

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021419\
 Data File : VN053769.D
 Acq On : 14 Feb 2019 10:16
 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
 2/15/2019 10:19:44 AM

Quant Time: Feb 15 01:17:38 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	7.67	168	743356	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1051201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	931025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	461540	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	375800	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	7.59	113	362145	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
50) Toluene-d8	10.09	98	1354220	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	
62) 4-Bromofluorobenzene	12.40	95	452220	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	350307	41.856	ug/l	99
3) Chloromethane	2.06	50	375326	42.529	ug/l	100
4) Vinyl Chloride	2.19	62	406339	47.431	ug/l	100
5) Bromomethane	2.57	94	284460	50.783	ug/l	97
6) Chloroethane	2.71	64	260298	53.170	ug/l	97
7) Trichlorofluoromethane	3.02	101	577780	49.734	ug/l	100
8) Diethyl Ether	3.41	74	205152	48.354	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	367122	51.097	ug/l	98
10) Methyl Iodide	3.96	142	522591	46.341	ug/l	99
11) Tert butyl alcohol	4.78	59	108046	244.813	ug/l	100
12) 1,1-Dichloroethene	3.74	96	328604	47.737	ug/l	97
13) Acrolein	3.61	56	55225	229.825	ug/l	100
14) Allyl chloride	4.33	41	514030	46.899	ug/l	99
15) Acrylonitrile	4.99	53	619839	260.154	ug/l	99
16) Acetone	3.81	43	609201	318.484	ug/l	99
17) Carbon Disulfide	4.06	76	919146	42.882	ug/l	99
18) Methyl Acetate	4.32	43	308961	54.540	ug/l	97
19) Methyl tert-butyl Ether	5.04	73	888010	50.888	ug/l	99
20) Methylene Chloride	4.55	84	384304	47.888	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	355257	47.836	ug/l	97
22) Diisopropyl ether	5.95	45	1021102	50.280	ug/l	97
23) Vinyl Acetate	5.90	43	3422899	243.639	ug/l	98
24) 1,1-Dichloroethane	5.85	63	647685	47.815	ug/l	100
25) 2-Butanone	6.83	43	689974	252.914	ug/l	99
26) 2,2-Dichloropropane	6.83	77	468737	45.332	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	376877	45.638	ug/l	97
28) Bromochloromethane	7.19	49	279508	47.550	ug/l	95
29) Tetrahydrofuran	7.21	42	409366	233.684	ug/l	97
30) Chloroform	7.37	83	612241	45.596	ug/l	99
31) Cyclohexane	7.66	56	532180	42.171	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	515101	46.096	ug/l	100
36) 1,1-Dichloropropene	7.79	75	463099	48.871	ug/l	99
37) Ethyl Acetate	6.93	43	273141	51.611	ug/l	98
38) Carbon Tetrachloride	7.77	117	464892	48.700	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	542086	48.219	ug/l	99
40) Benzene	8.04	78	1399203	47.883	ug/l	99
41) Methacrylonitrile	7.17	41	148063	50.057	ug/l	91
42) 1,2-Dichloroethane	8.12	62	418366	48.219	ug/l	99
43) Isopropyl Acetate	8.16	43	477493	46.718	ug/l #	88
44) Trichloroethene	8.83	130	405808	48.780	ug/l	98
45) 1,2-Dichloropropane	9.12	63	368969	49.367	ug/l	99
46) Dibromomethane	9.21	93	219286	48.671	ug/l	97
47) Bromodichloromethane	9.40	83	473048	50.498	ug/l	99
48) Methyl methacrylate	9.20	41	229986	47.140	ug/l	92
49) 1,4-Dioxane	9.20	88	70333	995.107	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1277124	254.283	ug/l	99
52) Toluene	10.16	92	859811	49.578	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	464616	49.531	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	551016	49.571	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	318322	50.937	ug/l	99
56) Ethyl methacrylate	10.43	69	369823	50.024	ug/l	99
57) 1,3-Dichloropropane	10.71	76	529571	49.583	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	870671	191.825	ug/l	98
59) 2-Hexanone	10.75	43	861097	252.551	ug/l	99
60) Dibromochloromethane	10.90	129	368109	52.235	ug/l	100
61) 1,2-Dibromoethane	11.01	107	303640	49.090	ug/l	100
64) Tetrachloroethene	10.63	164	398145	49.887	ug/l	98
65) Chlorobenzene	11.43	112	950774	48.077	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	357125	51.708	ug/l	99
67) Ethyl Benzene	11.51	91	1597641	49.180	ug/l	99
68) m/p-Xylenes	11.62	106	1264982	102.026	ug/l	98
69) o-Xylene	11.95	106	605081	50.515	ug/l	100
70) Styrene	11.96	104	987341	50.856	ug/l	100
71) Bromoform	12.13	173	258928	54.684	ug/l #	100
73) Isopropylbenzene	12.25	105	1595784	49.183	ug/l	100
74) N-amyl acetate	12.07	43	374893	48.050	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	368691	47.481	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	308588m	52.054	ug/l	
77) Bromobenzene	12.53	156	420490	48.087	ug/l	97
78) n-propylbenzene	12.59	91	1860878	49.613	ug/l	100
79) 2-Chlorotoluene	12.68	91	1092876	49.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1400460	52.051	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	98807	46.867	ug/l	98
82) 4-Chlorotoluene	12.77	91	1113742	48.775	ug/l	100
83) tert-Butylbenzene	12.99	119	1209786	50.875	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1412539	51.531	ug/l	99
85) sec-Butylbenzene	13.17	105	1656629	51.195	ug/l	99
86) p-Isopropyltoluene	13.29	119	1479191	52.266	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	762509	48.508	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	746035	47.979	ug/l	100
89) n-Butylbenzene	13.62	91	1258241	51.364	ug/l	100
90) Hexachloroethane	13.88	117	247899	53.104	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	744498	49.472	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53788	48.604	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	424885	49.228	ug/l	99
94) Hexachlorobutadiene	15.01	225	287095	53.413	ug/l	99
95) Naphthalene	15.13	128	811765	40.384	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	393490	49.135	ug/l	100

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

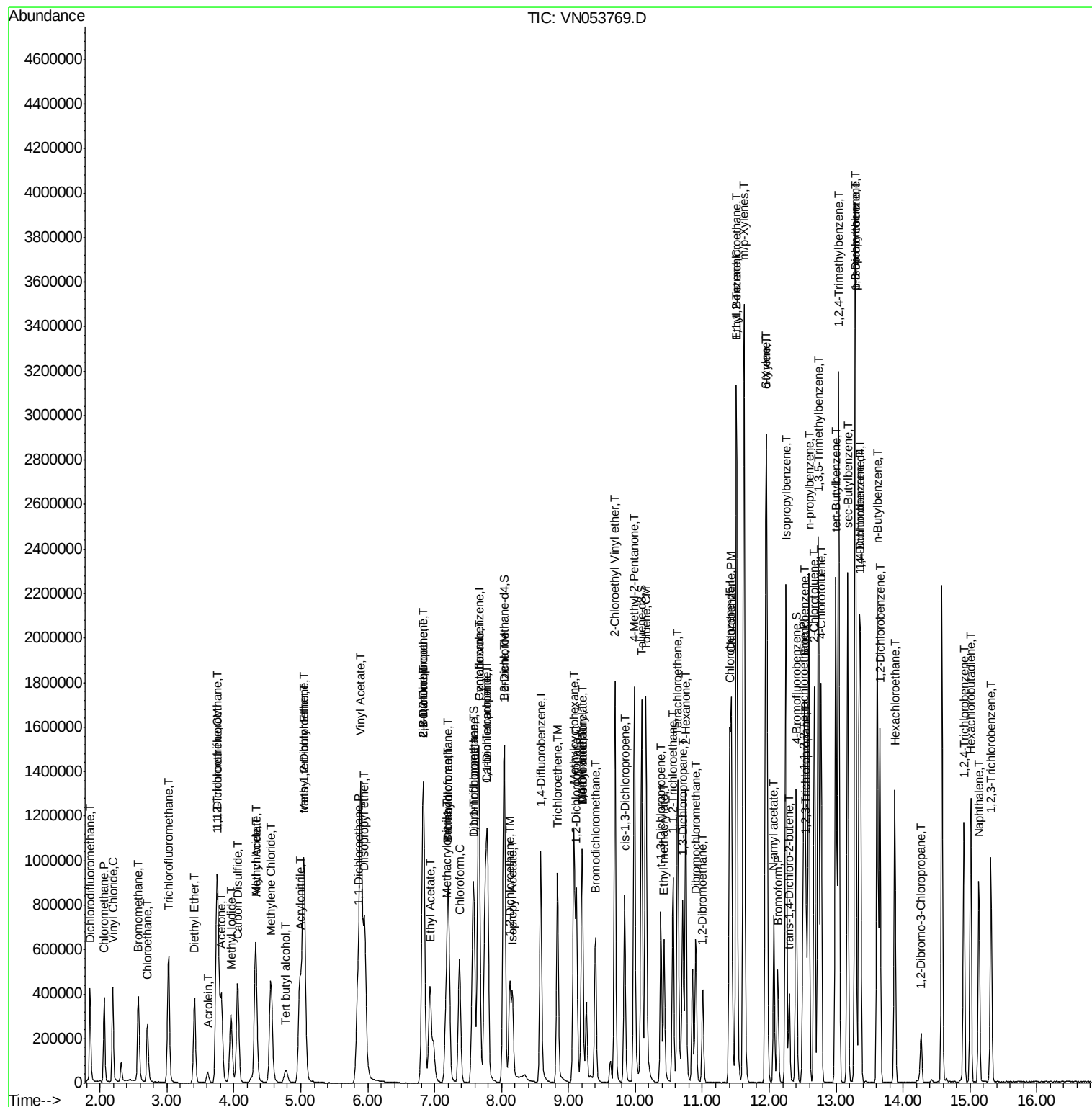
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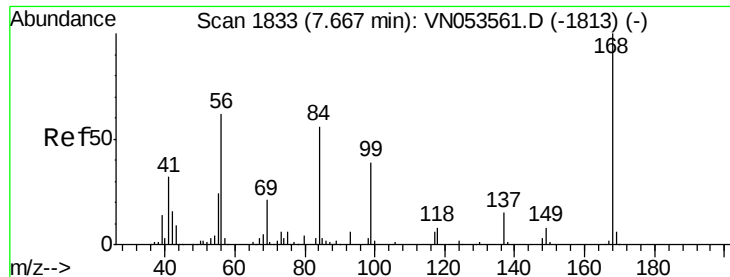
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 743356

Ion Ratio Lower Upper

168 100

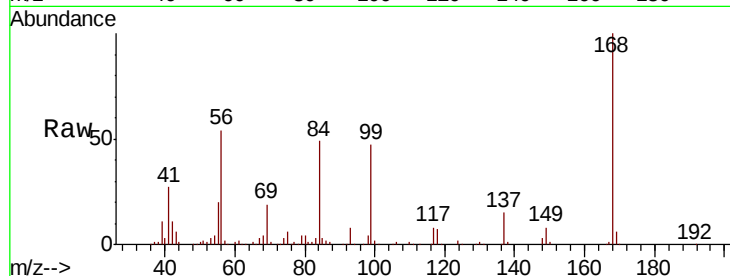
99 46.1 39.1 58.7

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

7.67

300000

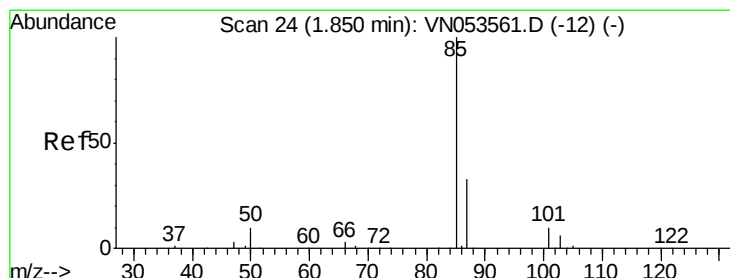
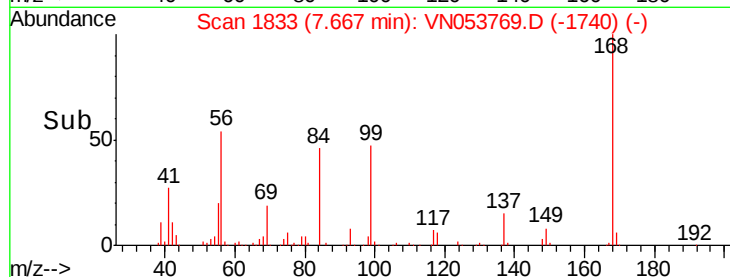
200000

100000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 41.856 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053769.D

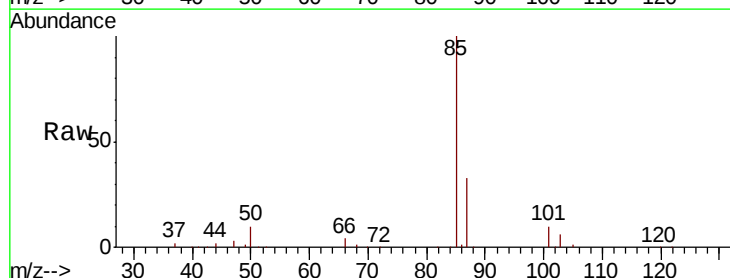
Acq: 14 Feb 2019 10:16

Tgt Ion: 85 Resp: 350307

Ion Ratio Lower Upper

85 100

87 33.1 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

250000

200000

150000

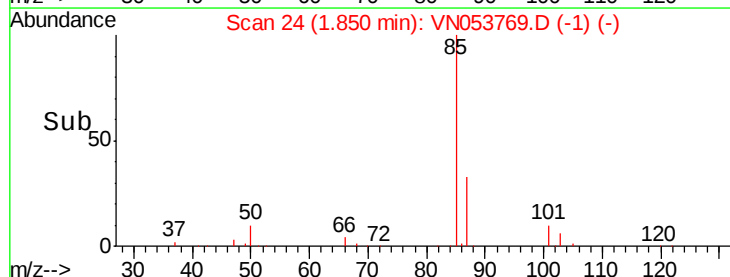
100000

50000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 42.529 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.01 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 375326

Ion Ratio Lower Upper

50 100

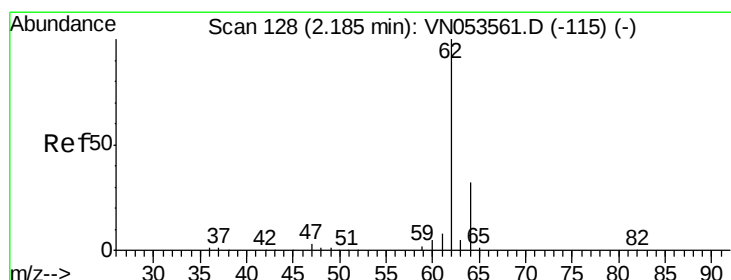
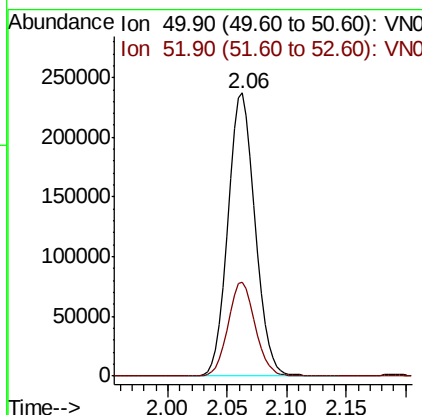
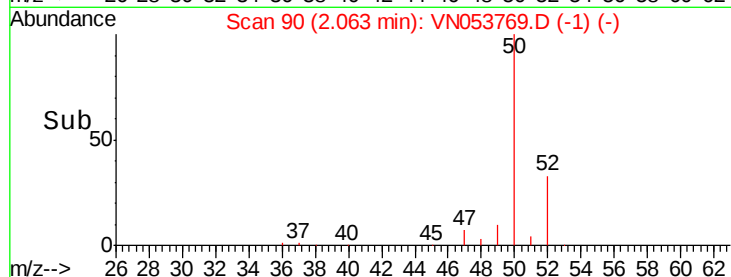
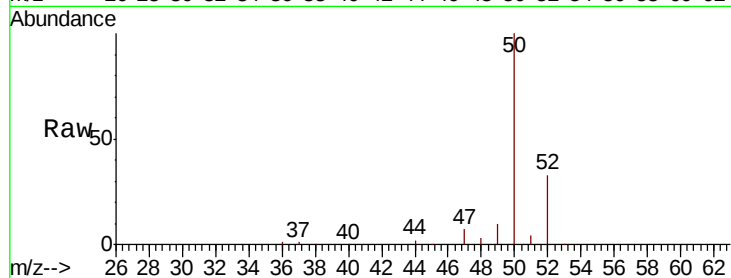
52 33.3 26.6 40.0

Manual Integrations

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2/15/2019 10:19:44 AM



#4

Vinyl Chloride

Concen: 47.431 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN053769.D

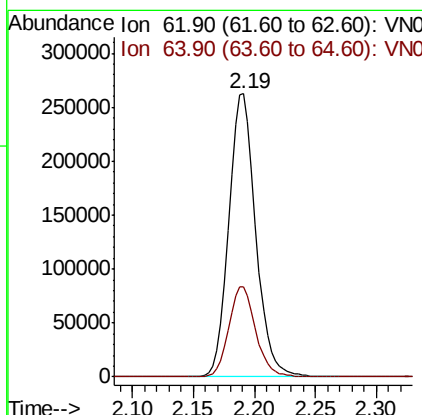
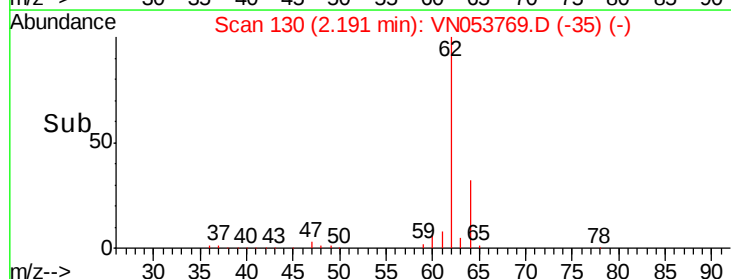
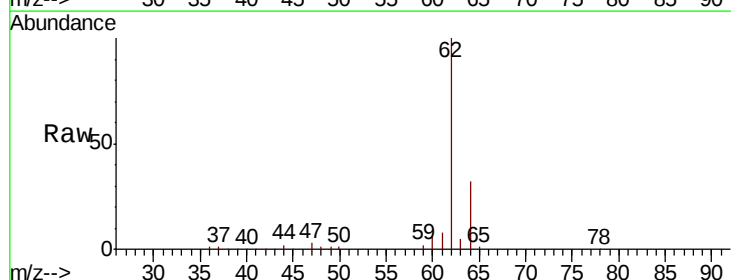
Acq: 14 Feb 2019 10:16

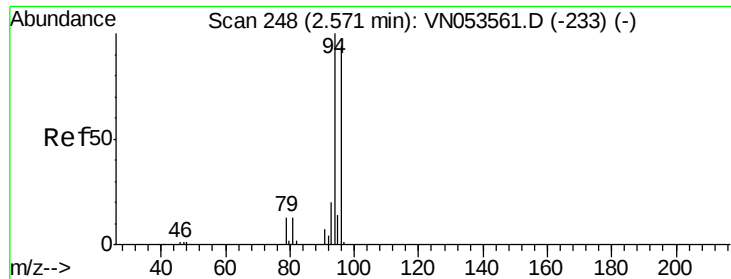
Tgt Ion: 62 Resp: 406339

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 50.783 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

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Tot Ion: 94 Resp: 284460

Ion Ratio Lower Upper

94 100

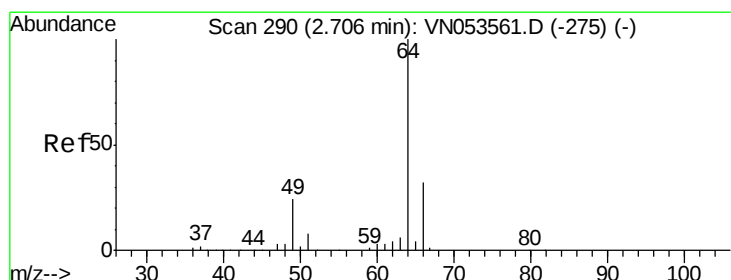
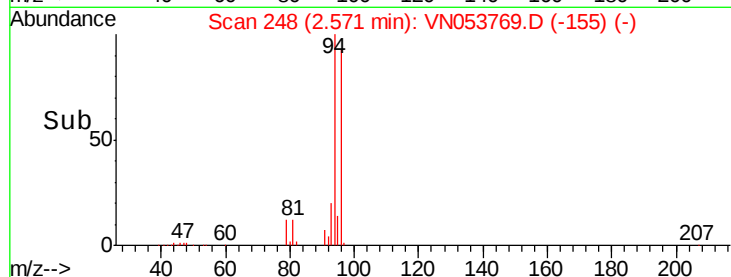
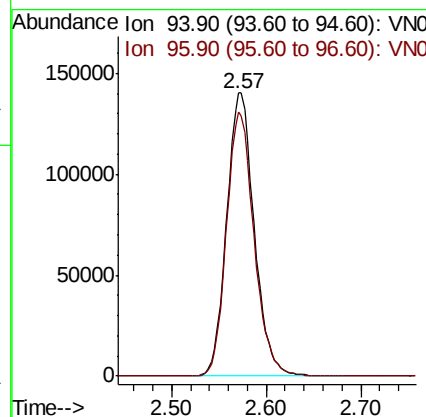
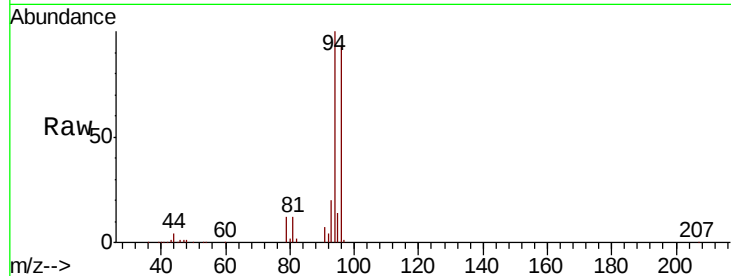
96 93.3 76.8 115.2

Manual Integrations

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2/15/2019 10:19:44 AM



#6

Chloroethane

Concen: 53.170 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN053769.D

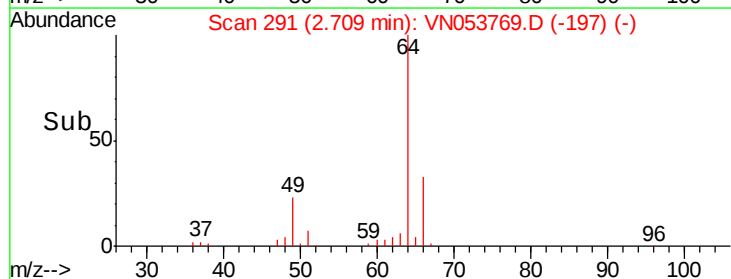
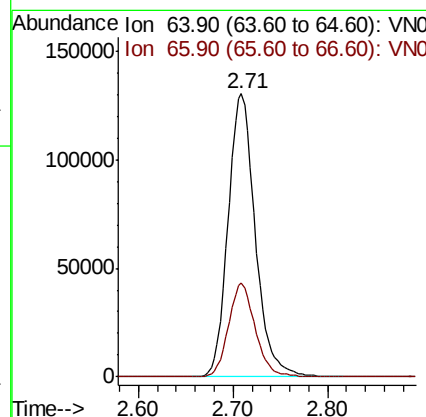
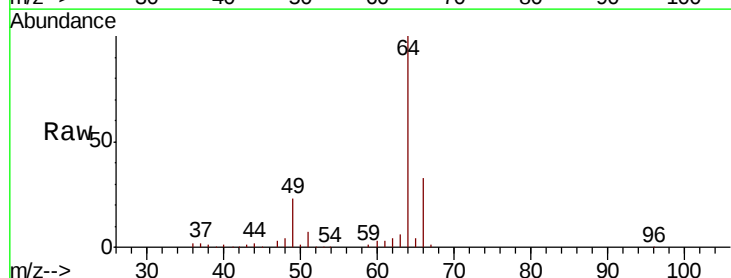
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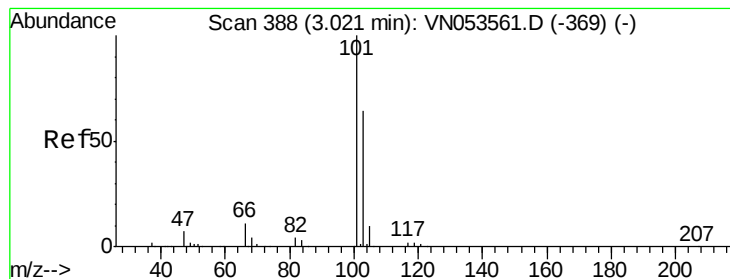
Tgt Ion: 64 Resp: 260298

Ion Ratio Lower Upper

64 100

66 33.3 25.1 37.7





#7

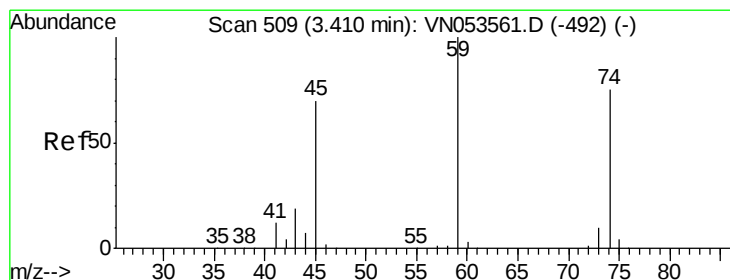
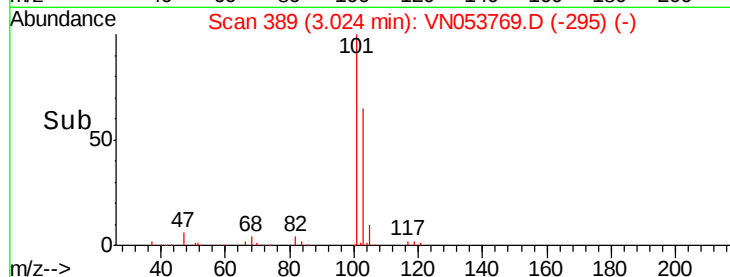
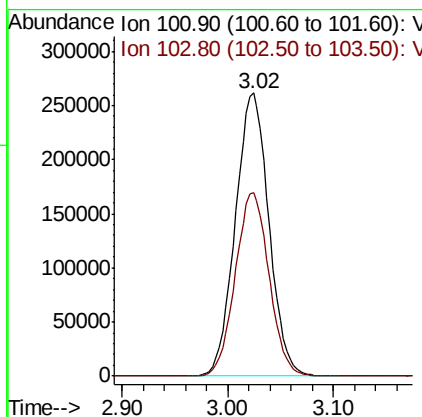
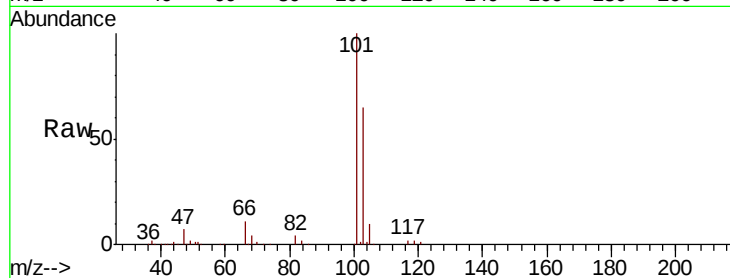
Trichlorofluoromethane
 Concen: 49.734 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.6	77.4

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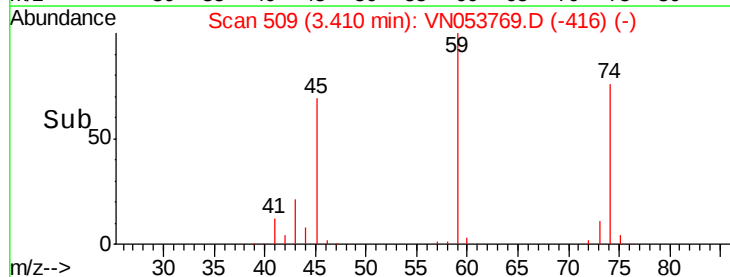
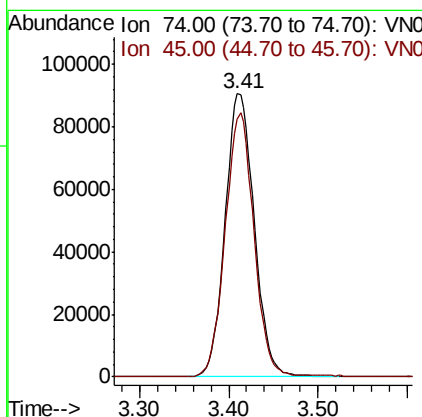
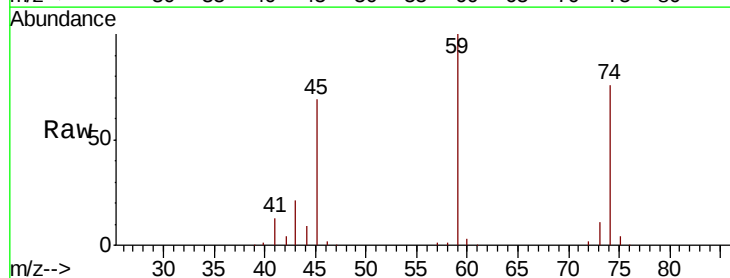
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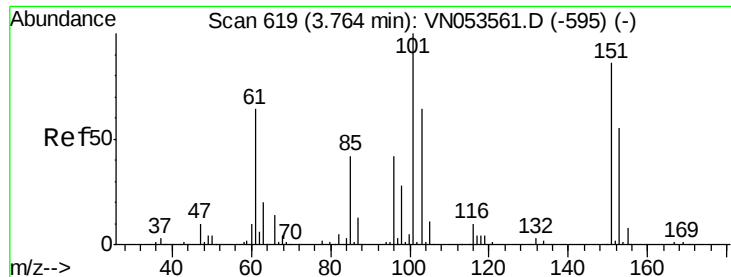


#8

Diethyl Ether
 Concen: 48.354 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.9	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.097 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053769.D

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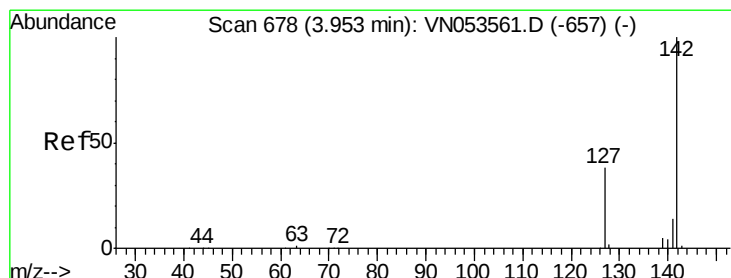
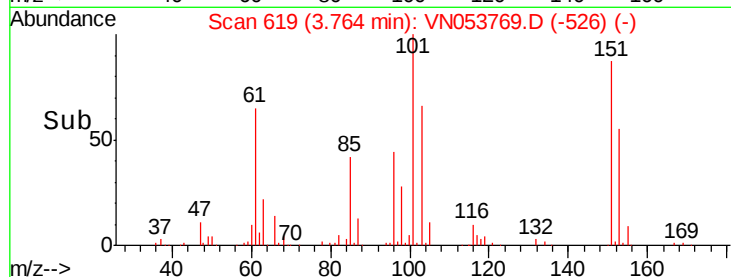
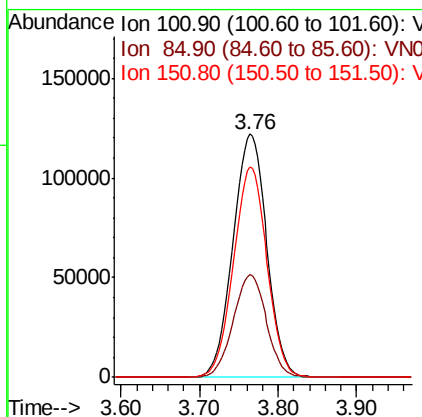
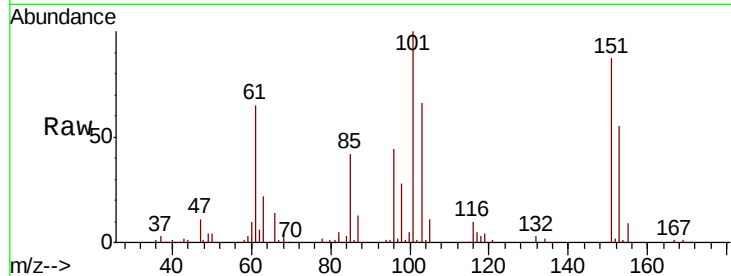
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	367122
Ion Ratio	Lower	Upper	
101	100		
85	41.4	32.8	49.2
151	85.7	66.9	100.3

