

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021119\
 Data File : VN053694.D
 Acq On : 11 Feb 2019 9:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/12/2019 12:50:18 PM

Quant Time: Feb 11 22:22:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	763683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1107146	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	987103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	494401	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	337114	44.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.00%	
35) Dibromofluoromethane	7.59	113	328278	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
50) Toluene-d8	10.09	98	1227009	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
62) 4-Bromofluorobenzene	12.40	95	417980	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	407485	47.347	ug/l	100
3) Chloromethane	2.06	50	425784	46.963	ug/l	98
4) Vinyl Chloride	2.19	62	431209	48.995	ug/l	100
5) Bromomethane	2.57	94	300340	52.191	ug/l	100
6) Chloroethane	2.71	64	274407	54.560	ug/l	100
7) Trichlorofluoromethane	3.02	101	596305	49.963	ug/l	100
8) Diethyl Ether	3.41	74	210200	48.225	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	375647	50.892	ug/l	98
10) Methyl Iodide	3.95	142	551513	47.604	ug/l	100
11) Tert butyl alcohol	4.78	59	106836	235.628	ug/l #	90
12) 1,1-Dichloroethene	3.74	96	348810	49.323	ug/l	99
13) Acrolein	3.61	56	39019	158.060	ug/l	99
14) Allyl chloride	4.32	41	560321	49.762	ug/l	99
15) Acrylonitrile	4.98	53	615565	251.484	ug/l	98
16) Acetone	3.81	43	635063	323.167	ug/l	99
17) Carbon Disulfide	4.06	76	1005823	45.677	ug/l	99
18) Methyl Acetate	4.32	43	297409	51.103	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	910493	50.787	ug/l	100
20) Methylene Chloride	4.55	84	397706	48.239	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	371256	48.660	ug/l	97
22) Diisopropyl ether	5.95	45	1085024	52.005	ug/l	100
23) Vinyl Acetate	5.89	43	3592135	248.879	ug/l	99
24) 1,1-Dichloroethane	5.85	63	691833	49.715	ug/l	100
25) 2-Butanone	6.83	43	740679	264.274	ug/l	99
26) 2,2-Dichloropropane	6.82	77	536917	50.543	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	425103	50.107	ug/l	99
28) Bromochloromethane	7.19	49	308824	51.139	ug/l	97
29) Tetrahydrofuran	7.21	42	439975	244.472	ug/l	98
30) Chloroform	7.37	83	680700	49.345	ug/l	99
31) Cyclohexane	7.65	56	623240	48.097	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	574224	50.019	ug/l	100
36) 1,1-Dichloropropene	7.79	75	534198	53.526	ug/l	99
37) Ethyl Acetate	6.92	43	288942	51.837	ug/l	98
38) Carbon Tetrachloride	7.77	117	523981	52.117	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	639893	54.043	ug/l	98
40) Benzene	8.04	78	1586480	51.549	ug/l	100
41) Methacrylonitrile	7.18	41	169710	54.476	ug/l	95
42) 1,2-Dichloroethane	8.12	62	469240	51.349	ug/l	100
43) Isopropyl Acetate	8.16	43	514750	47.819	ug/l	99
44) Trichloroethene	8.83	130	451356	51.513	ug/l	98
45) 1,2-Dichloropropane	9.12	63	415819	52.824	ug/l	99
46) Dibromomethane	9.21	93	240710	50.726	ug/l	98
47) Bromodichloromethane	9.40	83	525140	53.226	ug/l	99
48) Methyl methacrylate	9.20	41	245650	47.807	ug/l	92
49) 1,4-Dioxane	9.20	88	74199	996.692	ug/l	93
51) 4-Methyl-2-Pentanone	9.98	43	1389767	262.729	ug/l	99
52) Toluene	10.16	92	962353	52.686	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	521544	52.790	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	622449	53.168	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	348423	52.937	ug/l	99
56) Ethyl methacrylate	10.43	69	405211	52.041	ug/l	99
57) 1,3-Dichloropropane	10.71	76	584099	51.925	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	422907	92.781	ug/l	99
59) 2-Hexanone	10.75	43	953751	265.591	ug/l	99
60) Dibromochloromethane	10.90	129	402333	54.207	ug/l	100
61) 1,2-Dibromoethane	11.00	107	327921	50.337	ug/l	100
64) Tetrachloroethene	10.63	164	432708	51.138	ug/l	98
65) Chlorobenzene	11.43	112	1071206	51.090	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	388997	53.123	ug/l	99
67) Ethyl Benzene	11.51	91	1798742	52.224	ug/l	100
68) m/p-Xylenes	11.62	106	1404052	106.809	ug/l	99
69) o-Xylene	11.95	106	673746	53.052	ug/l	99
70) Styrene	11.96	104	1120084	54.415	ug/l	99
71) Bromoform	12.13	173	274327	54.645	ug/l #	99
73) Isopropylbenzene	12.25	105	1766790	50.834	ug/l	100
74) N-amyl acetate	12.07	43	409243	48.967	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	385324	46.324	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	322821m	50.836	ug/l	
77) Bromobenzene	12.53	156	463997	49.536	ug/l	99
78) n-propylbenzene	12.59	91	2093137	52.097	ug/l	100
79) 2-Chlorotoluene	12.67	91	1221939	51.263	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1549942	53.778	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113567	50.288	ug/l	100
82) 4-Chlorotoluene	12.77	91	1252463	51.205	ug/l	99
83) tert-Butylbenzene	12.99	119	1307068	51.313	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1569875	53.464	ug/l	99
85) sec-Butylbenzene	13.17	105	1841633	53.129	ug/l	99
86) p-Isopropyltoluene	13.29	119	1650698	54.449	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	853825	50.707	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	840926	50.487	ug/l	99
89) n-Butylbenzene	13.62	91	1451625	55.320	ug/l	100
90) Hexachloroethane	13.88	117	270735	54.141	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	816602	50.657	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	59009	49.778	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	500452	54.129	ug/l	99
94) Hexachlorobutadiene	15.01	225	319752	55.535	ug/l	100
95) Naphthalene	15.13	128	968308	44.773	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	454607	52.993	ug/l	100

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

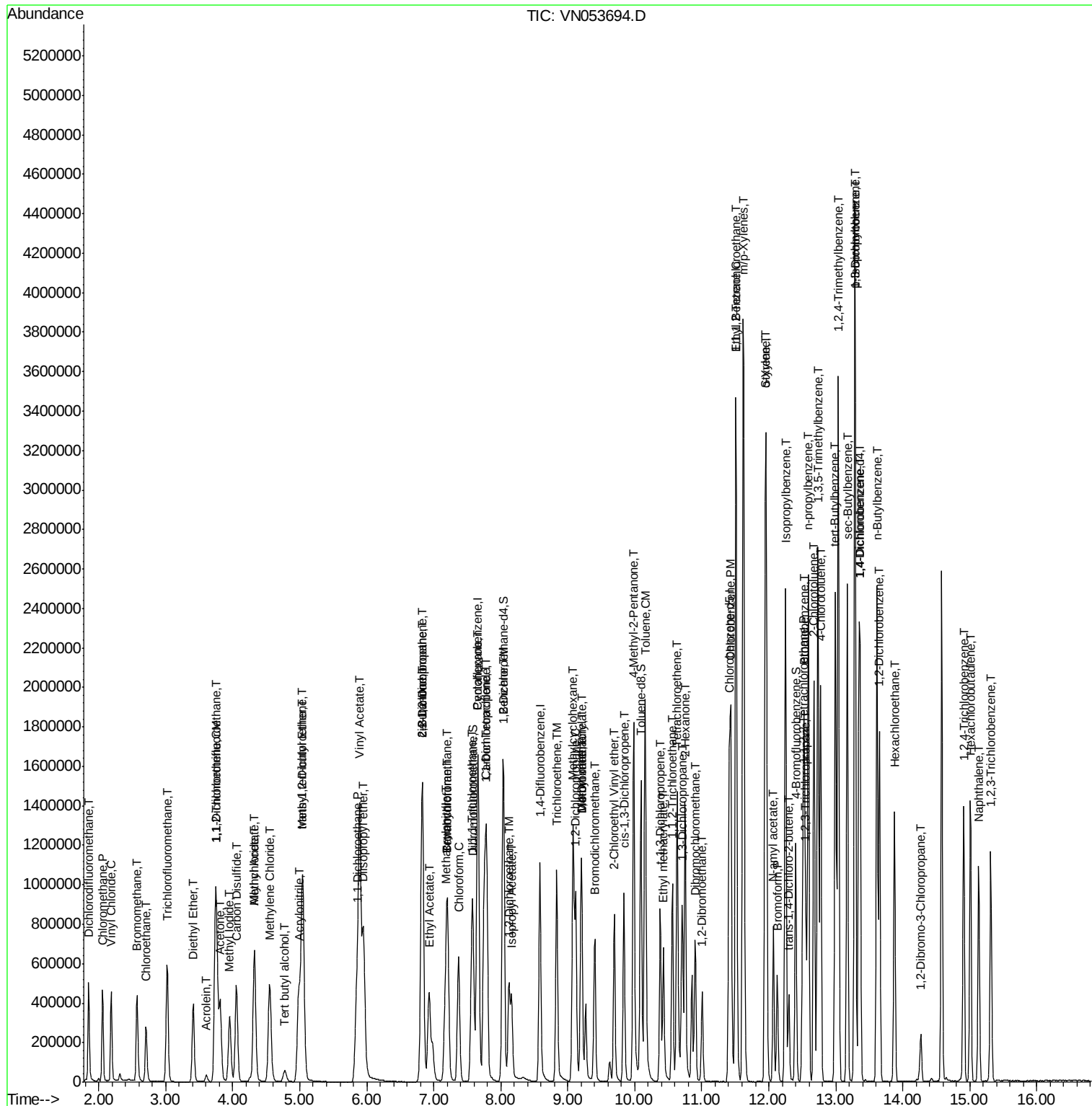
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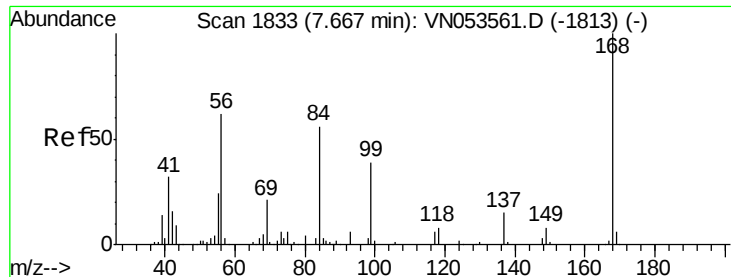
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MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 763683

Ion Ratio Lower Upper

168 100

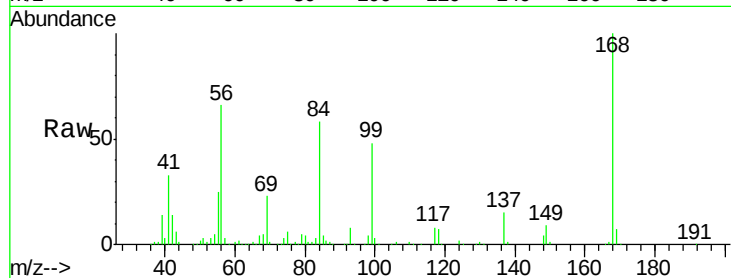
99 47.2 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

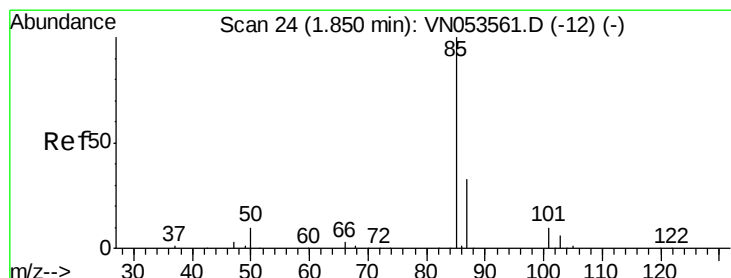
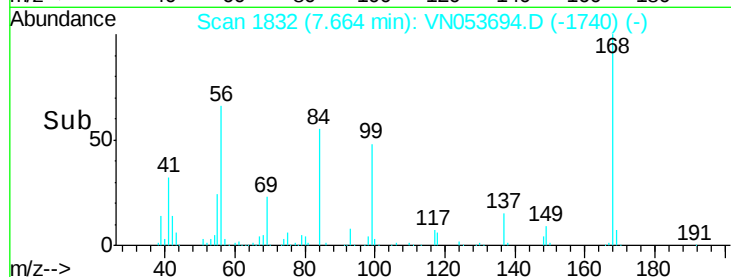
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 47.347 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053694.D

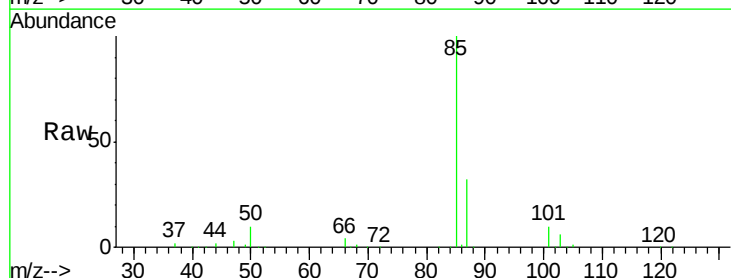
Acq: 11 Feb 2019 9:57

Tgt Ion: 85 Resp: 407485

Ion Ratio Lower Upper

85 100

87 32.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

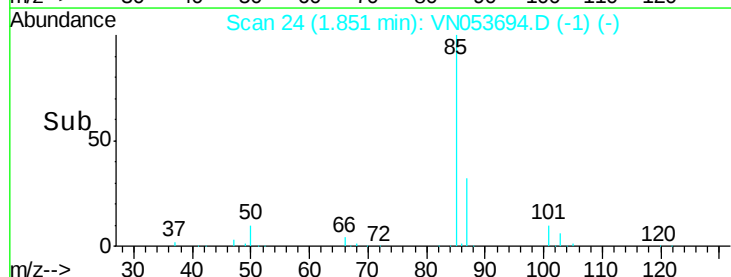
300000

200000

100000

0

Time--> 1.80 1.90 2.00





#3

Chloromethane

Concen: 46.963 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 425784

Ion Ratio Lower Upper

50 100

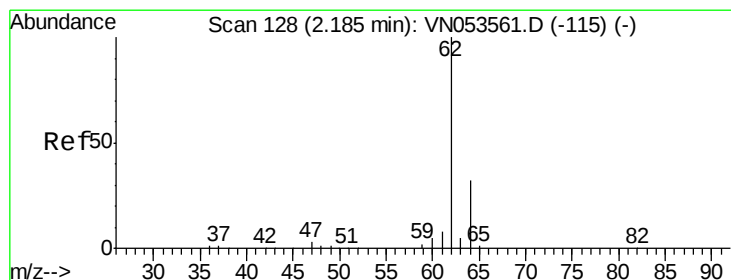
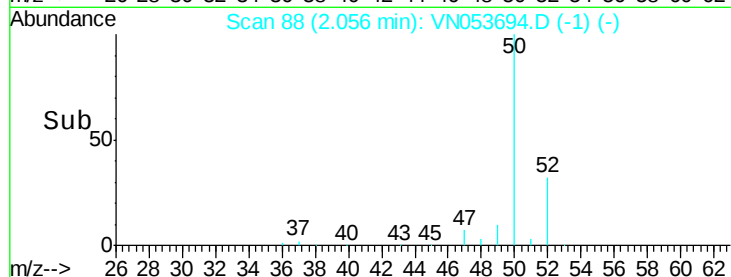
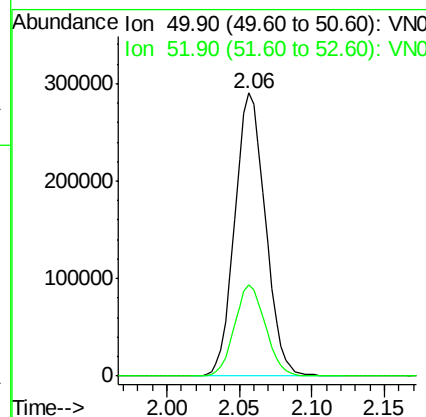
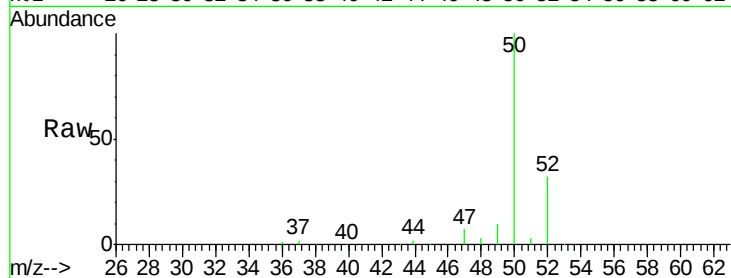
52 32.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.995 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN053694.D

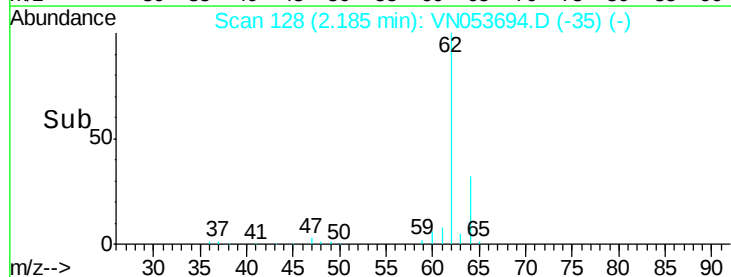
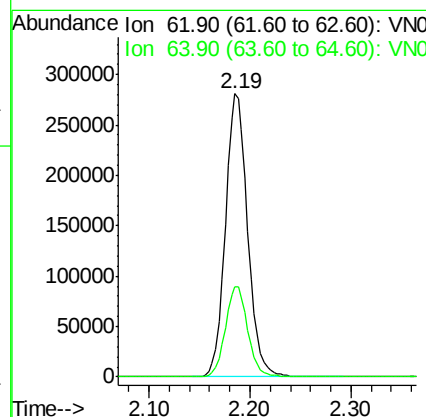
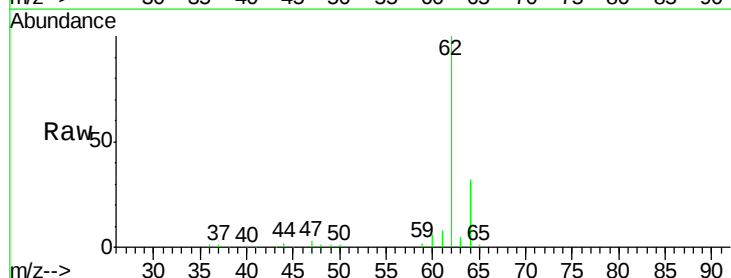
Acq: 11 Feb 2019 9:57

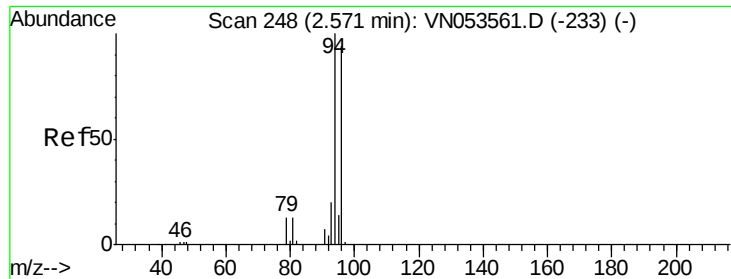
Tgt Ion: 62 Resp: 431209

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 52.191 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 94 Resp: 300340

Ion Ratio Lower Upper

94 100

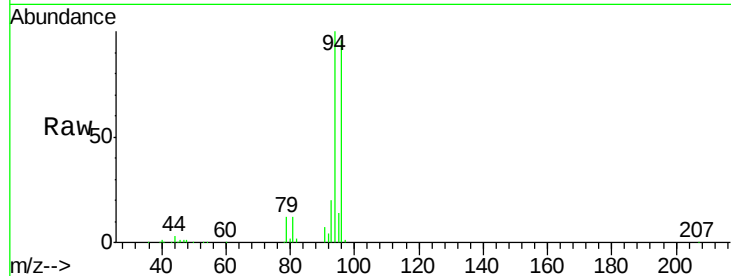
96 96.1 76.8 115.2

Manual Integrations

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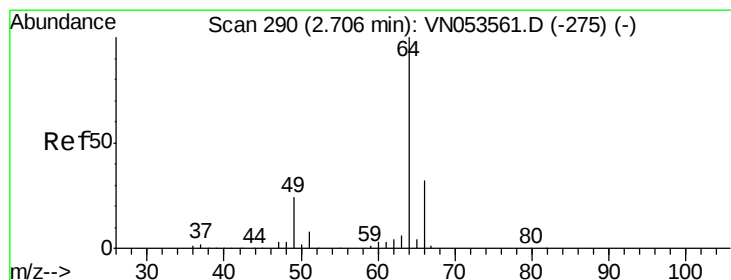
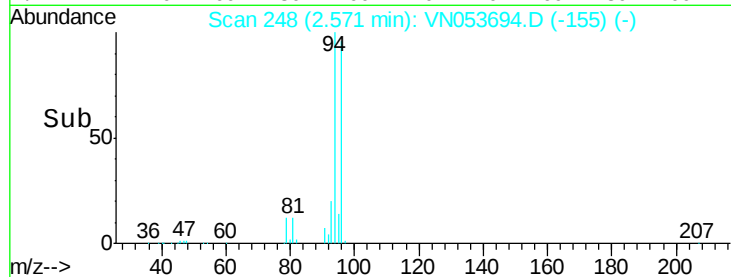
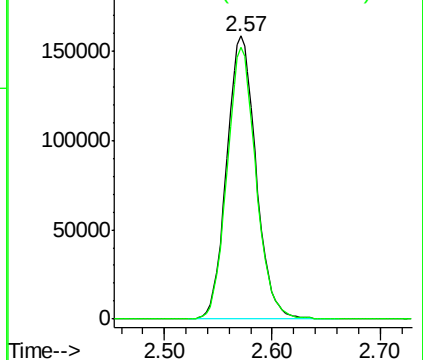
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 54.560 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN053694.D

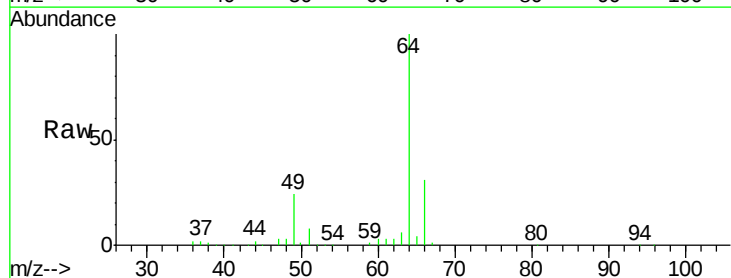
Acq: 11 Feb 2019 9:57

Tgt Ion: 64 Resp: 274407

Ion Ratio Lower Upper

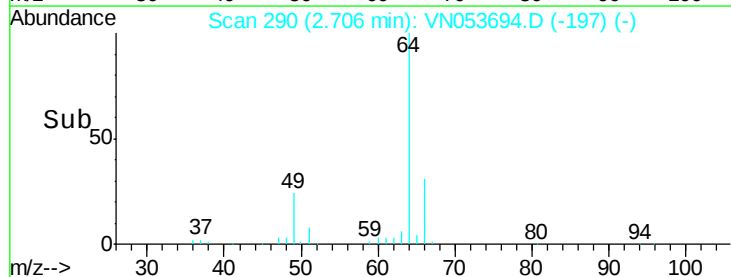
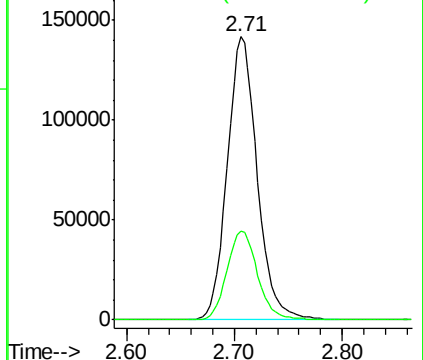
64 100

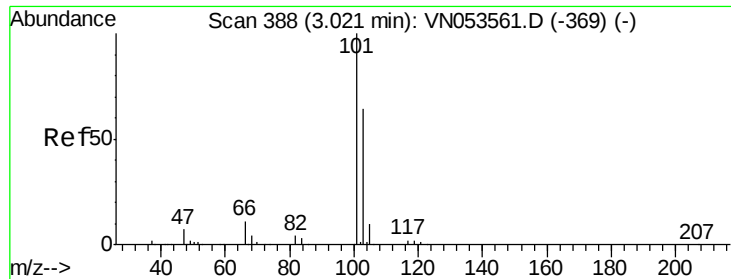
66 31.5 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

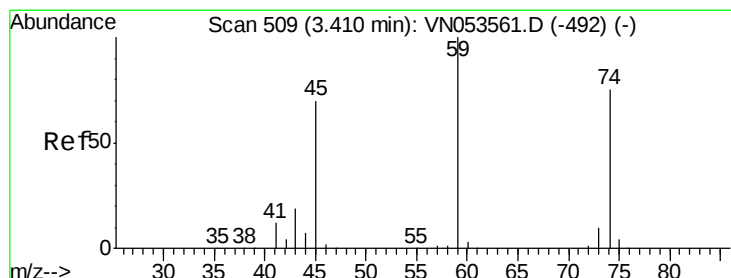
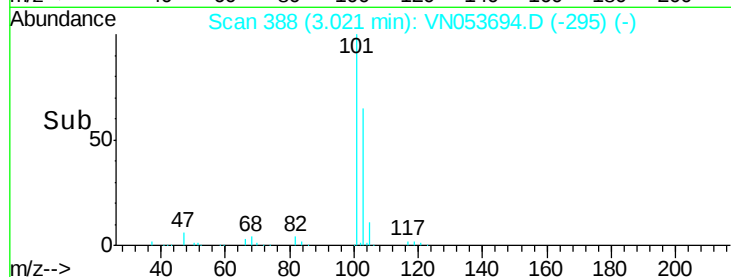
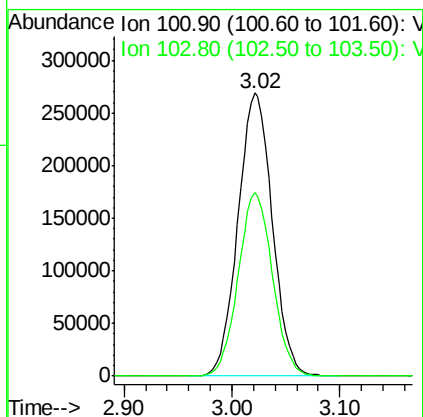
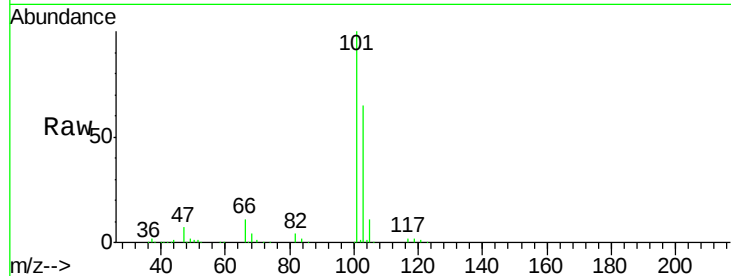
Trichlorofluoromethane
Concen: 49.963 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN053694.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.6	77.4

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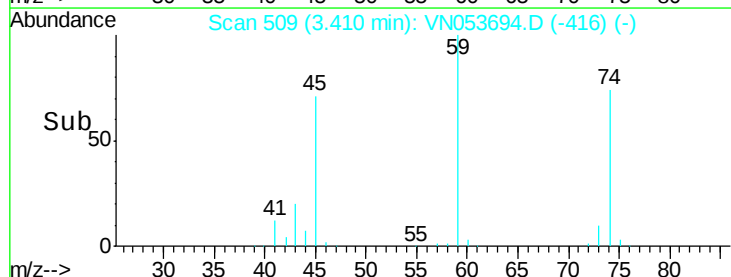
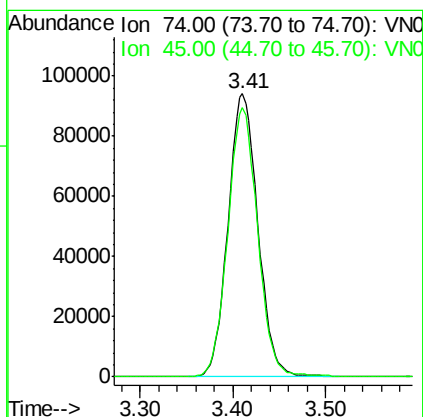
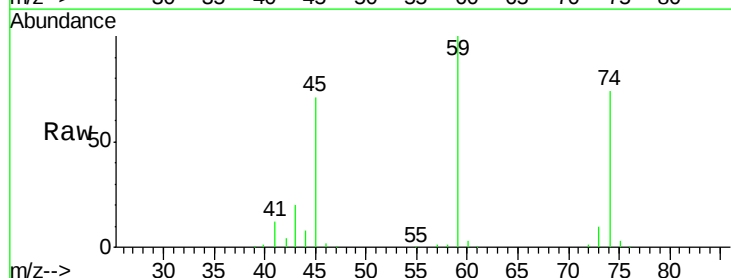
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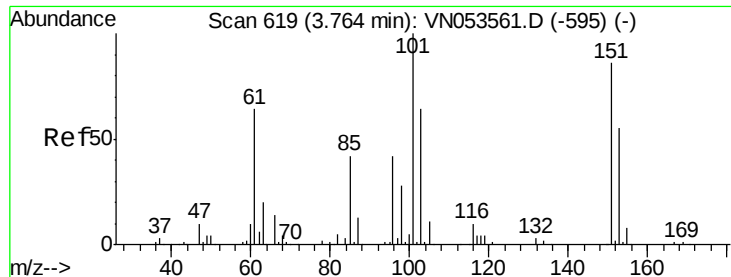


#8

Diethyl Ether
Concen: 48.225 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN053694.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.892 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

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MSVOA_N

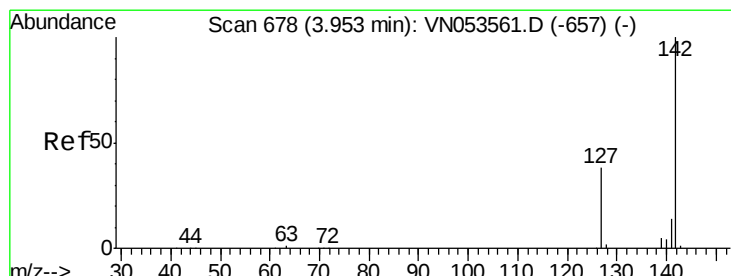
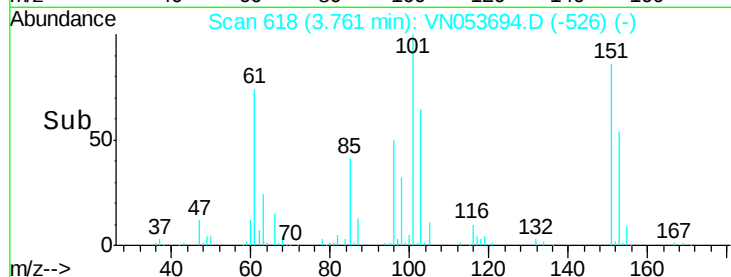
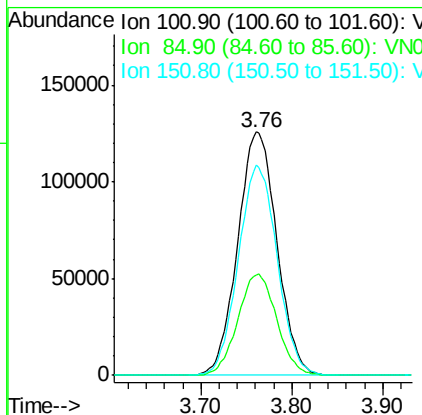
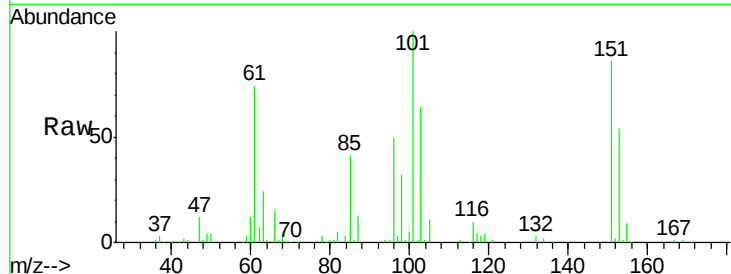
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	375647
Ion Ratio	Lower	Upper	
101	100		
85	41.3	32.8	49.2
151	86.0	66.9	100.3

