

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010419\
 Data File : VN053279.D
 Acq On : 4 Jan 2019 10:24
 Operator : MD\SY
 Sample : VN0104WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0104WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/7/2019 11:09:57 AM

Quant Time: Jan 05 00:10:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	149729	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	840786	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	760607	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	281975	29.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.83%
60) 4-Bromofluorobenzene	12.40	95	344094	29.56	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.53%
63) Toluene-d8	10.09	98	1033427	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	195770	19.624	ug/l 98
3) Chloromethane	2.06	50	230795	19.711	ug/l 99
4) Vinyl Chloride	2.19	62	217928	18.914	ug/l 96
5) Bromomethane	2.57	94	143308	19.291	ug/l 96
6) Chloroethane	2.71	64	127866	19.265	ug/l 99
7) Trichlorofluoromethane	3.02	101	275924	19.392	ug/l 100
8) Diethyl Ether	3.41	74	101818	19.260	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	173629	19.422	ug/l 96
10) 1,1-Dichloroethene	3.74	96	162744	18.654	ug/l 96
11) Methyl Iodide	3.96	142	250888	19.637	ug/l 99
12) Methyl Acetate	4.33	43	138060	20.303	ug/l 95
13) Acrolein	3.61	56	77594	95.575	ug/l 100
14) Acrylonitrile	4.99	53	306427	100.730	ug/l 97
15) Acetone	3.82	58	80996	125.279	ug/l 87
16) Carbon Disulfide	4.06	76	492292	18.343	ug/l 100
17) Allyl chloride	4.33	41	249274	18.162	ug/l 97
18) Methylene Chloride	4.55	84	193174	19.347	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	171958	18.650	ug/l 94
20) Diisopropyl ether	5.95	45	568857	19.354	ug/l 96
21) 1,1-Dichloroethane	5.85	63	327446	19.134	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	200002	19.257	ug/l 97
23) tert-Butyl Alcohol	4.77	59	47081	91.808	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	436462	19.185	ug/l 96
25) Chloroform	7.37	83	323980	19.695	ug/l 98
26) Cyclohexane	7.66	56	292352	18.316	ug/l # 97
29) 1,1-Dichloropropene	7.79	75	248866	19.540	ug/l 99
30) 2-Butanone	6.83	43	346051	108.910	ug/l 96
31) 2,2-Dichloropropane	6.83	77	237252	19.243	ug/l # 81
32) 1,1,1-Trichloroethane	7.57	97	266327	19.959	ug/l 97
33) Carbon Tetrachloride	7.78	117	227122	19.445	ug/l 99
34) Benzene	8.04	78	763955	19.960	ug/l 96
35) Methacrylonitrile	7.18	41	90906	22.172	ug/l 95
36) 1,2-Dichloroethane	8.12	62	224698	20.222	ug/l 98
37) Trichloroethene	8.84	130	206749	19.940	ug/l 92
38) Methylcyclohexane	9.08	83	286145	19.209	ug/l 96
39) 1,2-Dichloropropane	9.12	63	200674	20.078	ug/l 98
40) Dibromomethane	9.21	93	116626	20.633	ug/l 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	241481	19.894	ug/l	97
42) Vinyl Acetate	5.90	43	1726528	99.599	ug/l	98
43) Ethyl Acetate	6.93	43	152258	21.457	ug/l #	69
44) Isopropyl Acetate	8.17	43	269781	20.410	ug/l	99
45) 1,4-Dioxane	9.20	88	28582	353.611	ug/l	95
46) Methyl methacrylate	9.20	41	132532	19.847	ug/l	96
47) n-amyl Acetate	12.07	43	223903	19.289	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	236602	19.098	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	283067	19.404	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	166274	20.517	ug/l	99
51) Ethyl methacrylate	10.43	69	209445	19.829	ug/l	94
52) 1,3-Dichloropropane	10.71	76	287614	20.601	ug/l	99
53) Dibromochloromethane	10.90	129	179983	19.773	ug/l	97
54) 1,2-Dibromoethane	11.00	107	162535	19.880	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	604801	99.775	ug/l	98
56) Bromoform	12.13	173	120816	19.403	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	758972	104.718	ug/l	98
59) 2-Hexanone	10.75	43	519090	103.743	ug/l	97
61) Tetrachloroethene	10.63	164	232690	20.702	ug/l	95
62) Toluene	10.16	91	820403	19.667	ug/l	98
64) Chlorobenzene	11.43	112	513996	19.636	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	179327	19.530	ug/l	99
66) Ethyl Benzene	11.51	91	877023	19.388	ug/l	99
67) m/p-Xylenes	11.62	106	676377	39.535	ug/l	98
68) o-Xylene	11.95	106	324800	19.591	ug/l	98
69) Styrene	11.96	104	536744	19.835	ug/l	99
70) Isopropylbenzene	12.25	105	859610	19.707	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	180610	19.669	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	160273m	19.932	ug/l	
73) Bromobenzene	12.53	156	224143	19.991	ug/l	93
74) n-propylbenzene	12.59	91	963782	19.519	ug/l	98
75) 2-Chlorotoluene	12.67	91	585312	20.015	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	678753	19.616	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	50273	17.794	ug/l	98
78) 4-Chlorotoluene	12.77	91	573642	19.271	ug/l	99
79) tert-butylbenzene	12.99	119	600179	19.889	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	686035	19.782	ug/l	100
81) sec-Butylbenzene	13.17	105	789287	19.752	ug/l	100
82) p-Isopropyltoluene	13.29	119	667500	19.331	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	360397	18.878	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	349466	18.779	ug/l	99
85) n-Butylbenzene	13.62	91	510794	18.190	ug/l	99
86) Hexachloroethane	13.88	117	98354	17.840	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	326363	18.398	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	15860	12.078	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	54677	6.350	ug/l	99
90) Hexachlorobutadiene	15.01	225	67534	12.958	ug/l	97
91) Naphthalene	15.13	128	82459	4.514	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	32560	4.239	ug/l	98

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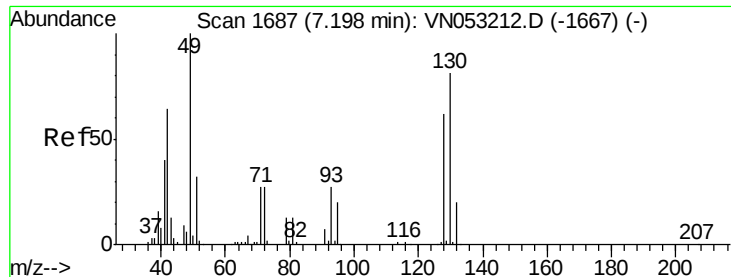
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

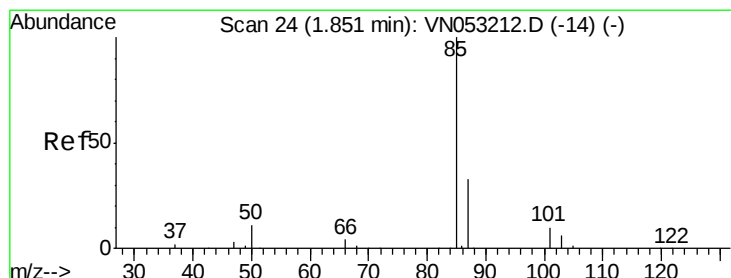
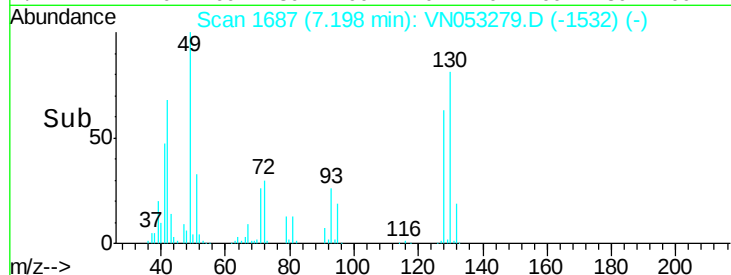
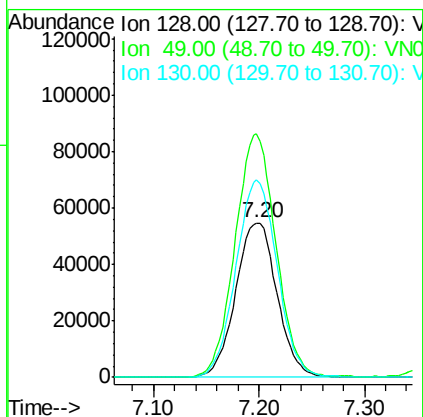
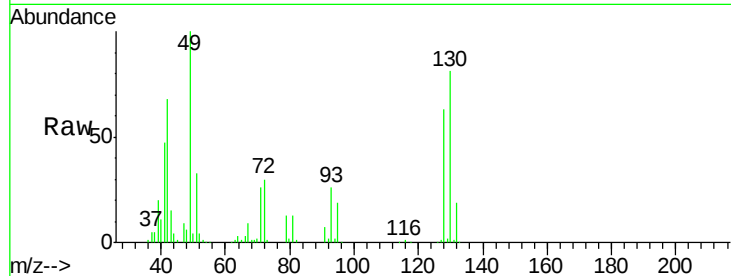
ClientSampleId :

VN0104WBS01

Tot Ion:	128	Resp:	149729
Ion	Ratio	Lower	Upper
128	100		
49	155.7	0.0	431.8
130	127.4	0.0	317.0

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#2

Dichlorodifluoromethane

Concen: 19.624 ug/l

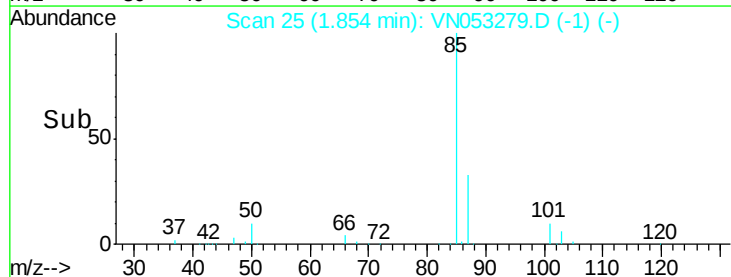
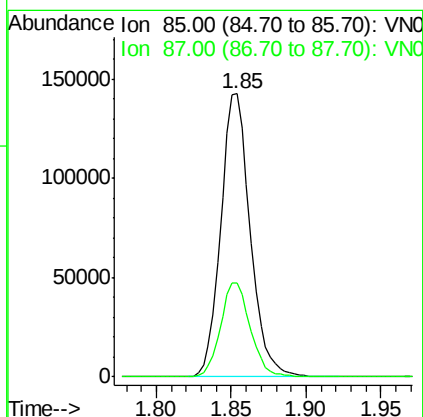
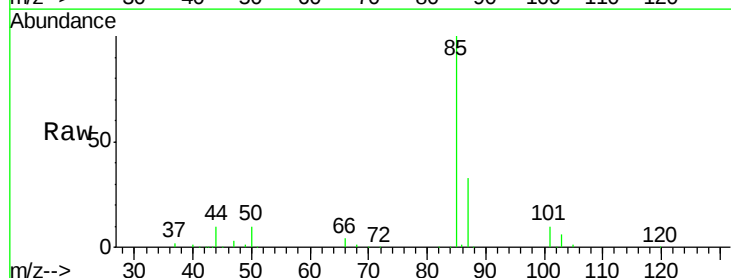
RT: 1.85 min Scan# 25

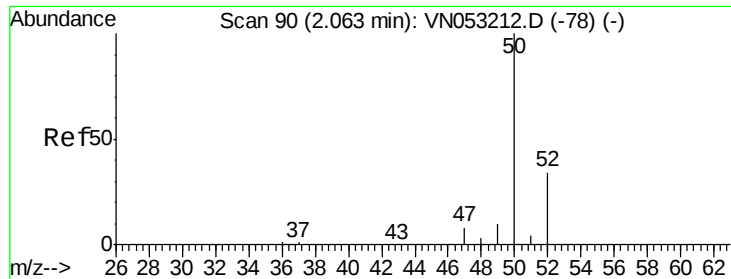
Delta R.T. 0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Tgt Ion:	85	Resp:	195770
Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.1	48.3





#3

Chloromethane

Concen: 19.711 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

Tot Ion: 50 Resp: 230795

Ion Ratio Lower Upper

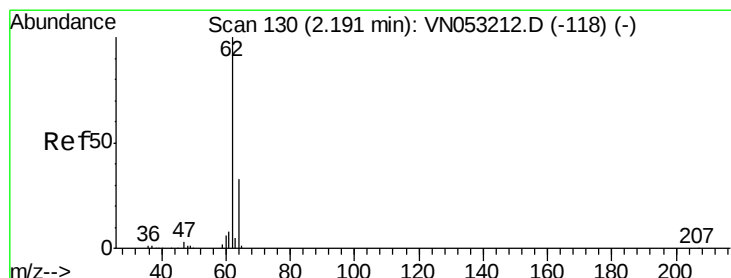
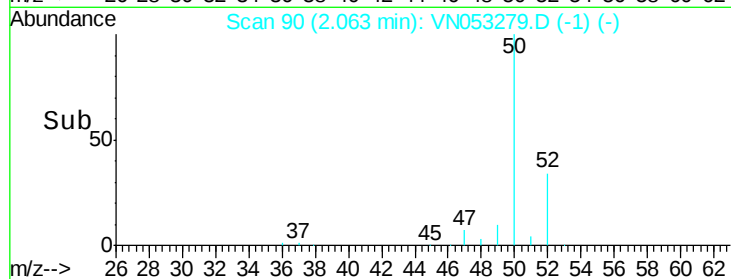
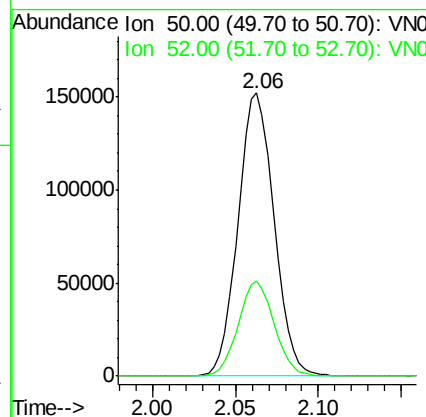
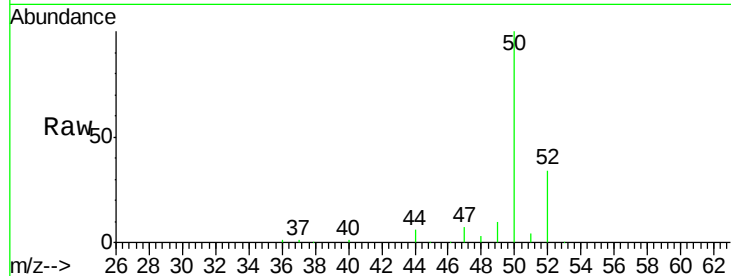
50 100

52 33.6 26.5 39.7

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#4

Vinyl Chloride

Concen: 18.914 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN053279.D

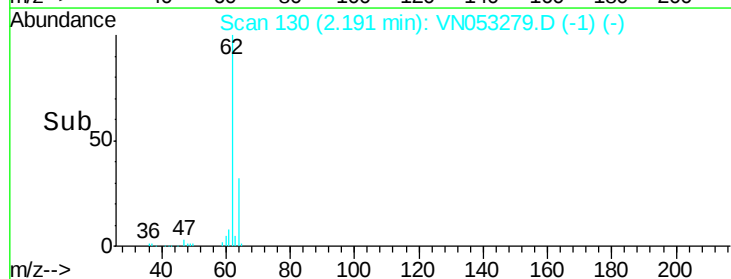
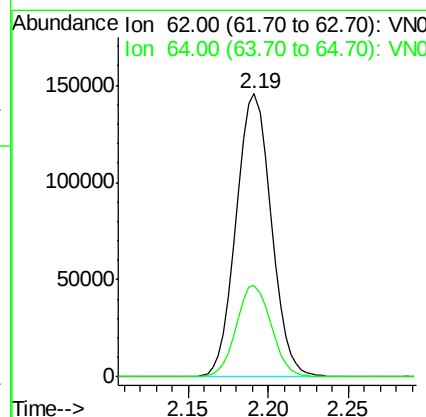
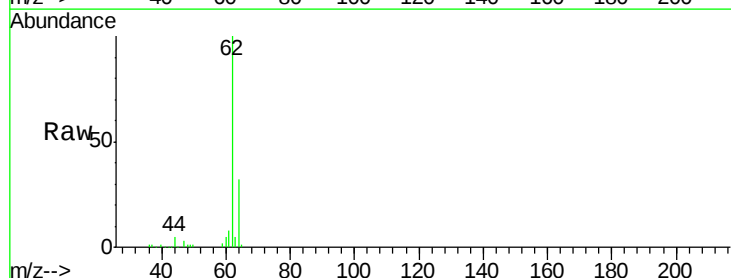
Acq: 4 Jan 2019 10:24