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#10

Methyl Iodide

Concen: 46.341 ug/l

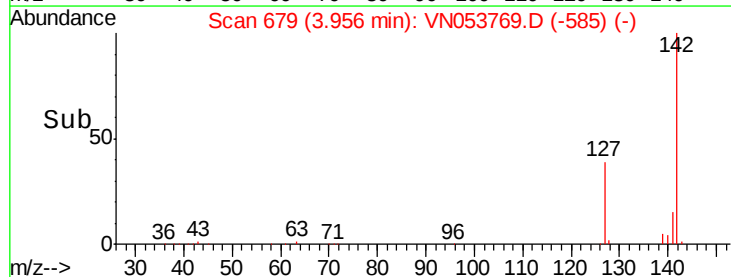
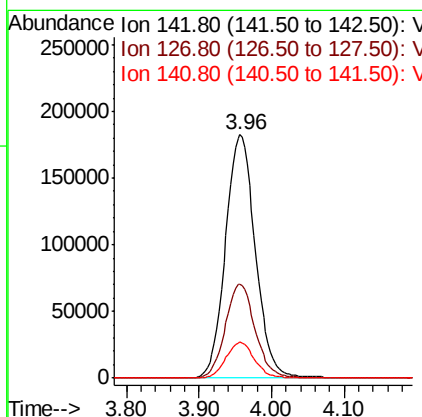
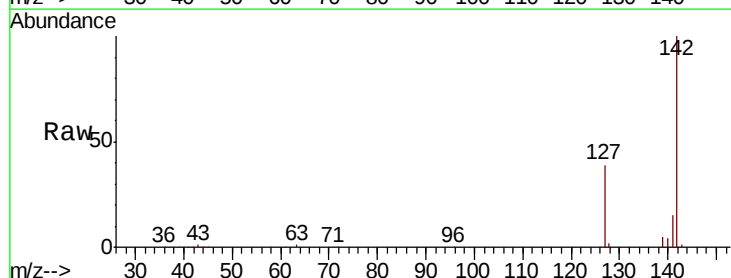
RT: 3.96 min Scan# 679

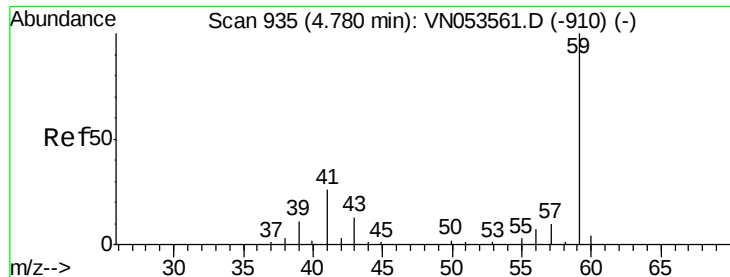
Delta R.T. 0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Tgt Ion:	142	Resp:	522591
Ion Ratio	Lower	Upper	
142	100		
127	38.5	31.0	46.4
141	14.3	11.1	16.7





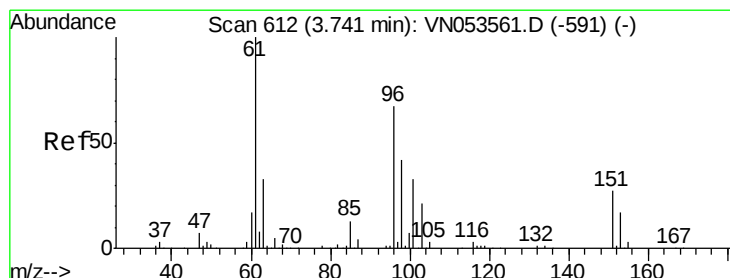
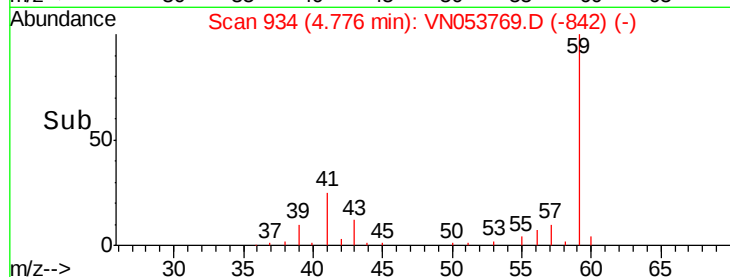
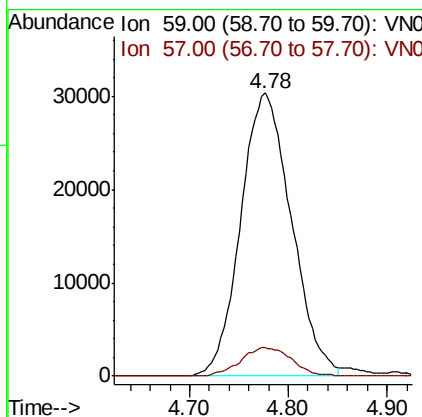
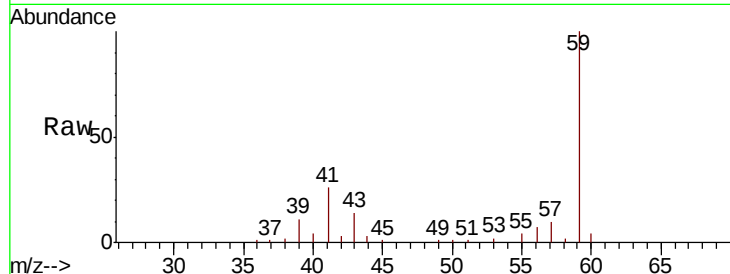
#11
Tert butyl alcohol
Concen: 244.813 ug/l
RT: 4.78 min Scan# 934
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

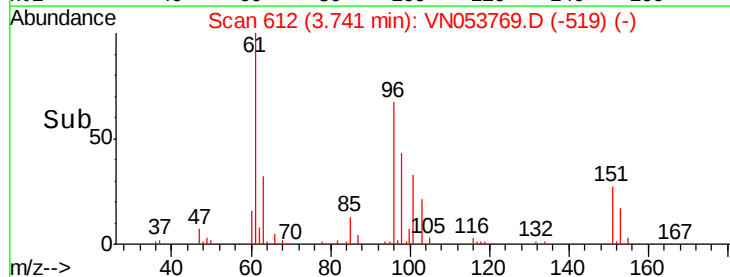
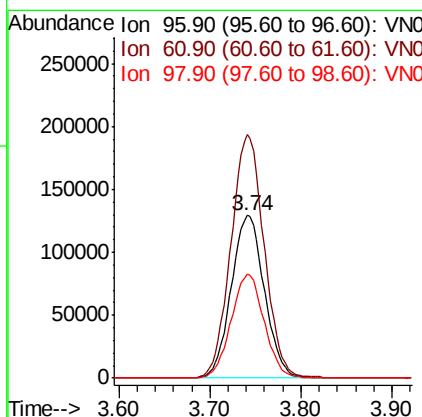
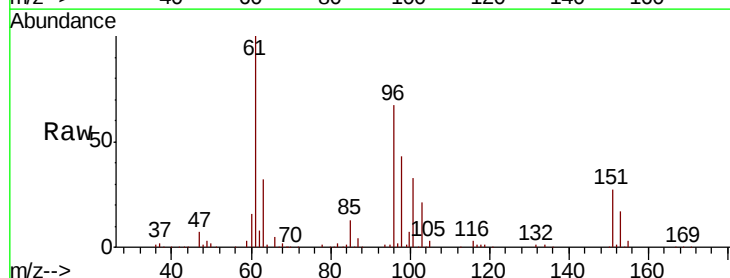
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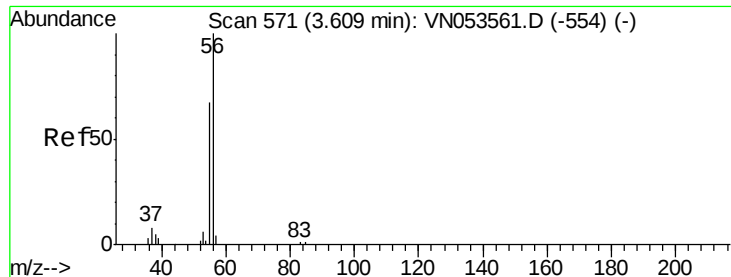
MMDadoda
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#12
1,1-Dichloroethene
Concen: 47.737 ug/l
RT: 3.74 min Scan# 612
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.7	122.9	184.3
98	63.9	49.4	74.0





#13

Acrolein

Concen: 229.825 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 55225

Ion Ratio Lower Upper

56 100

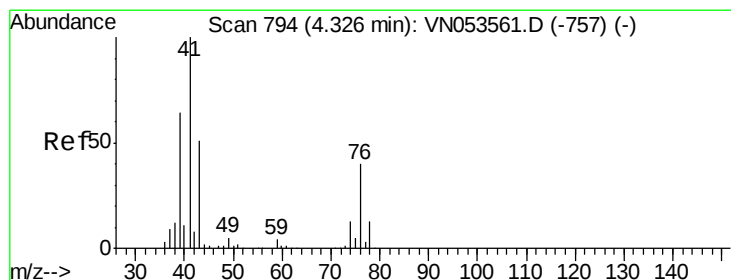
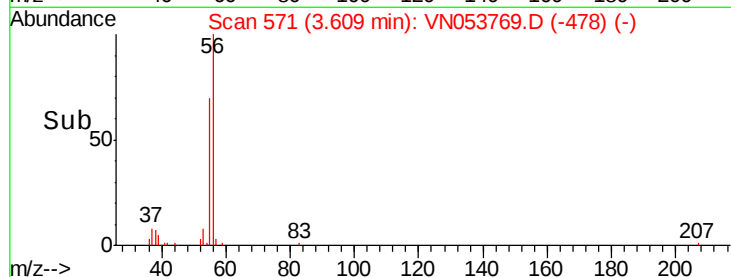
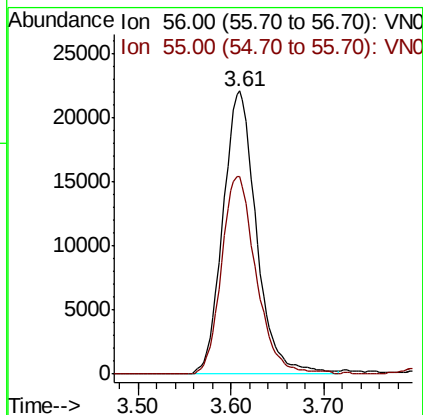
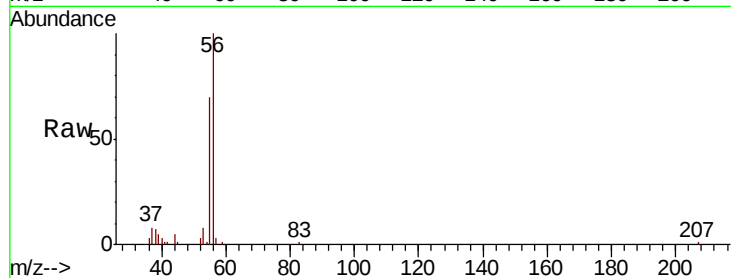
55 71.8 57.4 86.0

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#14

Allyl chloride

Concen: 46.899 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

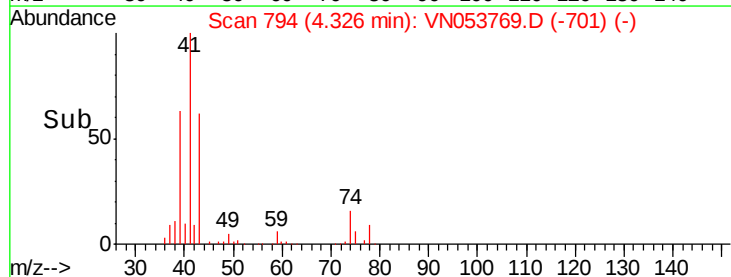
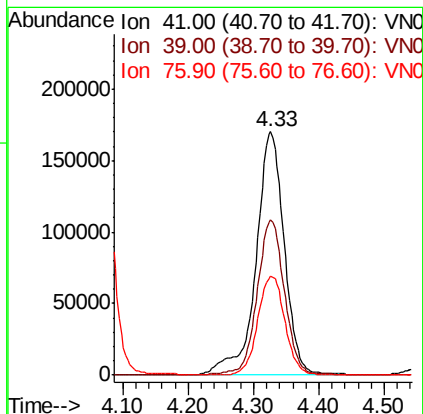
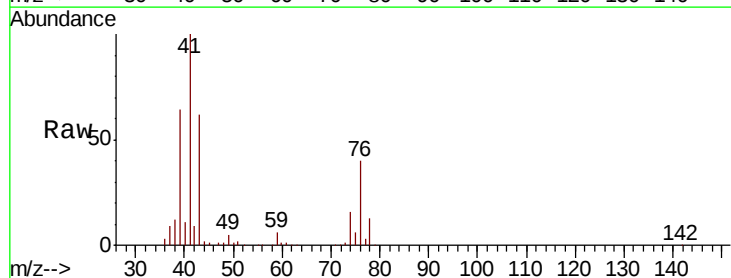
Tgt Ion: 41 Resp: 514030

Ion Ratio Lower Upper

41 100

39 61.5 48.9 73.3

76 38.3 29.4 44.2





#15

Acrylonitrile

Concen: 260.154 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

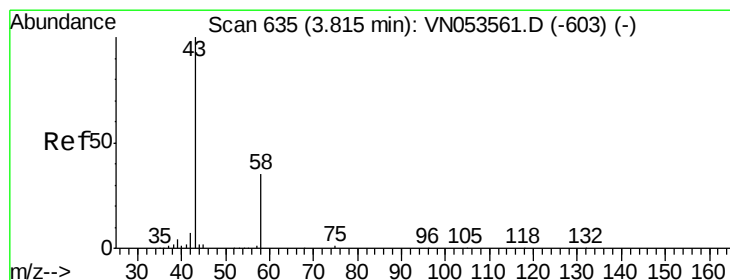
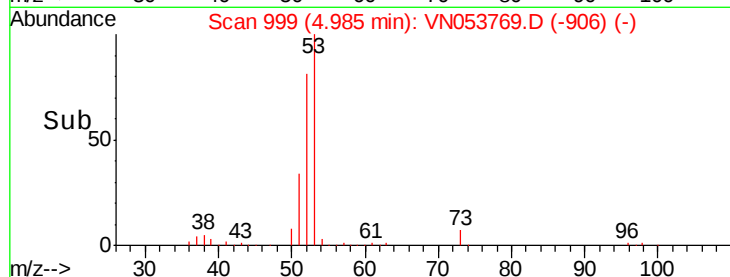
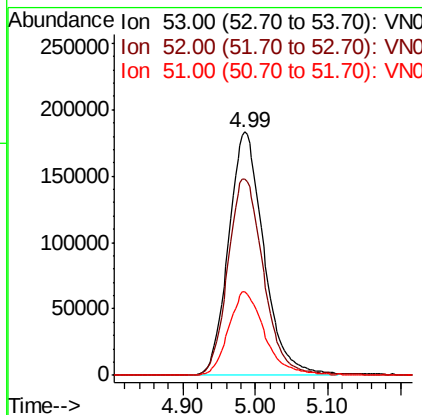
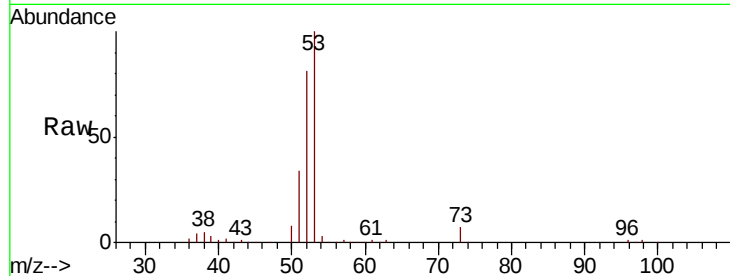
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	619839
Ion	Ratio	Lower	Upper
53	100		
52	81.2	66.0	99.0
51	35.3	28.3	42.5

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#16

Acetone

Concen: 318.484 ug/l

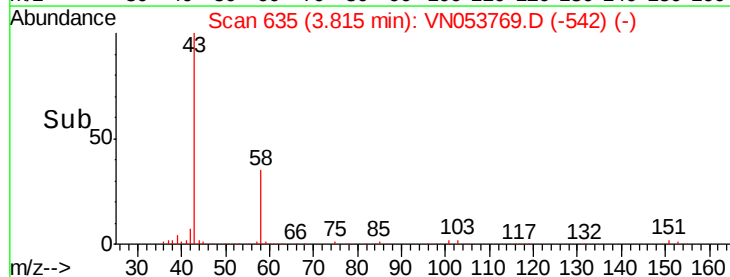
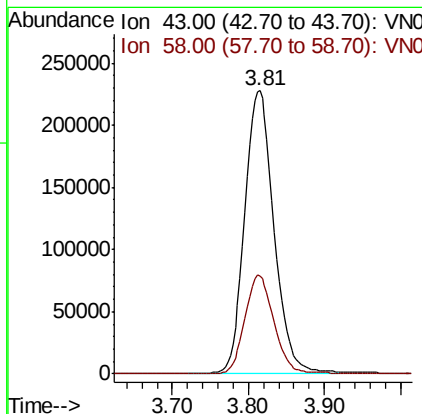
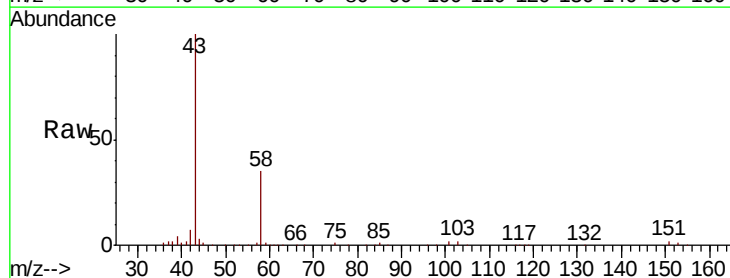
RT: 3.81 min Scan# 635

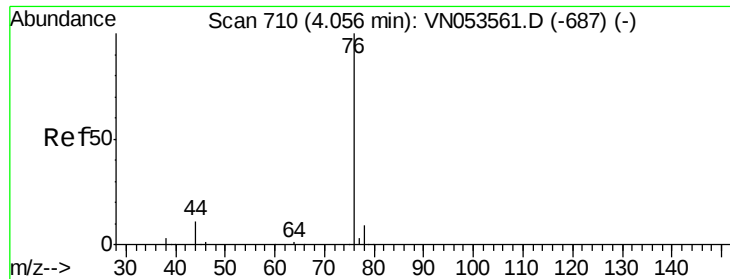
Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Tgt Ion:	43	Resp:	609201
Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.1	40.7





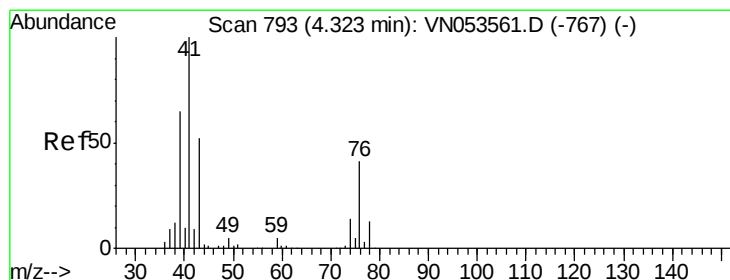
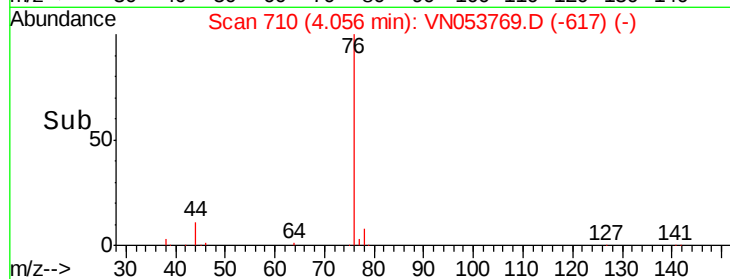
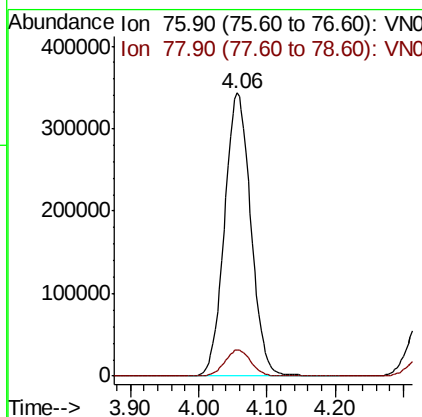
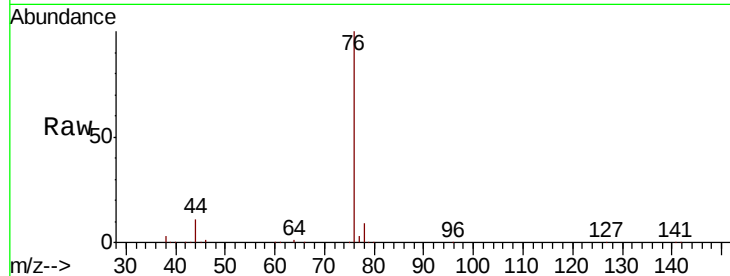
#17
Carbon Disulfide
Concen: 42.882 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

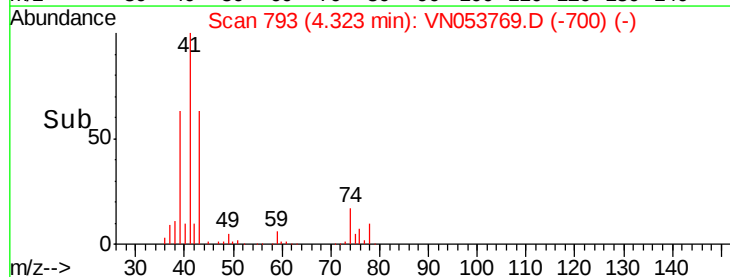
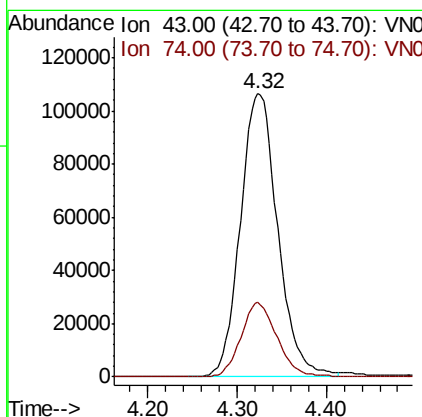
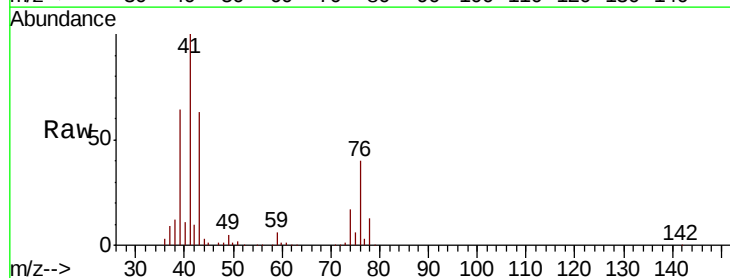
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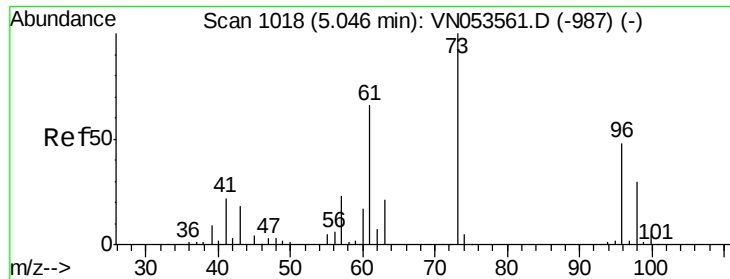
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#18
Methyl Acetate
Concen: 54.540 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	19.4	29.2





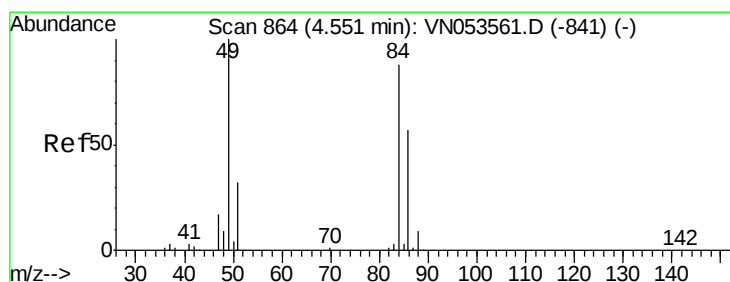
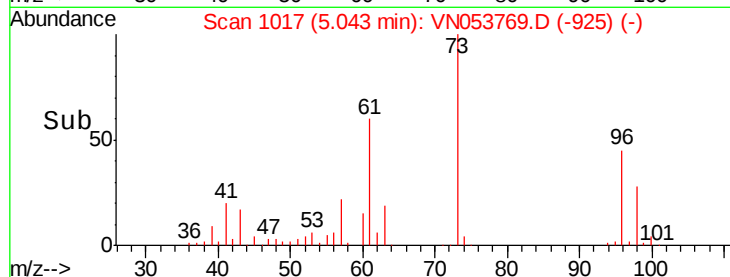
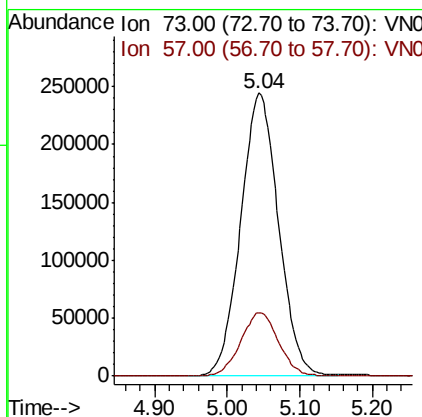
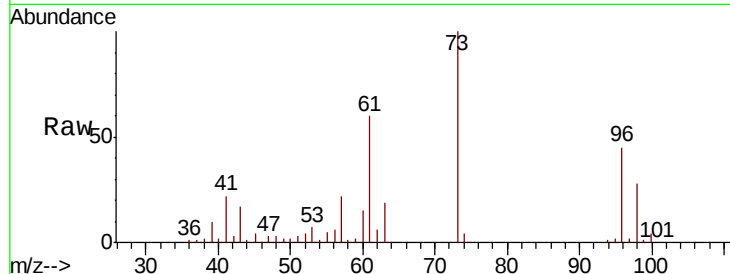
#19
Methvl tert-butvl Ether
Concen: 50.888 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 888010
Ion Ratio Lower Upper
73 100
57 22.4 18.3 27.5

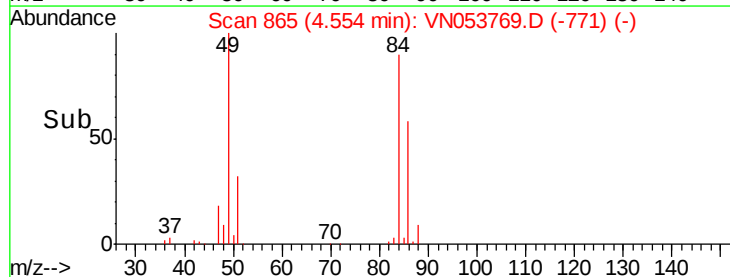
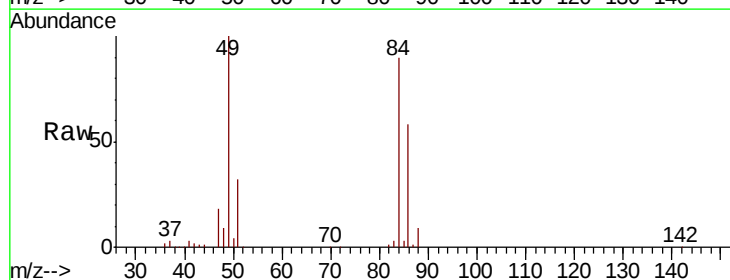
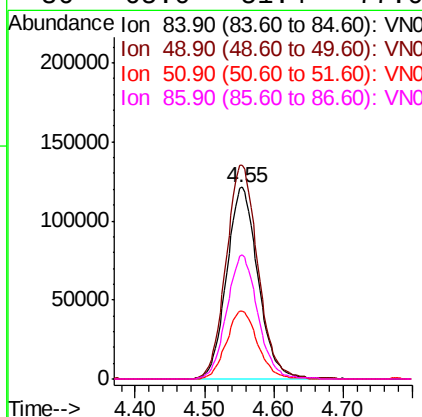
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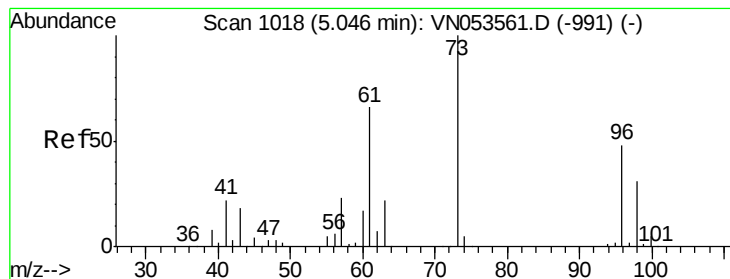
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#20
Methylene Chloride
Concen: 47.888 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion: 84 Resp: 384304
Ion Ratio Lower Upper
84 100
49 111.3 94.3 141.5
51 35.3 29.4 44.2
86 65.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 47.836 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

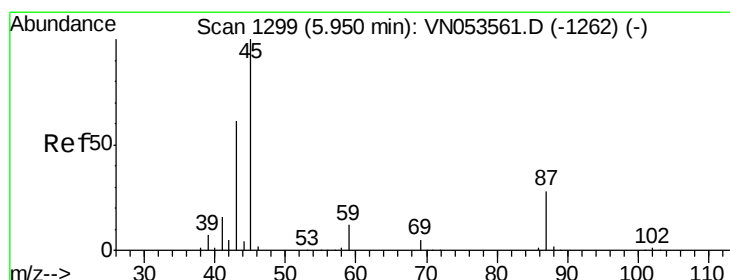
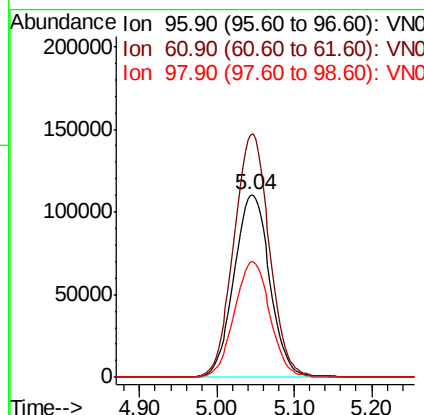
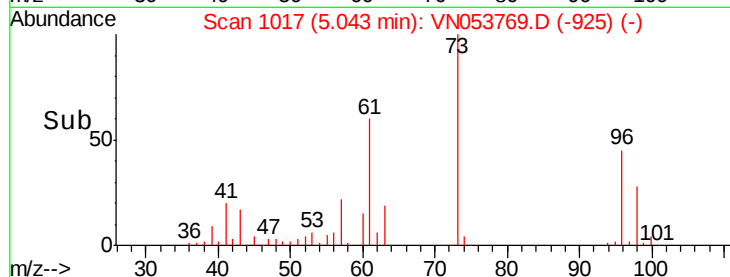
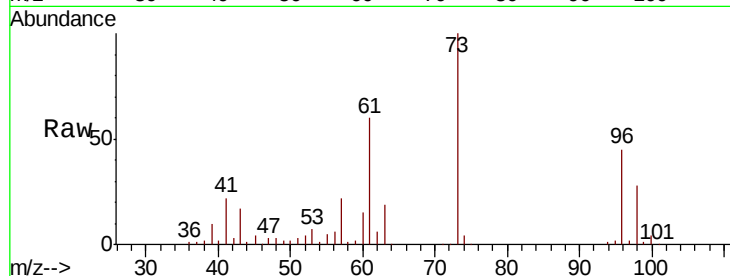
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	355257
Ion	Ratio	Lower	Upper
96	100		
61	132.7	110.1	165.1
98	63.0	50.0	75.0

