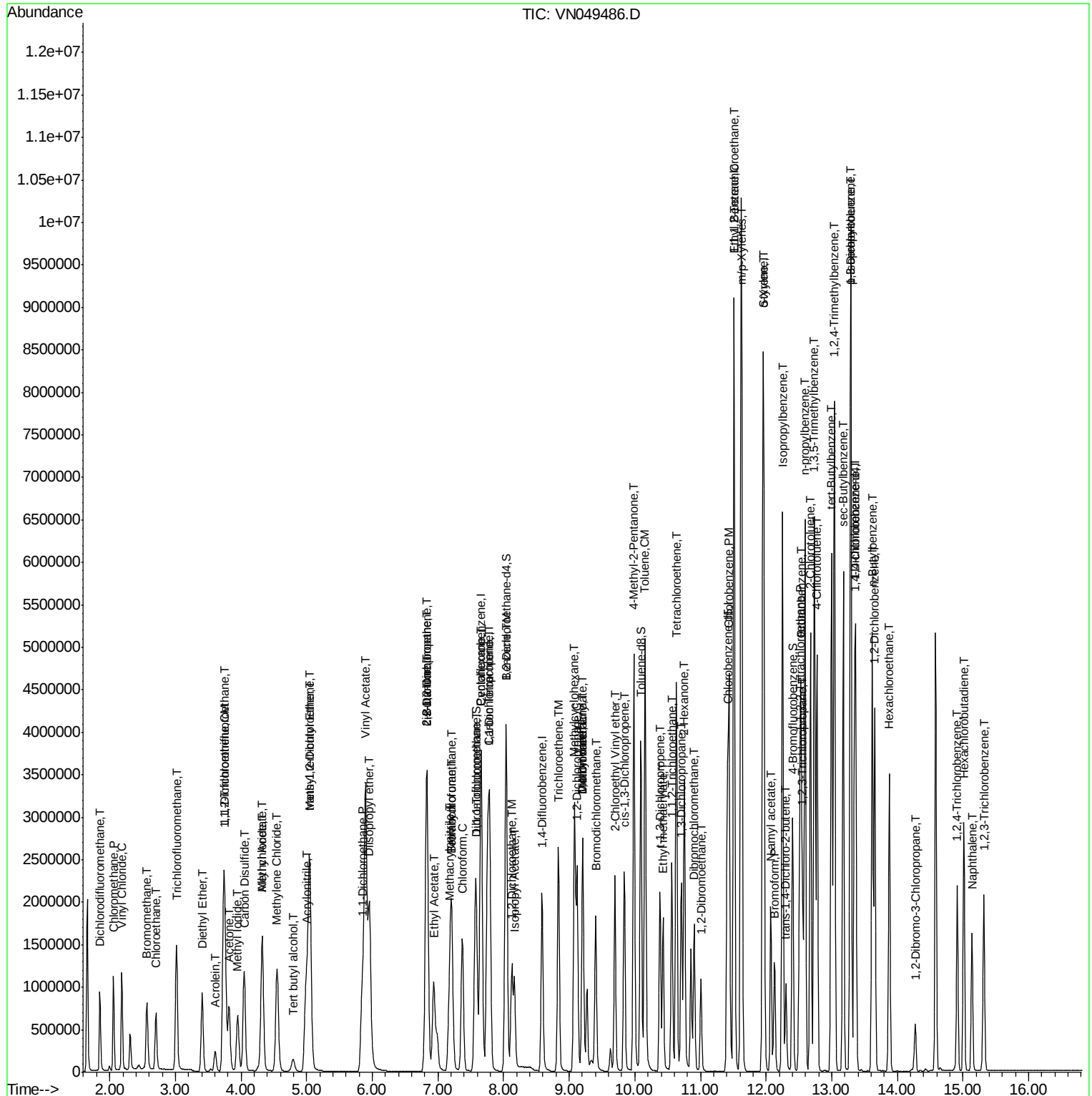
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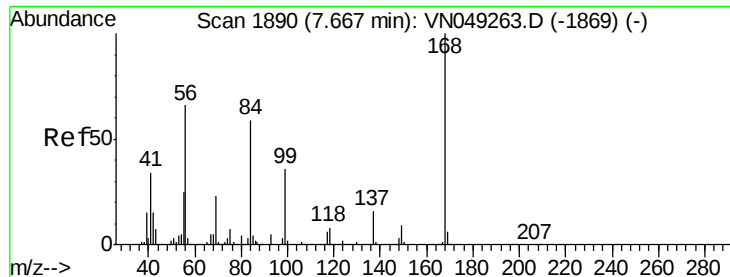
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1451724

Ion Ratio Lower Upper

168 100

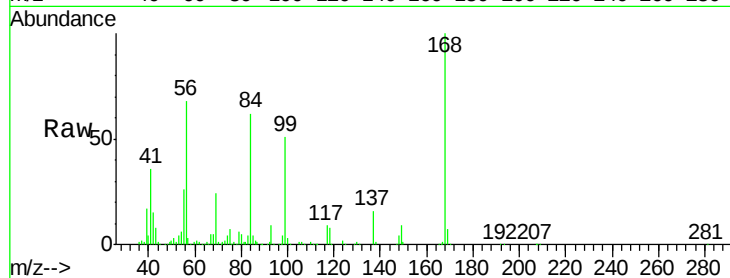
99 50.9 45.8 68.6

Manual Integrations

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6/25/2018 4:23:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

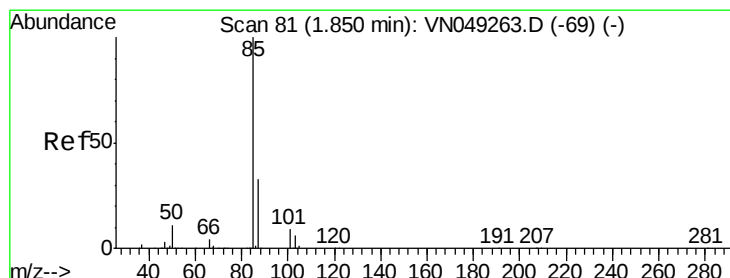
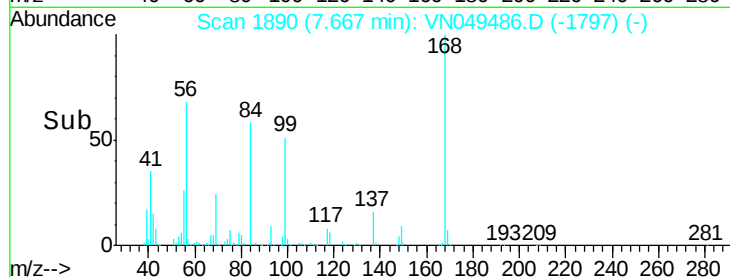
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#2

Dichlorodifluoromethane

Concen: 44.23 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049486.D

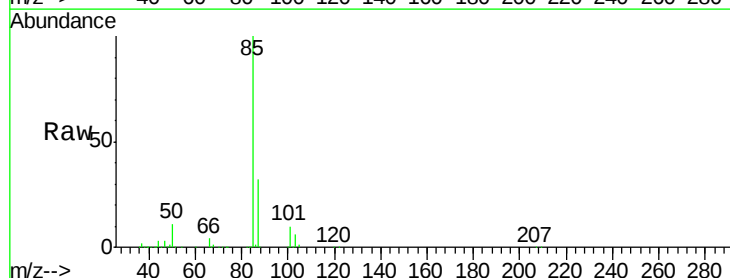
Acq: 22 Jun 2018 12:25

Tgt Ion: 85 Resp: 739092

Ion Ratio Lower Upper

85 100

87 32.4 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

600000

500000

400000

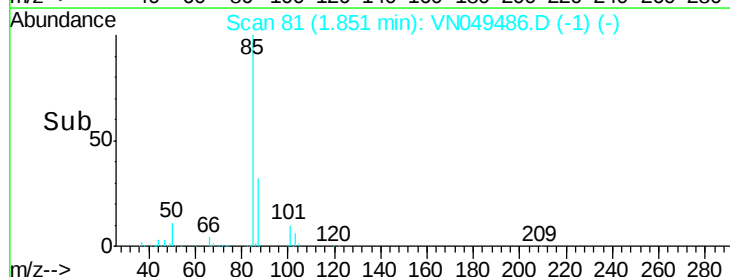
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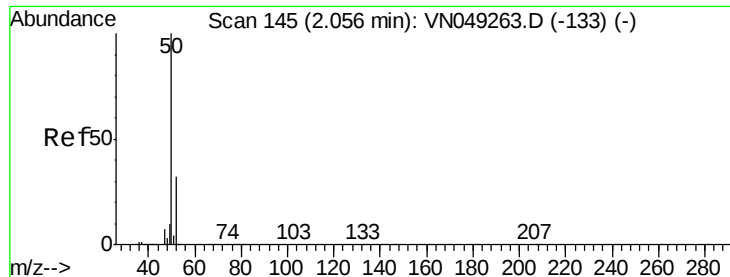
200000

100000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 43.11 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 930227

Ion Ratio Lower Upper

50 100

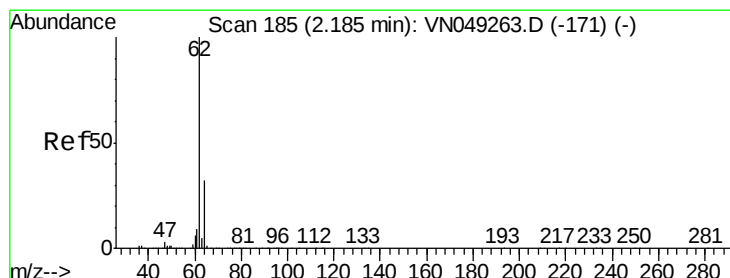
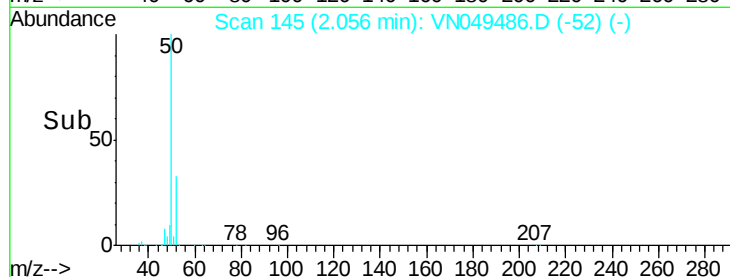
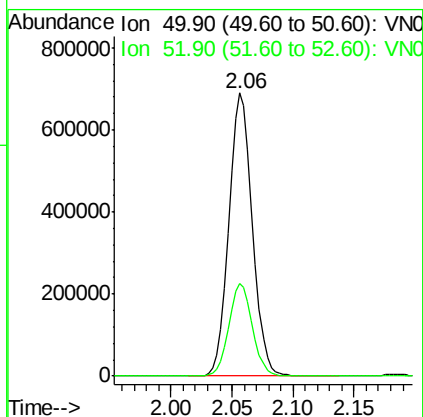
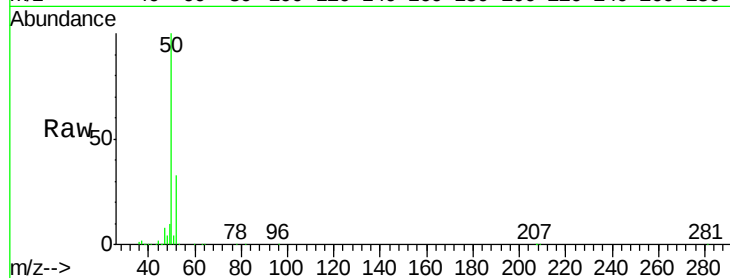
52 32.5 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.94 ug/l

RT: 2.19 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049486.D

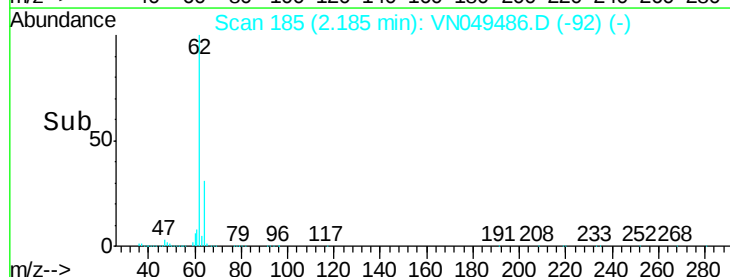
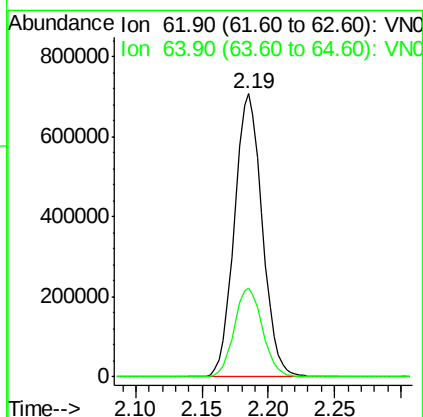
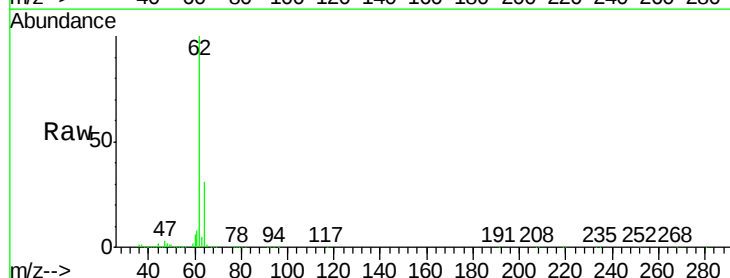
Acq: 22 Jun 2018 12:25

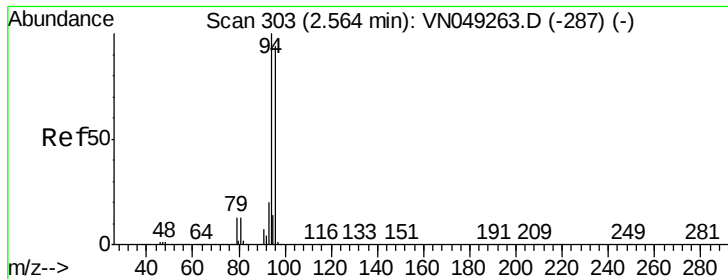
Tgt Ion: 62 Resp: 1030545

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5





#5

Bromomethane

Concen: 46.98 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 566370

Ion Ratio Lower Upper

94 100

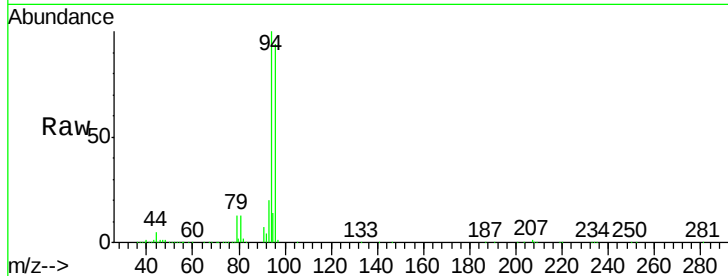
96 94.3 72.8 109.2

Manual Integrations

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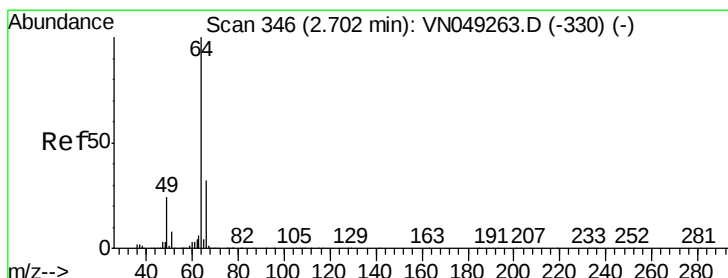
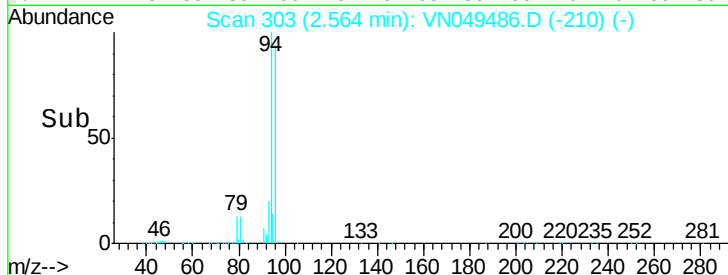
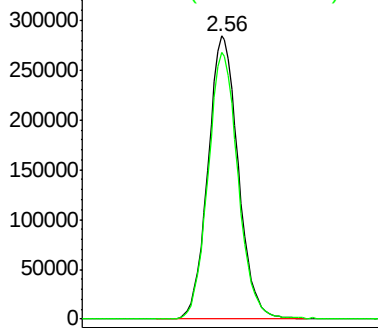
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.41 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049486.D

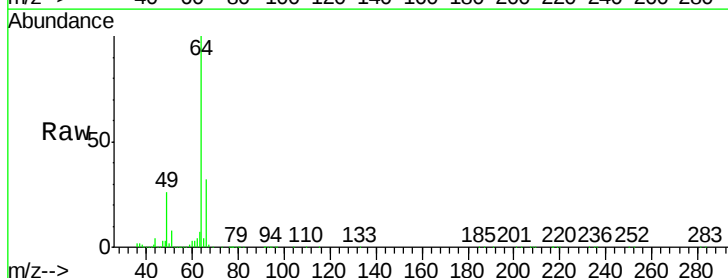
Acq: 22 Jun 2018 12:25

Tgt Ion: 64 Resp: 648259

Ion Ratio Lower Upper

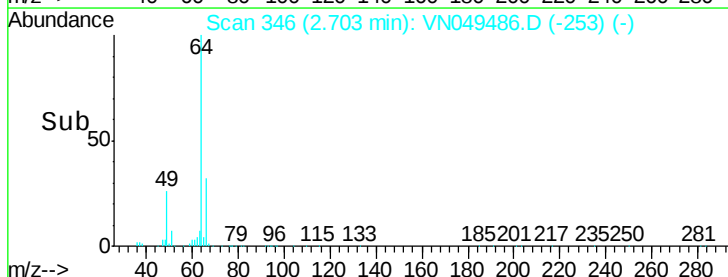
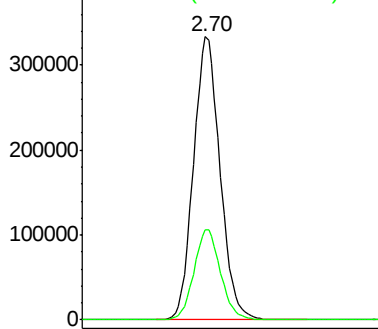
64 100

66 31.6 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

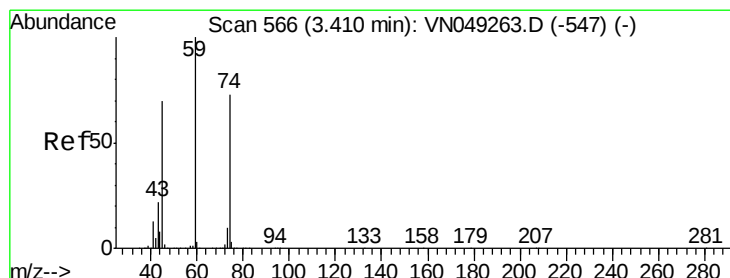
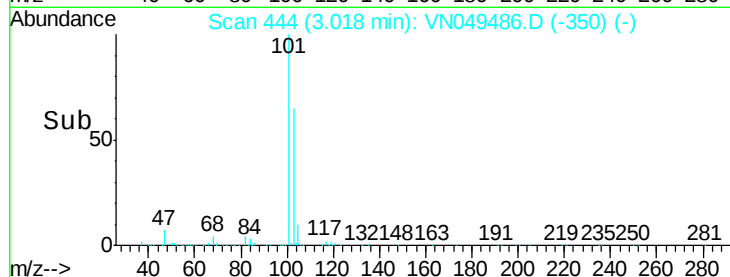
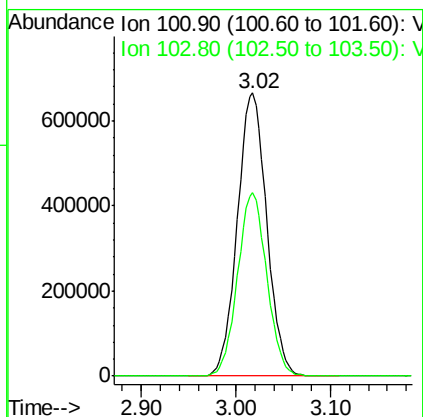
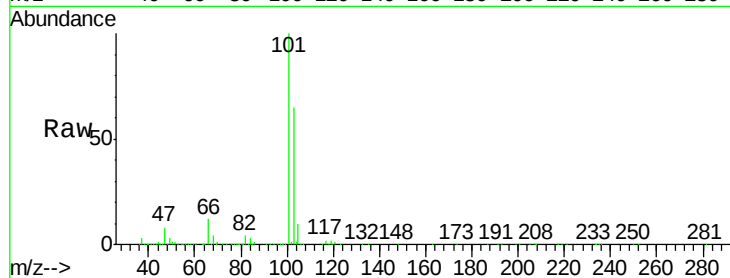
Trichlorofluoromethane
Concen: 50.23 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
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Tot Ion:101 Resp: 1437005
Ion Ratio Lower Upper
101 100
103 64.6 51.7 77.5

Manual Integrations
APPROVED

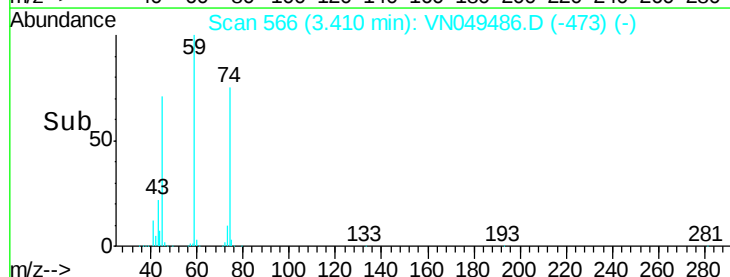
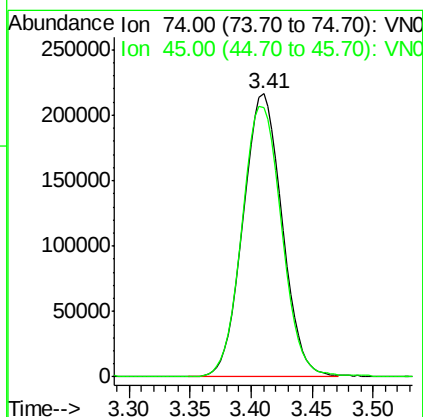
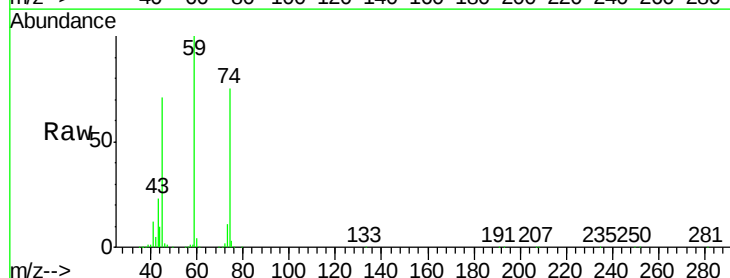
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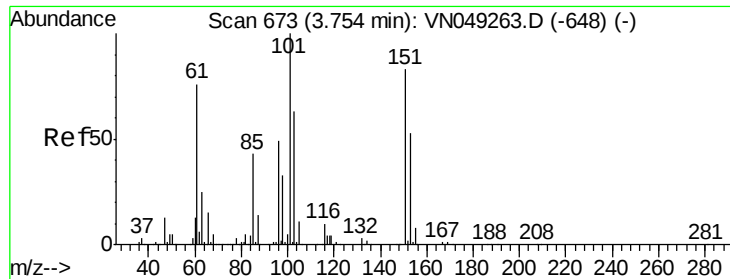


#8

Diethyl Ether
Concen: 47.95 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 74 Resp: 478955
Ion Ratio Lower Upper
74 100
45 97.0 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.16 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

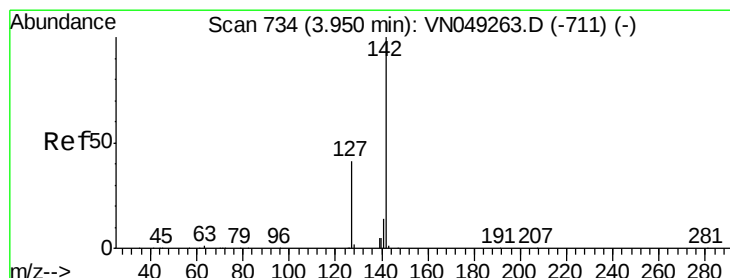
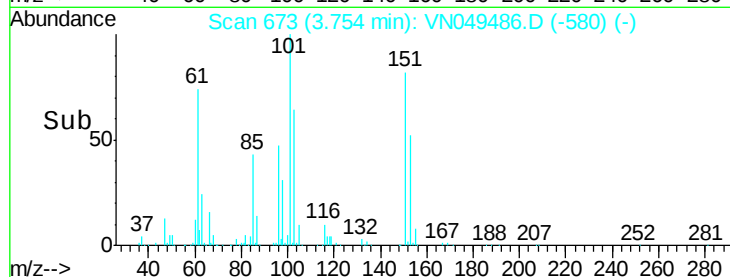
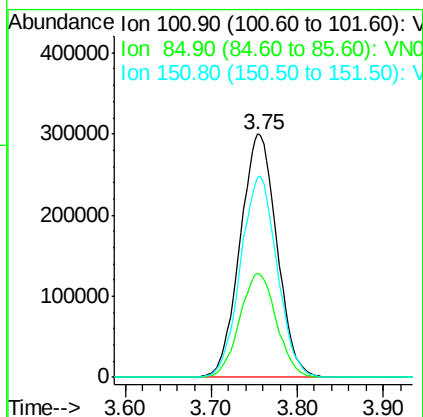
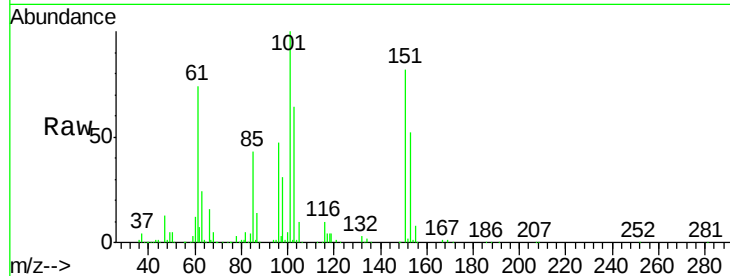
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	891950
Ion Ratio	Lower	Upper	
101	100		
85	42.7	37.6	56.4
151	82.3	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 57.45 ug/l

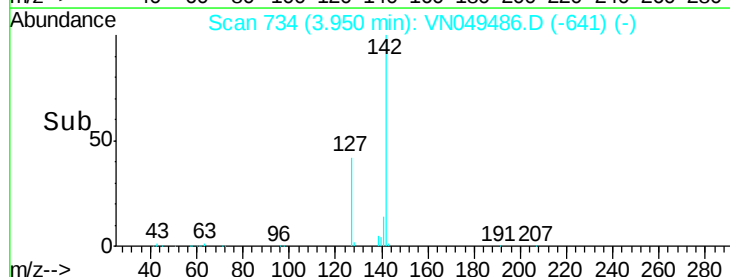
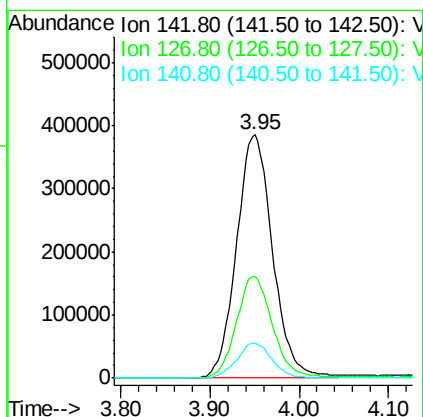
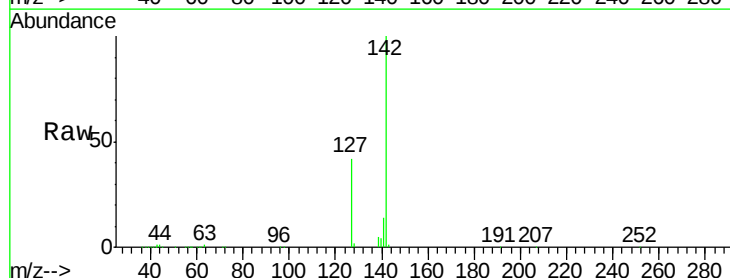
RT: 3.95 min Scan# 734

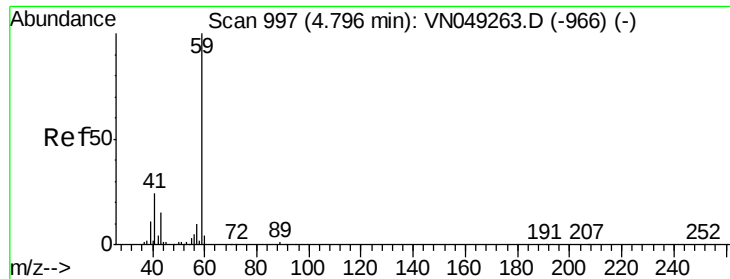
Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Tgt Ion:	142	Resp:	1085209
Ion Ratio	Lower	Upper	
142	100		
127	41.7	38.2	57.4
141	14.1	11.9	17.9





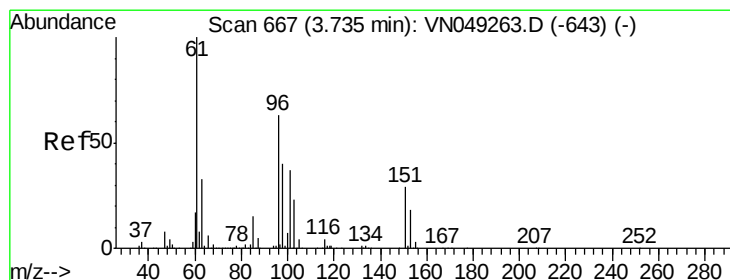
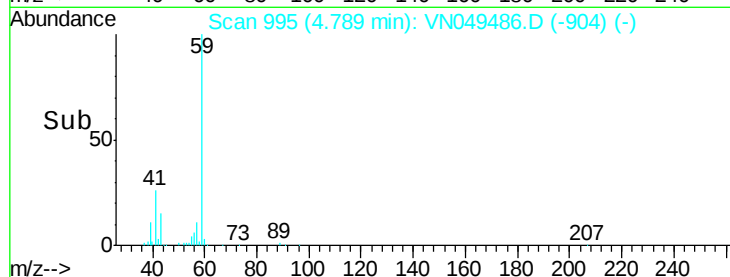
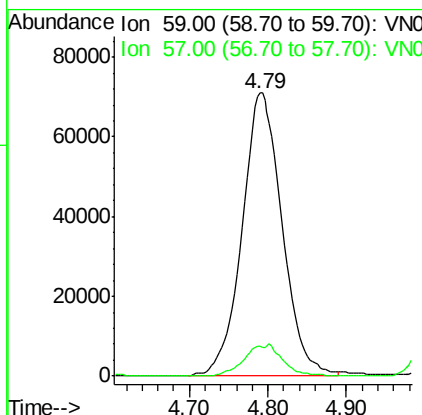
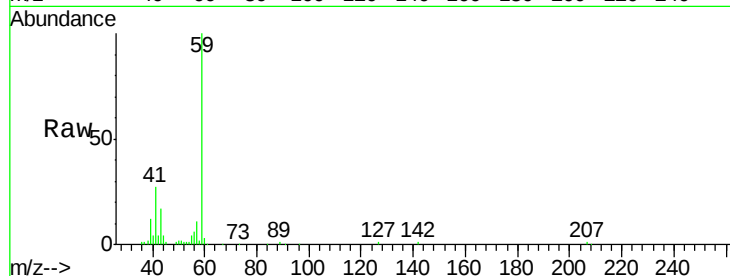
#11
Tert butyl alcohol
Concen: 223.23 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.0	9.0	13.6#