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 47.604 ug/l

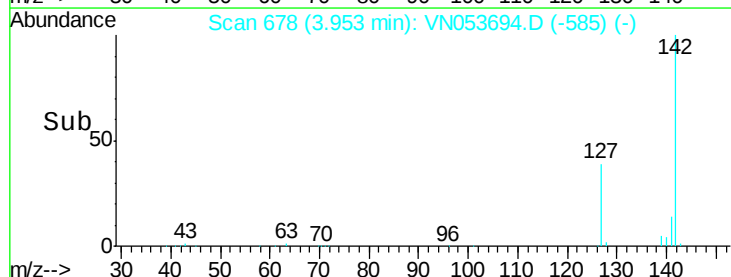
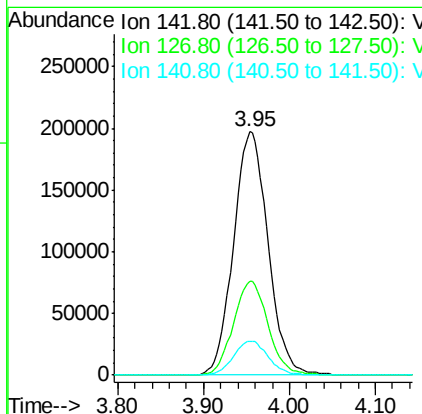
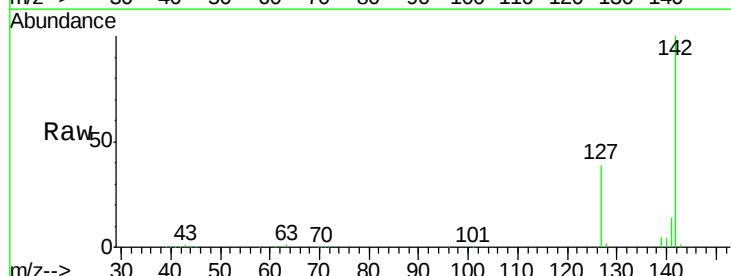
RT: 3.95 min Scan# 678

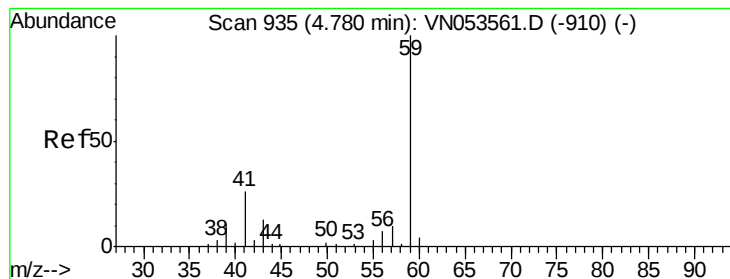
Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Tgt Ion:	142	Resp:	551513
Ion Ratio	Lower	Upper	
142	100		
127	38.7	31.0	46.4
141	14.0	11.1	16.7





#11

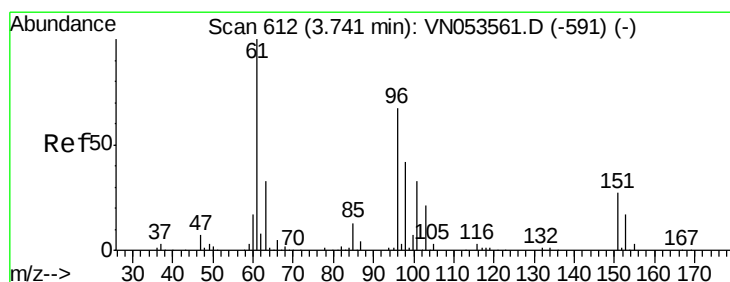
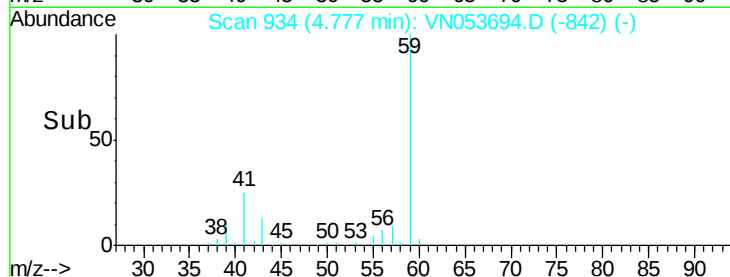
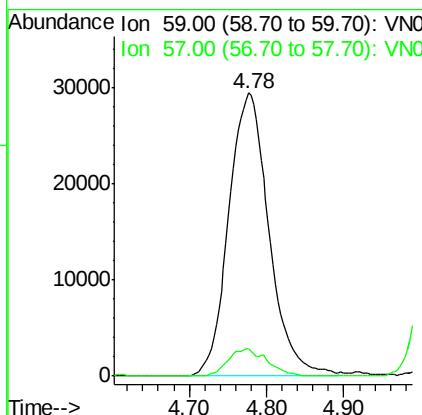
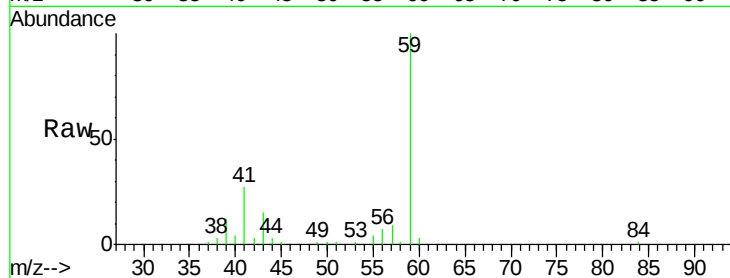
Tert butyl alcohol
 Concen: 235.628 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	106836		
57	6.6	8.2	12.4#	

Manual Integrations
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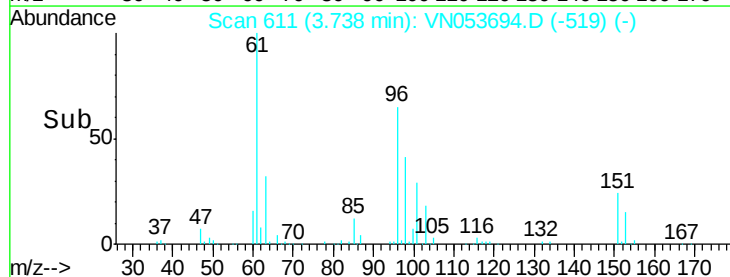
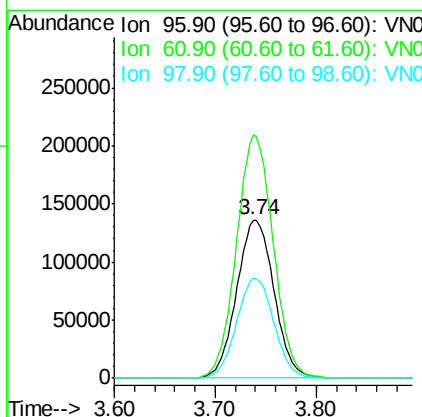
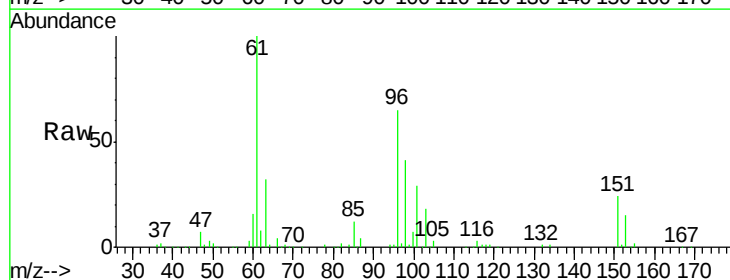
MMDadoda
 2/12/2019 12:50:18 PM

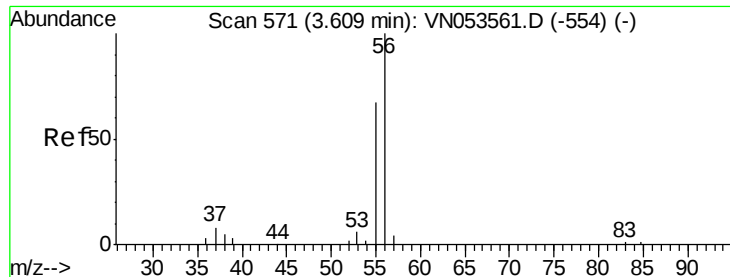


#12

1,1-Dichloroethene
 Concen: 49.323 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	348810		
61	154.2	122.9	184.3	
98	63.2	49.4	74.0	





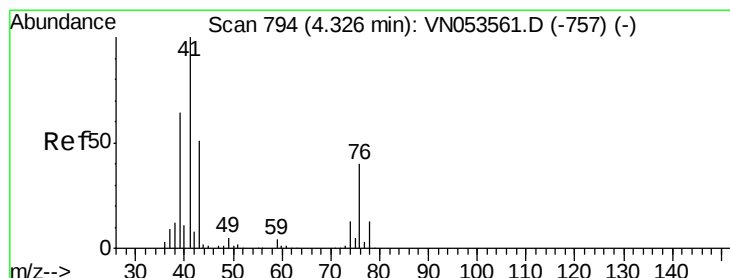
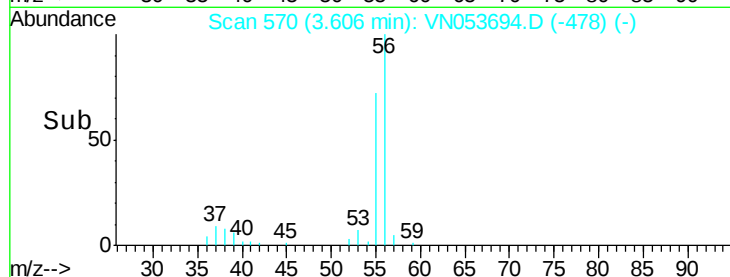
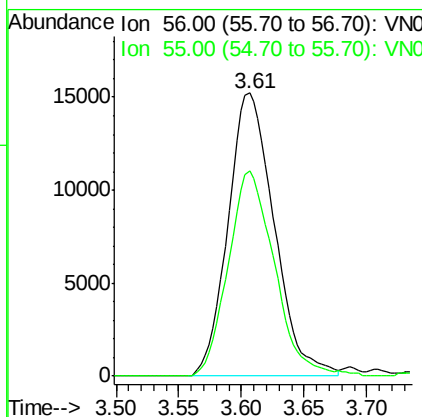
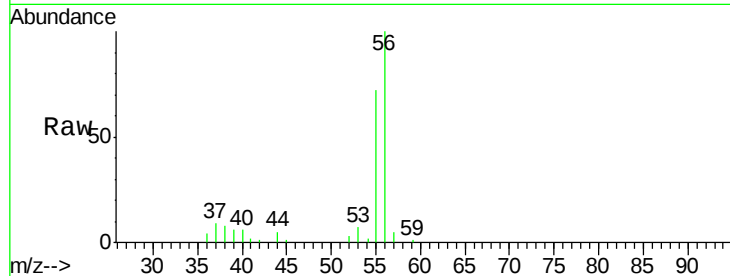
#13
Acrolein
Concen: 158.060 ug/l
RT: 3.61 min Scan# 570
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	72.5	57.4	86.0

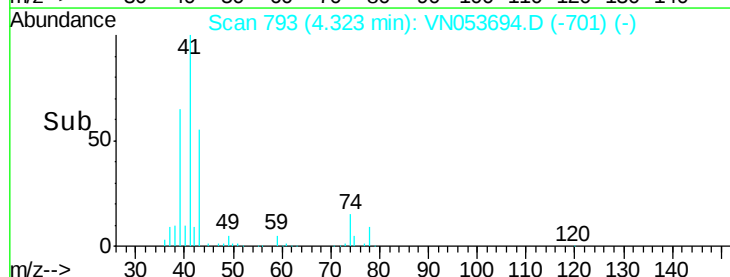
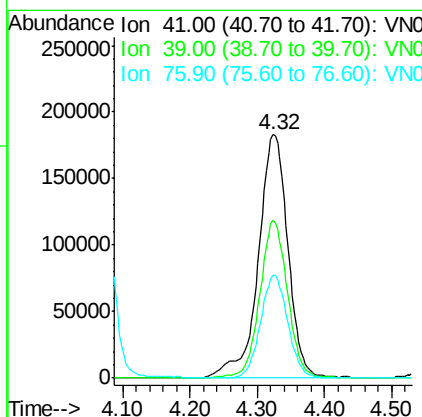
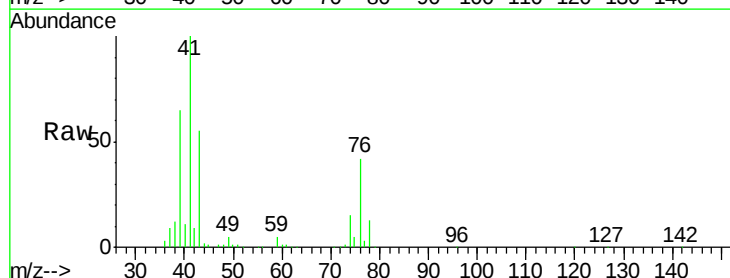
Manual Integrations
APPROVED

MMDadoda
2/12/2019 12:50:18 PM



#14
Allyl chloride
Concen: 49.762 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	60.7	48.9	73.3
76	76	38.2	29.4	44.2





#15

Acrylonitrile

Concen: 251.484 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

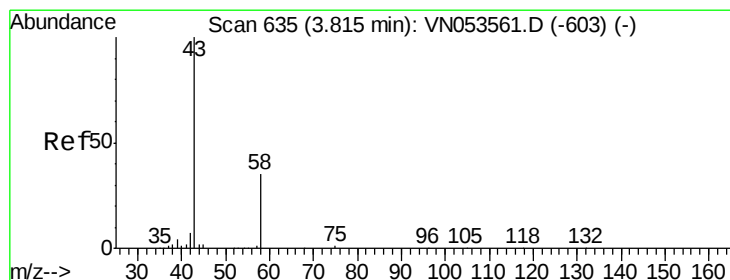
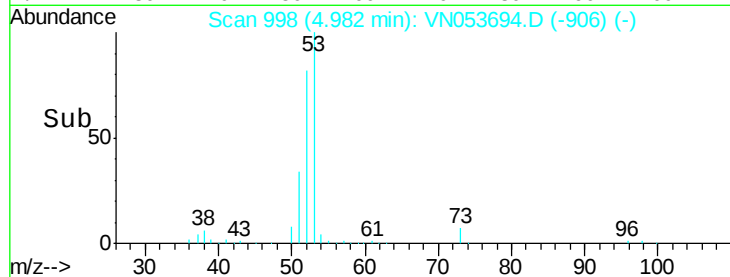
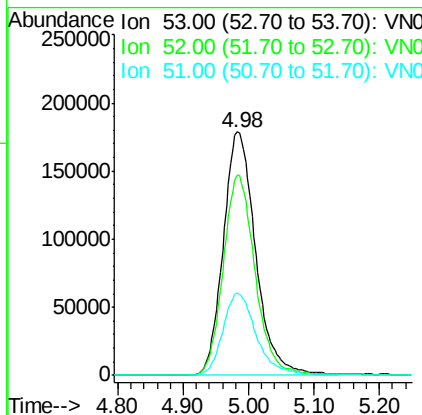
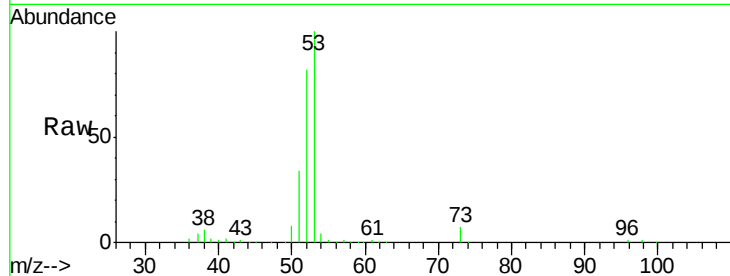
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	615565
Ion Ratio		Lower	Upper
53	100		
52	80.7	66.0	99.0
51	35.0	28.3	42.5

Manual Integrations
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2/12/2019 12:50:18 PM



#16

Acetone

Concen: 323.167 ug/l

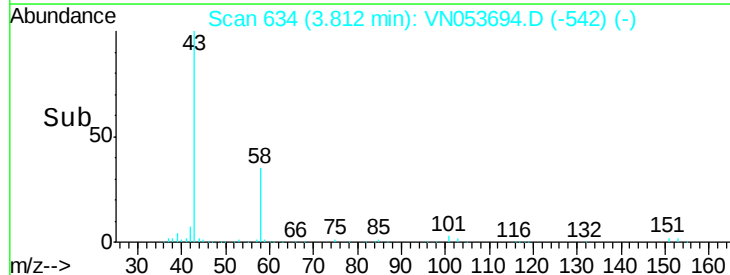
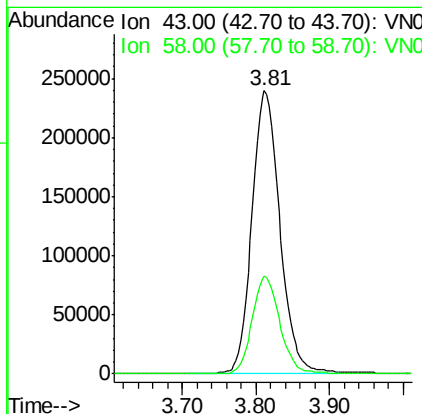
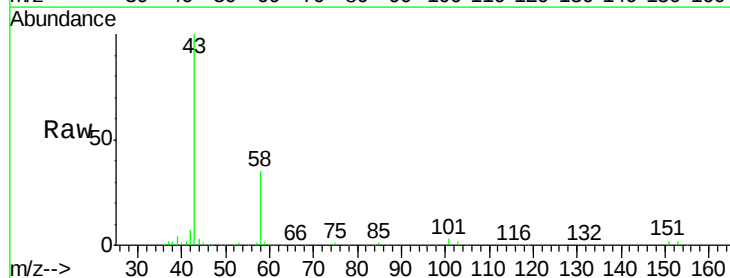
RT: 3.81 min Scan# 634

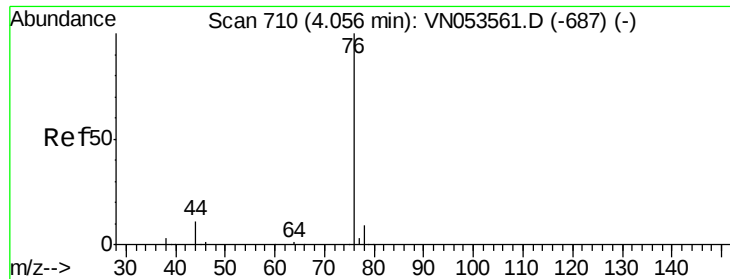
Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Tgt Ion:	43	Resp:	635063
Ion Ratio		Lower	Upper
43	100		
58	34.5	27.1	40.7





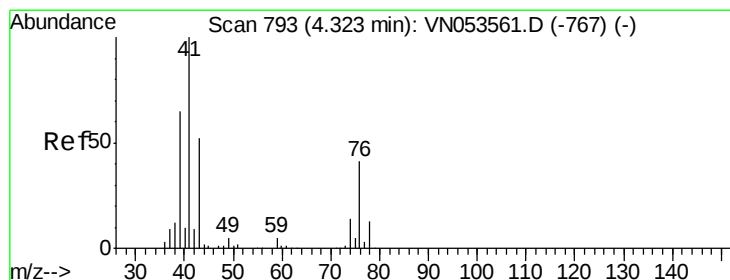
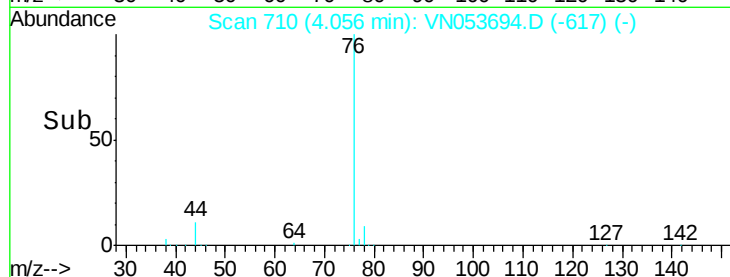
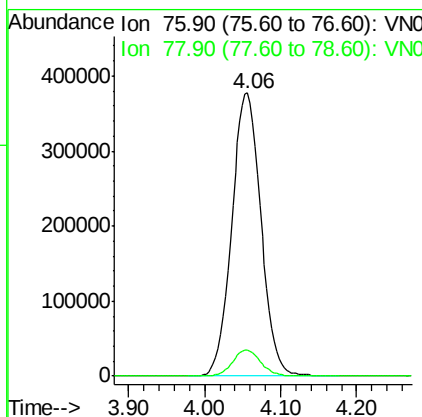
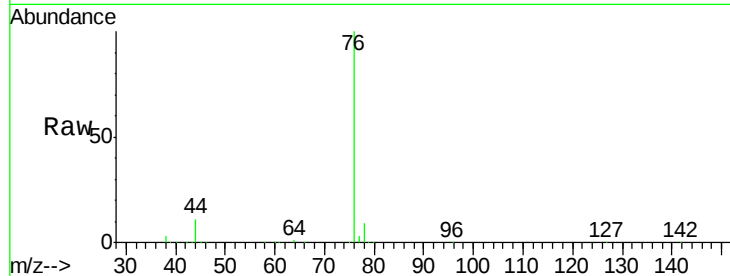
#17
Carbon Disulfide
Concen: 45.677 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1005823
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

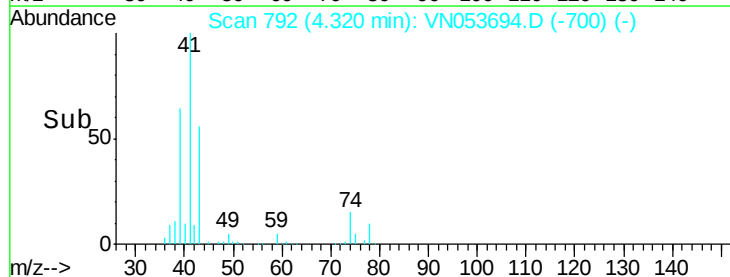
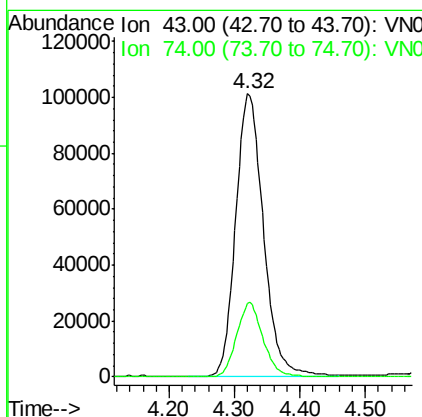
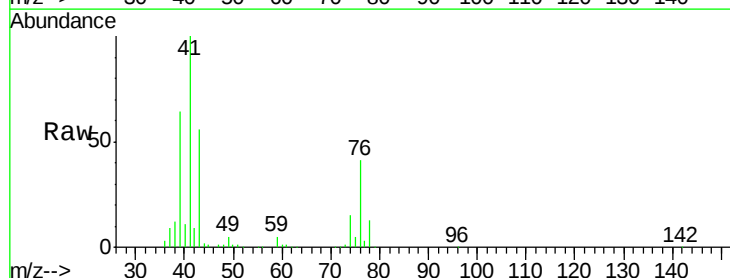
Manual Integrations
APPROVED

MMDadoda
2/12/2019 12:50:18 PM



#18
Methyl Acetate
Concen: 51.103 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 43 Resp: 297409
Ion Ratio Lower Upper
43 100
74 25.1 19.4 29.2





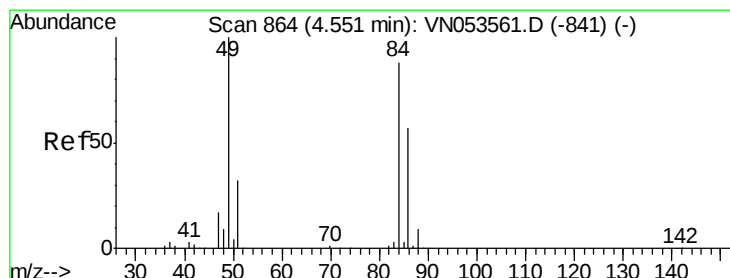
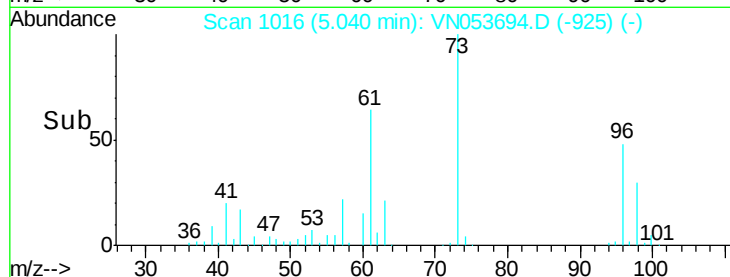
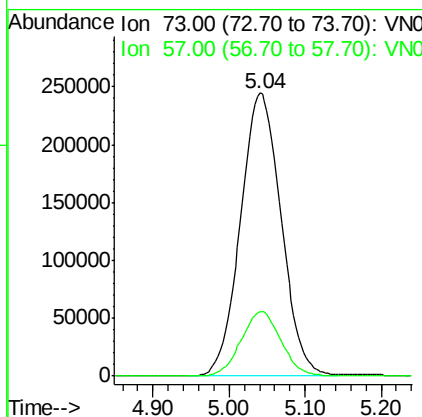
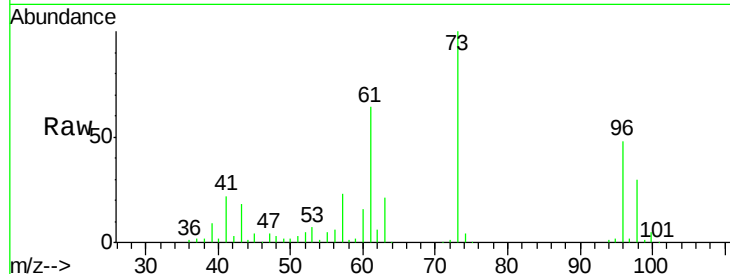
#19
Methvl tert-butvl Ether
Concen: 50.787 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 910493
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5

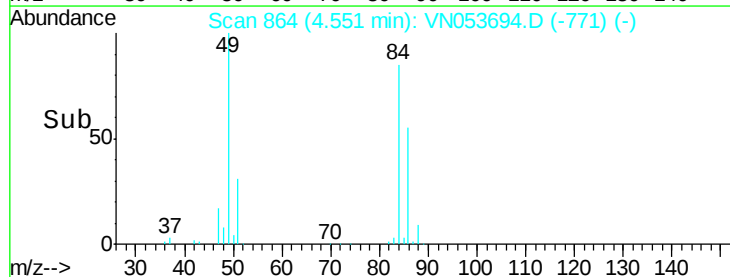
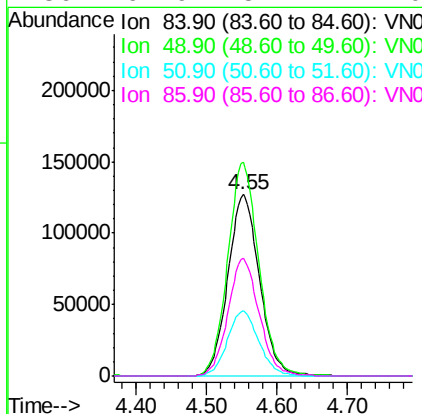
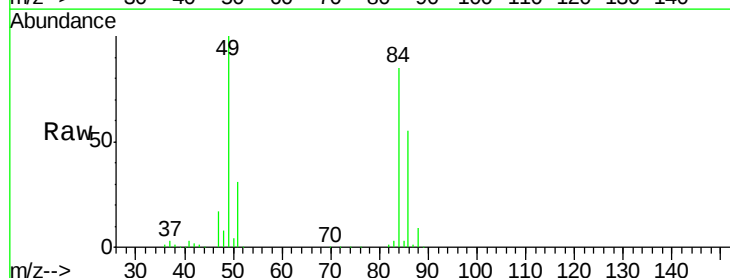
Manual Integrations
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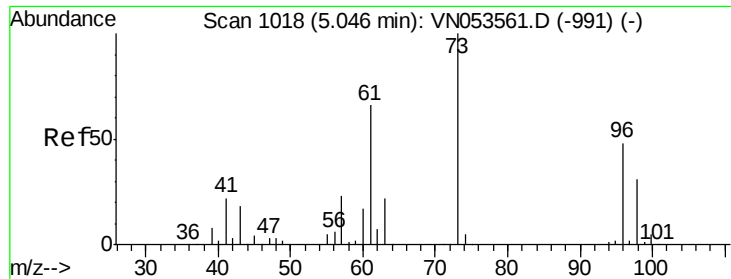
MMDadoda
2/12/2019 12:50:18 PM



#20
Methylene Chloride
Concen: 48.239 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 84 Resp: 397706
Ion Ratio Lower Upper
84 100
49 117.6 94.3 141.5
51 36.1 29.4 44.2
86 64.9 51.4 77.0





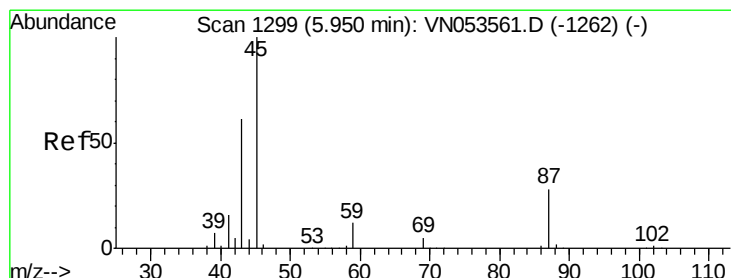
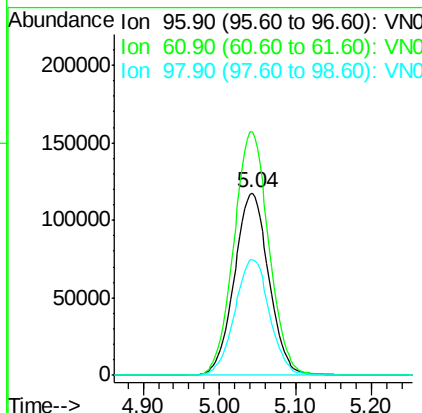
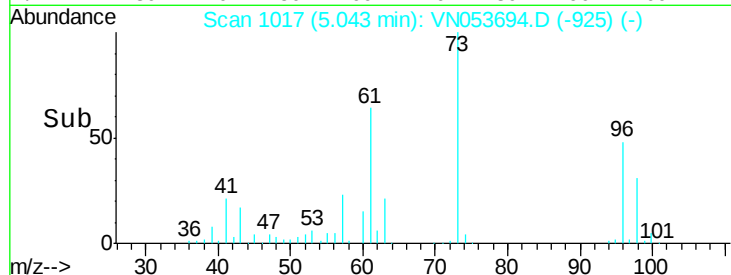
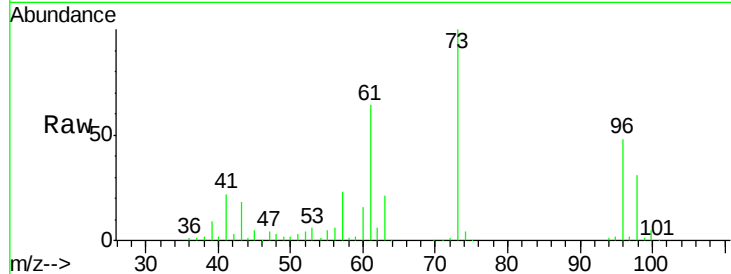
#21
trans-1,2-Dichloroethene
Concen: 48.660 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.5	110.1	165.1
98	63.5	50.0	75.0