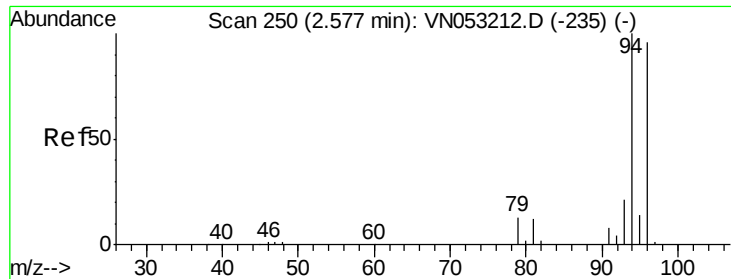
Tgt Ion: 62 Resp: 217928

Ion Ratio Lower Upper

62 100

64 32.4 24.2 36.4





#5

Bromomethane

Concen: 19.291 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

Tot Ion: 94 Resp: 143308

Ion Ratio Lower Upper

94 100

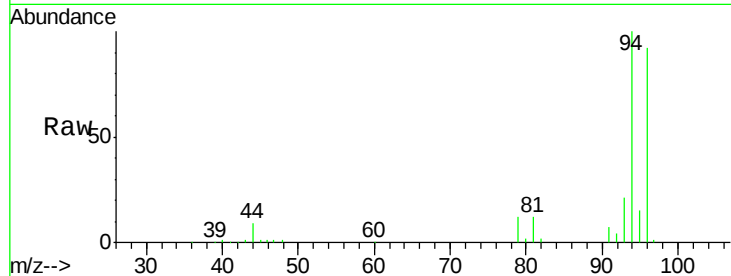
96 91.7 76.2 114.2

Manual Integrations

APPROVED

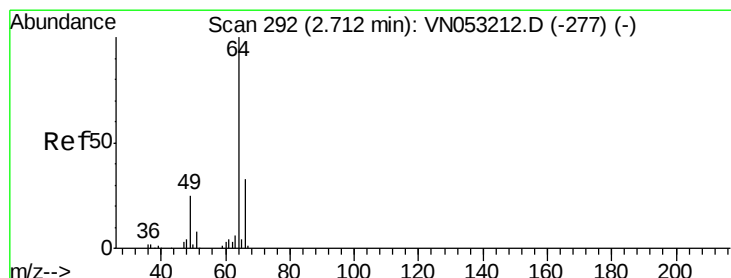
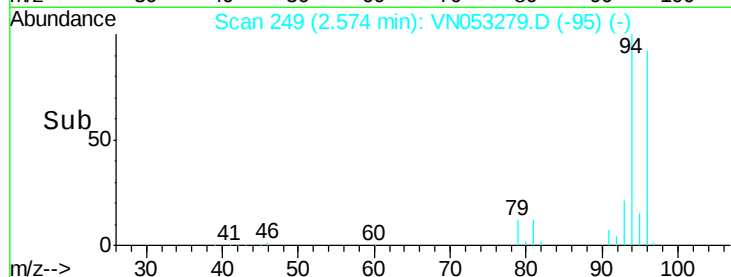
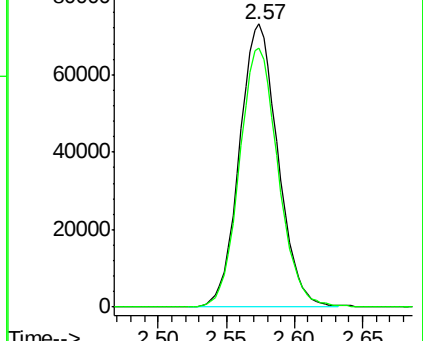
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 19.265 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN053279.D

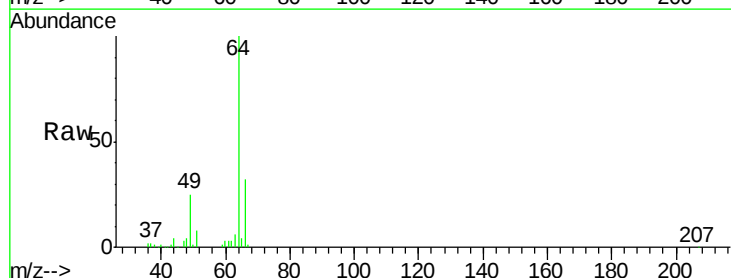
Acq: 4 Jan 2019 10:24

Tgt Ion: 64 Resp: 127866

Ion Ratio Lower Upper

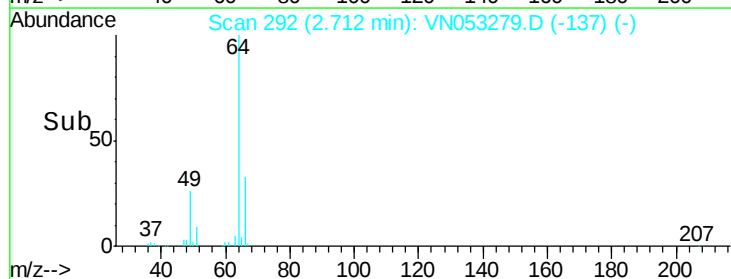
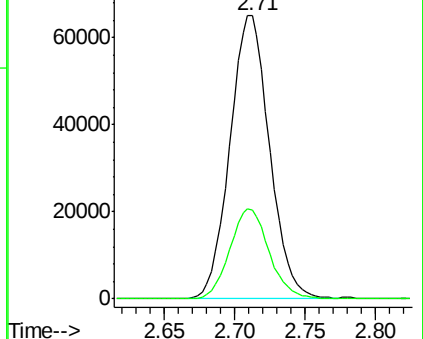
64 100

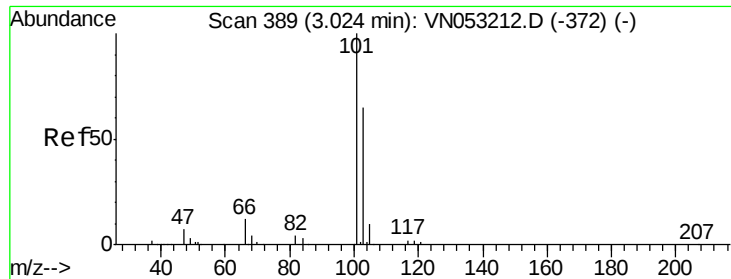
66 31.5 25.6 38.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

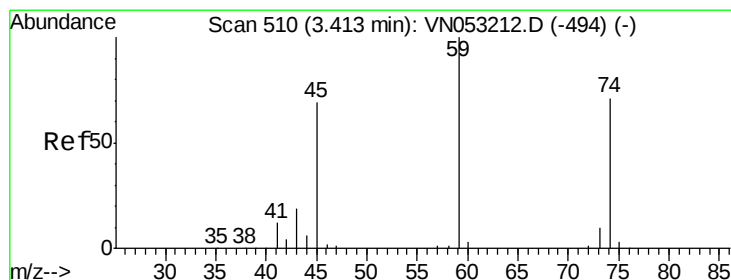
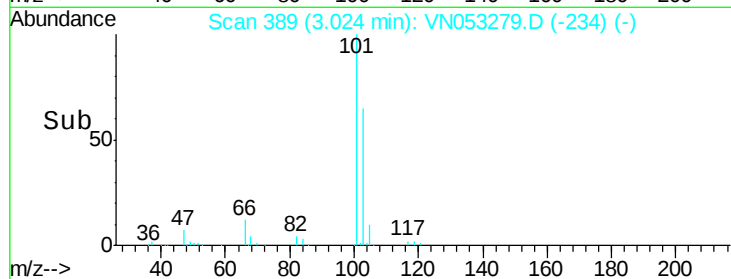
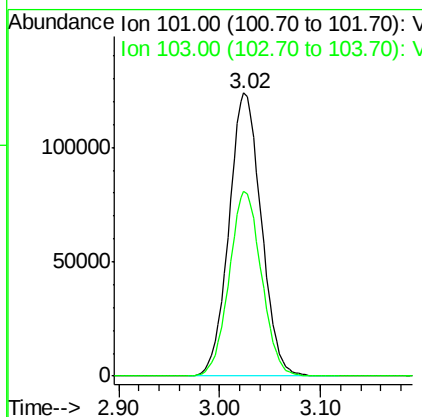
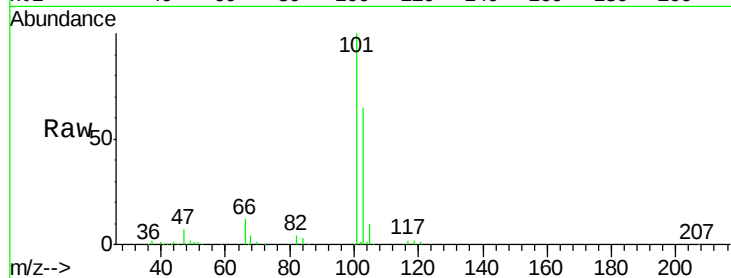
Trichlorofluoromethane
Concen: 19.392 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VN0104WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.1	78.1

Manual Integrations
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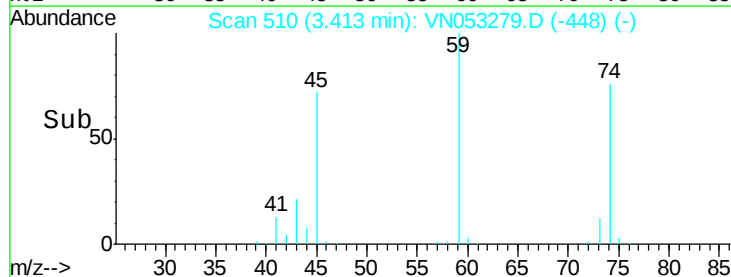
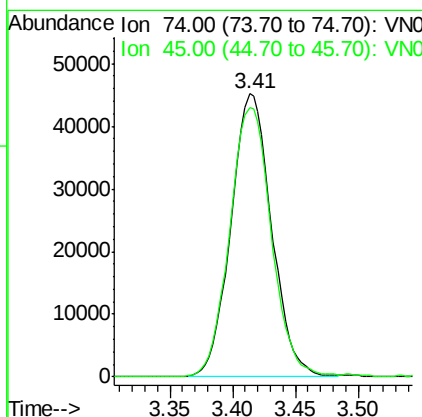
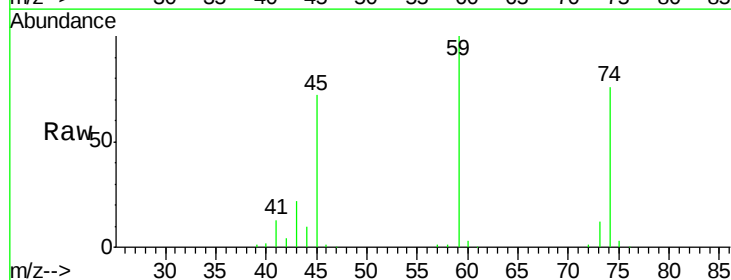
MMDadoda
1/7/2019 11:09:57 AM

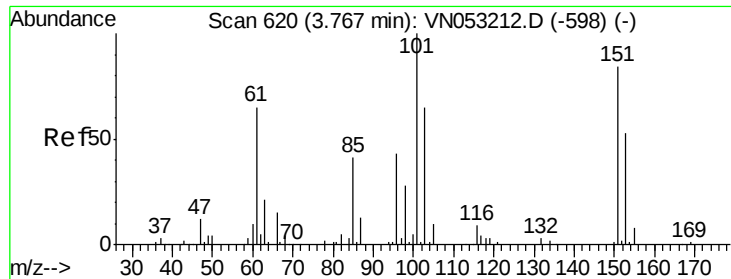


#8

Diethyl Ether
Concen: 19.260 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.422 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

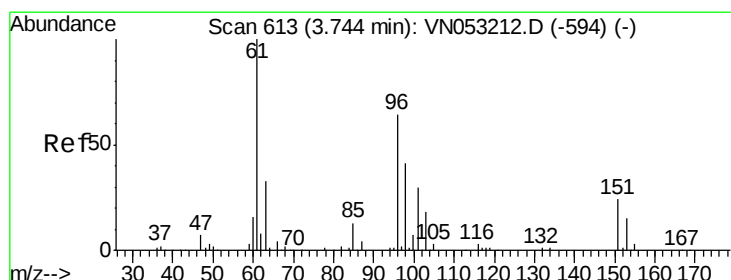
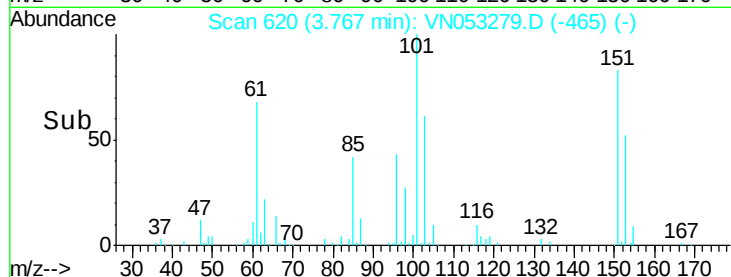
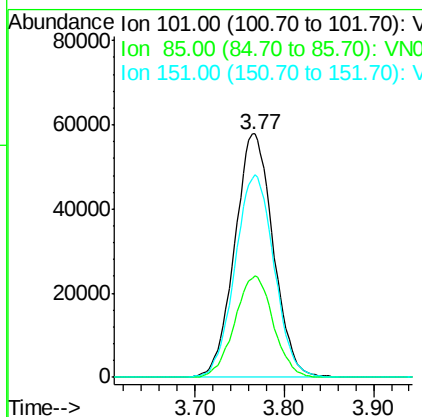
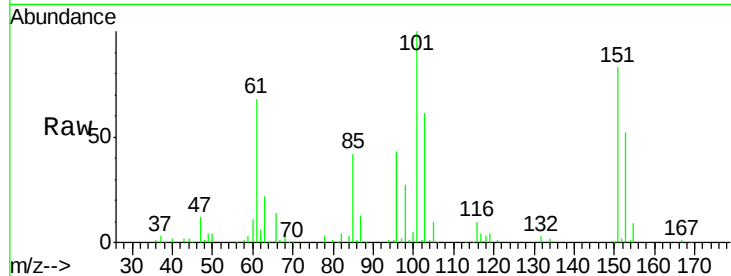
ClientSampled :

VN0104WBS01

Tot Ion:	101	Resp:	173629
Ion Ratio	Lower	Upper	
101	100		
85	41.6	0.0	82.6
151	84.5	0.0	158.4

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 18.654 ug/l

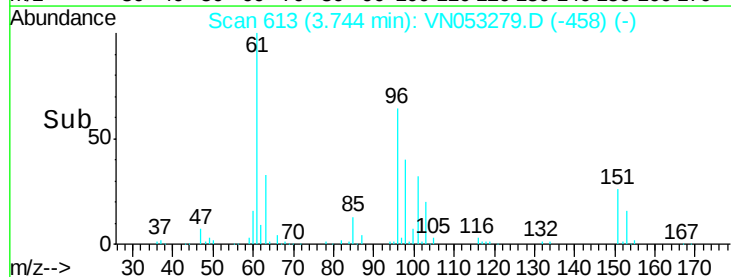
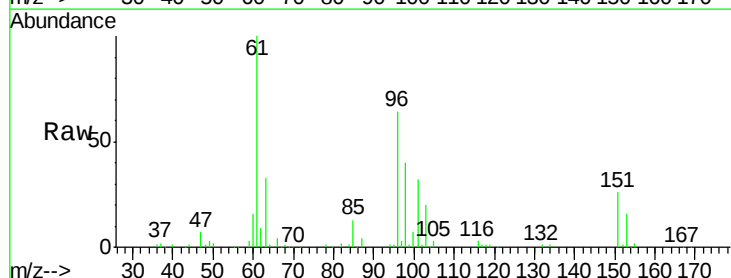
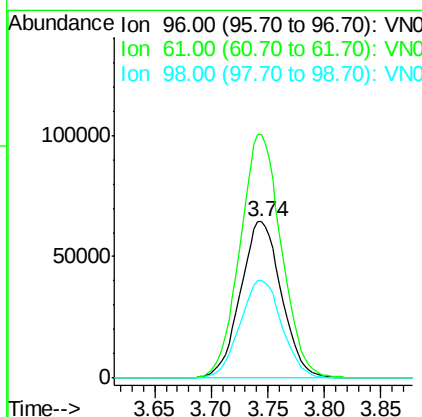
RT: 3.74 min Scan# 613