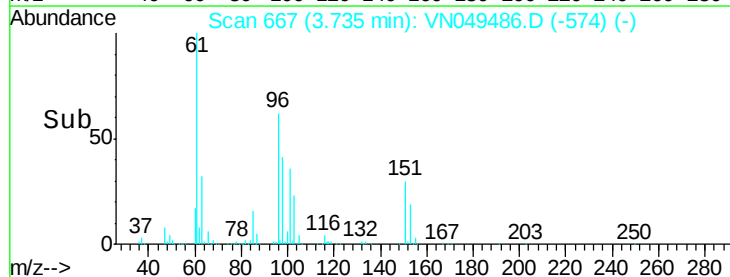
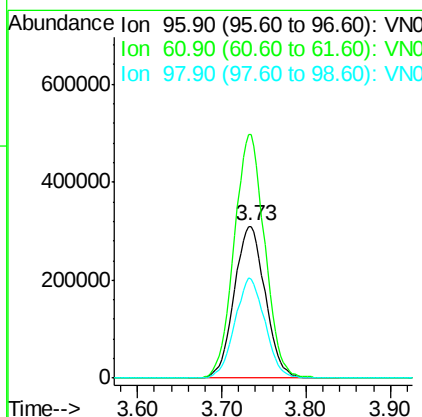
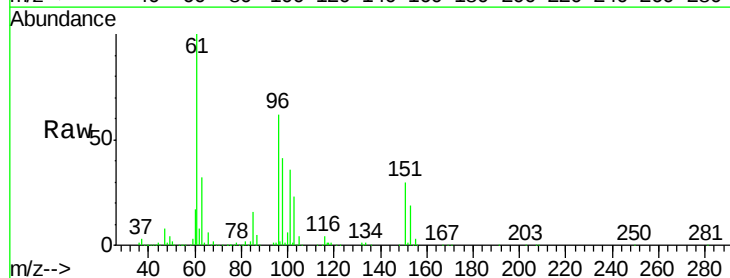
Manual Integrations
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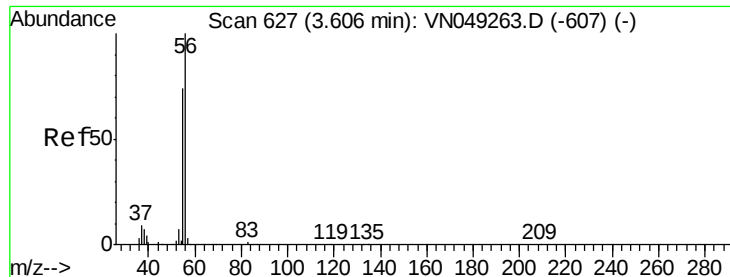
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#12
1,1-Dichloroethene
Concen: 47.69 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.8	141.0	211.4
98	65.4	50.4	75.6





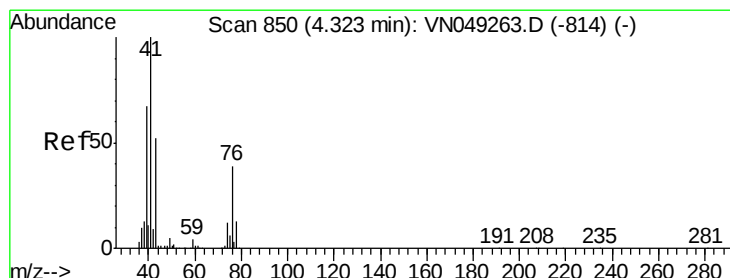
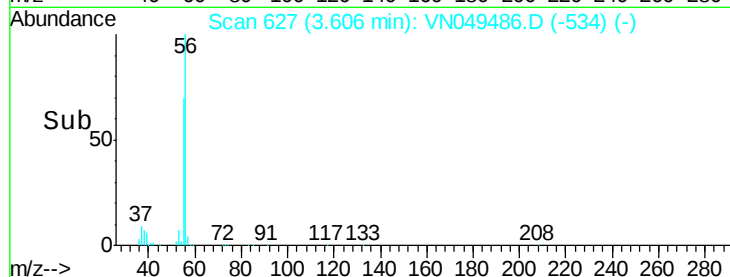
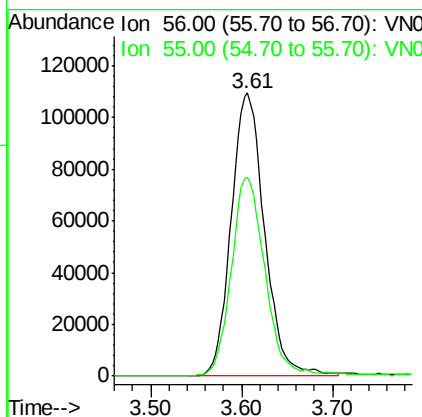
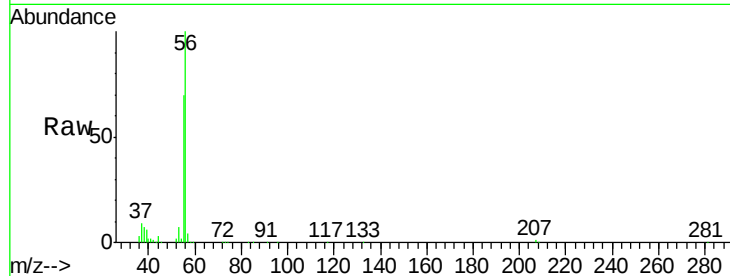
#13
Acrolein
Concen: 235.48 ug/l
RT: 3.61 min Scan# 627
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	279068
Ion Ratio	100	Lower	Upper
55	68.7	57.1	85.7

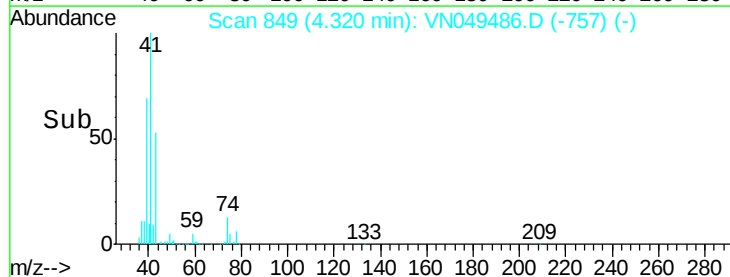
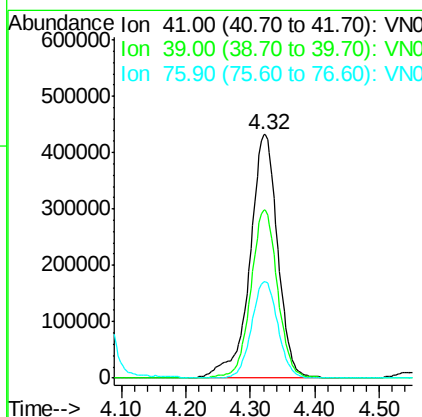
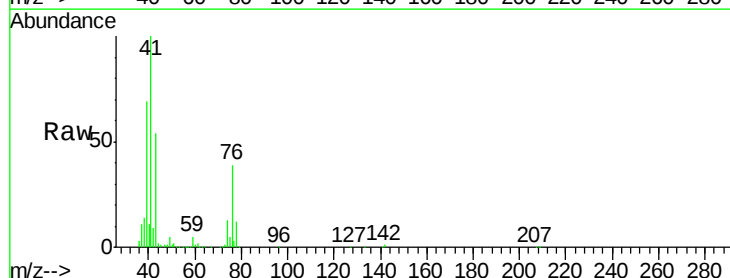
Manual Integrations
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#14
Allyl chloride
Concen: 49.28 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion	41	Resp	1295219
Ion Ratio	100	Lower	Upper
39	66.5	62.5	93.7
76	36.9	27.1	40.7





#15
 Acrylonitrile
 Concen: 244.60 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

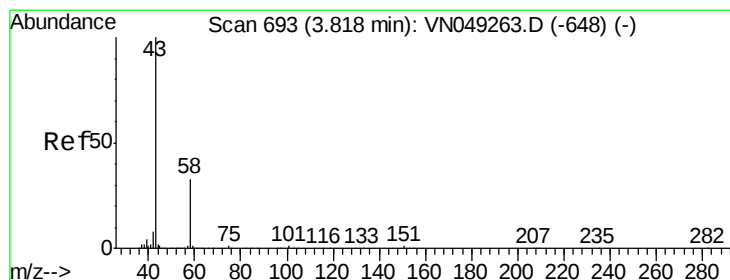
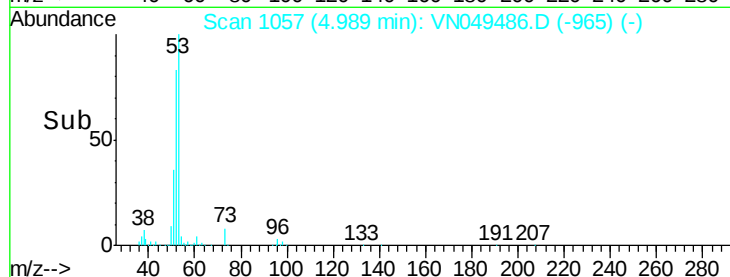
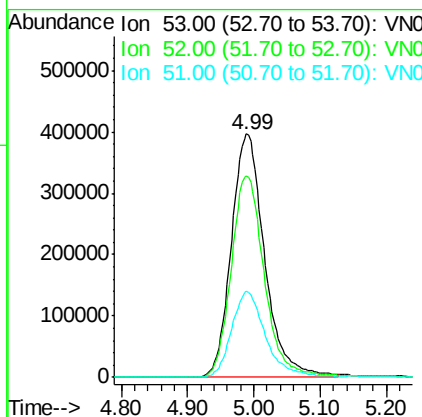
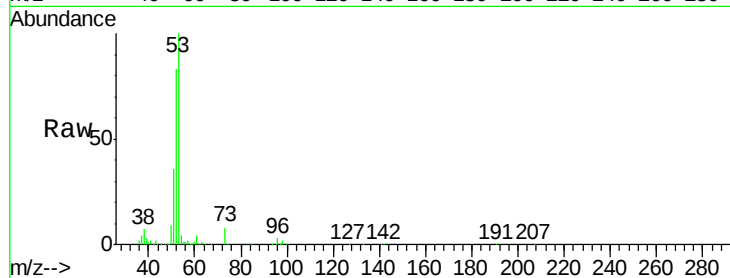
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 53 Resp: 1382208

Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	100.0
51	36.2	29.8	44.8

Manual Integrations
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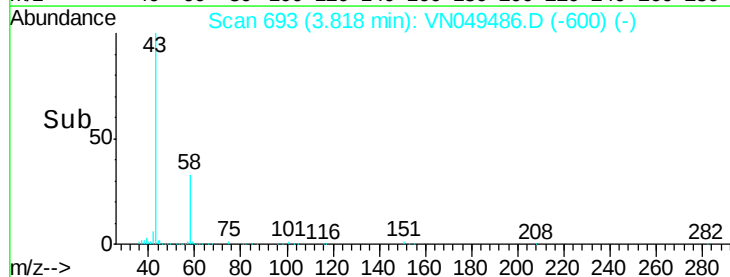
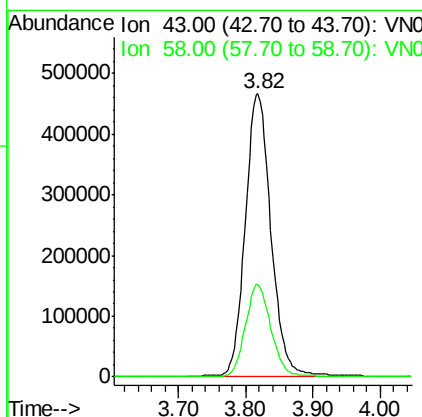
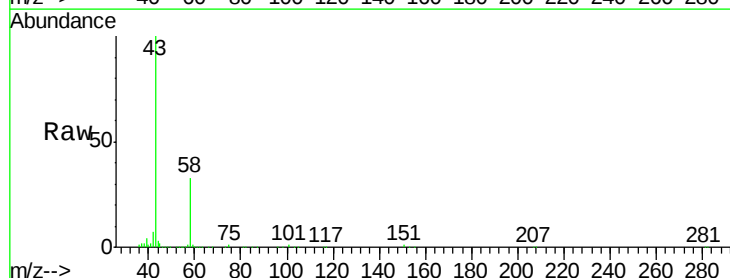
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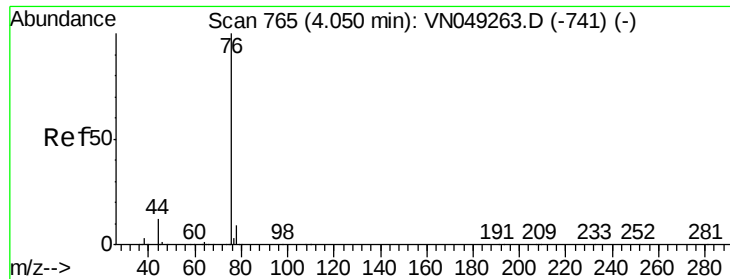


#16
 Acetone
 Concen: 264.81 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion: 43 Resp: 1238028

Ion	Ratio	Lower	Upper
43	100		
58	32.8	22.4	33.6





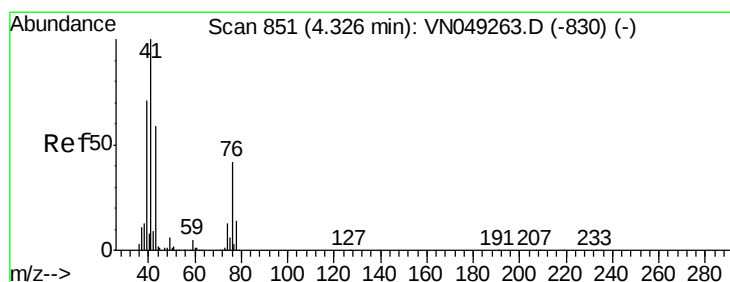
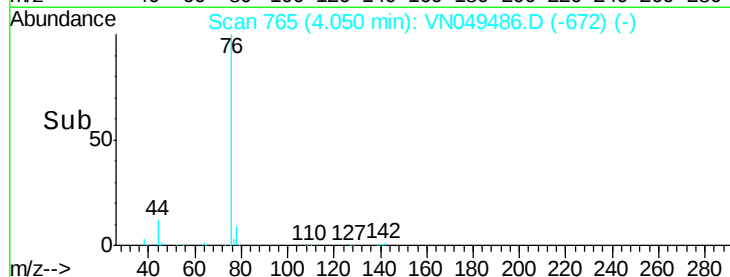
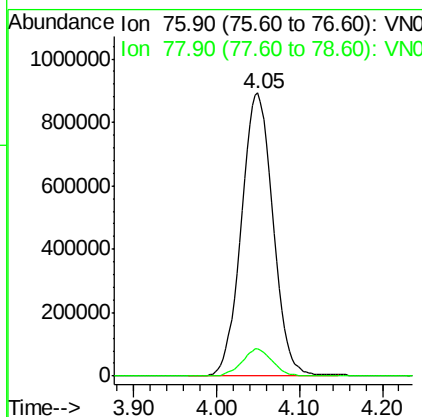
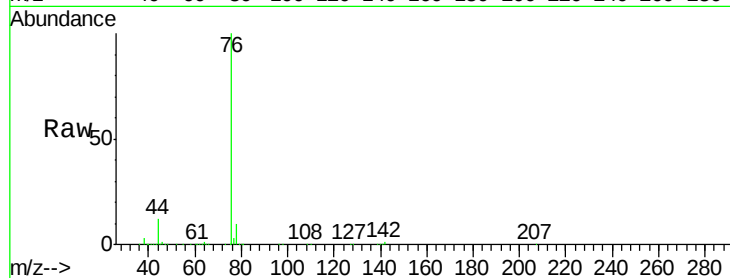
#17
Carbon Disulfide
Concen: 45.40 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 2368883
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

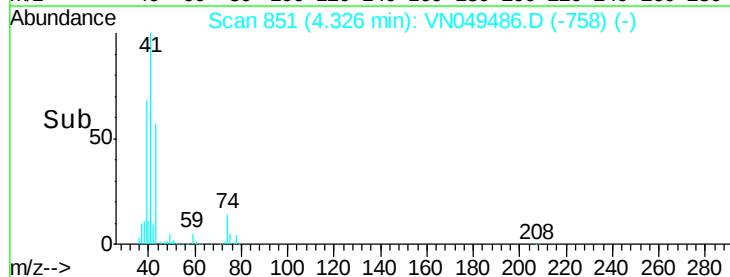
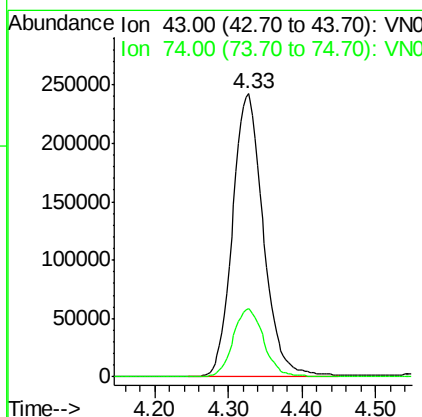
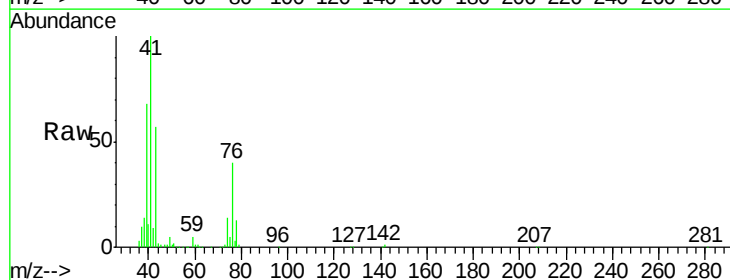
Manual Integrations
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#18
Methyl Acetate
Concen: 49.11 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 43 Resp: 700127
Ion Ratio Lower Upper
43 100
74 24.2 17.4 26.0





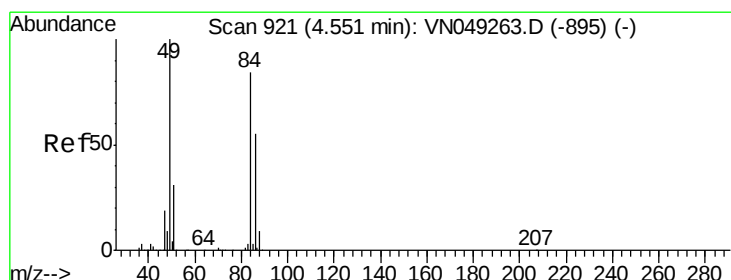
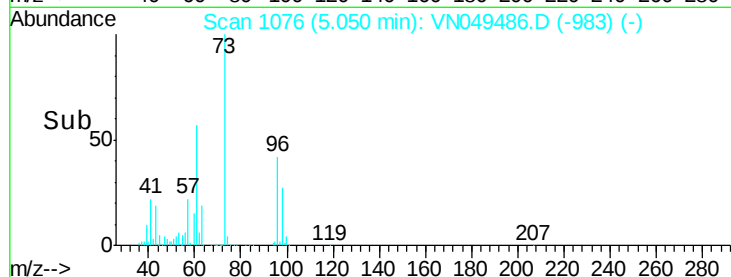
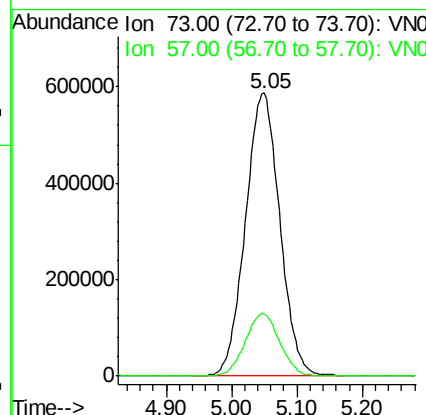
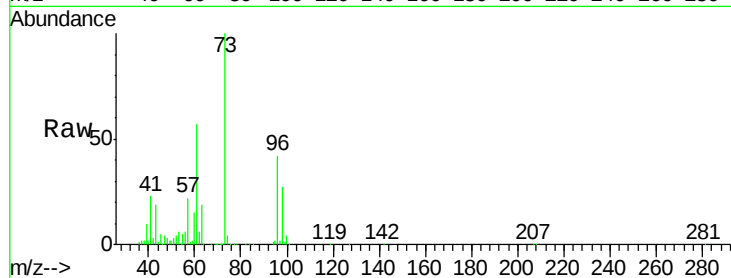
#19
Methvl tert-butvl Ether
Concen: 50.63 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 2148554
Ion Ratio Lower Upper
73 100
57 22.0 18.2 27.4

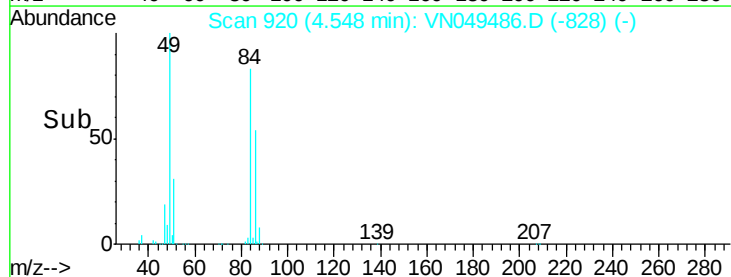
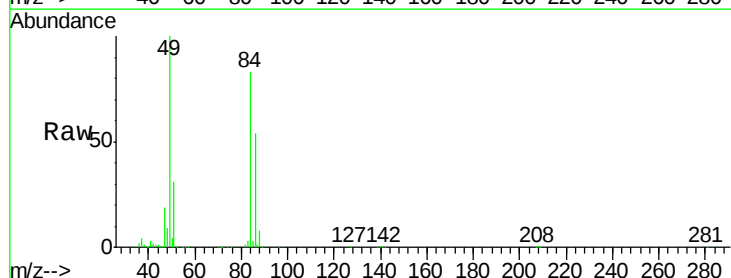
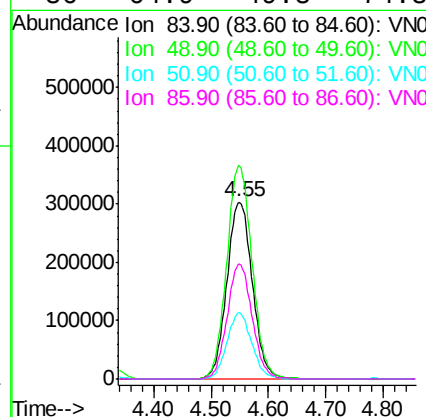
Manual Integrations
APPROVED

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6/25/2018 4:23:20 PM



#20
Methylene Chloride
Concen: 48.15 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 84 Resp: 940235
Ion Ratio Lower Upper
84 100
49 120.8 106.9 160.3
51 37.6 32.7 49.1
86 64.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 49.55 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

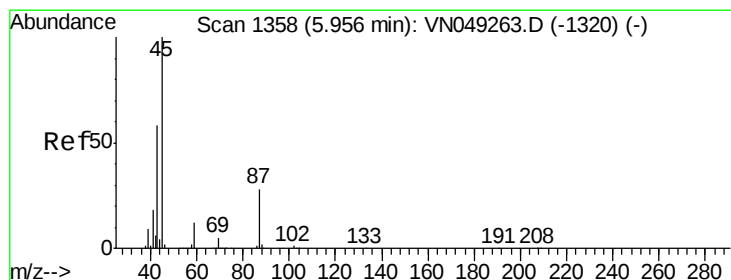
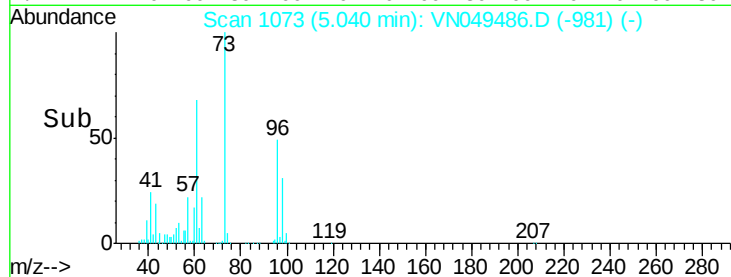
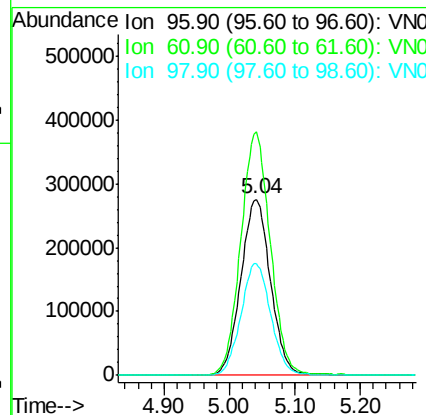
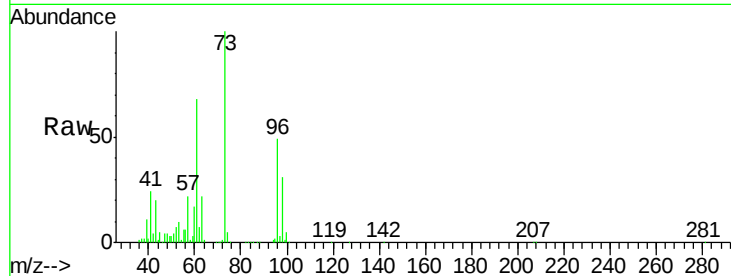
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	873157
Ion	Ratio	Lower	Upper
96	100		
61	138.5	121.3	181.9
98	63.8	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.06 ug/l

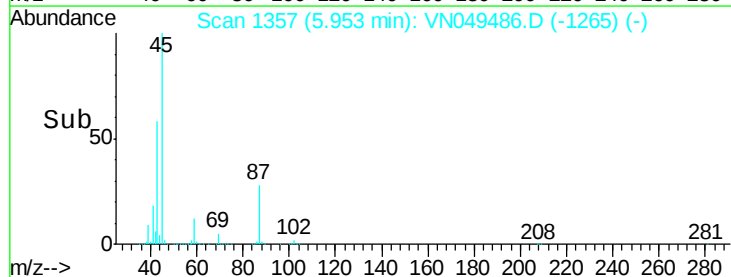
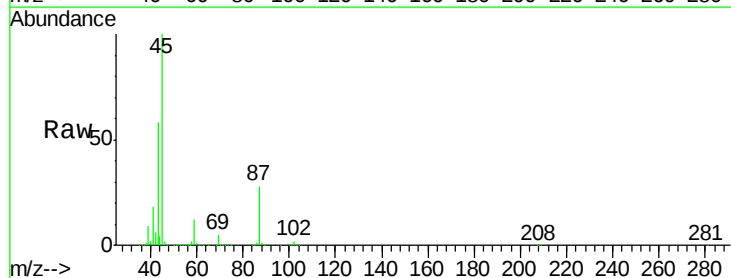
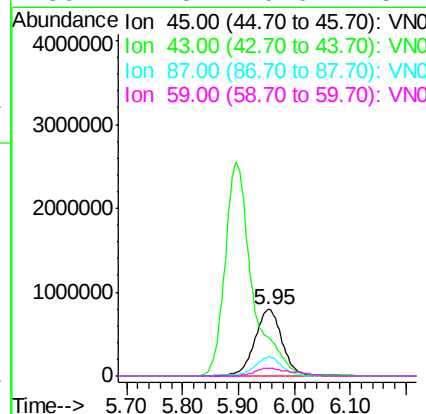
RT: 5.95 min Scan# 1357

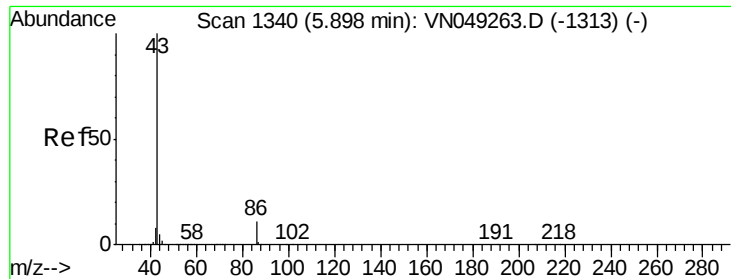
Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Tgt Ion:	45	Resp:	2732434
Ion	Ratio	Lower	Upper
45	100		
43	58.1	48.6	72.8
87	28.2	20.2	30.2
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 253.17 ug/l

RT: 5.90 min Scan# 1339

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 8662288

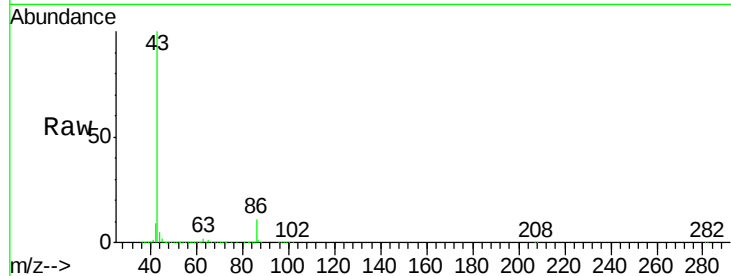
Ion Ratio Lower Upper

43 100

86 10.5 7.2 10.8

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Abundance Ion 43.00 (42.70 to 43.70): VN049486.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN049486.D (-1247) (-)

3000000

2500000

2000000

1500000

1000000

500000

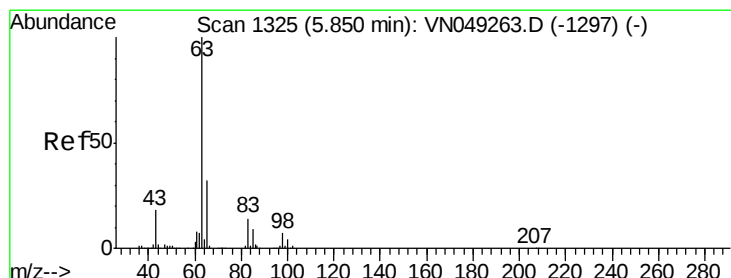
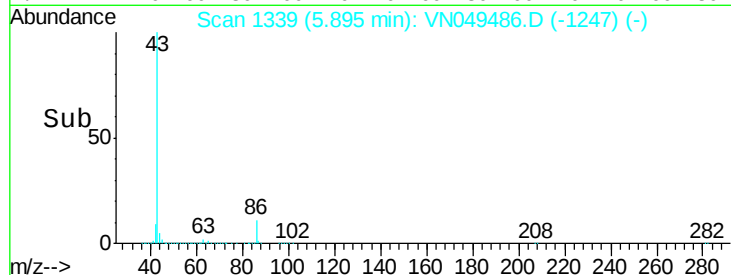
0