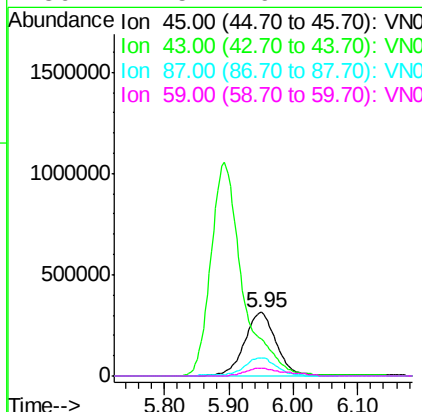
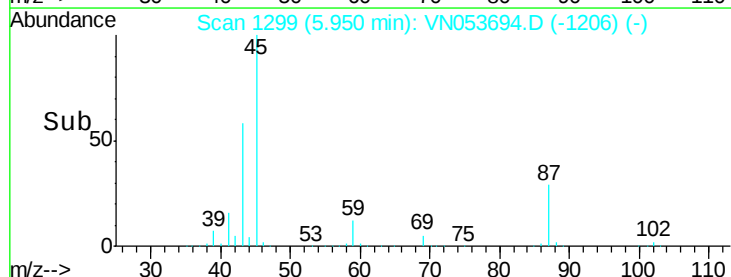
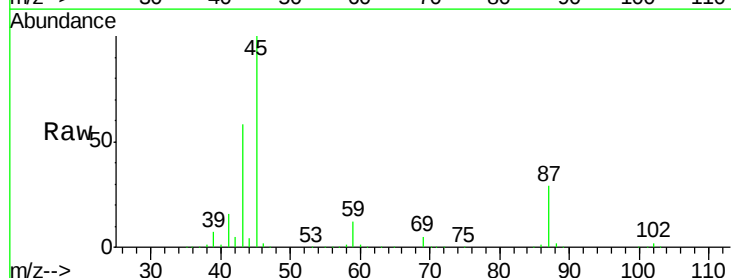
Manual Integrations
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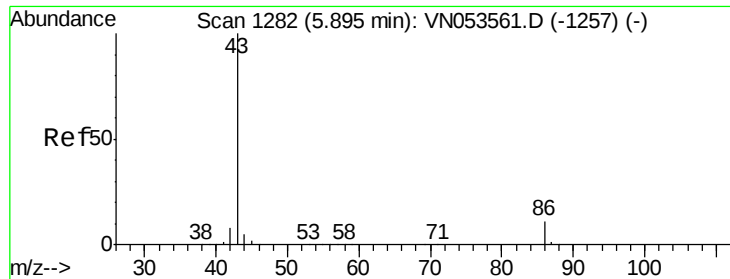
MMDadoda
2/12/2019 12:50:18 PM



#22
Diisopropyl ether
Concen: 52.005 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.5	44.2	66.4
87	28.5	22.7	34.1
59	11.5	9.4	14.2





#23

Vinyl Acetate

Concen: 248.879 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3592135

Ion Ratio Lower Upper

43 100

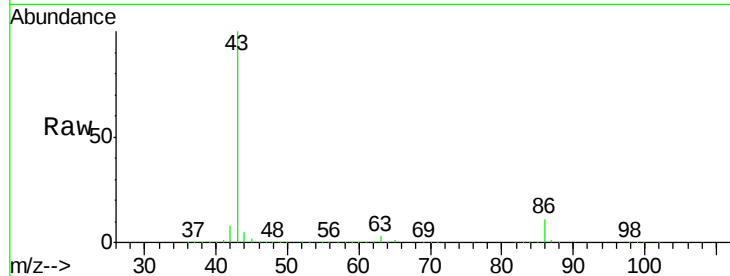
86 10.8 8.4 12.6

Manual Integrations

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MMDadoda

2/12/2019 12:50:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1200000

1000000

800000

600000

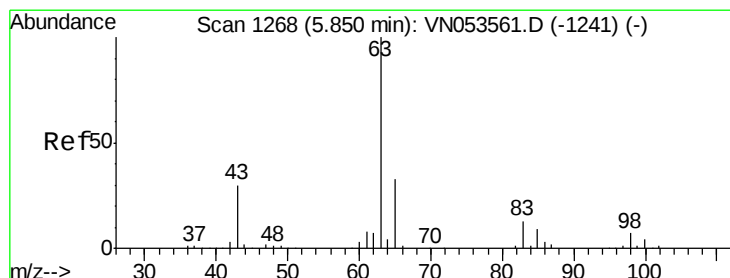
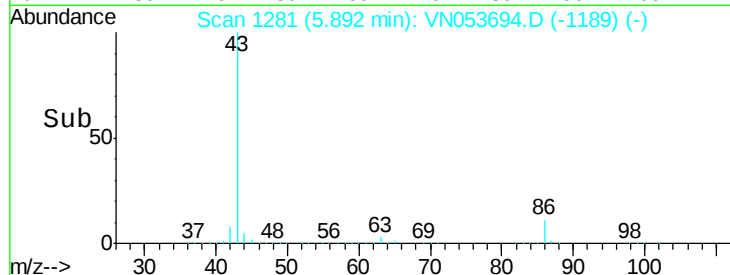
400000

200000

0

5.80 5.89 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 49.715 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

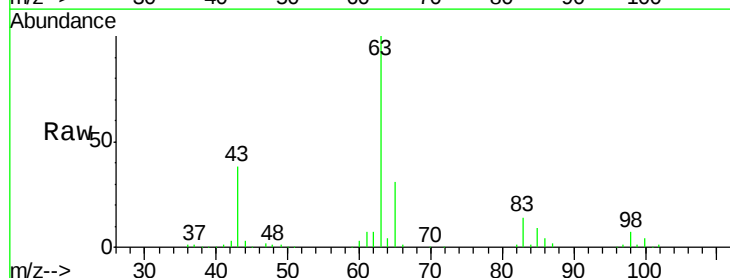
Tgt Ion: 63 Resp: 691833

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.9

100 4.2 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

300000

250000

200000

150000

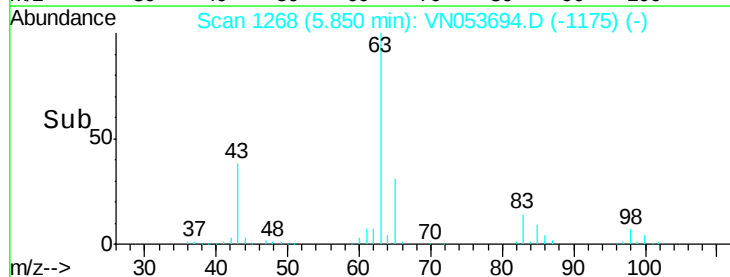
100000

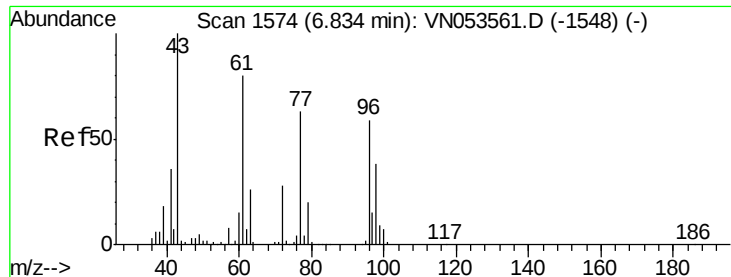
50000

0

5.70 5.80 5.85 5.90 6.00

Time-->





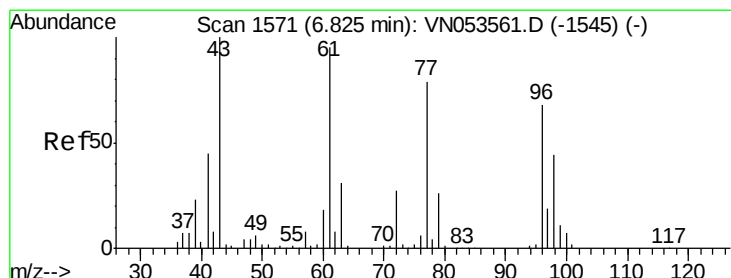
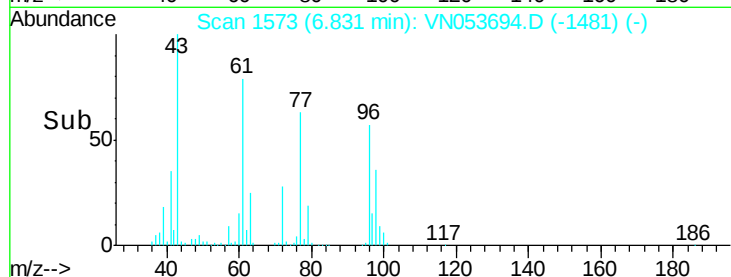
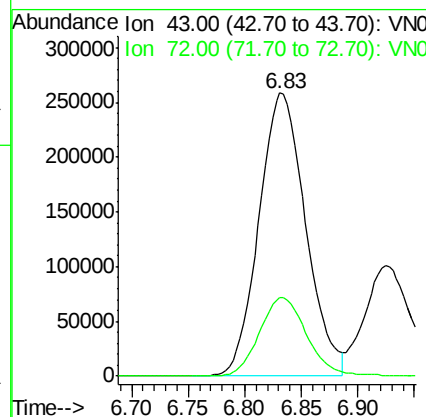
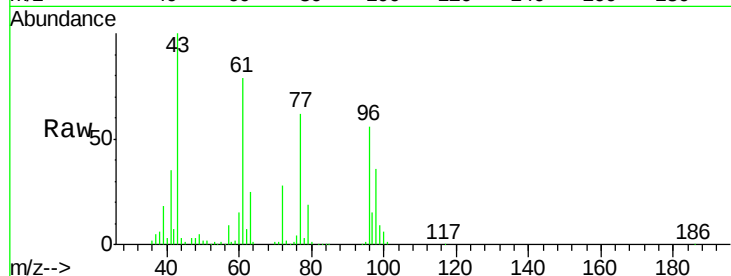
#25
2-Butanone
Concen: 264.274 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 740679
Ion Ratio Lower Upper
43 100
72 28.0 22.0 33.0

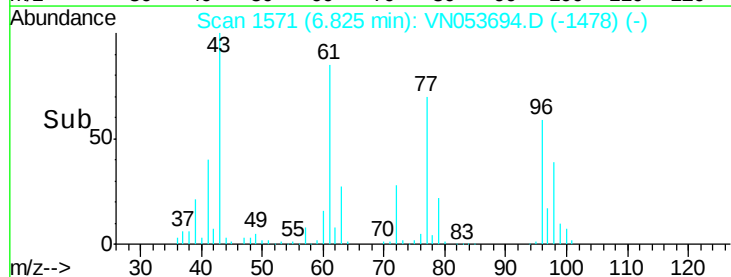
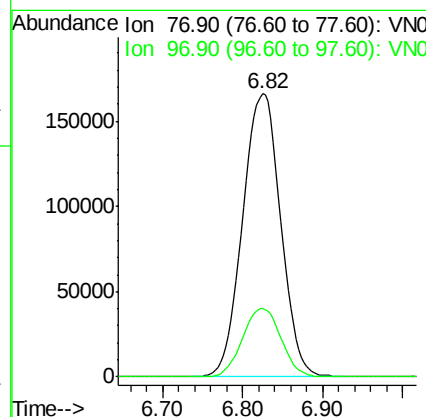
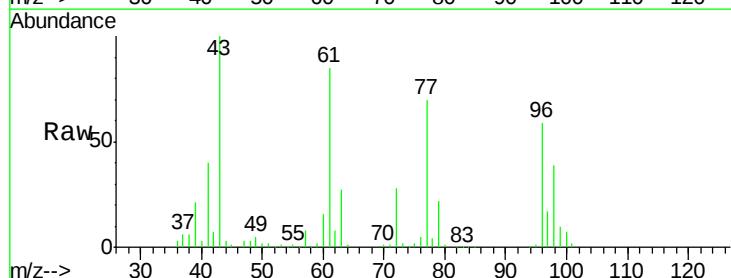
Manual Integrations
APPROVED

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2/12/2019 12:50:18 PM



#26
2,2-Dichloropropane
Concen: 50.543 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 77 Resp: 536917
Ion Ratio Lower Upper
77 100
97 24.5 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 50.107 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

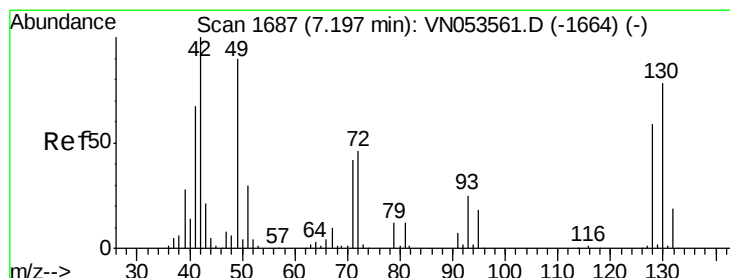
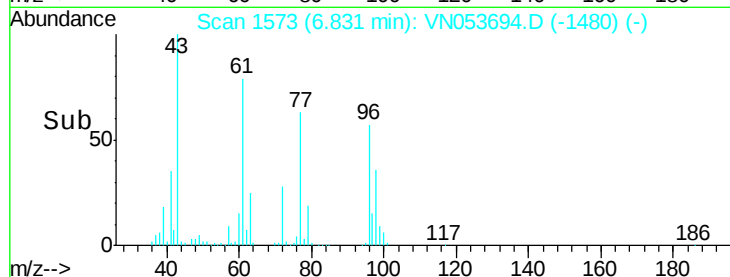
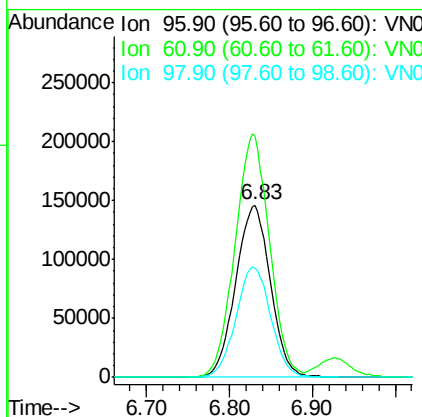
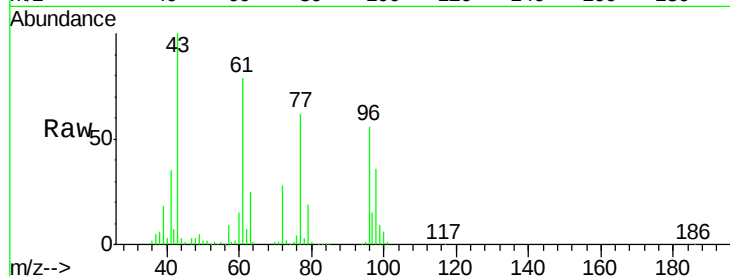
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	425103
Ion	Ratio	Lower	Upper
96	100		
61	140.4	0.0	283.8
98	64.3	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 51.139 ug/l

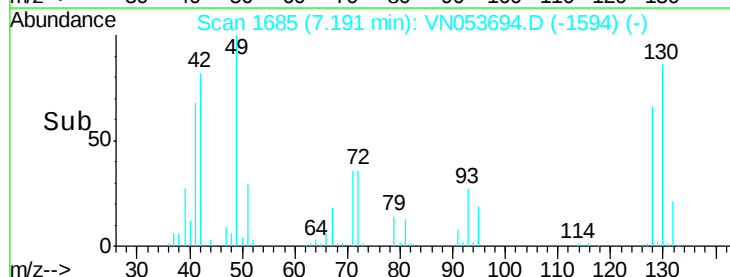
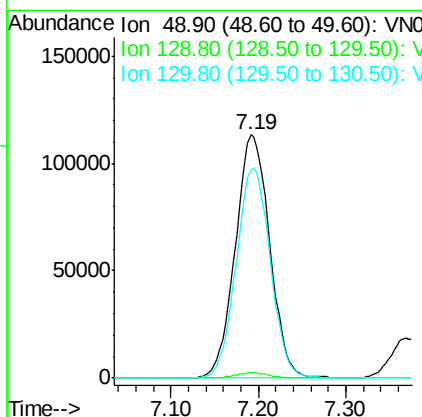
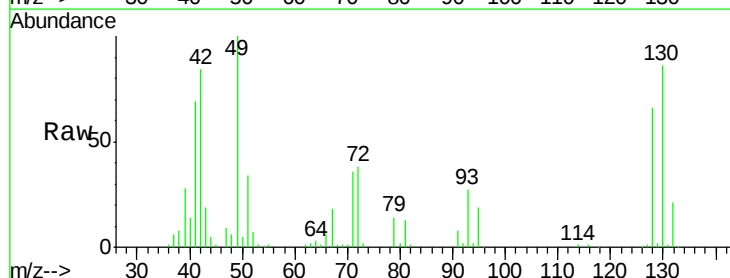
RT: 7.19 min Scan# 1685

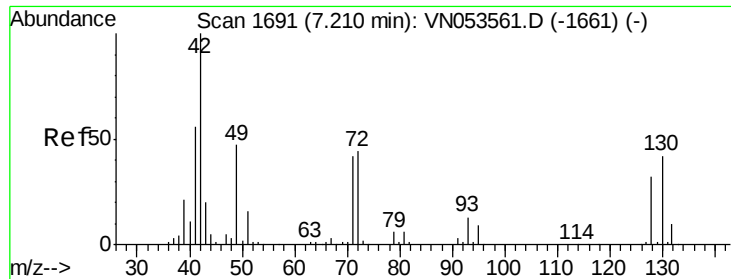
Delta R.T. -0.01 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Tgt Ion:	49	Resp:	308824
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	85.9	66.3	99.5





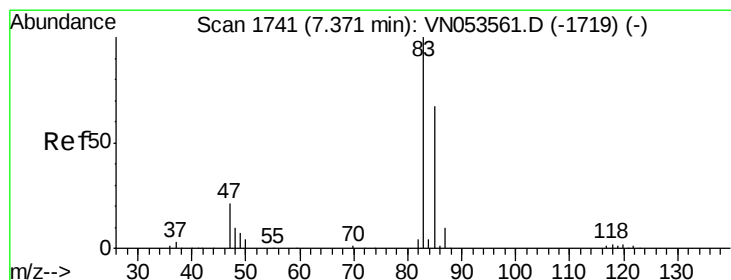
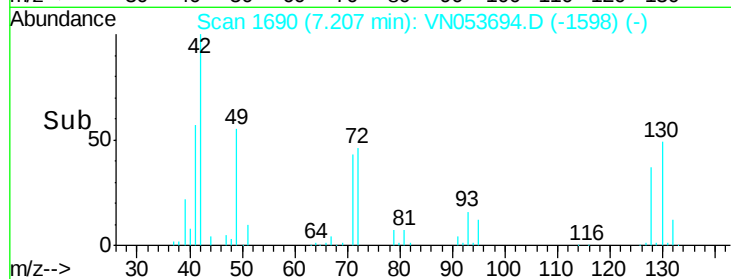
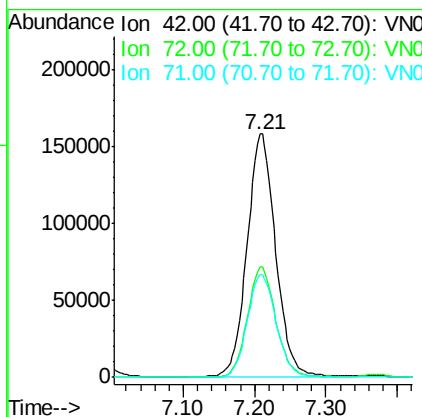
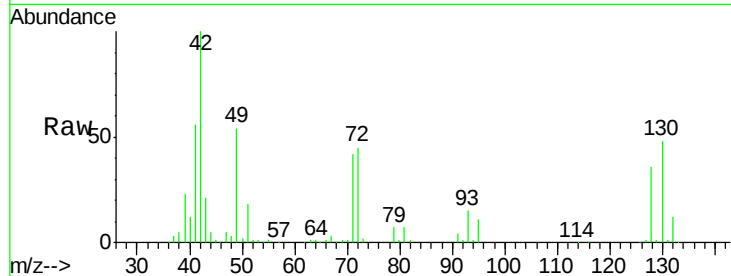
#29
Tetrahydrofuran
Concen: 244.472 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.2	52.8
71	42.6	33.0	49.4

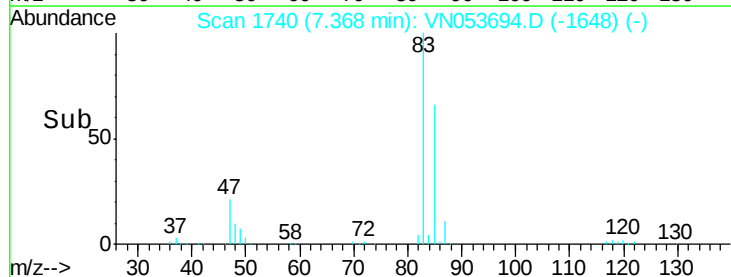
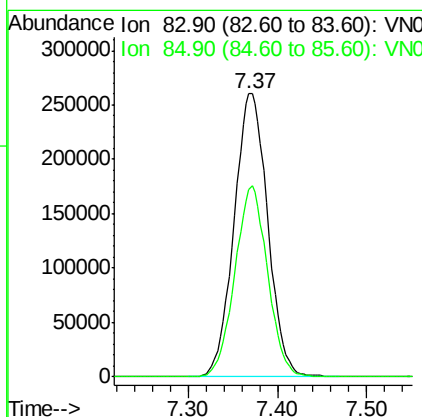
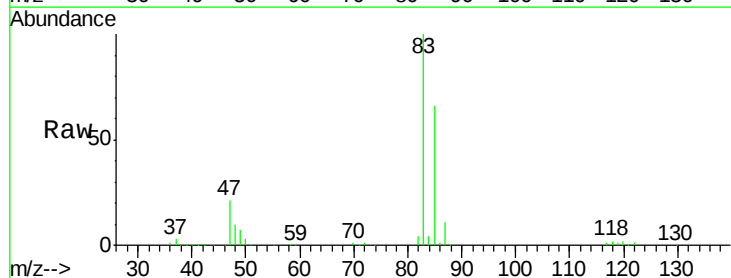
Manual Integrations
APPROVED

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#30
Chloroform
Concen: 49.345 ug/l
RT: 7.37 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.2





#31

Cyclohexane

Concen: 48.097 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

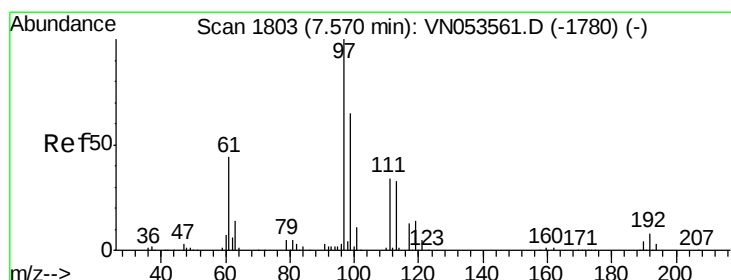
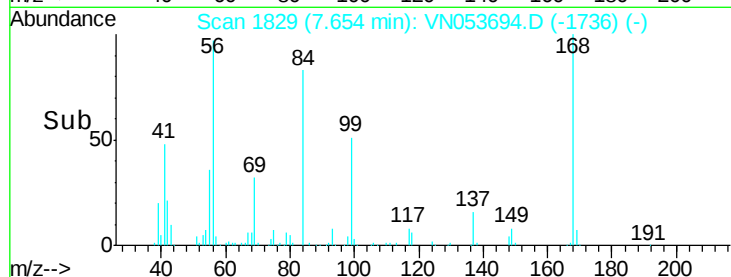
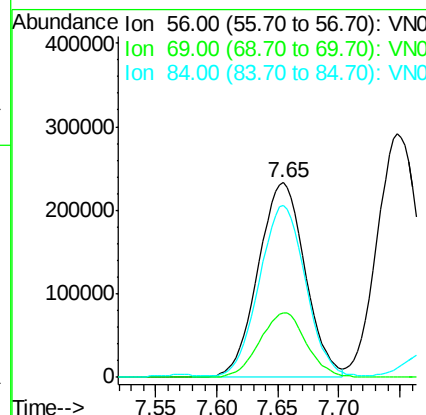
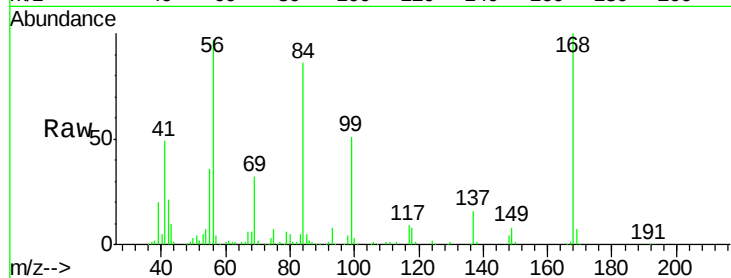
ClientSampleID :

VSTDCCC050

Tot Ion:	56	Resp:	623240
Ion Ratio	Lower	Upper	
56	100		
69	33.4	26.4	39.6
84	87.5	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.019 ug/l

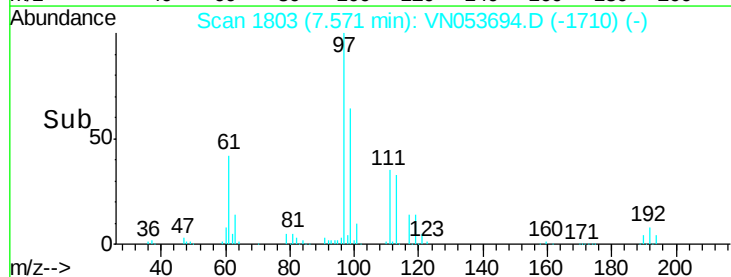
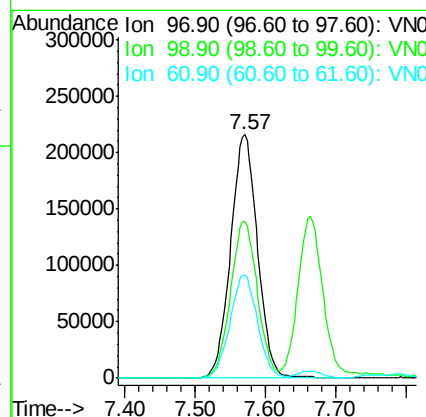
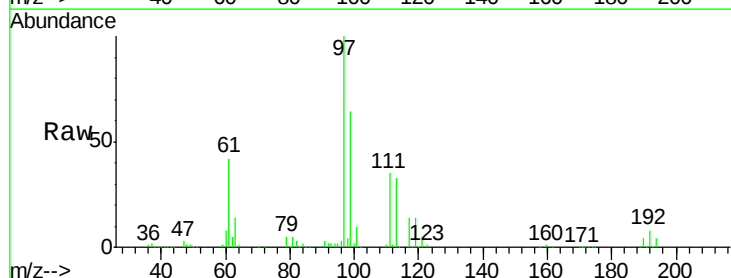
RT: 7.57 min Scan# 1803

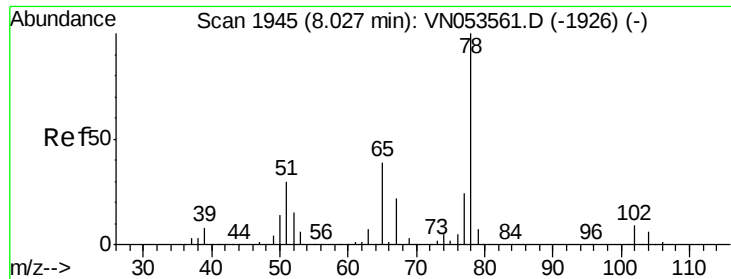
Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Tgt Ion:	97	Resp:	574224
Ion Ratio	Lower	Upper	
97	100		
99	64.6	52.0	78.0
61	43.1	34.4	51.6





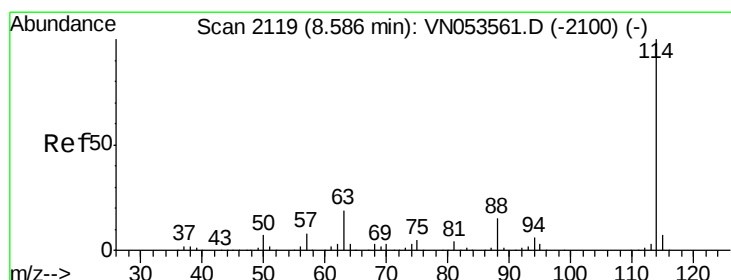
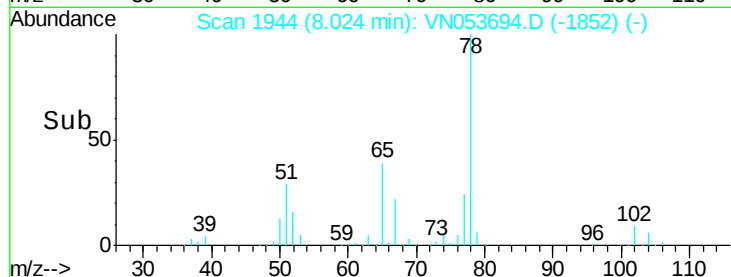
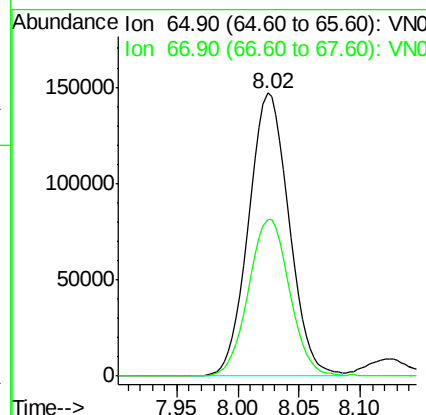
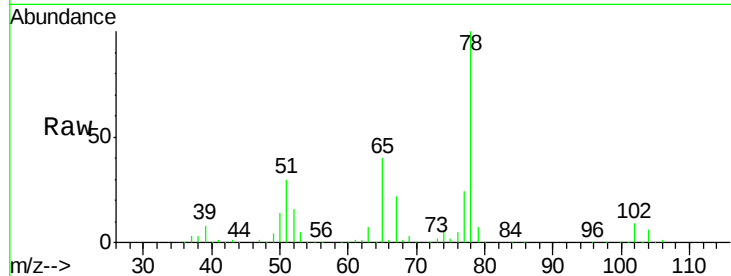
#33
 1,2-Dichloroethane-d4
 Concen: 44.003 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	337114		
67	56.2	0.0	111.2	

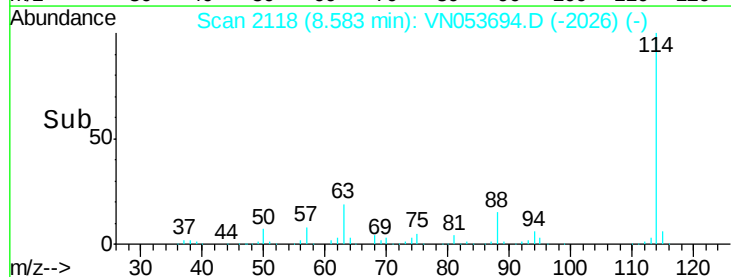
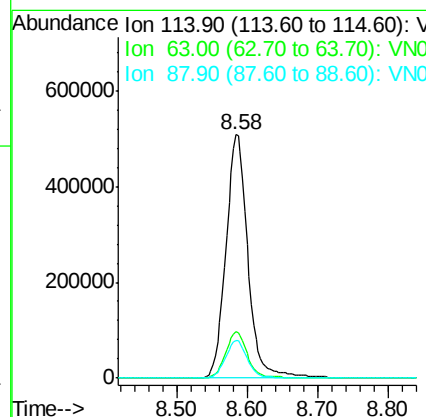
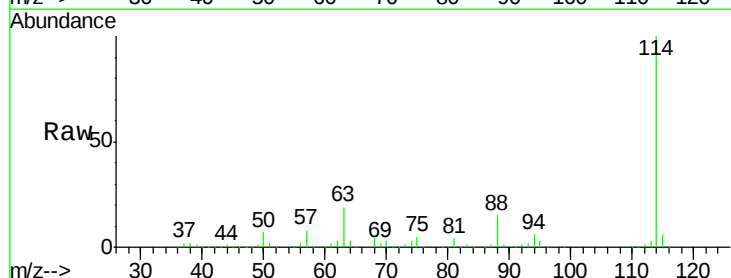
Manual Integrations
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1107146		
63	18.9	0.0	38.6	
88	15.3	0.0	30.4	