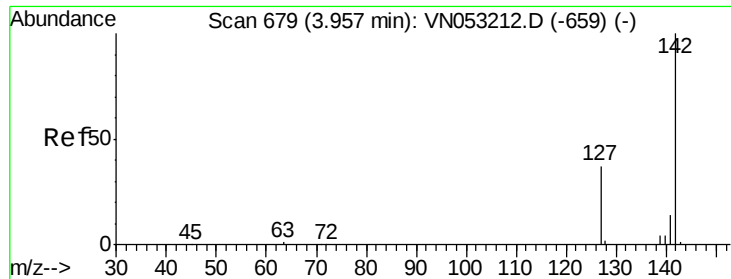
Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Tgt Ion:	96	Resp:	162744
Ion Ratio	Lower	Upper	
96	100		
61	155.4	129.4	194.2
98	62.4	50.4	75.6





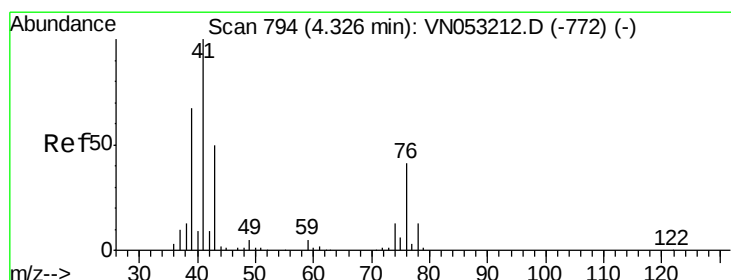
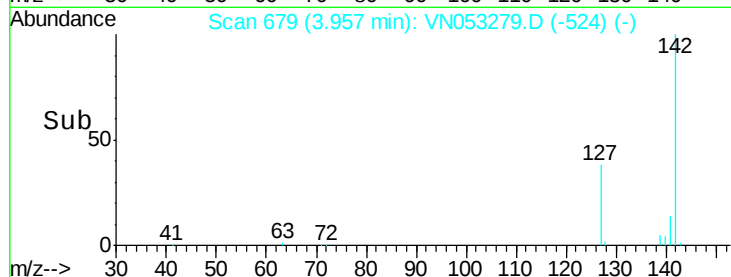
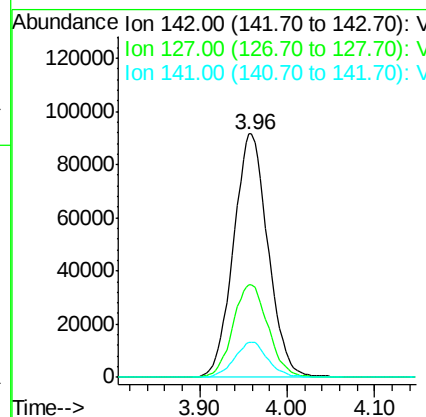
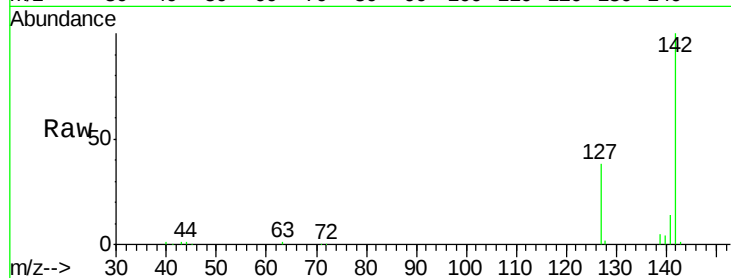
#11
Methvl Iodide
Concen: 19.637 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.2	19.4	58.1
141	14.3	7.2	21.6

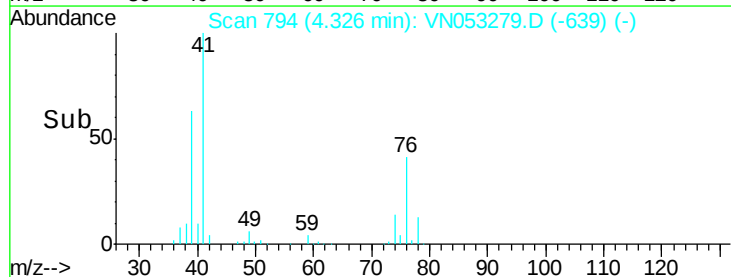
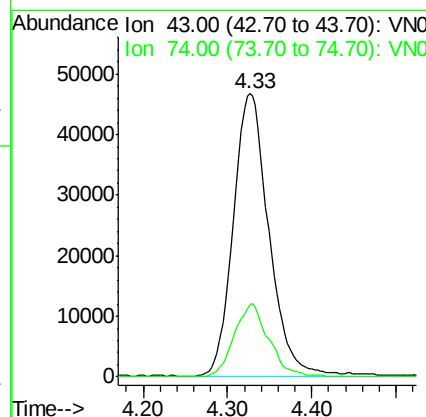
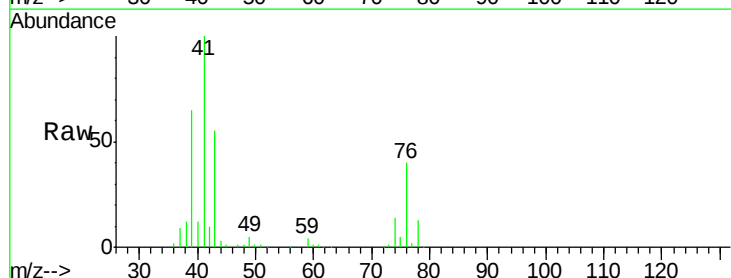
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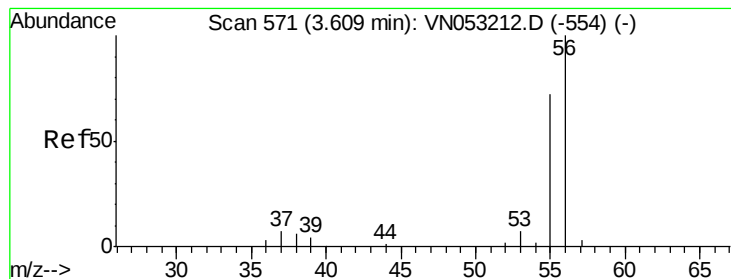
MMDadoda
1/7/2019 11:09:57 AM



#12
Methyl Acetate
Concen: 20.303 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	18.9	28.3





#13

Acrolein

Concen: 95.575 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

Tot Ion: 56 Resp: 77594

Ion Ratio Lower Upper

56 100

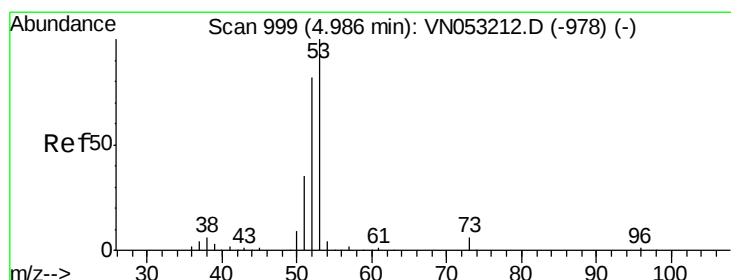
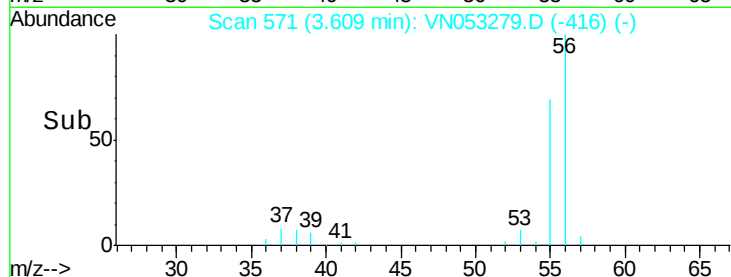
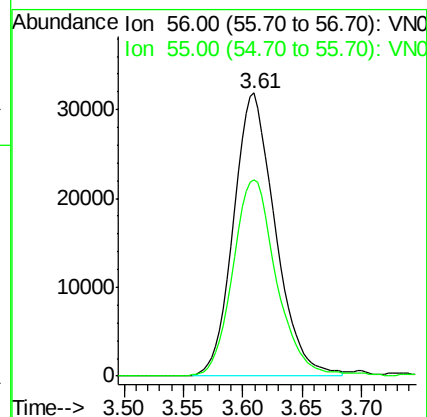
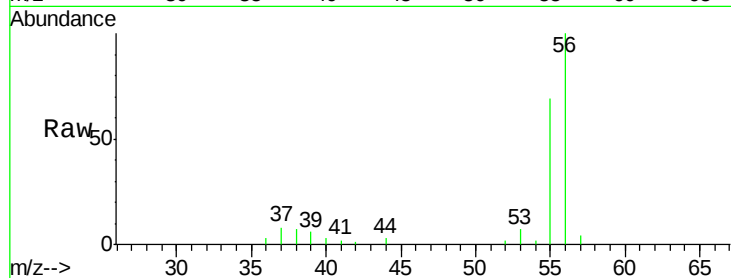
55 71.3 56.7 85.1

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#14

Acrylonitrile

Concen: 100.730 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

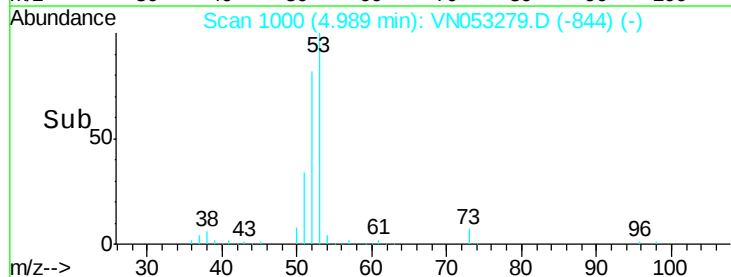
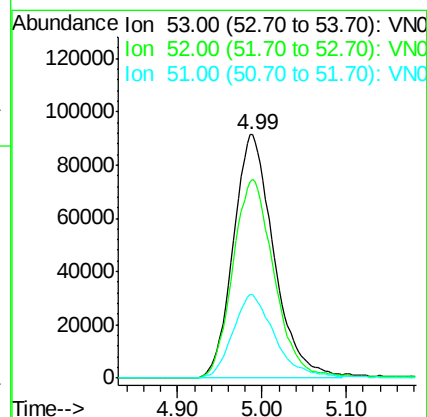
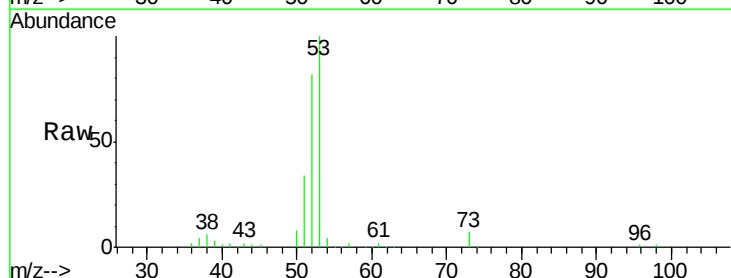
Tgt Ion: 53 Resp: 306427

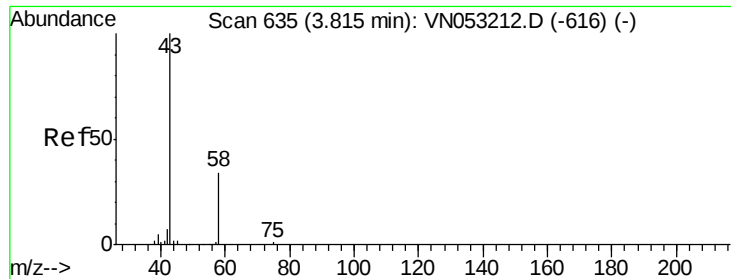
Ion Ratio Lower Upper

53 100

52 83.2 39.9 119.7

51 35.5 17.6 52.9





#15

Acetone

Concen: 125.279 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

Tot Ion: 58 Resp: 80996

Ion Ratio Lower Upper

58 100

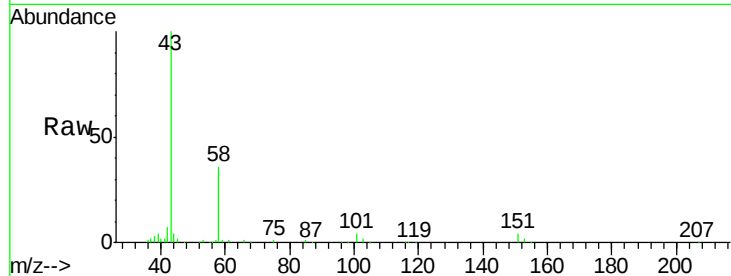
43 279.5 243.6 365.4

Manual Integrations

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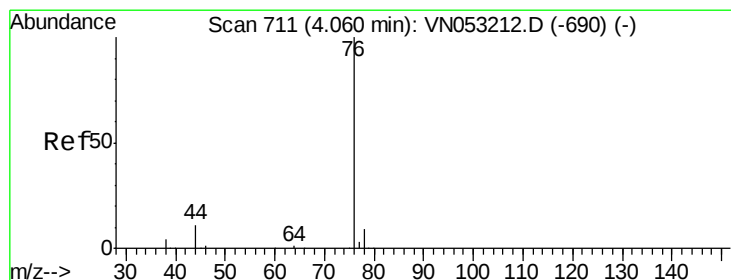
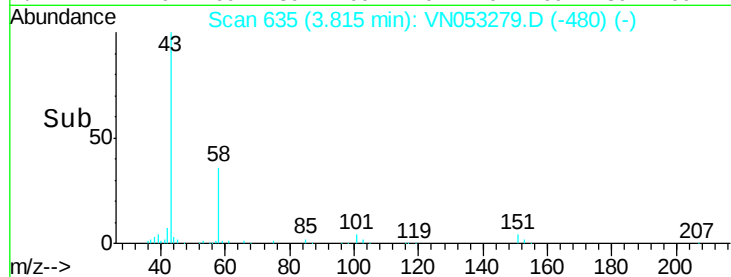
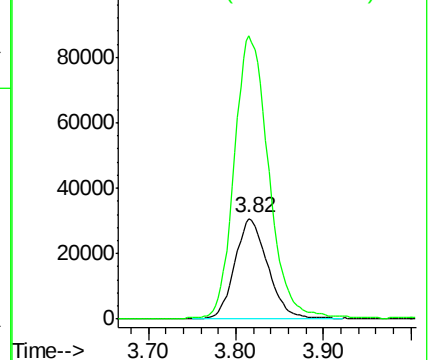
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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.343 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN053279.D

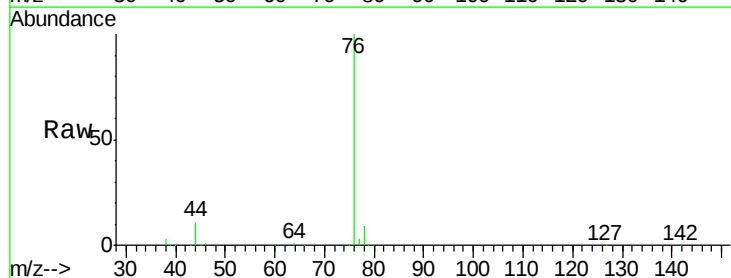
Acq: 4 Jan 2019 10:24

Tgt Ion: 76 Resp: 492292

Ion Ratio Lower Upper

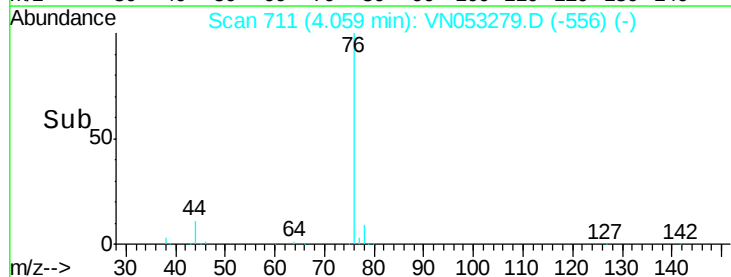
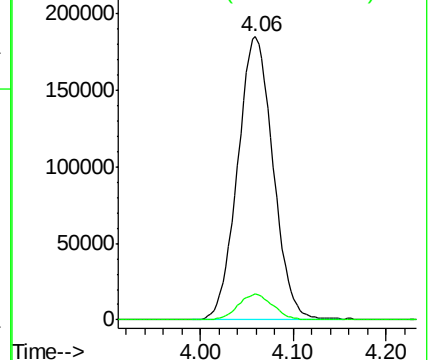
76 100

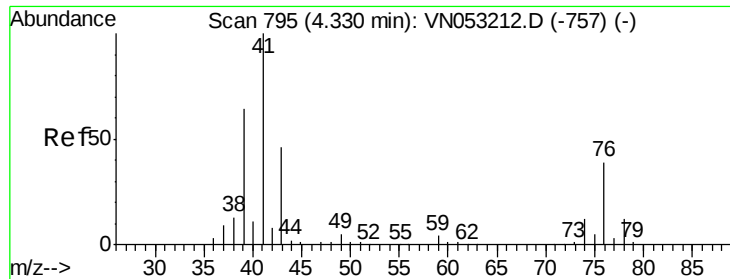
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