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#22

Diisopropyl ether

Concen: 50.280 ug/l

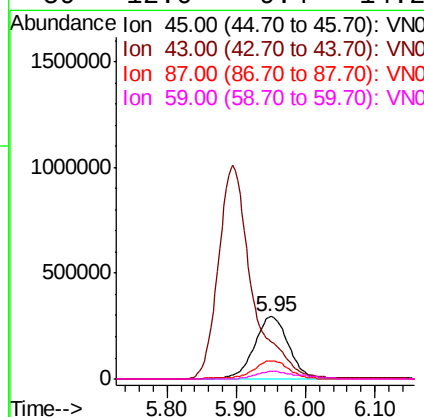
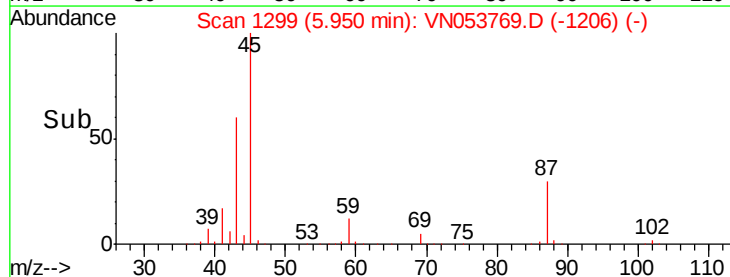
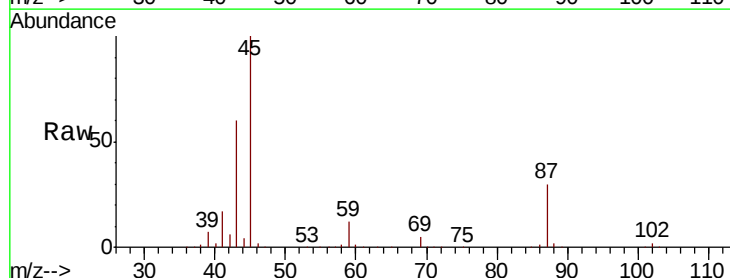
RT: 5.95 min Scan# 1299

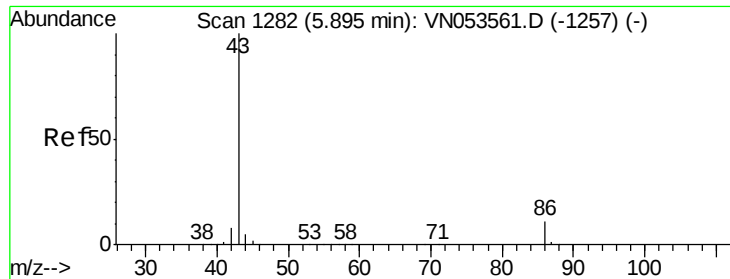
Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Tgt Ion:	45	Resp:	1021102
Ion	Ratio	Lower	Upper
45	100		
43	58.2	44.2	66.4
87	29.0	22.7	34.1
59	12.0	9.4	14.2





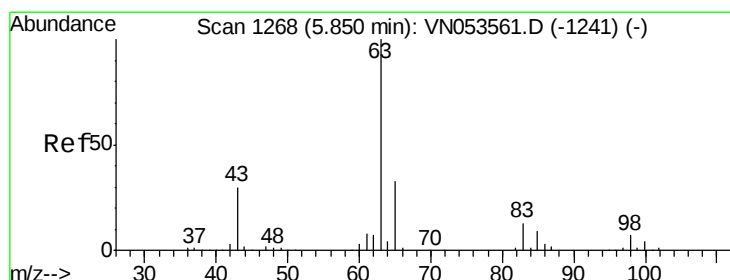
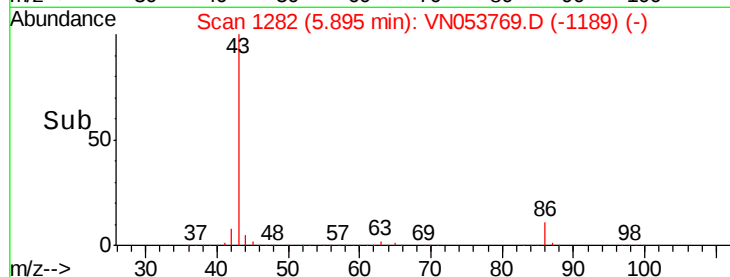
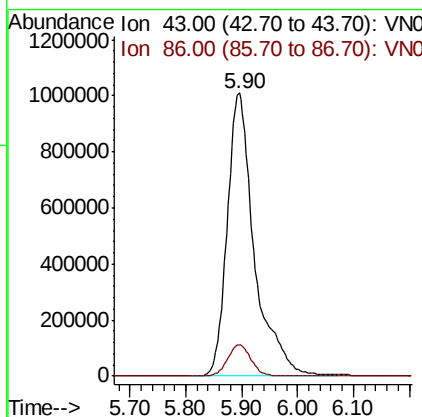
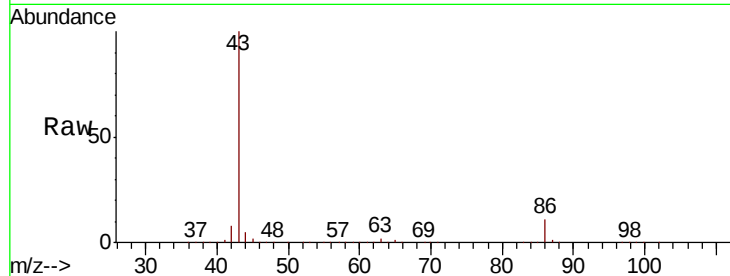
#23
 Vinyl Acetate
 Concen: 243.639 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3422899
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.4 12.6

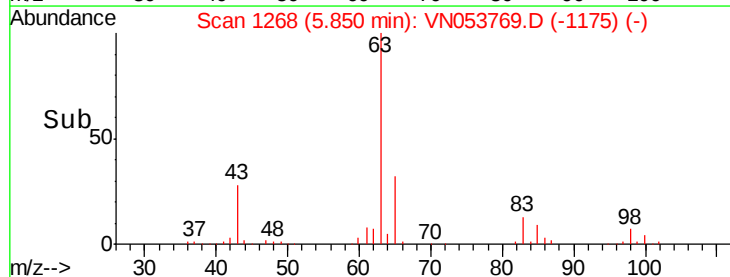
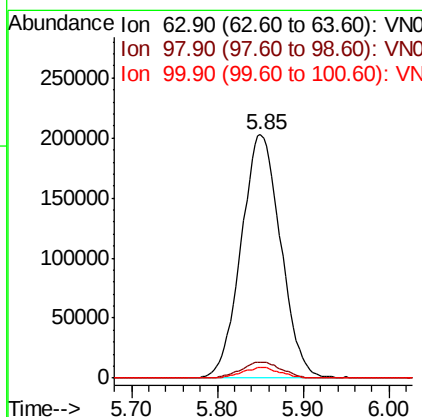
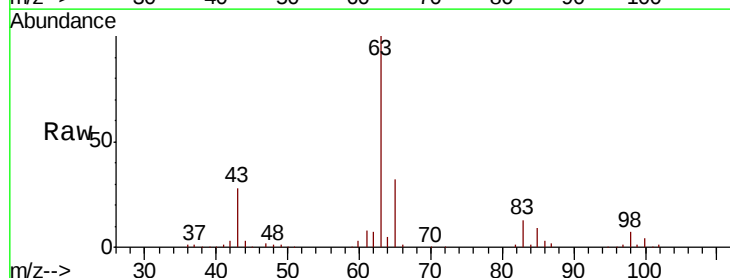
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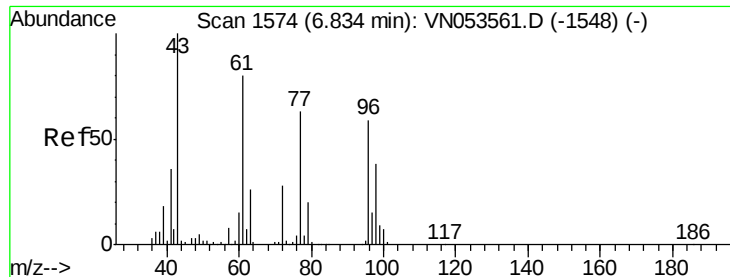
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#24
 1,1-Dichloroethane
 Concen: 47.815 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Tgt Ion: 63 Resp: 647685
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.9
 100 4.3 2.1 6.5





#25

2-Butanone

Concen: 252.914 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 689974

Ion Ratio Lower Upper

43 100

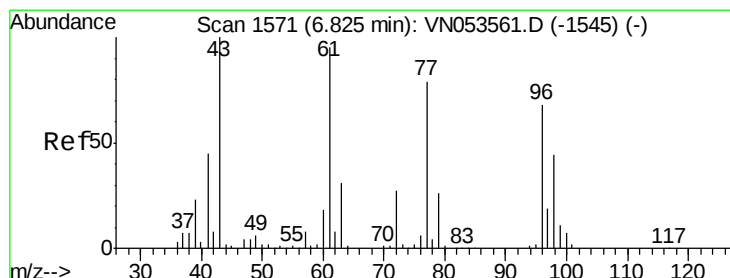
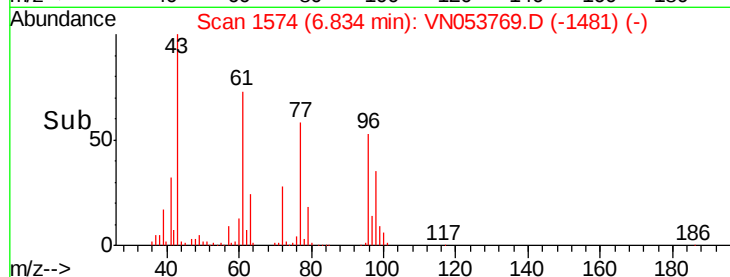
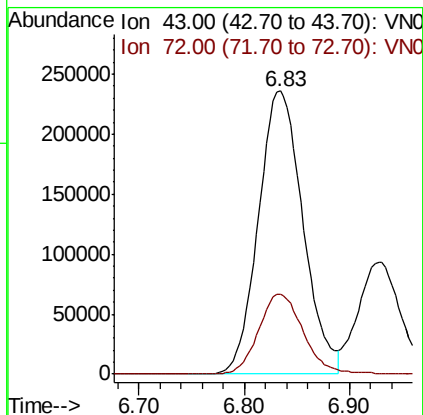
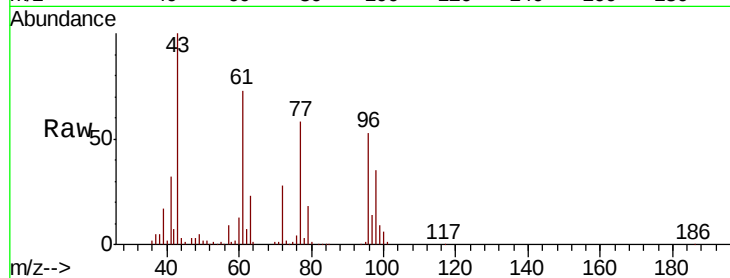
72 28.2 22.0 33.0

Manual Integrations

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2/15/2019 10:19:44 AM



#26

2,2-Dichloropropane

Concen: 45.332 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN053769.D

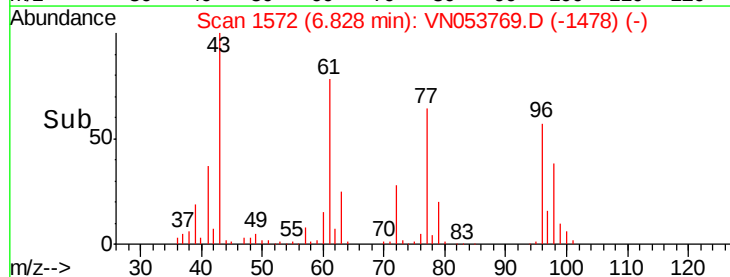
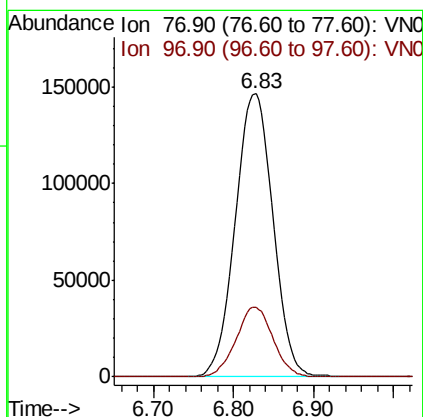
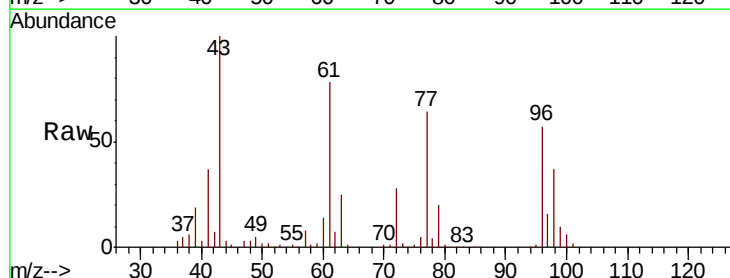
Acq: 14 Feb 2019 10:16

Tgt Ion: 77 Resp: 468737

Ion Ratio Lower Upper

77 100

97 24.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 45.638 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

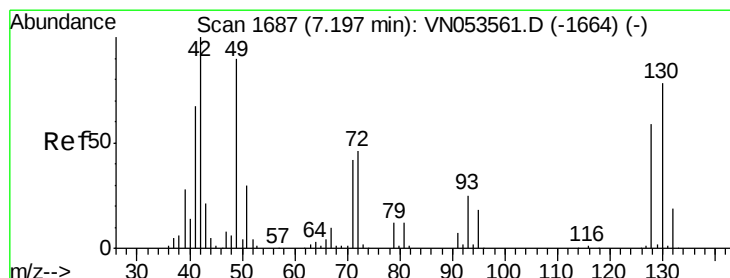
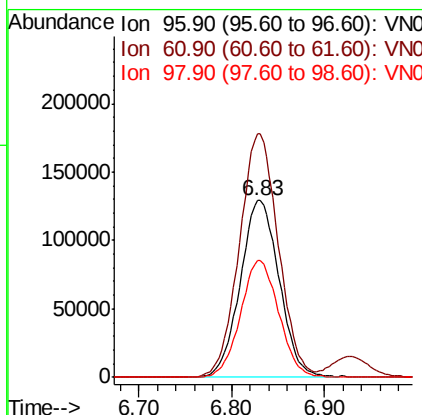
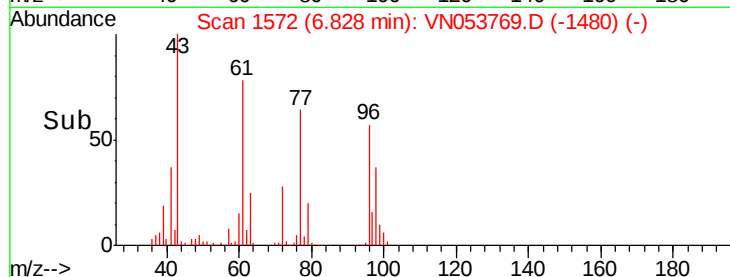
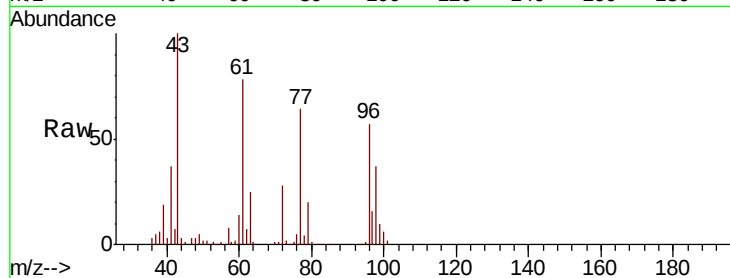
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	376877
Ion	Ratio	Lower	Upper
96	100		
61	137.9	0.0	283.8
98	65.3	0.0	129.2

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#28

Bromochloromethane

Concen: 47.550 ug/l

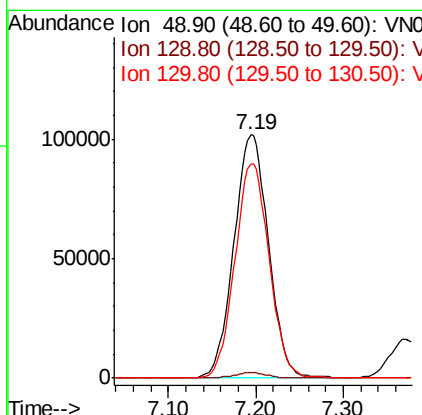
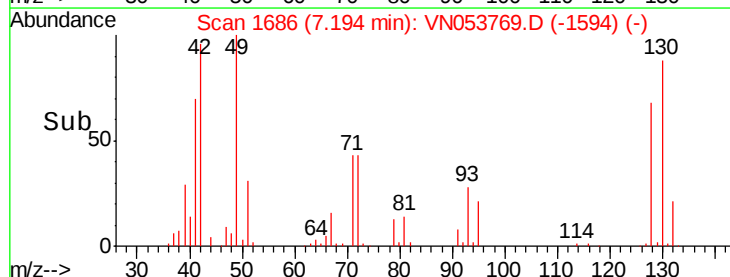
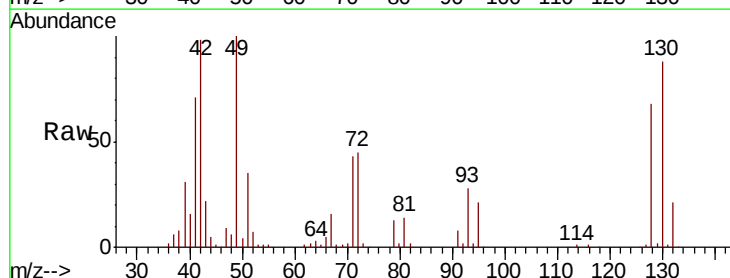
RT: 7.19 min Scan# 1686

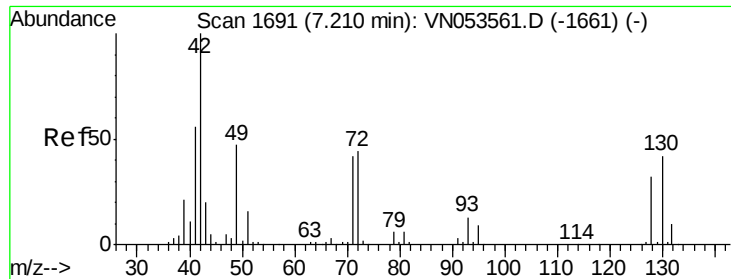
Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Tgt Ion:	49	Resp:	279508
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.0
130	87.7	66.3	99.5





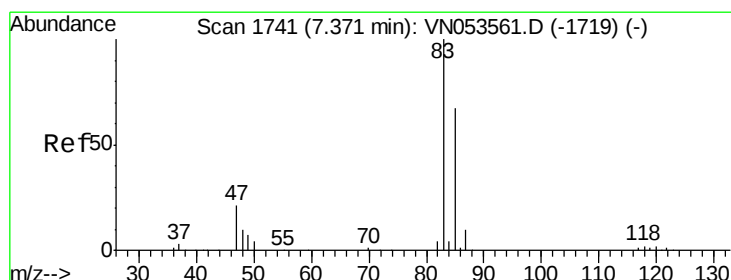
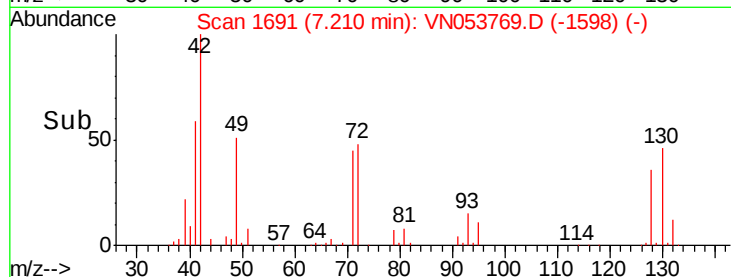
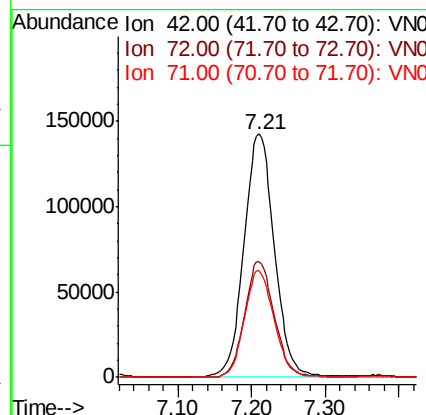
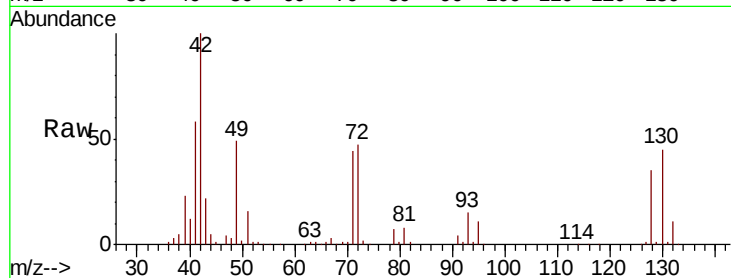
#29
Tetrahydrofuran
Concen: 233.684 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.2	35.2	52.8
71	43.2	33.0	49.4

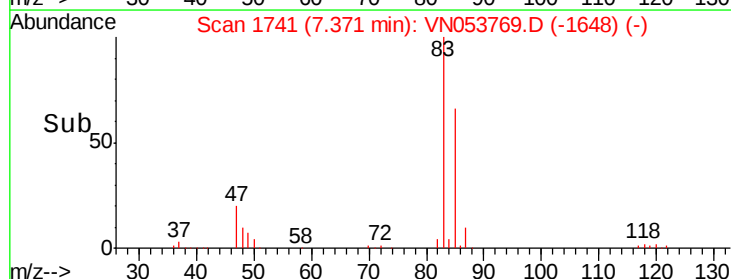
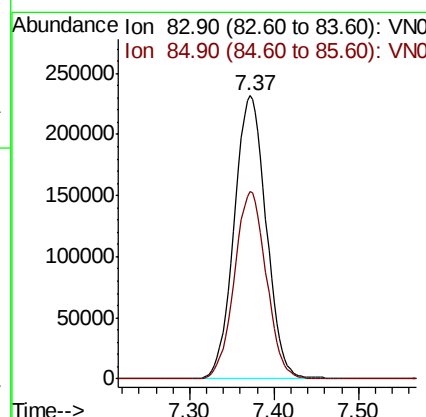
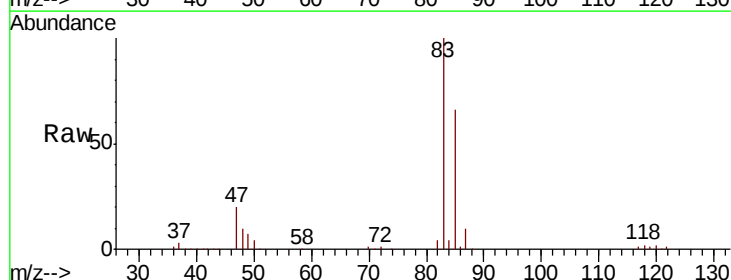
Manual Integrations
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2/15/2019 10:19:44 AM



#30
Chloroform
Concen: 45.596 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.2	78.2





#31

Cyclohexane

Concen: 42.171 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

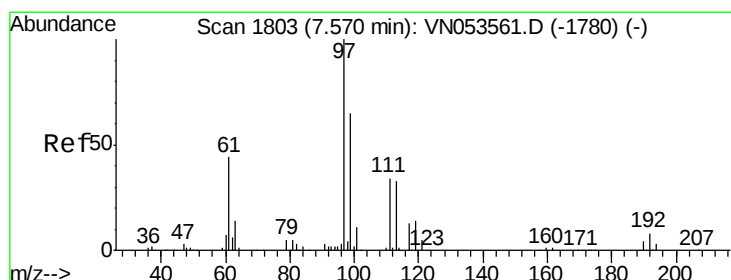
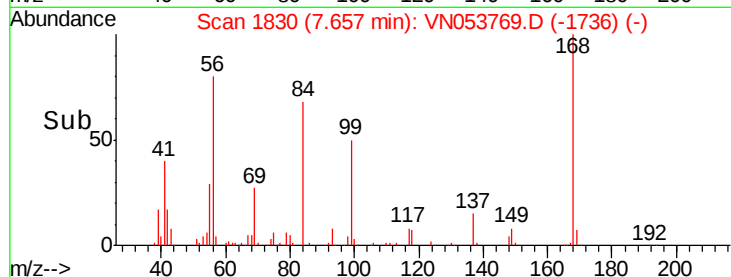
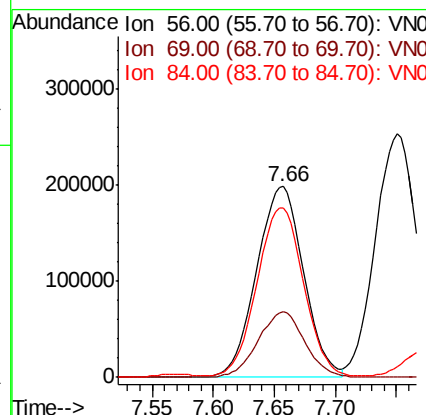
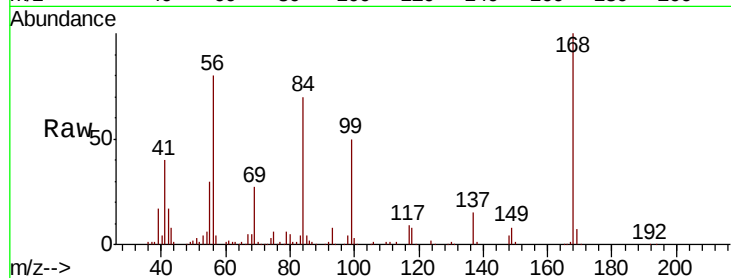
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	532180
Ion Ratio	Lower	Upper	
56	100		
69	34.4	26.4	39.6
84	87.4	67.9	101.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.096 ug/l

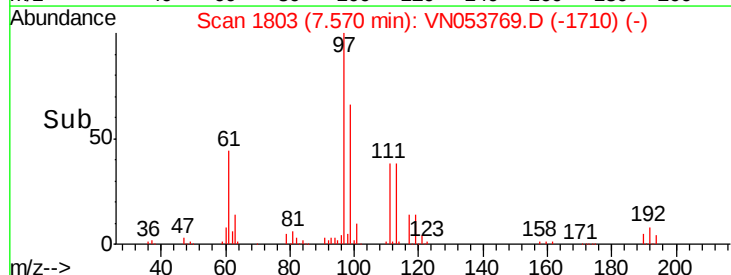
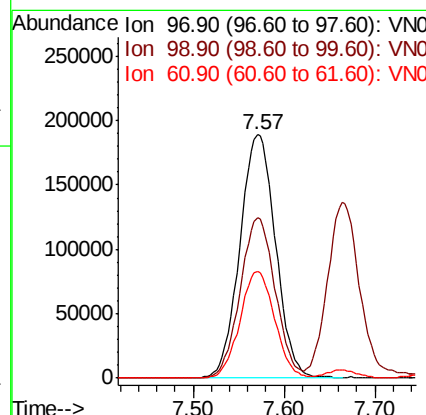
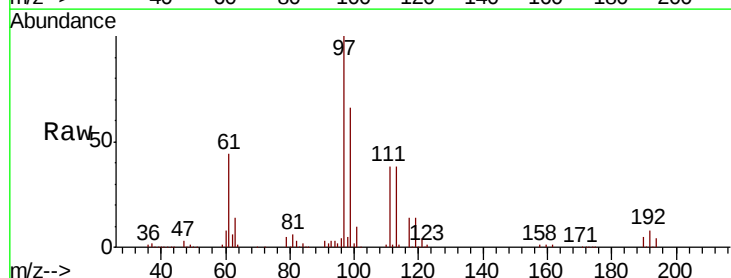
RT: 7.57 min Scan# 1803

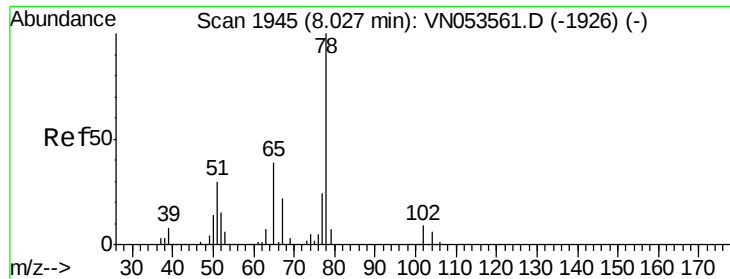
Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Tgt Ion:	97	Resp:	515101
Ion Ratio	Lower	Upper	
97	100		
99	64.7	52.0	78.0
61	42.7	34.4	51.6





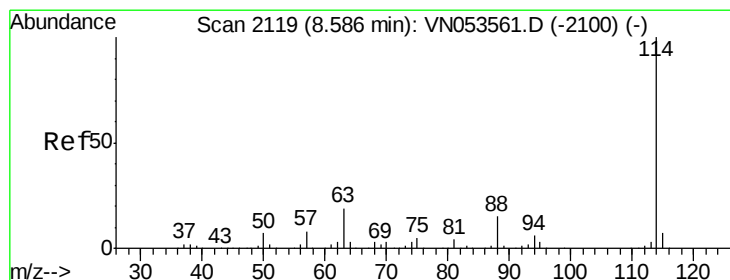
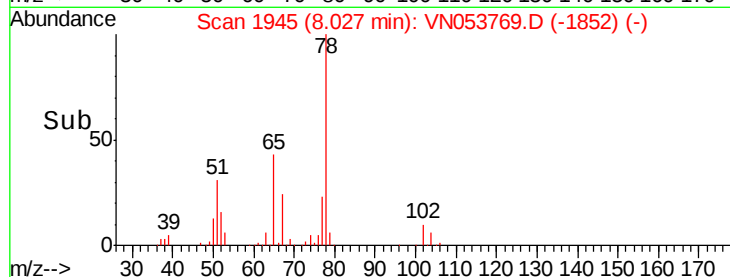
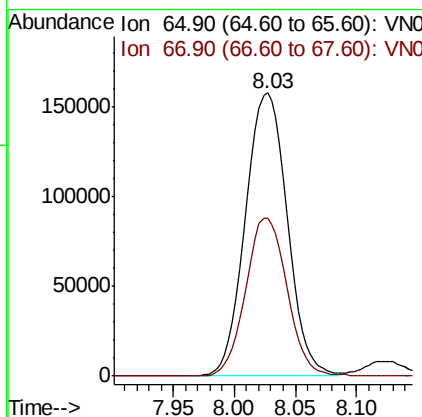
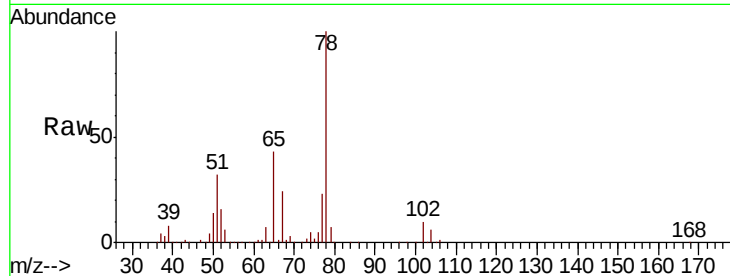
#33
 1,2-Dichloroethane-d4
 Concen: 50.394 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.2	0.0	111.2	