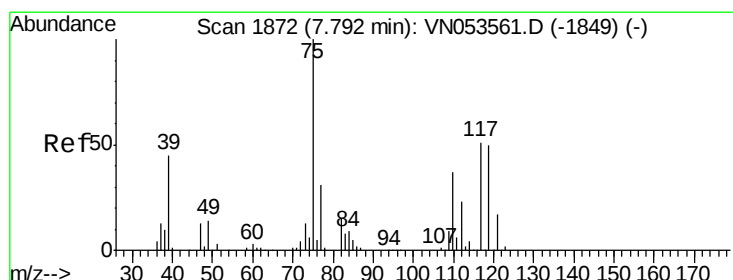
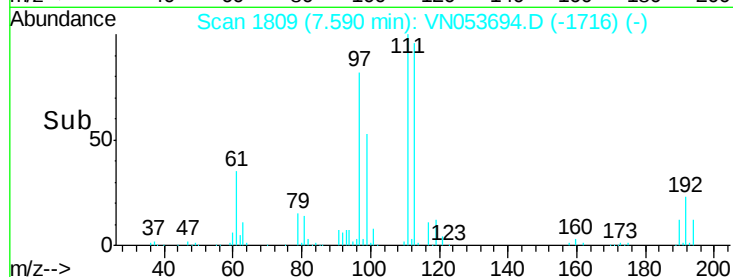
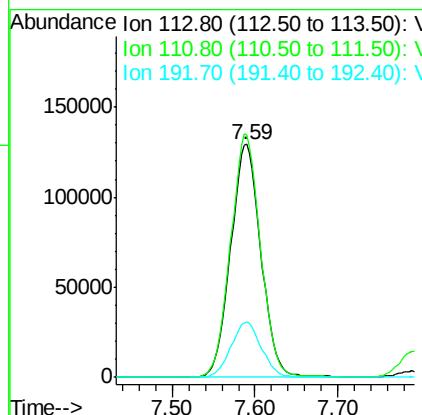
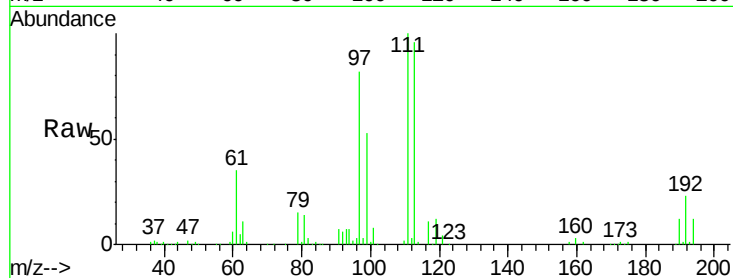
#35
Dibromofluoromethane
Concen: 46.925 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	81.1	121.7	
192	23.7	18.2	27.2	

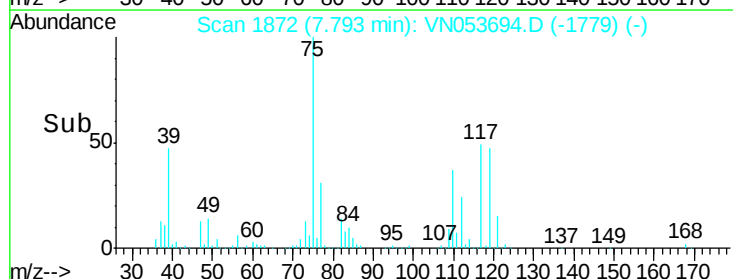
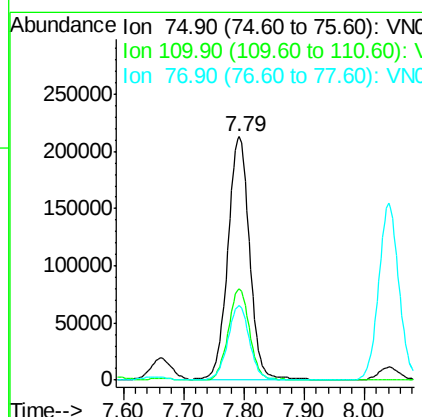
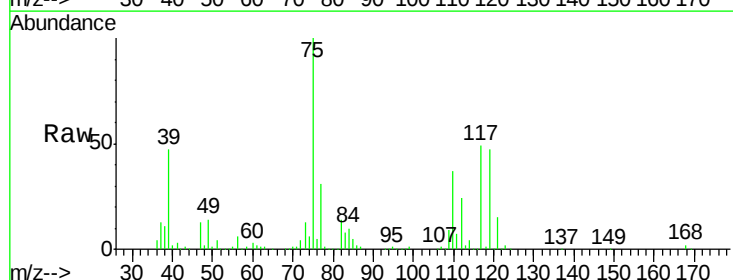
Manual Integrations
APPROVED

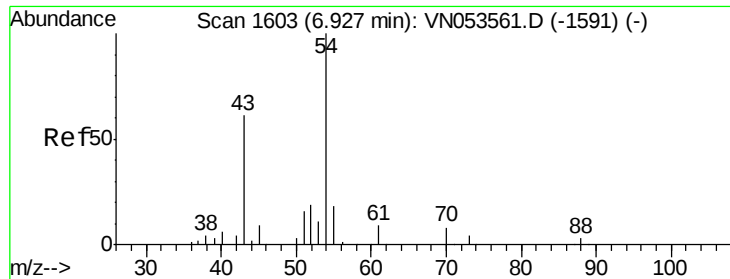
MMDadoda
2/12/2019 12:50:18 PM



#36
1,1-Dichloropropene
Concen: 53.526 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.6	18.1	54.3	
77	30.7	25.1	37.7	





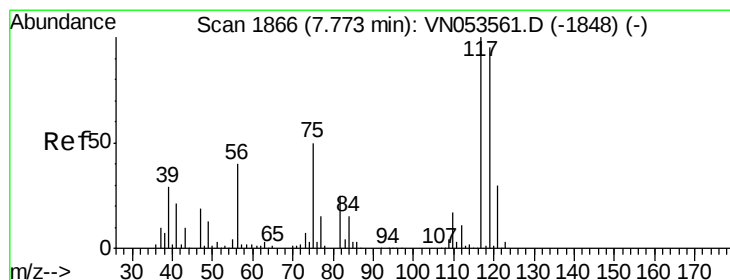
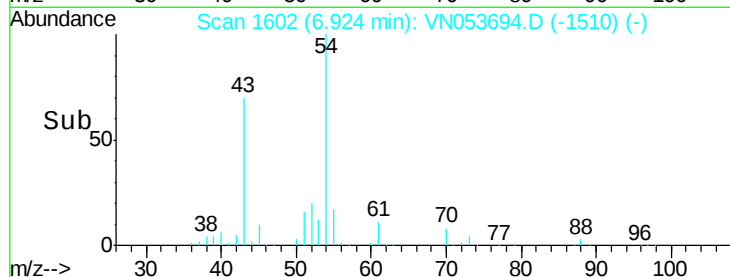
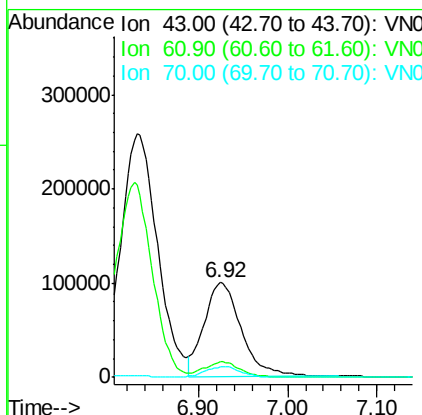
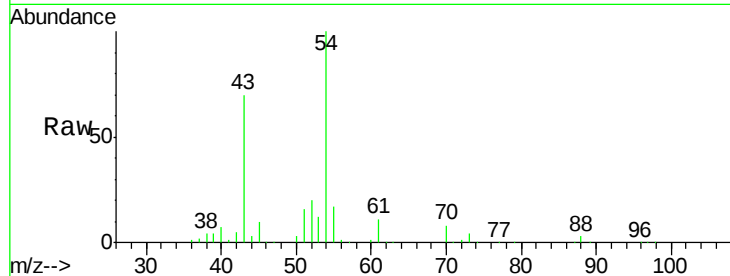
#37
Ethyl Acetate
Concen: 51.837 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.6
70	11.0	8.6	12.8

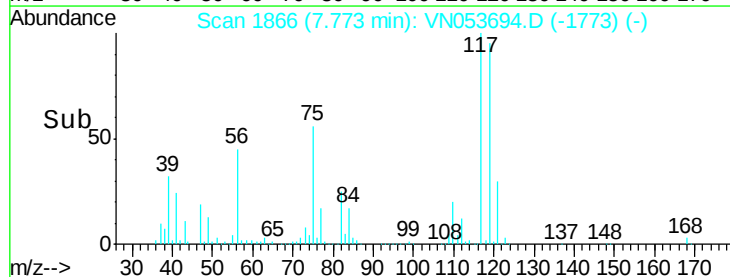
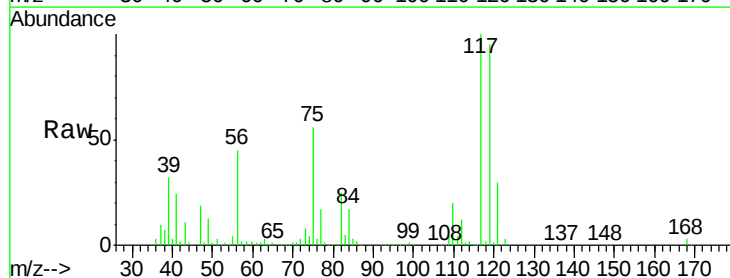
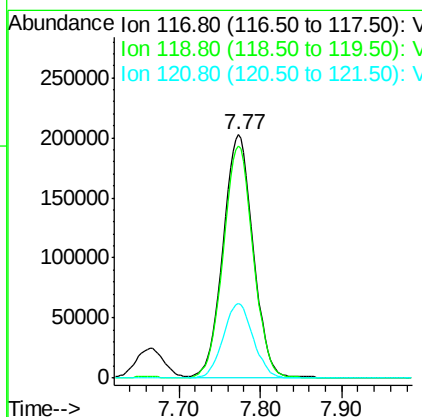
Manual Integrations
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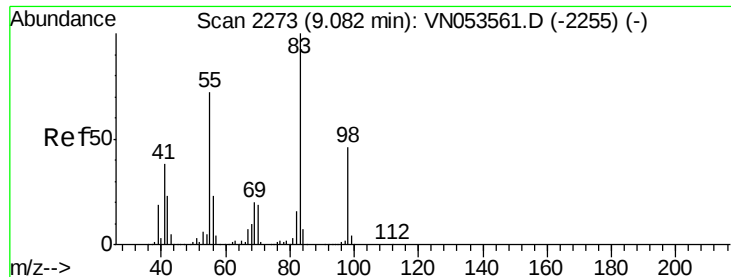
MMDadoda
2/12/2019 12:50:18 PM



#38
Carbon Tetrachloride
Concen: 52.117 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.2	115.8
121	30.5	24.6	37.0





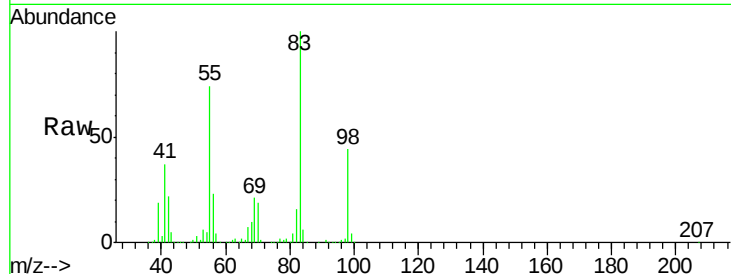
#39
Methvlcvclohexane
Concen: 54.043 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	639893		
55	74.2		60.1	90.1
98	44.3		36.6	55.0

Manual Integrations
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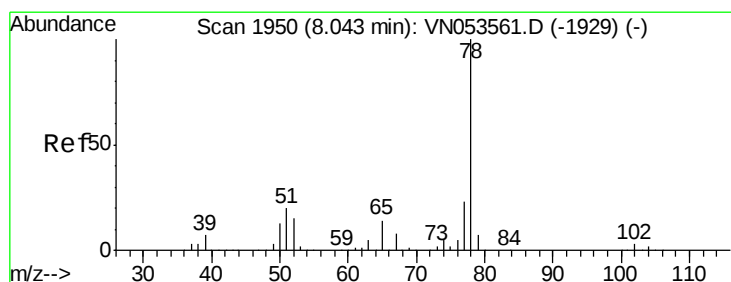
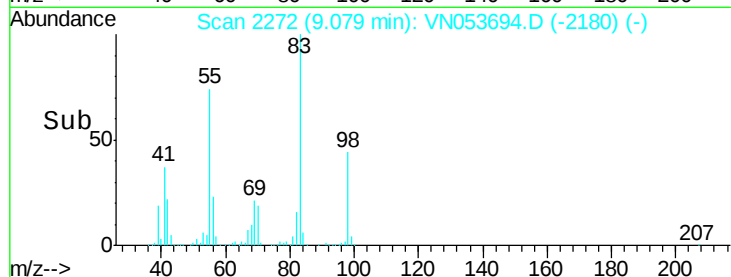
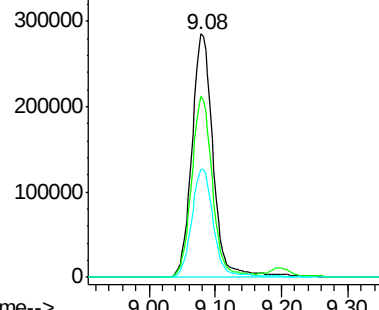
MMDadoda
2/12/2019 12:50:18 PM



Abundance Ion 83.00 (82.70 to 83.70): VN053561.D (-2255) (-)

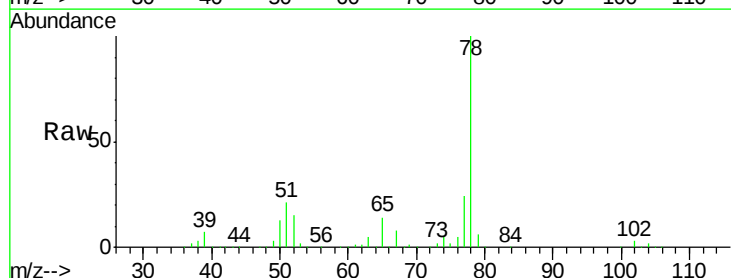
Ion 55.00 (54.70 to 55.70): VN053561.D (-2255) (-)

Ion 98.00 (97.70 to 98.70): VN053561.D (-2255) (-)



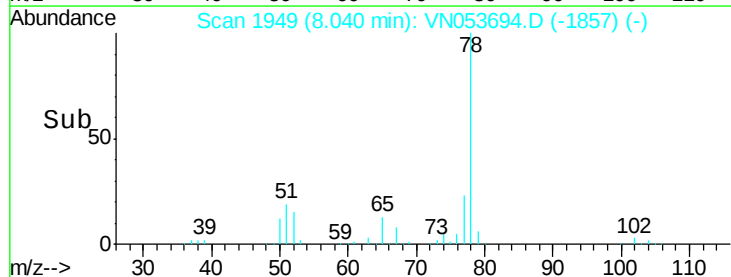
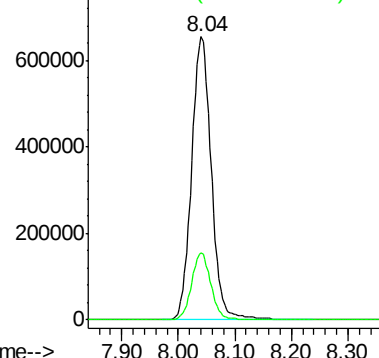
#40
Benzene
Concen: 51.549 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

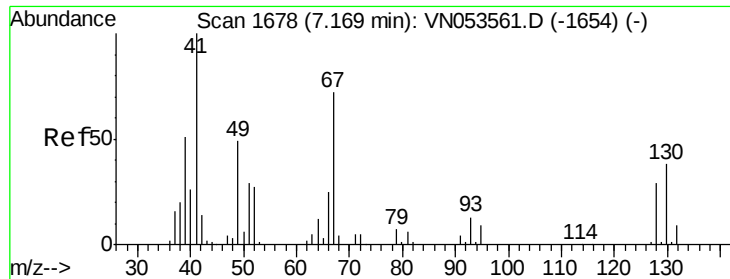
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1586480		
77	23.7		18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VN053561.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN053561.D (-1929) (-)





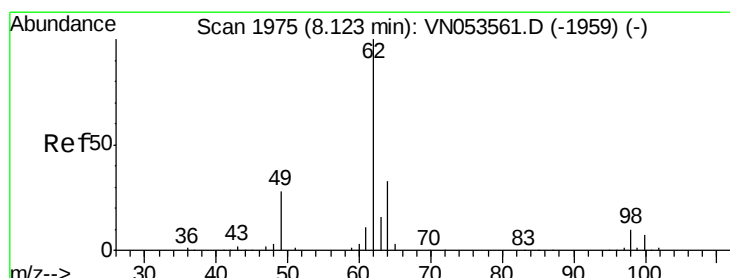
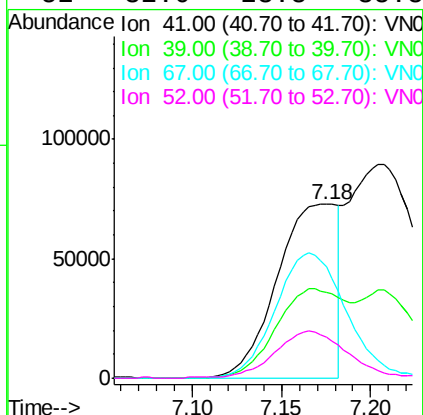
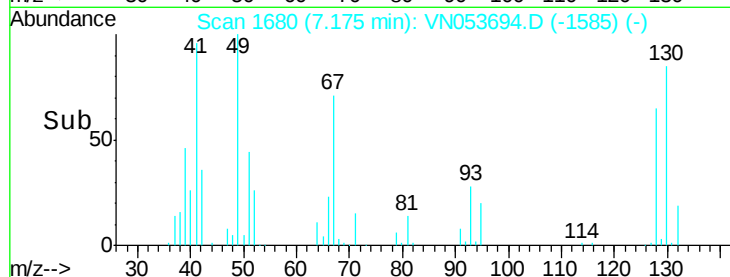
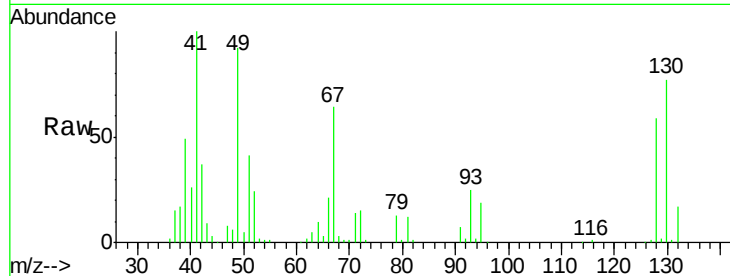
#41
Methacrylonitrile
Concen: 54.476 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		169710		
39	58.5	46.8	70.2		
67	86.9	63.0	94.6		
52	32.0	23.8	35.8		

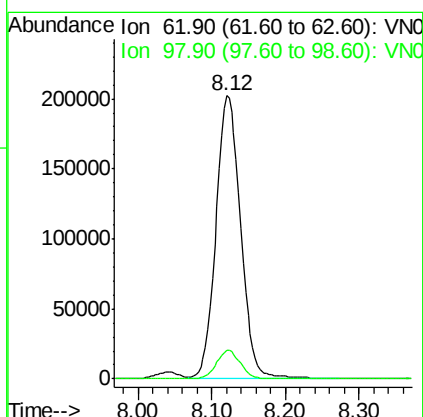
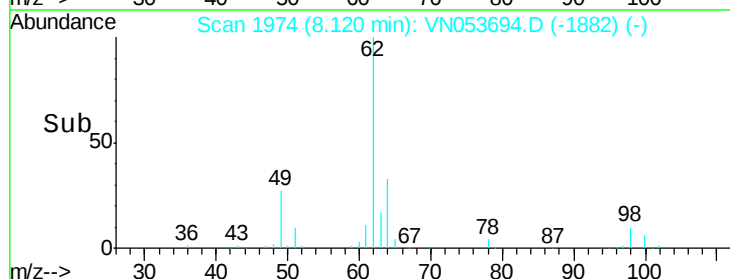
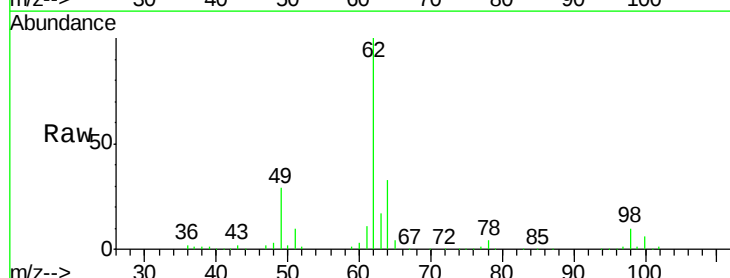
Manual Integrations
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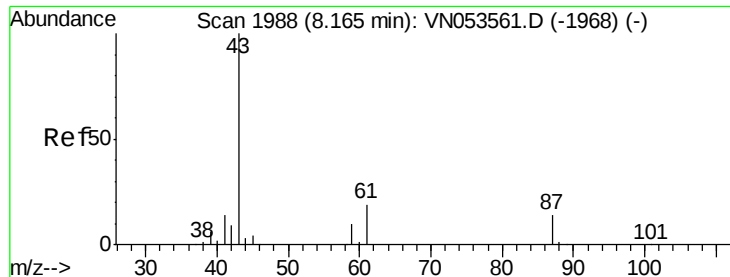
MMDadoda
2/12/2019 12:50:18 PM



#42
1,2-Dichloroethane
Concen: 51.349 ug/l
RT: 8.12 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		469240		
98	9.8	0.0	19.6		





#43

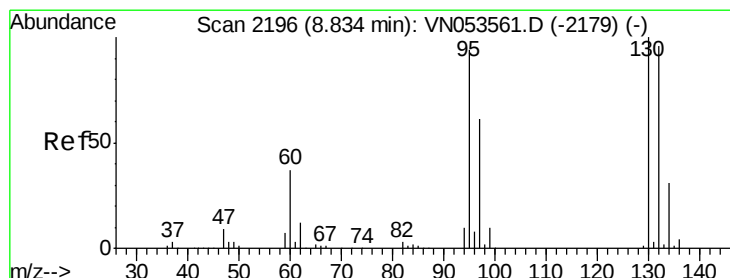
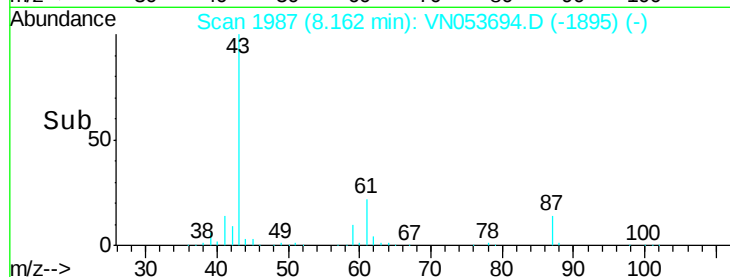
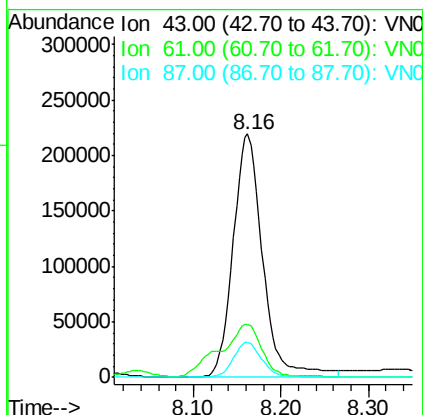
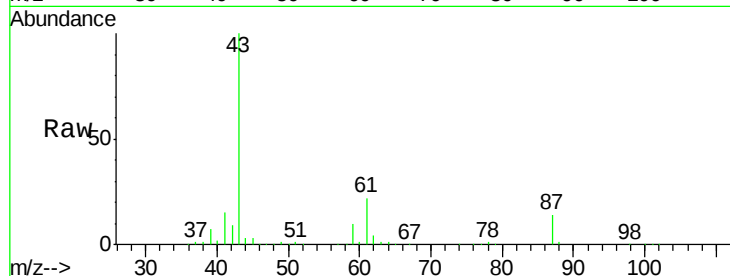
Isopropyl Acetate
 Concen: 47.819 ug/l
 RT: 8.16 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.9	35.9
87	14.1	11.0	16.6

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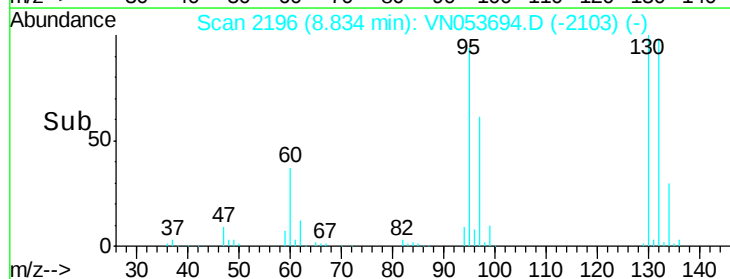
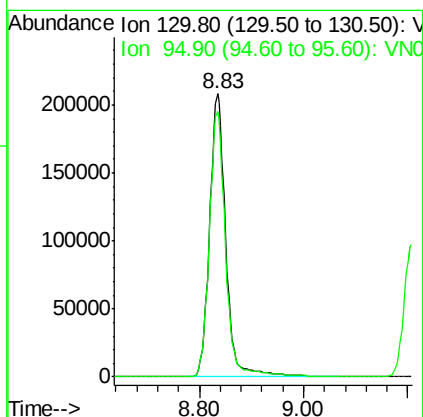
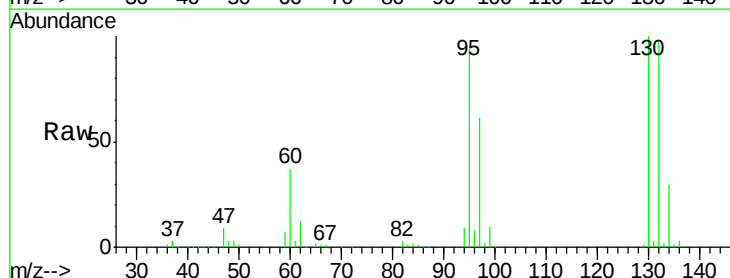
MMDadoda
 2/12/2019 12:50:18 PM



#44

Trichloroethene
 Concen: 51.513 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	191.4





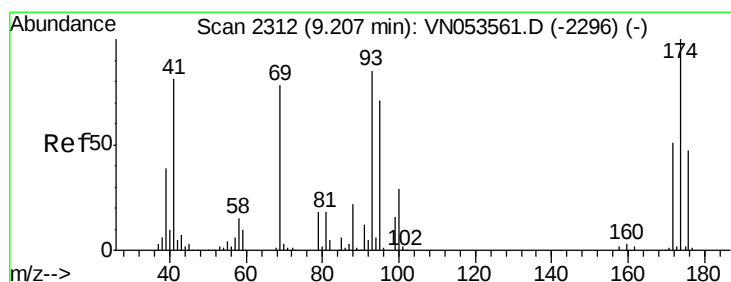
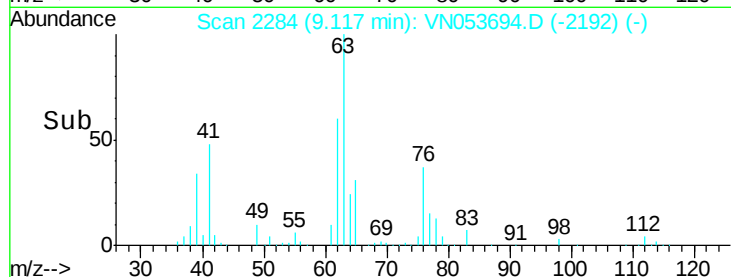
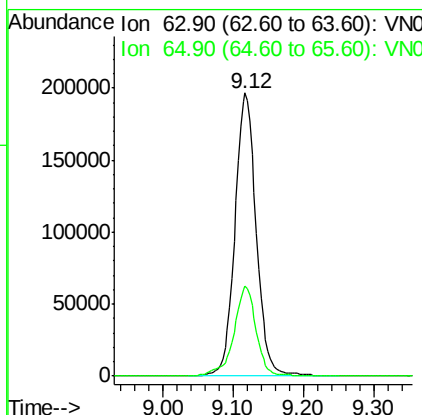
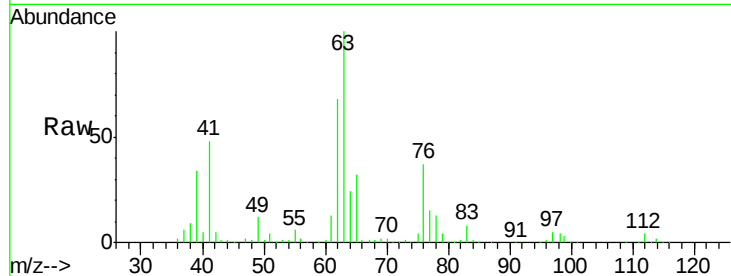
#45
 1,2-Dichloropropane
 Concen: 52.824 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 415819
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.4

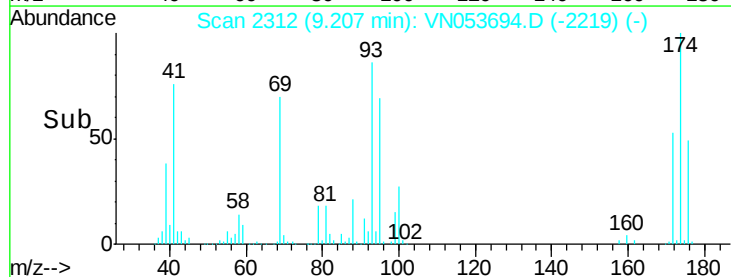
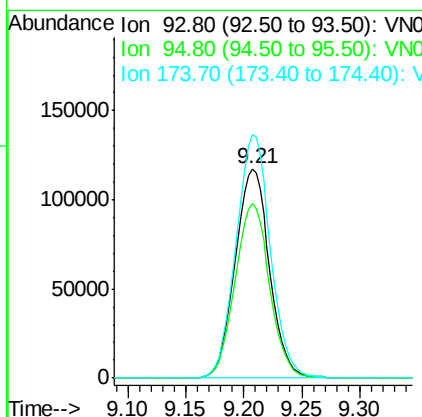
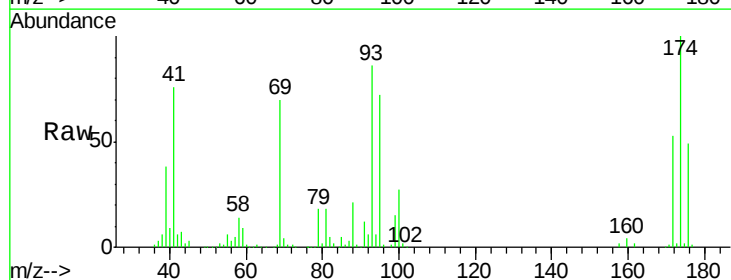
Manual Integrations
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#46
 Dibromomethane
 Concen: 50.726 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion: 93 Resp: 240710
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.3 100.9
 174 117.0 91.0 136.4