5.80

5.90

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 48.81 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

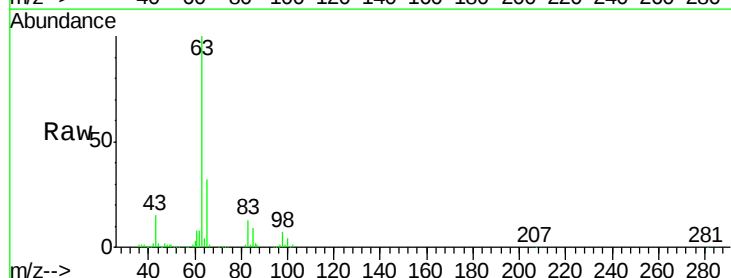
Tgt Ion: 63 Resp: 1639506

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN049486.D (-1232) (-)

Ion 97.90 (97.60 to 98.60): VN049486.D (-1232) (-)

Ion 99.90 (99.60 to 100.60): VN049486.D (-1232) (-)

600000

400000

200000

0

5.70

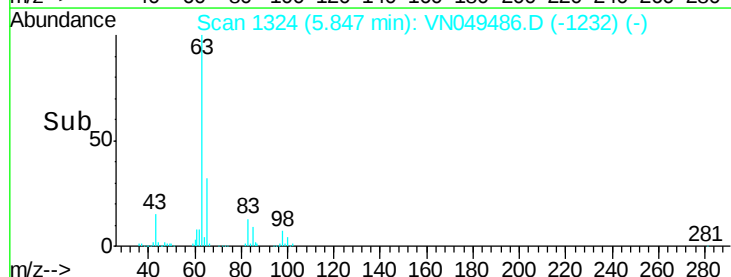
5.80

5.85

5.90

6.00

Time-->





#25

2-Butanone

Concen: 256.34 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1609215

Ion Ratio Lower Upper

43 100

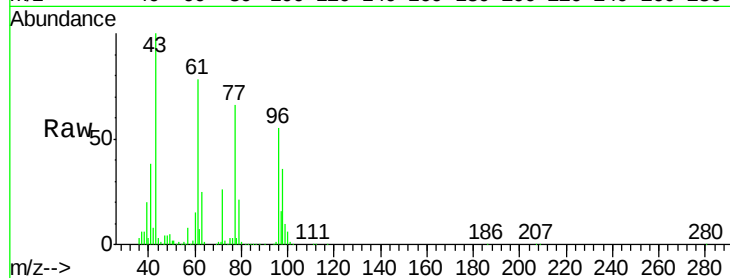
72 26.5 20.2 30.2

Manual Integrations

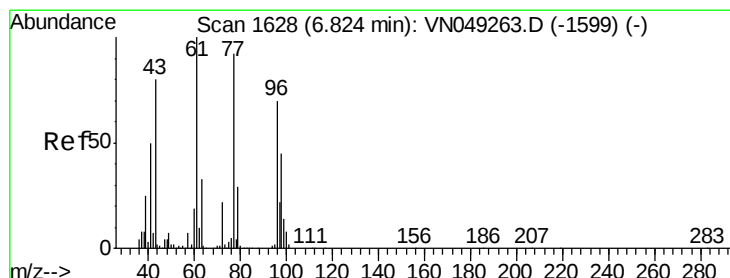
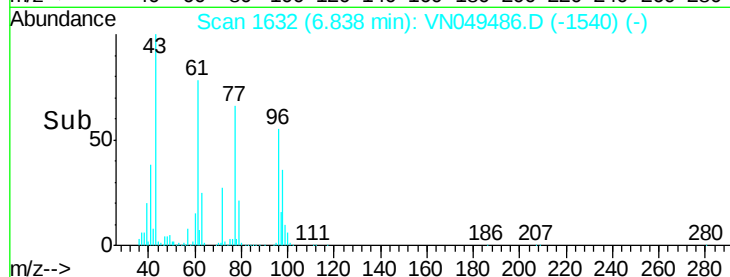
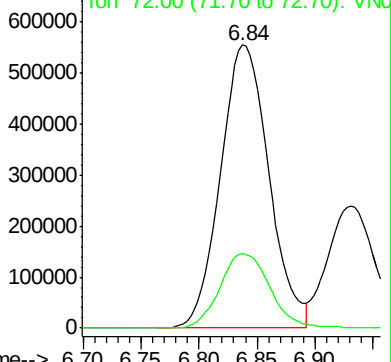
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Abundance Ion 43.00 (42.70 to 43.70): VN0



#26

2,2-Dichloropropane

Concen: 51.90 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049486.D

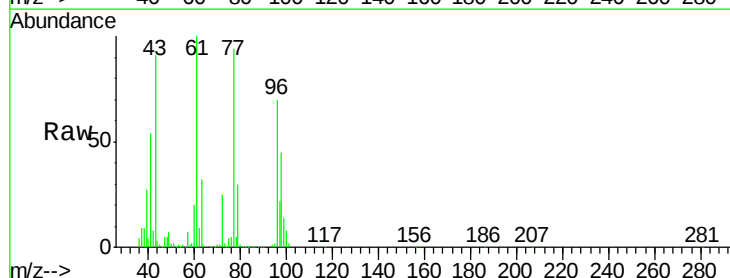
Acq: 22 Jun 2018 12:25

Tgt Ion: 77 Resp: 1407919

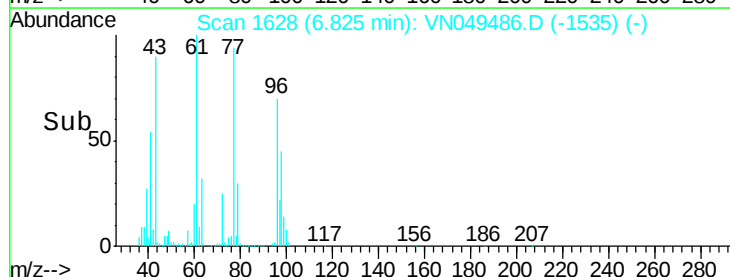
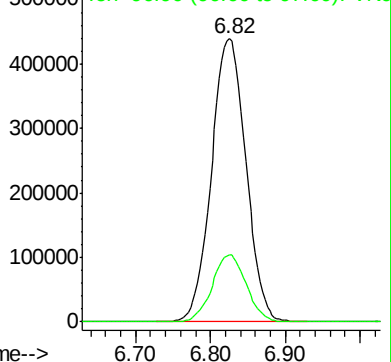
Ion Ratio Lower Upper

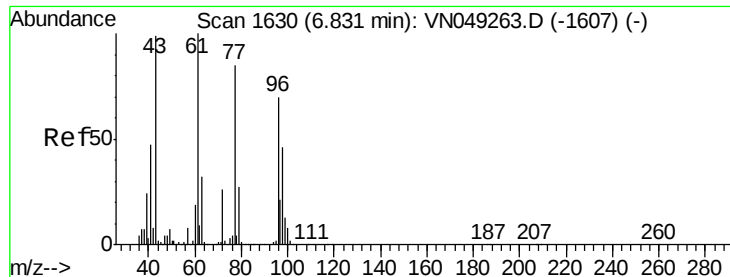
77 100

97 23.4 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.47 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

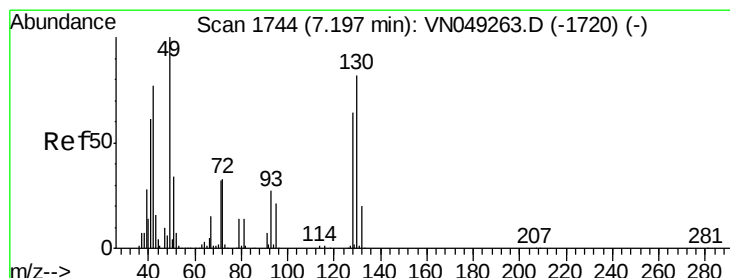
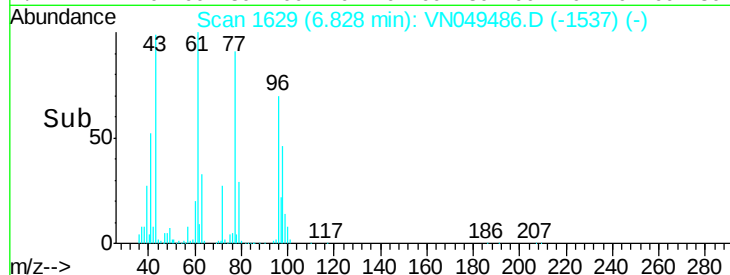
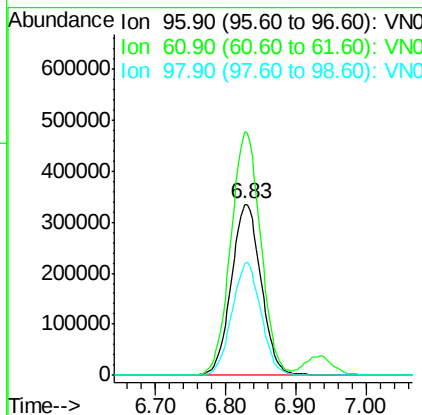
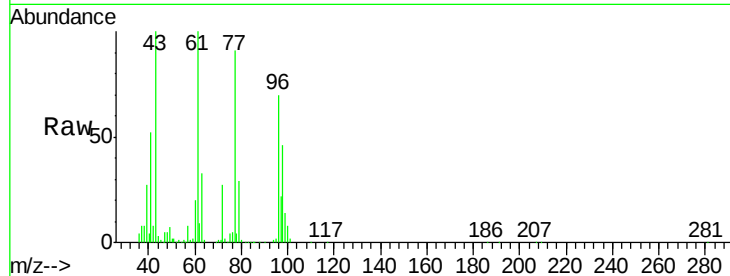
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	988751
Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	316.4
98	64.3	0.0	128.4

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#28

Bromochloromethane

Concen: 44.12 ug/l

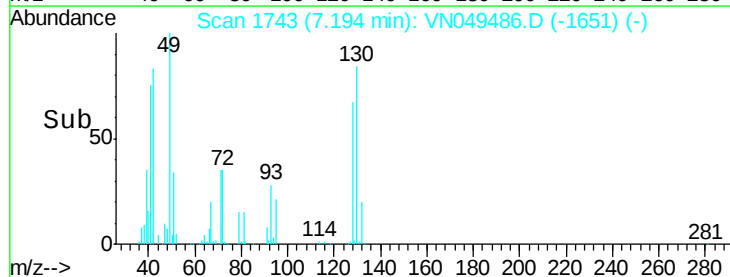
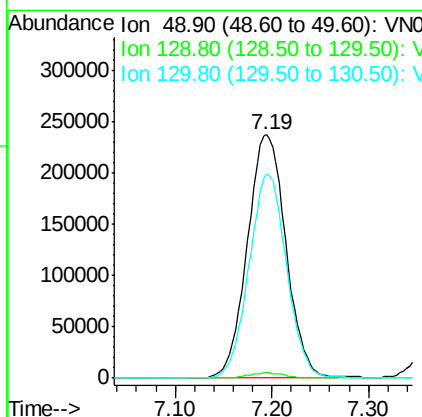
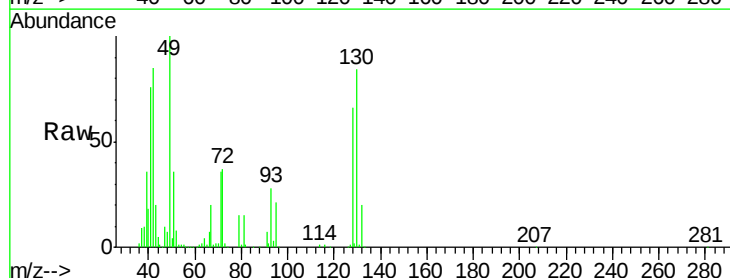
RT: 7.19 min Scan# 1743

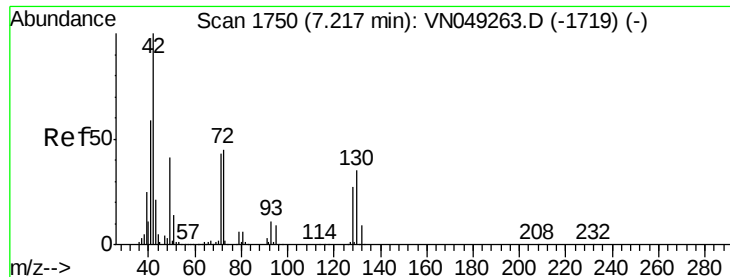
Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Tgt Ion:	49	Resp:	657018
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	82.2	54.9	82.3





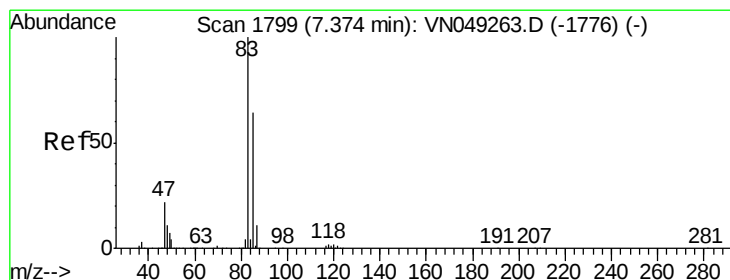
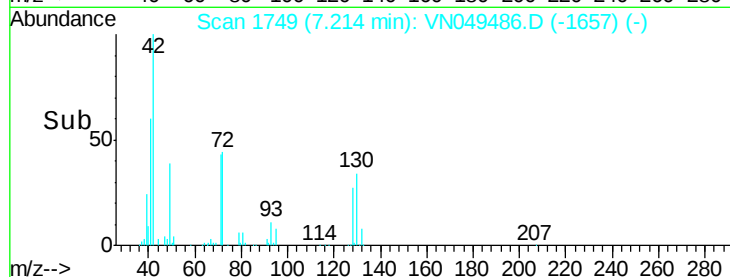
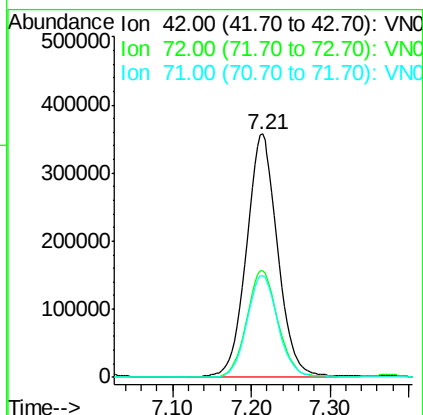
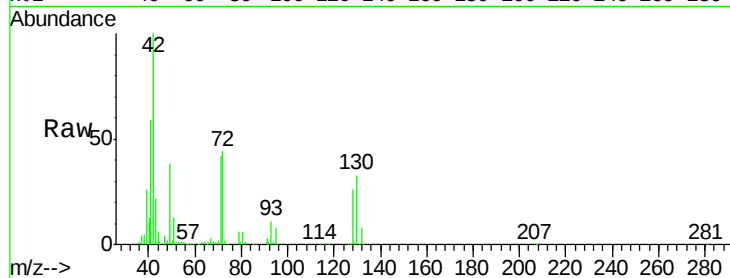
#29
Tetrahydrofuran
Concen: 247.32 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	32.2	48.4
71	42.0	30.5	45.7

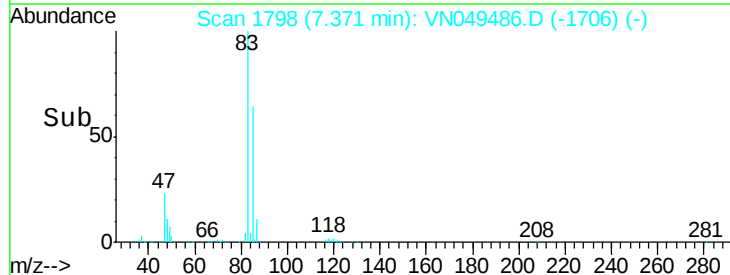
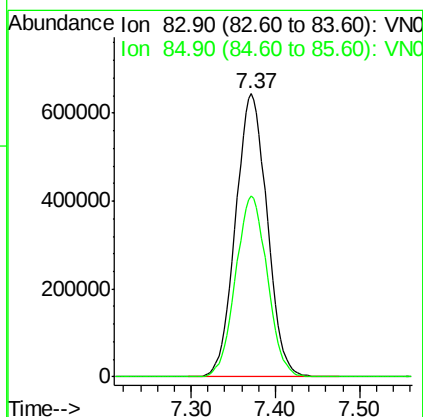
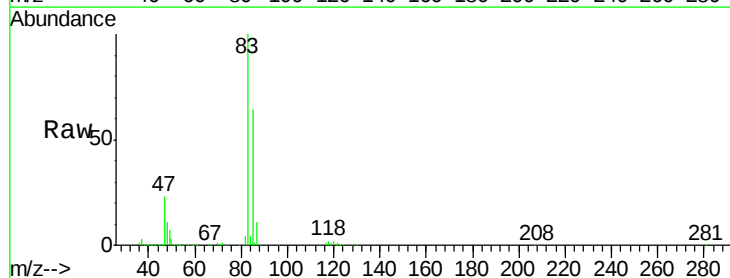
Manual Integrations
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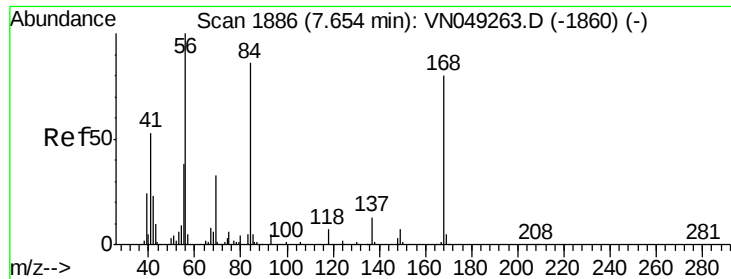
MMDadoda
6/25/2018 4:23:20 PM



#30
Chloroform
Concen: 50.20 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.7	77.5





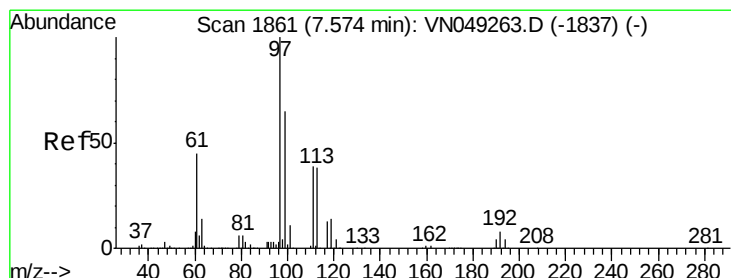
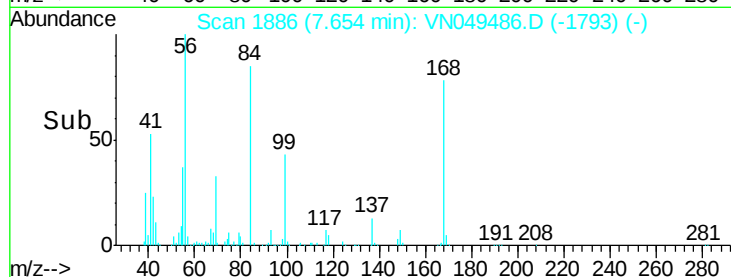
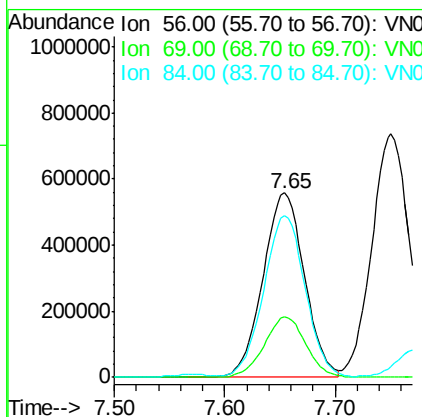
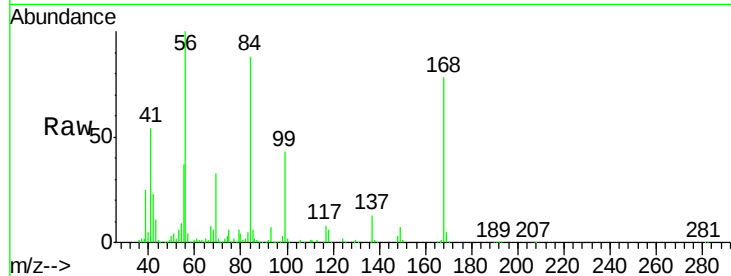
#31
Cyclohexane
Concen: 51.06 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 1454073
Ion Ratio Lower Upper
56 100
69 32.6 25.0 37.4
84 86.3 64.6 96.8

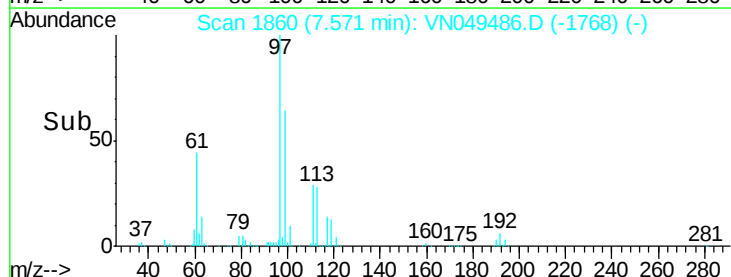
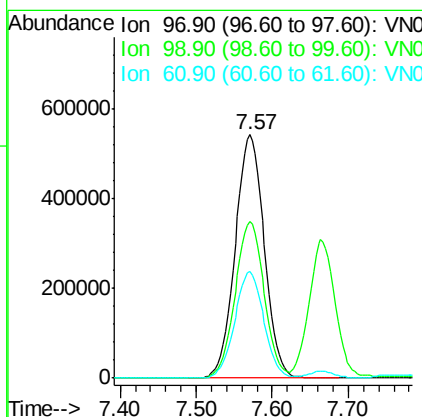
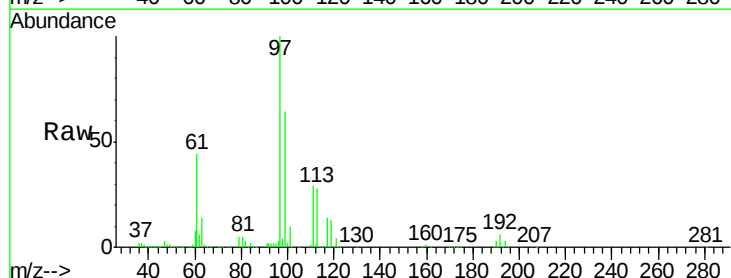
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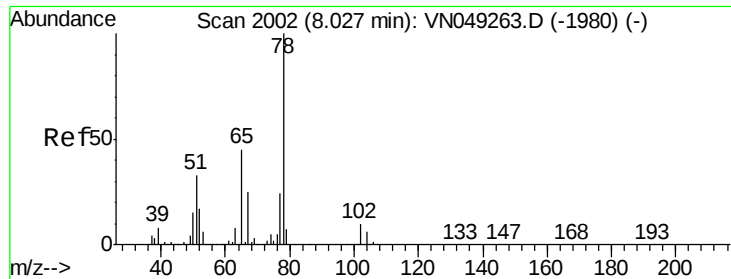
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.37 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 97 Resp: 1436903
Ion Ratio Lower Upper
97 100
99 64.3 50.5 75.7
61 43.8 37.9 56.9





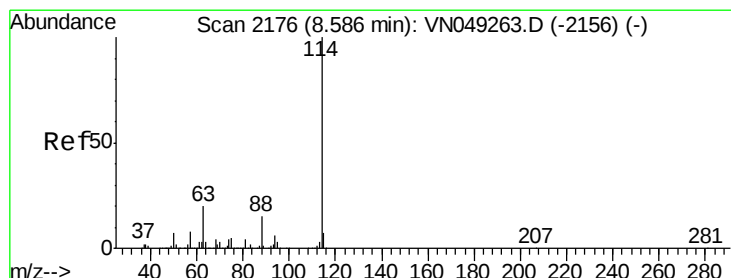
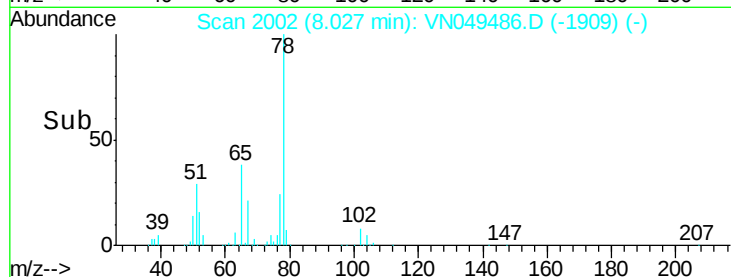
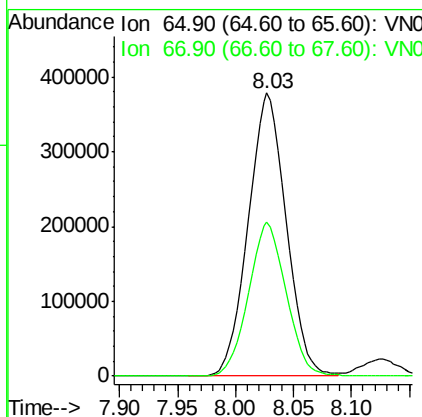
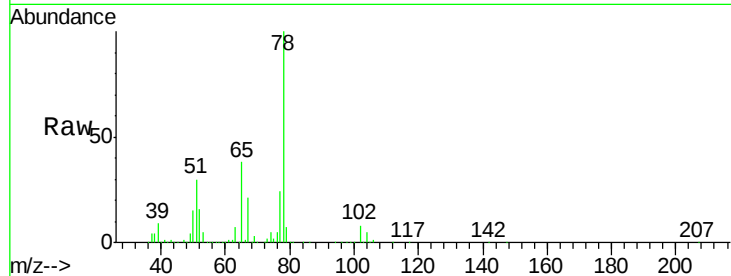
#33
 1,2-Dichloroethane-d4
 Concen: 44.73 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	861317		
67	54.1	0.0	103.8	

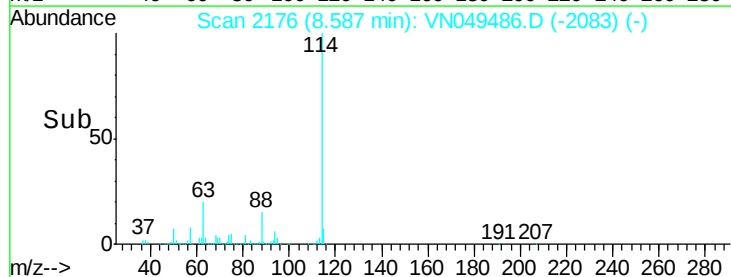
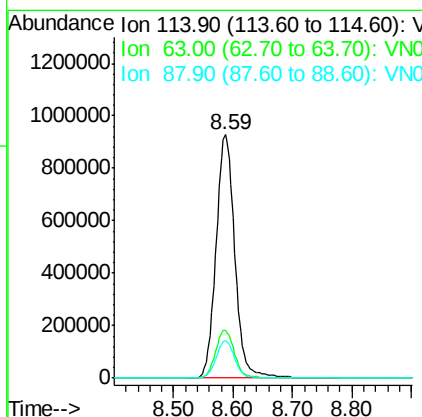
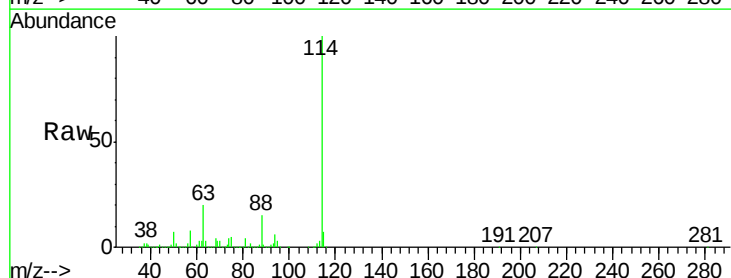
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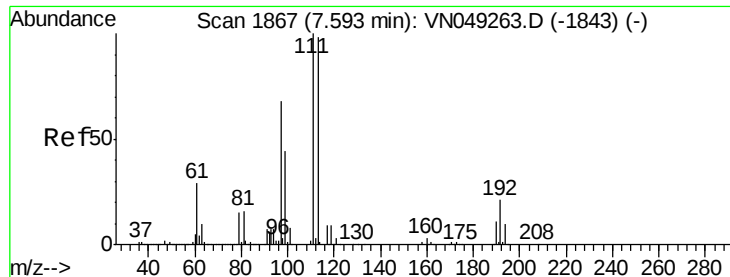
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2024558		
63	19.6	0.0	44.4	
88	15.5	0.0	31.4	





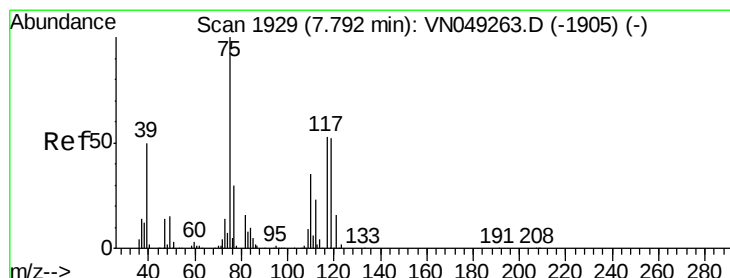
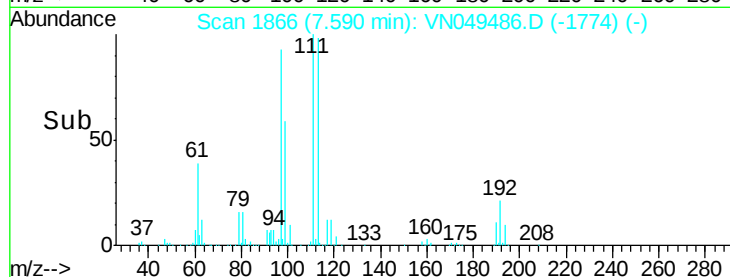
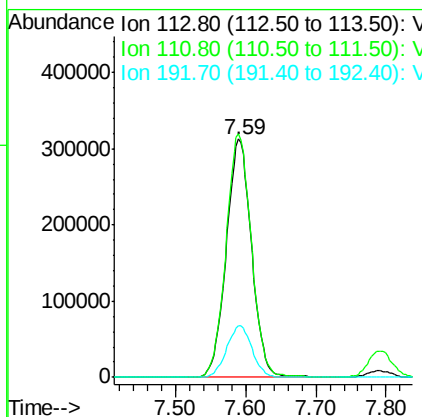
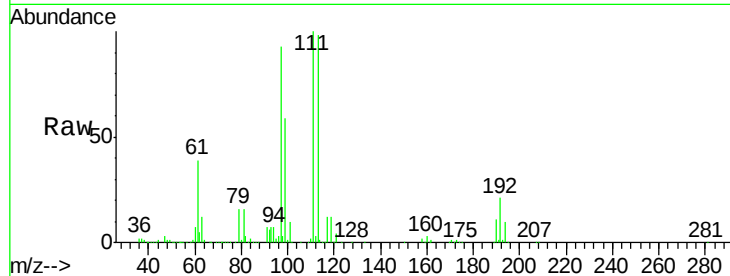
#35
 Dibromofluoromethane
 Concen: 47.77 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	782405		
111	102.6		82.4	123.6
192	21.8		15.0	22.6