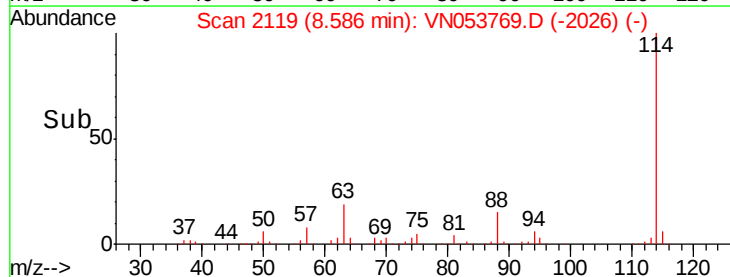
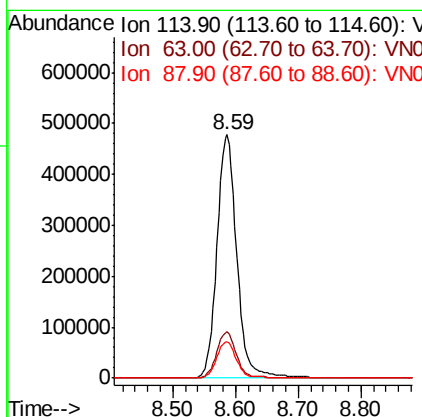
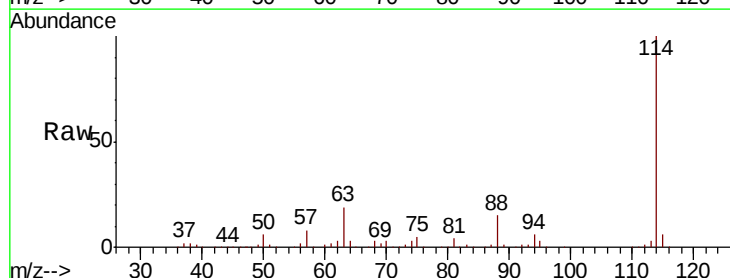
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	38.6	
88	15.1	0.0	30.4	





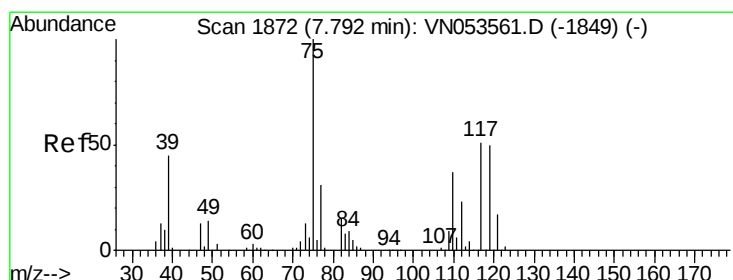
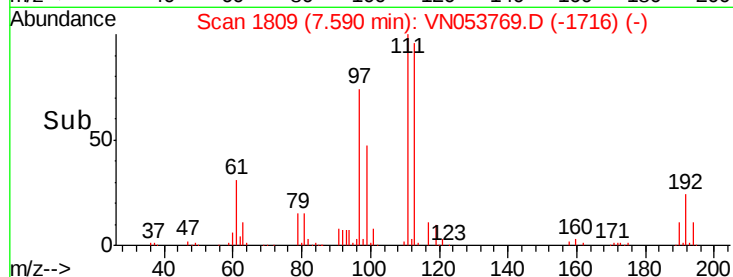
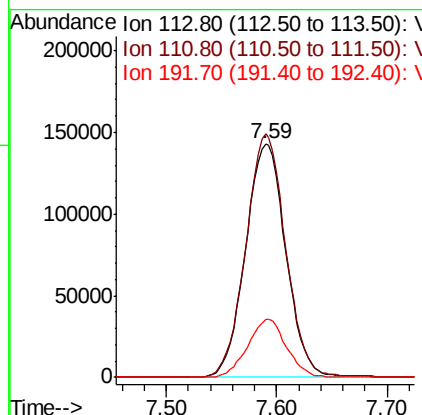
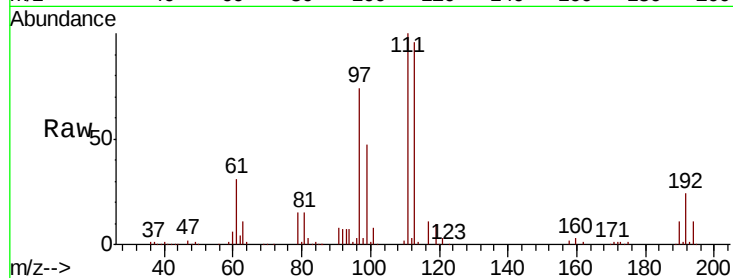
#35
 Dibromofluoromethane
 Concen: 54.522 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	362145		
111	102.9	81.1	121.7	
192	24.0	18.2	27.2	

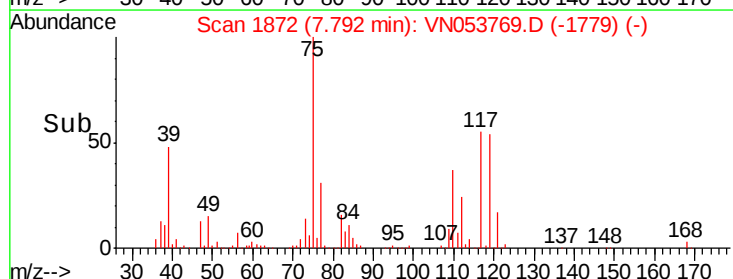
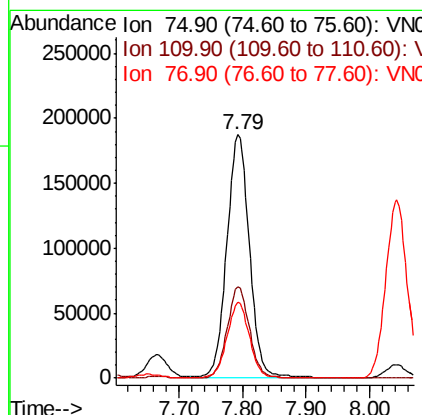
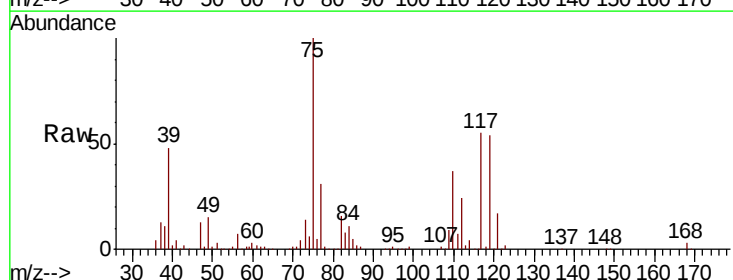
Manual Integrations
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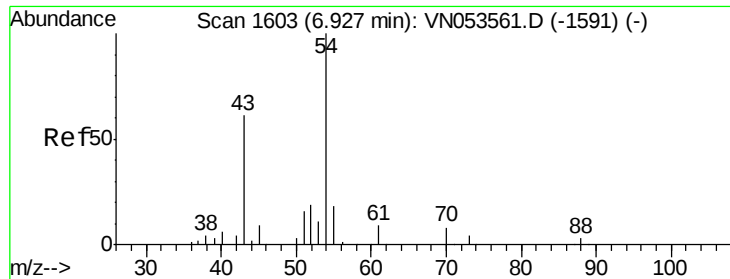
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#36
 1,1-Dichloropropene
 Concen: 48.871 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	463099		
110	36.9	18.1	54.3	
77	31.0	25.1	37.7	





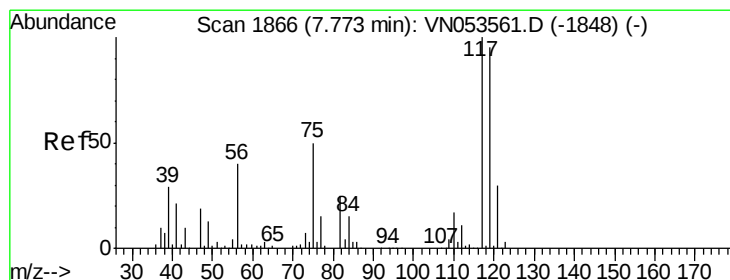
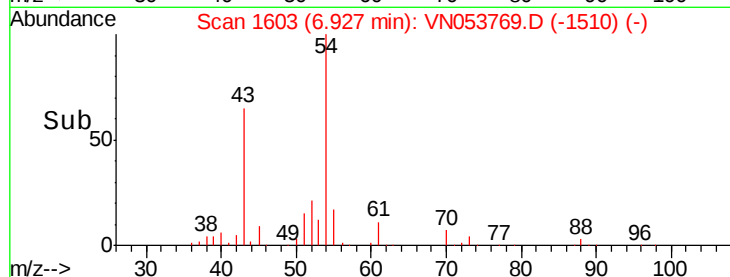
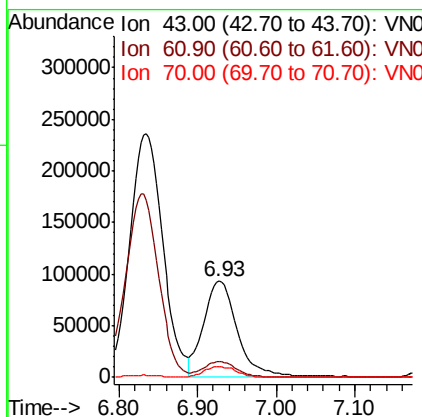
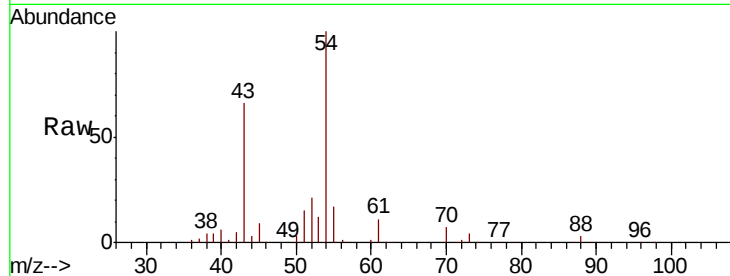
#37
Ethyl Acetate
Concen: 51.611 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70
Resp	273141		
Ratio	100	15.7	10.8
Lower		11.8	8.6
Upper		17.6	12.8

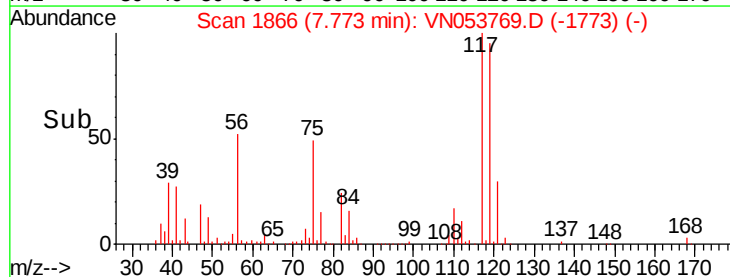
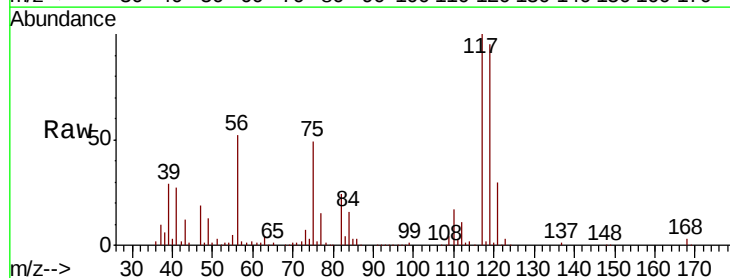
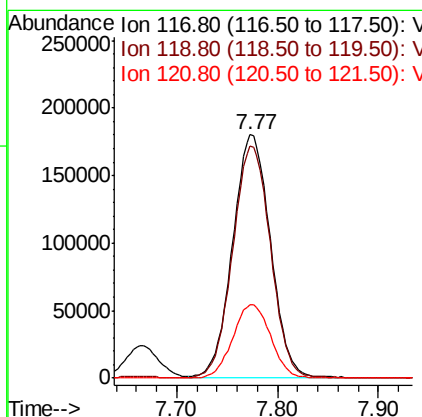
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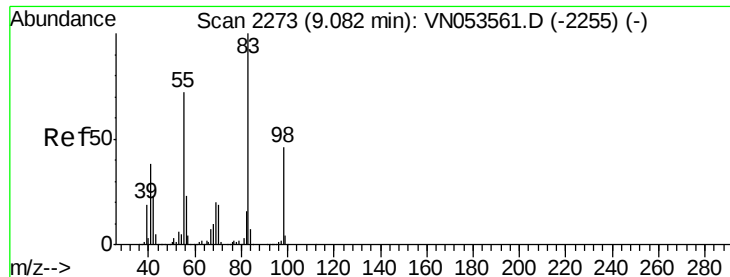
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#38
Carbon Tetrachloride
Concen: 48.700 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	117	119	121
Resp	464892		
Ratio	100	95.3	30.1
Lower		77.2	24.6
Upper		115.8	37.0





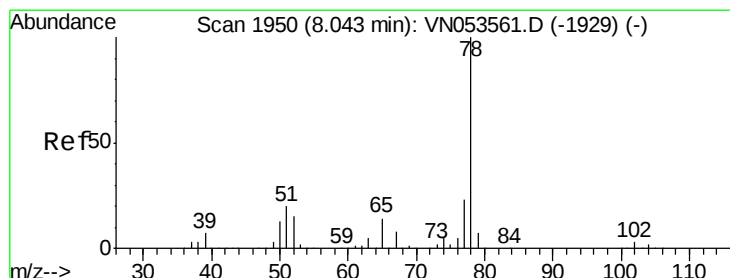
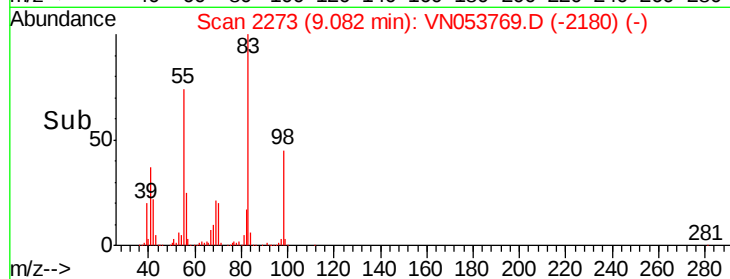
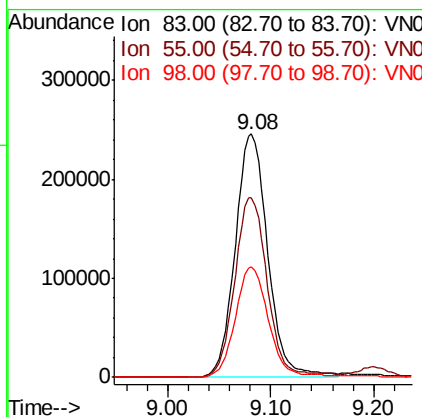
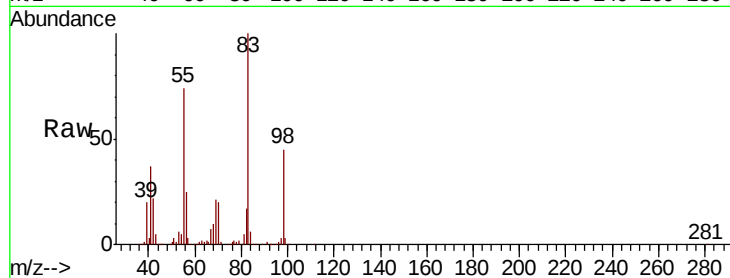
#39
Methvlcvclohexane
Concen: 48.219 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	60.1	90.1
98	45.4	36.6	55.0

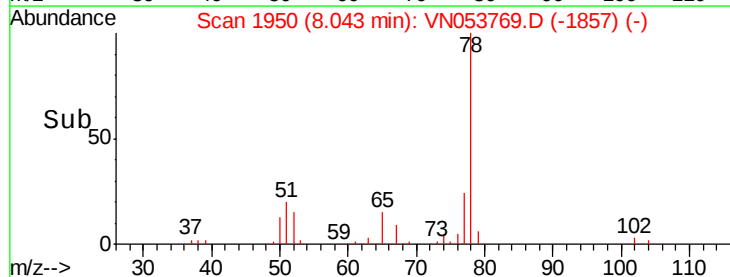
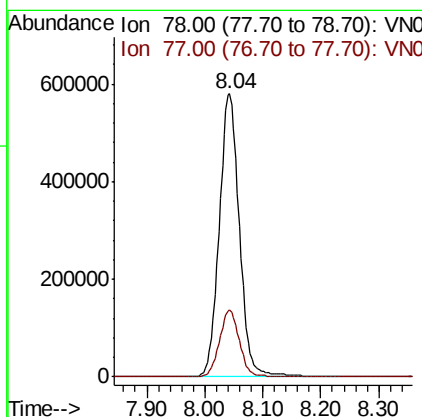
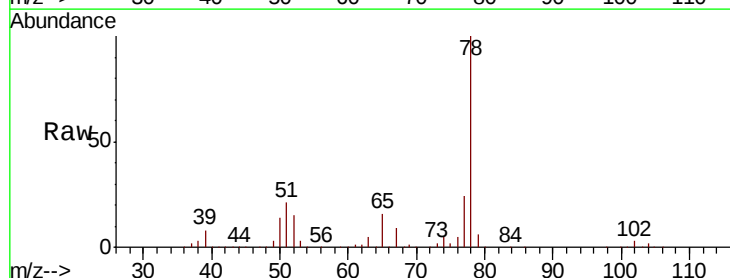
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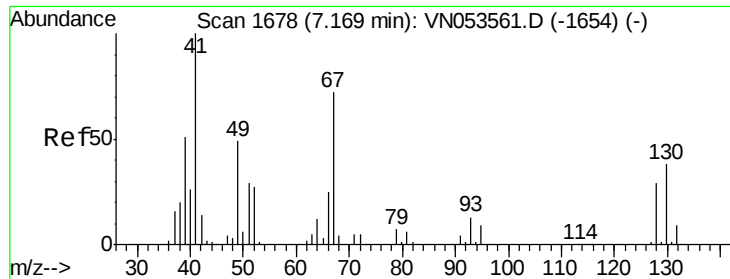
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#40
Benzene
Concen: 47.883 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





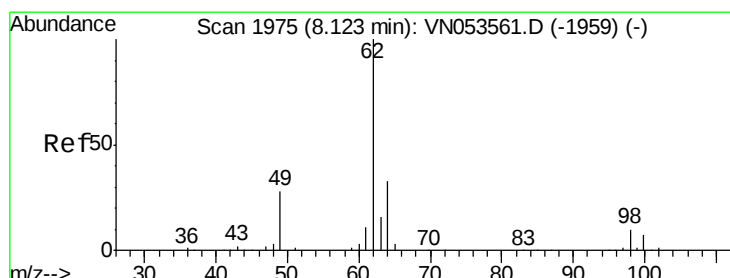
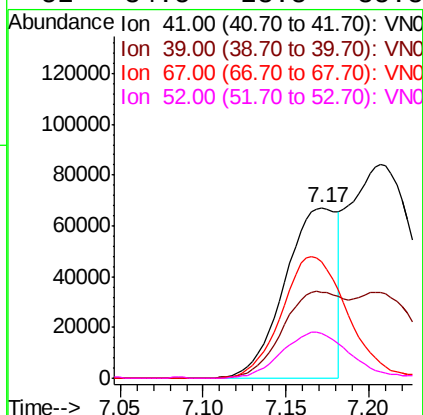
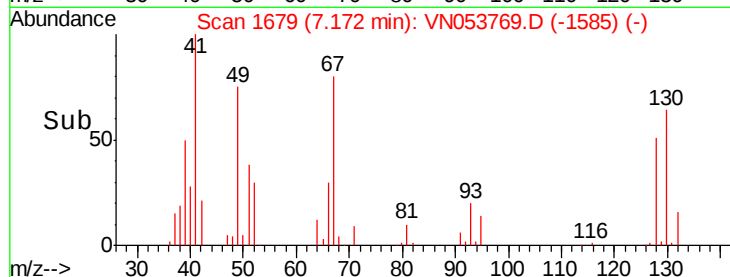
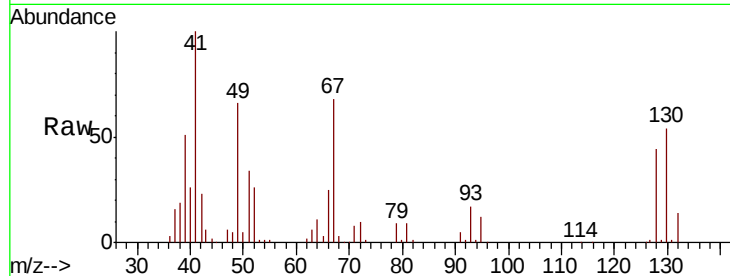
#41
Methacrylonitrile
Concen: 50.057 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	148063
Ion	Ratio	Lower	Upper
41	100		
39	60.3	46.8	70.2
67	90.4	63.0	94.6
52	34.5	23.8	35.8

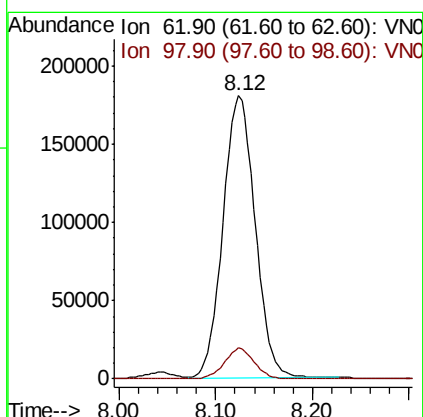
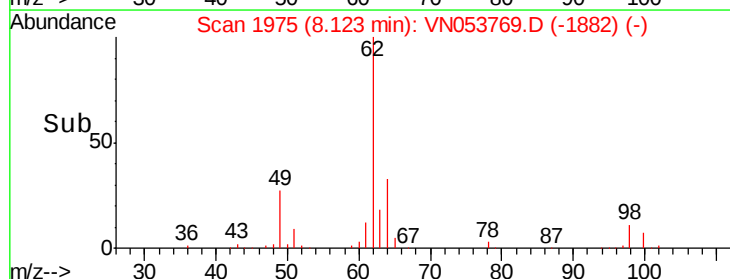
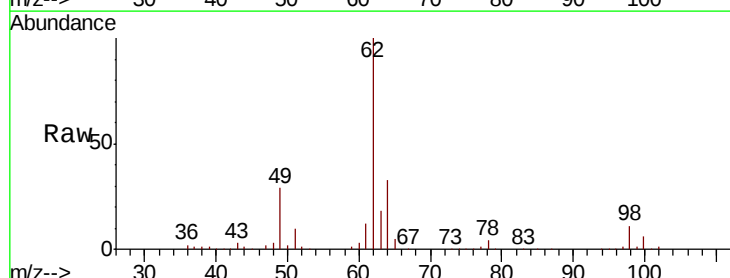
Manual Integrations
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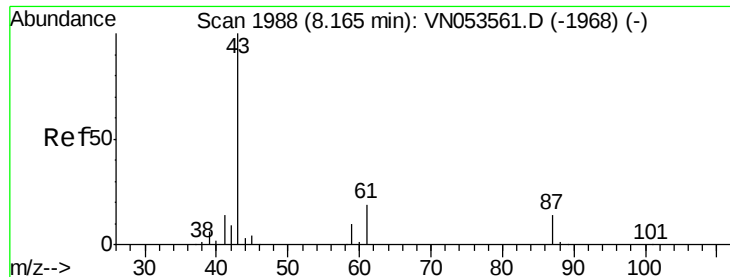
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#42
1,2-Dichloroethane
Concen: 48.219 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	62	Resp	418366
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6





#43

Isopropyl Acetate

Concen: 46.718 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

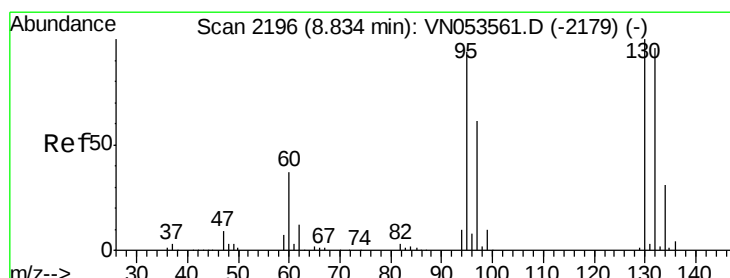
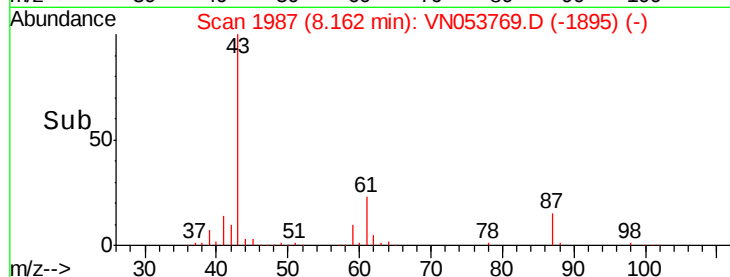
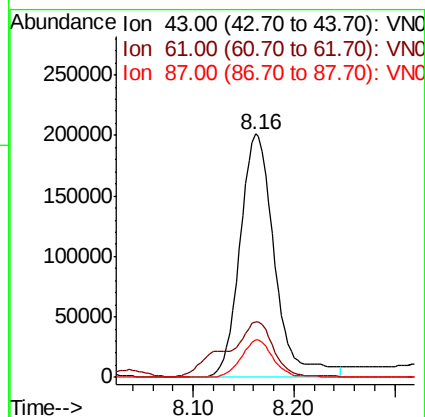
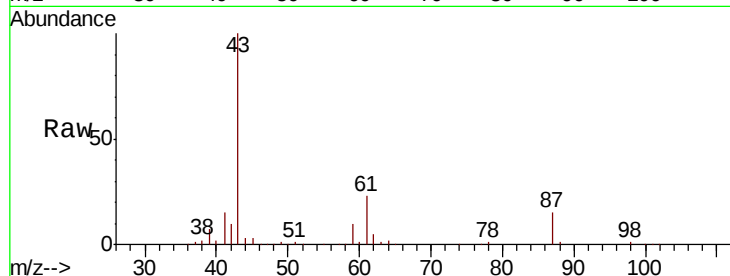
ClientSampleID :

VSTDCCC050

Tot Ion:	43	Resp:	477493
Ion	Ratio	Lower	Upper
43	100		
61	20.6	23.9	35.9#
87	13.9	11.0	16.6

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2/15/2019 10:19:44 AM



#44

Trichloroethene

Concen: 48.780 ug/l

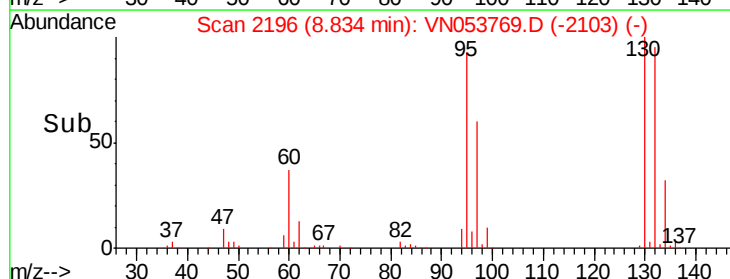
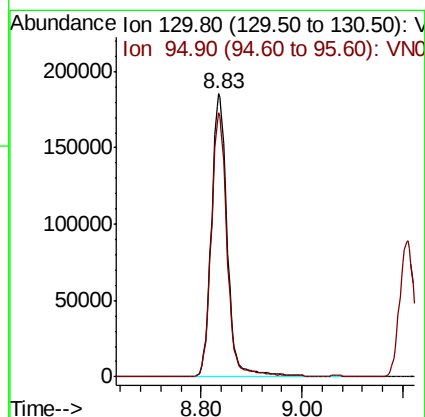
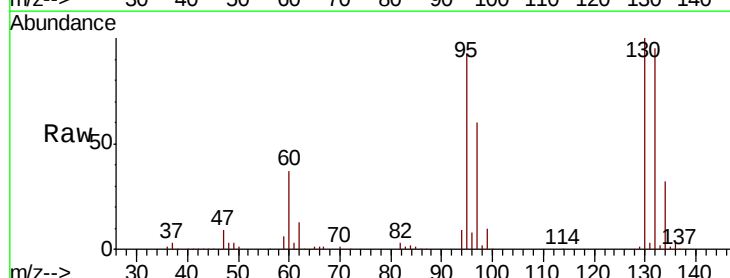
RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Tgt Ion:	130	Resp:	405808
Ion	Ratio	Lower	Upper
130	100		
95	93.3	0.0	191.4





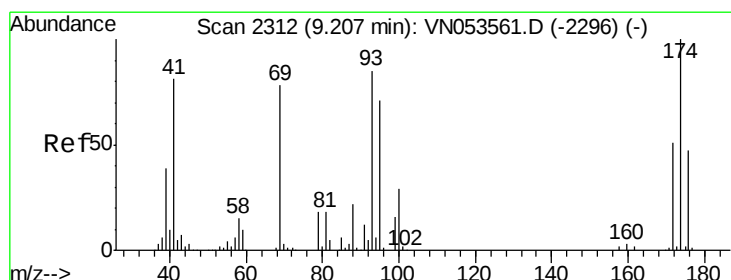
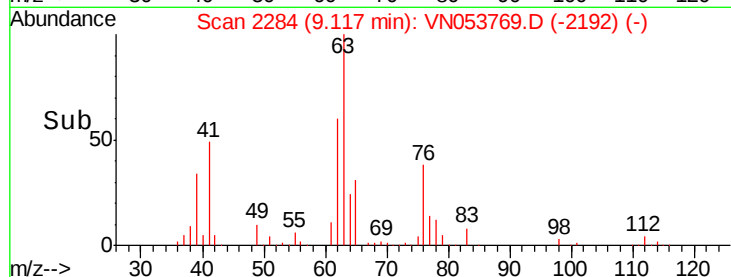
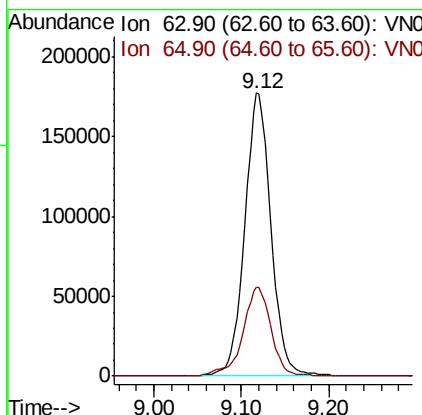
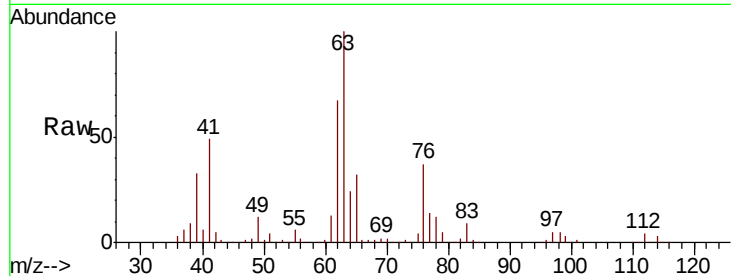
#45
 1,2-Dichloropropane
 Concen: 49.367 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 63 Resp: 368969
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.0 37.4