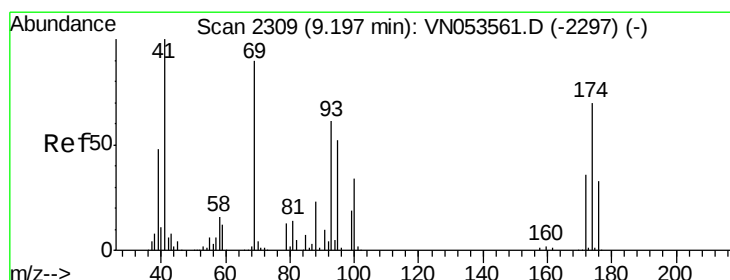
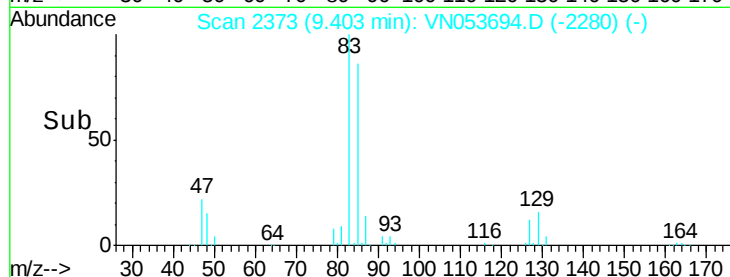
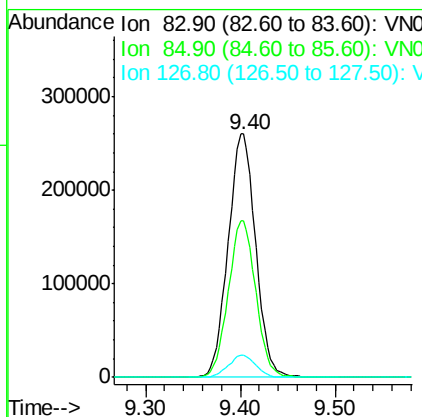
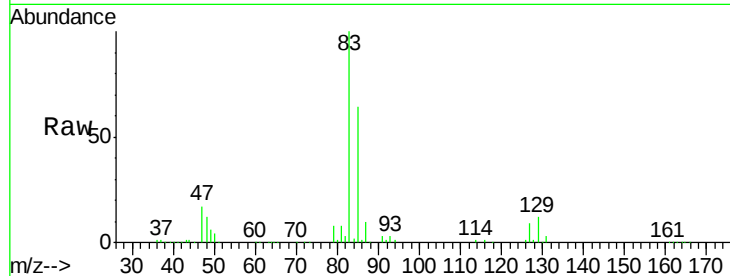
#47
Bromodichloromethane
Concen: 53.226 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.0	76.6
127	9.1	7.0	10.6

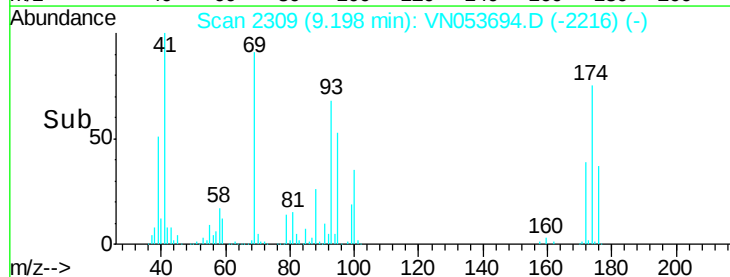
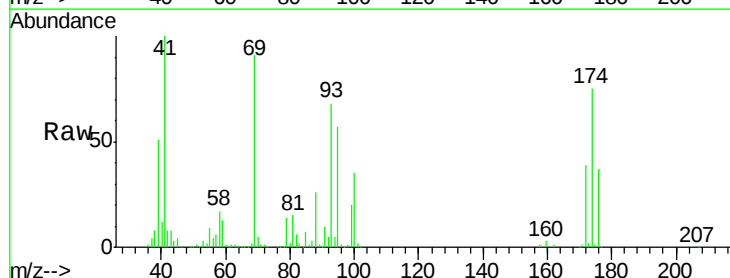
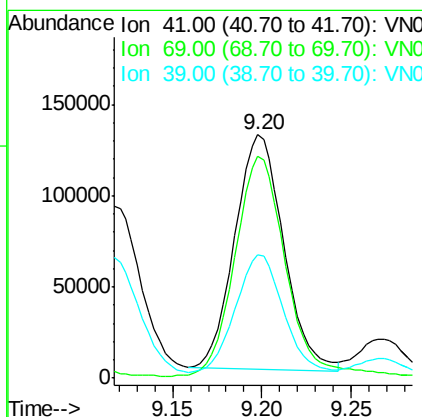
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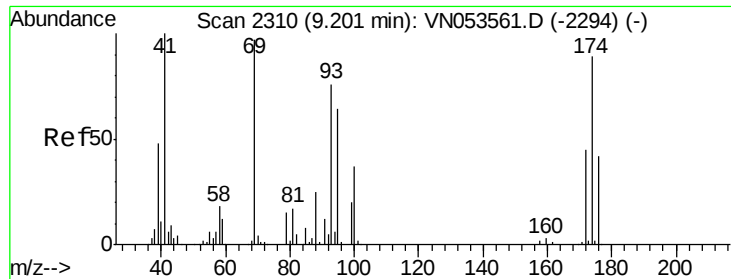
MMDadoda
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#48
Methyl methacrylate
Concen: 47.807 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Lower	Upper
41	100		
69	100.2	73.8	110.6
39	54.0	40.0	60.0





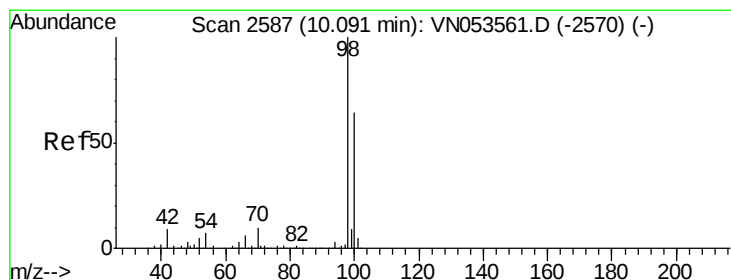
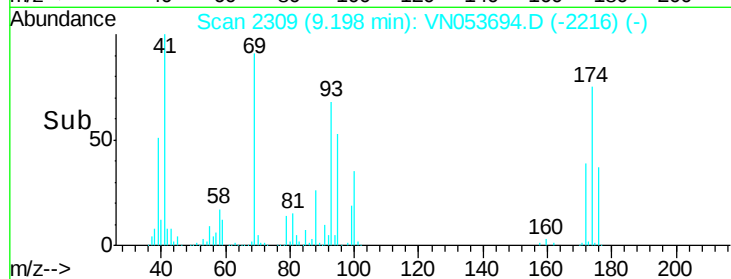
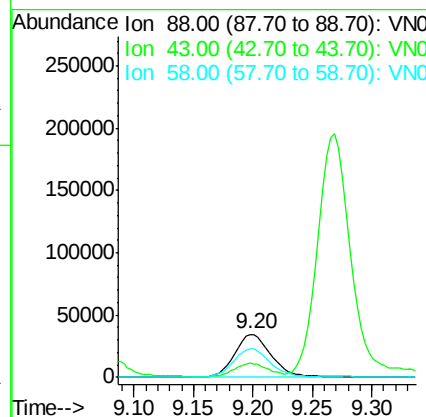
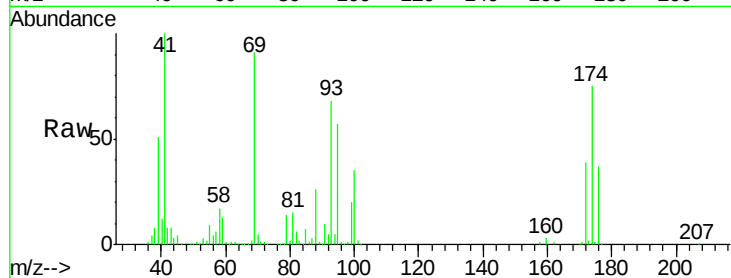
#49
1,4-Dioxane
Concen: 996.692 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	74199
Ion	Ratio	Lower	Upper
88	100		
43	28.5	27.8	41.6
58	66.5	56.5	84.7

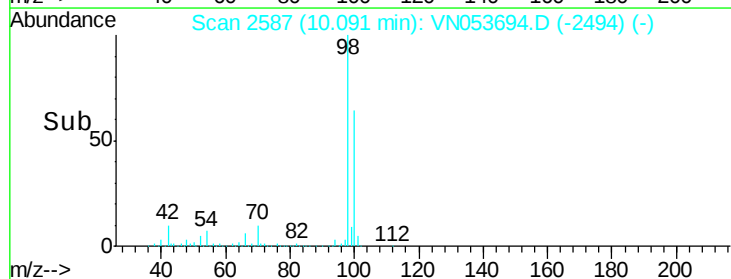
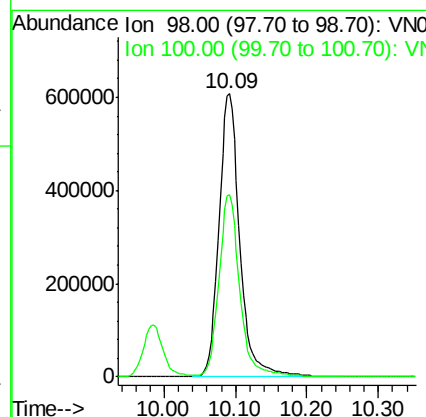
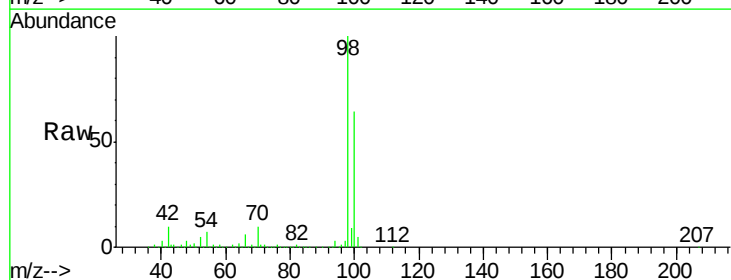
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#50
Toluene-d8
Concen: 46.712 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion	98	Resp	1227009
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 262.729 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1389767

Ion Ratio Lower Upper

43 100

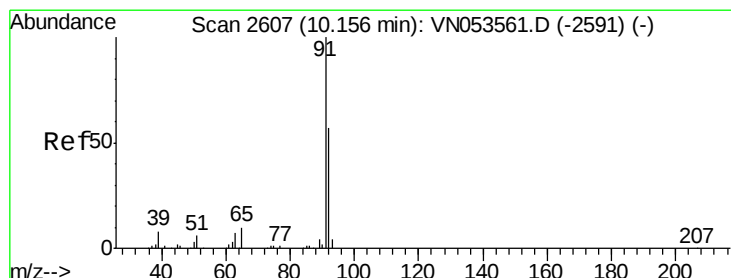
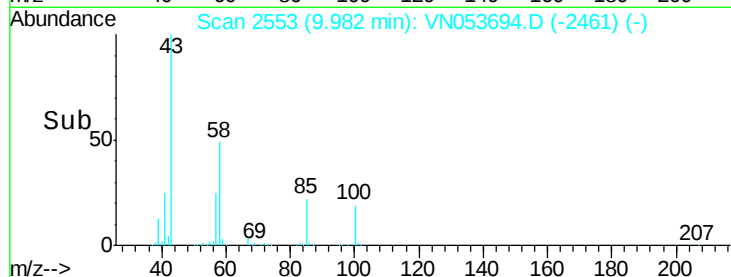
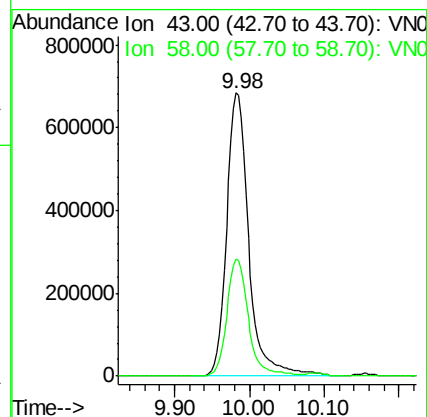
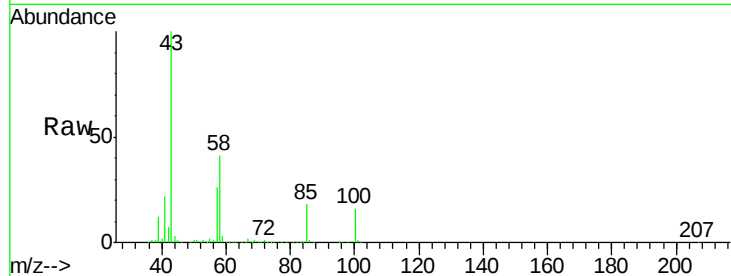
58 40.6 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 52.686 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053694.D

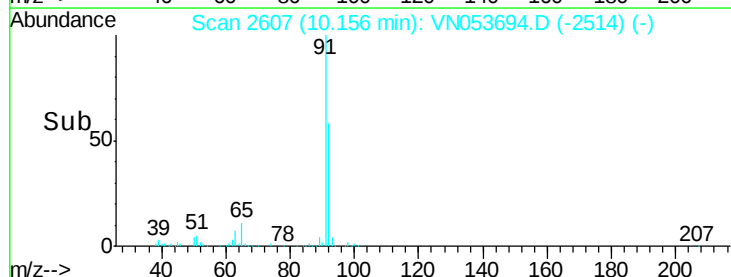
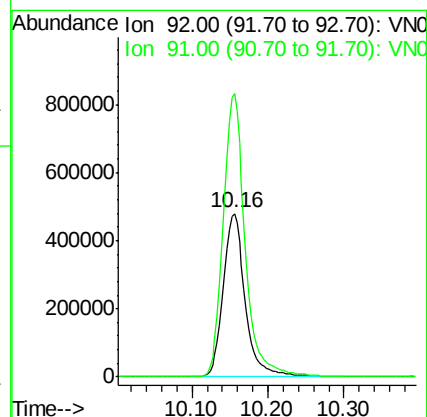
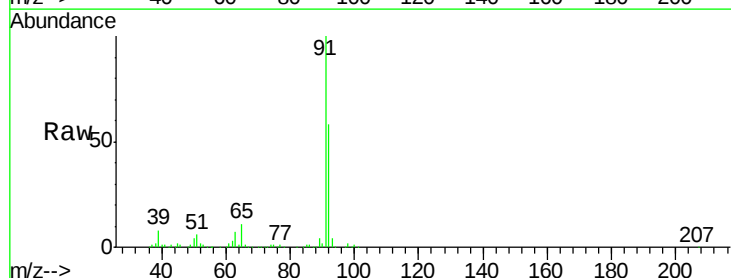
Acq: 11 Feb 2019 9:57

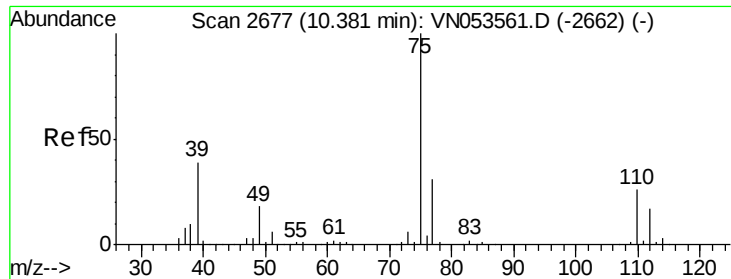
Tgt Ion: 92 Resp: 962353

Ion Ratio Lower Upper

92 100

91 173.5 139.9 209.9





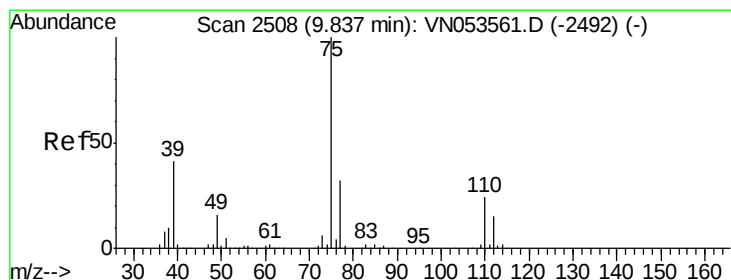
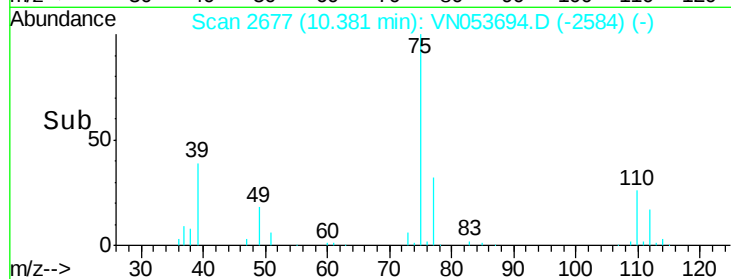
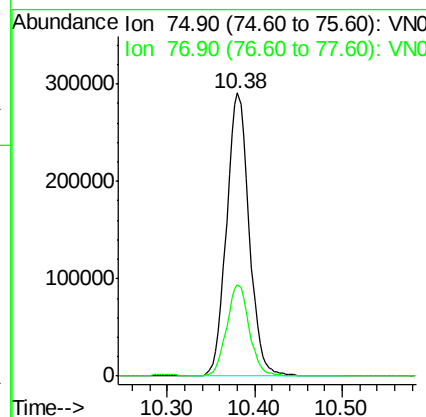
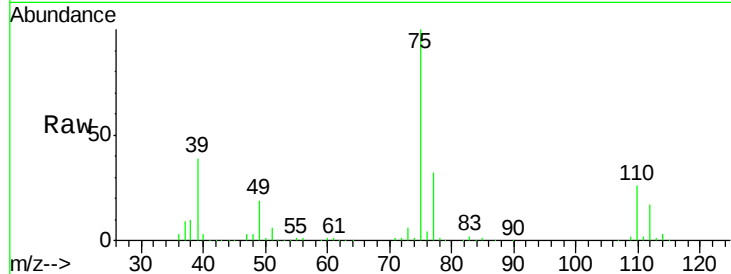
#53
 t-1,3-Dichloropropene
 Concen: 52.790 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 521544
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.5 38.3

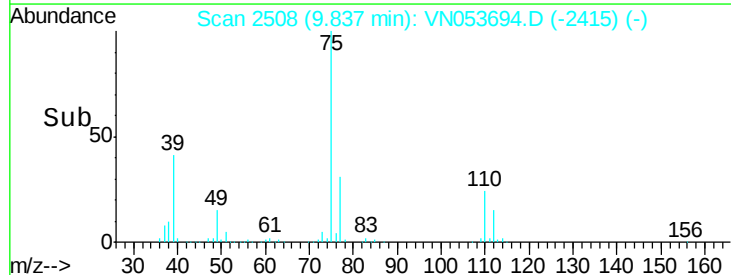
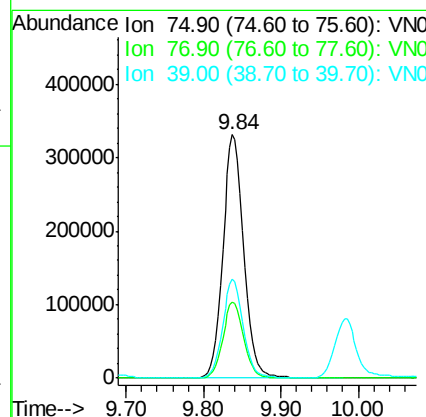
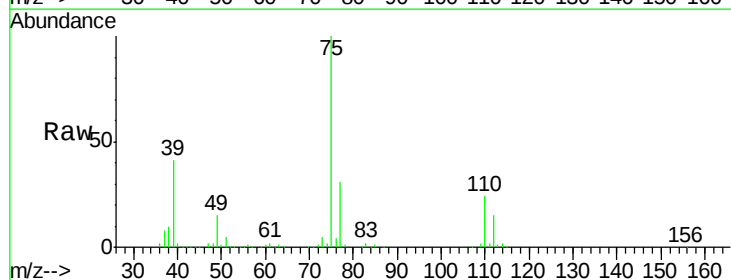
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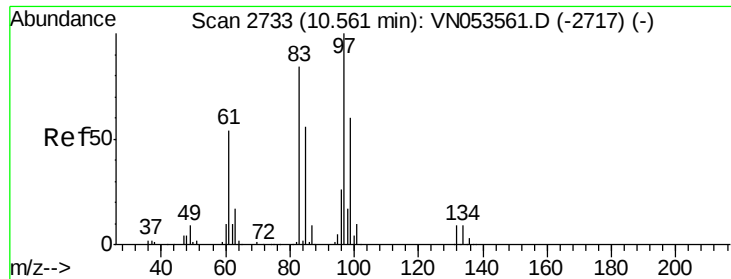
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#54
 cis-1,3-Dichloropropene
 Concen: 53.168 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion: 75 Resp: 622449
 Ion Ratio Lower Upper
 75 100
 77 31.3 25.8 38.6
 39 40.5 33.4 50.0





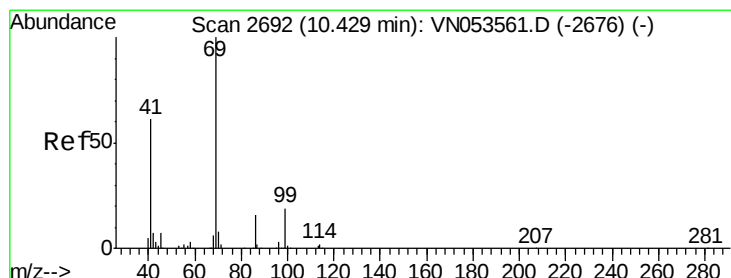
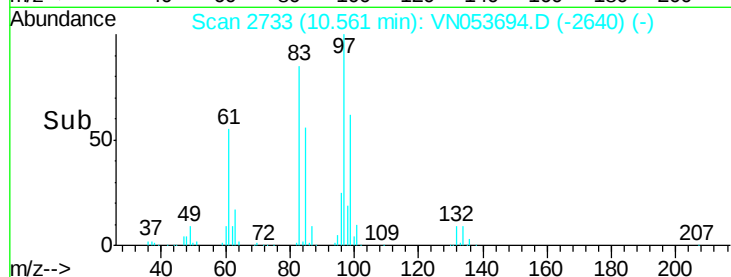
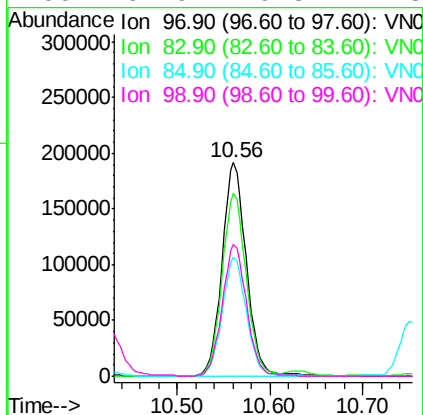
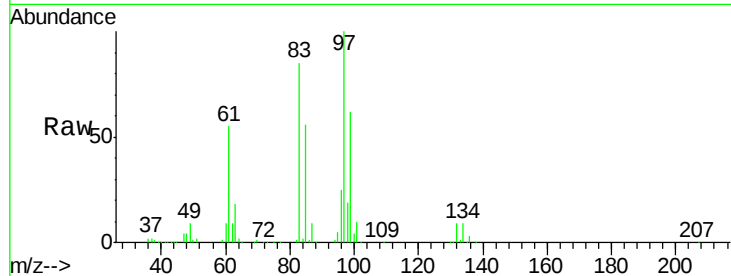
#55
 1,1,2-Trichloroethane
 Concen: 52.937 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		348423		
83	85.4	70.1	105.1		
85	56.0	45.4	68.0		
99	61.9	49.8	74.8		

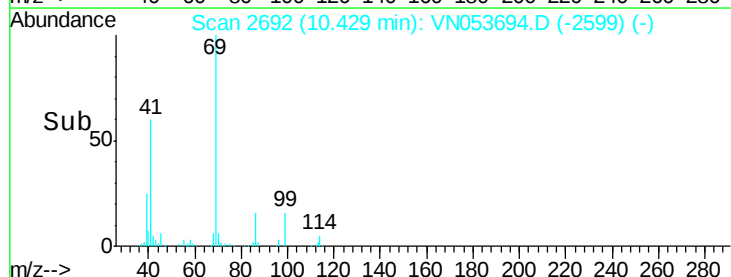
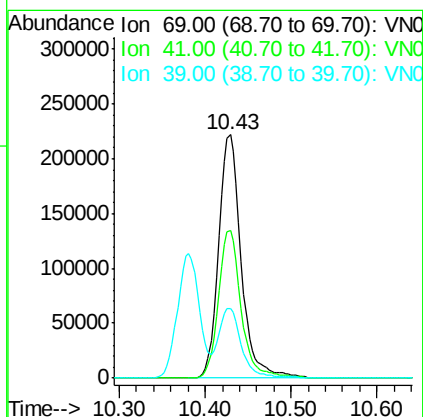
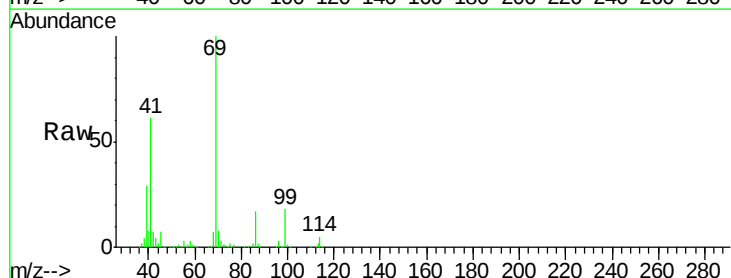
Manual Integrations
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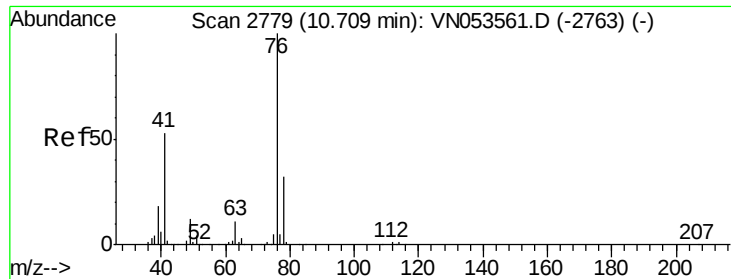
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#56
 Ethyl methacrylate
 Concen: 52.041 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		405211		
41	60.3	49.4	74.0		
39	28.9	23.3	34.9		





#57

1,3-Dichloropropane

Concen: 51.925 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 584099

Ion Ratio Lower Upper

76 100

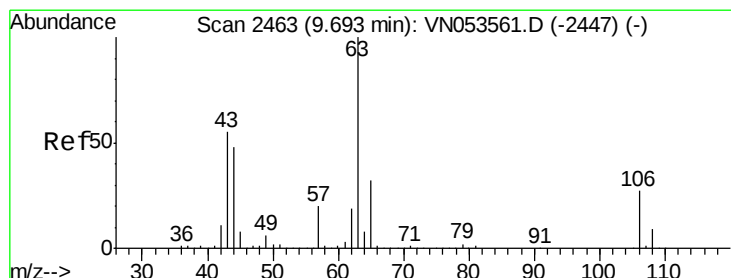
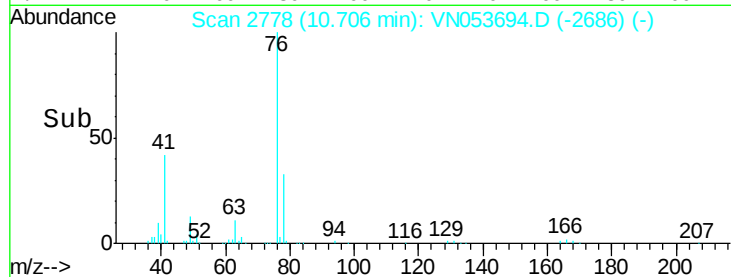
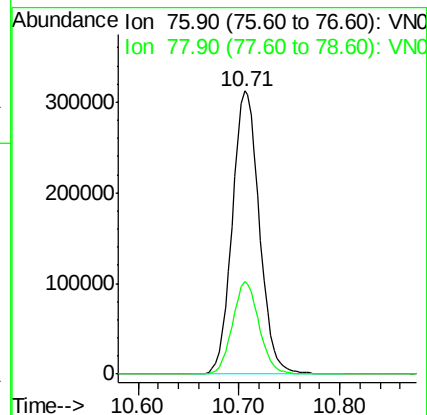
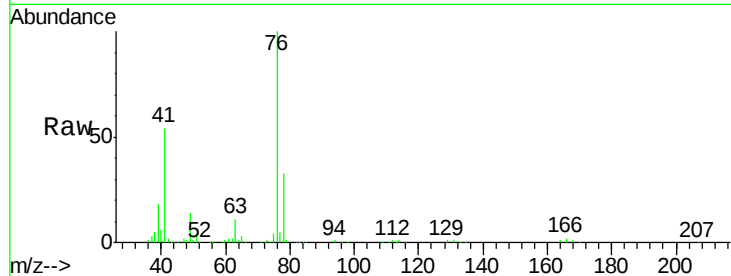
78 32.1 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 92.781 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN053694.D

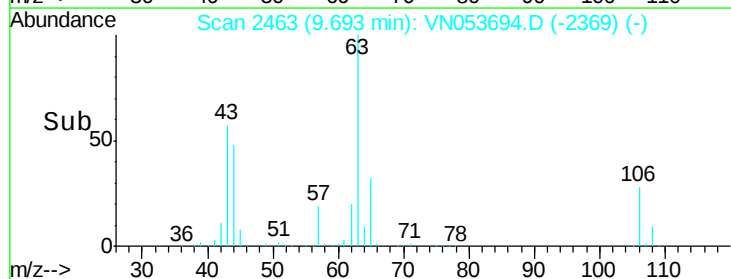
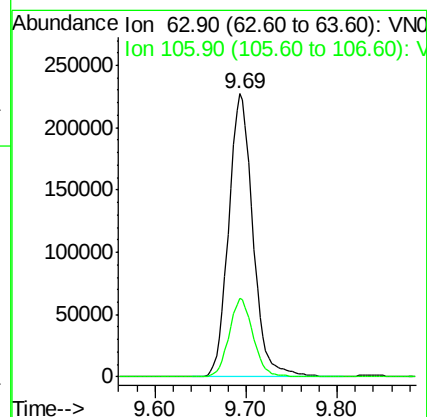
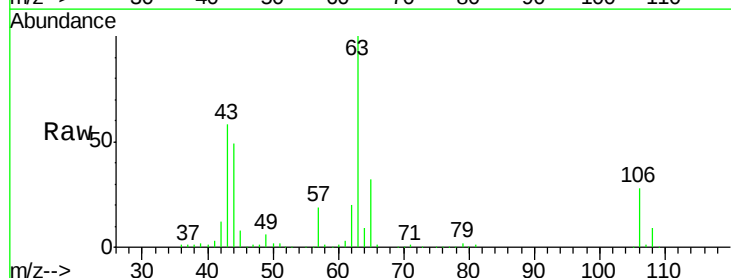
Acq: 11 Feb 2019 9:57