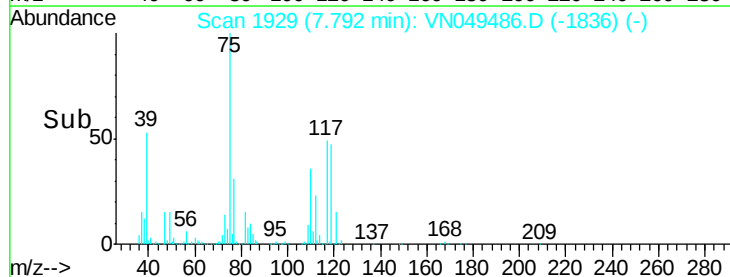
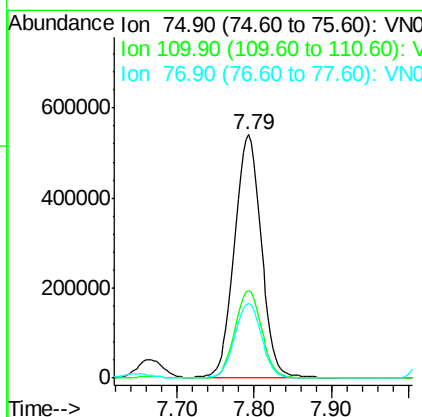
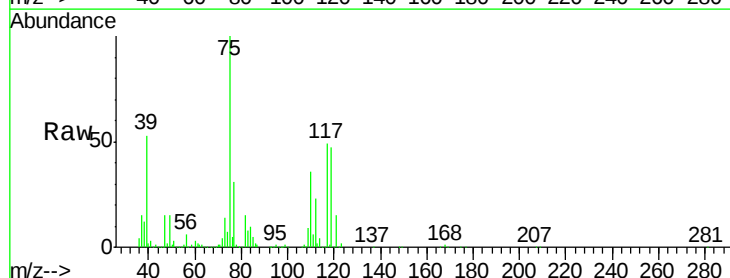
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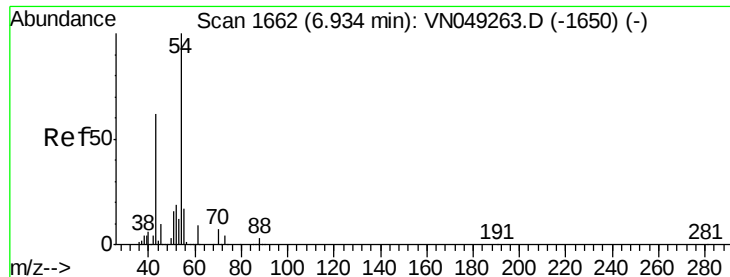
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#36
 1,1-Dichloropropene
 Concen: 55.74 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1293279		
110	36.2		17.0	50.9
77	30.9		24.4	36.6





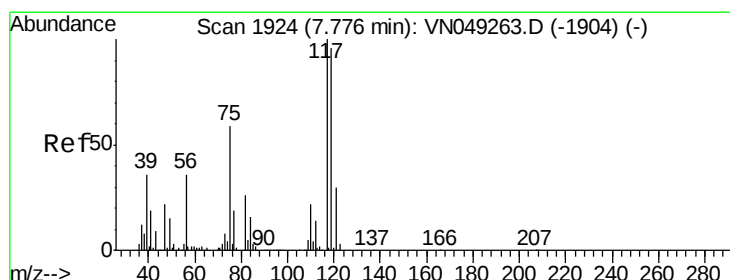
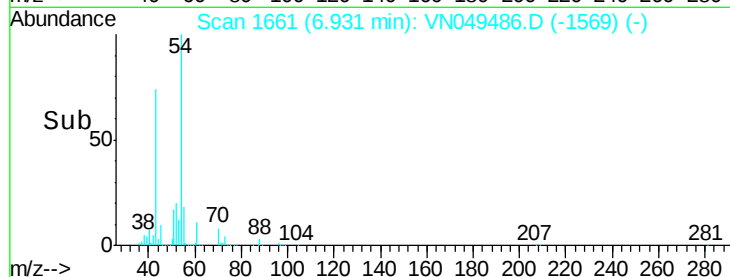
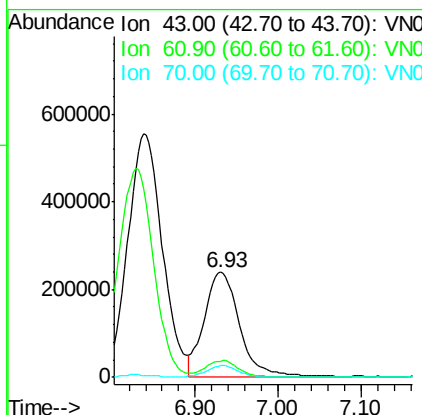
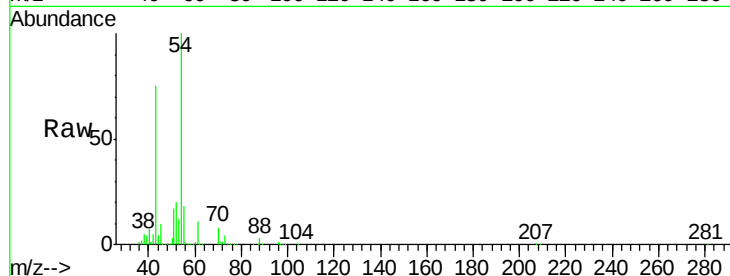
#37
Ethyl Acetate
Concen: 55.51 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.3	7.2	10.8

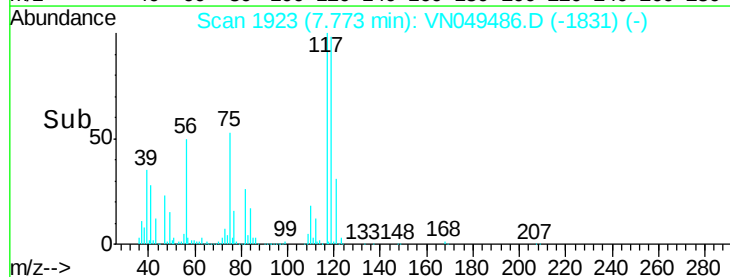
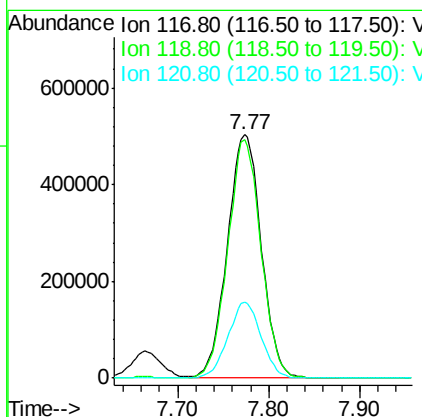
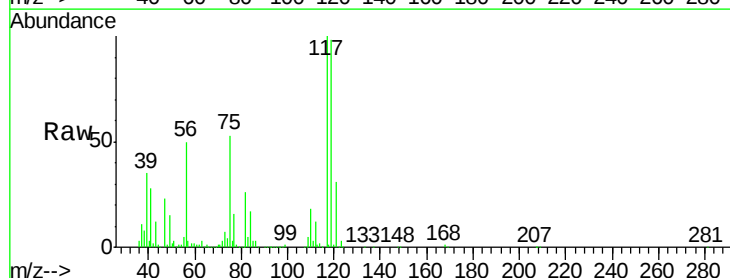
Manual Integrations
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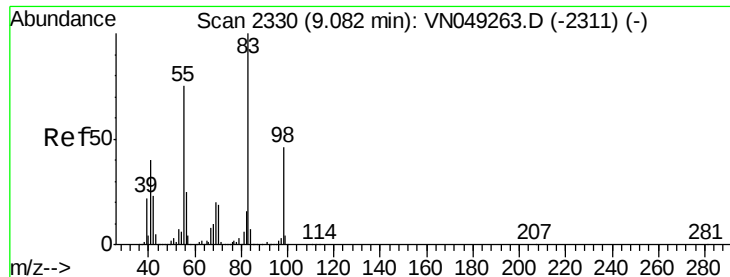
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#38
Carbon Tetrachloride
Concen: 54.10 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	75.6	113.4
121	31.4	24.7	37.1





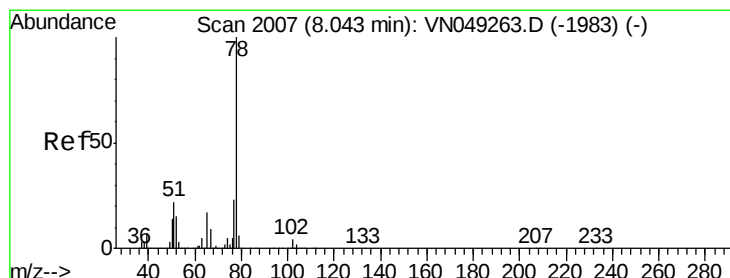
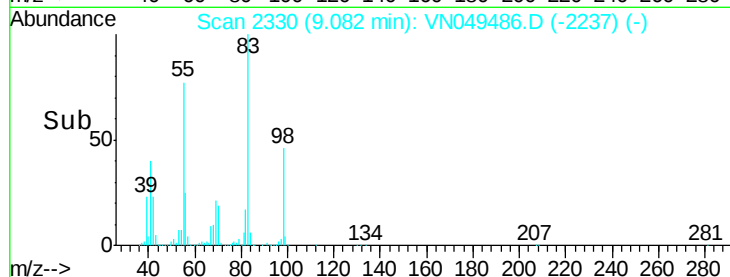
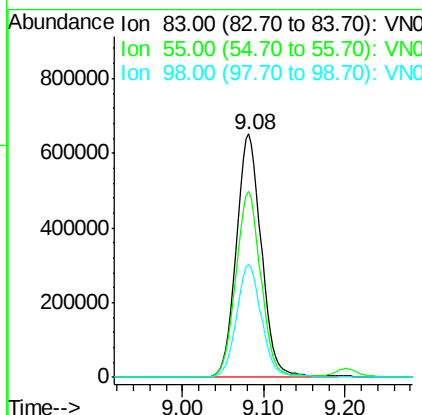
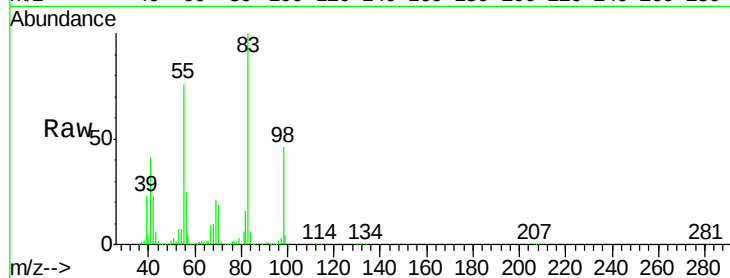
#39
Methvlcvclohexane
Concen: 55.91 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.5	65.1	97.7
98	46.2	36.5	54.7

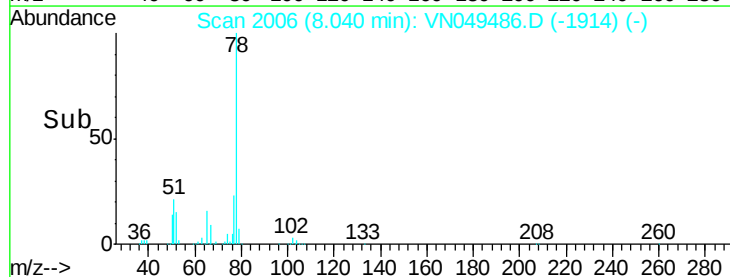
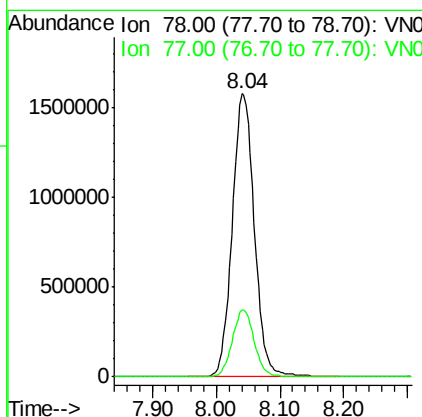
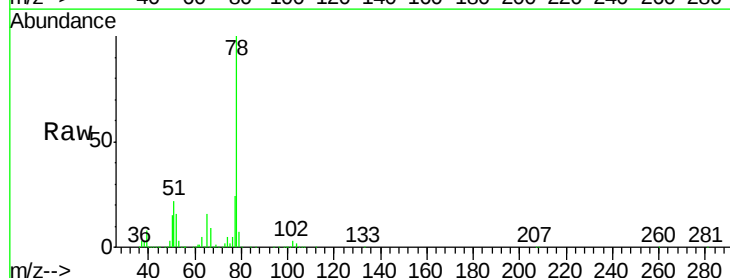
Manual Integrations
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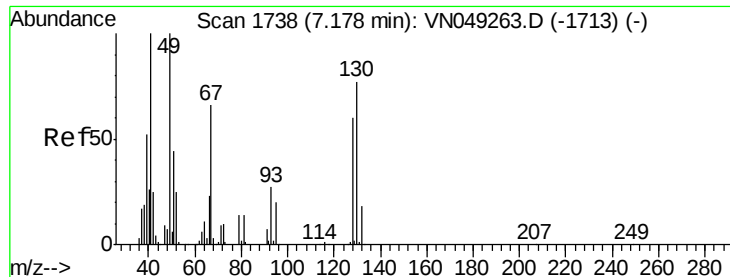
MMDadoda
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#40
Benzene
Concen: 53.50 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0





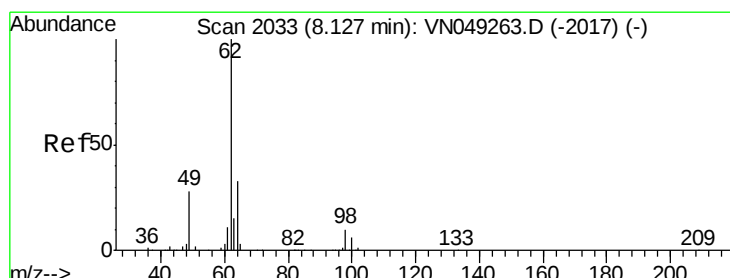
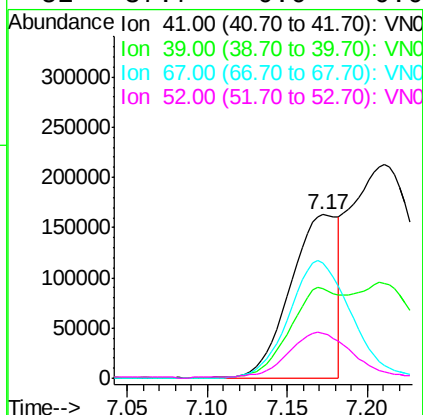
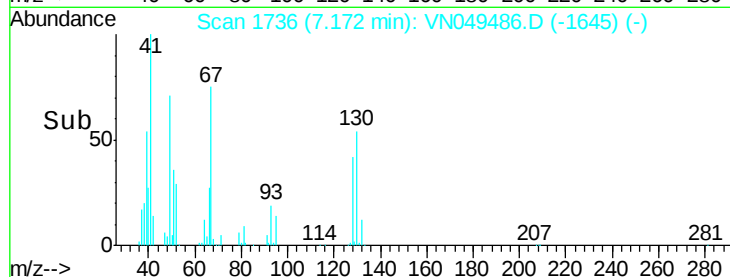
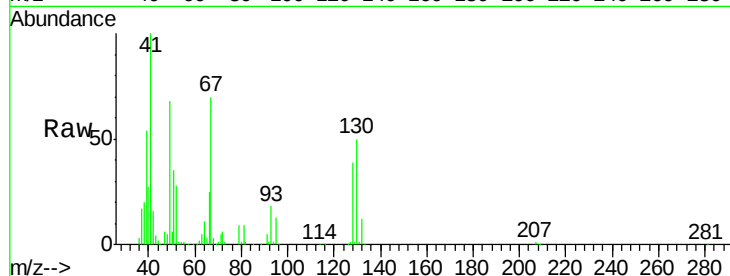
#41
Methacrylonitrile
Concen: 49.31 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Ratio	Lower	Upper
41	100			
39	59.5	0.0	0.0	#
67	96.0	0.0	0.0	#
52	37.7	0.0	0.0	#

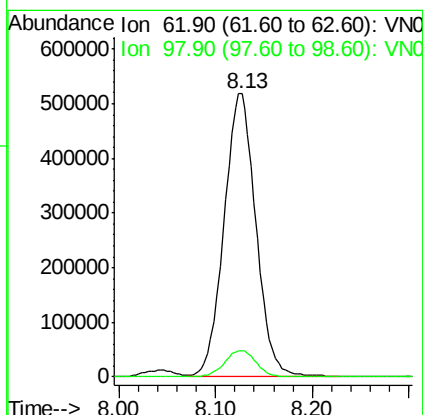
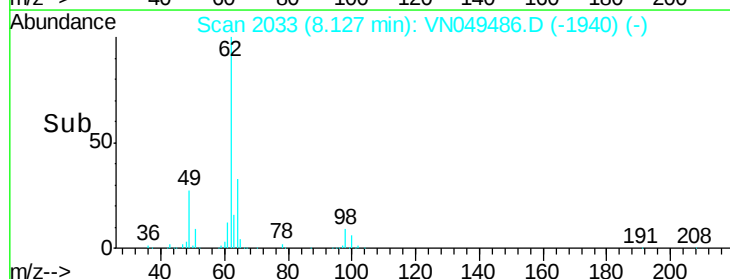
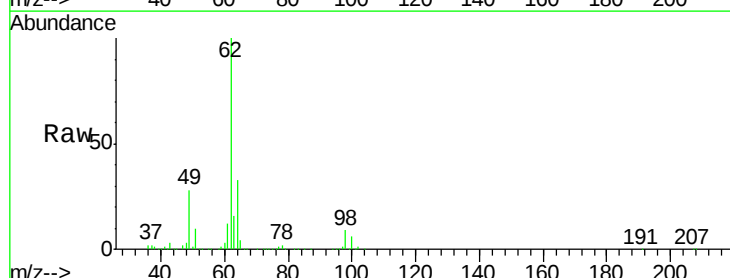
Manual Integrations
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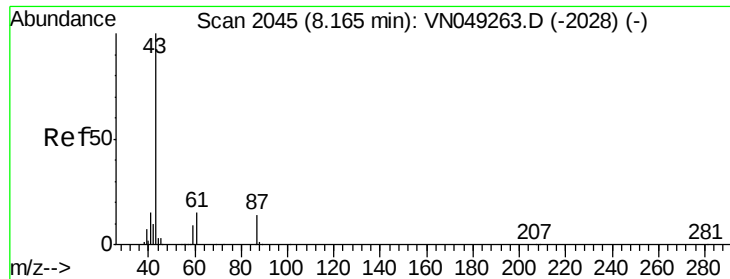
MMDadoda
6/25/2018 4:23:20 PM



#42
1,2-Dichloroethane
Concen: 53.59 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion	62	Ratio	Lower	Upper
62	100			
98	9.4	0.0	16.2	





#43

Isopropyl Acetate

Concen: 52.01 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1253416

Ion Ratio Lower Upper

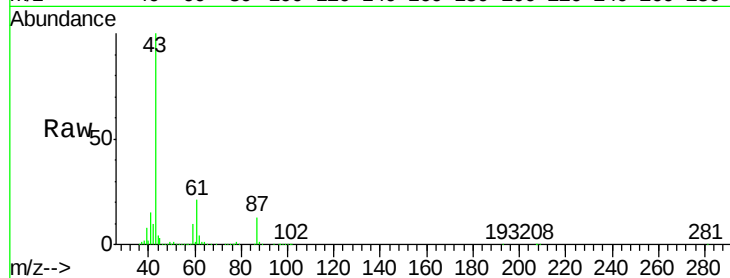
43 100

61 19.9 14.2 21.4

87 13.2 9.4 14.0

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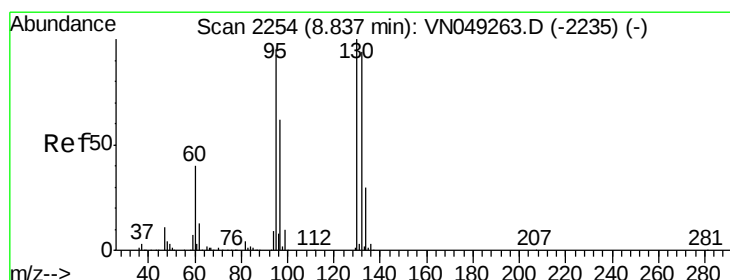
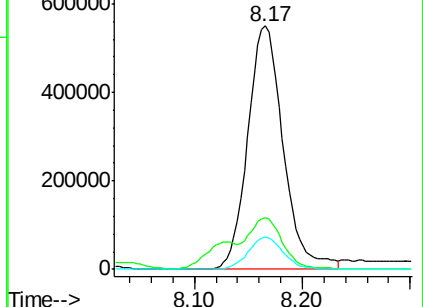
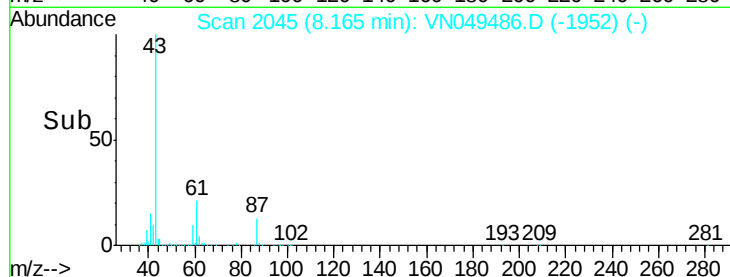


Abundance Ion 43.00 (42.70 to 43.70): VN049486.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049486.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049486.D (-1952) (-)

Time-->



#44

Trichloroethene

Concen: 55.89 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049486.D

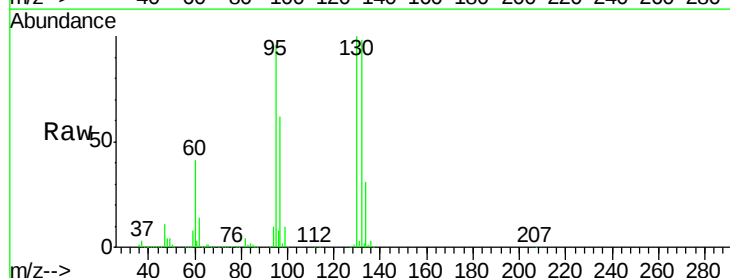
Acq: 22 Jun 2018 12:25

Tgt Ion: 130 Resp: 1049915

Ion Ratio Lower Upper

130 100

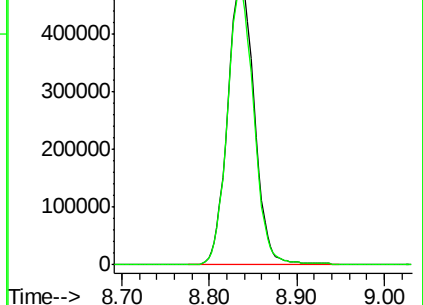
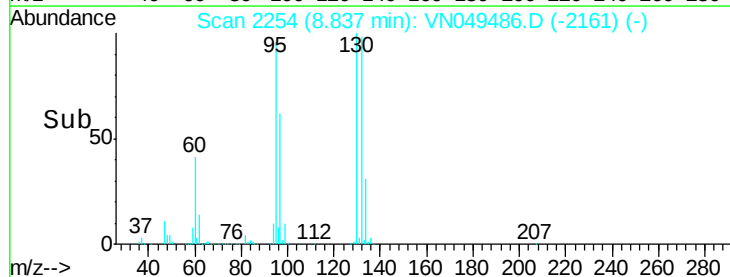
95 96.2 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): VN049486.D (-2161) (-)

Ion 94.90 (94.60 to 95.60): VN049486.D (-2161) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 54.05 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 1006747

Ion Ratio Lower Upper

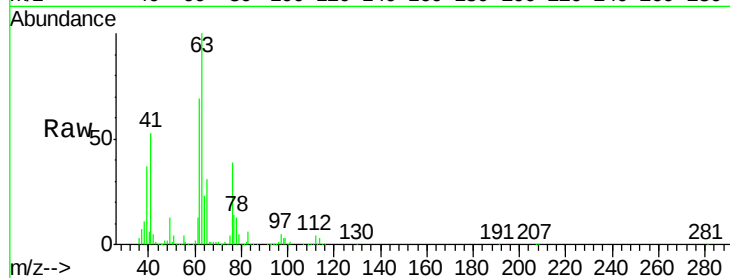
63 100

65 31.0 24.8 37.2

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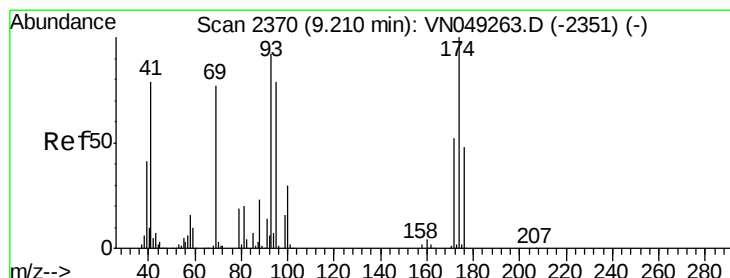
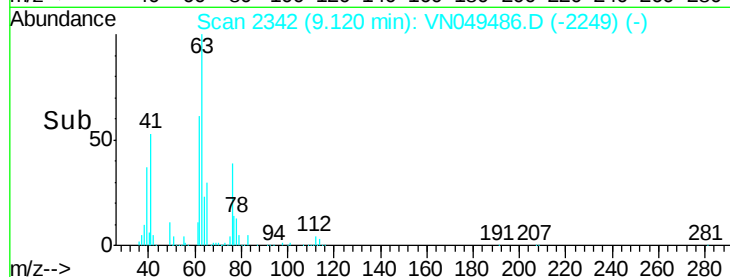
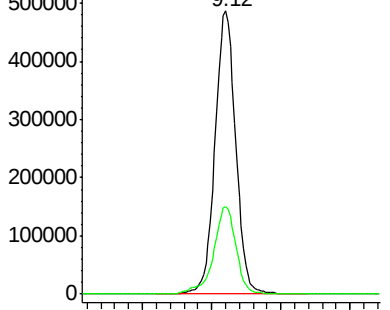
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Abundance Ion 62.90 (62.60 to 63.60): VN049486.D (-2249) (-)

Ion 64.90 (64.60 to 65.60): VN049486.D (-2249) (-)



#46

Dibromomethane

Concen: 53.94 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

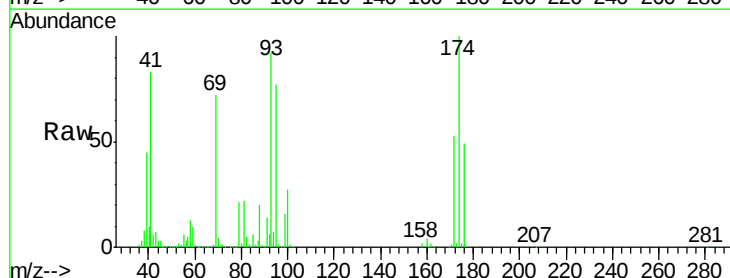
Tgt Ion: 93 Resp: 582599

Ion Ratio Lower Upper

93 100

95 83.4 67.2 100.8

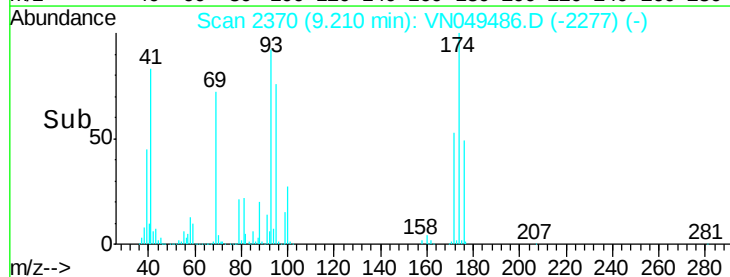
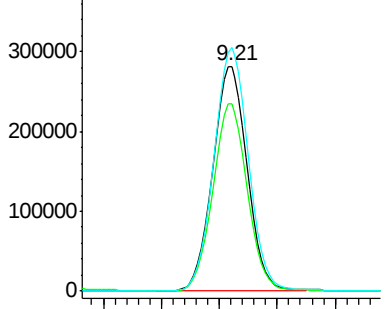
174 108.7 75.6 113.4

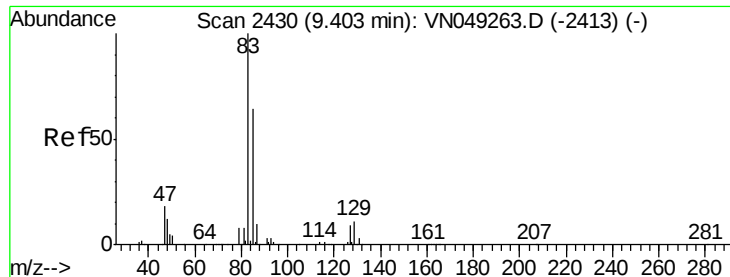


Abundance Ion 92.80 (92.50 to 93.50): VN049486.D (-2277) (-)

Ion 94.80 (94.50 to 95.50): VN049486.D (-2277) (-)

Ion 173.70 (173.40 to 174.40): VN049486.D (-2277) (-)





#47

Bromodichloromethane

Concen: 54.00 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 1281719

Ion Ratio Lower Upper

83 100

85 63.9 49.4 74.0

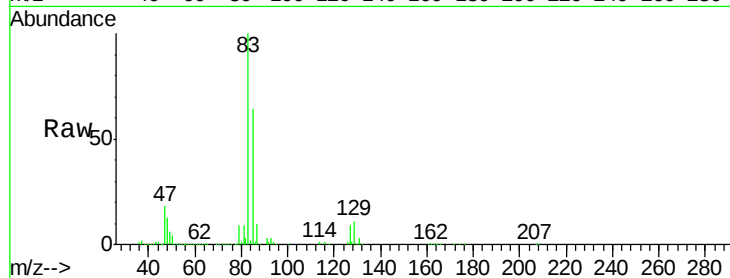
127 8.9 6.3 9.5

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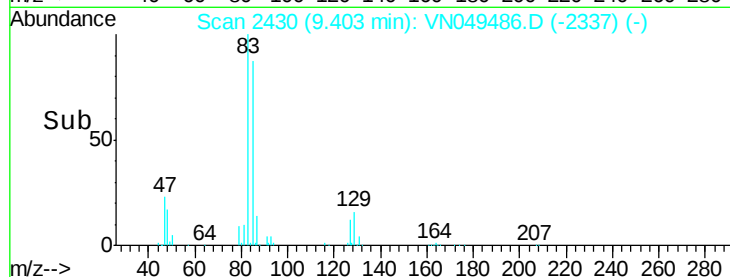