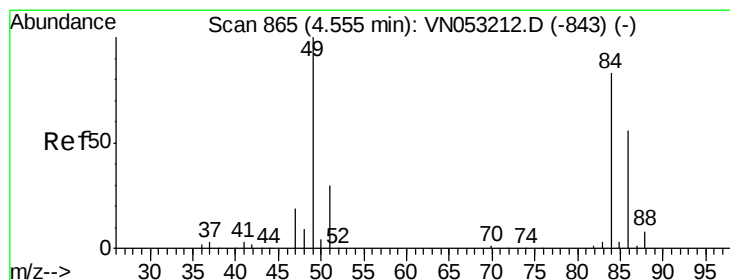
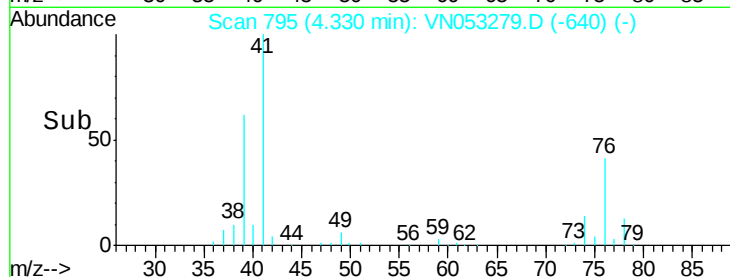
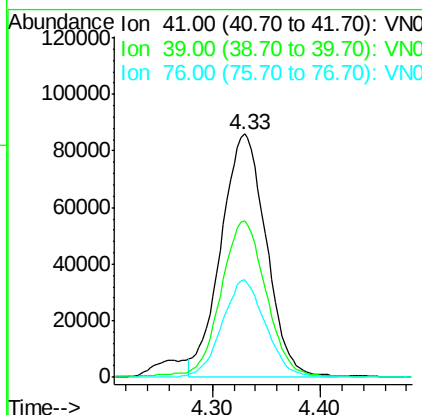
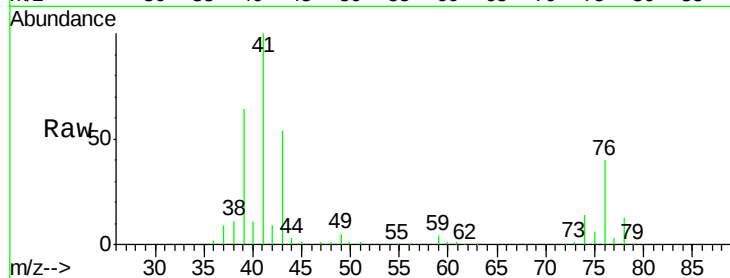
#17
Allvl chloride
Concen: 18.162 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.3	32.8	98.3
76	40.0	18.6	55.8

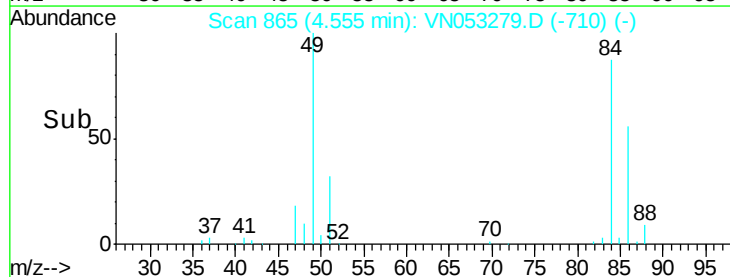
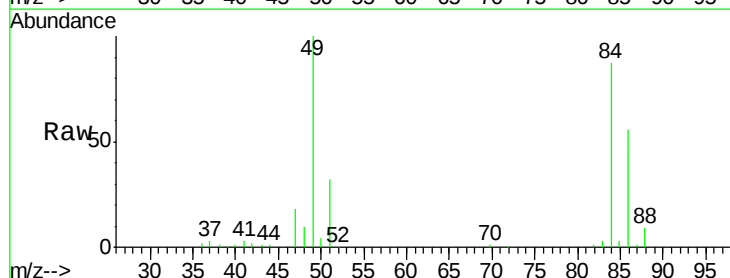
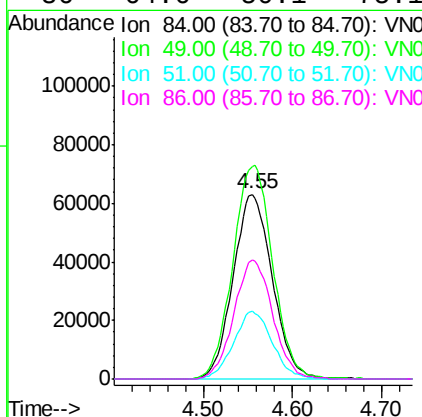
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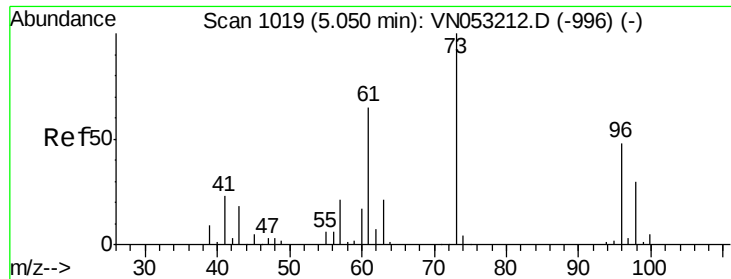
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#18
Methylene Chloride
Concen: 19.347 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.2	101.4	152.0
51	36.5	31.7	47.5
86	64.6	50.1	75.1





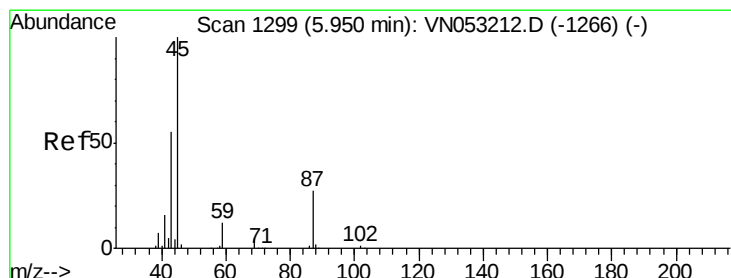
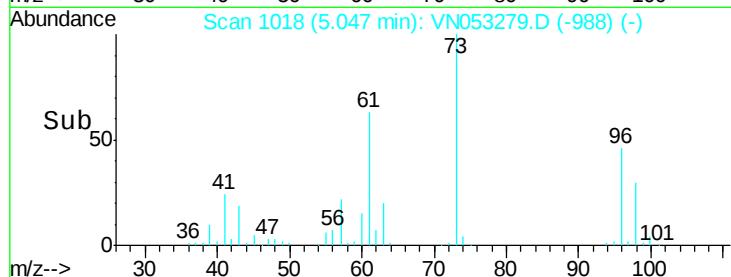
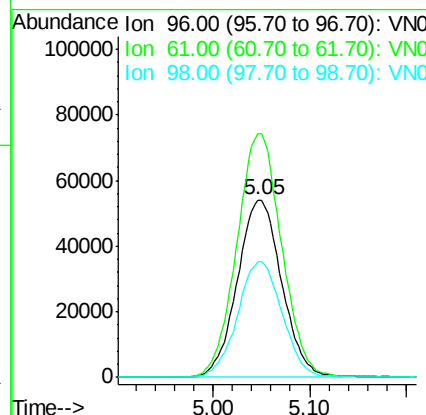
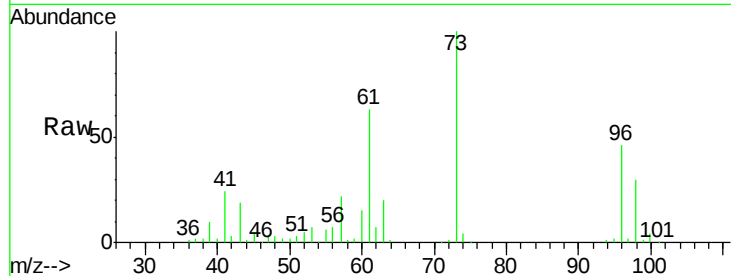
#19
trans-1,2-Dichloroethene
Concen: 18.650 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VN0104WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	118.2	177.4
98	65.0	51.4	77.2

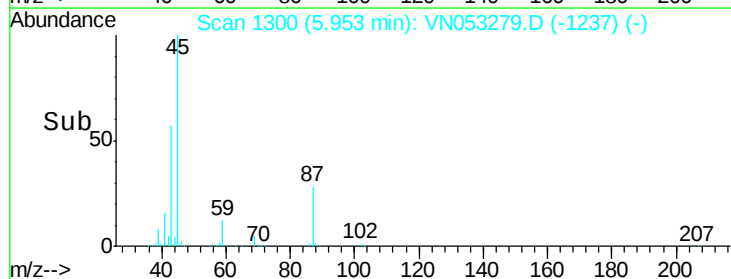
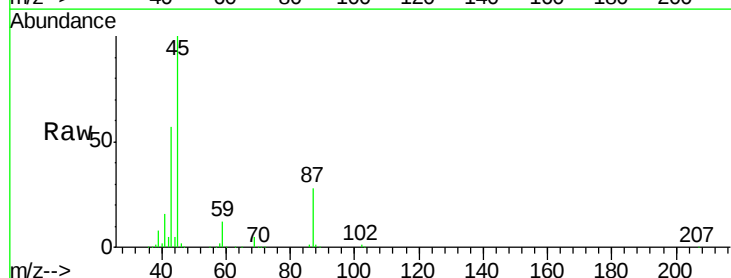
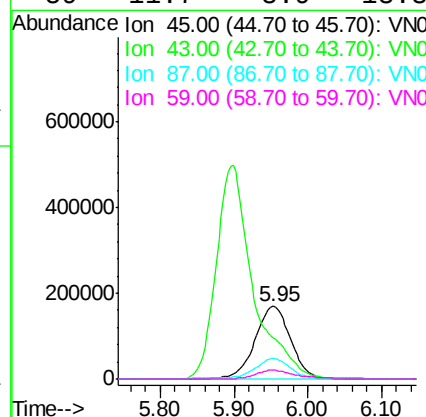
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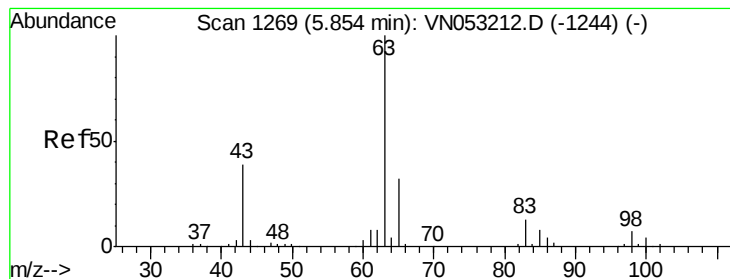
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#20
Diisopropyl ether
Concen: 19.354 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.3	47.8	71.8
87	27.6	21.3	31.9
59	11.7	8.9	13.3





#21

1,1-Dichloroethane

Concen: 19.134 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

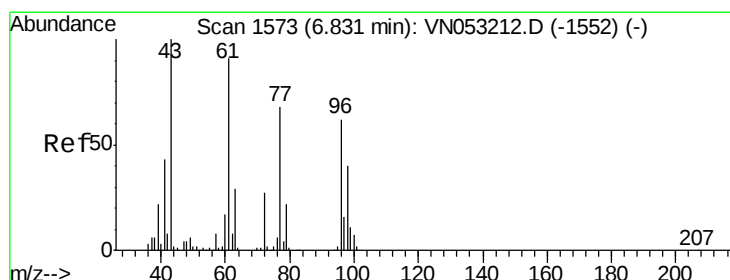
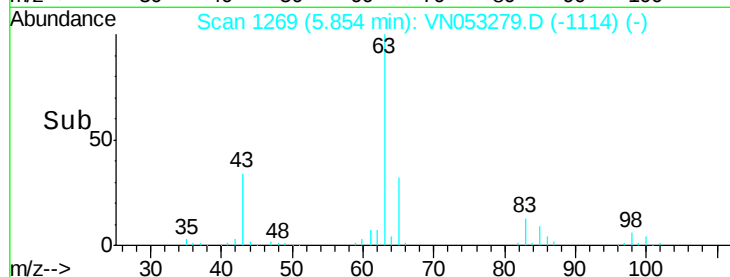
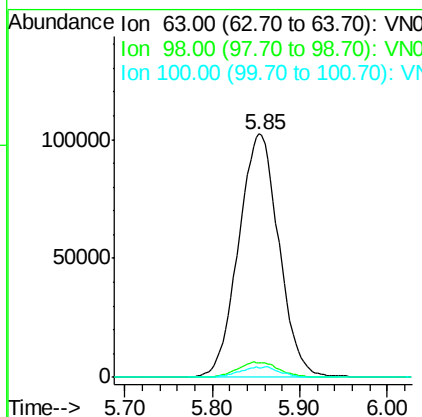
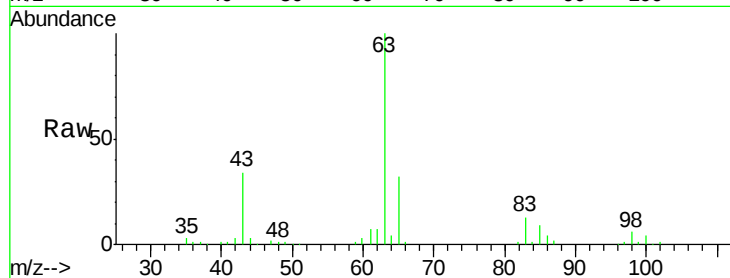
ClientSampleId :

VN0104WBS01

Tot Ion:	63	Resp:	327446
Ion Ratio	Lower	Upper	
63	100		
98	6.2	3.0	9.2
100	4.0	1.8	5.5

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#22

cis-1,2-Dichloroethene

Concen: 19.257 ug/l

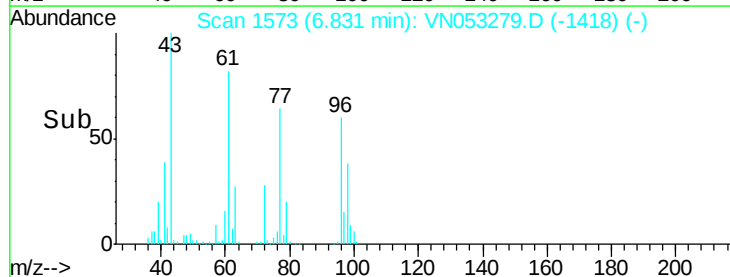
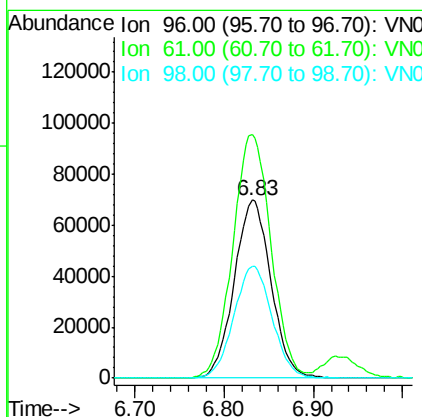
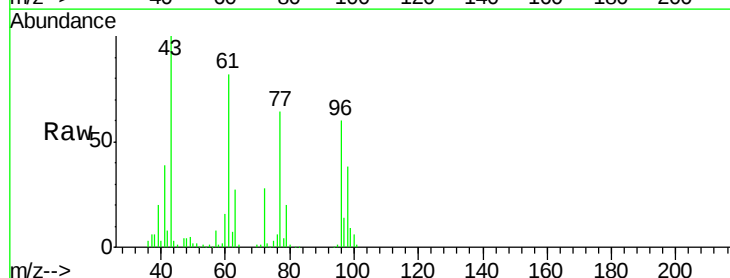
RT: 6.83 min Scan# 1573

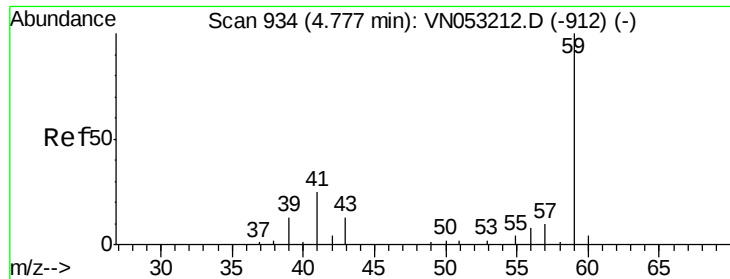
Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Tgt Ion:	96	Resp:	200002
Ion Ratio	Lower	Upper	
96	100		
61	142.0	116.7	175.1
98	65.3	50.8	76.2