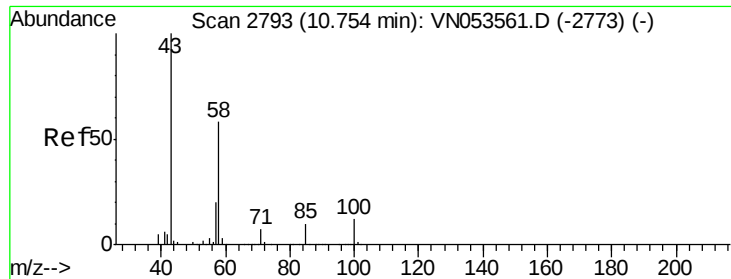
Tgt Ion: 63 Resp: 422907

Ion Ratio Lower Upper

63 100

106 27.2 21.5 32.3





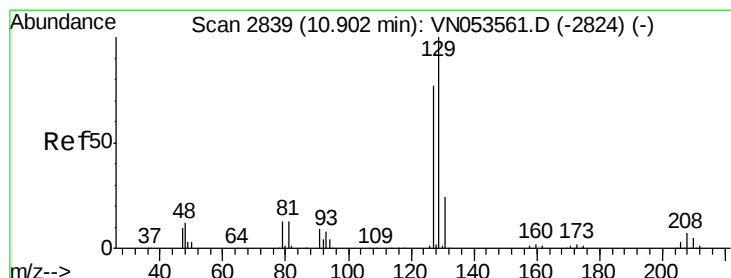
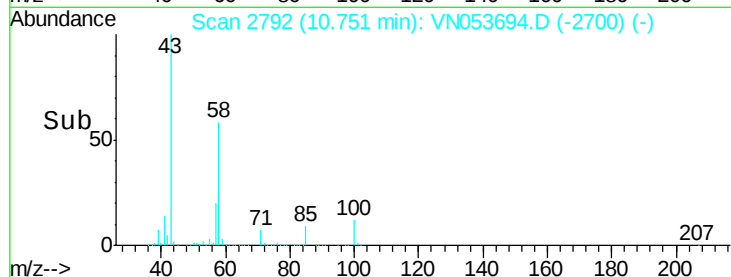
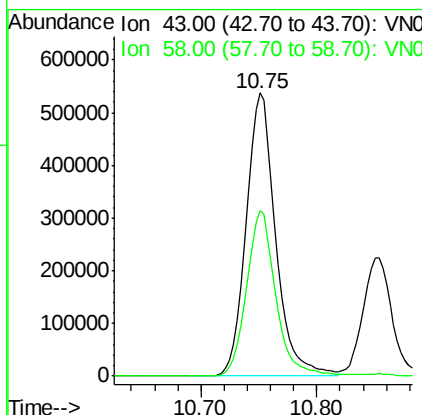
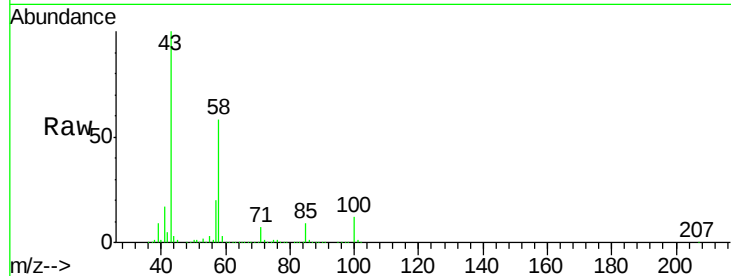
#59
2-Hexanone
Concen: 265.591 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 953751
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8

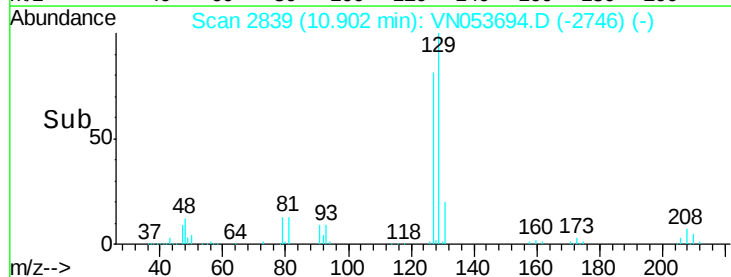
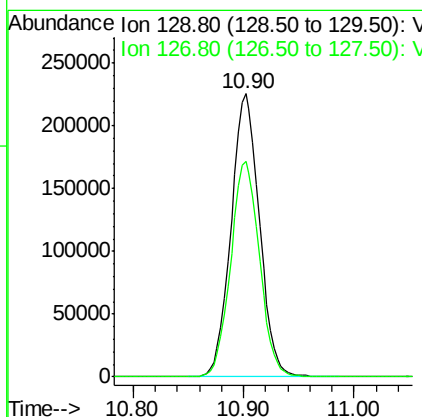
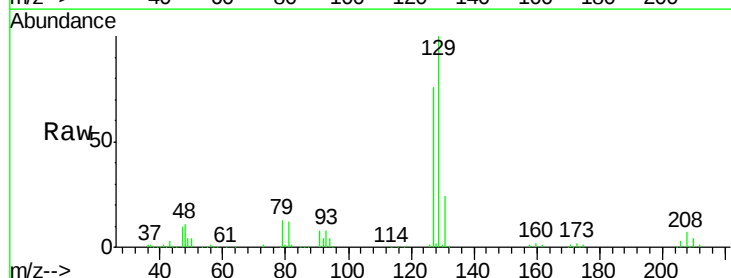
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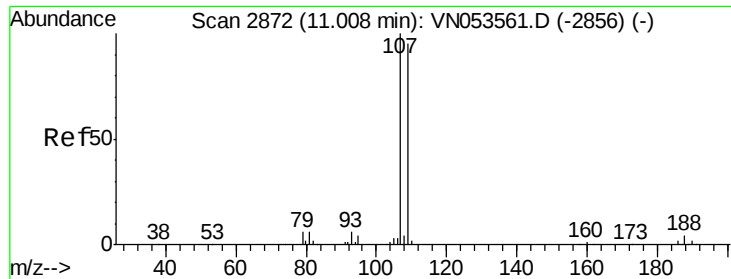
MMDadoda
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#60
Dibromochloromethane
Concen: 54.207 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 129 Resp: 402333
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





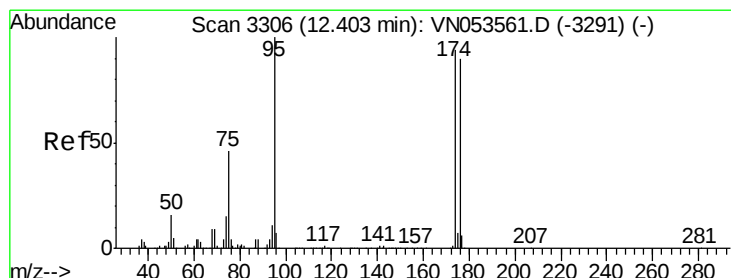
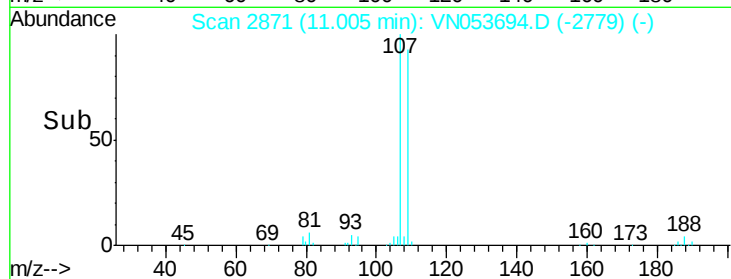
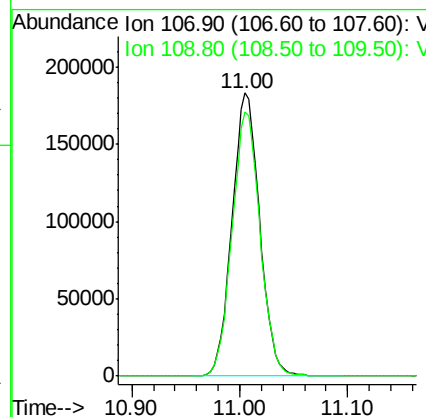
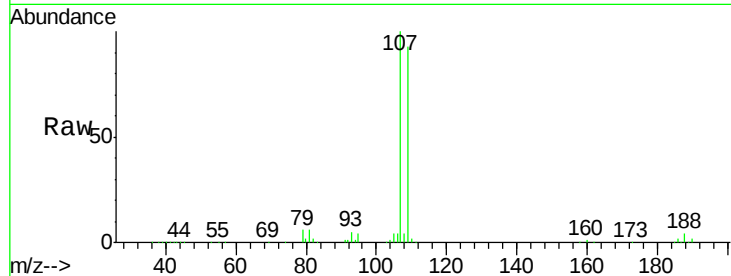
#61
 1,2-Dibromoethane
 Concen: 50.337 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.7	113.5

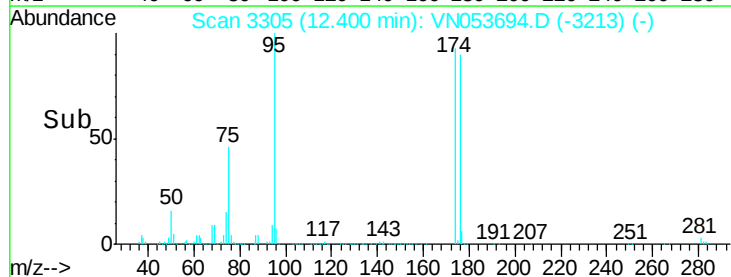
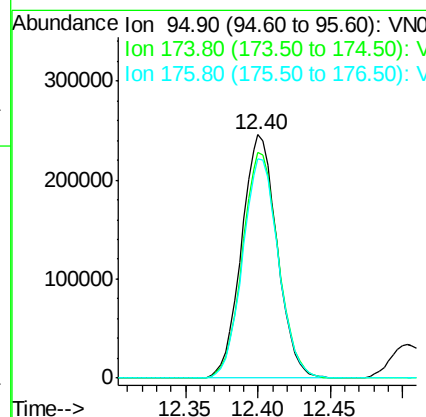
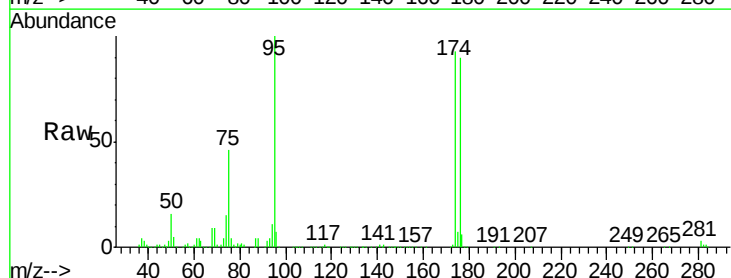
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 47.711 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.4	0.0	183.2
176	90.8	0.0	177.4





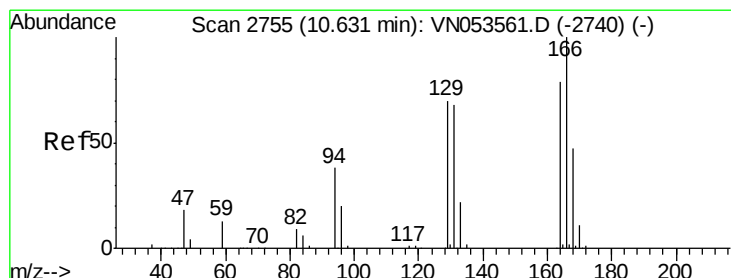
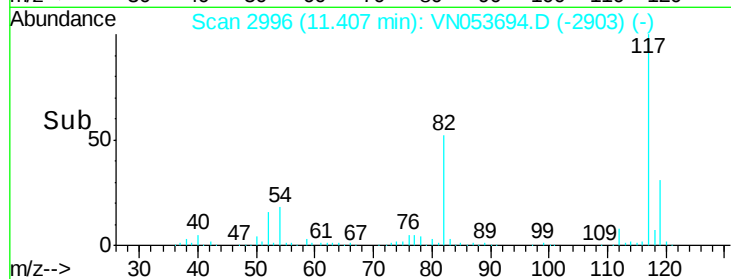
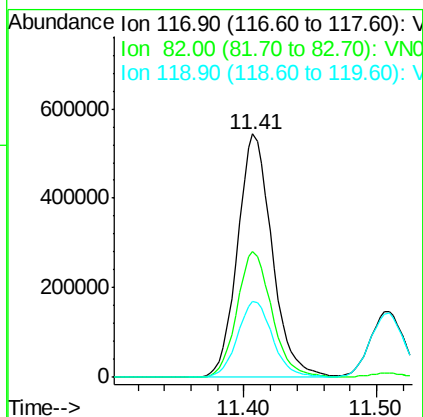
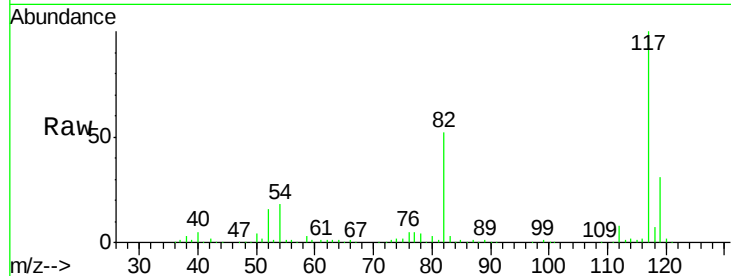
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	42.9	64.3
119	31.1	26.0	39.0

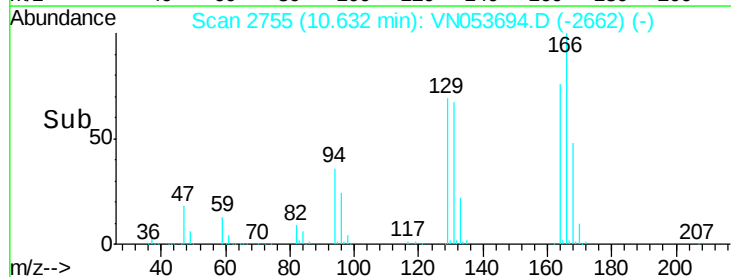
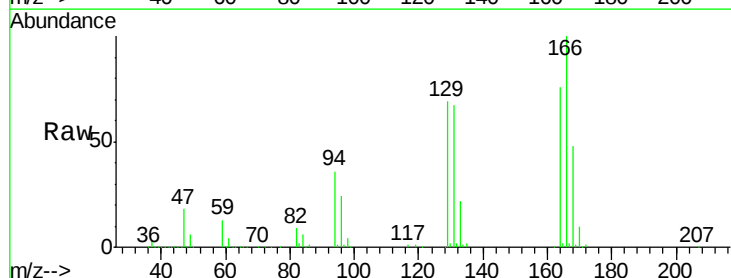
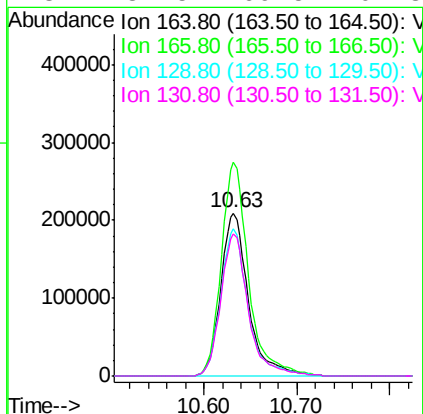
Manual Integrations
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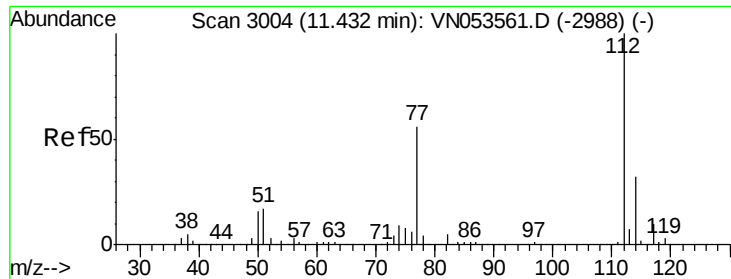
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#64
Tetrachloroethene
Concen: 51.138 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.2	102.2	153.4
129	90.5	72.6	109.0
131	87.5	69.5	104.3





#65

Chlorobenzene

Concen: 51.090 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 1071206

Ion Ratio Lower Upper

112 100

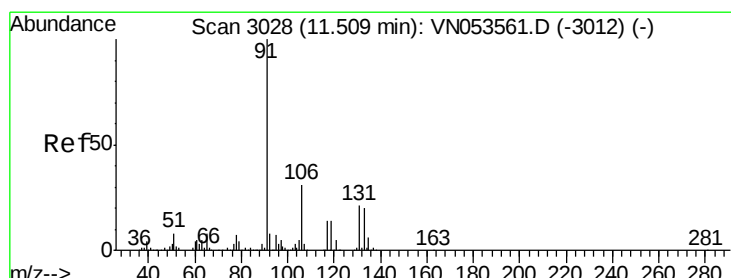
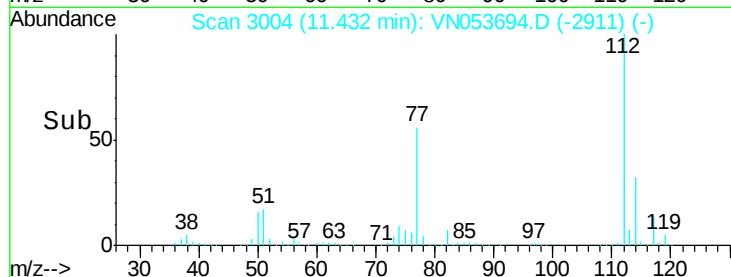
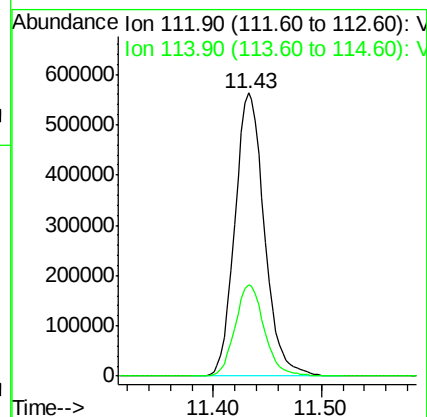
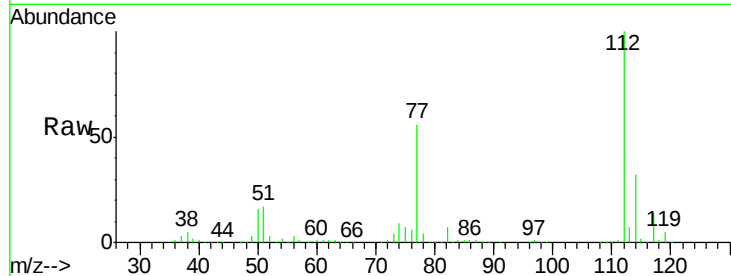
114 32.3 25.3 37.9

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 53.123 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

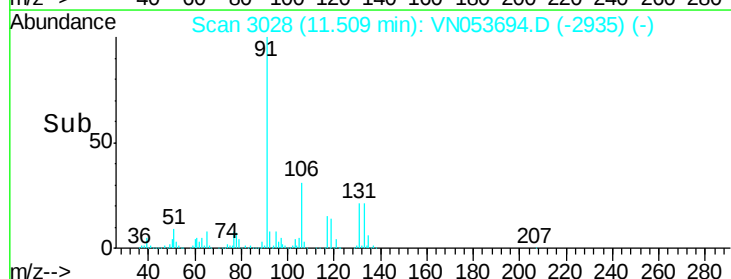
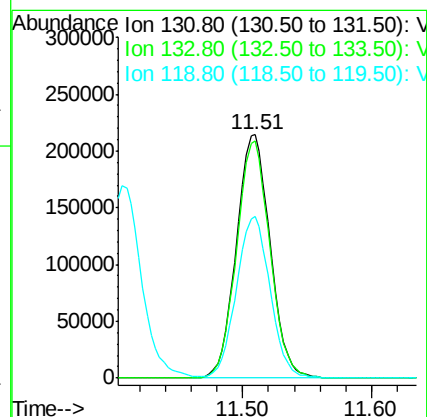
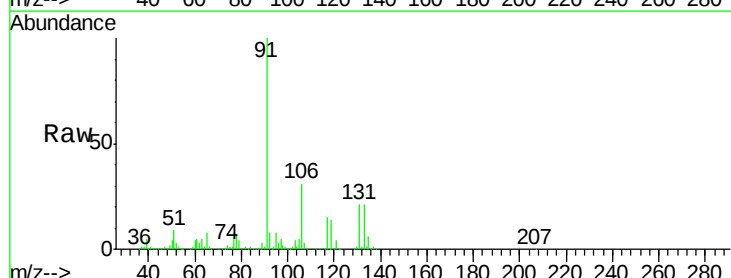
Tgt Ion:131 Resp: 388997

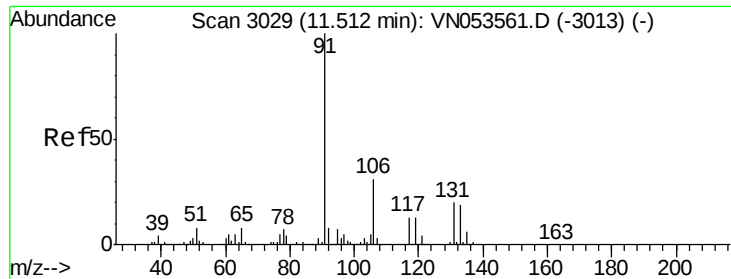
Ion Ratio Lower Upper

131 100

133 96.5 48.0 144.0

119 66.6 33.5 100.5





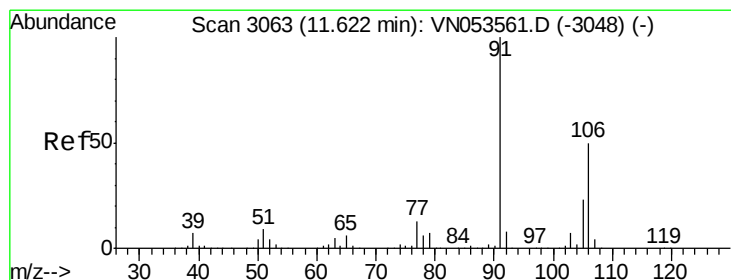
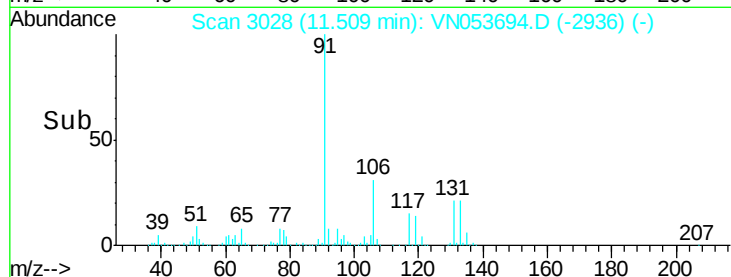
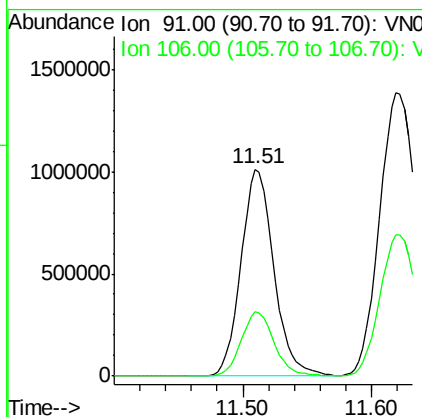
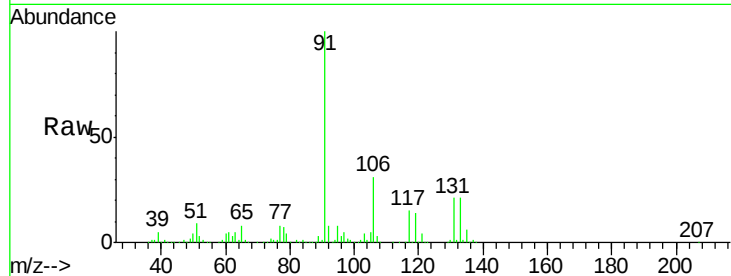
#67
Ethyl Benzene
Concen: 52.224 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1798742
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

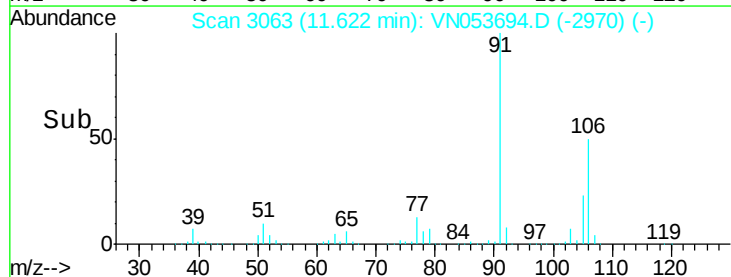
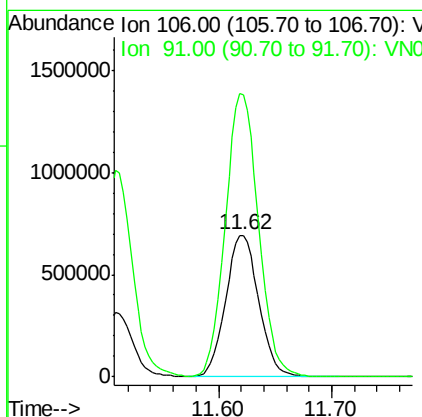
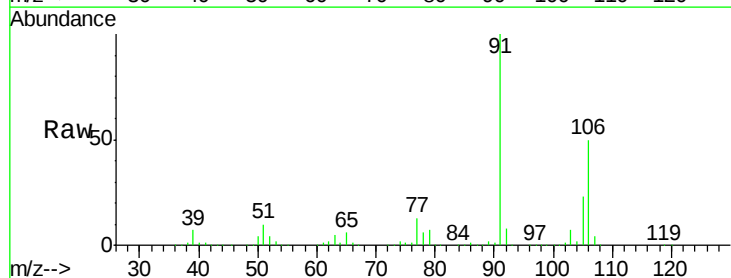
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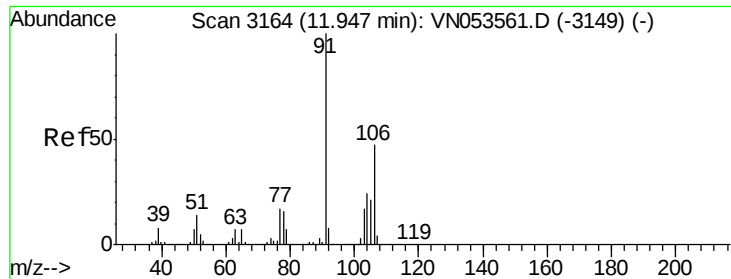
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#68
m/p-Xylenes
Concen: 106.809 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 106 Resp: 1404052
Ion Ratio Lower Upper
106 100
91 200.7 161.4 242.2





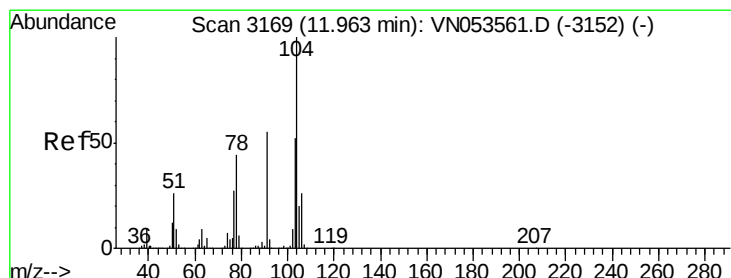
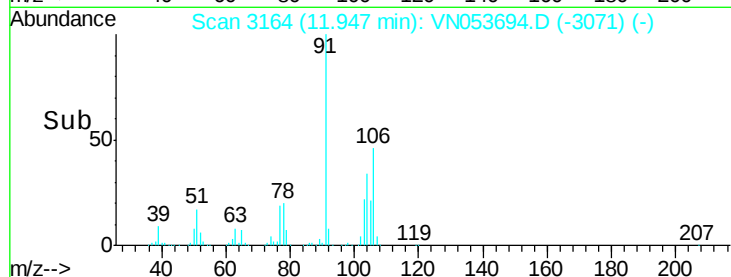
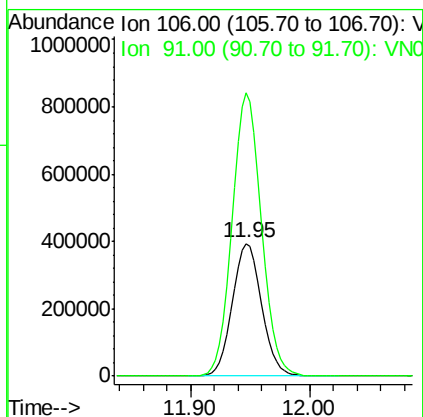
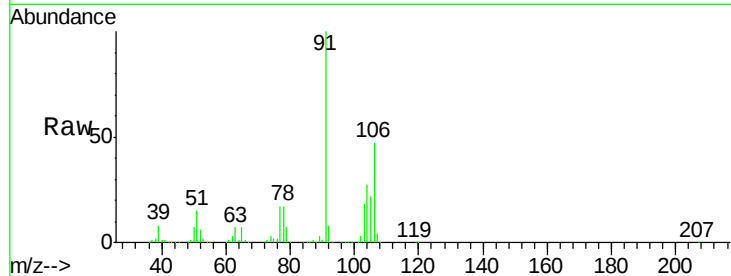
#69
o-Xylene
Concen: 53.052 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 673746
Ion Ratio Lower Upper
106 100
91 212.4 106.9 320.8

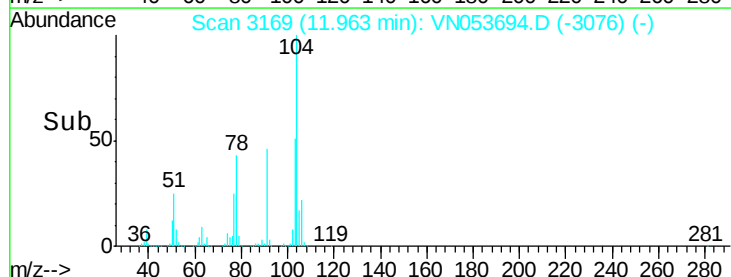
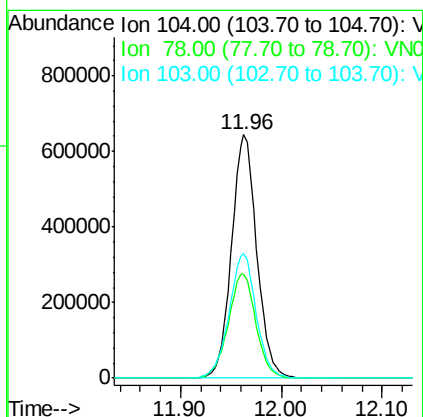
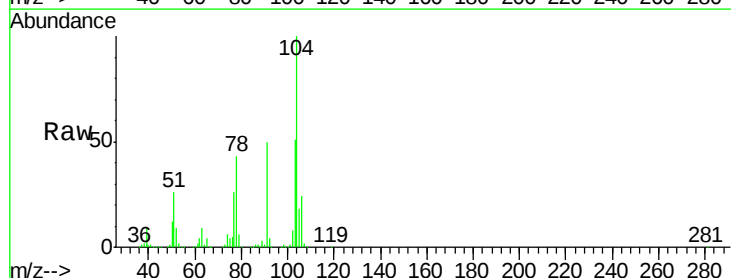
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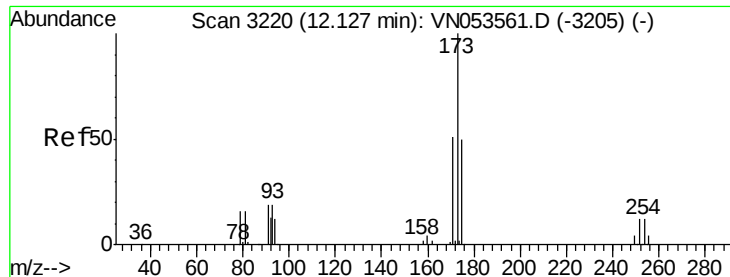
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#70
Styrene
Concen: 54.415 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion:104 Resp: 1120084
Ion Ratio Lower Upper
104 100
78 47.0 38.2 57.2
103 54.8 44.4 66.6