Abundance Ion 82.90 (82.60 to 83.60): VN049486.D (-2337) (-)

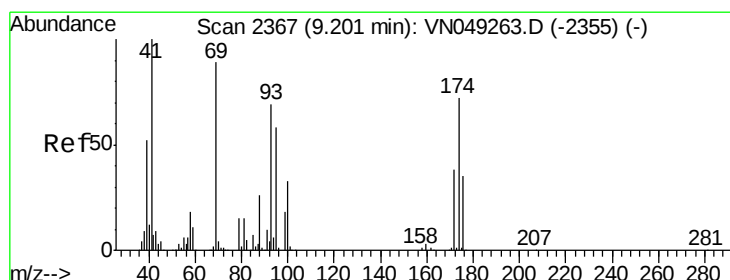
Ion 84.90 (84.60 to 85.60): VN049486.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049486.D (-2337) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 57.05 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

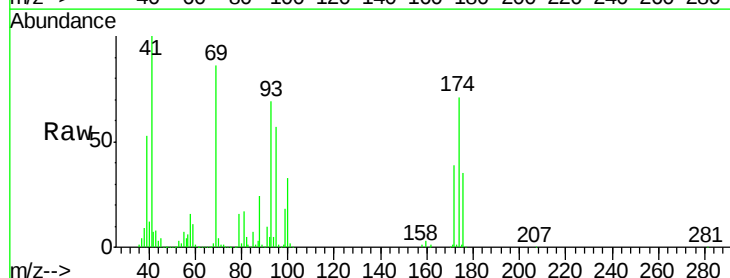
Tgt Ion: 41 Resp: 647451

Ion Ratio Lower Upper

41 100

69 88.0 62.0 93.0

39 53.9 50.6 75.8

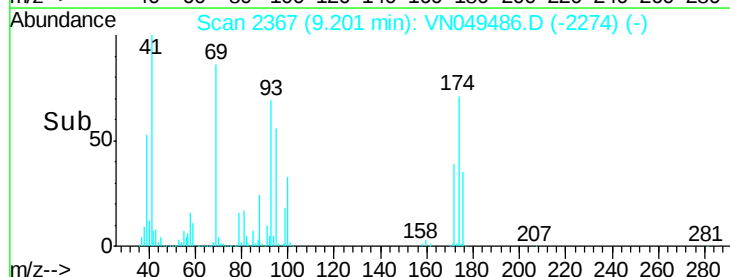


Abundance Ion 41.00 (40.70 to 41.70): VN049486.D (-2274) (-)

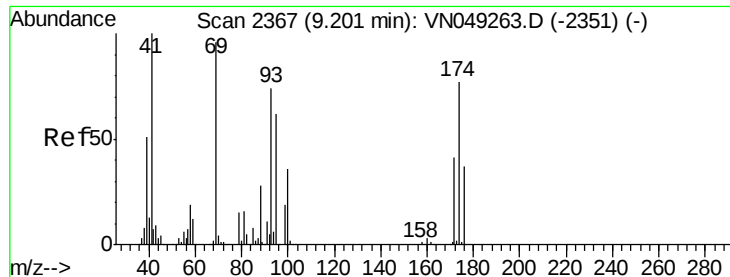
Ion 69.00 (68.70 to 69.70): VN049486.D (-2274) (-)

Ion 39.00 (38.70 to 39.70): VN049486.D (-2274) (-)

Time-->



Time-->



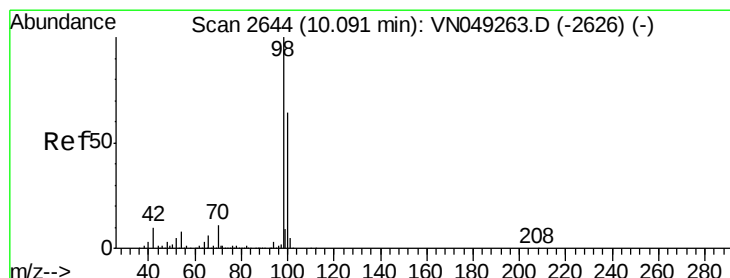
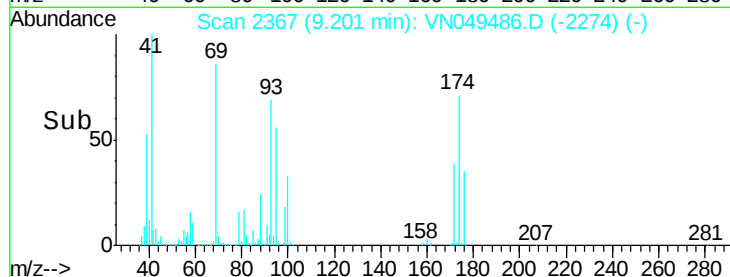
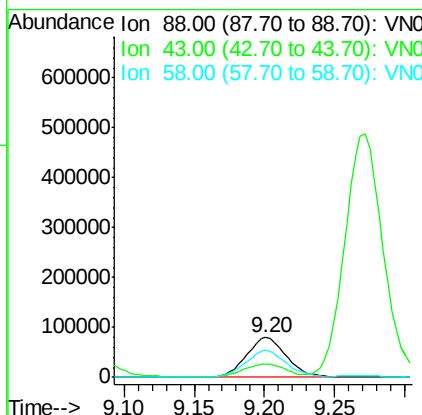
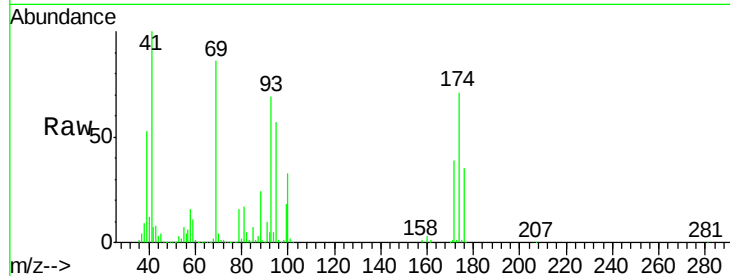
#49
1,4-Dioxane
Concen: 1020.81 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	30.9	46.3
58	69.1	58.9	88.3

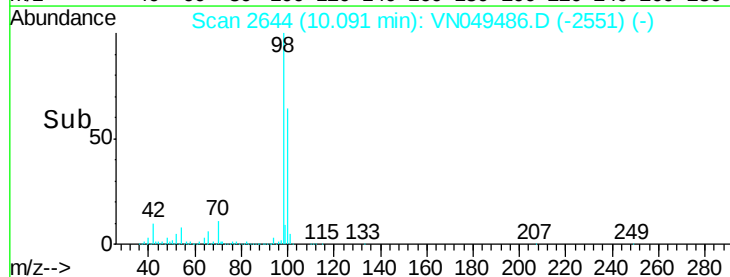
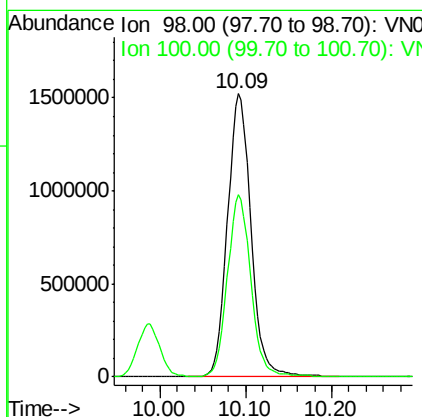
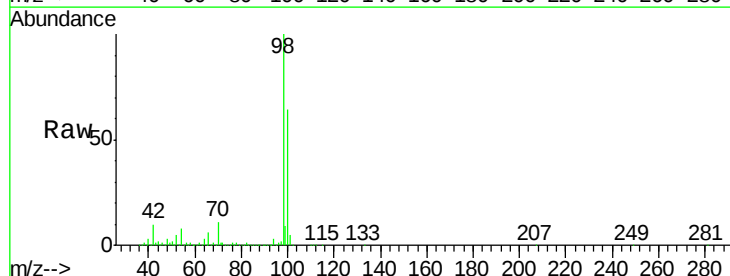
Manual Integrations
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#50
Toluene-d8
Concen: 46.36 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	49.8	74.8





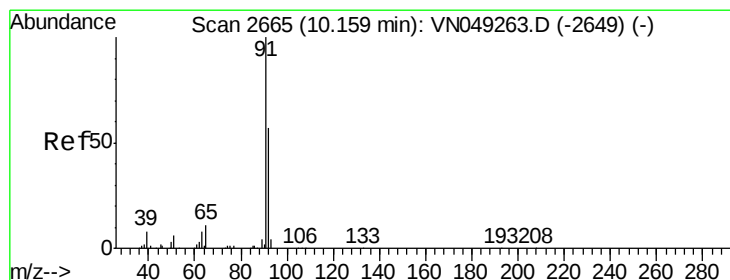
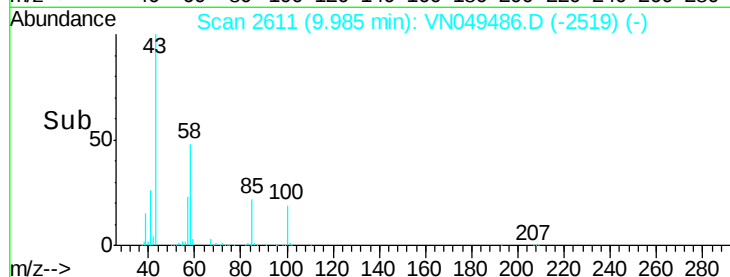
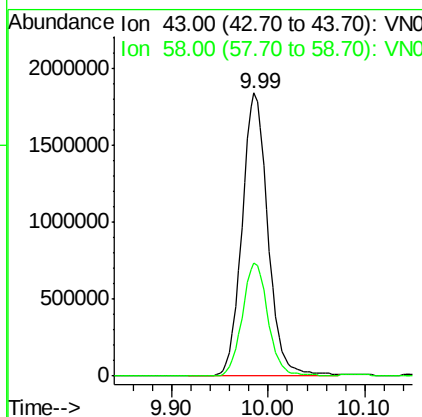
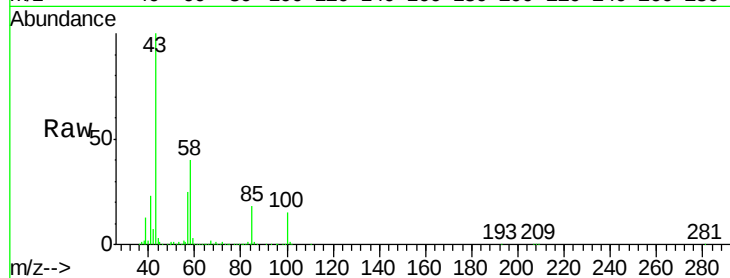
#51
4-Methyl-2-Pentanone
Concen: 270.97 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 3422811
Ion Ratio Lower Upper
43 100
58 39.8 29.0 43.6

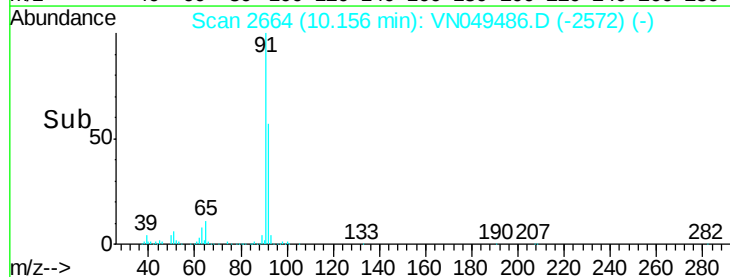
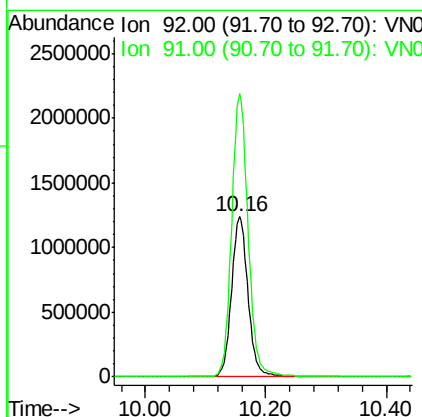
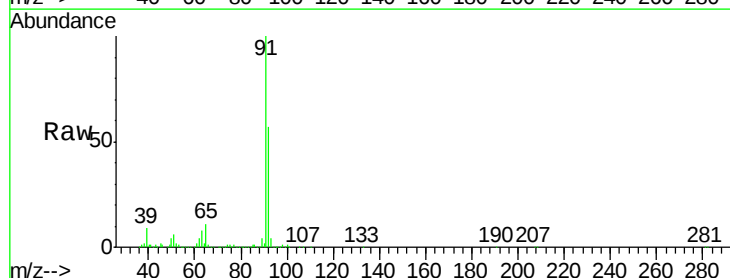
Manual Integrations
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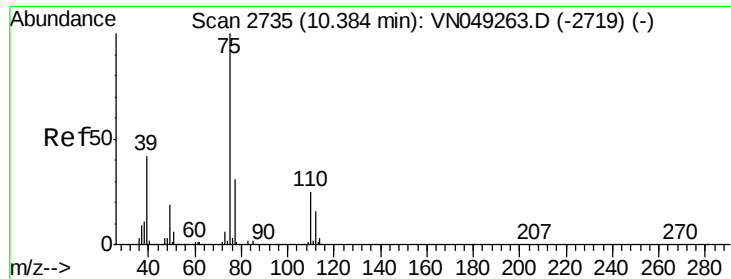
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#52
Toluene
Concen: 56.65 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 92 Resp: 2365096
Ion Ratio Lower Upper
92 100
91 176.6 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 55.20 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 1253316

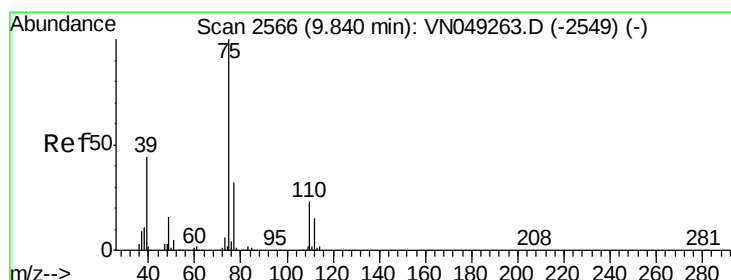
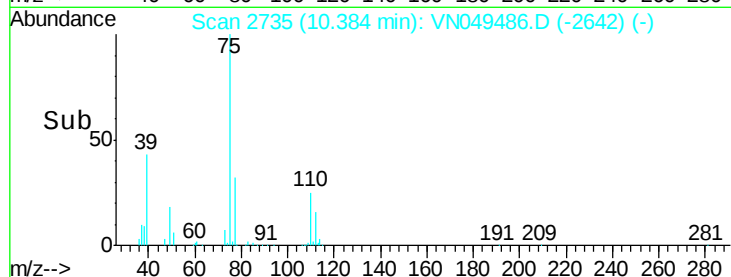
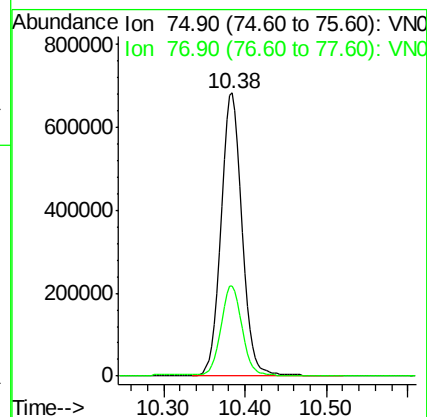
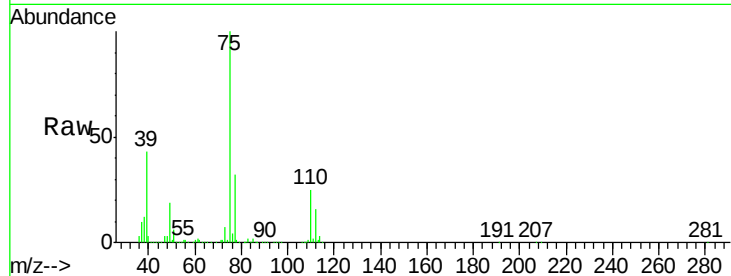
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 55.05 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

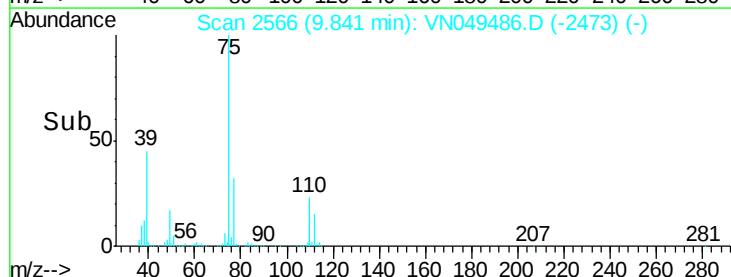
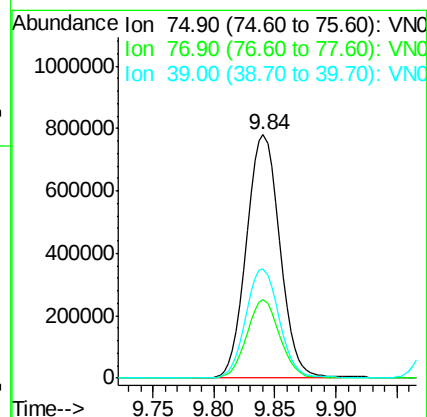
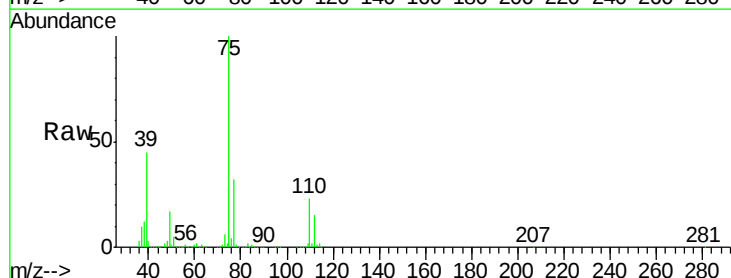
Tgt Ion: 75 Resp: 1475839

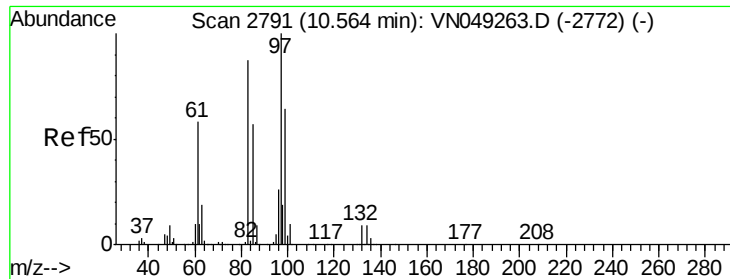
Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 44.8 45.1 67.7#





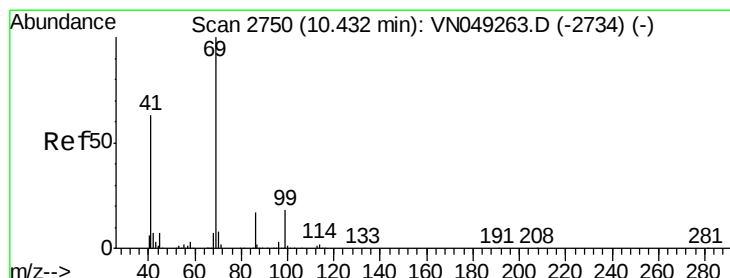
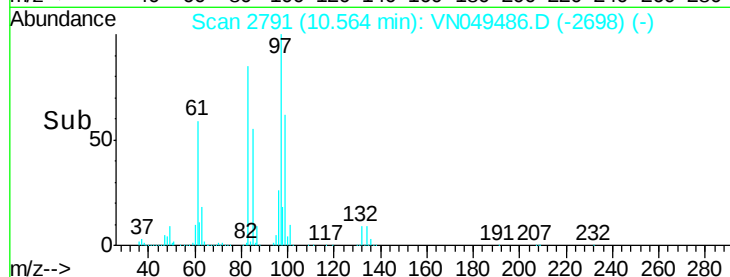
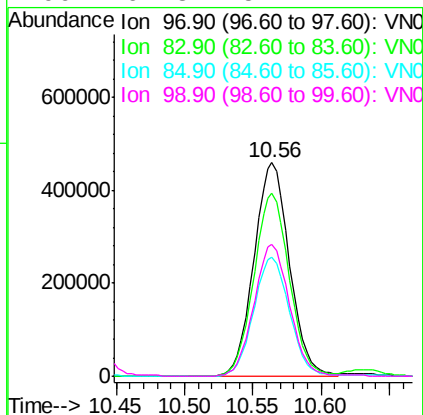
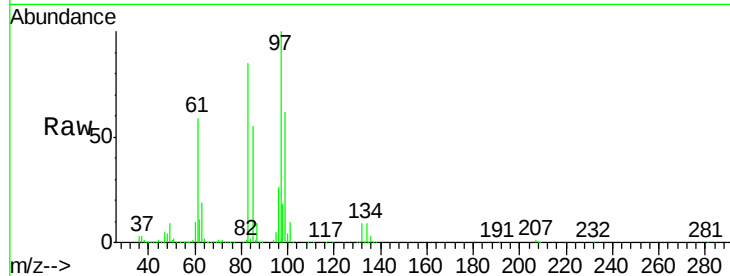
#55
 1,1,2-Trichloroethane
 Concen: 53.35 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	830396
Ion	Ratio	Lower	Upper
97	100		
83	85.4	71.5	107.3
85	55.5	47.0	70.4
99	61.8	51.4	77.2

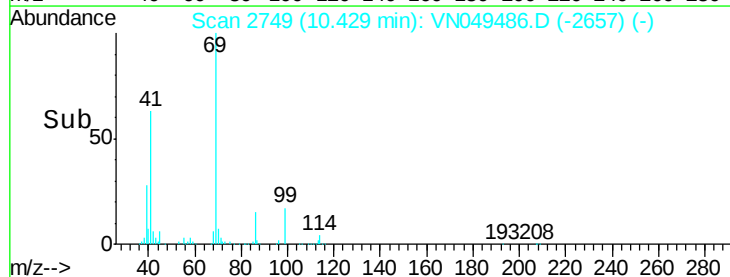
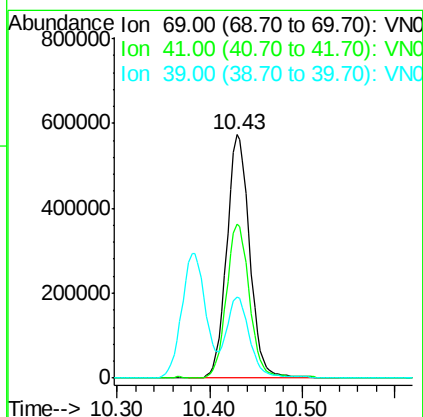
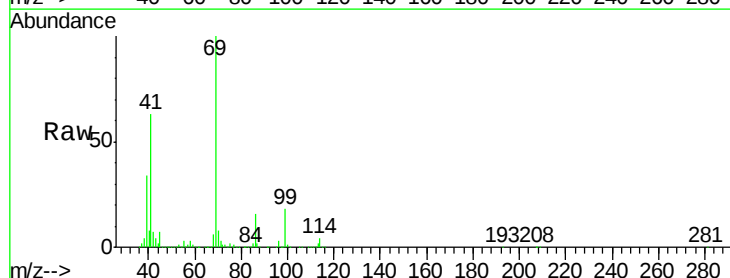
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 54.84 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion:	69	Resp:	984742
Ion	Ratio	Lower	Upper
69	100		
41	62.9	58.4	87.6
39	32.7	35.5	53.3#





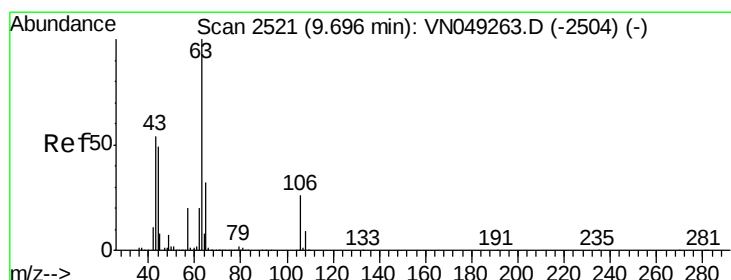
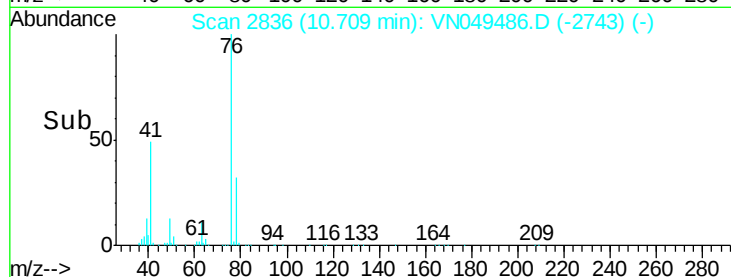
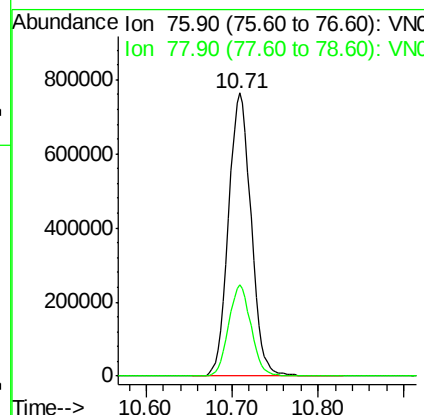
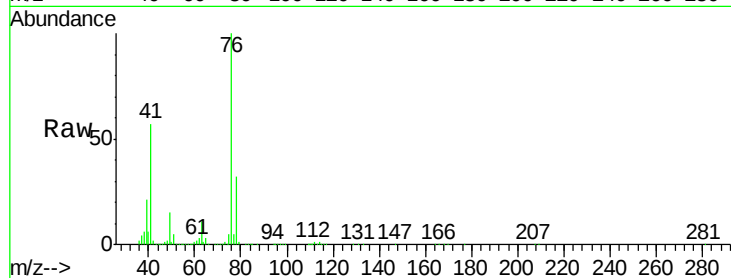
#57
 1,3-Dichloropropane
 Concen: 54.15 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 1396165
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5

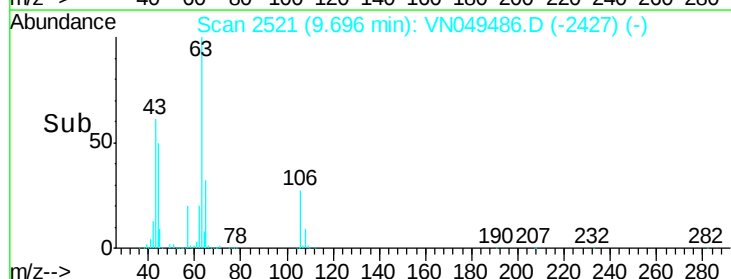
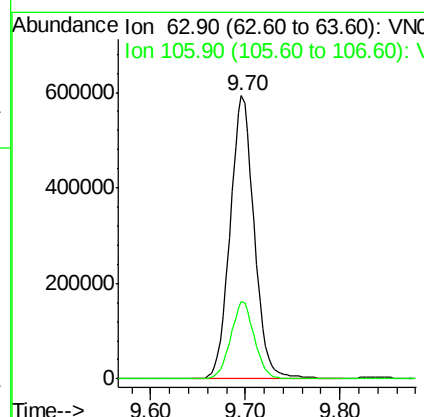
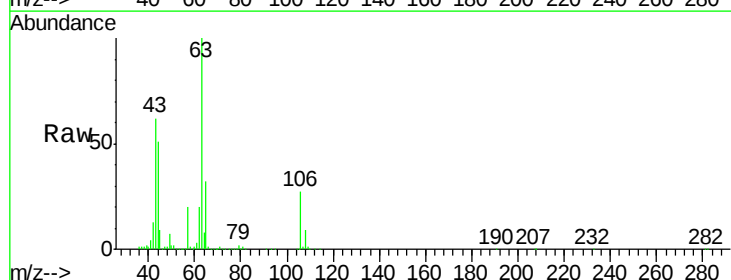
Manual Integrations
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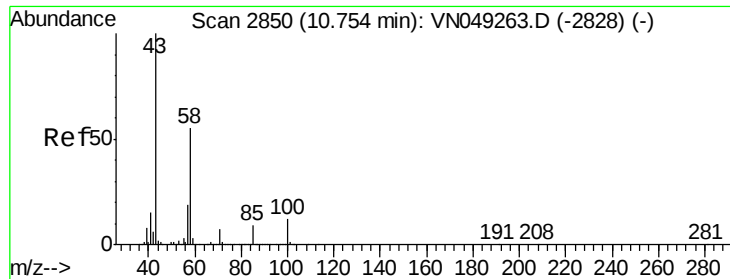
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 6/25/2018 4:23:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 168.90 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion: 63 Resp: 1052598
 Ion Ratio Lower Upper
 63 100
 106 26.8 19.4 29.2





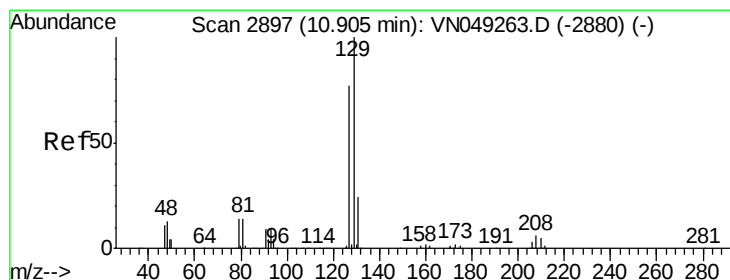
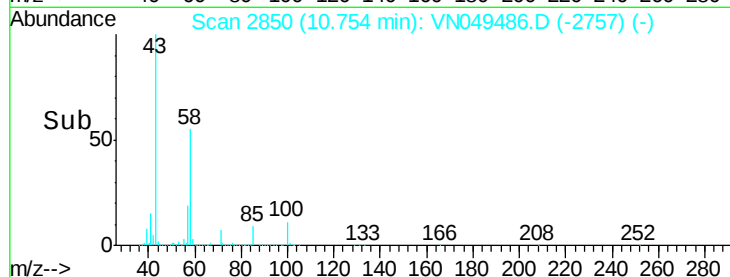
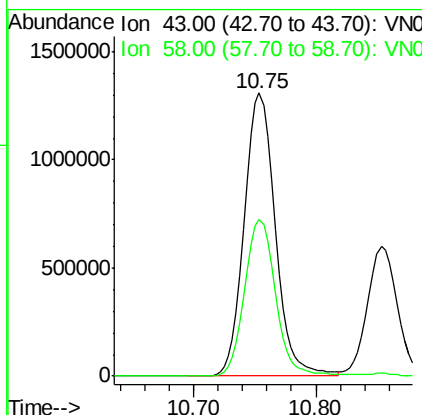
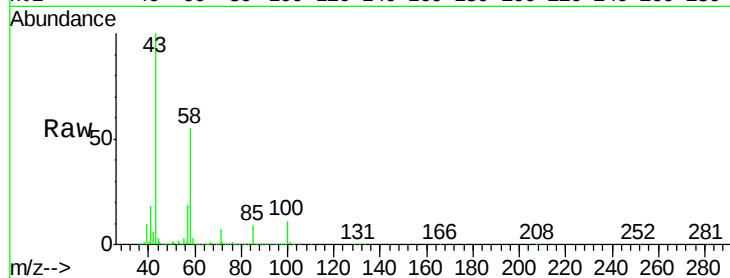
#59
2-Hexanone
Concen: 281.01 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2288451
Ion Ratio Lower Upper
43 100
58 55.3 25.2 75.6