#23

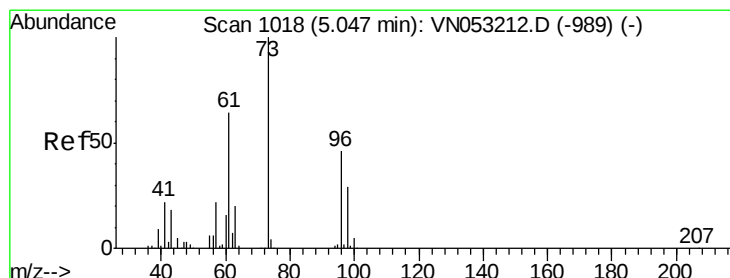
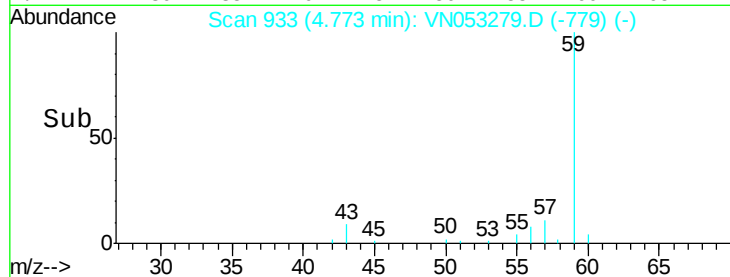
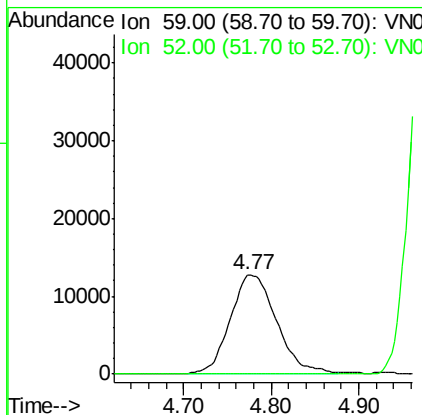
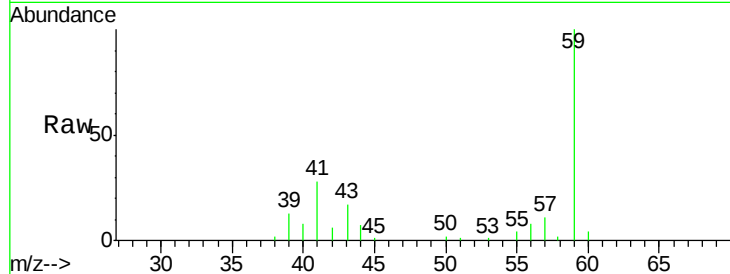
tert-Butyl Alcohol
 Concen: 91.808 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0104WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
52	52	0.0	0.0	0.0

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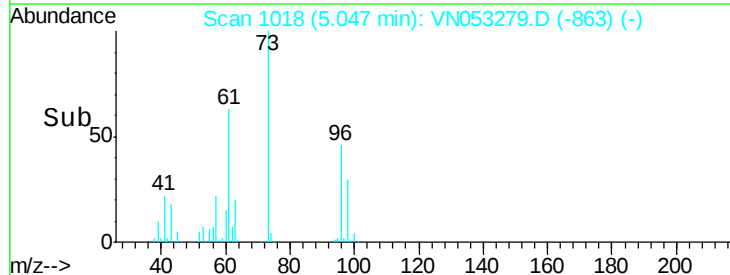
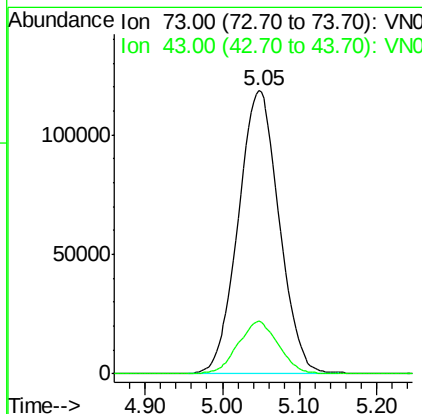
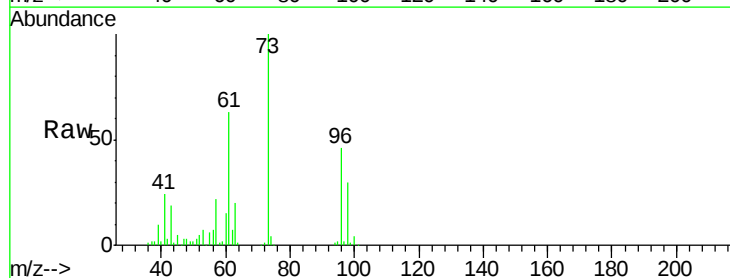
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 1/7/2019 11:09:57 AM

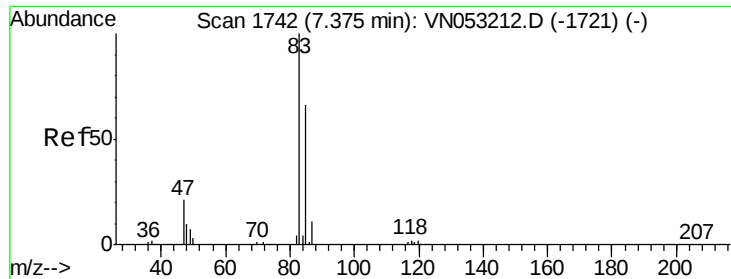


#24

Methyl tert-Butyl Ether
 Concen: 19.185 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	18.1	15.8	23.8





#25

Chloroform

Concen: 19.695 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0104WBS01

Tot Ion: 83 Resp: 323980

Ion Ratio Lower Upper

83 100

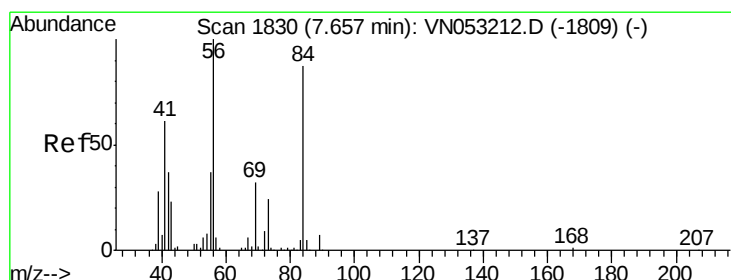
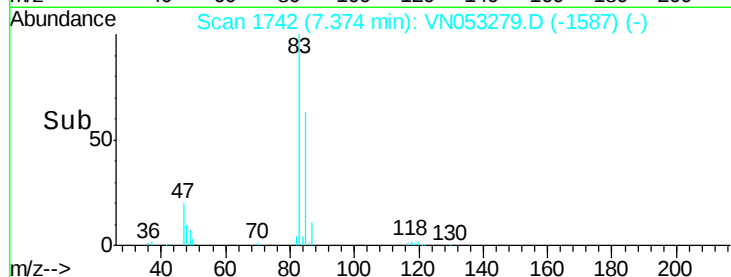
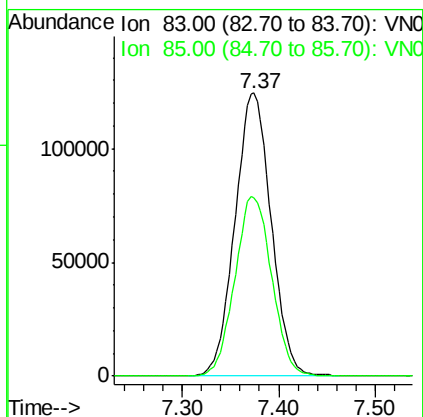
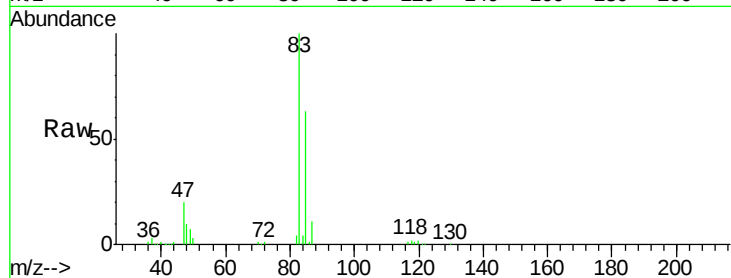
85 63.2 51.7 77.5

Manual Integrations

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#26

Cyclohexane

Concen: 18.316 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

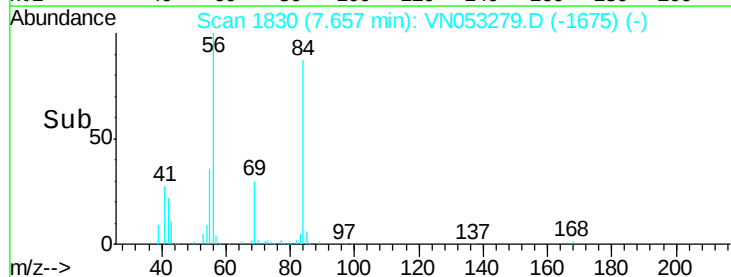
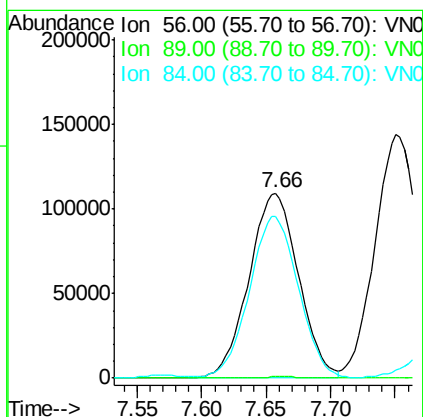
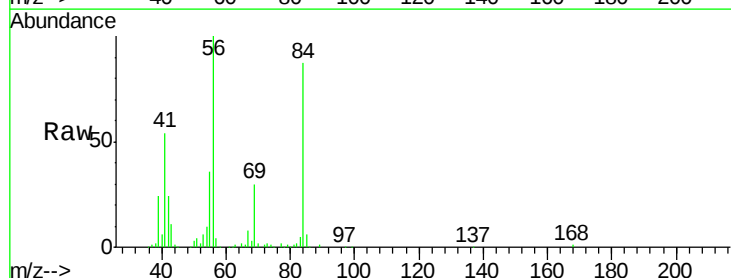
Tgt Ion: 56 Resp: 292352

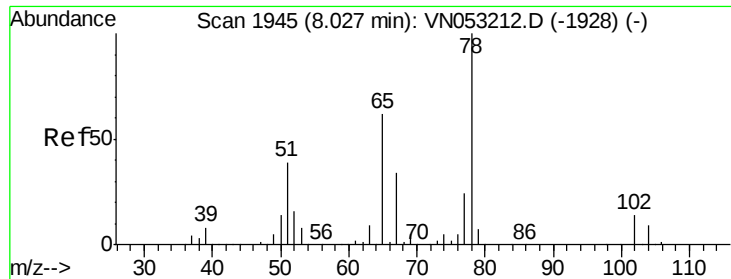
Ion Ratio Lower Upper

56 100

89 0.3 0.5 0.7#

84 85.7 66.2 99.2





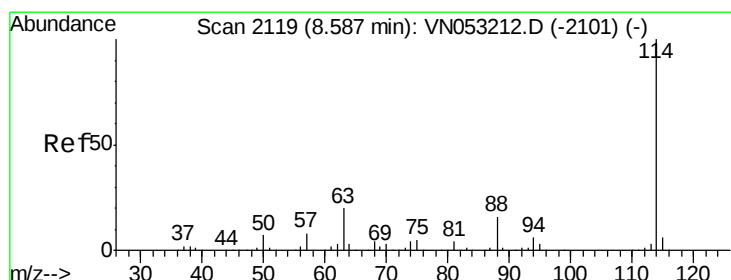
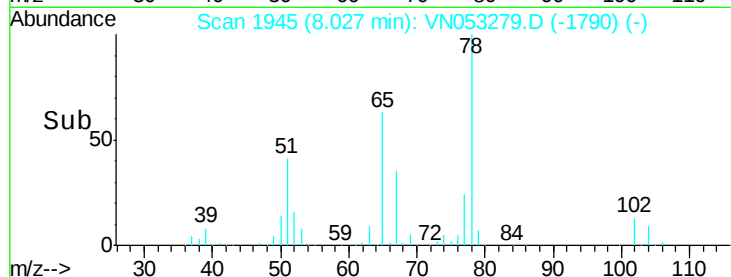
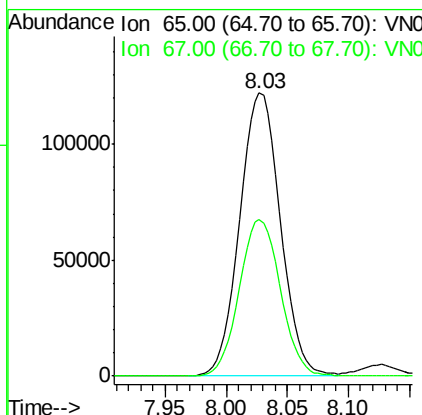
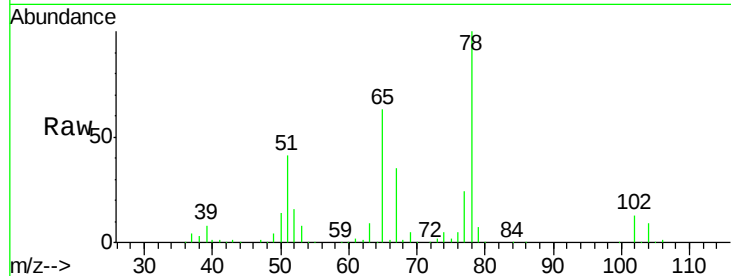
#27
 1,2-Dichloroethane-d4
 Concen: 18.316 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0104WBS01

Tot Ion: 65 Resp: 281975
 Ion Ratio Lower Upper
 65 100
 67 55.9 44.6 66.8

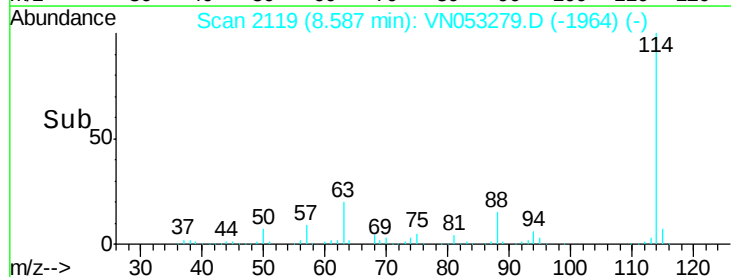
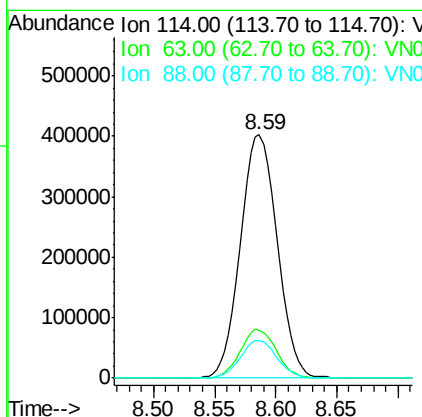
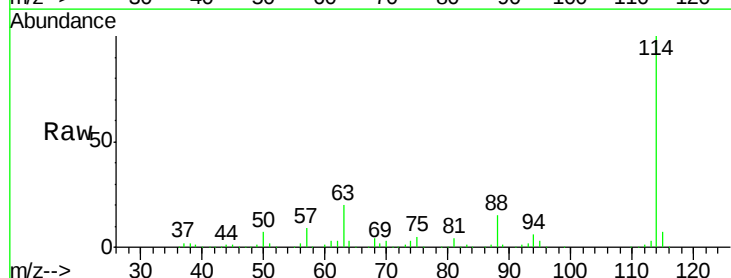
Manual Integrations
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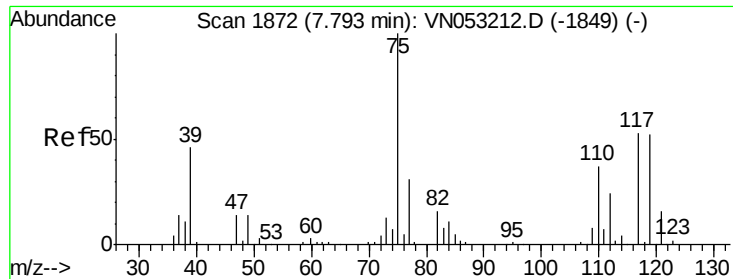
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion: 114 Resp: 840786
 Ion Ratio Lower Upper
 114 100
 63 19.7 16.9 25.3
 88 15.2 12.8 19.2