#71

Bromoform

Concen: 54.645 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 274327
Ion Ratio Lower Upper

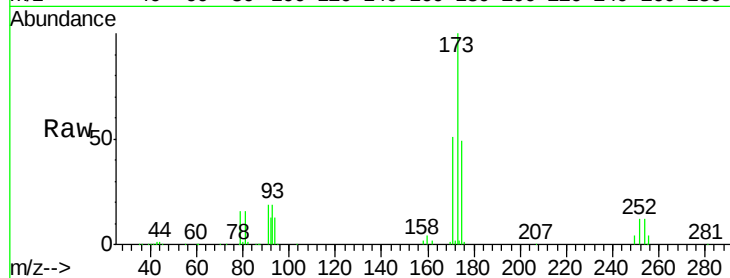
173 100

175 48.4 24.6 74.0

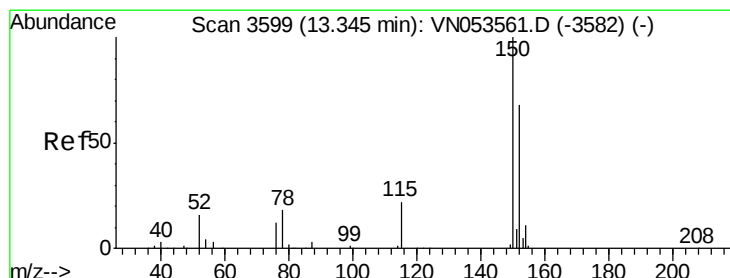
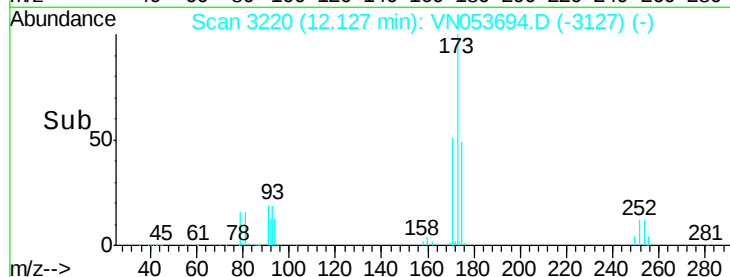
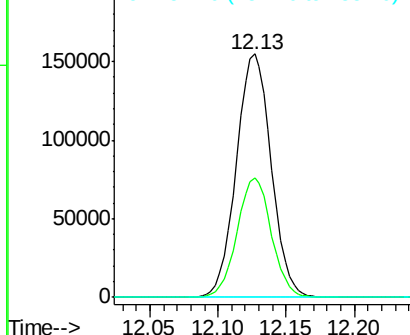
254 0.1 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053694.D

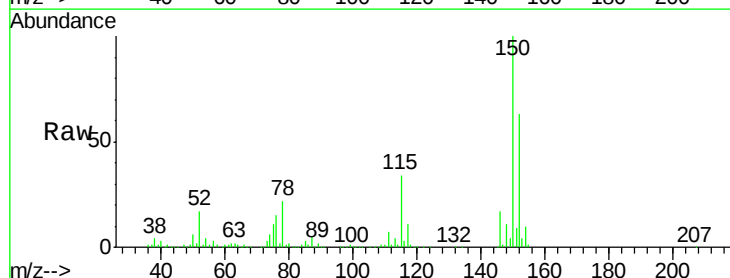
Acq: 11 Feb 2019 9:57

Tgt Ion:152 Resp: 494401
Ion Ratio Lower Upper

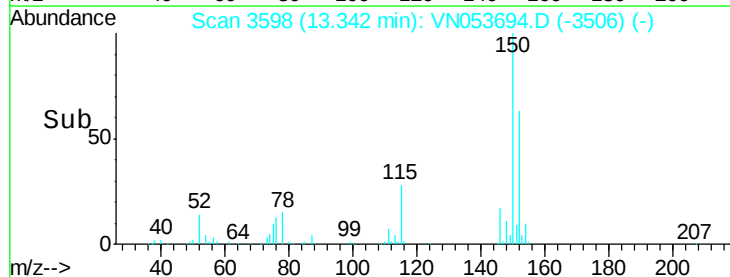
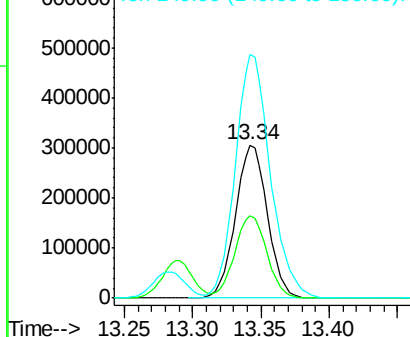
152 100

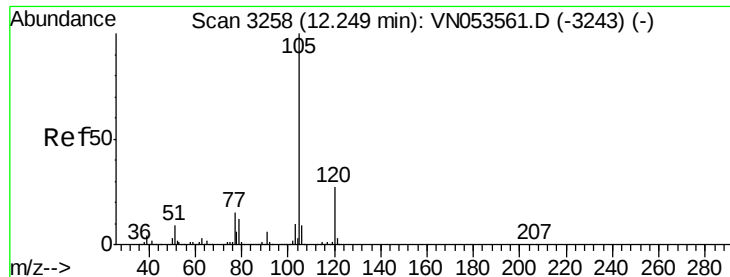
115 54.4 27.8 83.4

150 175.1 0.0 349.0



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





#73

Isopropylbenzene

Concen: 50.834 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1766790

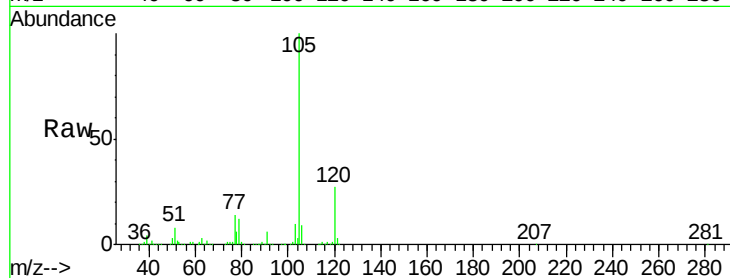
Ion Ratio Lower Upper

105 100

120 27.0 13.6 40.7

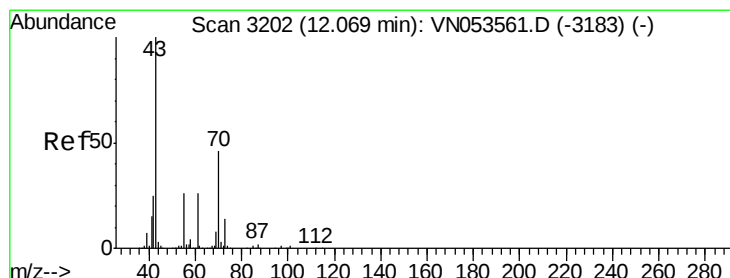
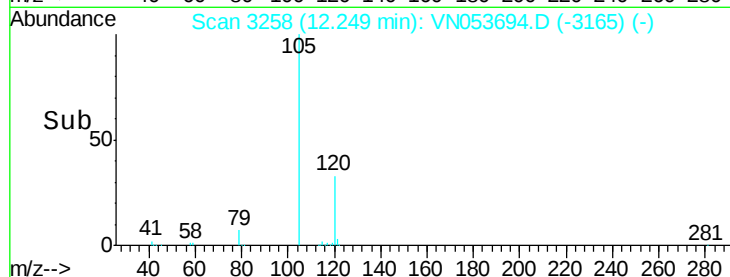
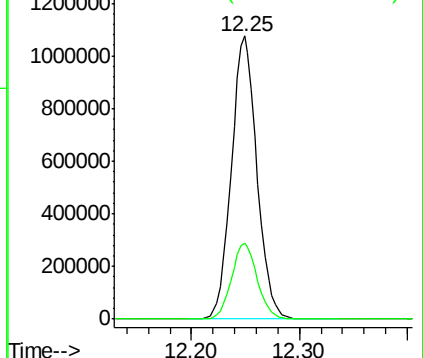
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.967 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Tgt Ion: 43 Resp: 409243

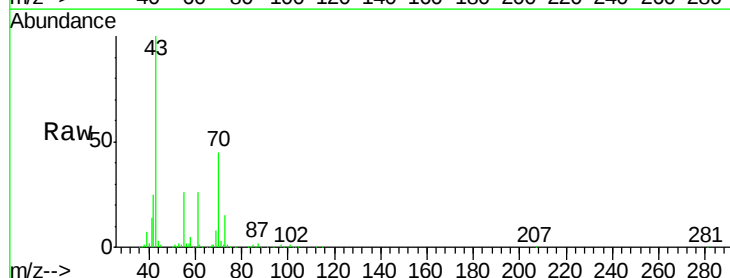
Ion Ratio Lower Upper

43 100

70 45.1 35.4 53.2

55 26.3 20.9 31.3

61 26.1 20.5 30.7

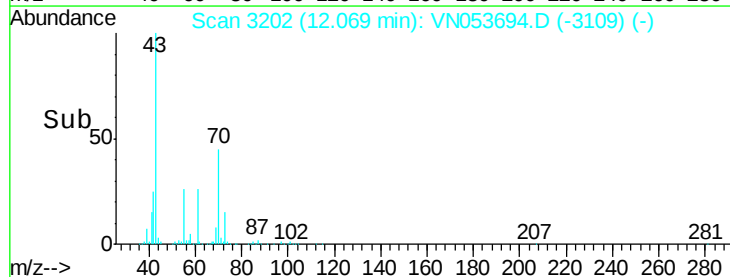
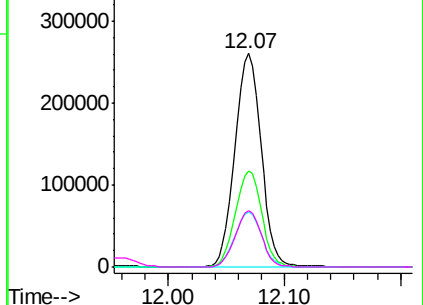


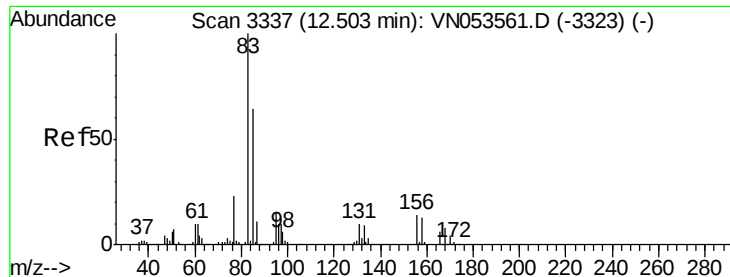
Abundance Ion 43.00 (42.70 to 43.70): V

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: 46.324 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

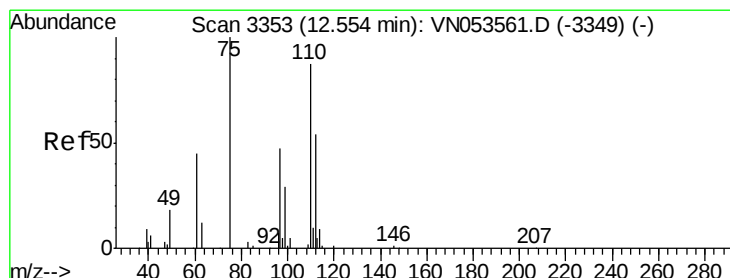
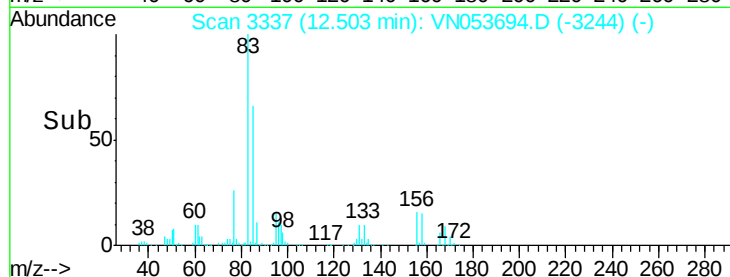
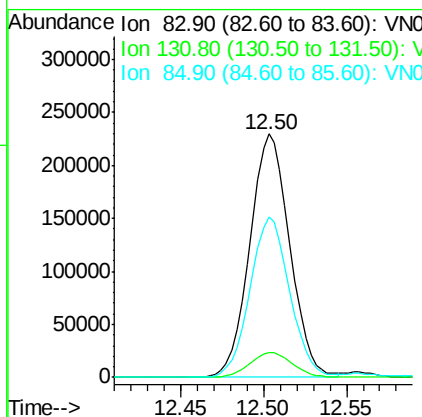
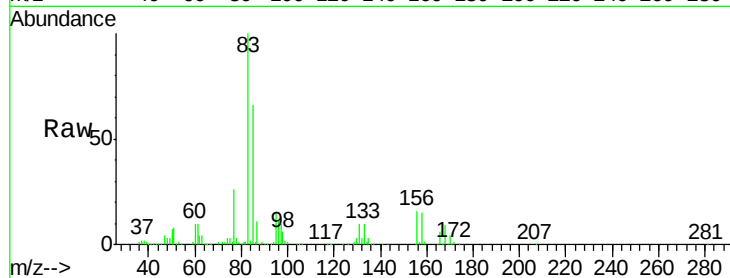
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	385324
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	15.8
85	65.5	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.836 ug/l m

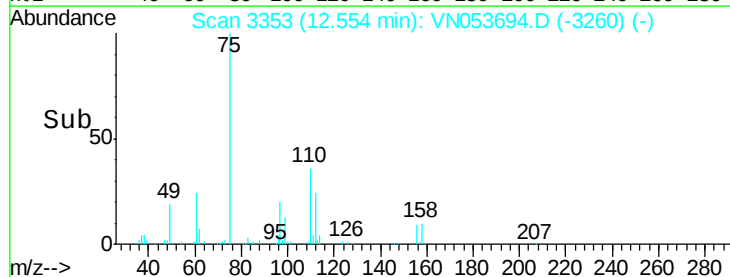
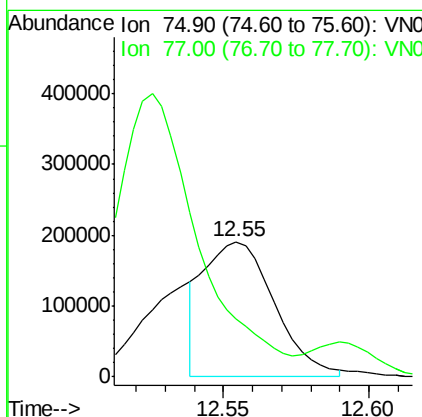
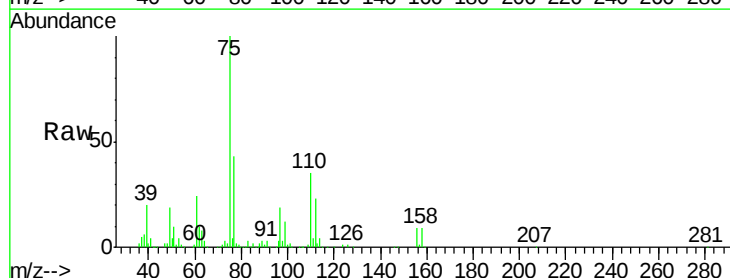
RT: 12.55 min Scan# 3353

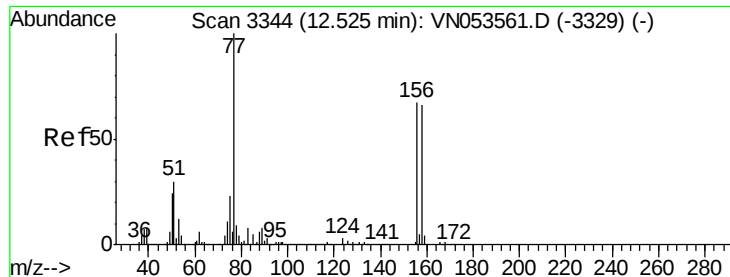
Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Tgt Ion:	75	Resp:	322821
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.536 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

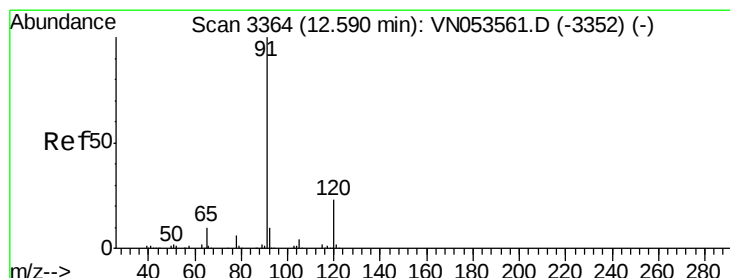
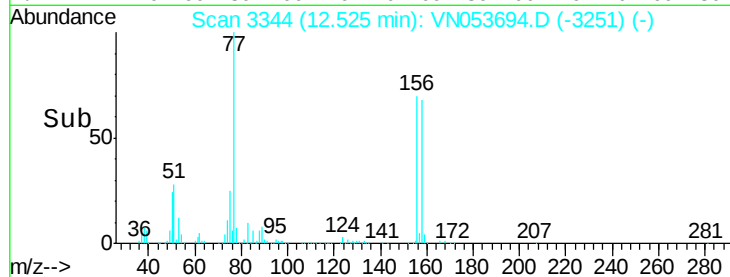
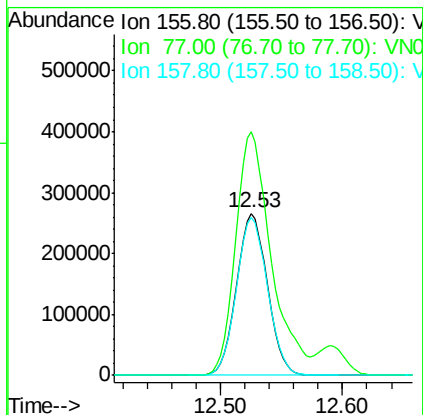
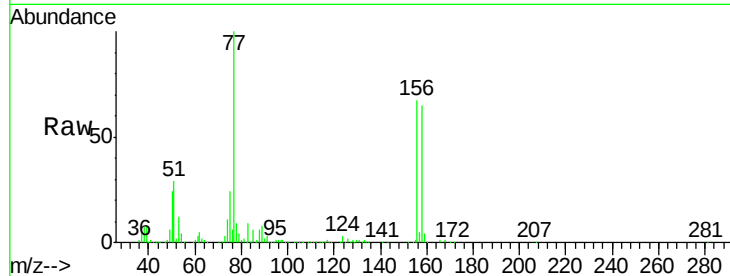
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.1	87.9	263.8
158	98.3	48.8	146.4

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#78

n-propylbenzene

Concen: 52.097 ug/l

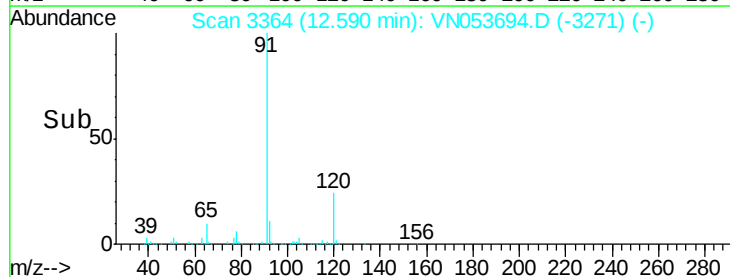
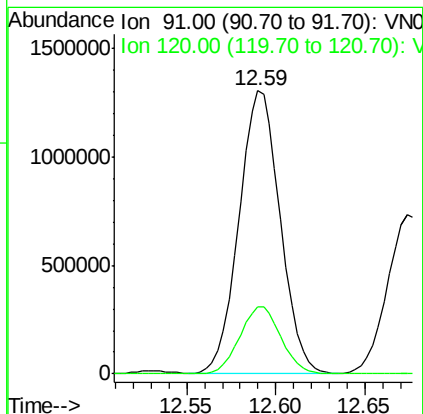
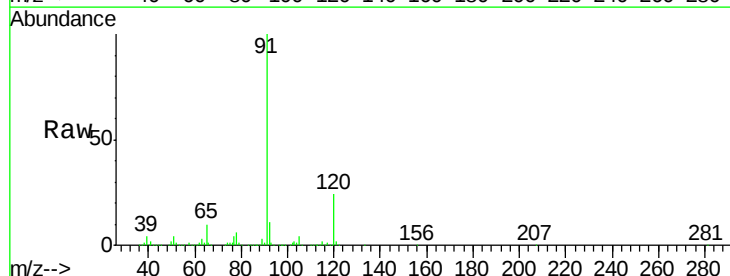
RT: 12.59 min Scan# 3364

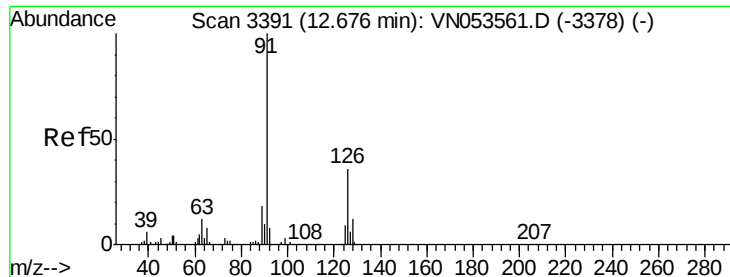
Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.9	35.5





#79

2-Chlorotoluene

Concen: 51.263 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1221939

Ion Ratio Lower Upper

91 100

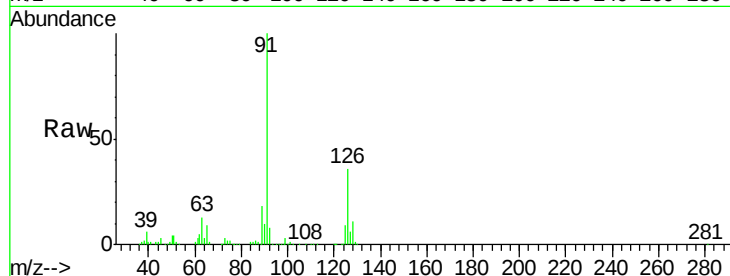
126 35.9 17.9 53.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN053561.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN053561.D (-3378) (-)

1000000

800000

600000

400000

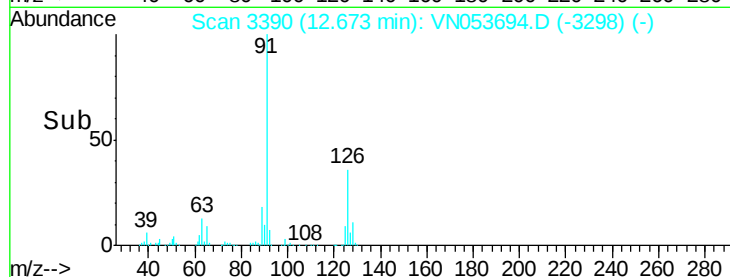
200000

0

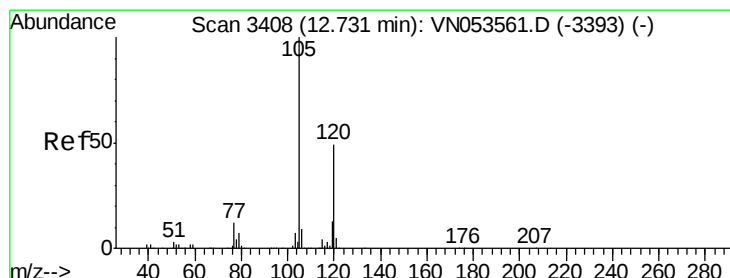
12.60

12.65

12.70



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.778 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053694.D

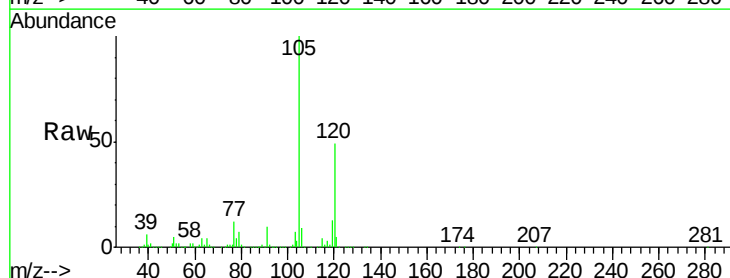
Acq: 11 Feb 2019 9:57

Tgt Ion:105 Resp: 1549942

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN053561.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN053561.D (-3393) (-)

1000000

800000

600000

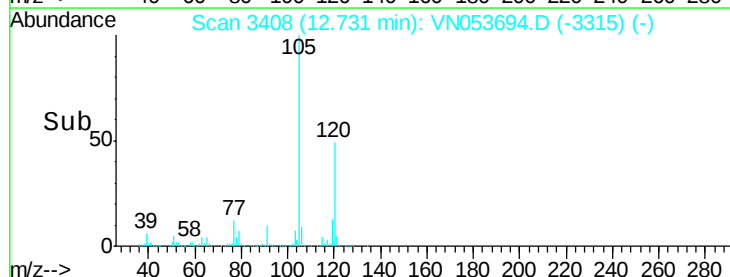
400000

200000

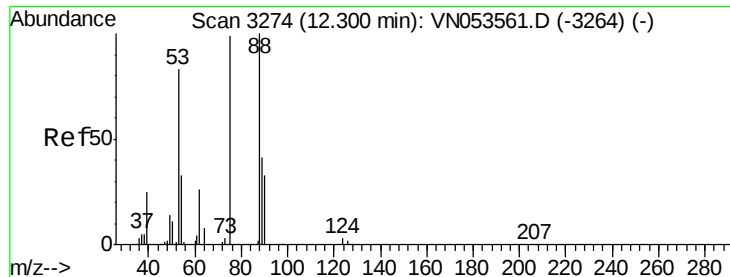
0

12.70

12.80



Time-->



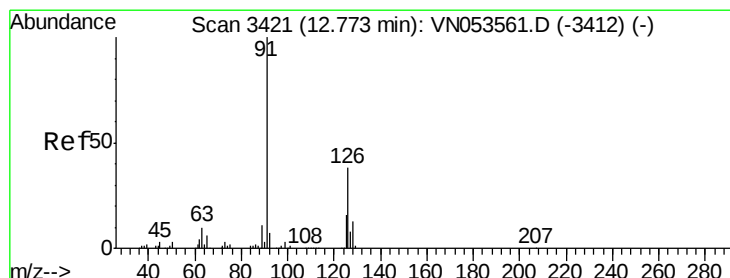
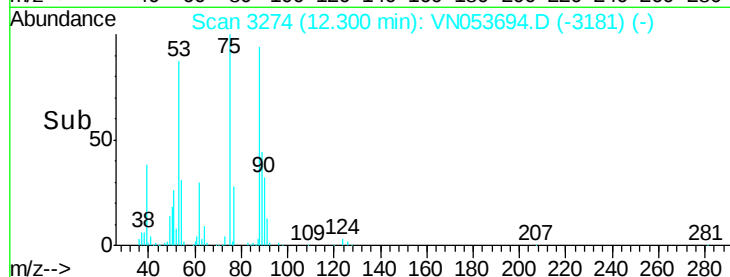
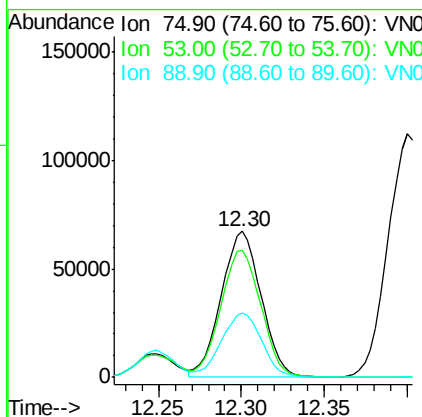
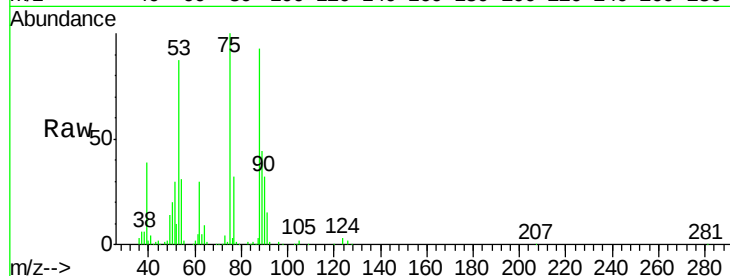
#81
trans-1,4-Dichloro-2-butene
Concen: 50.288 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.9	69.8	104.6
89	44.1	35.6	53.4

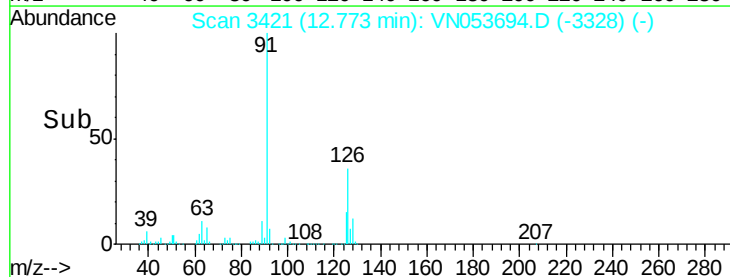
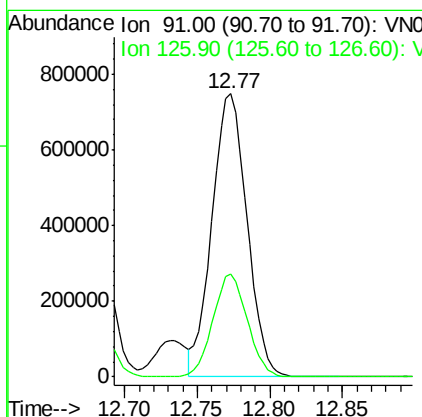
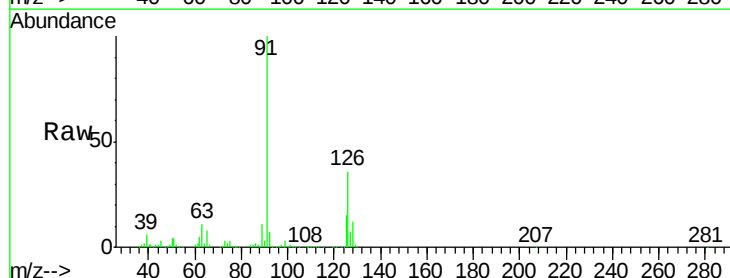
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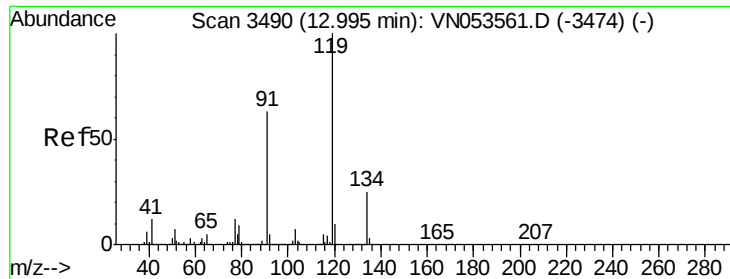
MMDadoda
2/12/2019 12:50:18 PM



#82
4-Chlorotoluene
Concen: 51.205 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.9