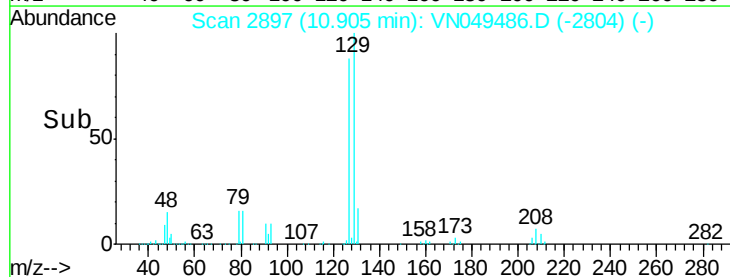
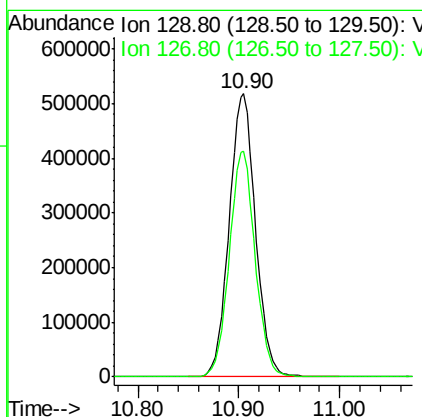
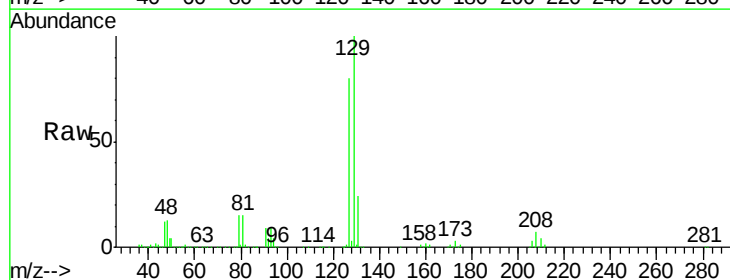
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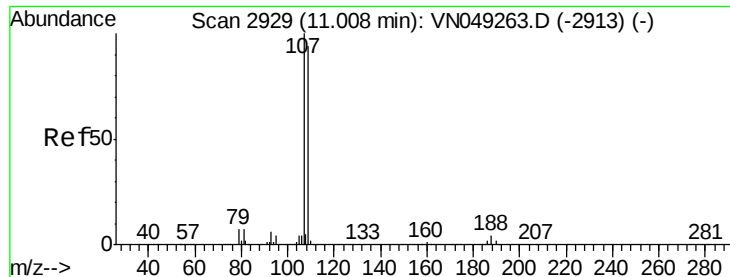
MMDadoda
6/25/2018 4:23:20 PM



#60
Dibromochloromethane
Concen: 54.31 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 129 Resp: 943510
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 55.04 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 796239

Ion Ratio Lower Upper

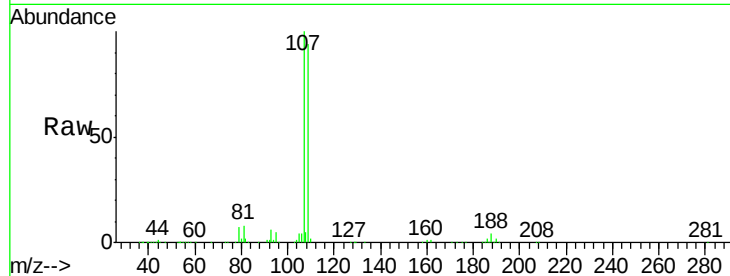
107 100

109 94.0 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

400000

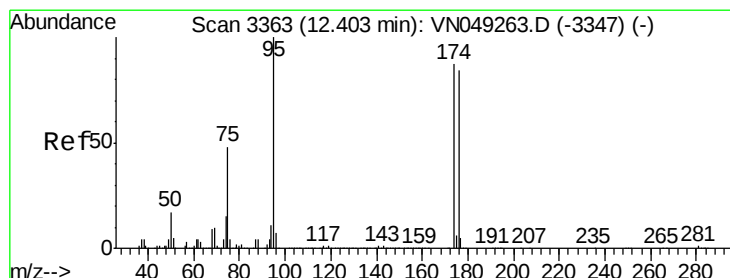
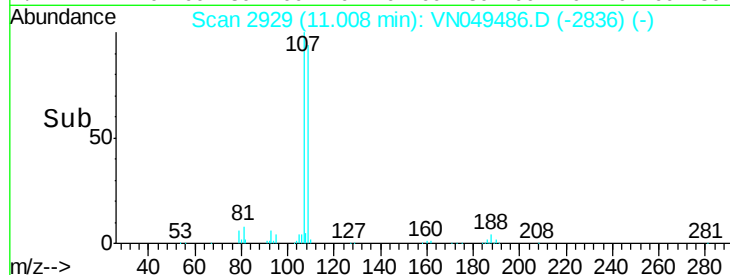
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

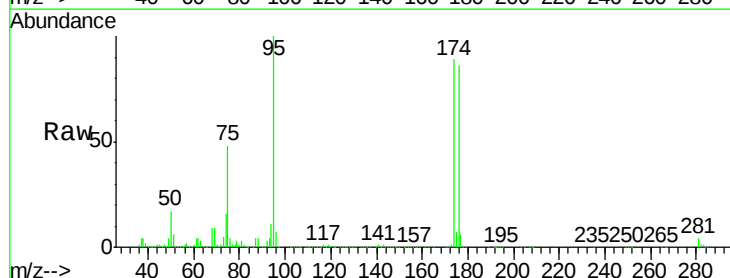
Tgt Ion: 95 Resp: 1018120

Ion Ratio Lower Upper

95 100

174 88.2 0.0 165.6

176 85.5 0.0 157.4



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

800000

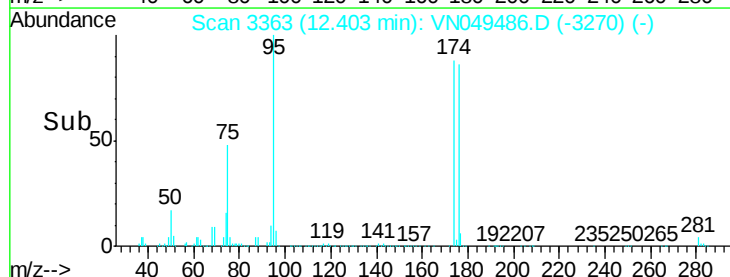
600000

400000

200000

0

Time-->





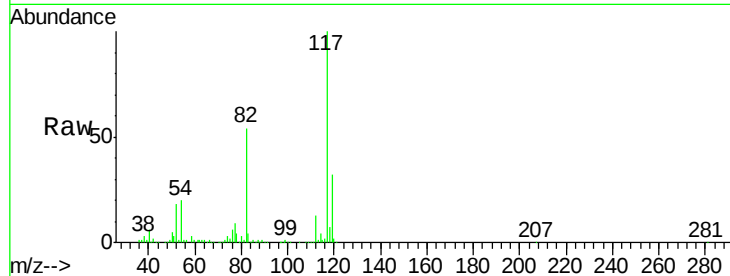
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

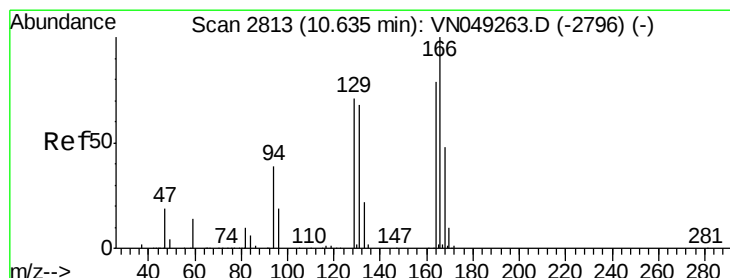
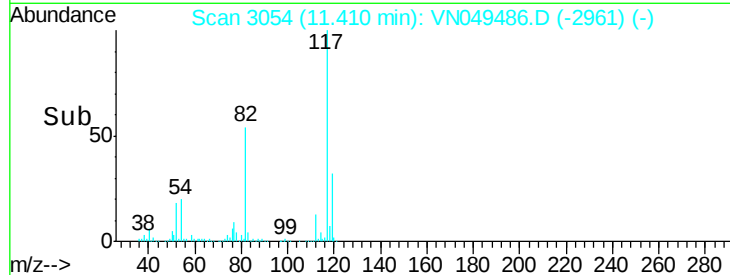
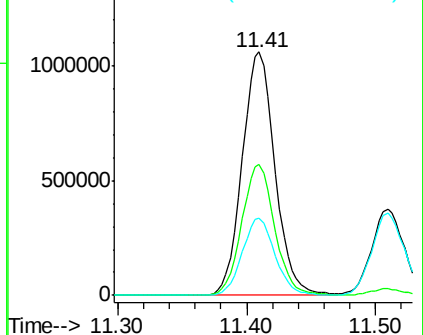
Tot Ion:117 Resp: 1880572
Ion Ratio Lower Upper
117 100
82 54.0 45.9 68.9
119 31.6 25.5 38.3

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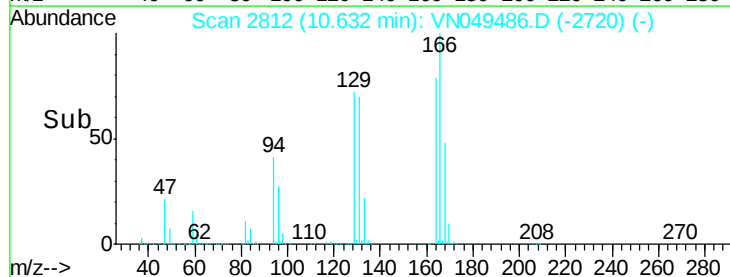
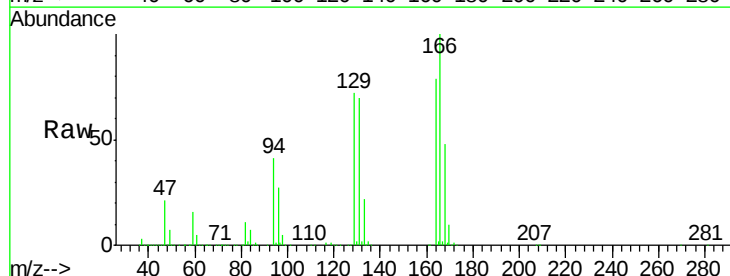
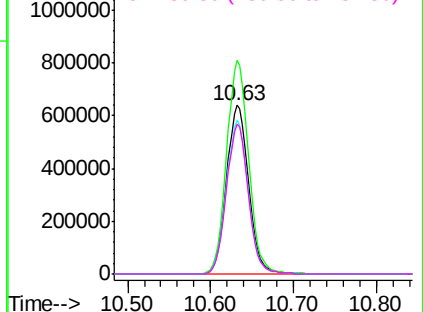
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 61.09 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion:164 Resp: 1177229
Ion Ratio Lower Upper
164 100
166 126.7 101.4 152.2
129 91.0 74.1 111.1
131 89.2 73.7 110.5

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 52.87 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 2561349

Ion Ratio Lower Upper

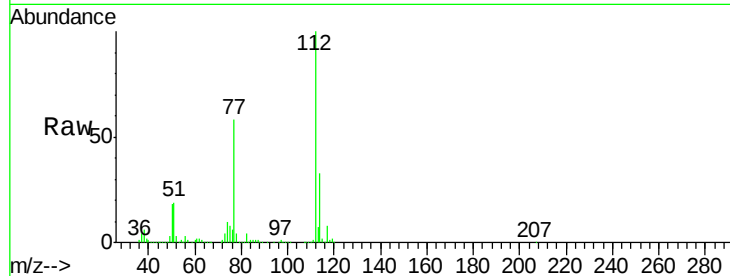
112 100

114 32.6 26.2 39.4

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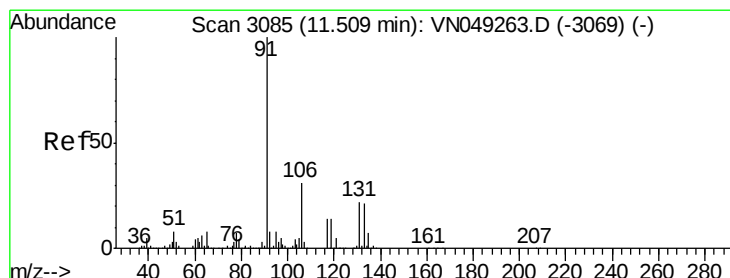
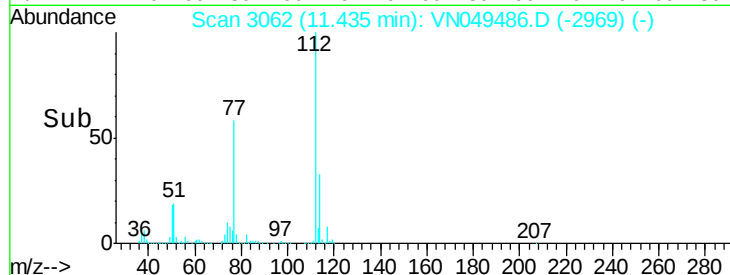
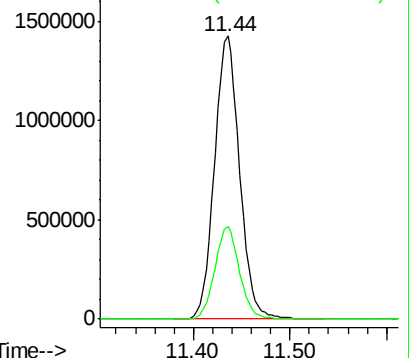
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.59 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

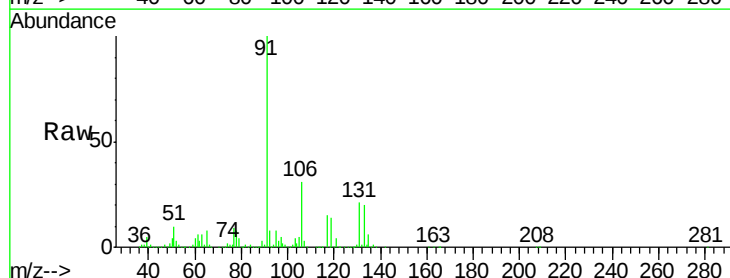
Tgt Ion:131 Resp: 958828

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

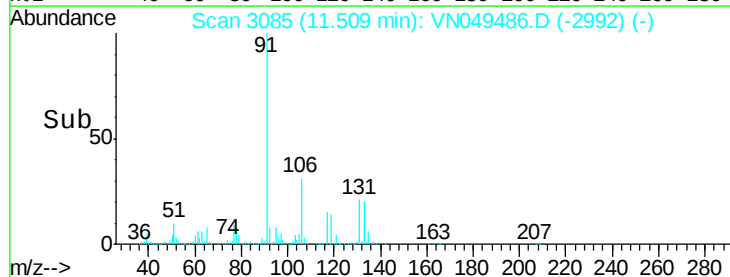
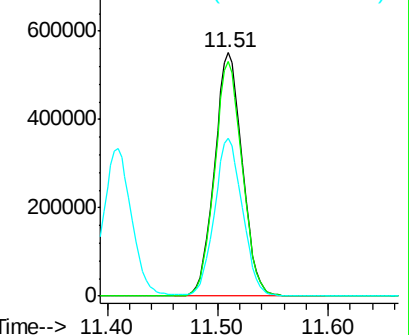
119 65.7 33.6 100.8

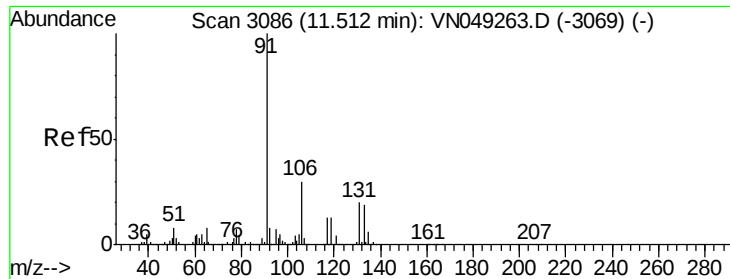


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





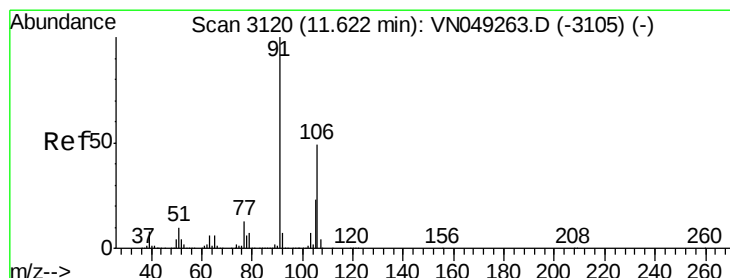
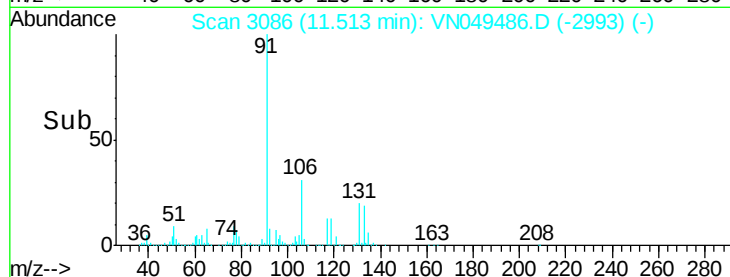
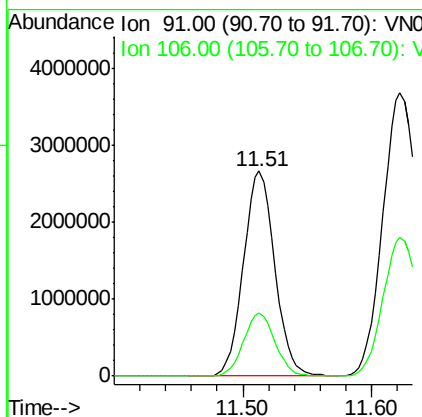
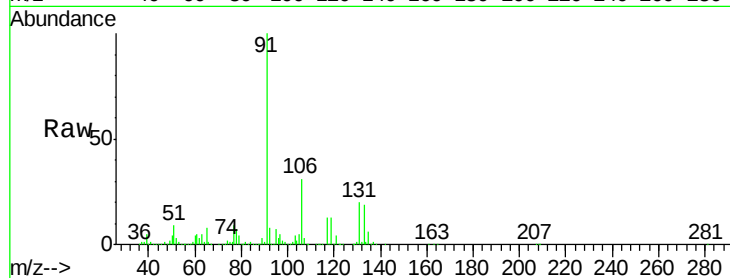
#67
Ethyl Benzene
Concen: 56.26 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 4520423
Ion Ratio Lower Upper
91 100
106 30.7 23.9 35.9

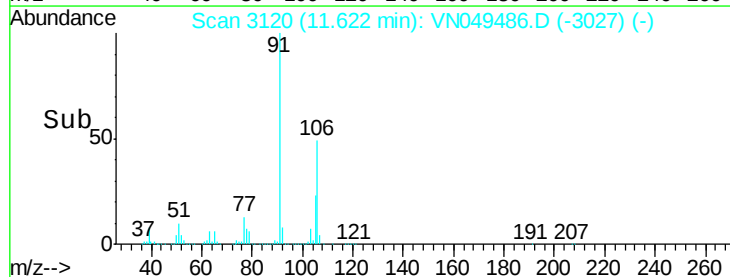
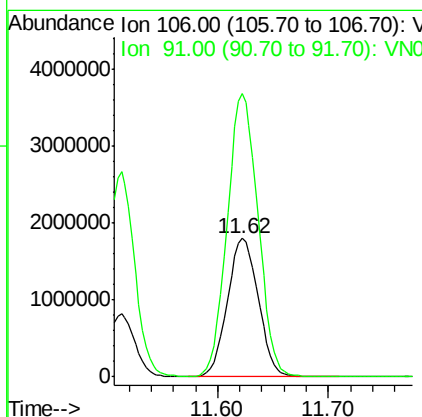
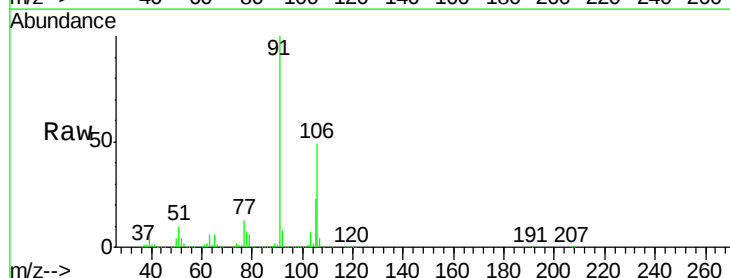
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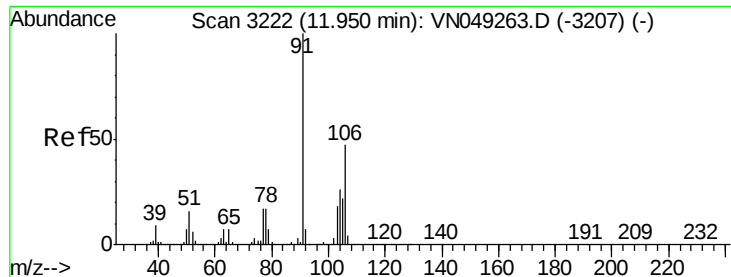
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#68
m/p-Xylenes
Concen: 115.92 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion: 106 Resp: 3495864
Ion Ratio Lower Upper
106 100
91 204.4 167.3 250.9





#69

o-Xylene

Concen: 56.98 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:106 Resp: 1654936

Ion Ratio Lower Upper

106 100

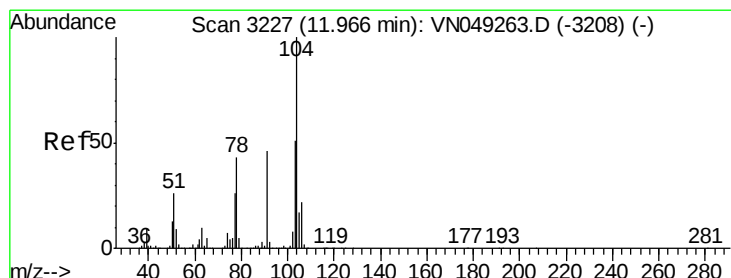
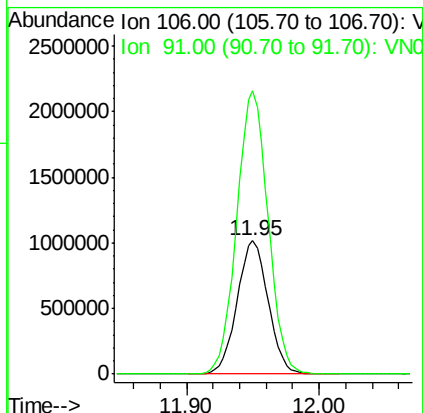
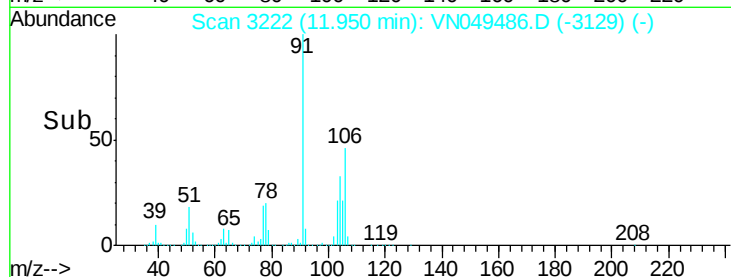
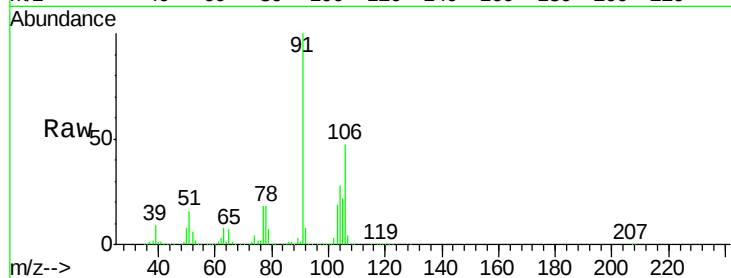
91 213.9 111.0 333.0

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#70

Styrene

Concen: 58.29 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

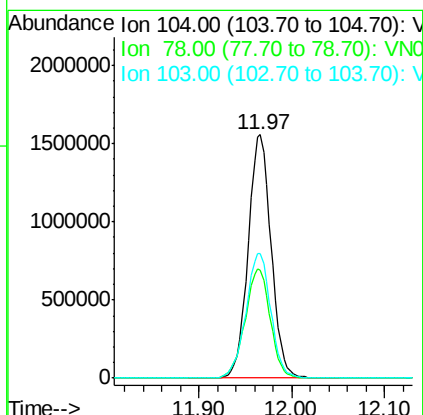
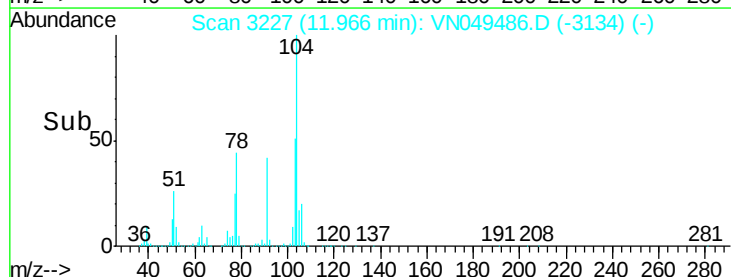
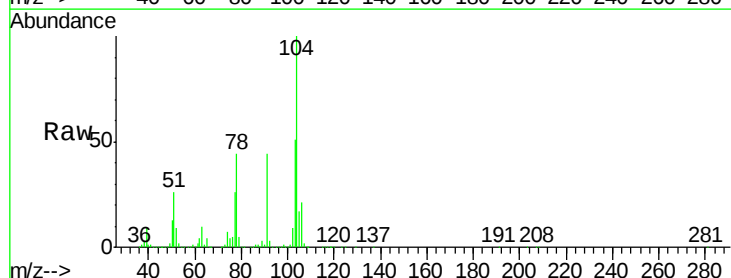
Tgt Ion:104 Resp: 2670956

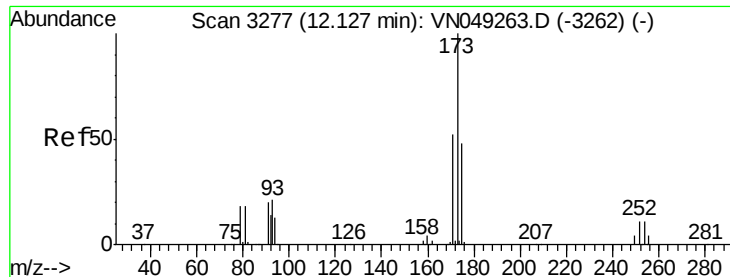
Ion Ratio Lower Upper

104 100

78 49.3 41.6 62.4

103 55.8 45.4 68.2





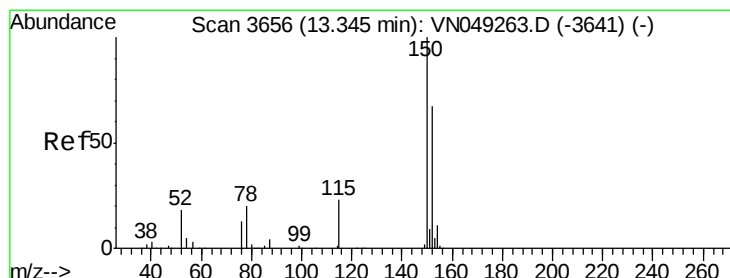
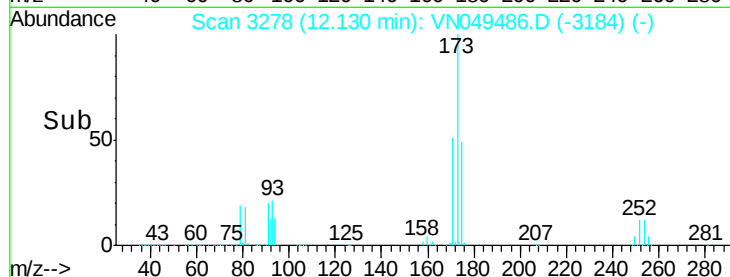
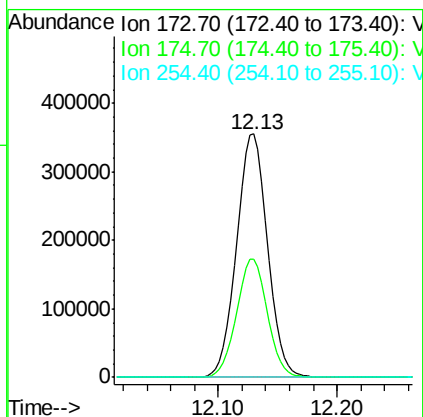
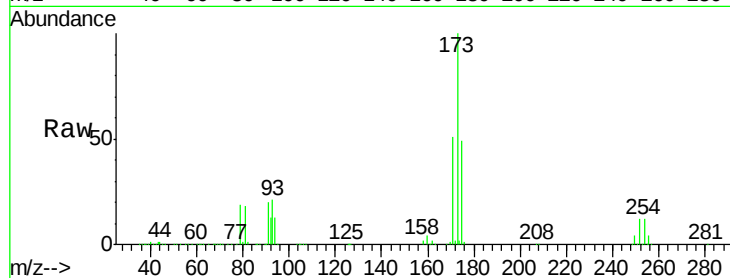
#71
Bromoform
Concen: 54.12 ug/l
RT: 12.13 min Scan# 3278
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.5	73.5
254	0.2	0.1	0.1#