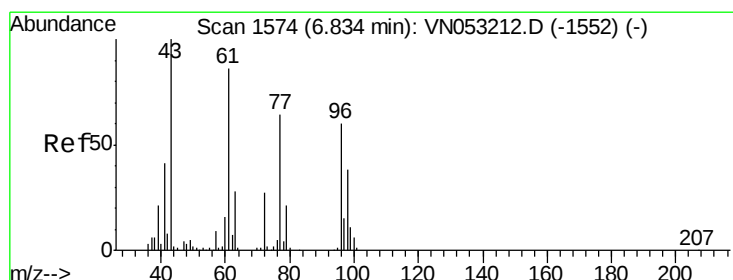
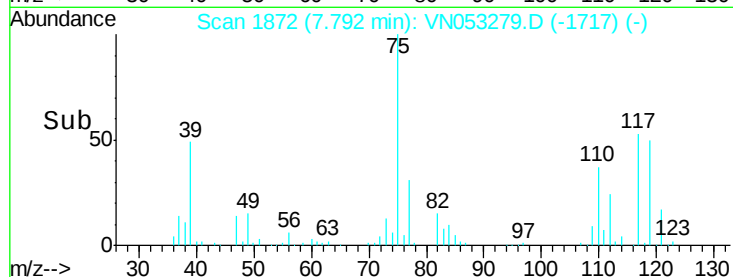
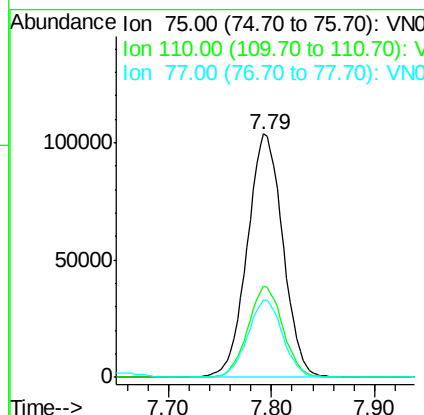
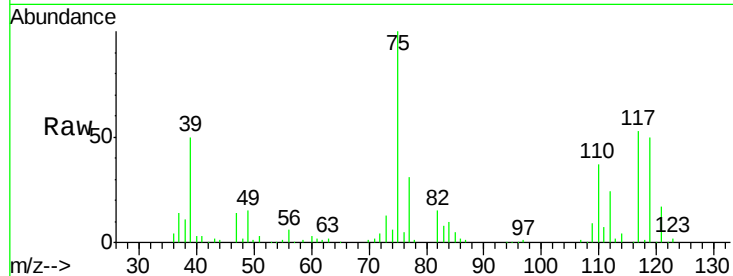
#29
 1,1-Dichloropropene
 Concen: 19.540 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0104WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.6	0.0	70.2
77	31.4	0.0	62.6

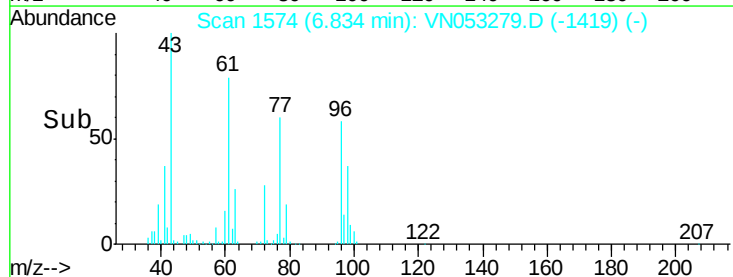
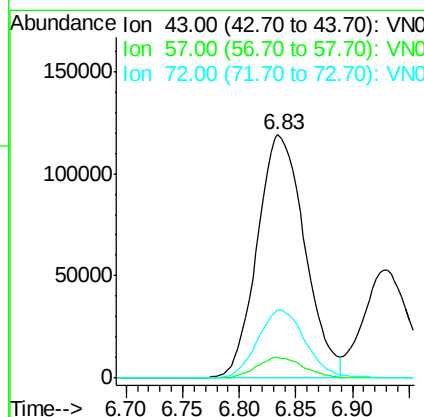
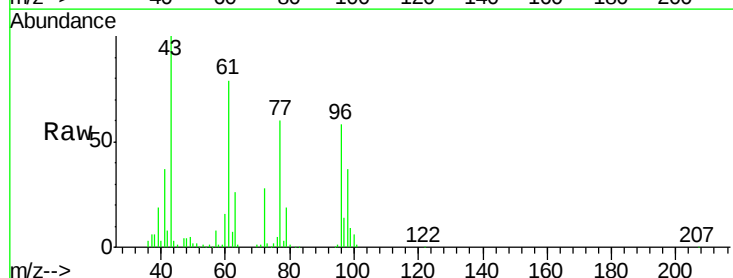
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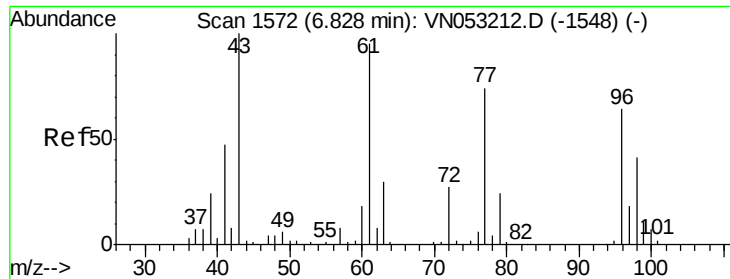
MMDadoda
 1/7/2019 11:09:57 AM



#30
 2-Butanone
 Concen: 108.910 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.5	6.2	9.4
72	28.4	21.0	31.6





#31

2,2-Dichloropropane

Concen: 19.243 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

Tot Ion: 77 Resp: 237252

Ion Ratio Lower Upper

77 100

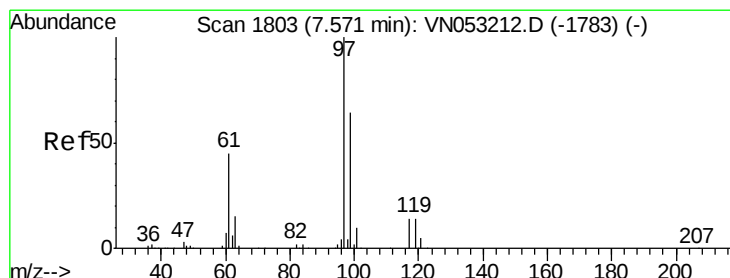
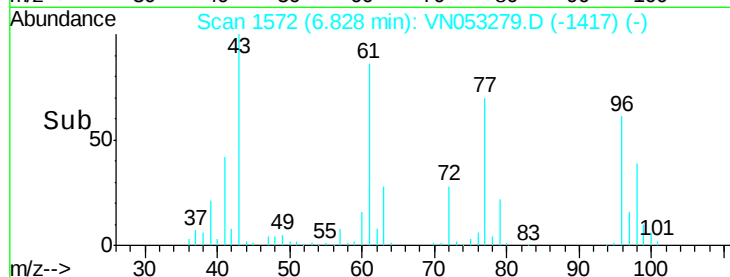
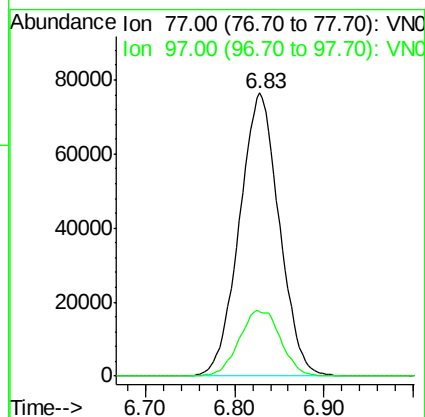
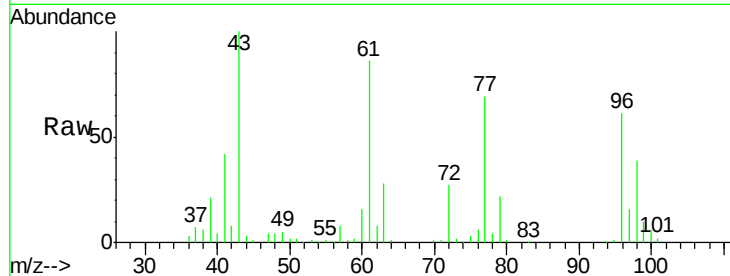
97 13.9 18.7 28.1#

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.959 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

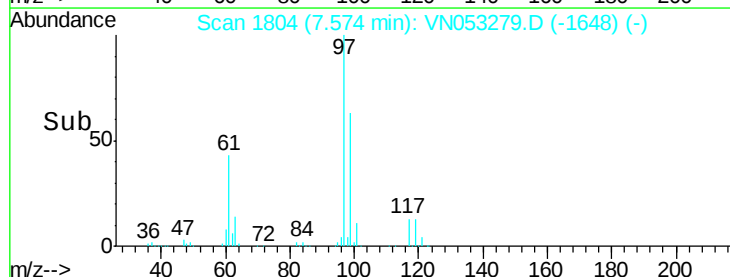
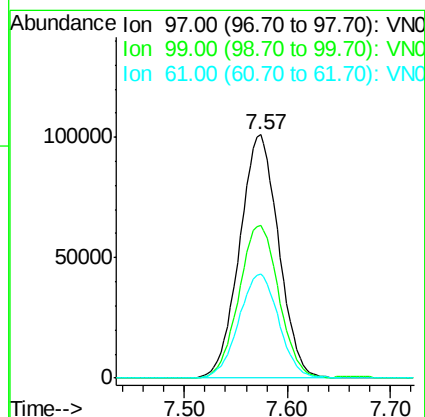
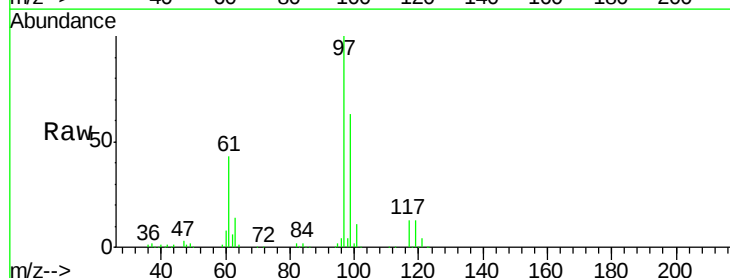
Tgt Ion: 97 Resp: 266327

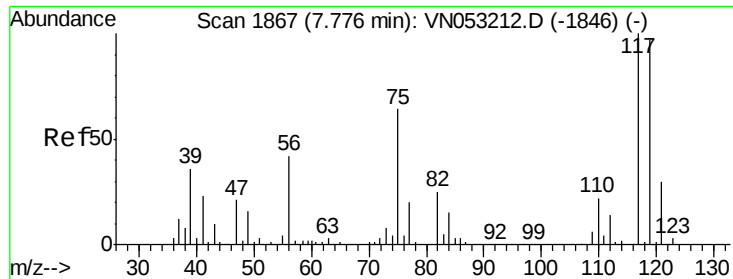
Ion Ratio Lower Upper

97 100

99 64.0 50.9 76.3

61 43.8 38.1 57.1





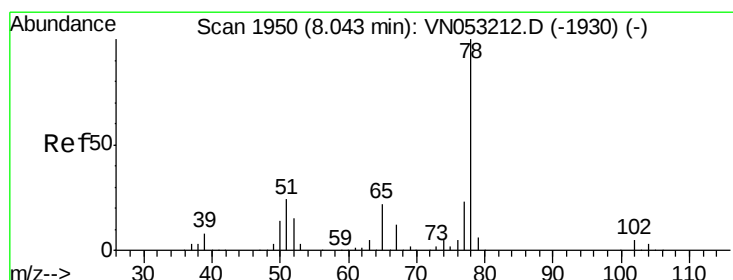
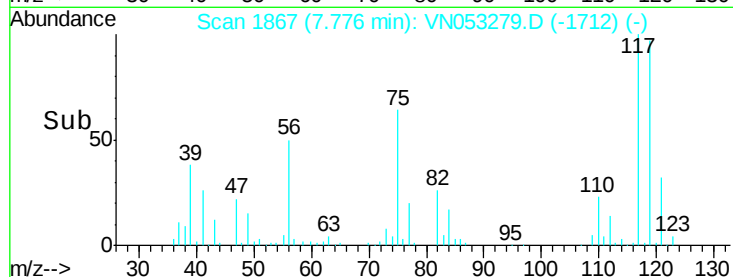
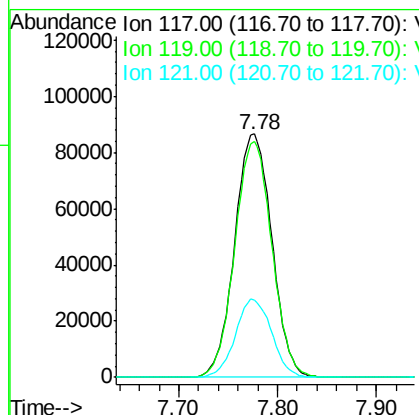
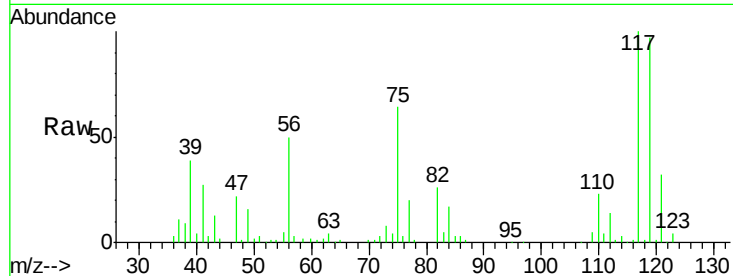
#33
Carbon Tetrachloride
Concen: 19.445 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	227122		
119	96.8	77.3	115.9	
121	31.9	24.9	37.3	

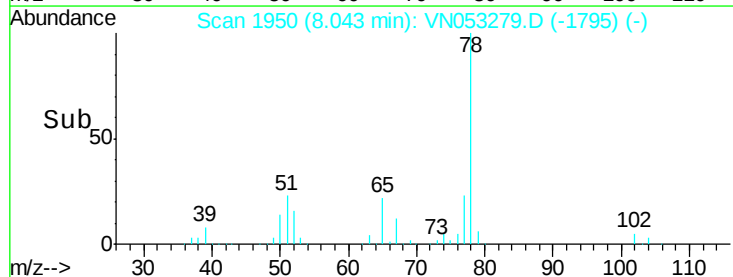
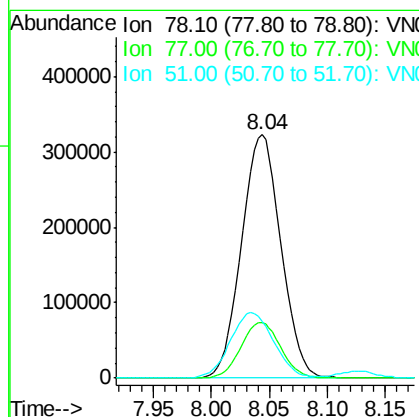
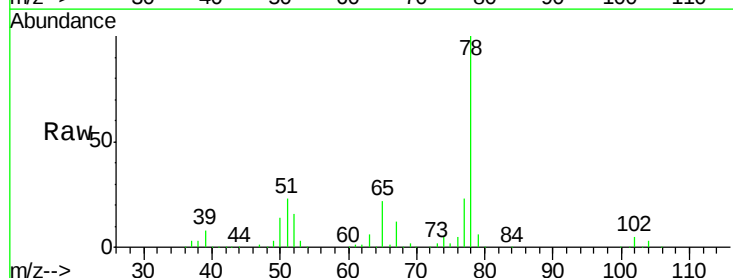
Manual Integrations
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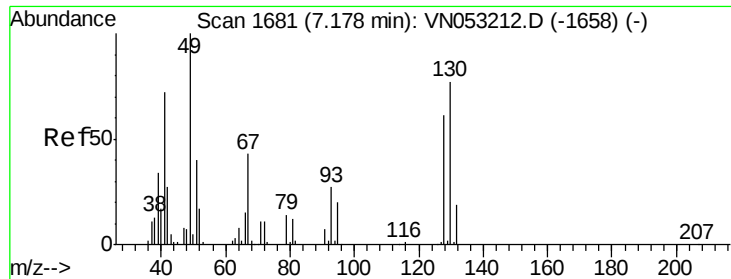
MMDadoda
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#34
Benzene
Concen: 19.960 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	763955		
77	22.7	19.0	28.6	
51	23.2	20.5	30.7	