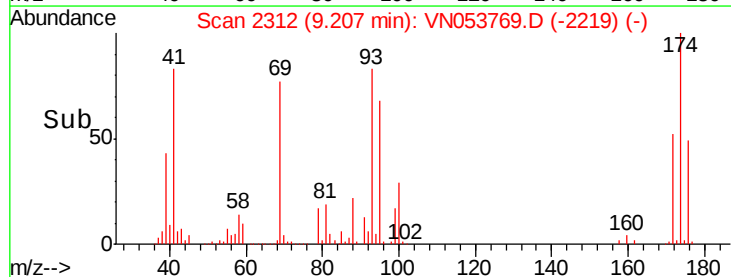
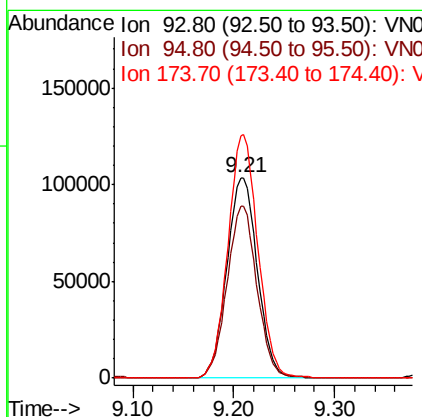
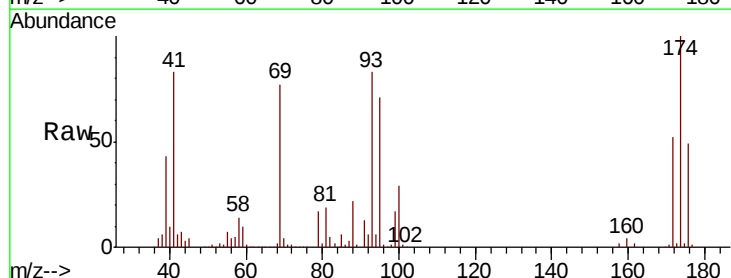
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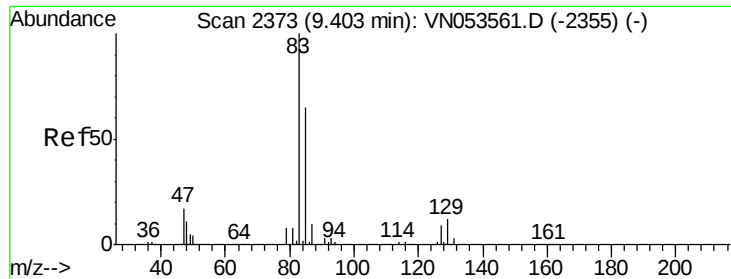
MMDadoda
 2/15/2019 10:19:44 AM



#46
 Dibromomethane
 Concen: 48.671 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Tgt Ion: 93 Resp: 219286
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.3 100.9
 174 119.2 91.0 136.4





#47

Bromodichloromethane

Concen: 50.498 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

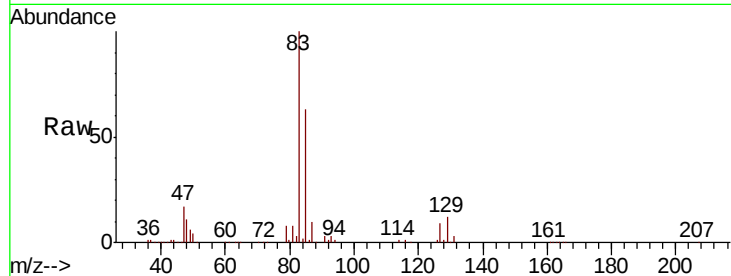
ClientSampleId :

VSTDCCC050

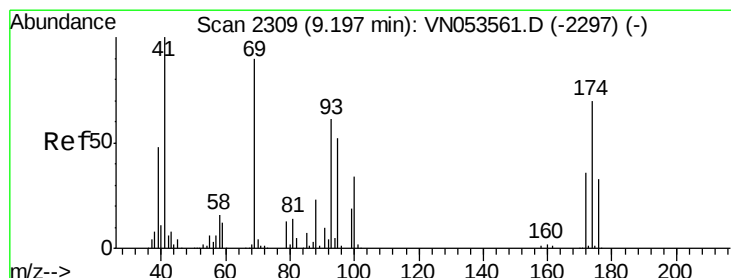
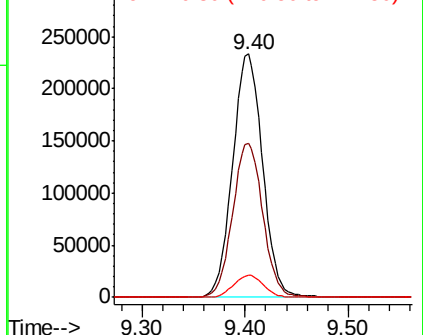
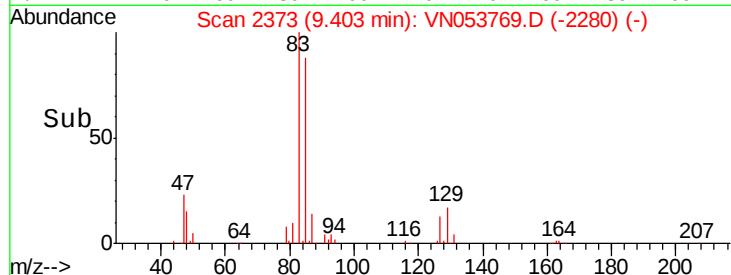
Tot Ion:	83	Resp:	473048
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.0	76.6
127	9.1	7.0	10.6

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Abundance Ion 82.90 (82.60 to 83.60): VN053769.D (-2280) (-)



#48

Methyl methacrylate

Concen: 47.140 ug/l

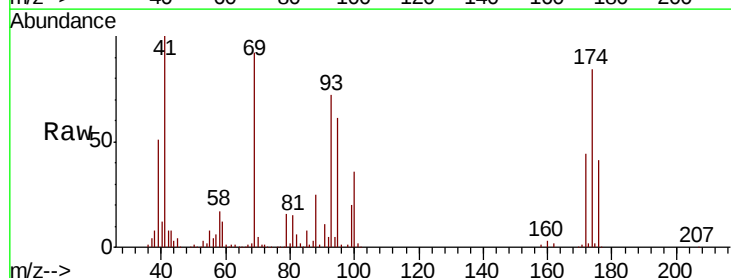
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

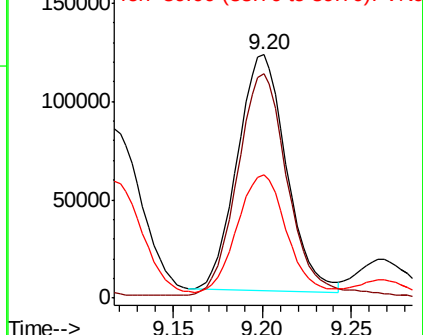
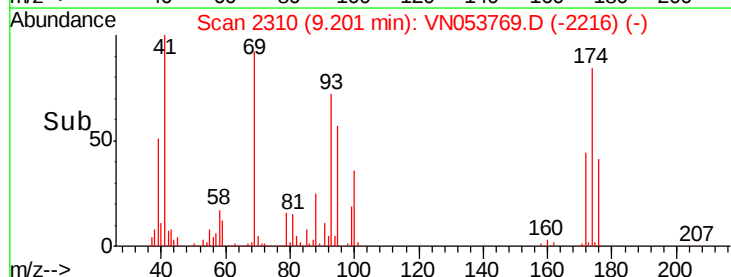
Lab File: VN053769.D

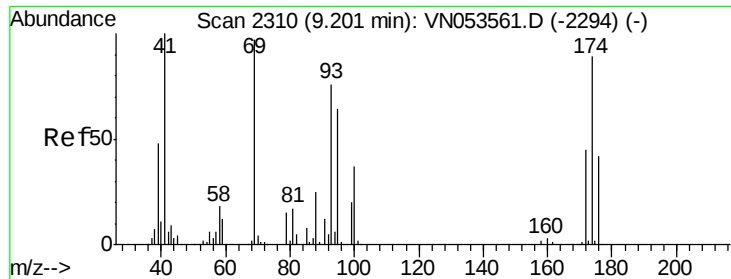
Acq: 14 Feb 2019 10:16

Tgt Ion:	41	Resp:	229986
Ion Ratio	Lower	Upper	
41	100		
69	100.8	73.8	110.6
39	54.6	40.0	60.0



Abundance Ion 41.00 (40.70 to 41.70): VN053769.D (-2216) (-)





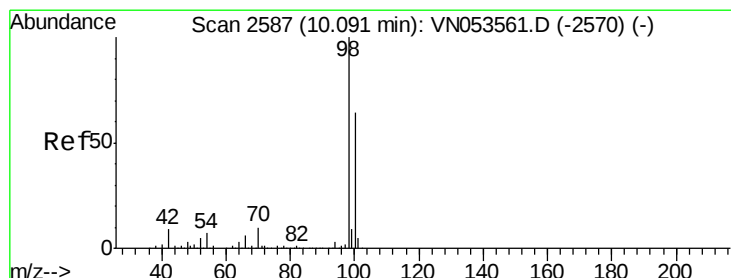
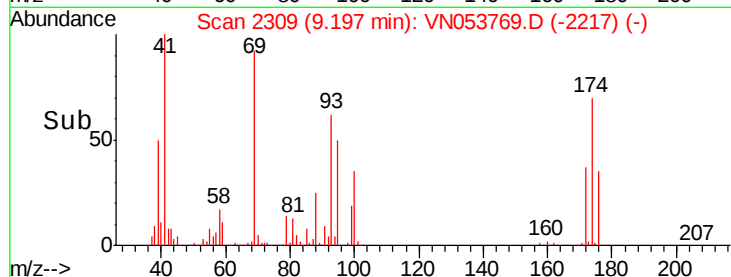
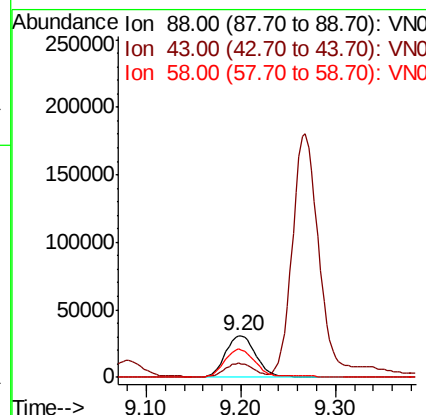
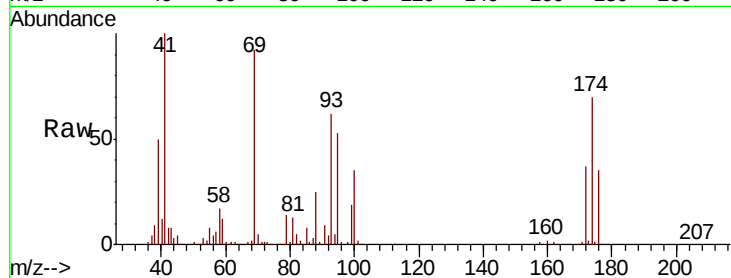
#49
1,4-Dioxane
Concen: 995.107 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	27.8	41.6
58	66.5	56.5	84.7

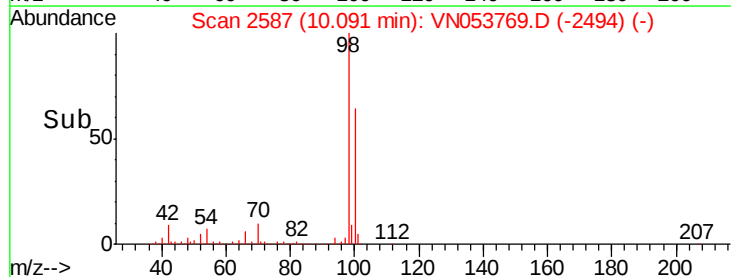
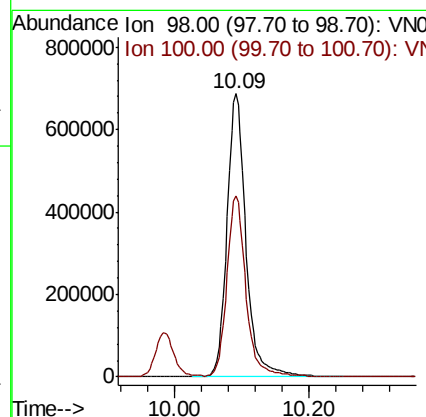
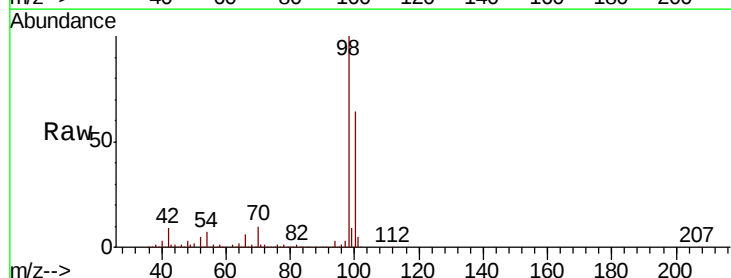
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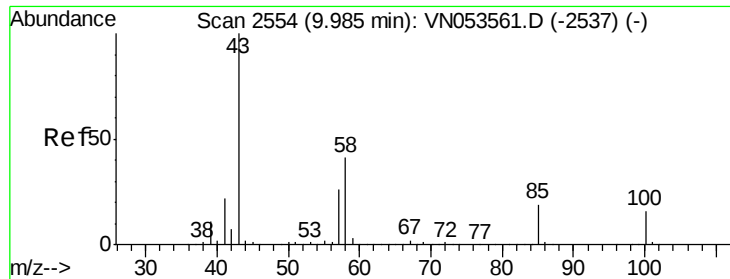
MMDadoda
2/15/2019 10:19:44 AM



#50
Toluene-d8
Concen: 54.298 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.4	77.0





#51

4-Methyl-2-Pentanone

Concen: 254.283 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1277124

Ion Ratio Lower Upper

43 100

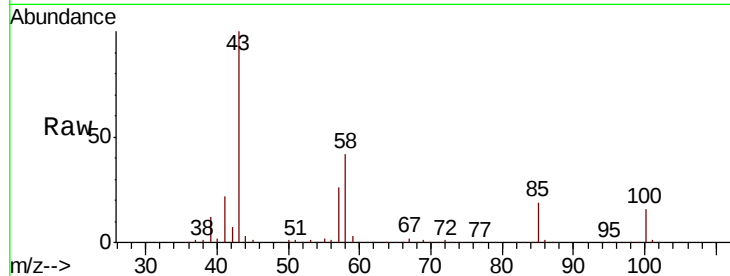
58 41.5 32.8 49.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

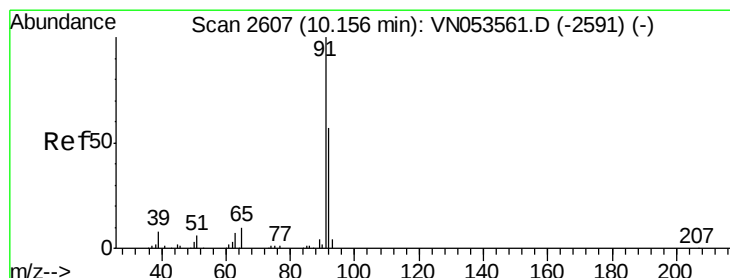
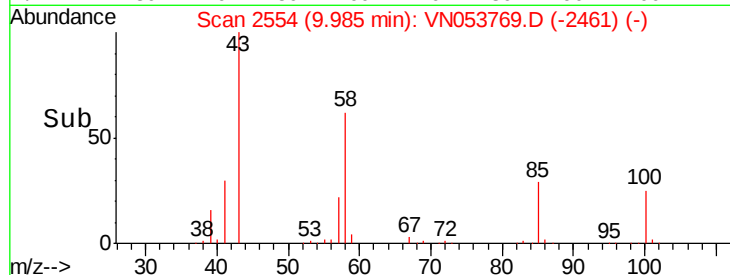
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.578 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN053769.D

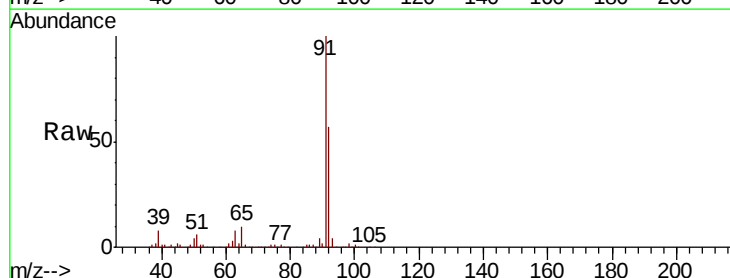
Acq: 14 Feb 2019 10:16

Tgt Ion: 92 Resp: 859811

Ion Ratio Lower Upper

92 100

91 174.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

800000

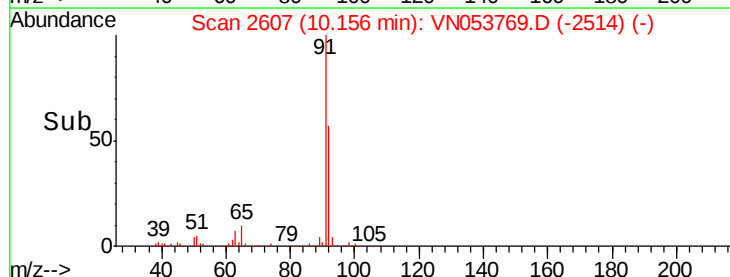
600000

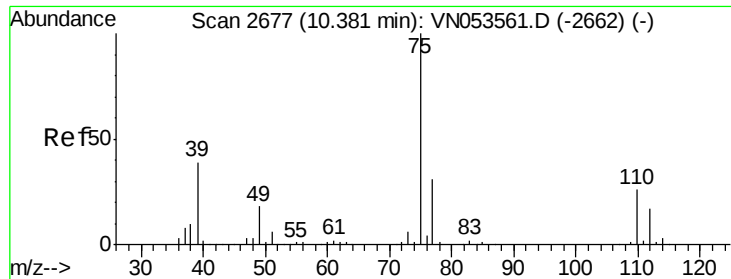
400000

200000

0

Time-->





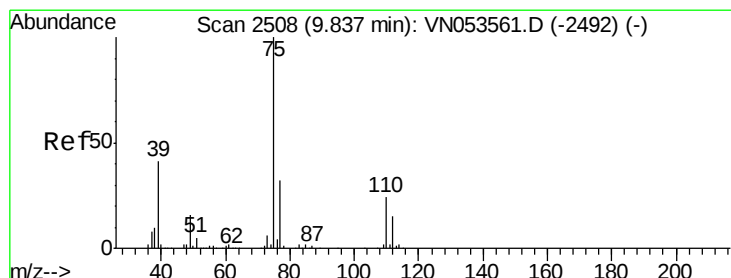
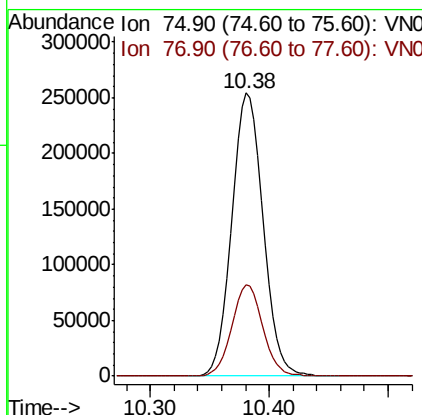
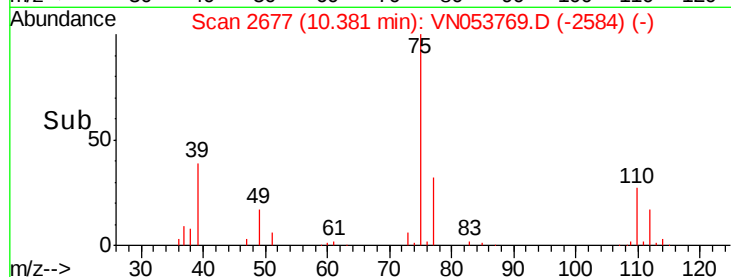
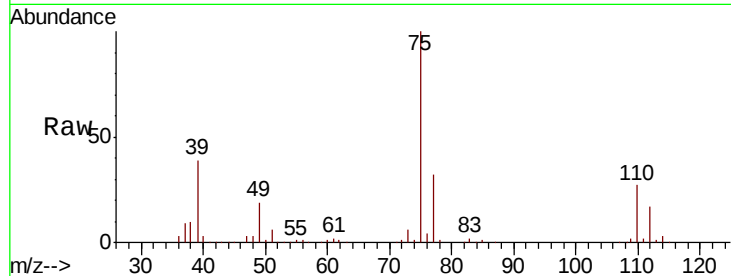
#53
t-1,3-Dichloropropene
Concen: 49.531 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 464616
Ion Ratio Lower Upper
75 100
77 32.1 25.5 38.3

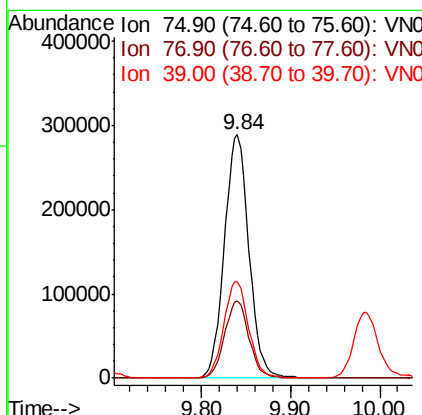
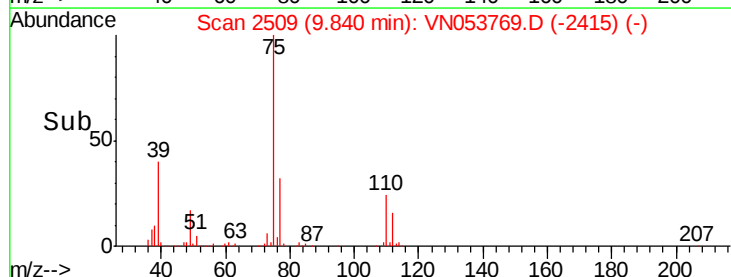
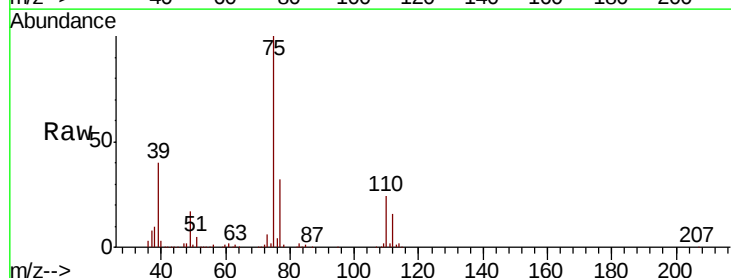
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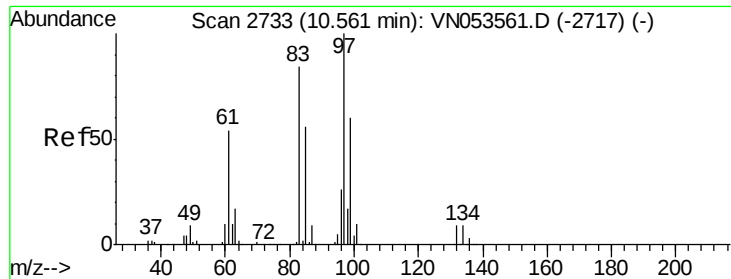
MMDadoda
2/15/2019 10:19:44 AM



#54
cis-1,3-Dichloropropene
Concen: 49.571 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion: 75 Resp: 551016
Ion Ratio Lower Upper
75 100
77 31.7 25.8 38.6
39 39.6 33.4 50.0





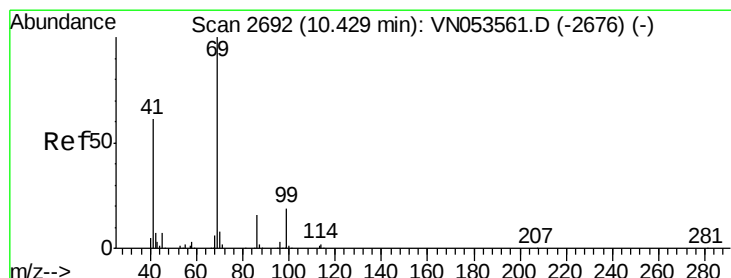
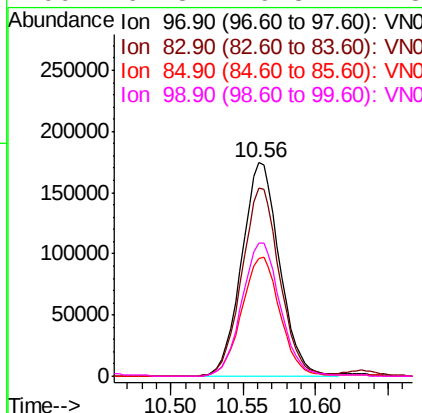
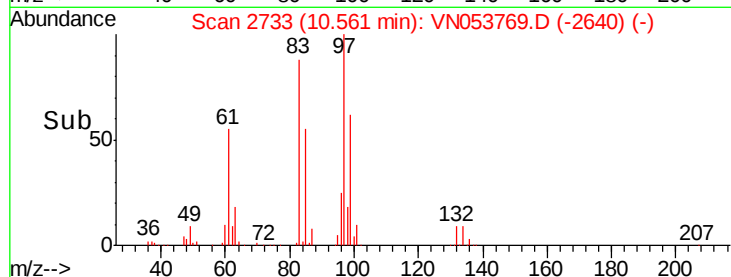
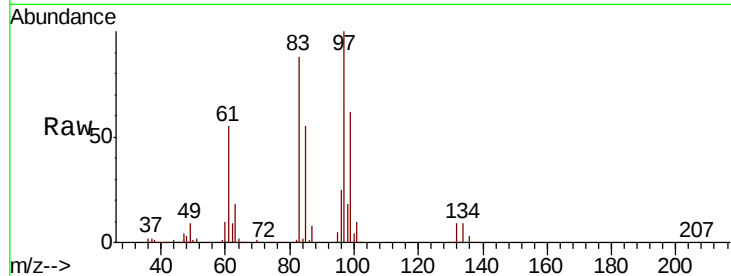
#55
 1,1,2-Trichloroethane
 Concen: 50.937 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	318322
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.1	105.1
85	55.4	45.4	68.0
99	62.3	49.8	74.8

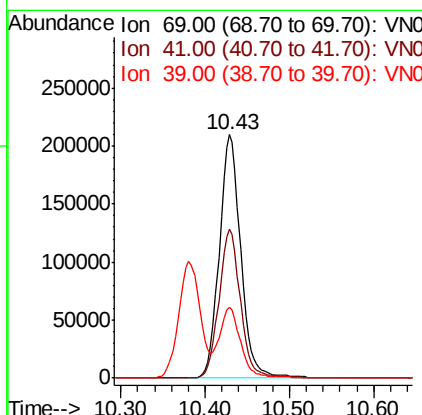
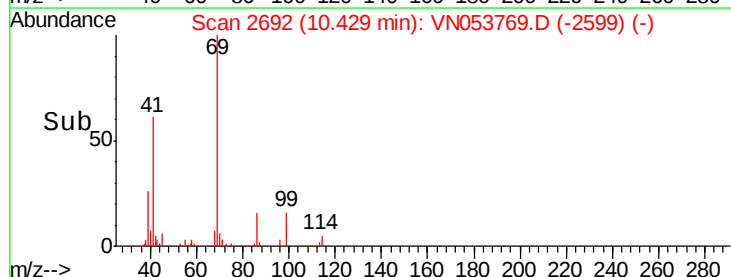
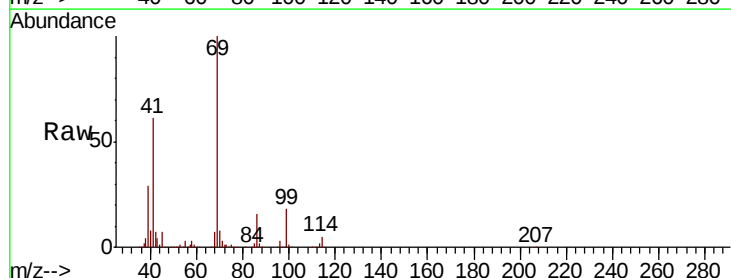
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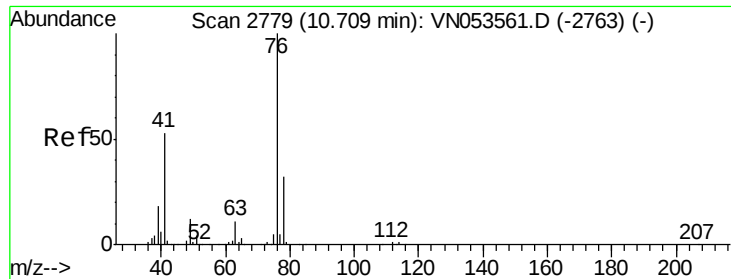
MMDadoda
 2/15/2019 10:19:44 AM



#56
 Ethyl methacrylate
 Concen: 50.024 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Tgt Ion:	69	Resp:	369823
Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.4	74.0
39	29.1	23.3	34.9





#57

1,3-Dichloropropane

Concen: 49.583 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 529571

Ion Ratio Lower Upper

76 100

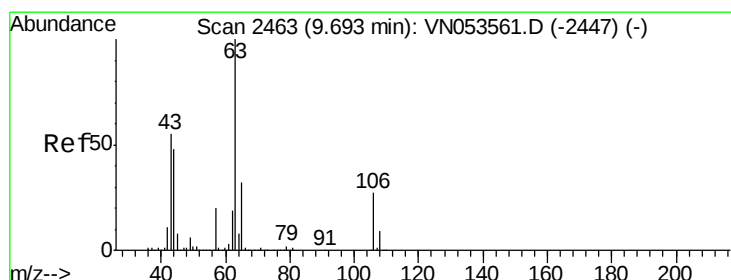
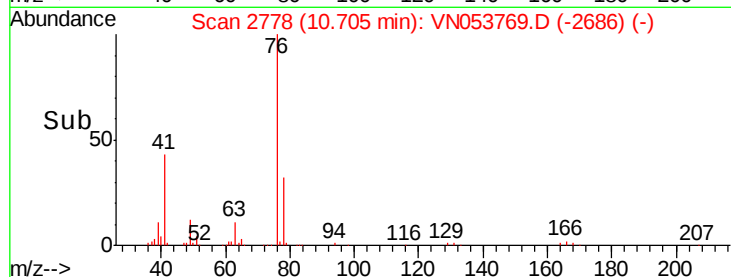
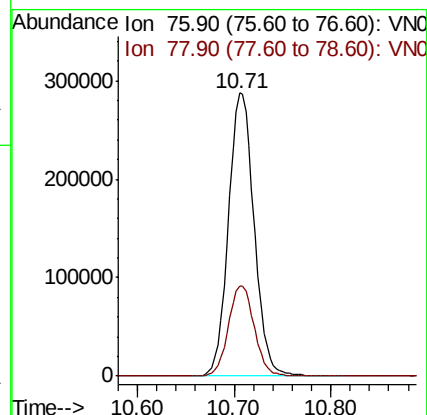
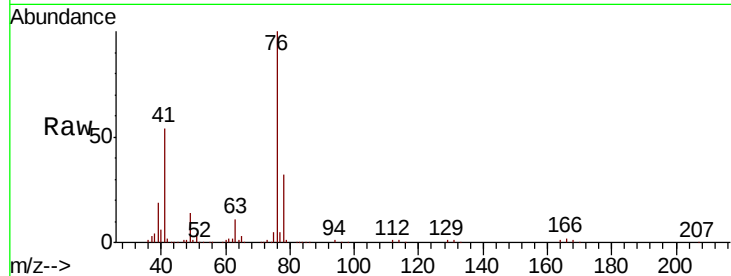
78 32.3 25.6 38.4

Manual Integrations

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2/15/2019 10:19:44 AM



#58

2-Chloroethyl Vinyl ether

Concen: 191.825 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053769.D

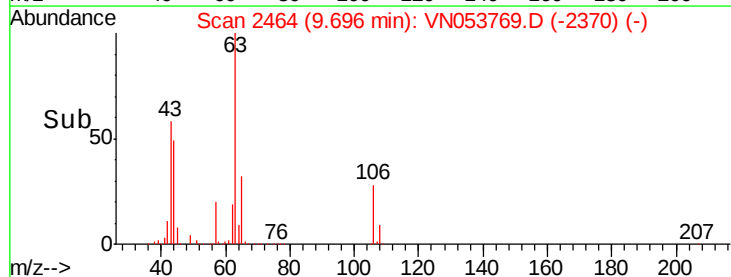
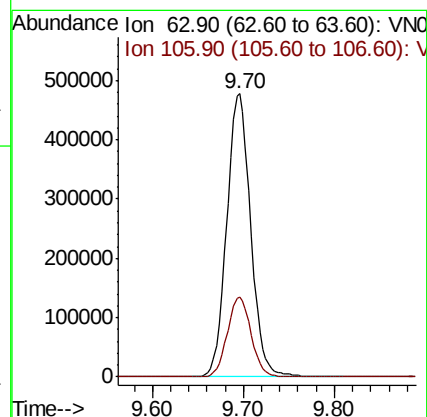
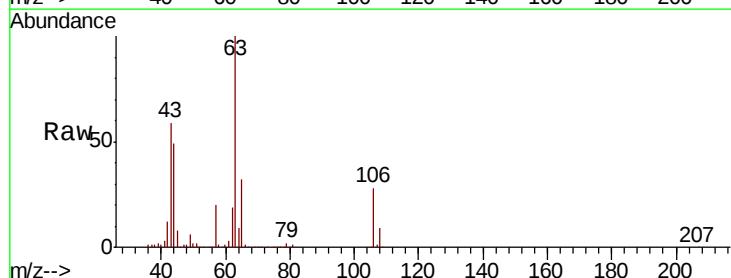
Acq: 14 Feb 2019 10:16