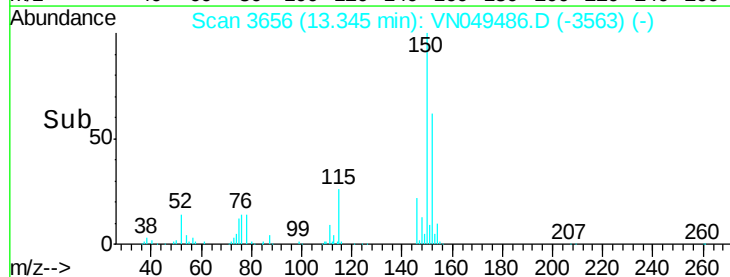
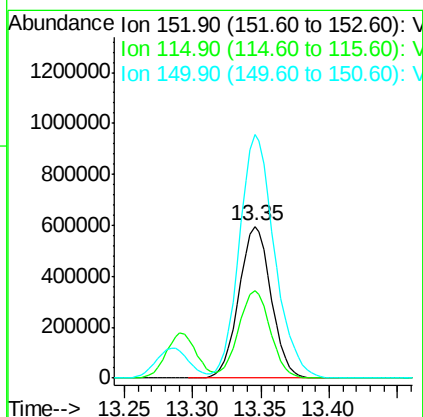
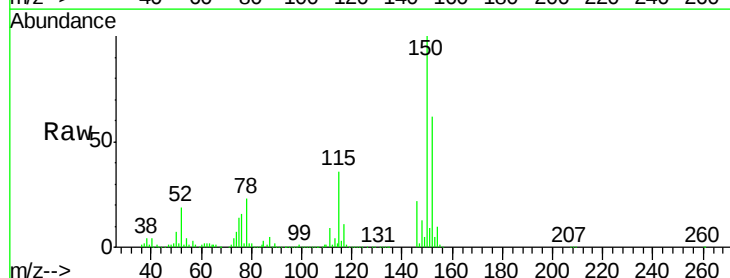
Manual Integrations
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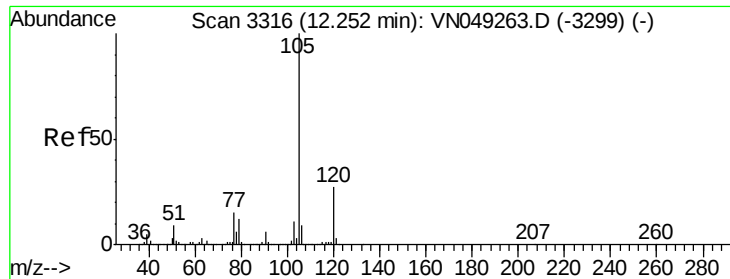
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.7	86.1
150	176.4	0.0	351.0





#73

Isopropylbenzene

Concen: 52.20 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4461819

Ion Ratio Lower Upper

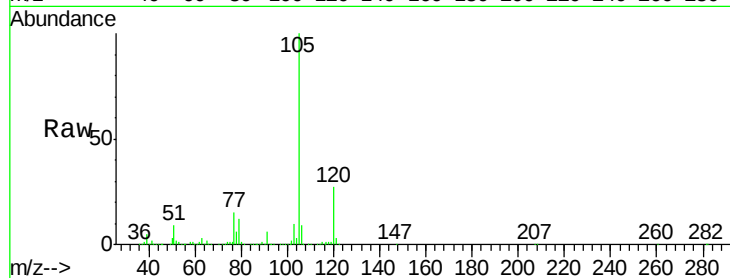
105 100

120 26.5 12.8 38.3

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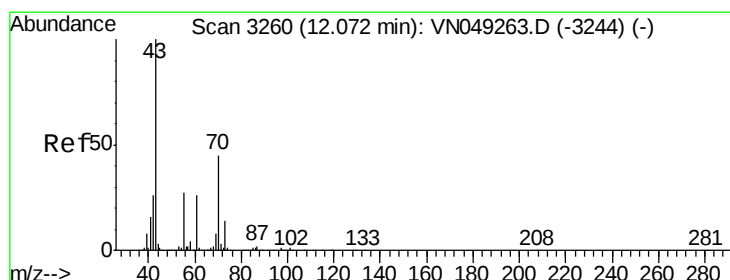
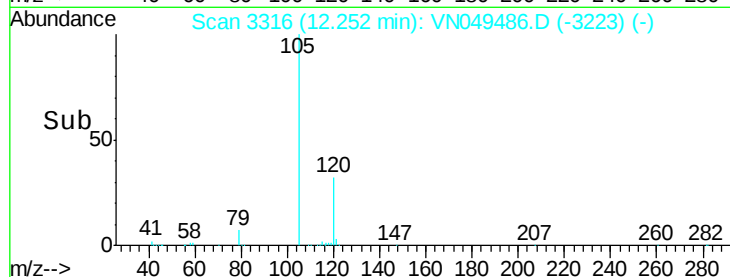
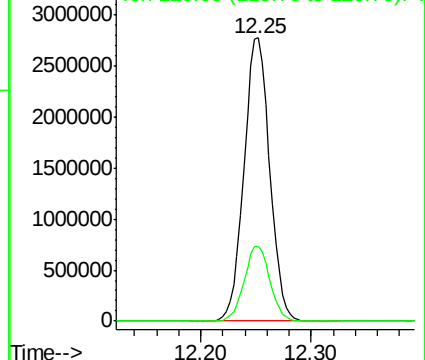
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.90 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Tgt Ion: 43 Resp: 1044676

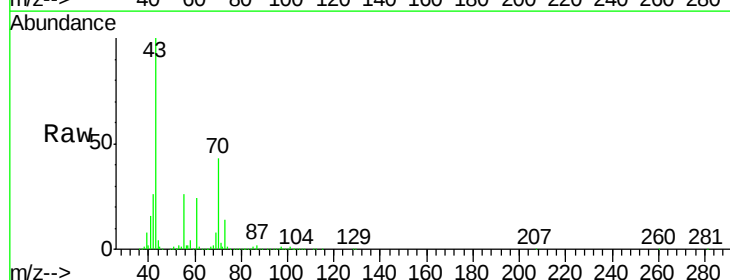
Ion Ratio Lower Upper

43 100

70 43.3 30.3 45.5

55 26.4 19.4 29.2

61 24.6 17.8 26.6

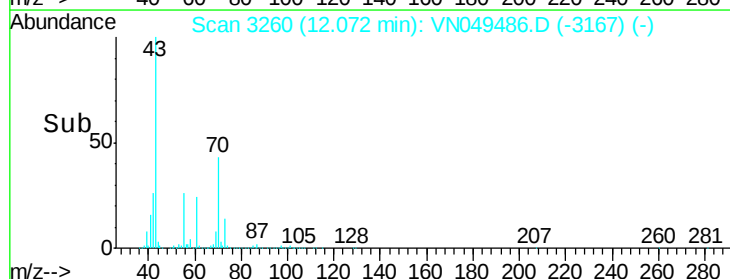
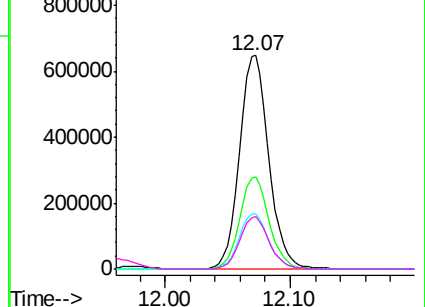


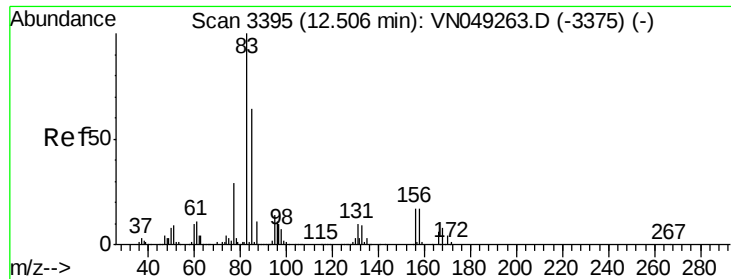
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.12 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

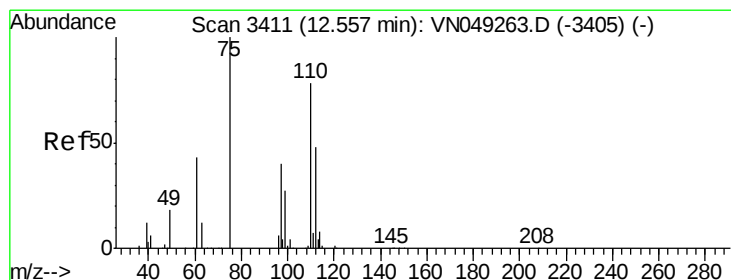
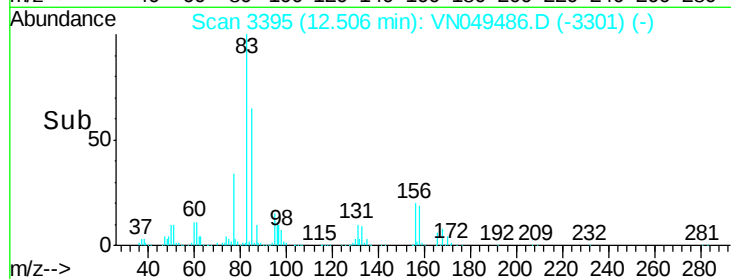
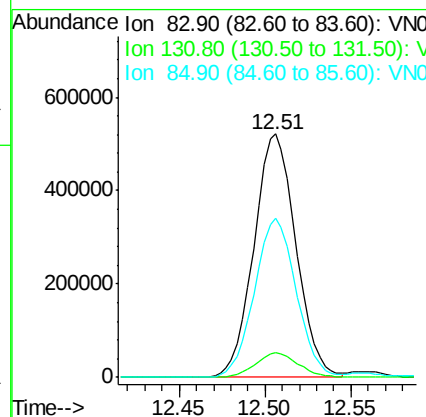
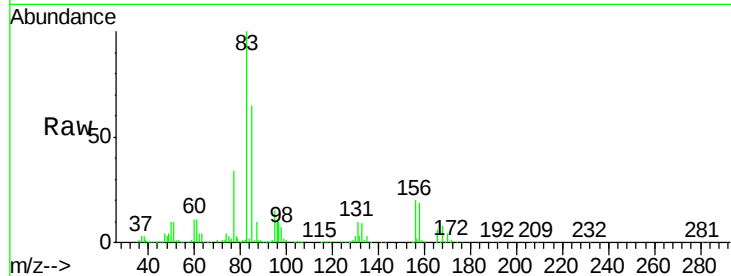
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	881221
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	65.1	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.59 ug/l m

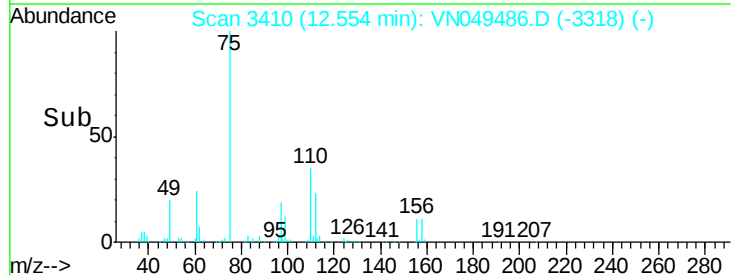
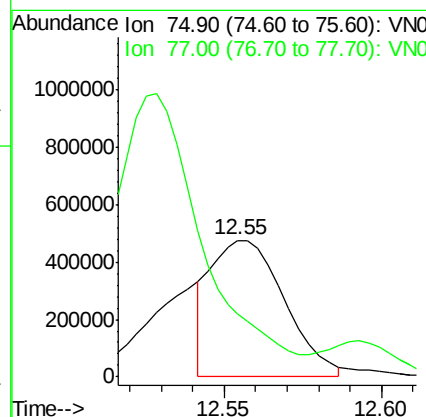
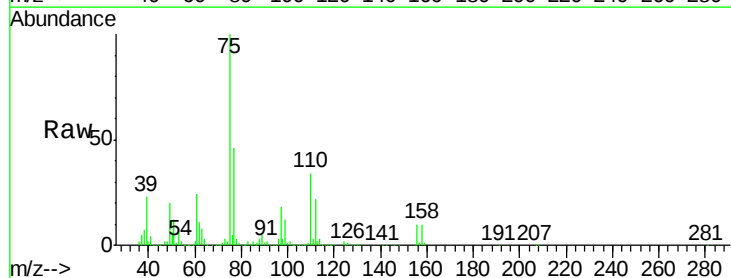
RT: 12.55 min Scan# 3410

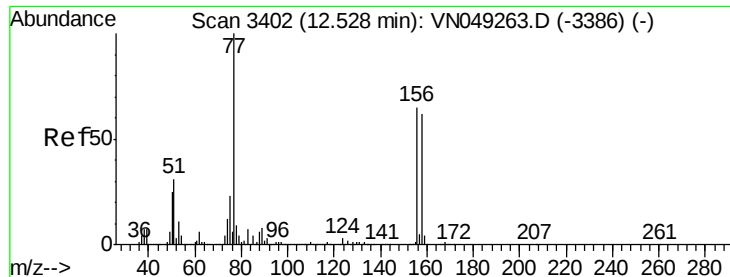
Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Tgt Ion:	75	Resp:	773834
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.10 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 1108452

Ion Ratio Lower Upper

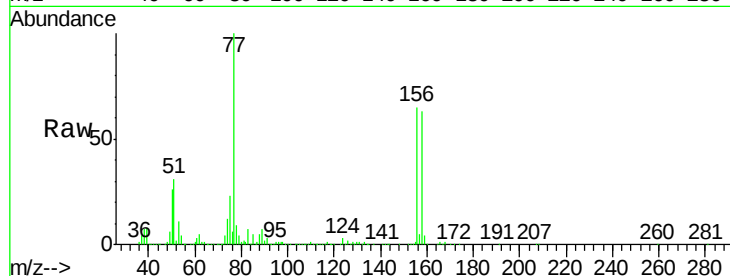
156 100

77 178.8 100.8 302.4

158 96.9 49.3 147.9

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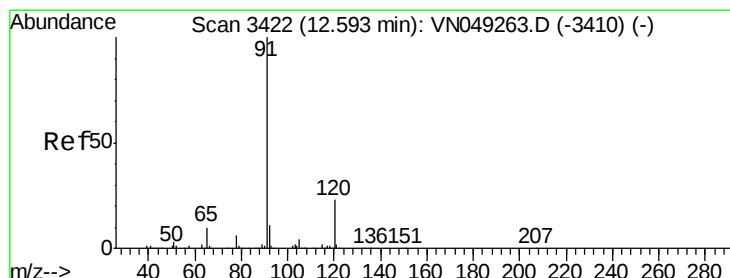
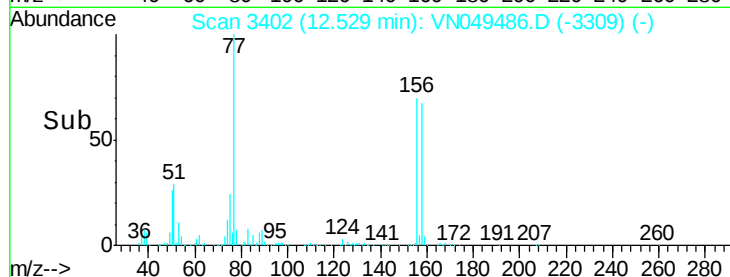
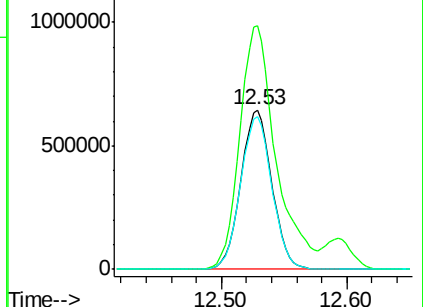
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.51 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049486.D

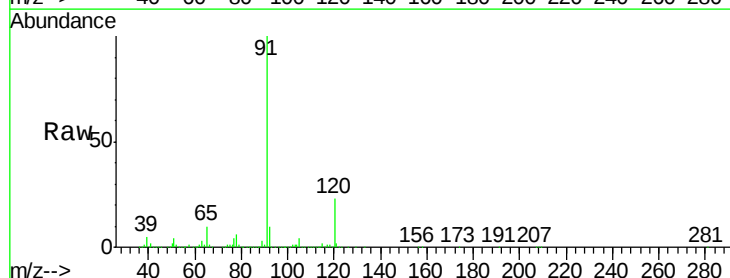
Acq: 22 Jun 2018 12:25

Tgt Ion: 91 Resp: 5115854

Ion Ratio Lower Upper

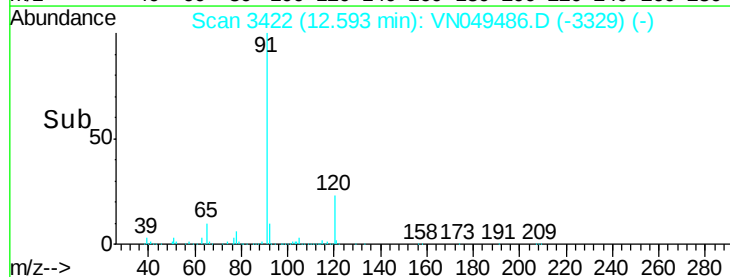
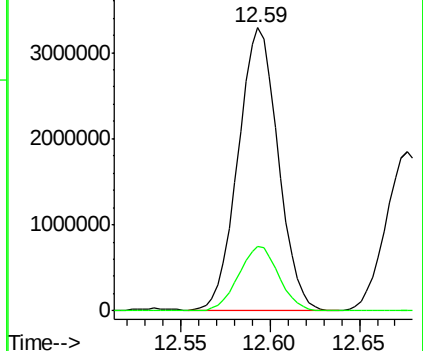
91 100

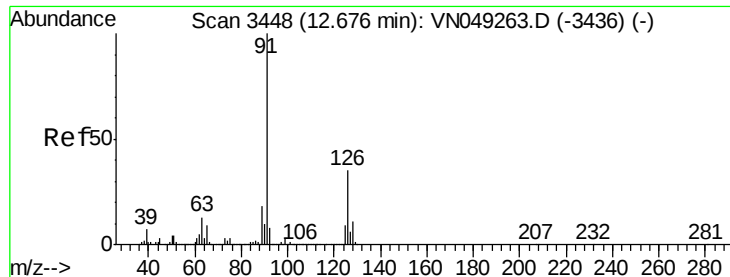
120 22.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.98 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 3031417

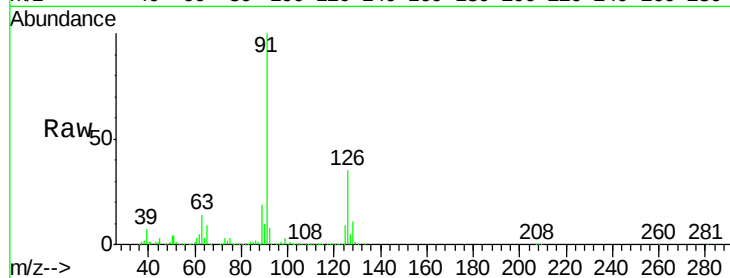
Ion Ratio Lower Upper

91 100

126 34.9 16.6 49.8

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Abundance Ion 91.00 (90.70 to 91.70): VN049486.D (-3355) (-)

Ion 125.90 (125.60 to 126.60): VN049486.D (-3355) (-)

2500000

2000000

1500000

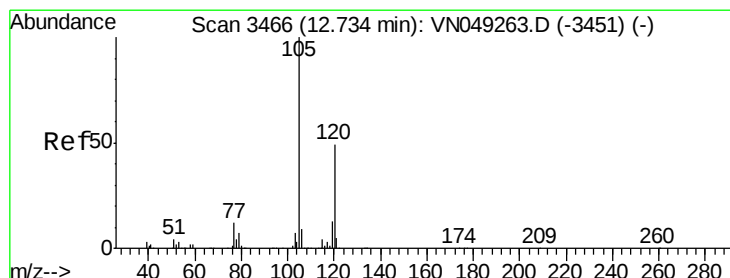
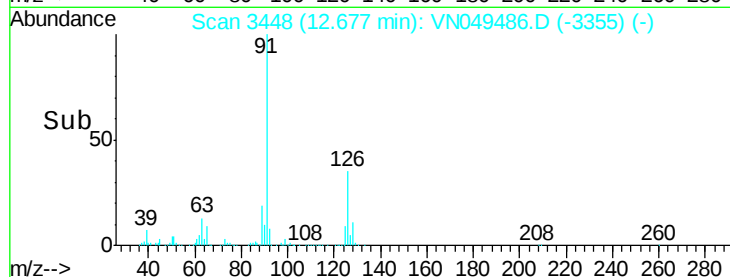
1000000

500000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.54 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049486.D

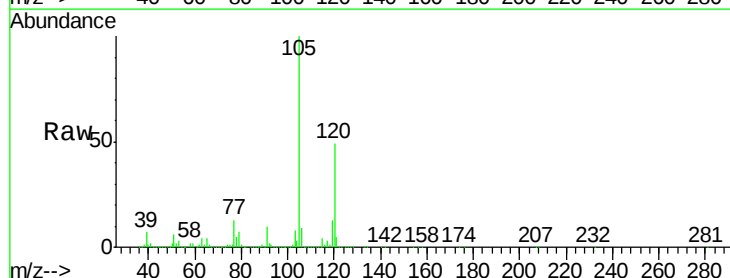
Acq: 22 Jun 2018 12:25

Tgt Ion: 105 Resp: 3663980

Ion Ratio Lower Upper

105 100

120 48.7 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049486.D (-3373) (-)

Ion 120.00 (119.70 to 120.70): VN049486.D (-3373) (-)

2500000

2000000

1500000

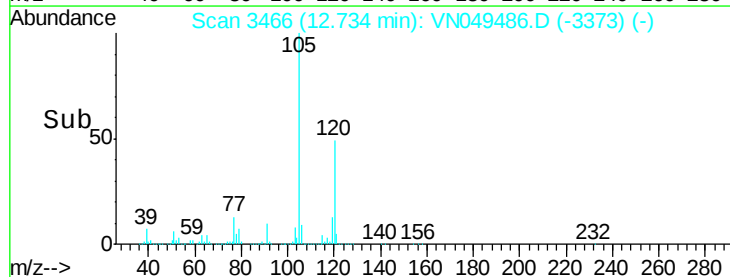
1000000

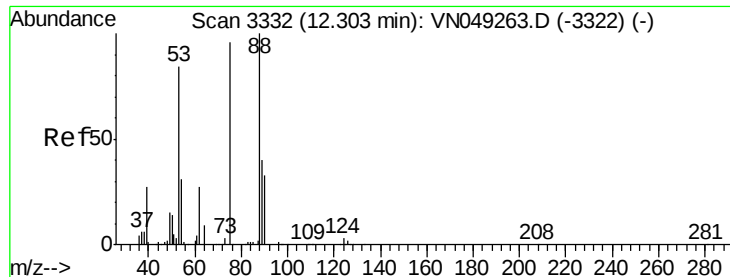
500000

0

12.70 12.73 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.50 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 260149

Ion Ratio Lower Upper

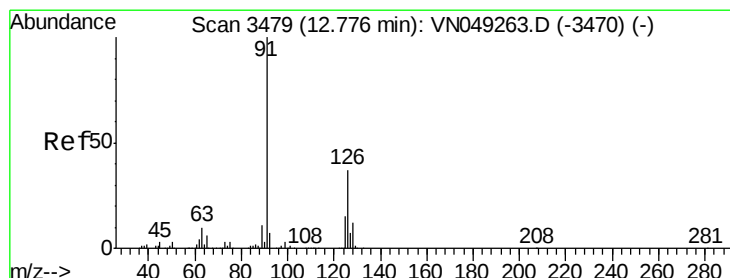
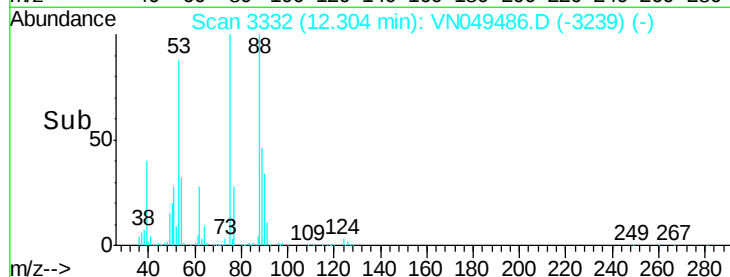
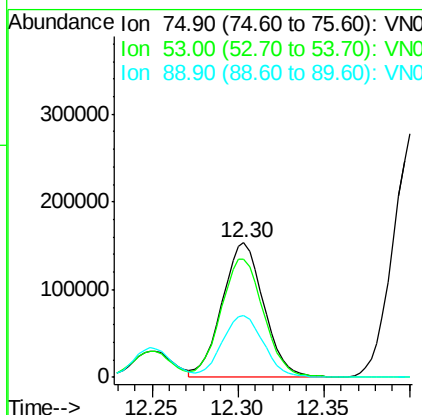
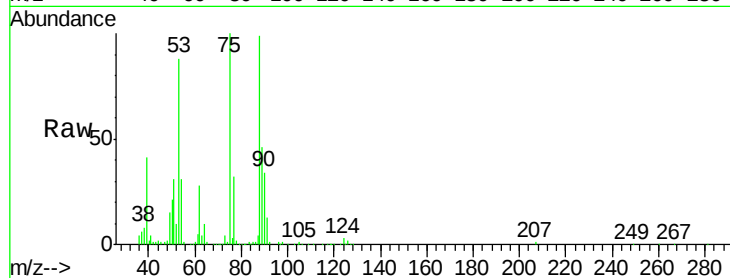
75 100

53 90.3 82.7 124.1

89 45.5 36.5 54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.23 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049486.D

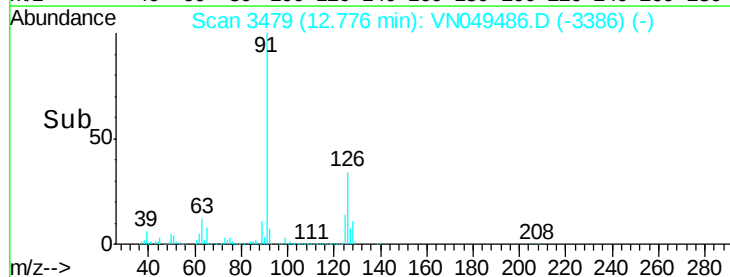
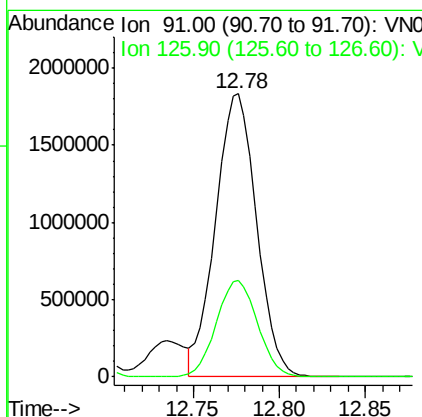
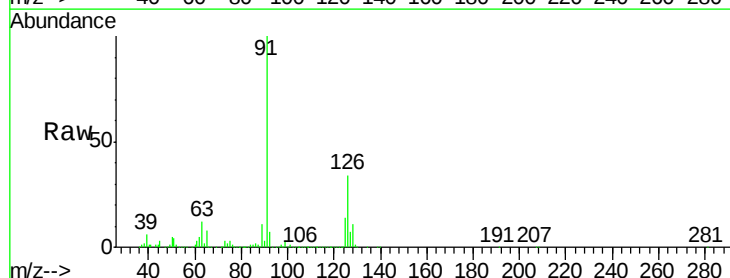
Acq: 22 Jun 2018 12:25

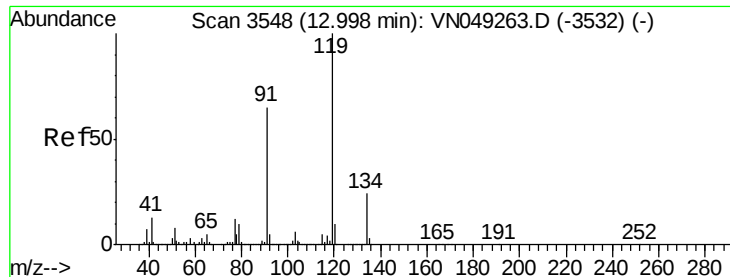
Tgt Ion: 91 Resp: 3053715

Ion Ratio Lower Upper

91 100

126 34.2 16.4 49.1





#83

tert-Butylbenzene

Concen: 52.40 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 3118650

Ion Ratio Lower Upper

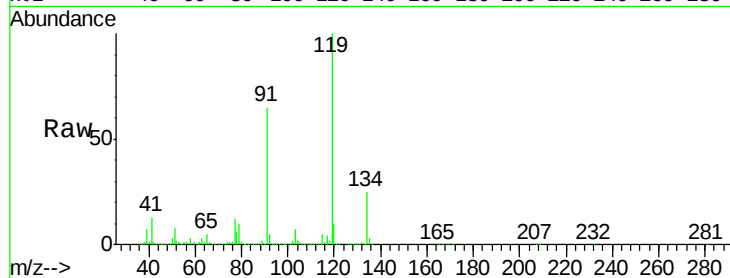
119 100

91 63.3 33.7 101.0

134 25.4 12.9 38.6

Manual Integrations
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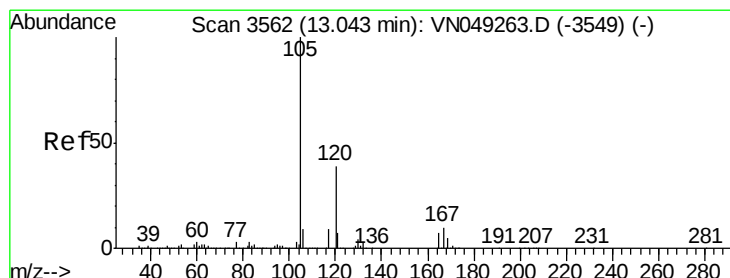
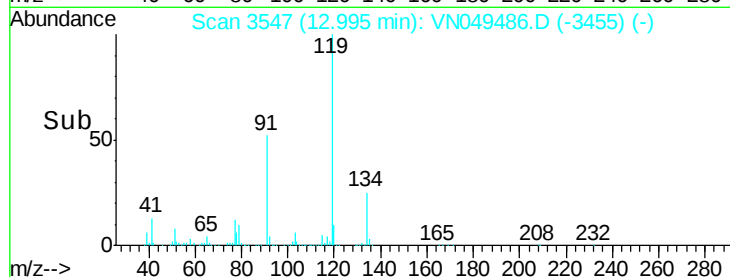
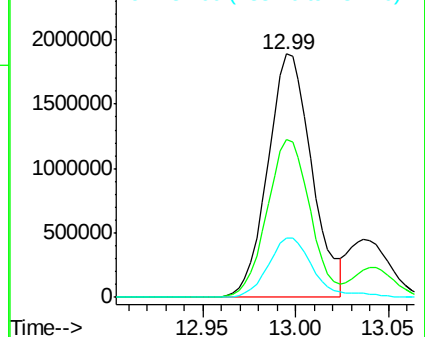
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.56 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049486.D