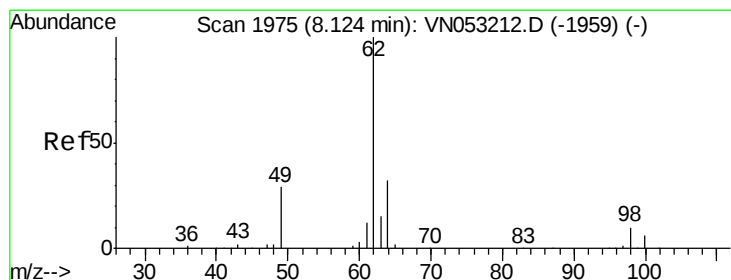
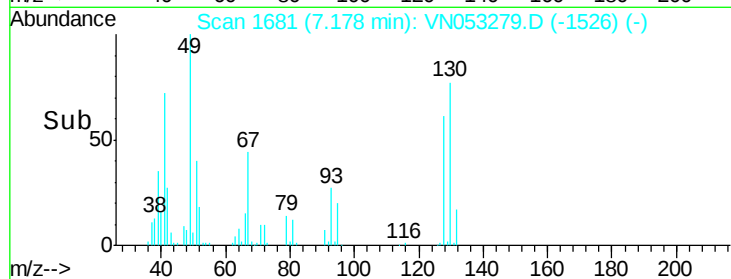
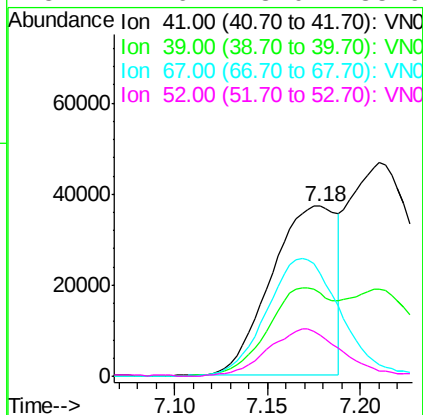
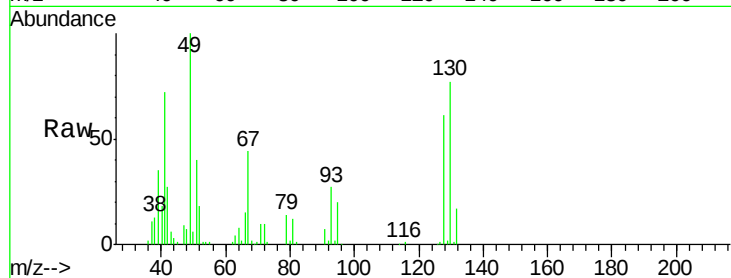
#35
Methacrylonitrile
Concen: 22.172 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VN0104WBS01

Tot Ion	41	Resp	90906
Ion	Ratio	Lower	Upper
41	100		
39	49.0	26.6	79.7
67	60.8	32.3	96.9
52	24.6	13.0	38.9

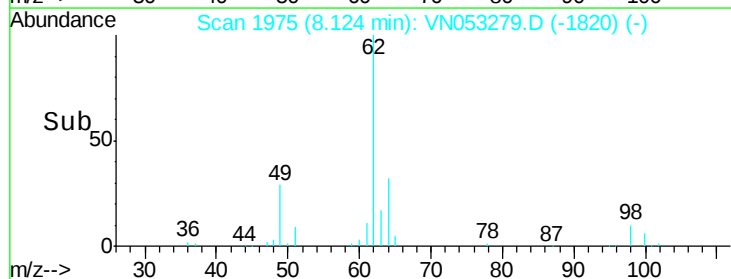
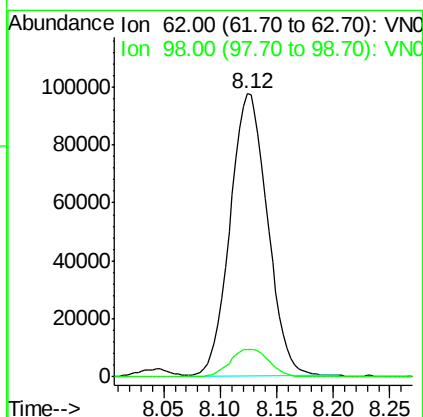
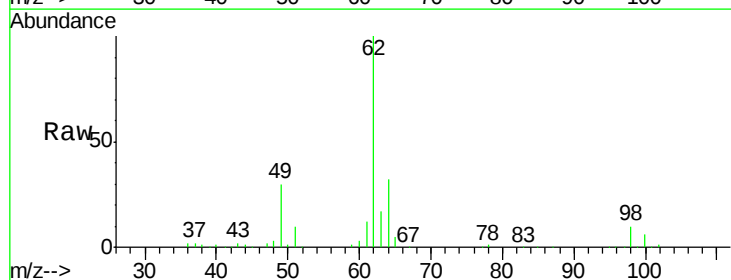
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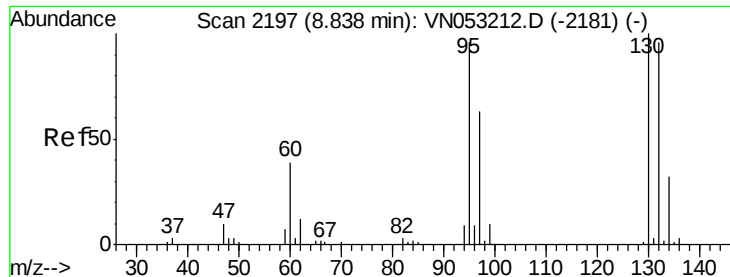
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1/7/2019 11:09:57 AM



#36
1,2-Dichloroethane
Concen: 20.222 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	62	Resp	224698
Ion	Ratio	Lower	Upper
62	100		
98	10.2	7.4	11.2





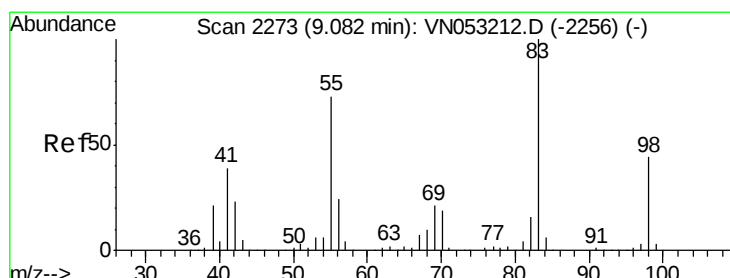
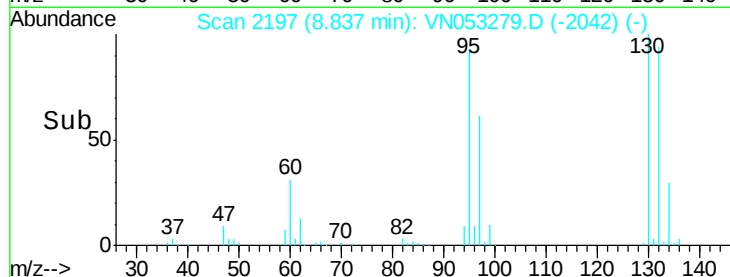
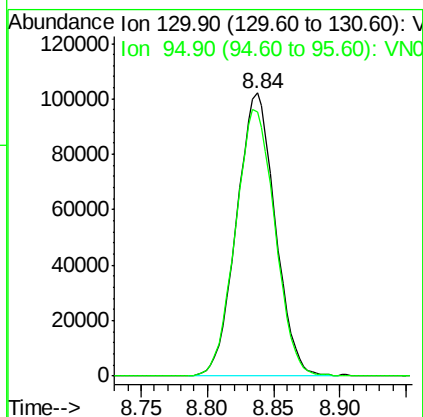
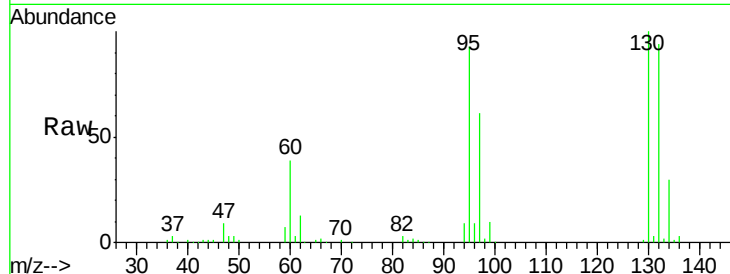
#37
 Trichloroethene
 Concen: 19.940 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

Tot Ion:130 Resp: 206749
 Ion Ratio Lower Upper
 130 100
 95 93.5 81.0 121.4

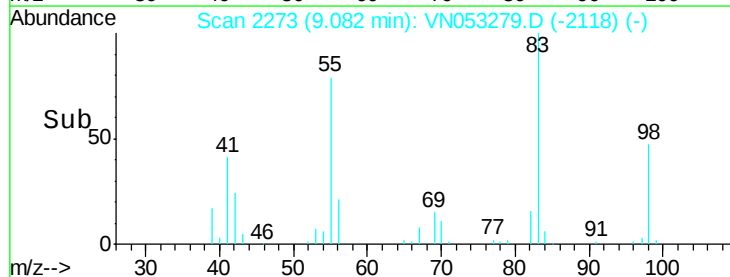
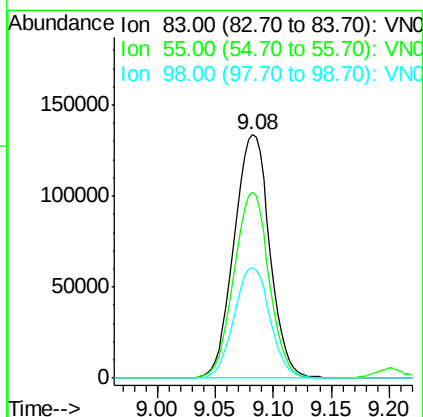
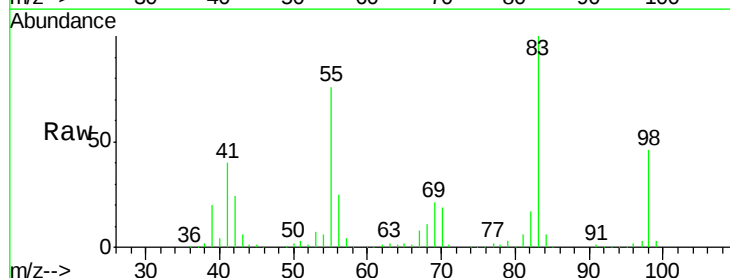
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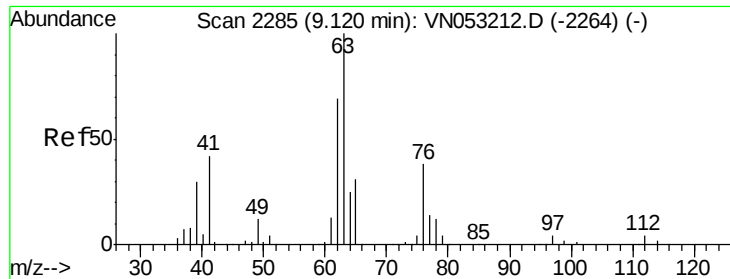
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 1/7/2019 11:09:57 AM



#38
 Methylcyclohexane
 Concen: 19.209 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion: 83 Resp: 286145
 Ion Ratio Lower Upper
 83 100
 55 74.8 39.8 119.4
 98 45.5 22.9 68.5





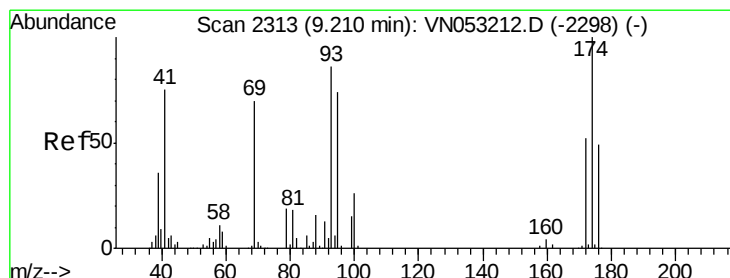
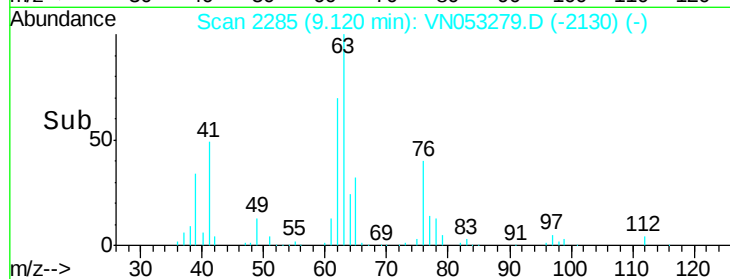
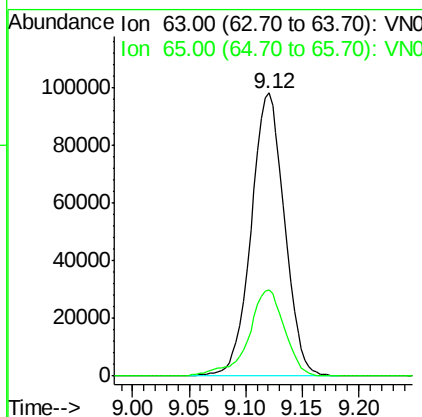
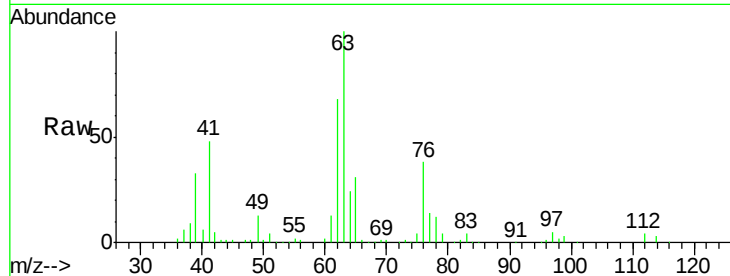
#39
 1,2-Dichloropropane
 Concen: 20.078 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0104WBS01

Tot Ion: 63 Resp: 200674
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.6 35.4

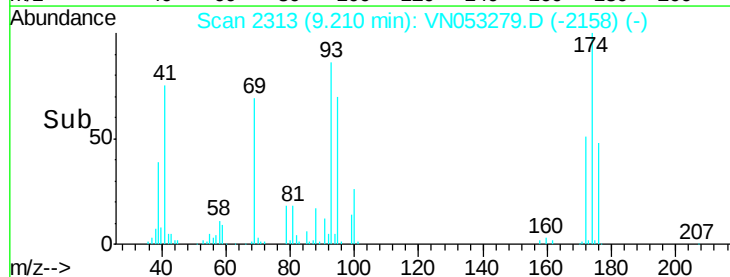
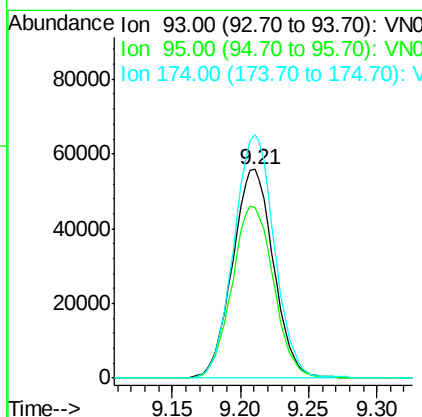
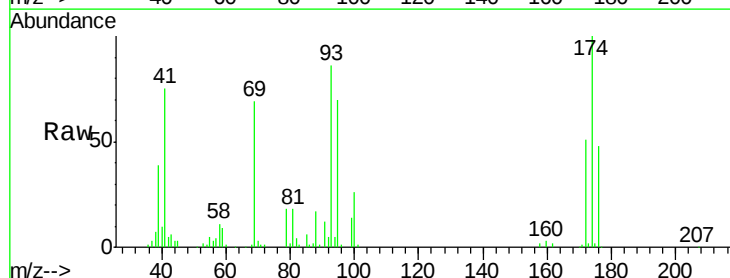
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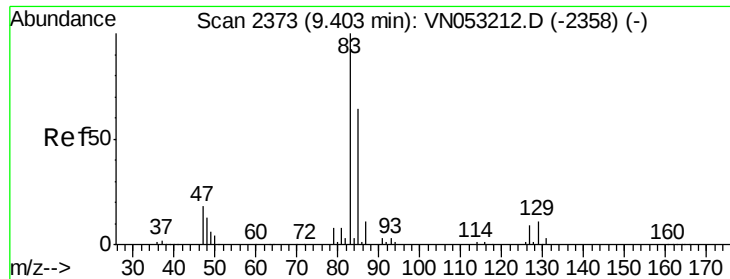
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#40
 Dibromomethane
 Concen: 20.633 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion: 93 Resp: 116626
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 168.4
 174 114.8 0.0 210.0