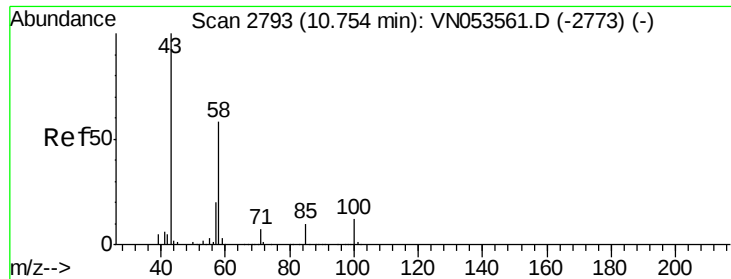
Tgt Ion: 63 Resp: 870671

Ion Ratio Lower Upper

63 100

106 28.1 21.5 32.3





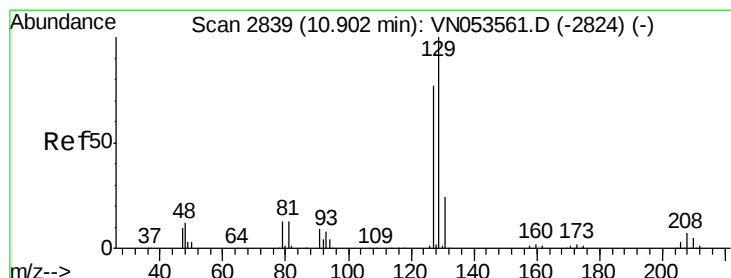
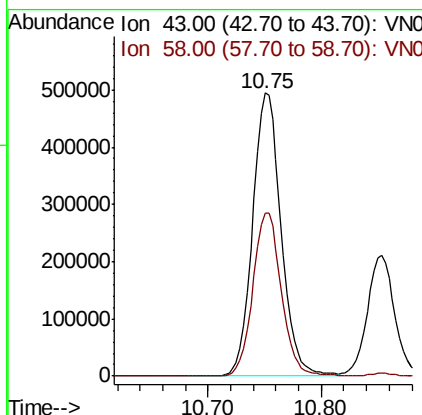
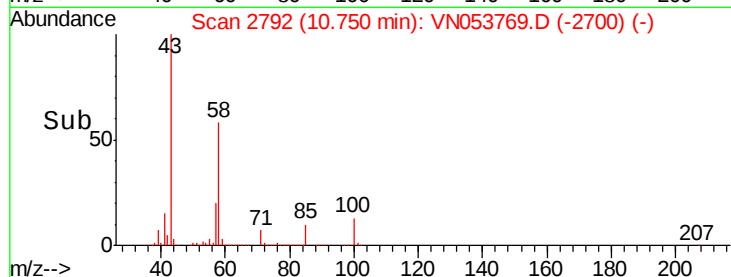
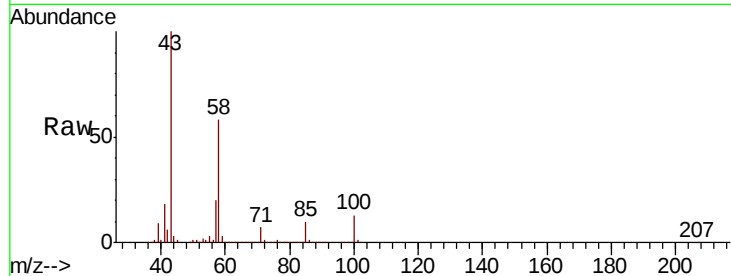
#59
2-Hexanone
Concen: 252.551 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 43 Resp: 861097
Ion Ratio Lower Upper
43 100
58 57.9 28.6 85.8

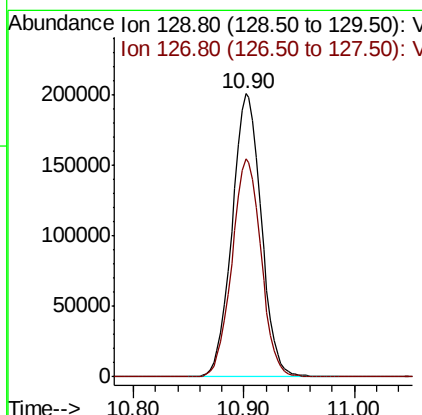
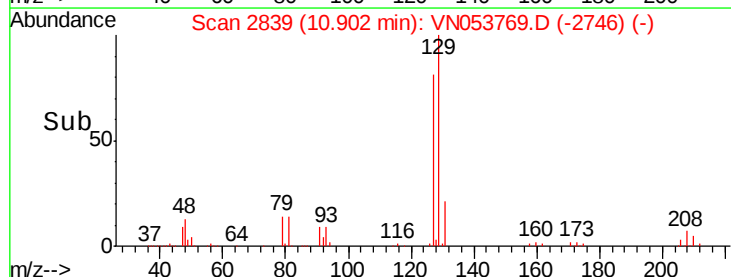
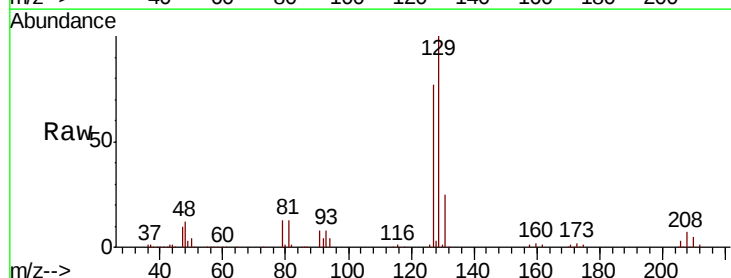
Manual Integrations
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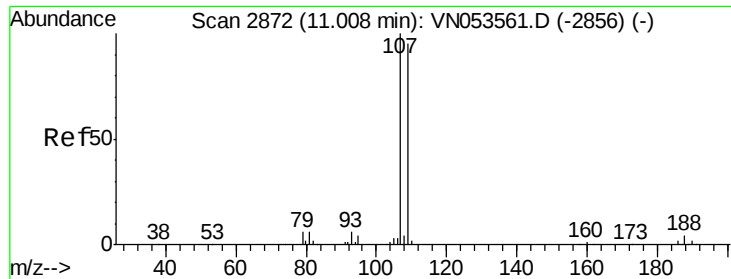
MMDadoda
2/15/2019 10:19:44 AM



#60
Dibromochloromethane
Concen: 52.235 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion: 129 Resp: 368109
Ion Ratio Lower Upper
129 100
127 76.9 38.6 115.8





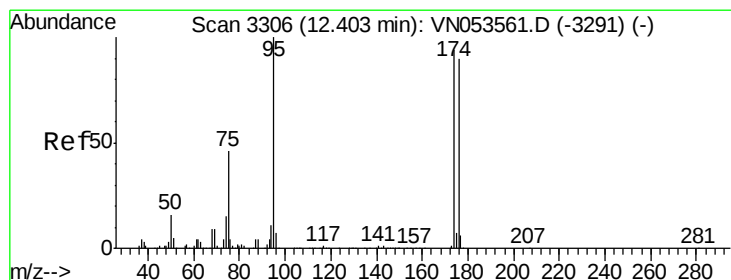
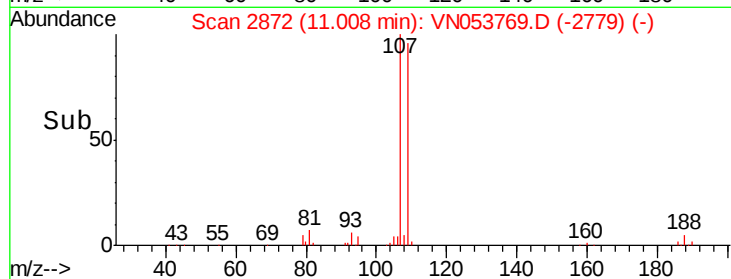
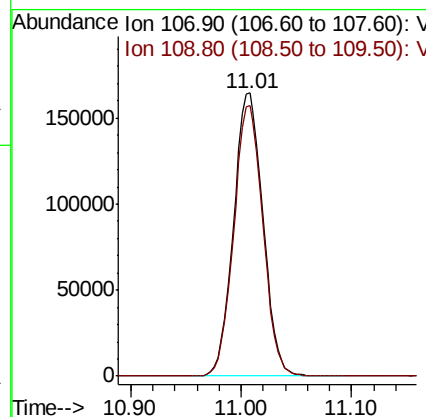
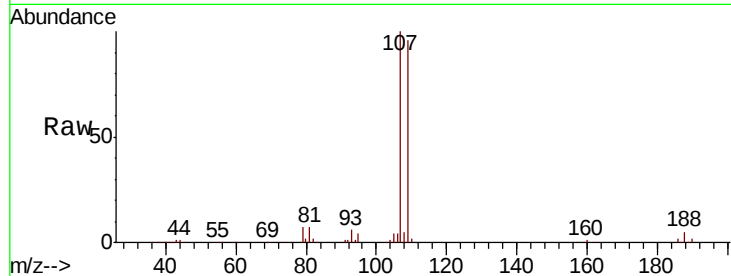
#61
 1,2-Dibromoethane
 Concen: 49.090 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.7	113.5

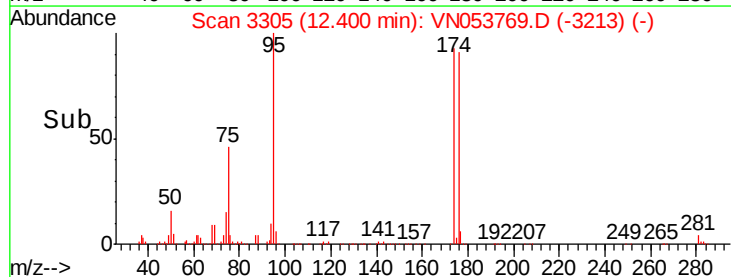
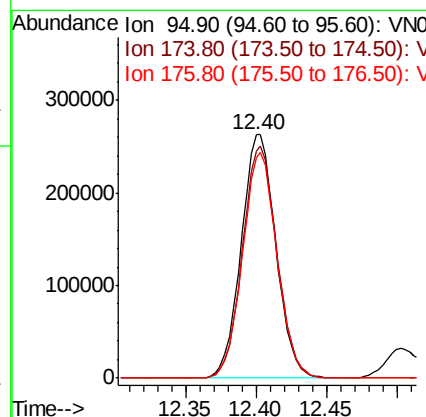
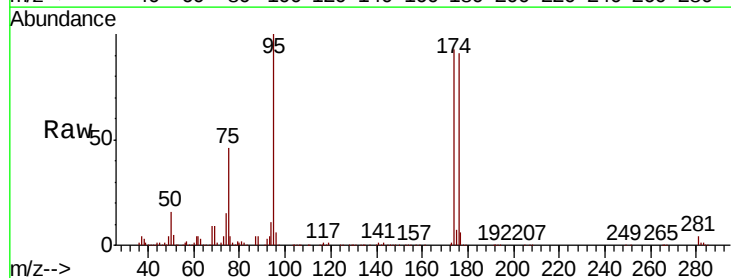
Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:19:44 AM



#62
 4-Bromofluorobenzene
 Concen: 54.366 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.1	0.0	183.2
176	92.2	0.0	177.4





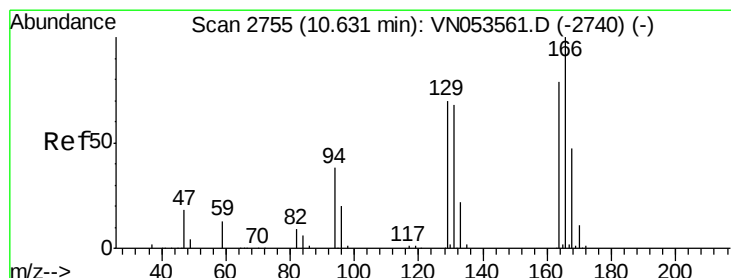
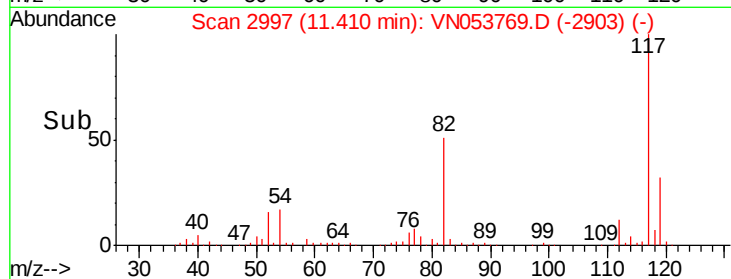
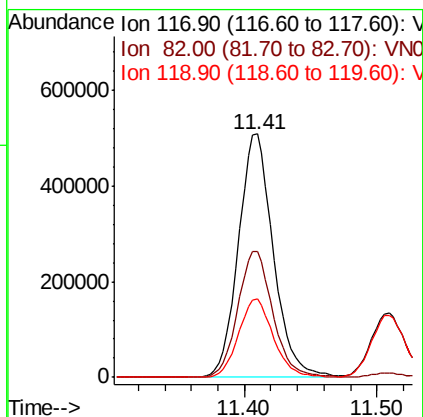
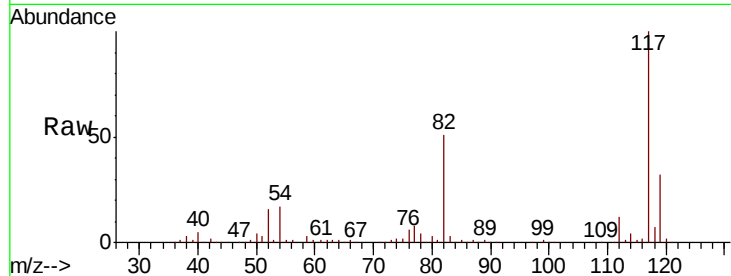
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.9	64.3
119	32.1	26.0	39.0

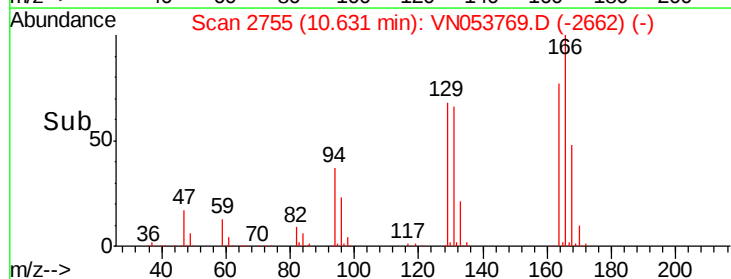
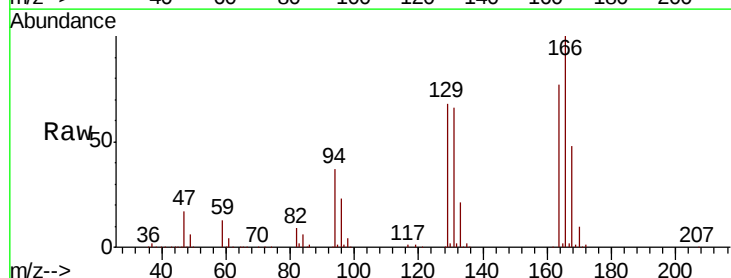
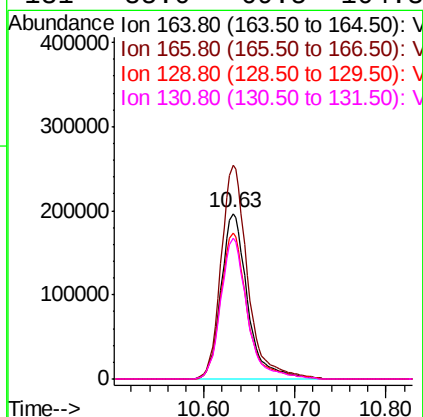
Manual Integrations
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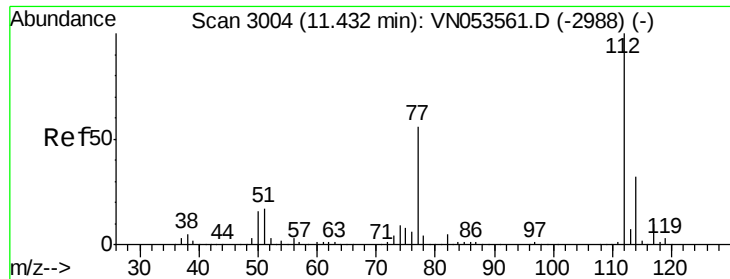
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#64
Tetrachloroethene
Concen: 49.887 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	102.2	153.4
129	88.0	72.6	109.0
131	85.0	69.5	104.3





#65

Chlorobenzene

Concen: 48.077 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 950774

Ion Ratio Lower Upper

112 100

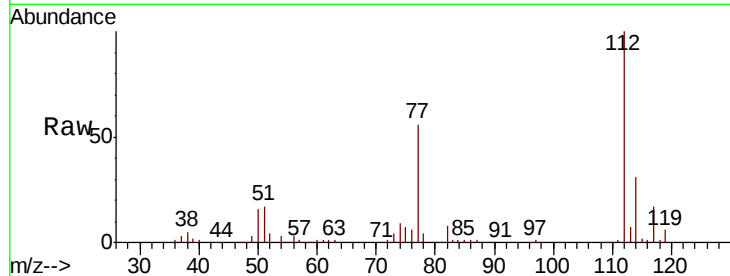
114 31.4 25.3 37.9

Manual Integrations

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

600000

500000

400000

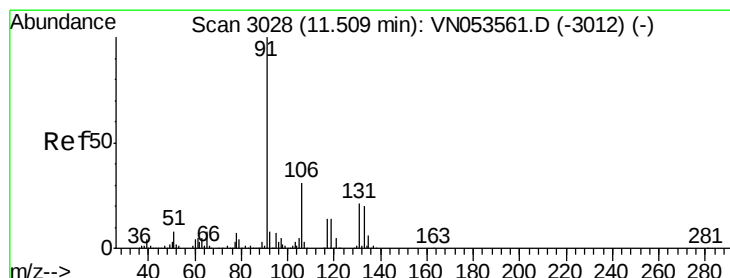
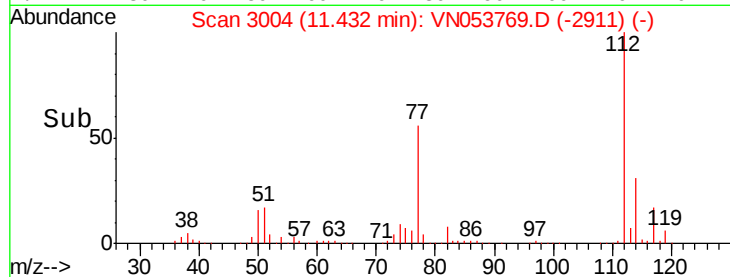
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 51.708 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

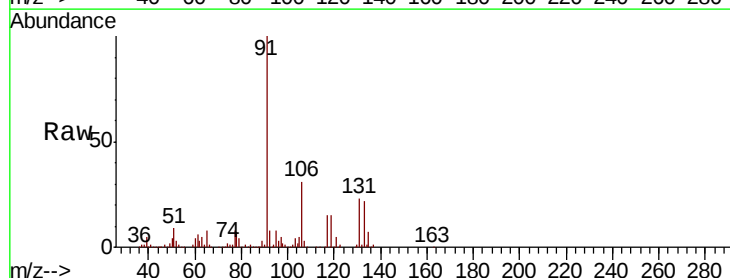
Tgt Ion:131 Resp: 357125

Ion Ratio Lower Upper

131 100

133 95.8 48.0 144.0

119 65.5 33.5 100.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

250000

200000

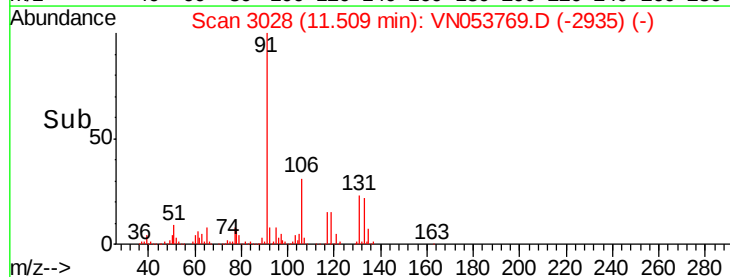
150000

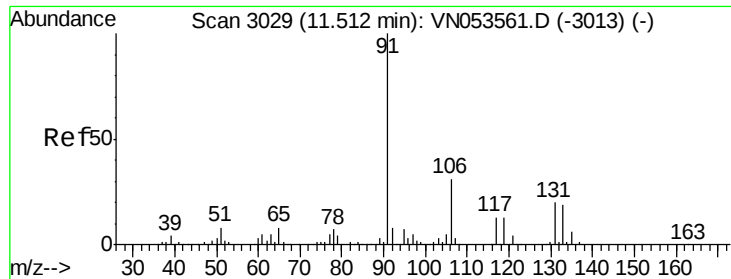
100000

50000

0

Time-->





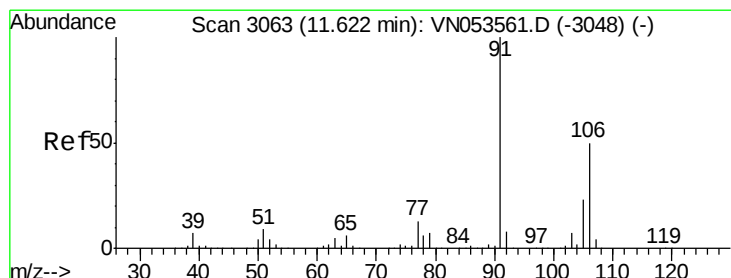
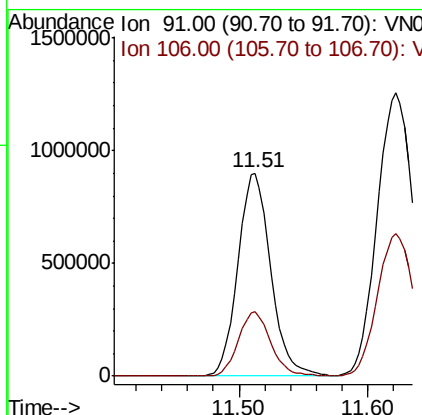
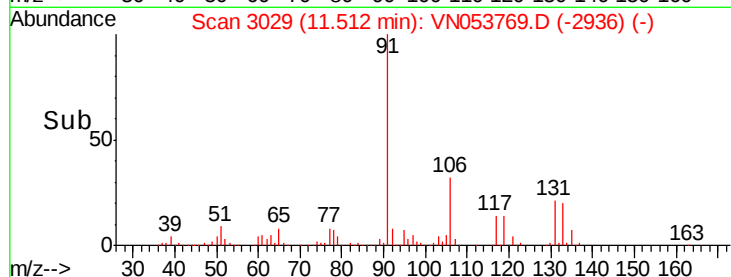
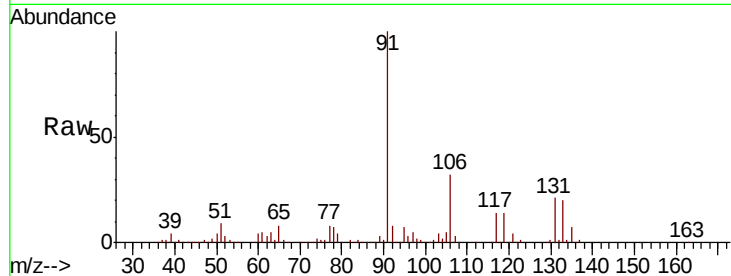
#67
Ethyl Benzene
Concen: 49.180 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1597641
Ion Ratio Lower Upper
91 100
106 31.6 25.0 37.6

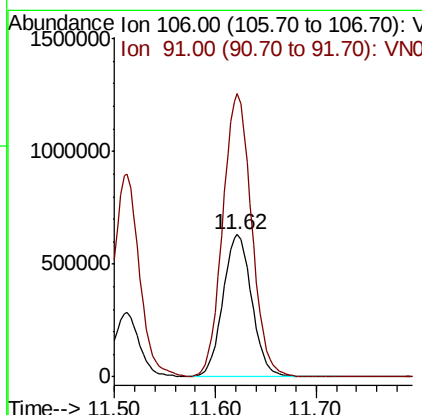
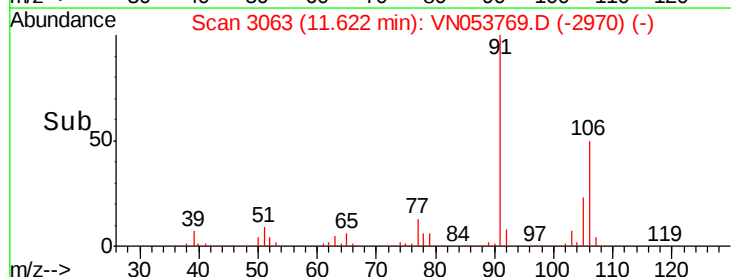
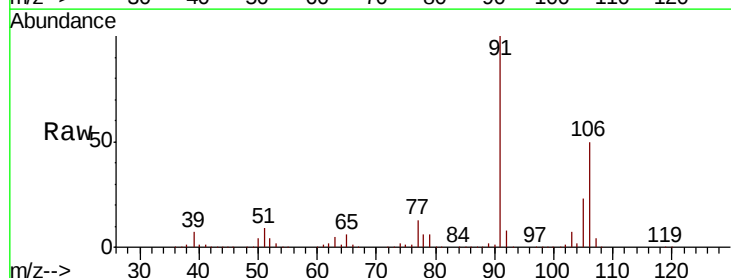
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#68
m/p-Xylenes
Concen: 102.026 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion: 106 Resp: 1264982
Ion Ratio Lower Upper
106 100
91 198.6 161.4 242.2





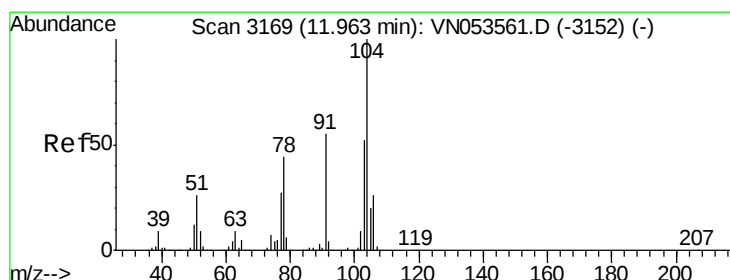
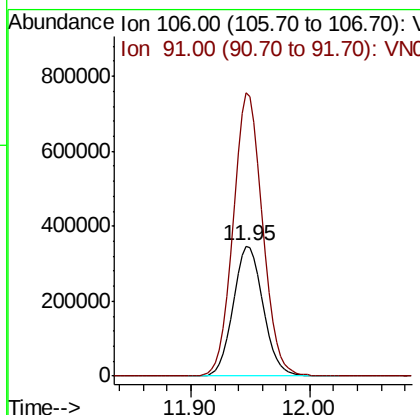
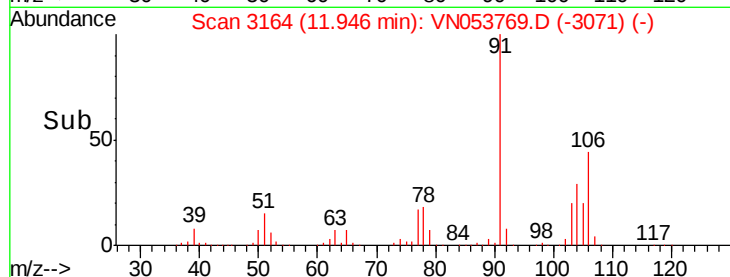
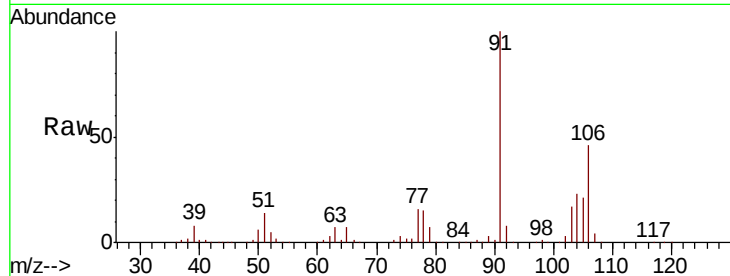
#69
o-Xylene
Concen: 50.515 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 605081
Ion Ratio Lower Upper
106 100
91 213.3 106.9 320.8

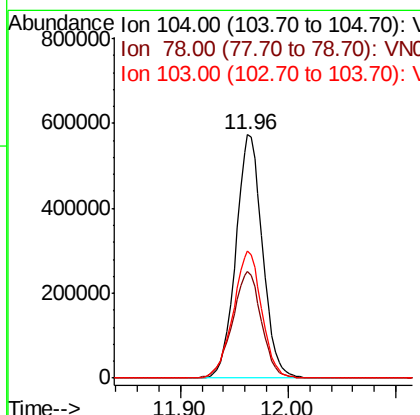
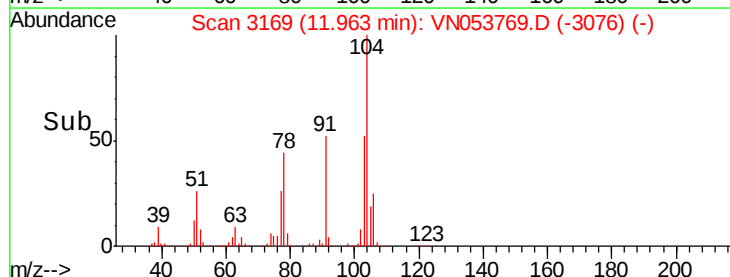
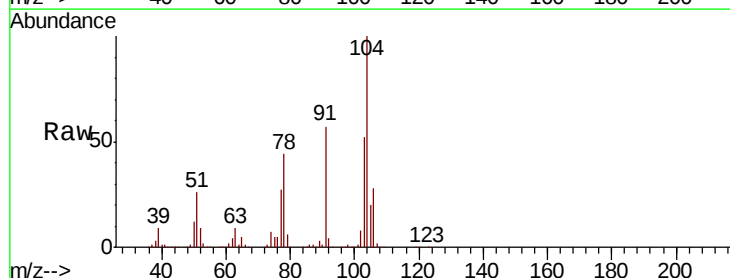
Manual Integrations
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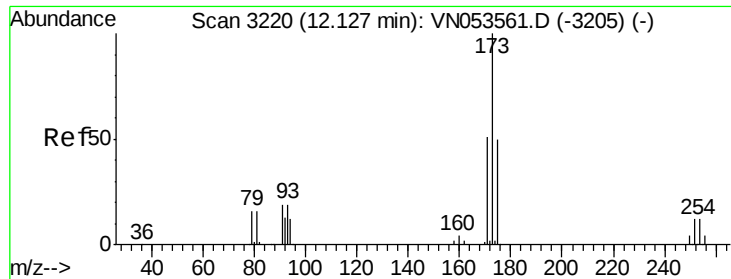
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#70
Styrene
Concen: 50.856 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion:104 Resp: 987341
Ion Ratio Lower Upper
104 100
78 47.8 38.2 57.2
103 55.7 44.4 66.6





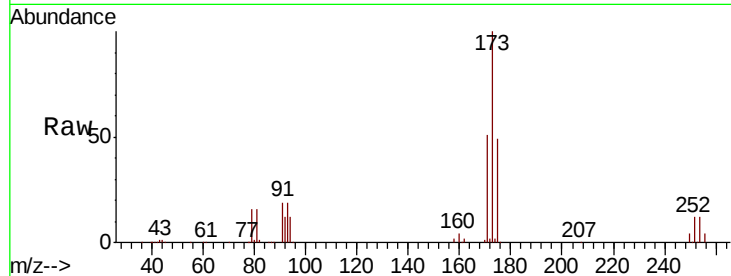
#71
Bromoform
Concen: 54.684 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.6	74.0
254	0.0	0.2	0.2