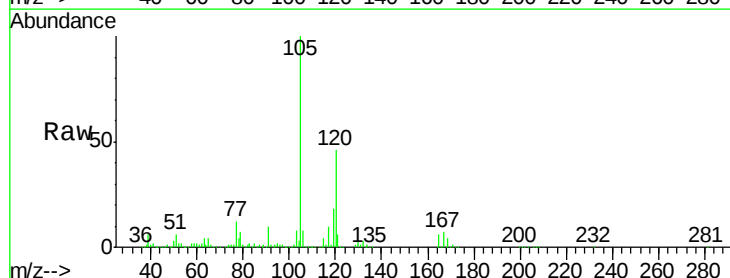
Acq: 22 Jun 2018 12:25

Tgt Ion:105 Resp: 3707962

Ion Ratio Lower Upper

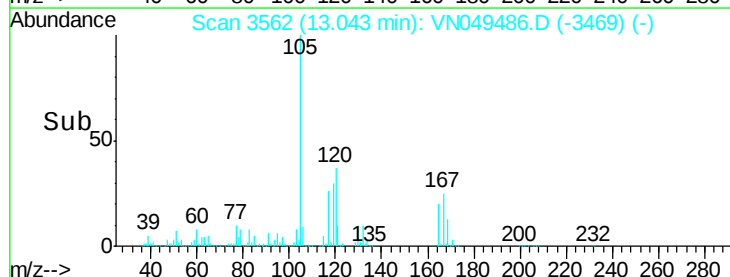
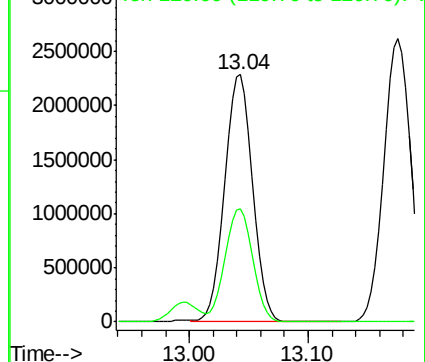
105 100

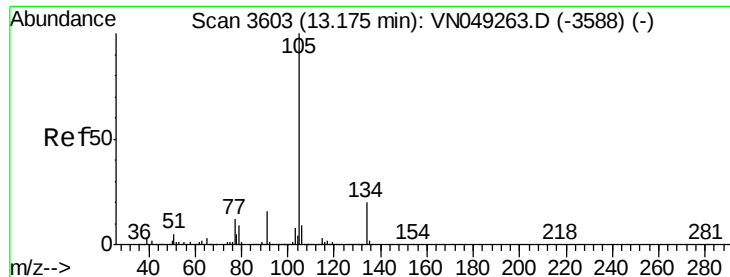
120 45.5 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.71 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 4175510

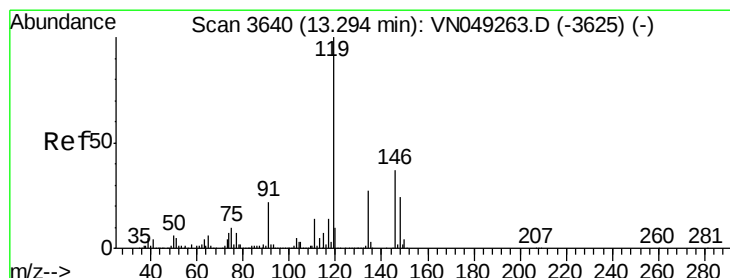
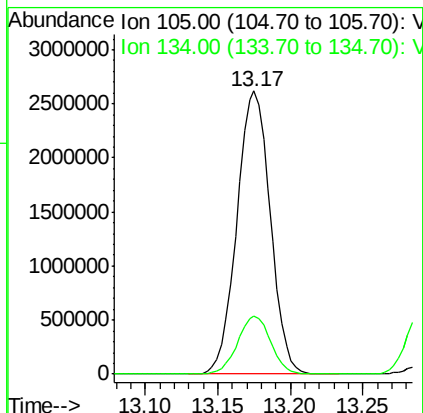
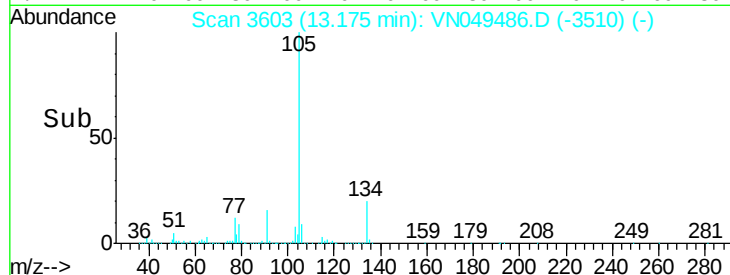
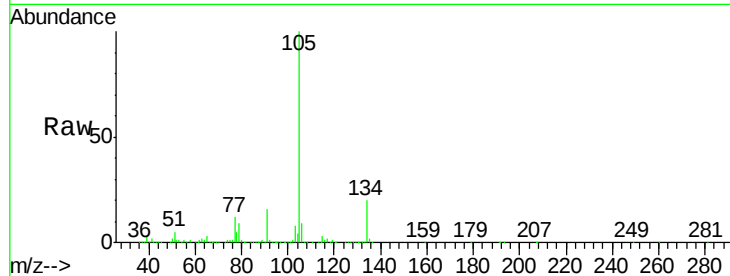
Ion Ratio Lower Upper

105 100

134 20.3 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 54.79 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

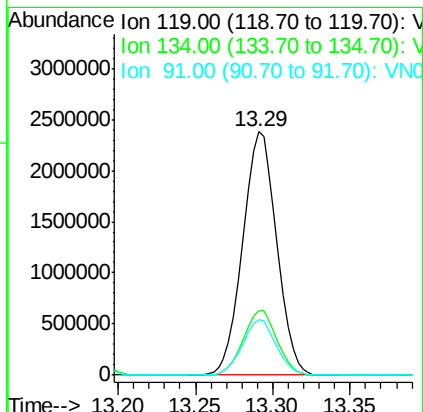
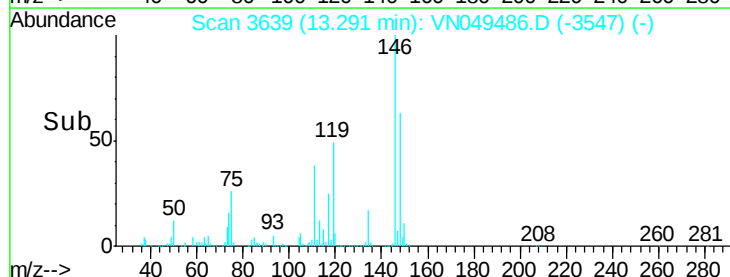
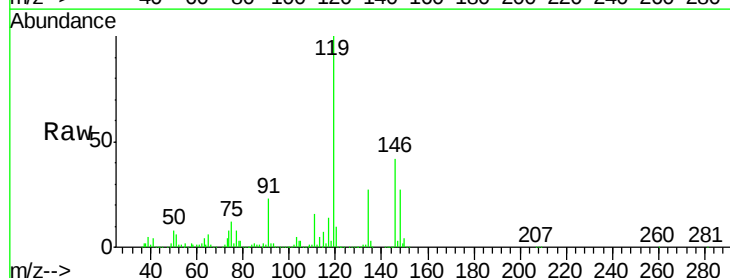
Tgt Ion:119 Resp: 3626382

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

91 22.6 12.1 36.3





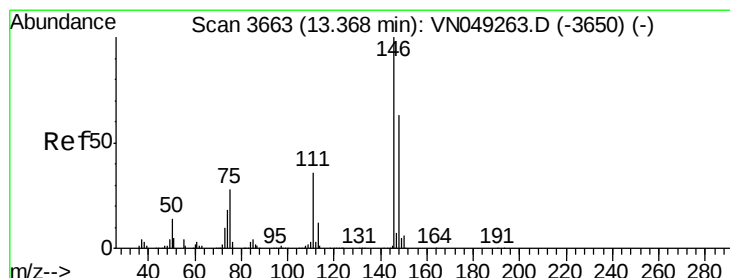
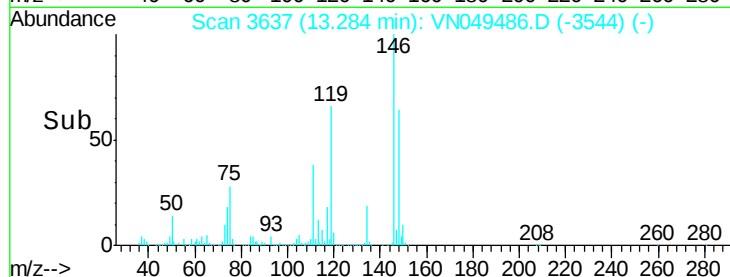
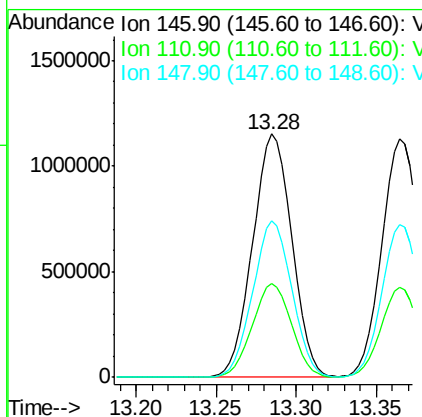
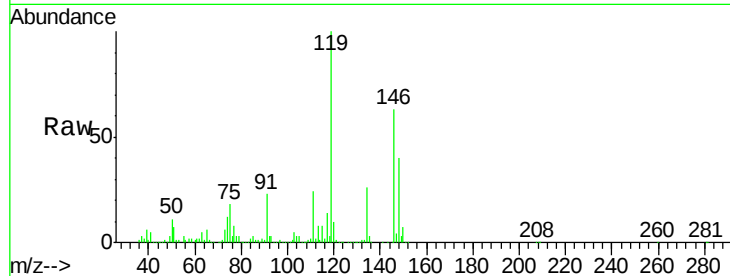
#87
 1,3-Dichlorobenzene
 Concen: 52.47 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.9	59.6
148	63.9	32.1	96.5

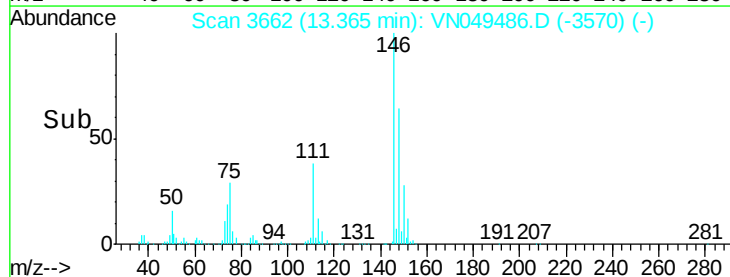
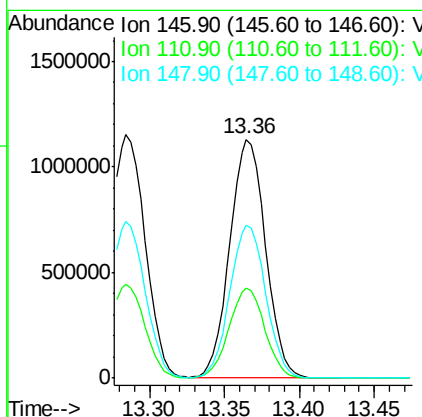
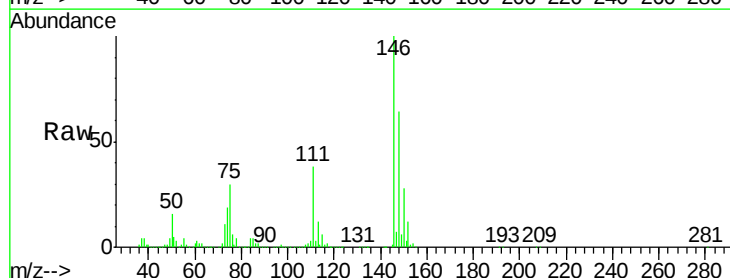
Manual Integrations
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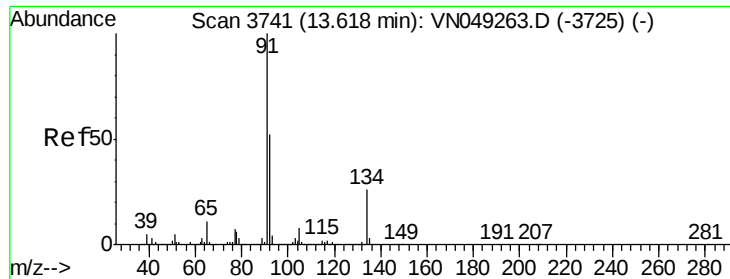
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#88
 1,4-Dichlorobenzene
 Concen: 51.13 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.1
148	64.3	32.0	96.2





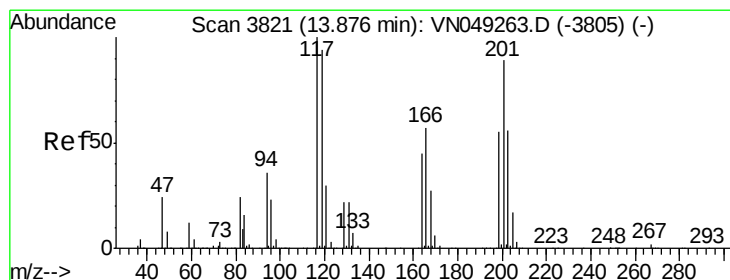
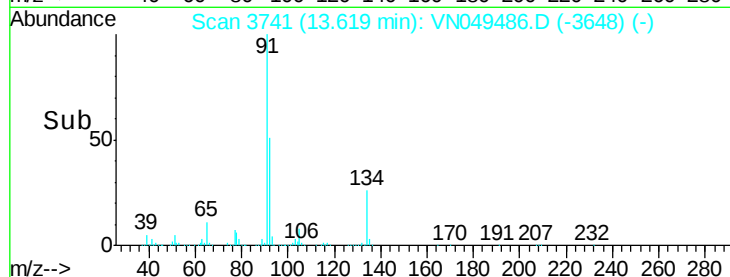
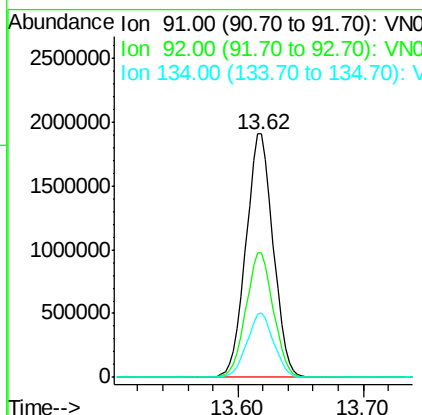
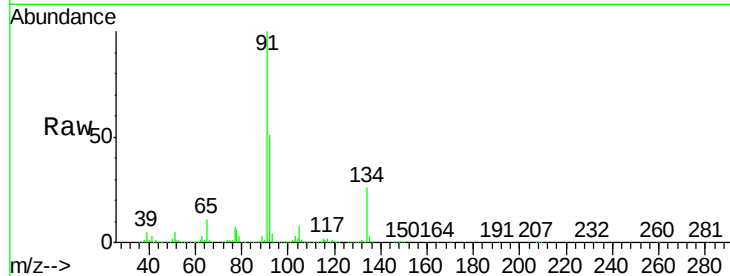
#89
n-Butylbenzene
Concen: 55.76 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.1	75.4
134	25.9	12.0	36.0

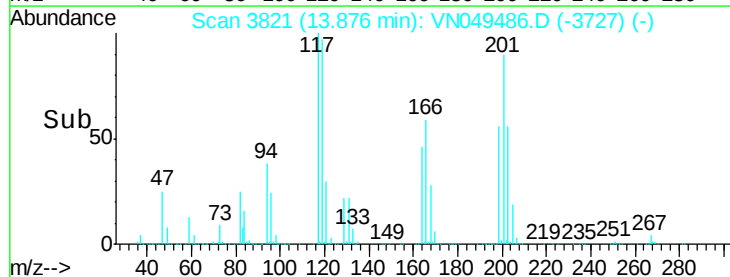
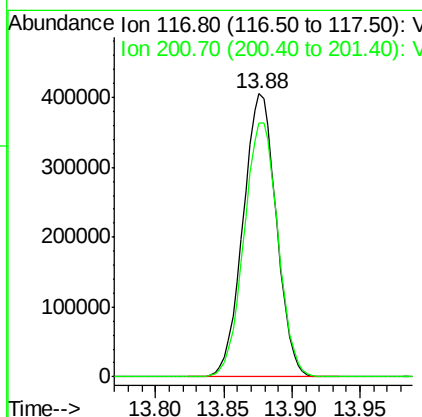
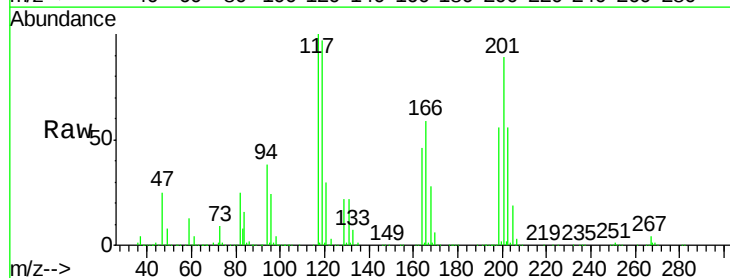
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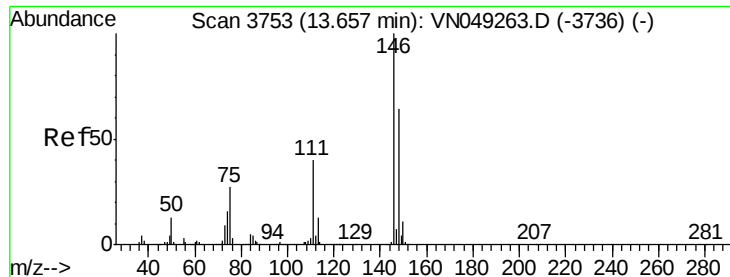
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#90
Hexachloroethane
Concen: 54.83 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.8	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 51.70 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Instrument :

MSVOA_N

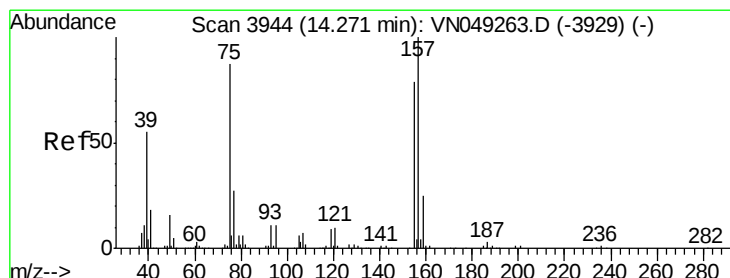
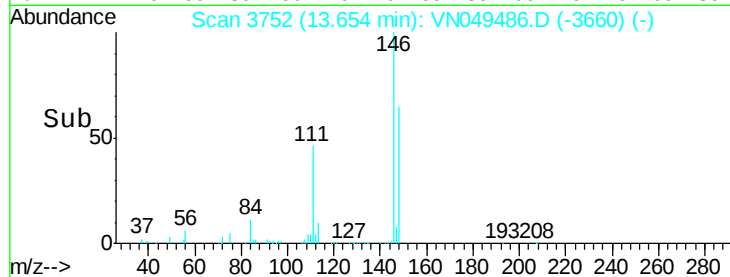
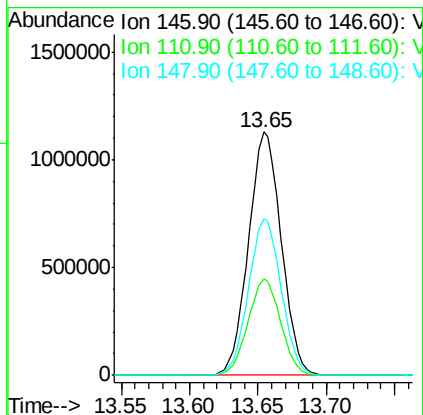
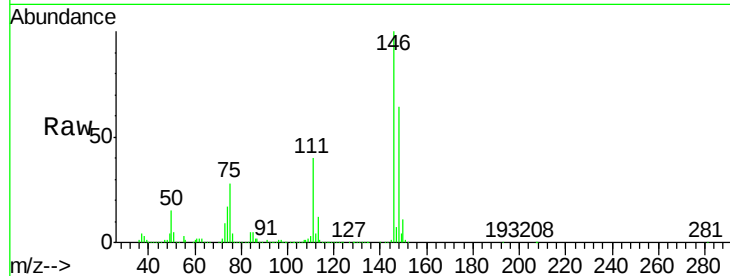
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	1883165
Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.8	62.2
148	64.3	32.0	96.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.99 ug/l

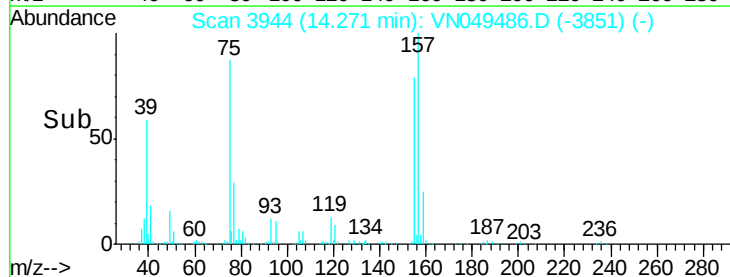
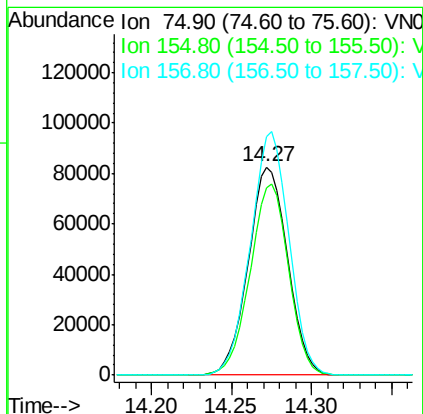
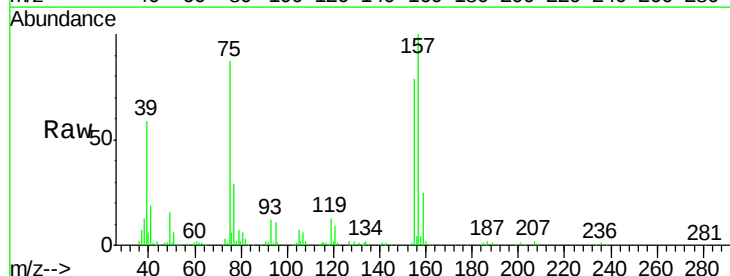
RT: 14.27 min Scan# 3944

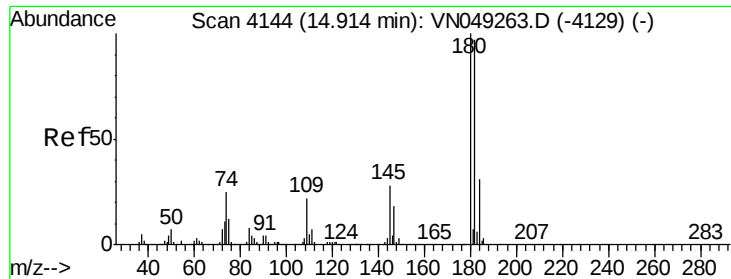
Delta R.T. 0.00 min

Lab File: VN049486.D

Acq: 22 Jun 2018 12:25

Tgt Ion:	75	Resp:	139816
Ion	Ratio	Lower	Upper
75	100		
155	89.6	38.8	116.3
157	114.3	51.0	153.1





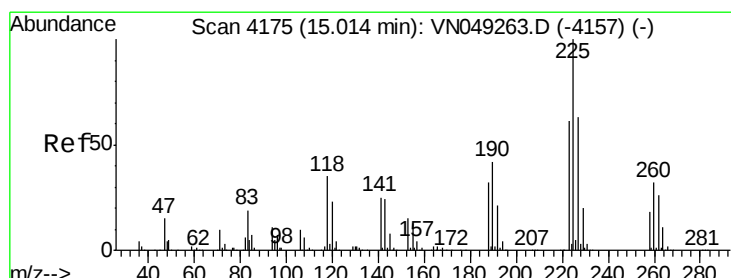
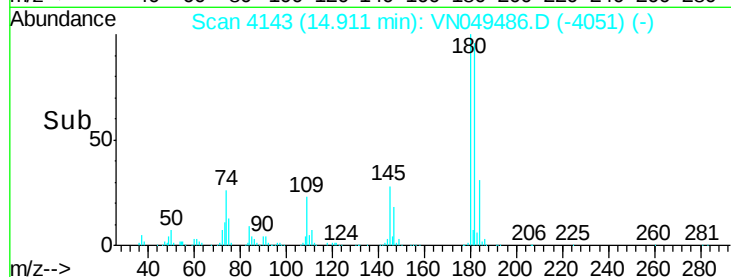
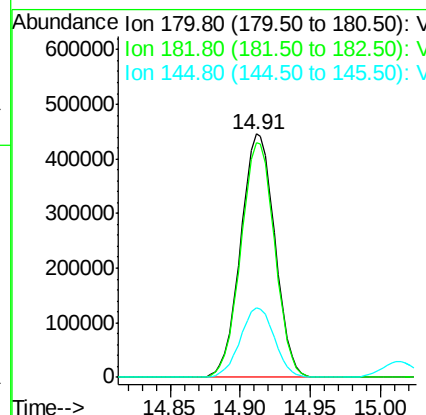
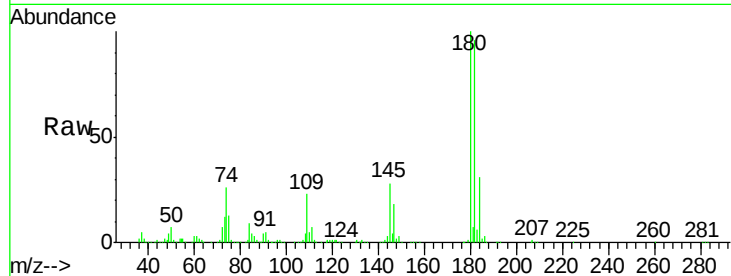
#93
 1,2,4-Trichlorobenzene
 Concen: 45.79 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	757015		
182	95.4	46.9	140.8	
145	28.6	14.7	44.1	

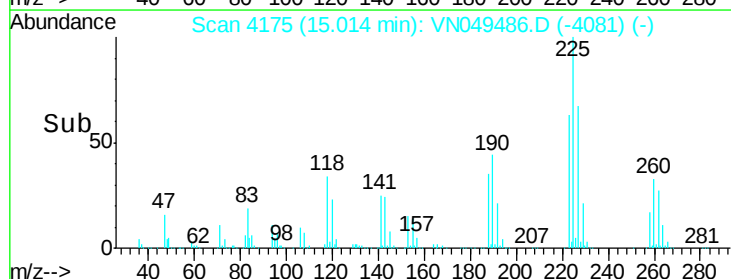
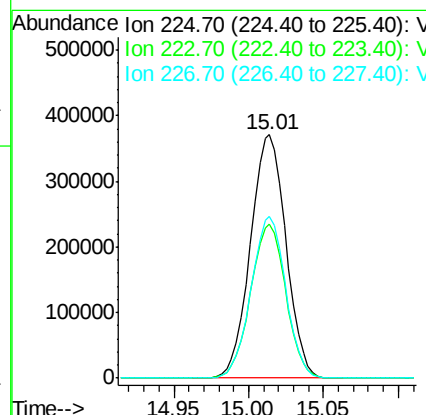
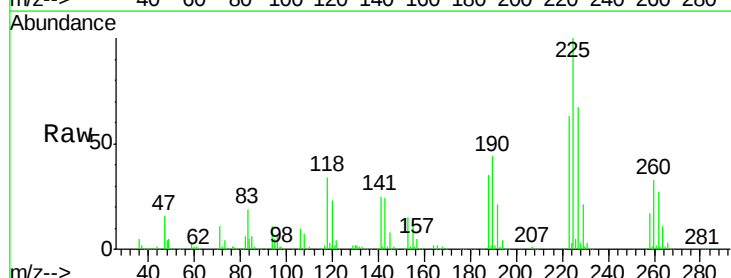
Manual Integrations
 APPROVED

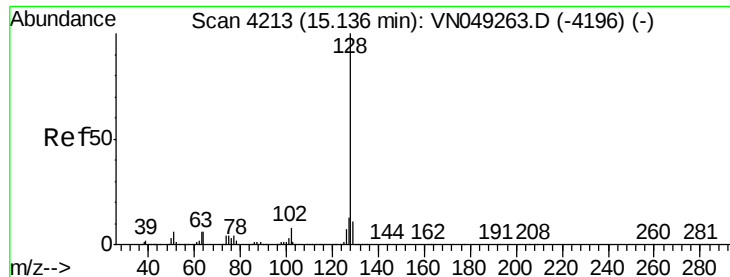
MMDadoda
 6/25/2018 4:23:20 PM



#94
 Hexachlorobutadiene
 Concen: 57.88 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049486.D
 Acq: 22 Jun 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	612099		
223	62.6	32.1	96.3	
227	64.8	31.8	95.3	





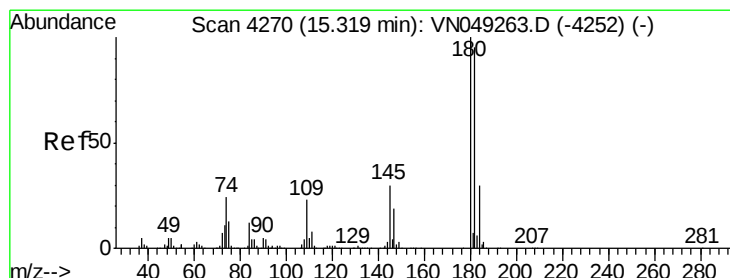
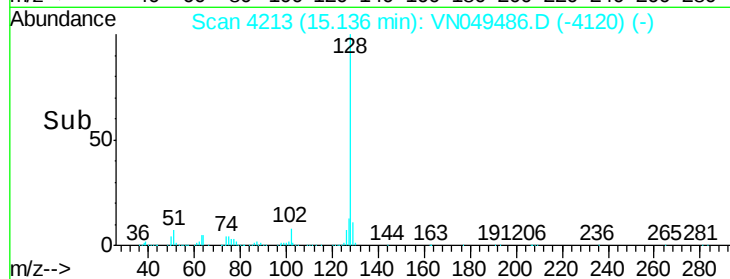
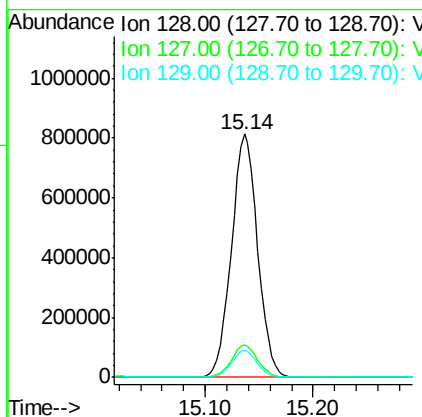
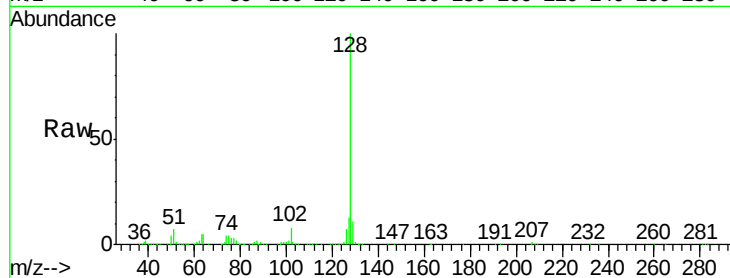
#95
Naphthalene
Concen: 46.81 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.9	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/25/2018 4:23:20 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.48 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049486.D
Acq: 22 Jun 2018 12:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.3	141.8
145	30.4	15.6	46.7