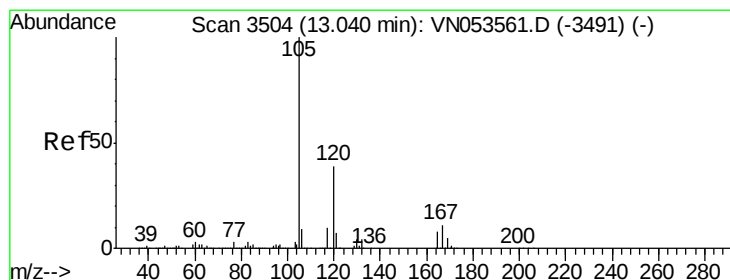
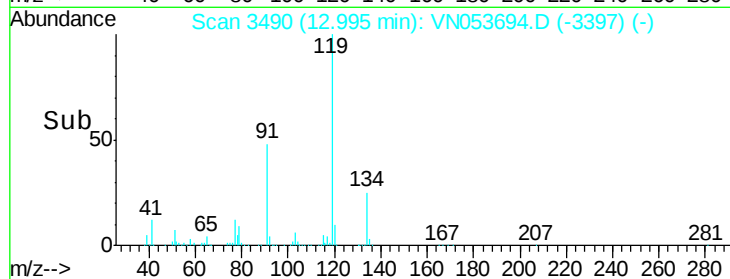
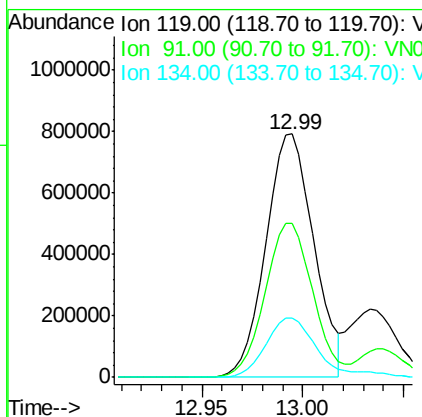
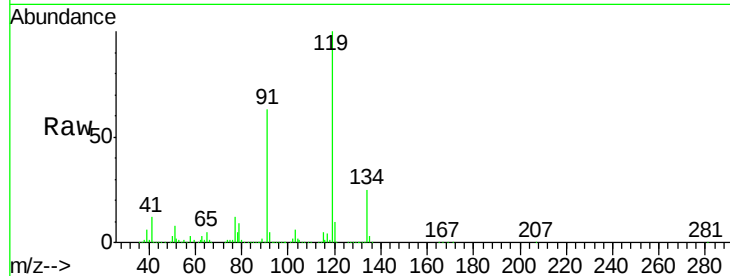
#83
 tert-Butylbenzene
 Concen: 51.313 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	31.3	93.8
134	26.6	12.9	38.7

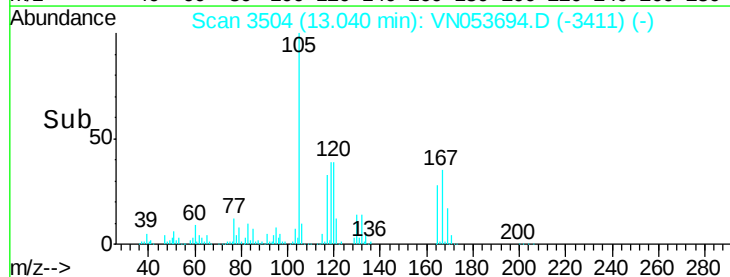
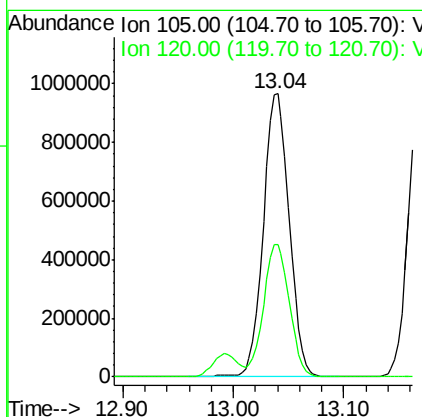
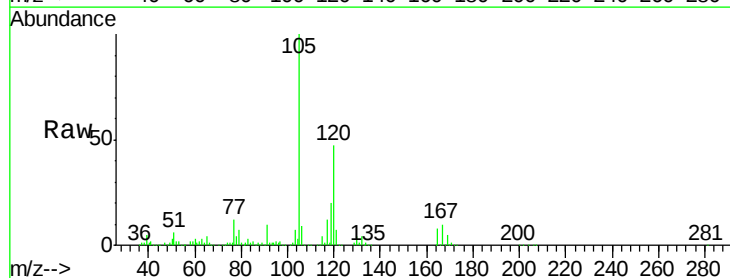
Manual Integrations
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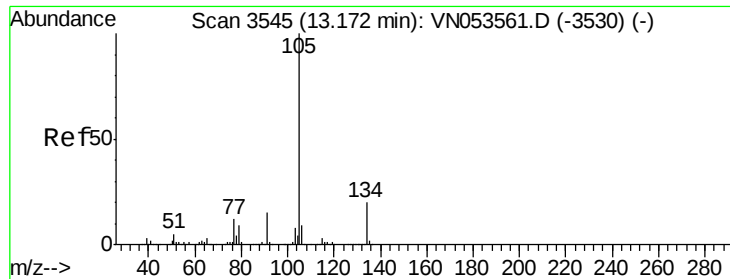
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.464 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.0	69.0





#85

sec-Butylbenzene

Concen: 53.129 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1841633

Ion Ratio Lower Upper

105 100

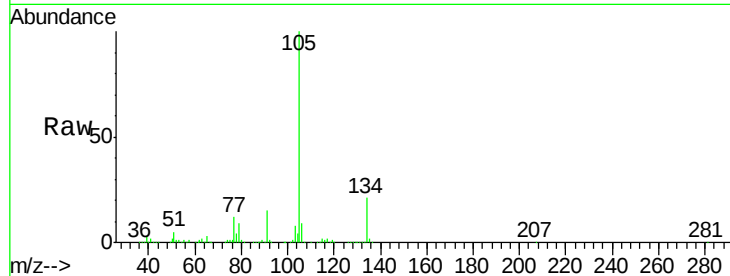
134 20.9 10.2 30.6

Manual Integrations

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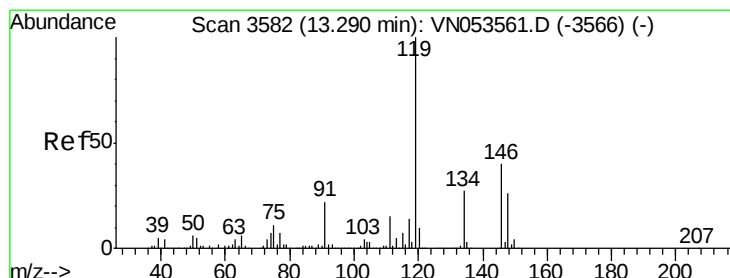
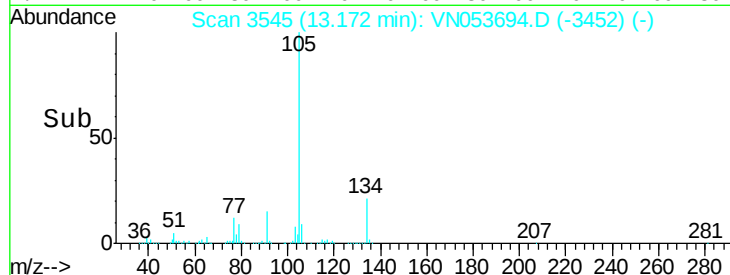
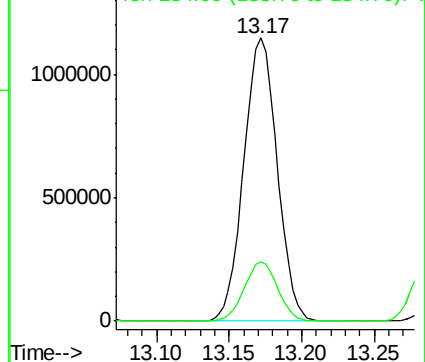
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.449 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

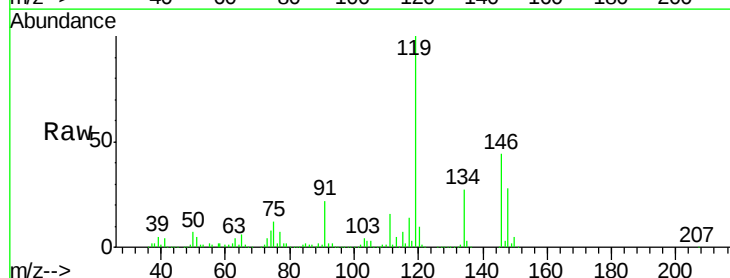
Tgt Ion:119 Resp: 1650698

Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

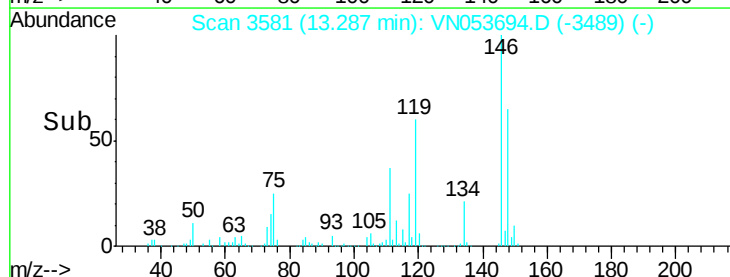
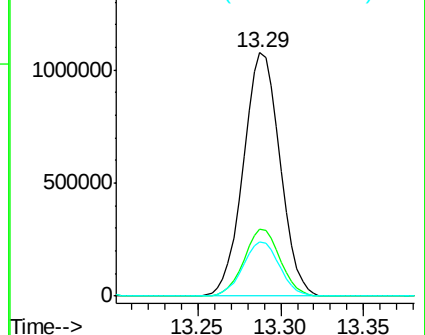
91 22.1 11.0 33.0

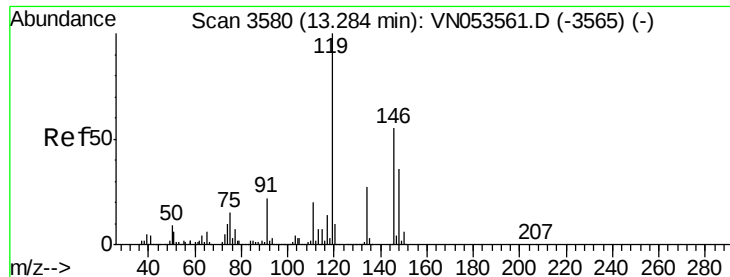


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





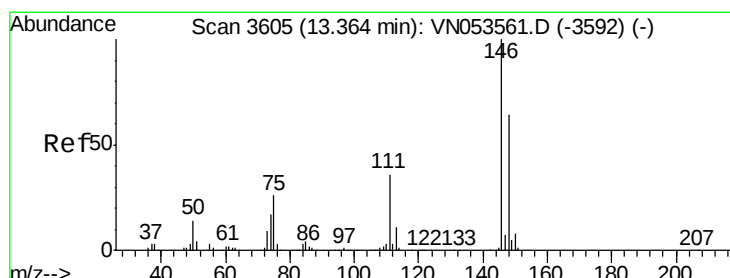
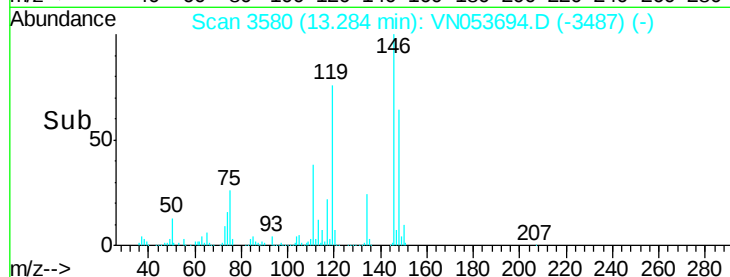
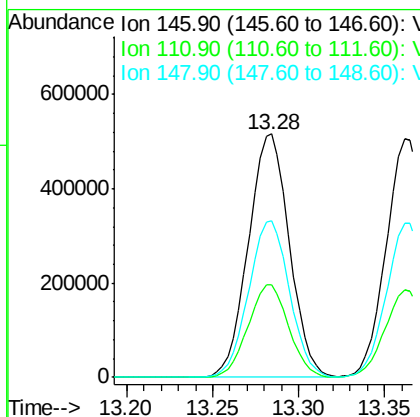
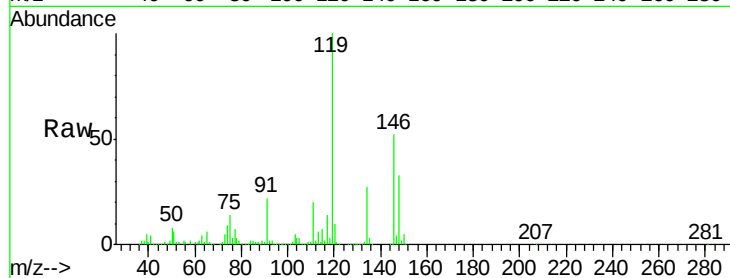
#87
 1,3-Dichlorobenzene
 Concen: 50.707 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	853825		
111	37.7	18.8	56.3	
148	64.3	32.0	96.2	

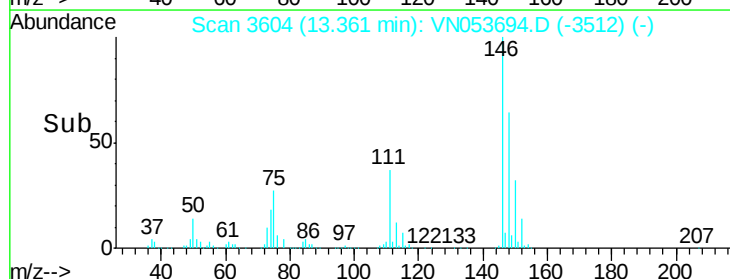
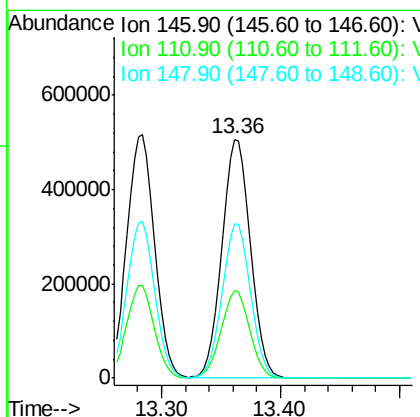
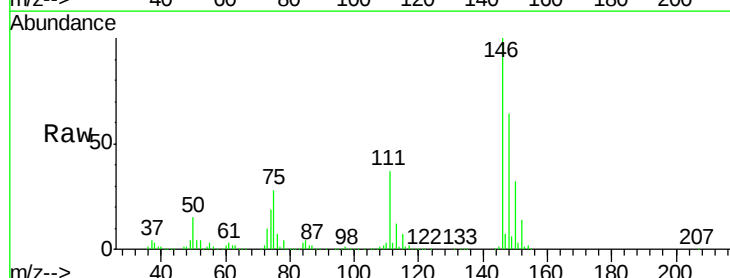
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 50.487 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	840926		
111	36.5	18.6	55.8	
148	64.4	32.4	97.0	





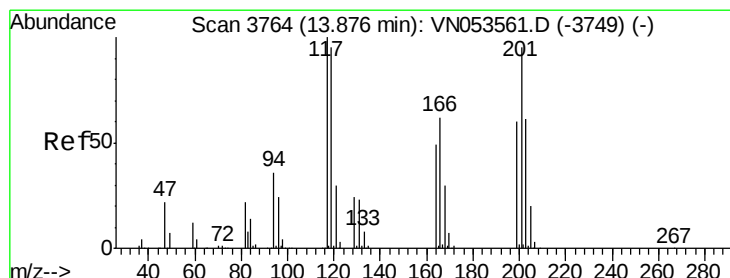
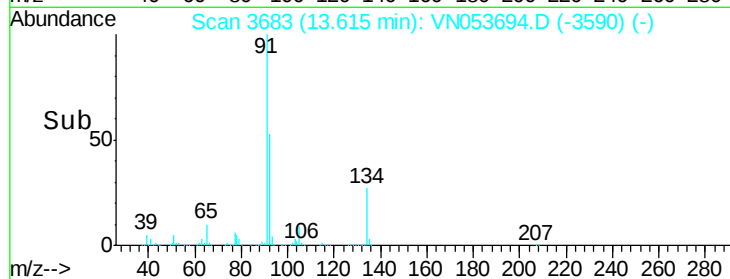
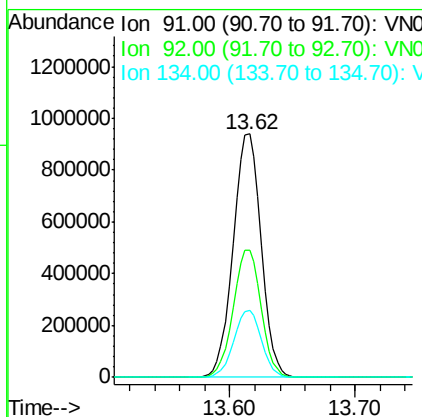
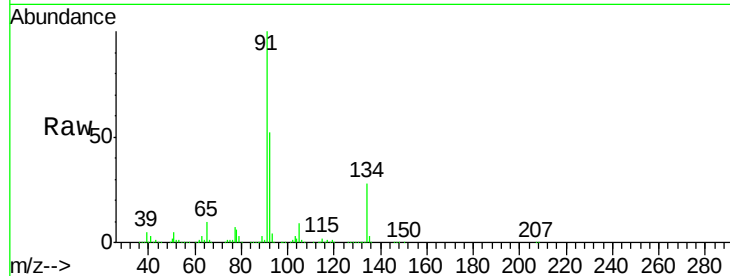
#89
n-Butylbenzene
Concen: 55.320 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1451625
Ion Ratio Lower Upper
91 100
92 52.2 26.3 78.8
134 27.3 13.5 40.5

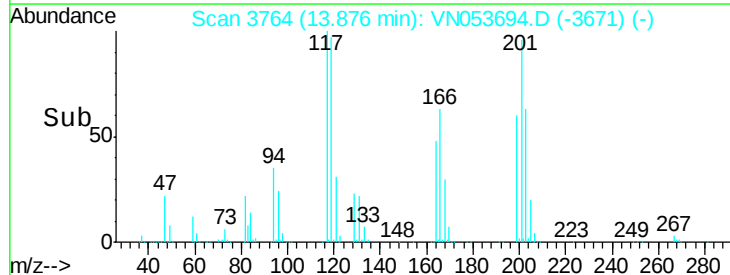
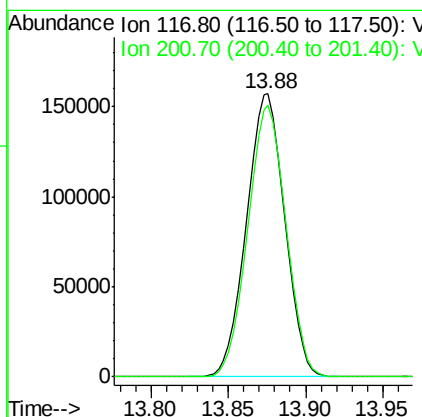
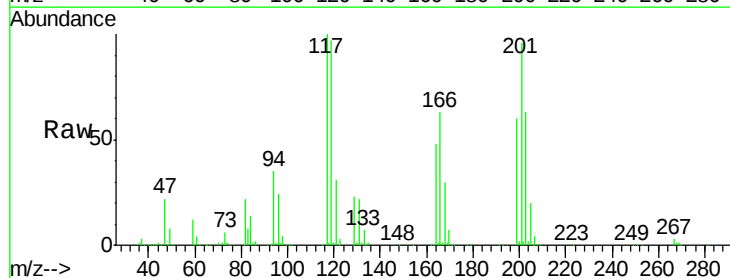
Manual Integrations
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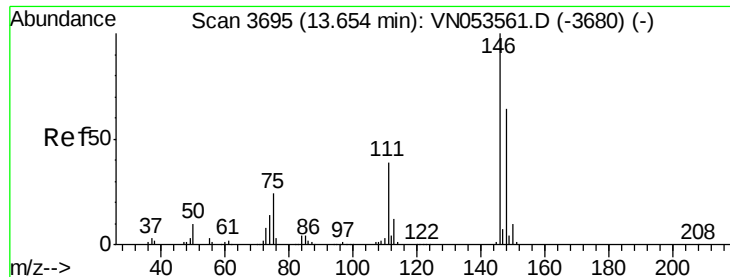
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#90
Hexachloroethane
Concen: 54.141 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053694.D
Acq: 11 Feb 2019 9:57

Tgt Ion: 117 Resp: 270735
Ion Ratio Lower Upper
117 100
201 95.5 46.8 140.4





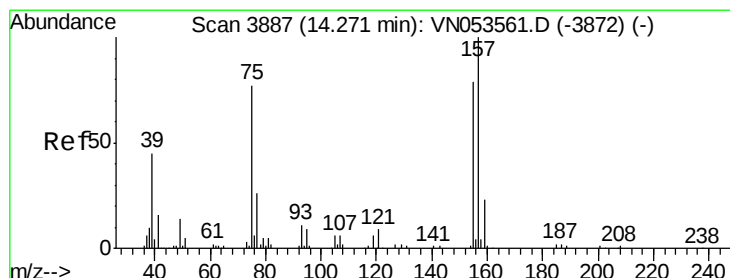
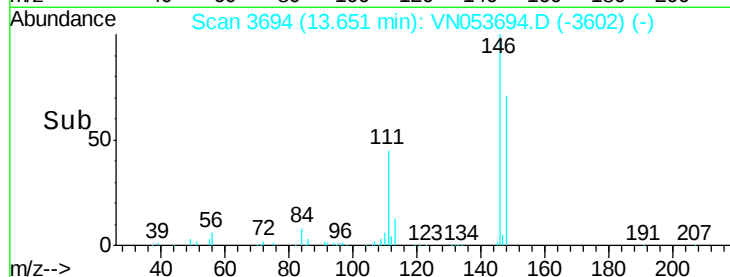
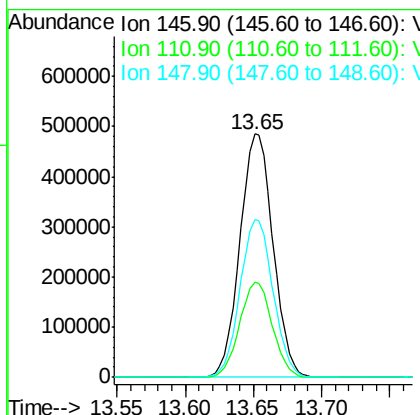
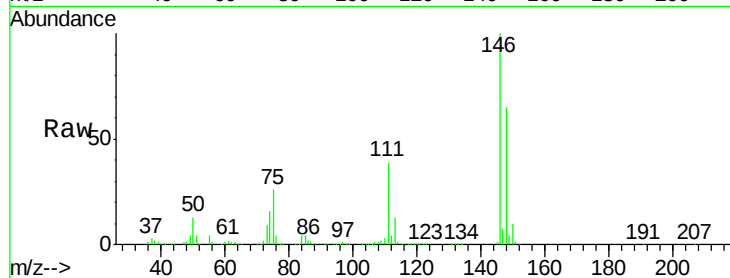
#91
 1,2-Dichlorobenzene
 Concen: 50.657 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	64.6	31.9	95.9

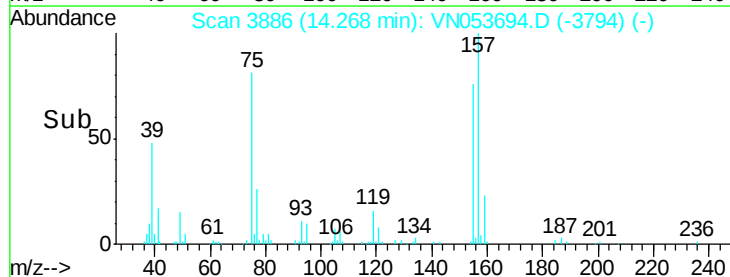
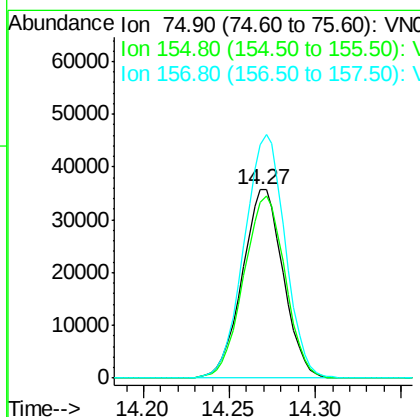
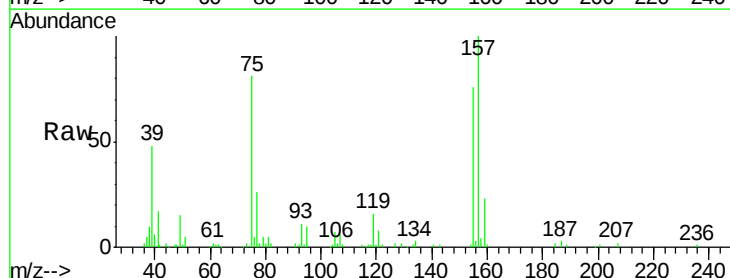
Manual Integrations
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 2/12/2019 12:50:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.778 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053694.D
 Acq: 11 Feb 2019 9:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.6	48.9	146.7
157	128.7	63.7	191.3





#93

1,2,4-Trichlorobenzene

Concen: 54.129 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

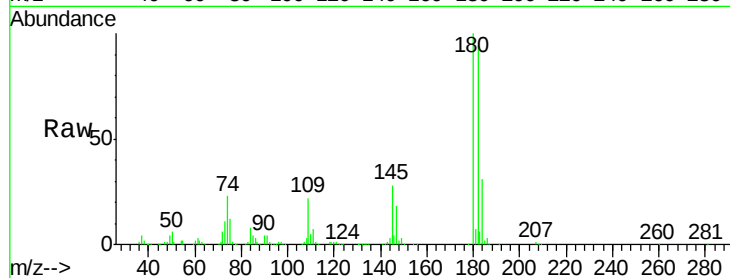
ClientSampleId :

VSTDCCC050

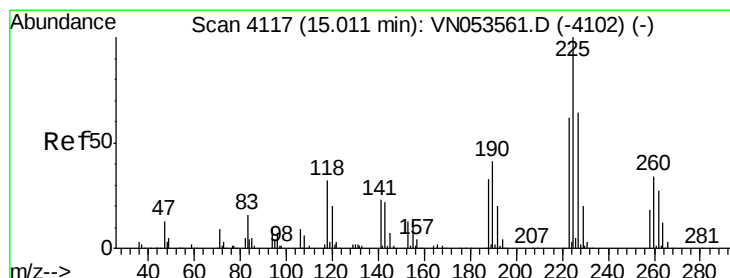
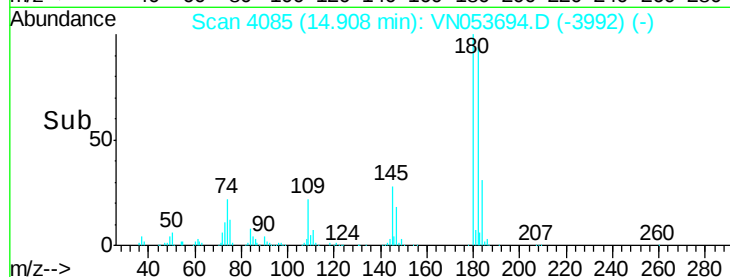
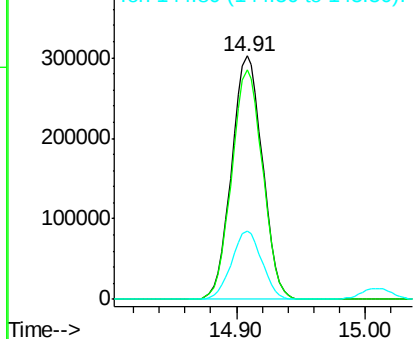
Tot Ion:	180	Resp:	500452
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.1	144.3
145	27.6	13.9	41.6

Manual Integrations
APPROVED

MMDadoda
2/12/2019 12:50:18 PM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 55.535 ug/l

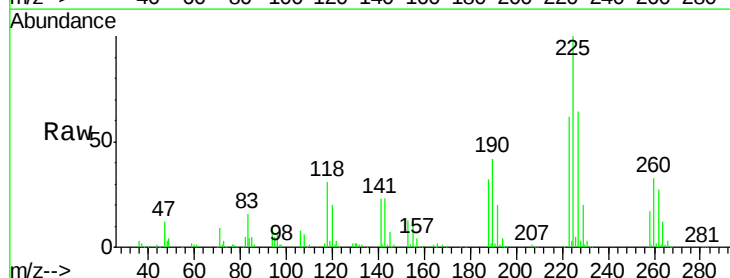
RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

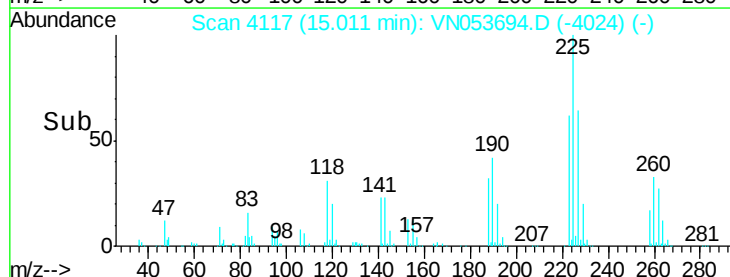
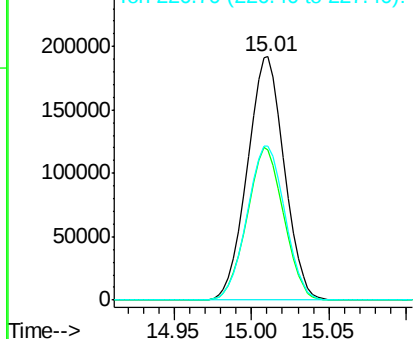
Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Tgt Ion:	225	Resp:	319752
Ion Ratio	Lower	Upper	
225	100		
223	62.2	31.1	93.2
227	64.7	32.0	96.2



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 44.773 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Instrument :

MSVOA_N

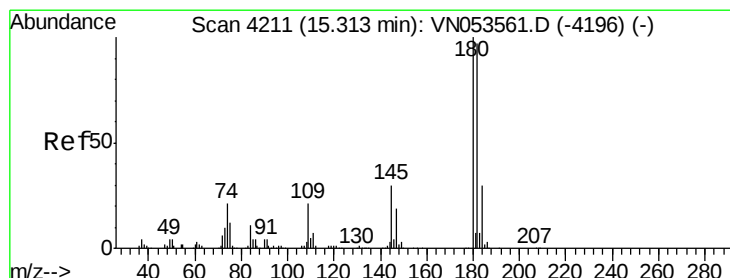
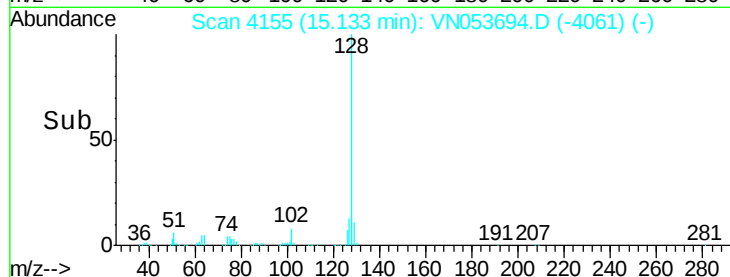
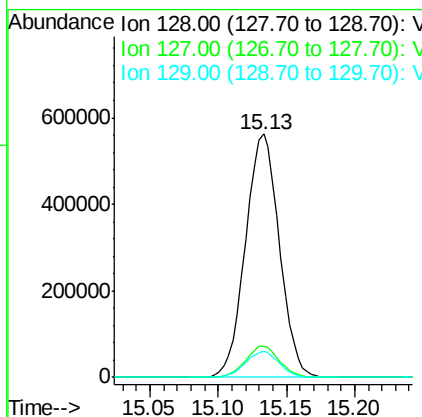
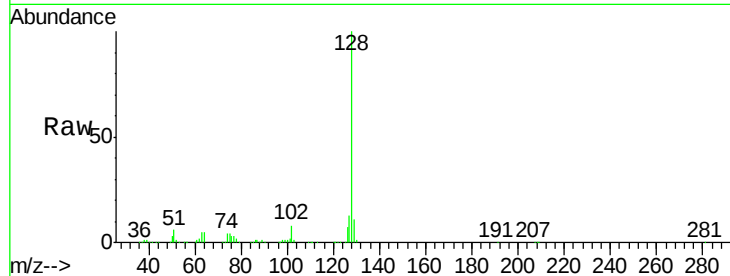
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	968308
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.7	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 52.993 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053694.D

Acq: 11 Feb 2019 9:57

Tgt Ion:	180	Resp:	454607
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.9	143.8
145	29.0	14.7	44.1