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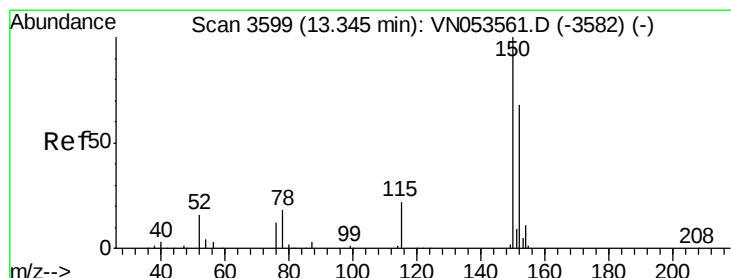
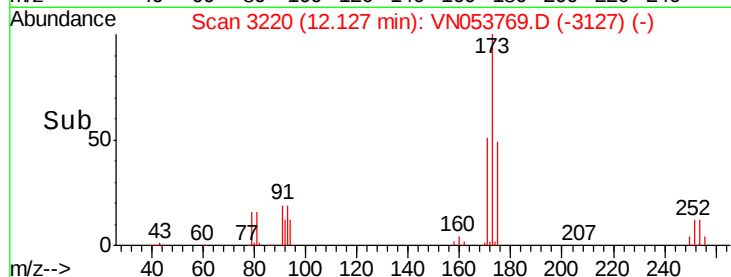
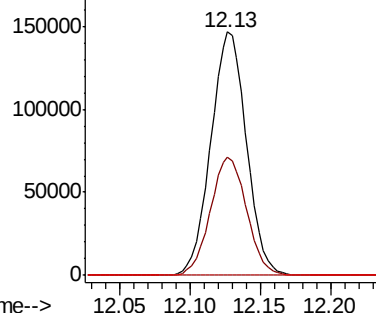


Abundance

Ion 172.70 (172.40 to 173.40): V

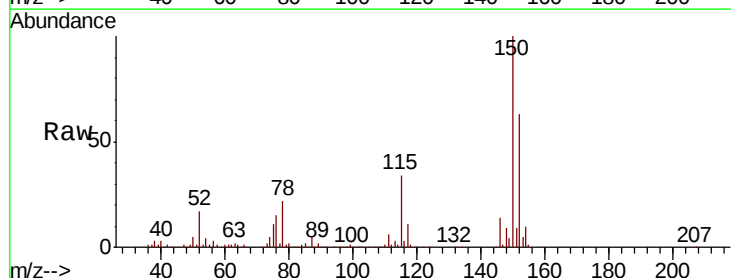
Ion 174.70 (174.40 to 175.40): V

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: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.8	83.4
150	172.1	0.0	349.0

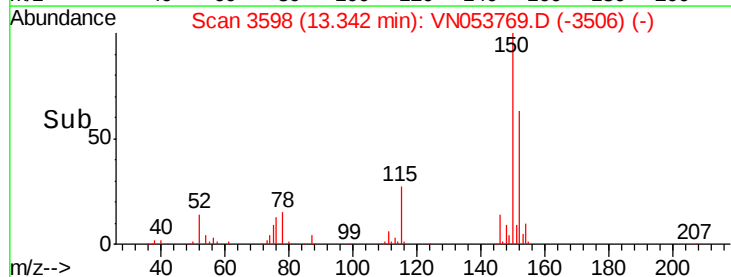
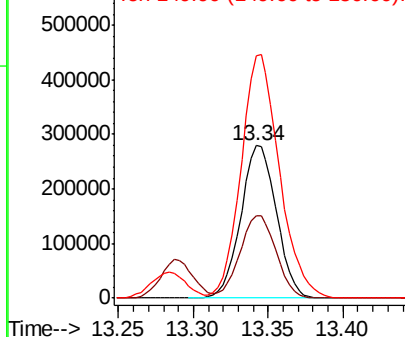


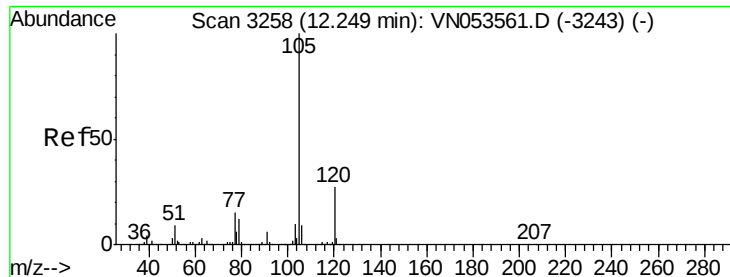
Abundance

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: 49.183 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1595784

Ion Ratio Lower Upper

105 100

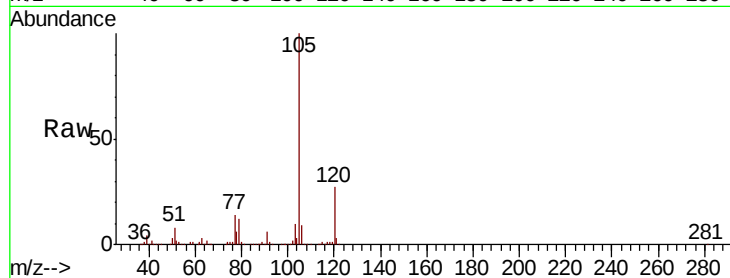
120 27.2 13.6 40.7

Manual Integrations

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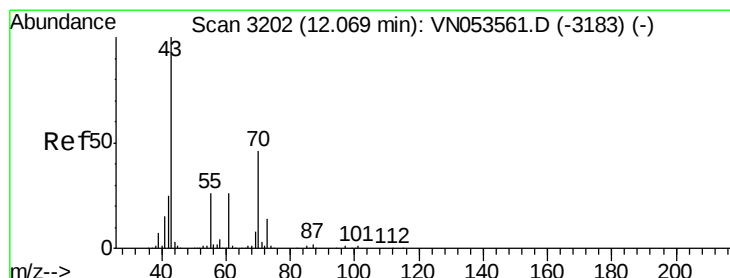
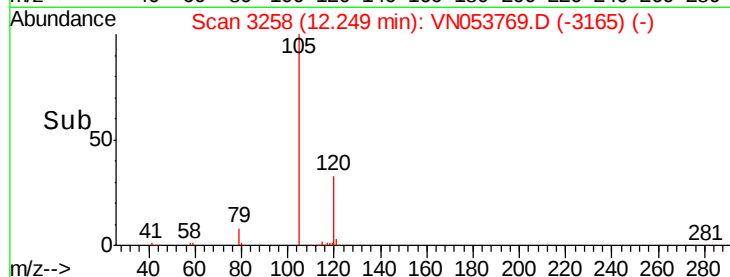
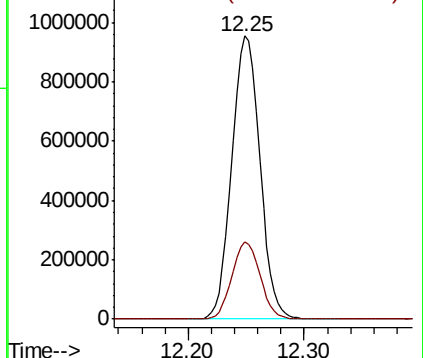
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.050 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Tgt Ion: 43 Resp: 374893

Ion Ratio Lower Upper

43 100

70 46.3 35.4 53.2

55 27.0 20.9 31.3

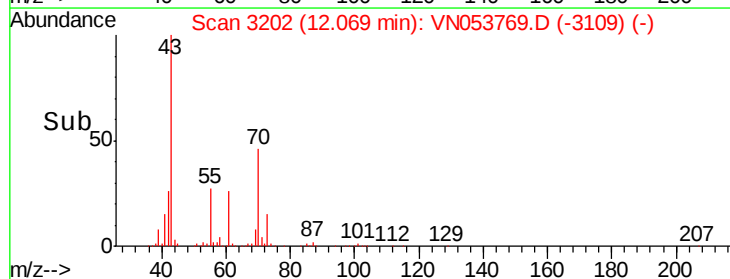
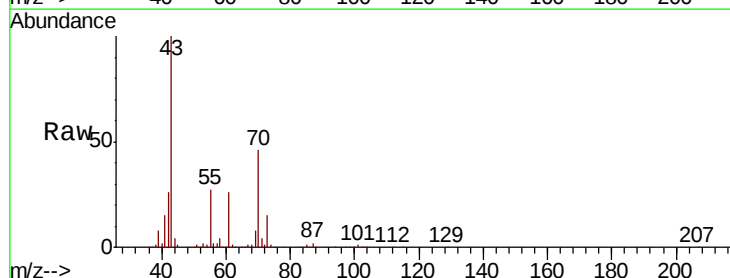
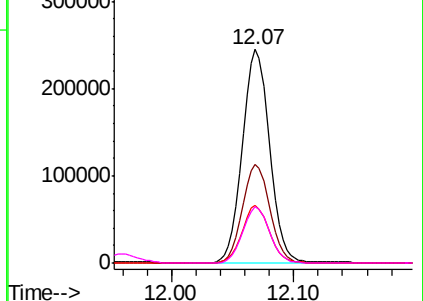
61 25.9 20.5 30.7

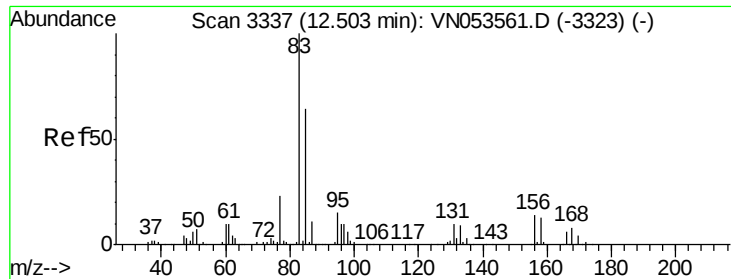
Abundance Ion 43.00 (42.70 to 43.70): V

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: 47.481 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

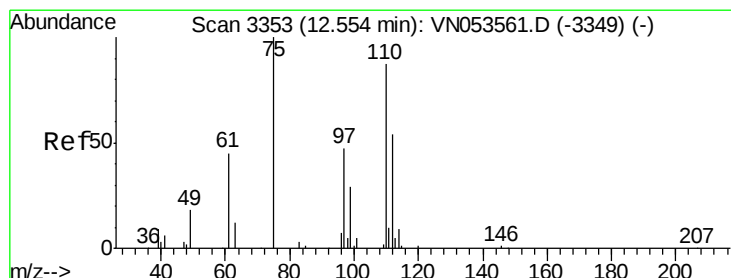
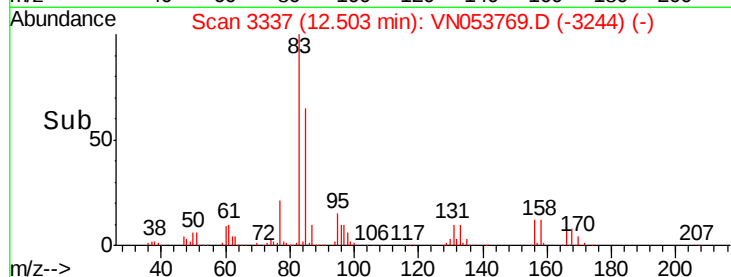
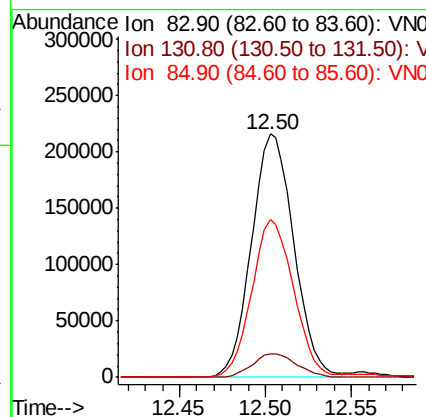
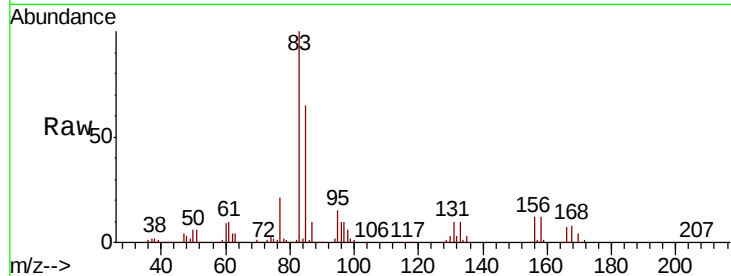
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	368691
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.8
85	64.1	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.054 ug/l m

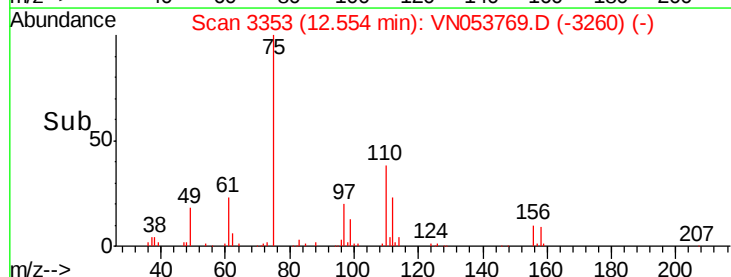
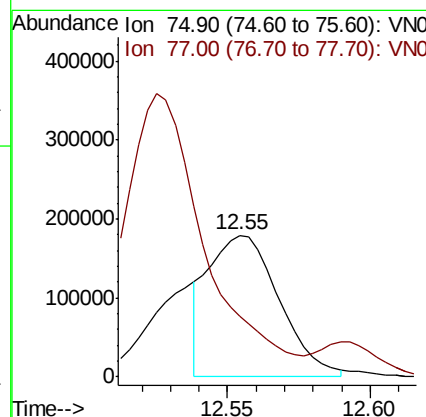
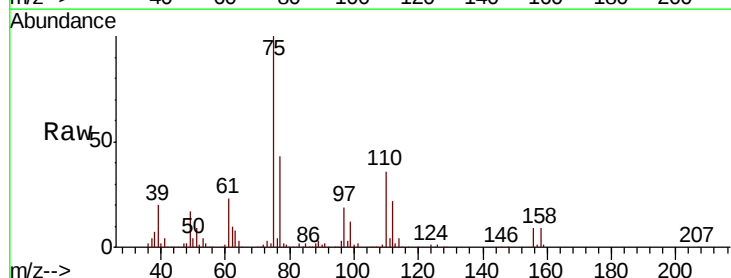
RT: 12.55 min Scan# 3353

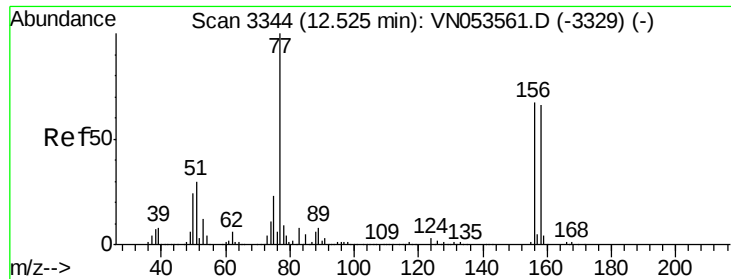
Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Tgt Ion:	75	Resp:	308588
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





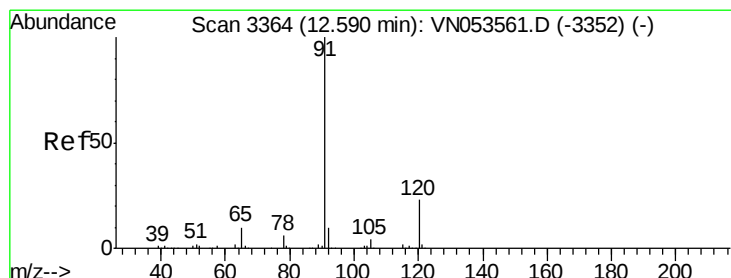
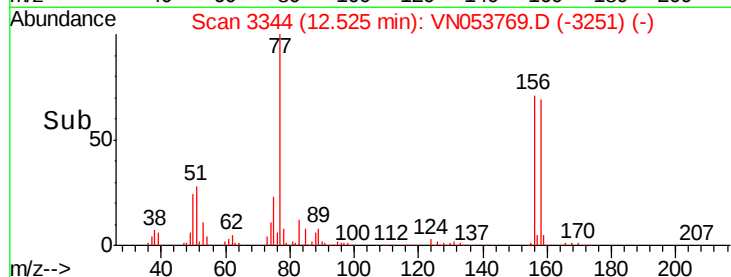
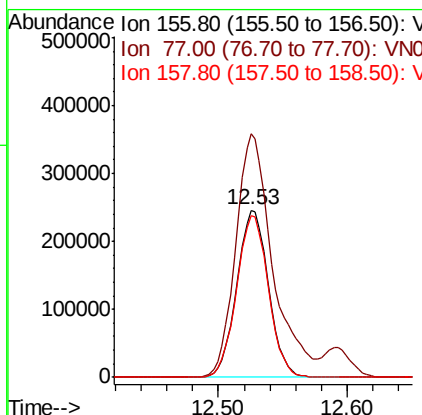
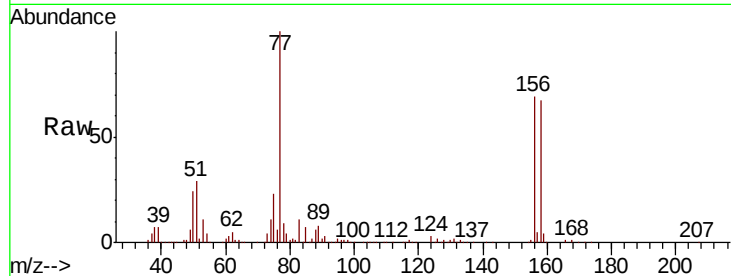
#77
Bromobenzene
Concen: 48.087 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.2	87.9	263.8
158	97.4	48.8	146.4

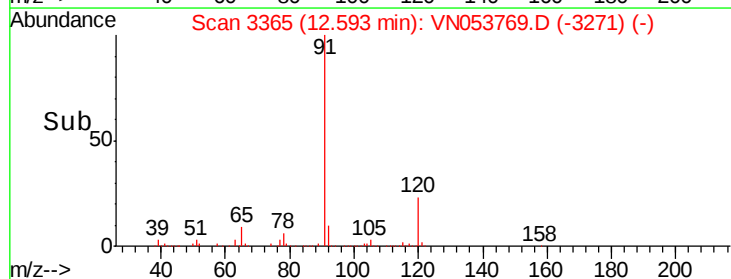
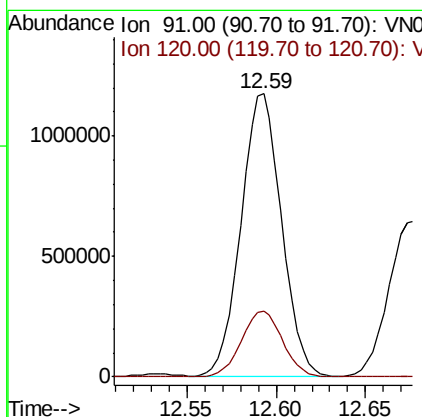
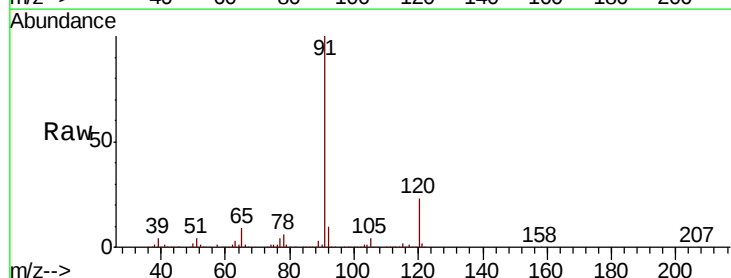
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#78
n-propylbenzene
Concen: 49.613 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 49.113 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1092876

Ion Ratio Lower Upper

91 100

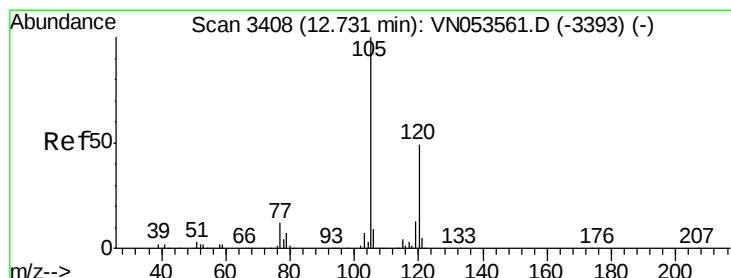
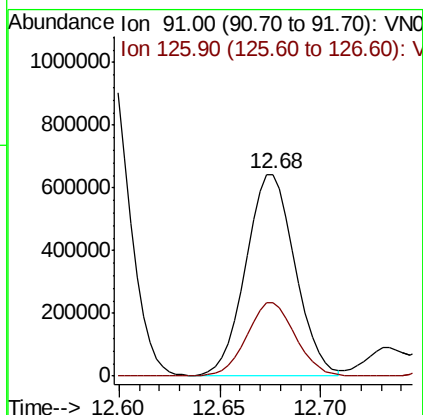
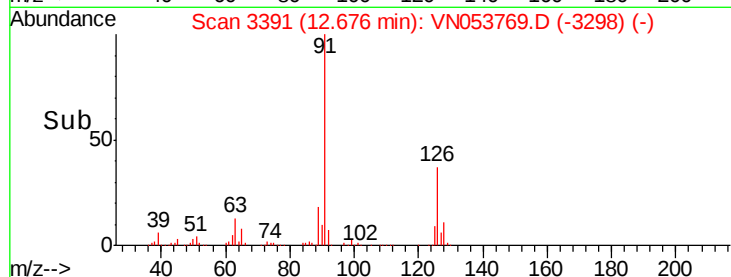
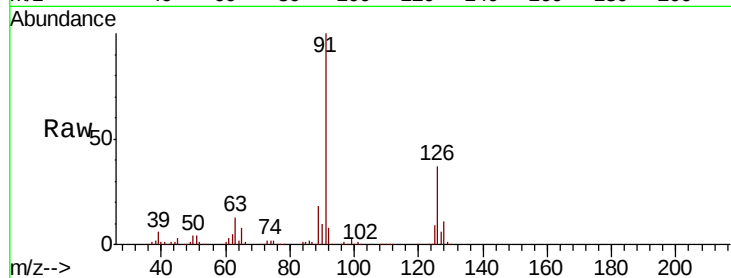
126 36.3 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 52.051 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053769.D

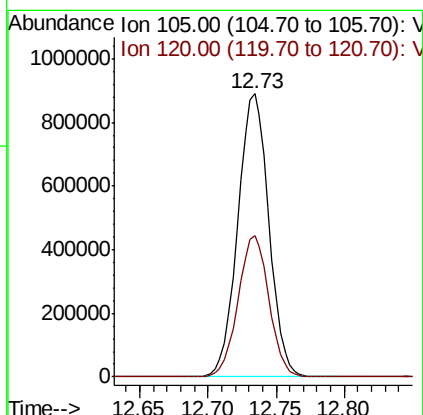
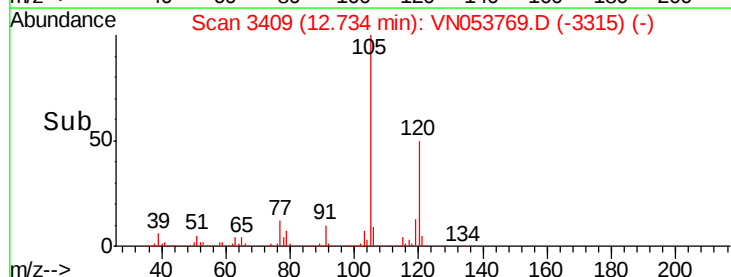
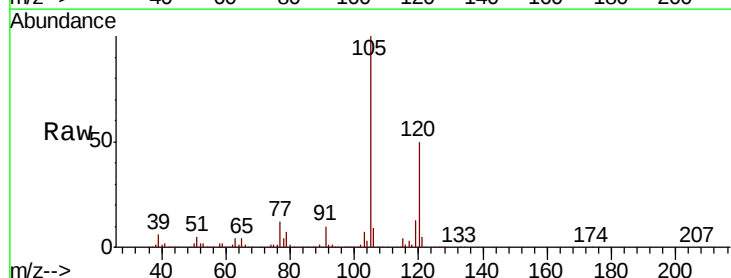
Acq: 14 Feb 2019 10:16

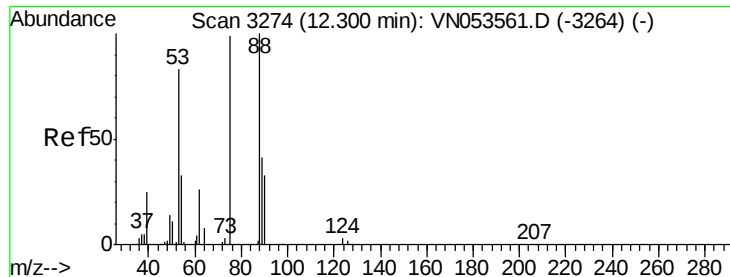
Tgt Ion: 105 Resp: 1400460

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.6





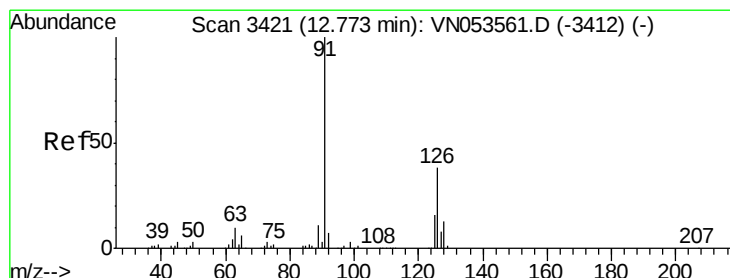
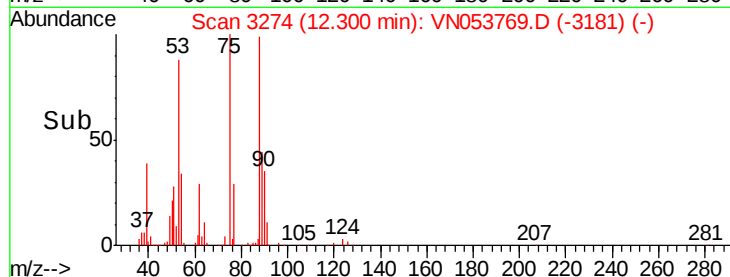
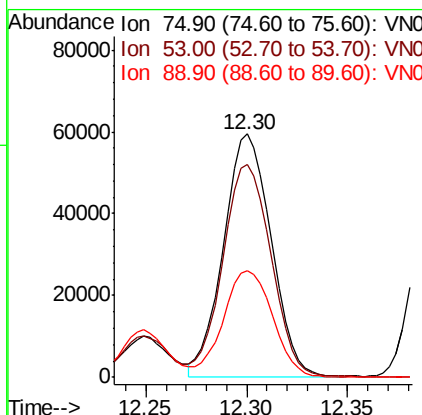
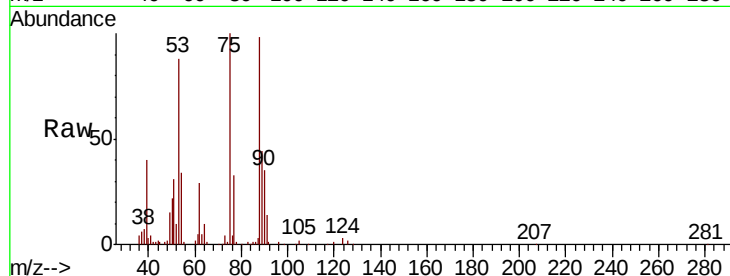
#81
trans-1,4-Dichloro-2-butene
Concen: 46.867 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.7	69.8	104.6
89	45.5	35.6	53.4

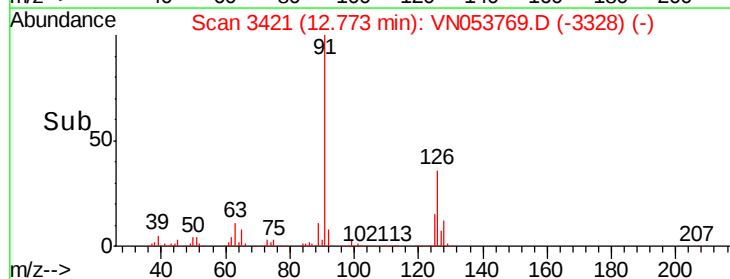
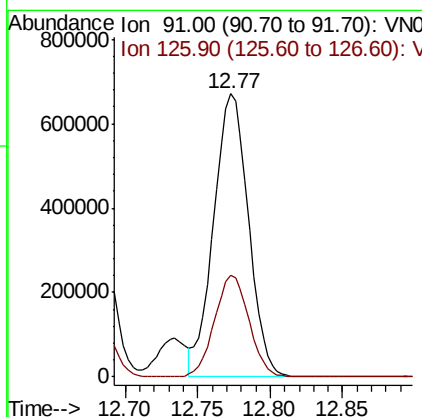
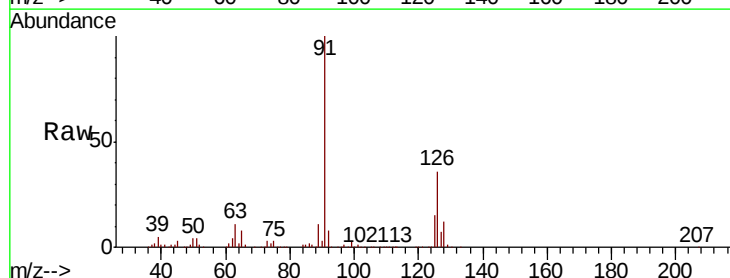
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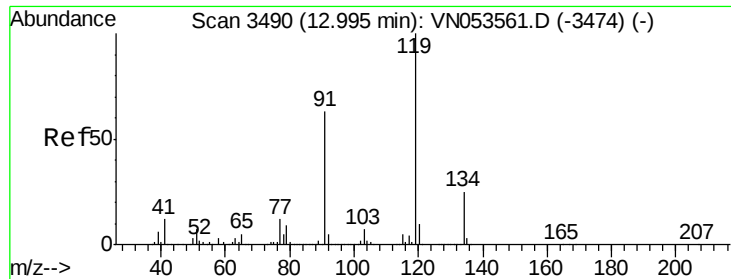
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#82
4-Chlorotoluene
Concen: 48.775 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.6	52.9





#83

tert-Butylbenzene

Concen: 50.875 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1209786

Ion Ratio Lower Upper

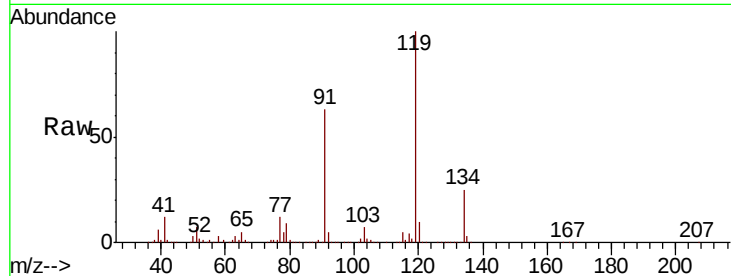
119 100

91 61.0 31.3 93.8

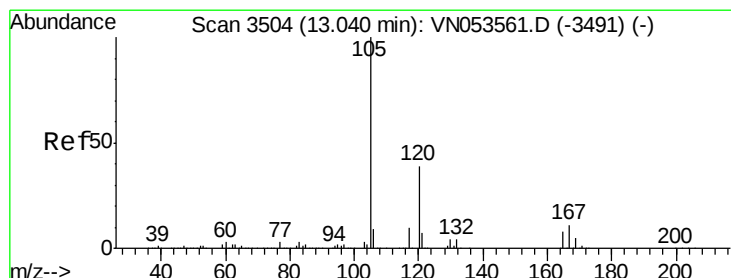
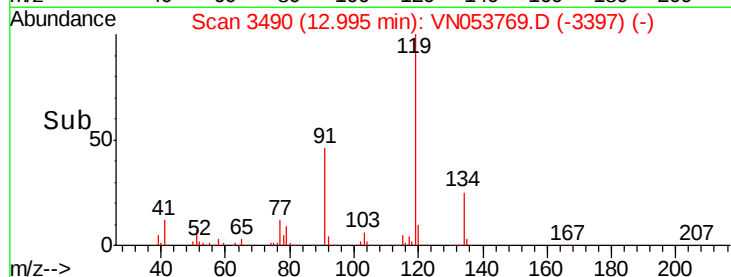
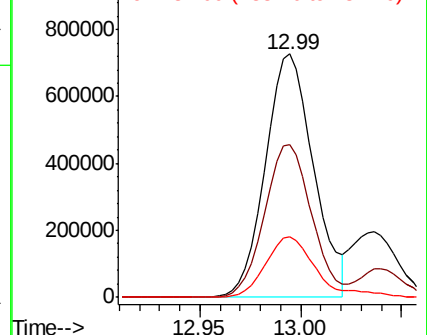
134 26.2 12.9 38.7

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.531 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053769.D

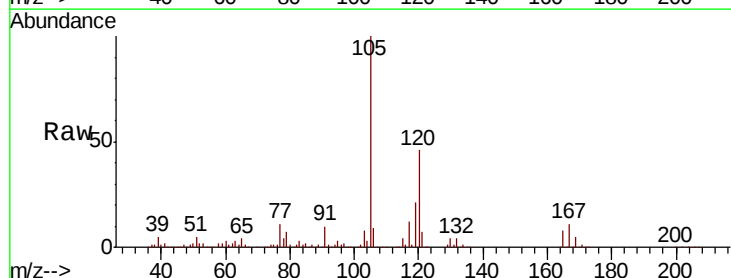
Acq: 14 Feb 2019 10:16

Tgt Ion:105 Resp: 1412539

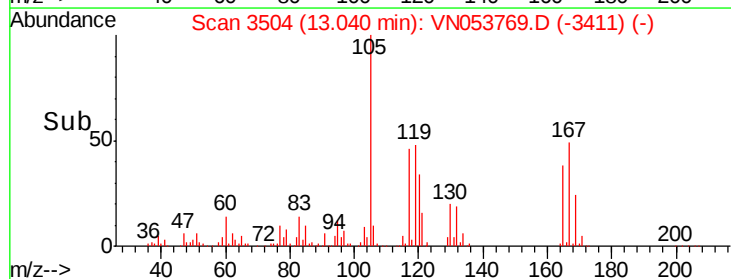
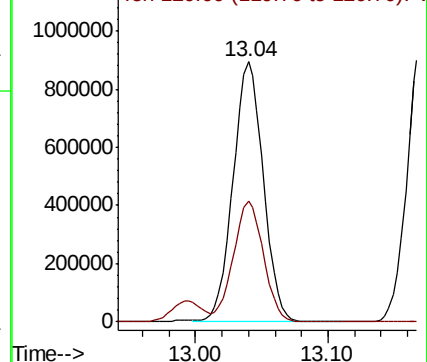
Ion Ratio Lower Upper

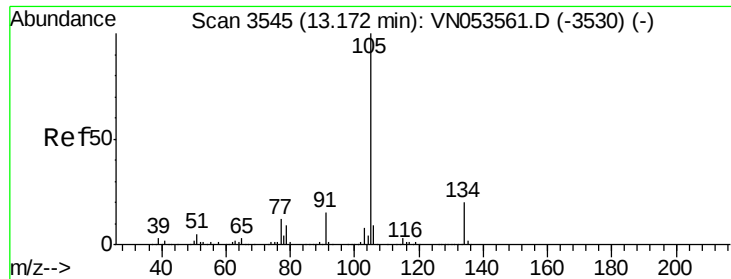
105 100

120 46.4 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 51.195 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion:105 Resp: 1656629

Ion Ratio Lower Upper

105 100

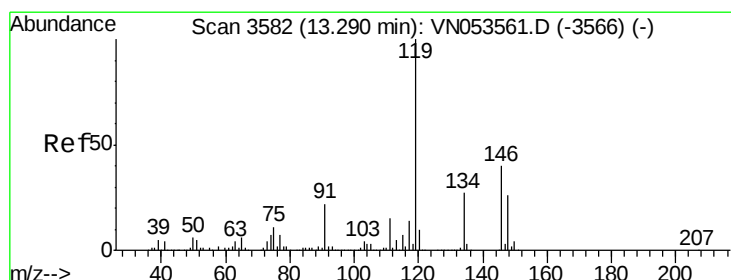
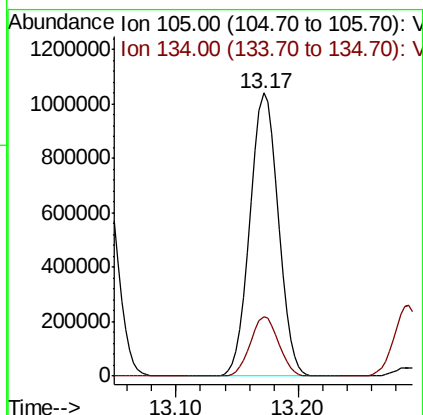
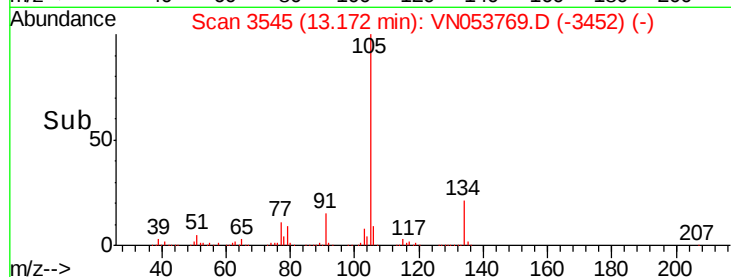
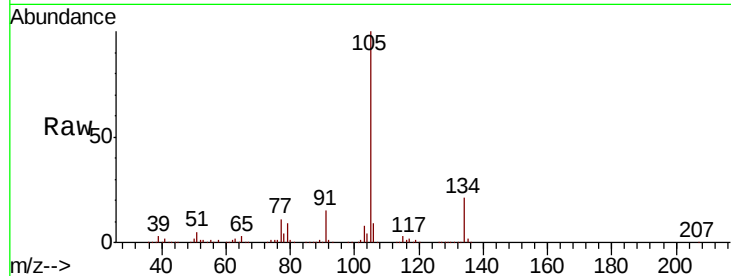
134 20.9 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 52.266 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

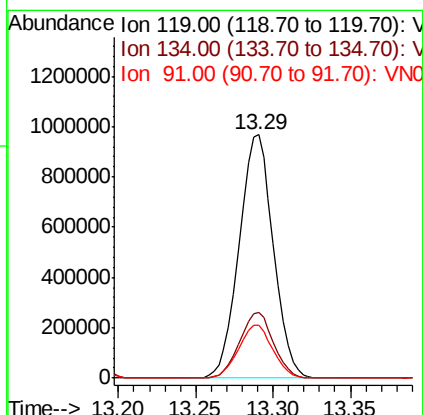
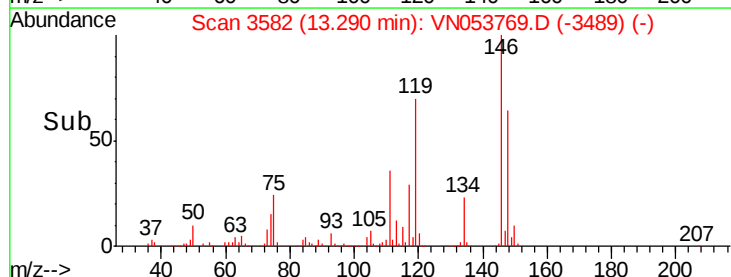
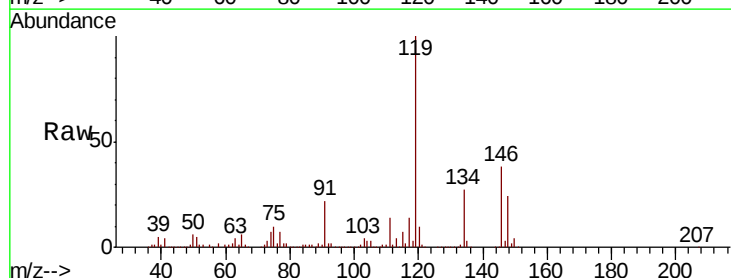
Tgt Ion:119 Resp: 1479191

Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.8 11.0 33.0





#87

1,3-Dichlorobenzene

Concen: 48.508 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Instrument :

MSVOA_N

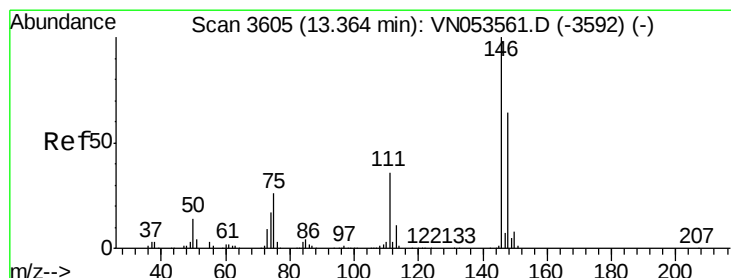
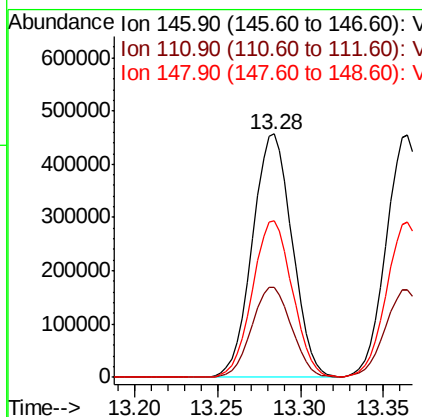
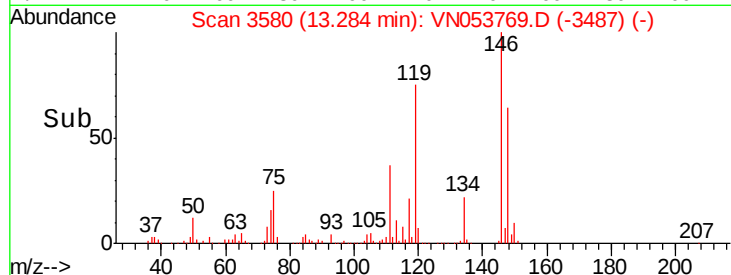
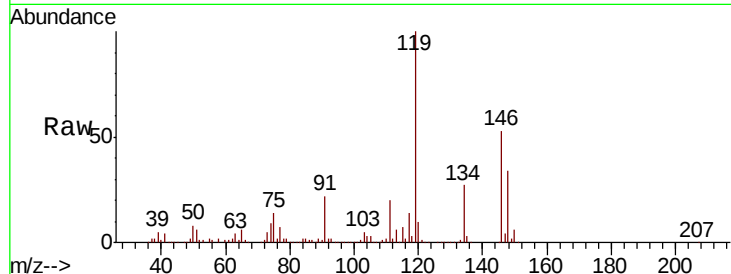
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	762509
Ion Ratio	Lower	Upper	
146	100		
111	37.1	18.8	56.3
148	64.4	32.0	96.2

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#88

1,4-Dichlorobenzene

Concen: 47.979 ug/l

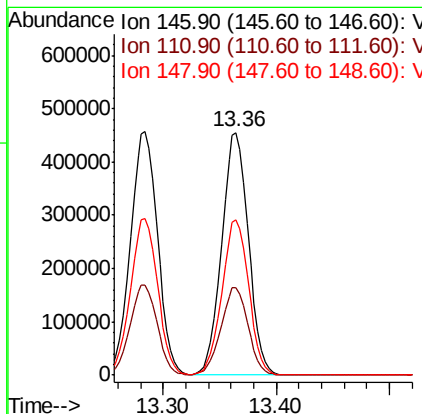
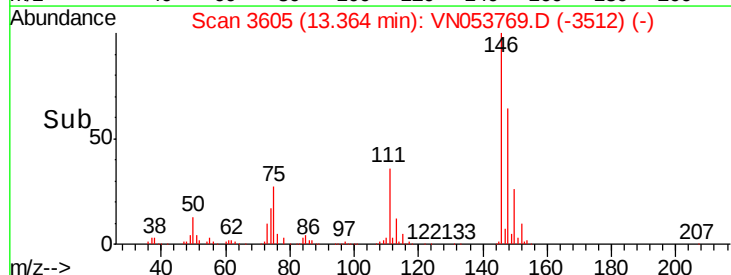
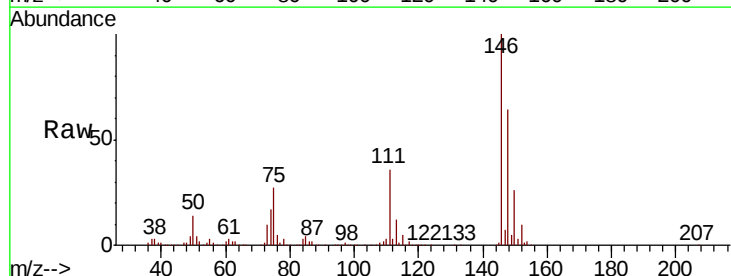
RT: 13.36 min Scan# 3605

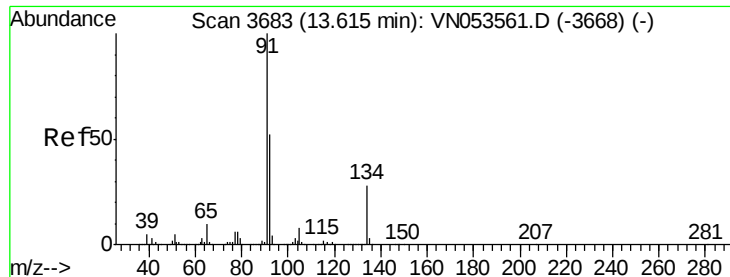
Delta R.T. -0.00 min

Lab File: VN053769.D

Acq: 14 Feb 2019 10:16

Tgt Ion:	146	Resp:	746035
Ion Ratio	Lower	Upper	
146	100		
111	36.8	18.6	55.8
148	64.4	32.4	97.0





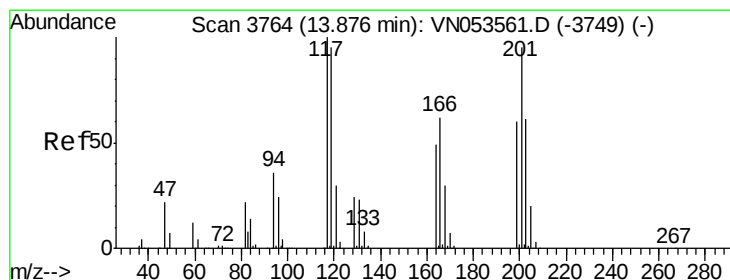
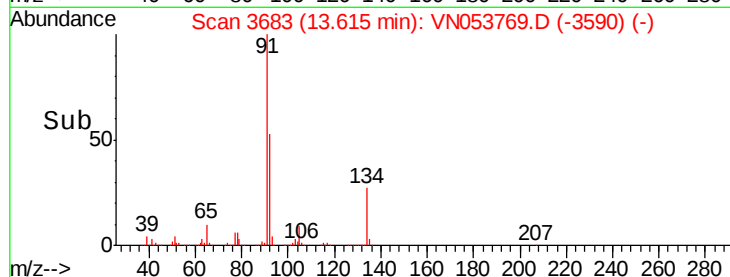
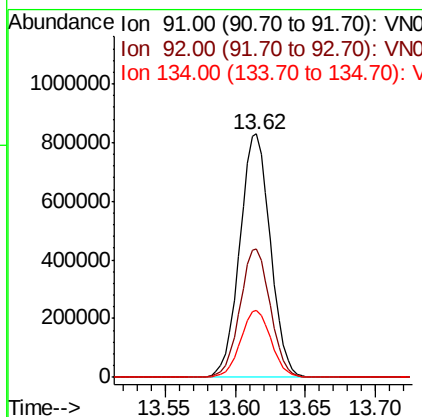
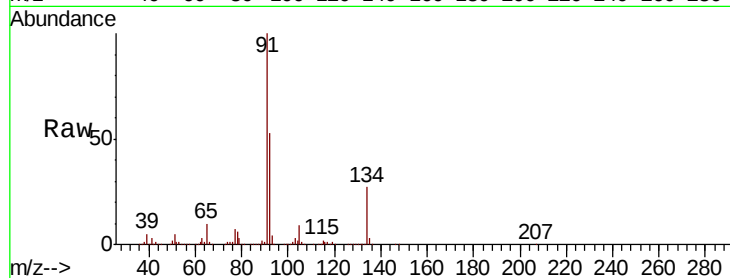
#89
n-Butylbenzene
Concen: 51.364 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.3	78.8
134	27.4	13.5	40.5

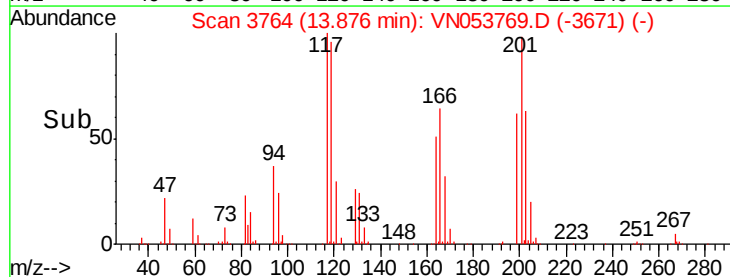
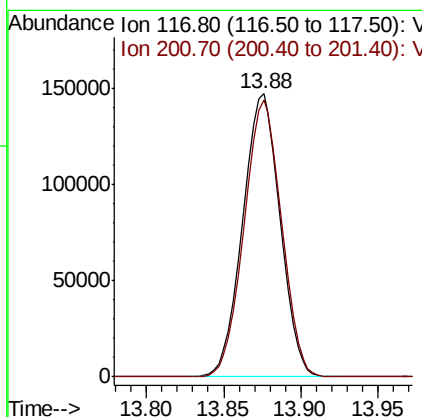
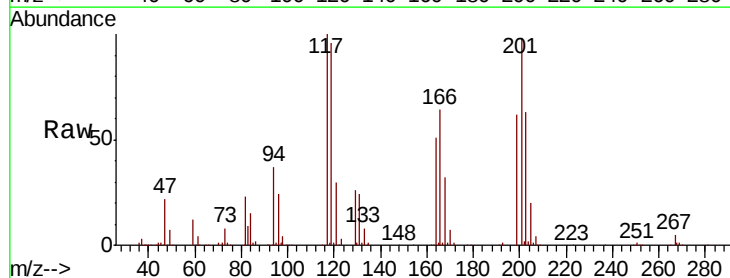
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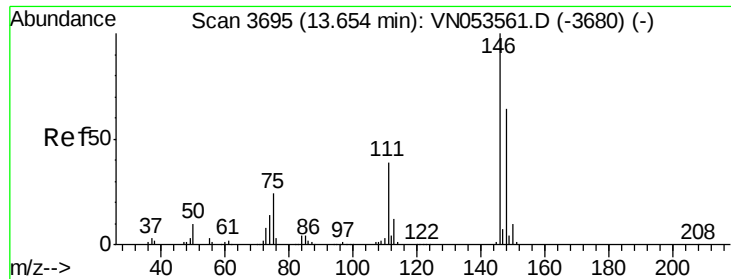
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#90
Hexachloroethane
Concen: 53.104 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	97.7	46.8	140.4





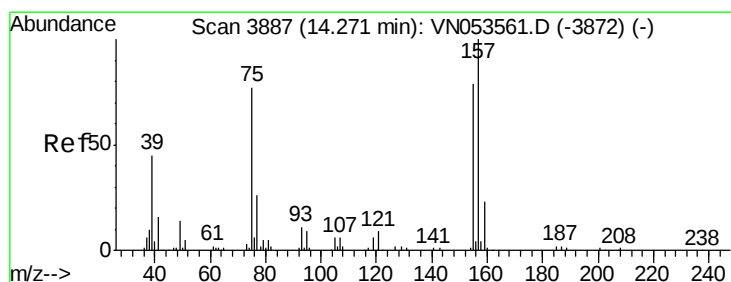
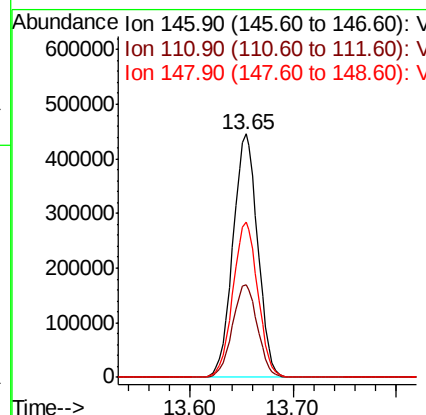
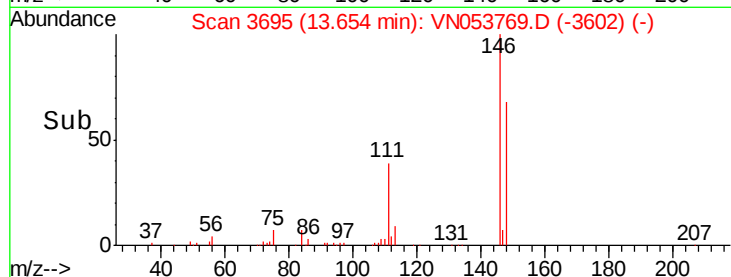
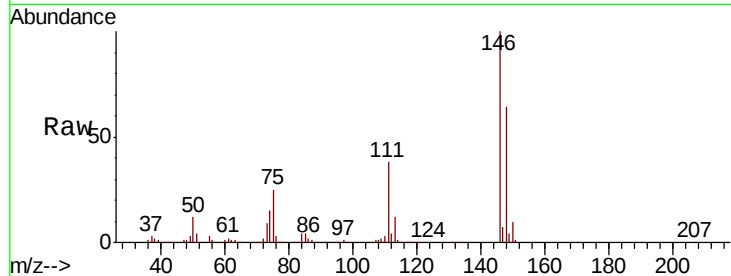
#91
 1,2-Dichlorobenzene
 Concen: 49.472 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	64.2	31.9	95.9

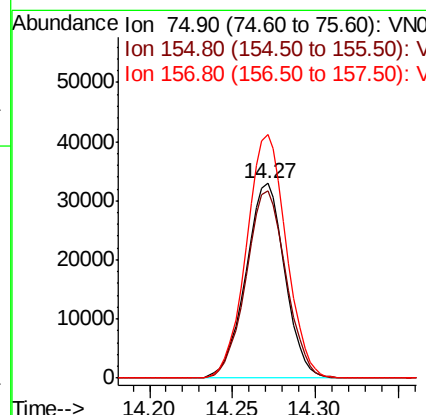
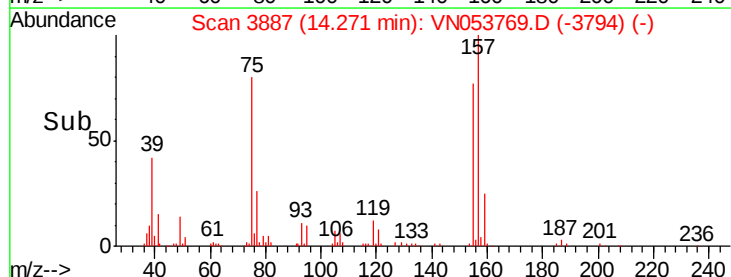
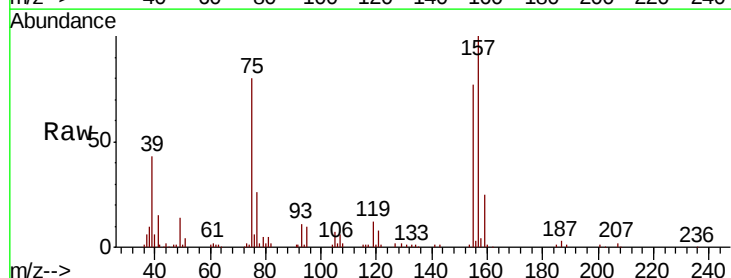
Manual Integrations
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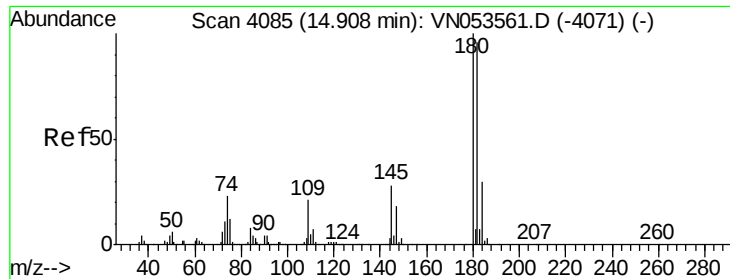
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.604 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	48.9	146.7
157	128.0	63.7	191.3





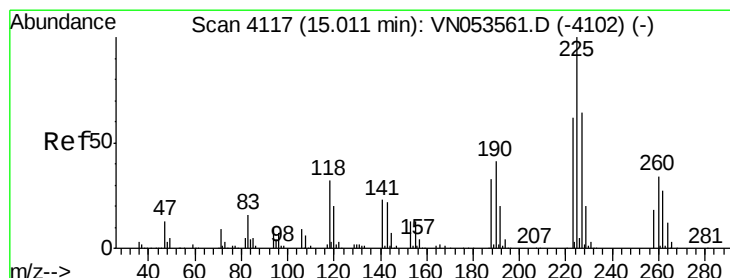
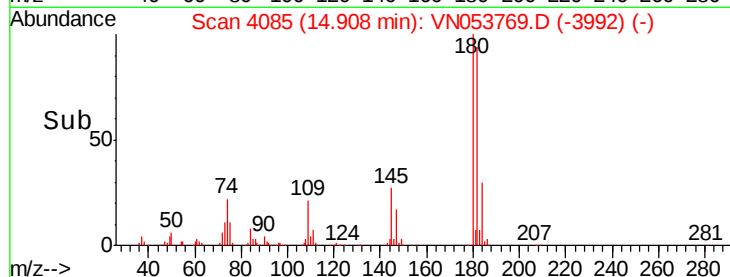
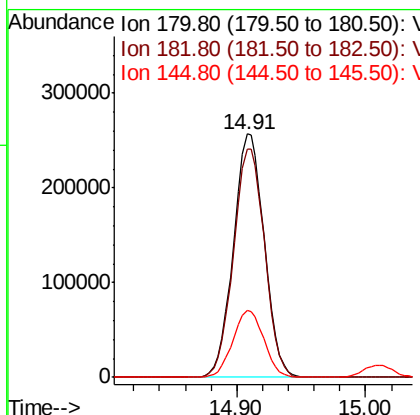
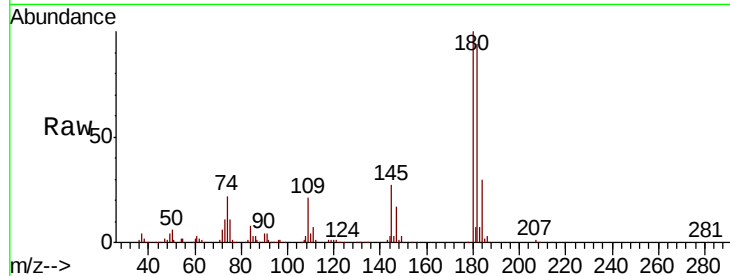
#93
 1,2,4-Trichlorobenzene
 Concen: 49.228 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	424885		
182	94.9	48.1	144.3	
145	27.5	13.9	41.6	

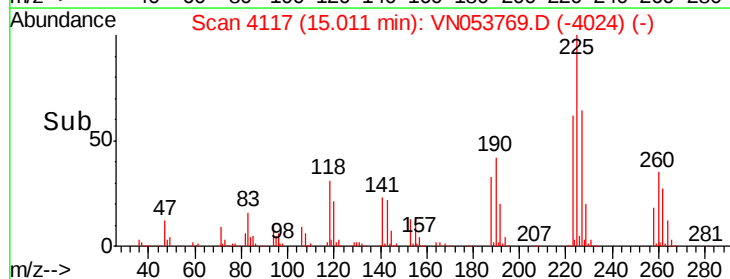
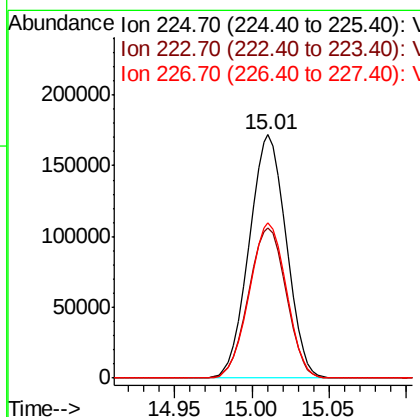
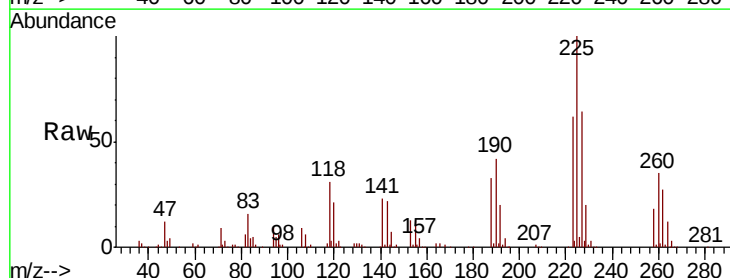
Manual Integrations
 APPROVED

MMDadoda
 2/15/2019 10:19:44 AM



#94
 Hexachlorobutadiene
 Concen: 53.413 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053769.D
 Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	287095		
223	62.9	31.1	93.2	
227	63.8	32.0	96.2	





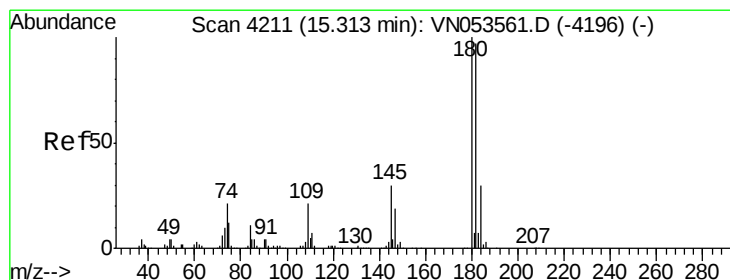
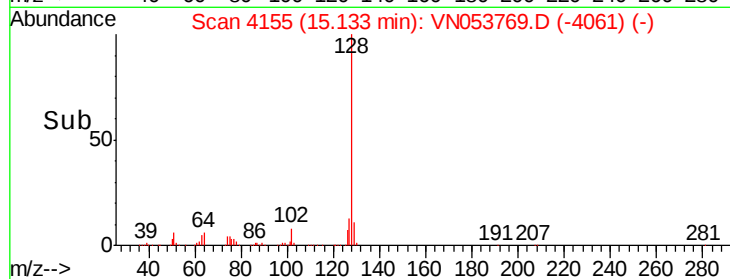
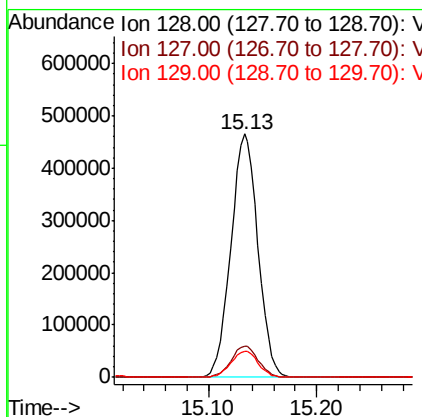
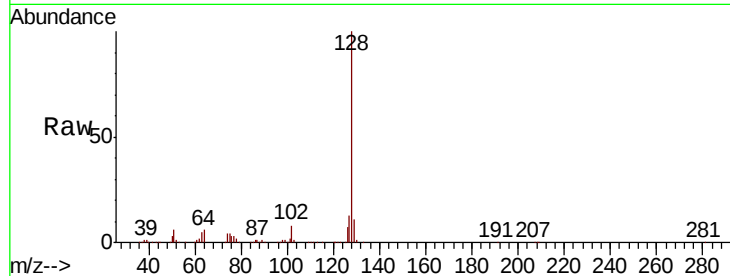
#95
Naphthalene
Concen: 40.384 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
2/15/2019 10:19:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.135 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053769.D
Acq: 14 Feb 2019 10:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.8
145	29.2	14.7	44.1