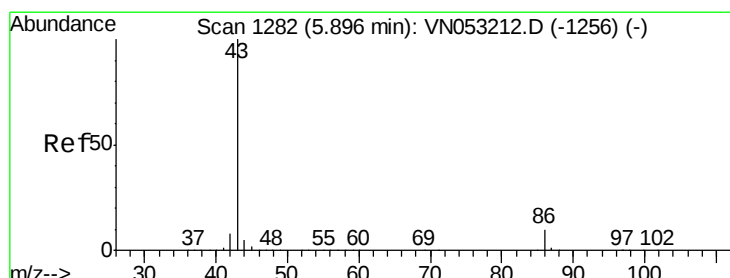
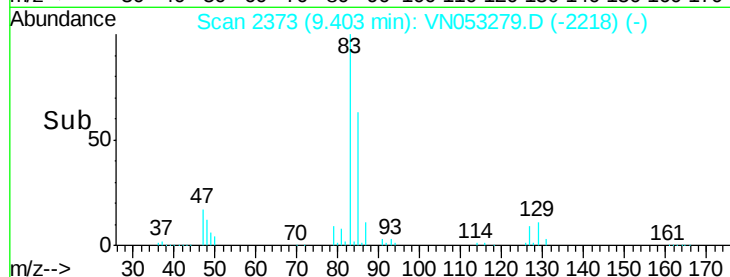
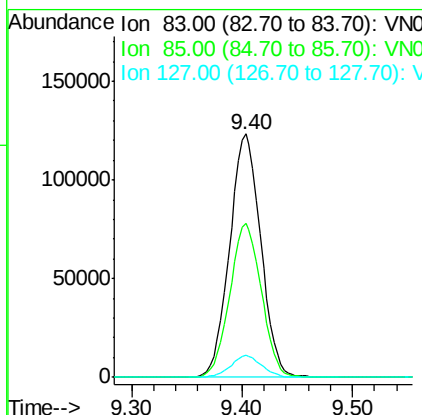
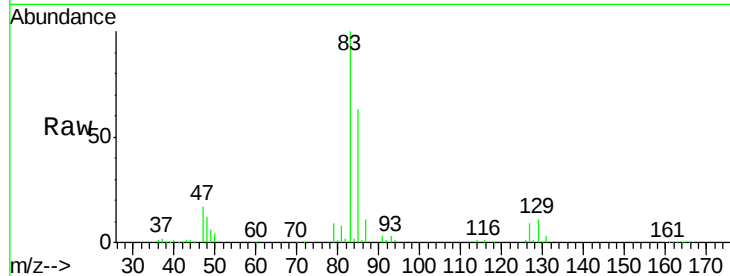
#41
 Bromodichloromethane
 Concen: 19.894 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

Tot Ion	83	Resp	241481
Ion Ratio	Lower	Upper	
83	100		
85	63.3	52.4	78.6
127	9.0	6.6	9.8

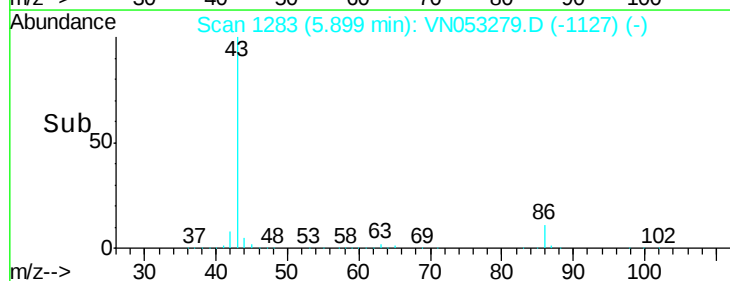
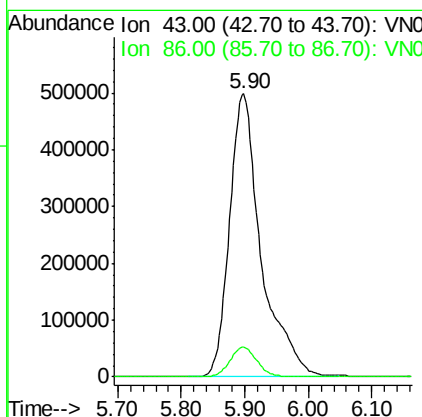
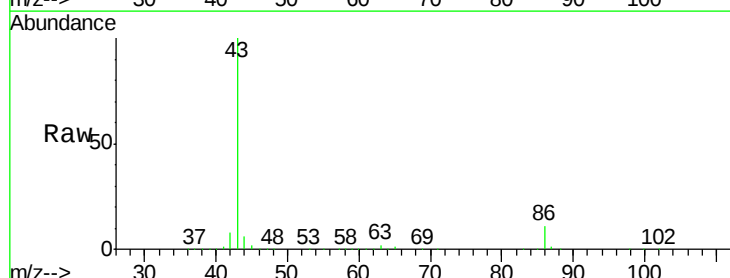
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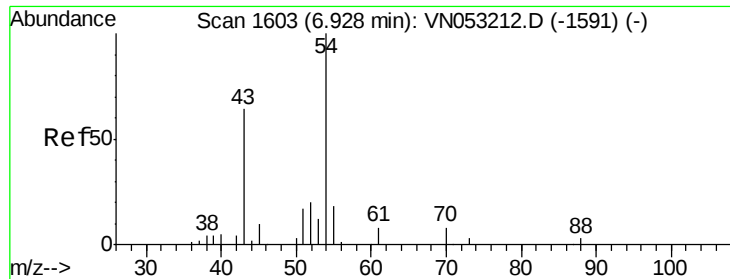
MMDadoda
 1/7/2019 11:09:57 AM



#42
 Vinyl Acetate
 Concen: 99.599 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion	43	Resp	1726528
Ion Ratio	Lower	Upper	
43	100		
86	9.0	6.5	9.7





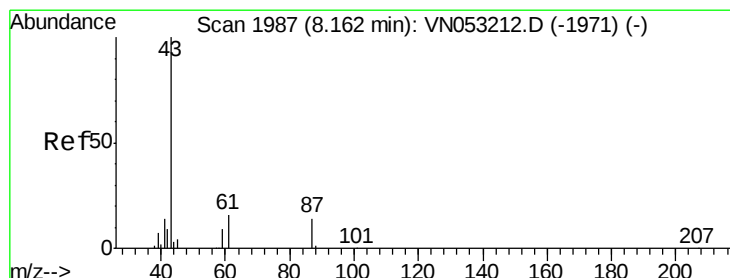
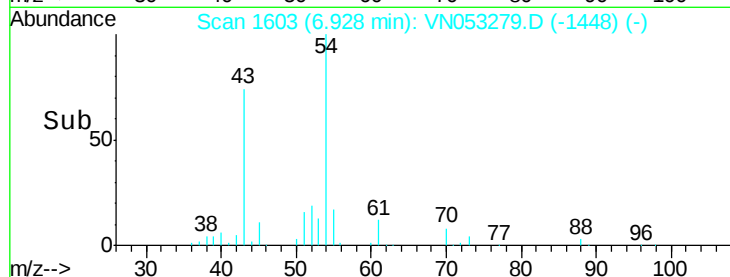
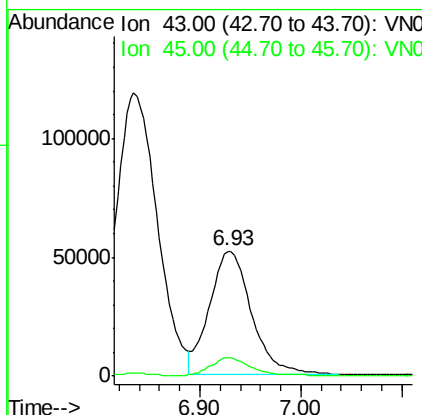
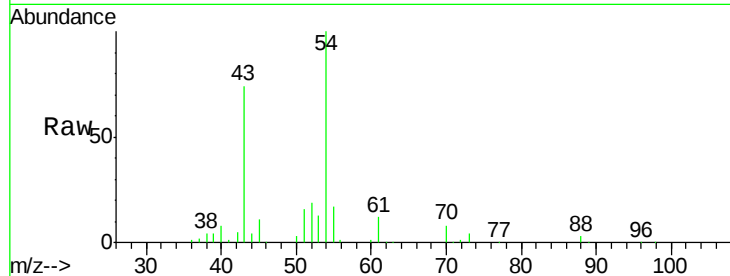
#43
Ethyl Acetate
Concen: 21.457 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

Tot Ion	43	45	Ratio	Lower	Upper
152258	100	13.8		1.0	1.6#

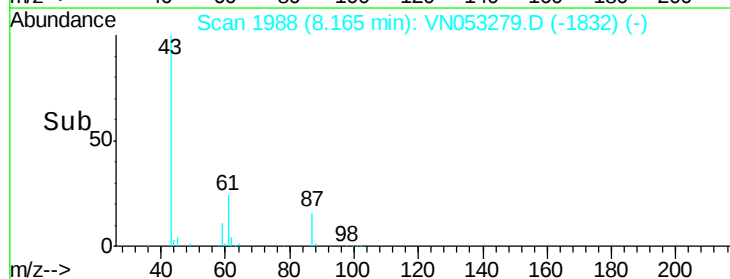
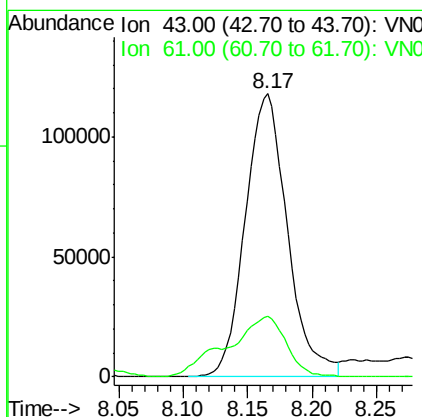
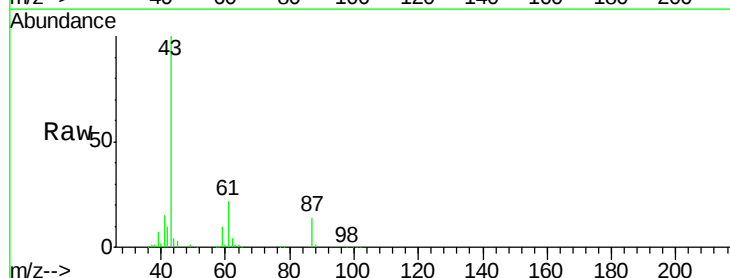
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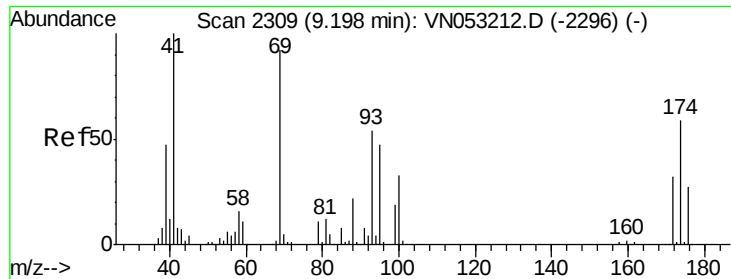
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#44
Isopropyl Acetate
Concen: 20.410 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	43	61	Ratio	Lower	Upper
269781	100	20.7		16.0	24.0





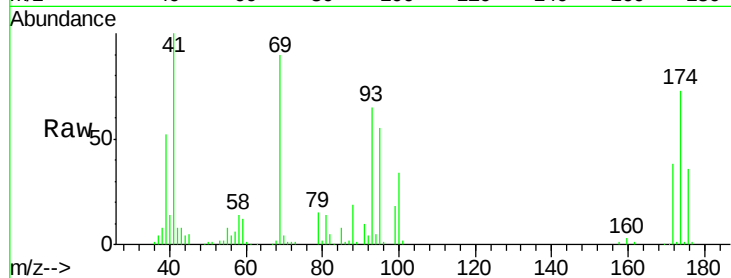
#45
 1,4-Dioxane
 Concen: 353.611 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

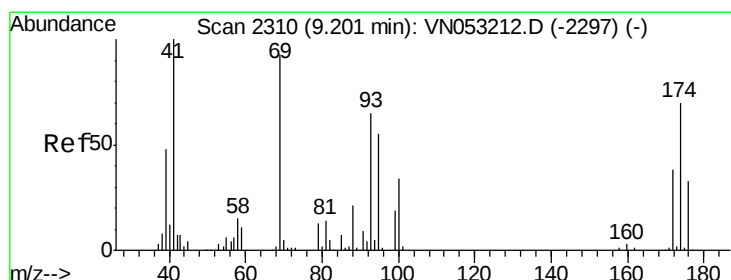
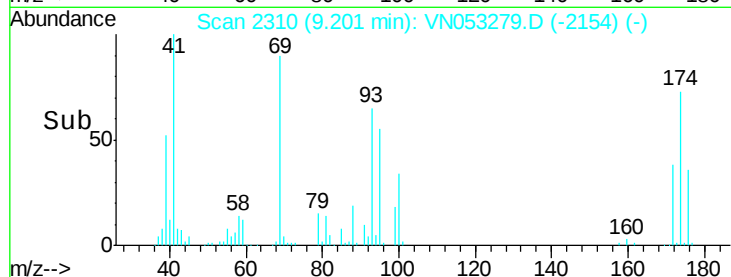
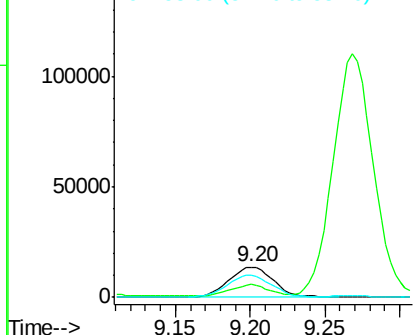
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	29.5	44.3
58	73.0	61.5	92.3

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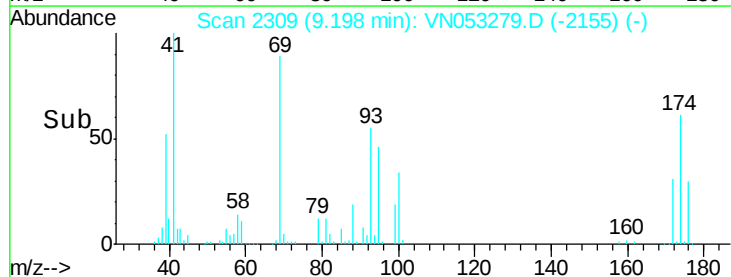
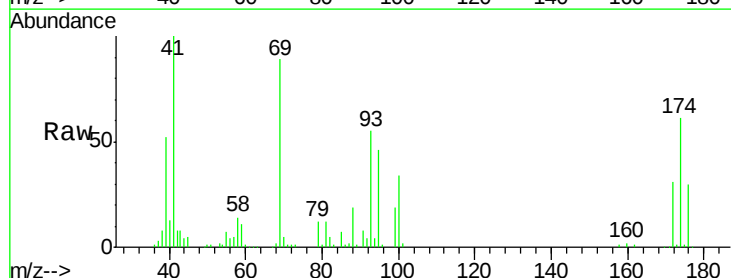
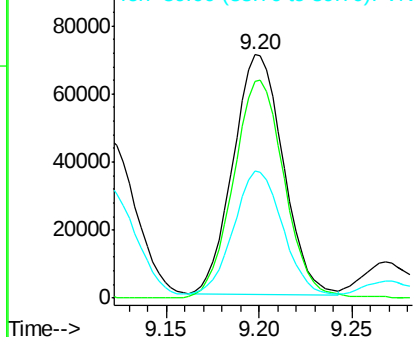
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

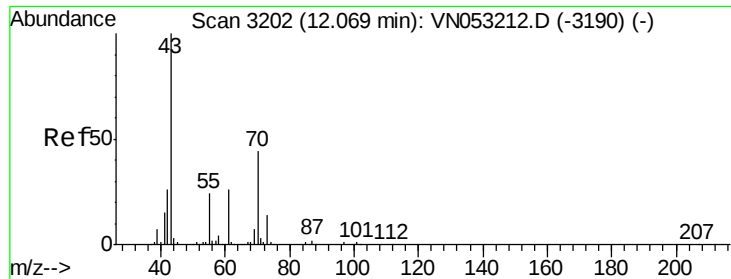


#46
 Methyl methacrylate
 Concen: 19.847 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.0	42.5	127.6
39	51.6	26.3	78.9

Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





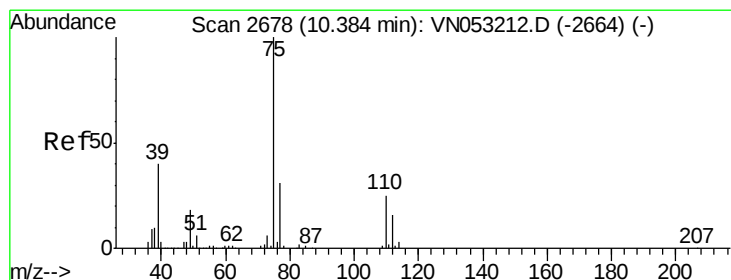
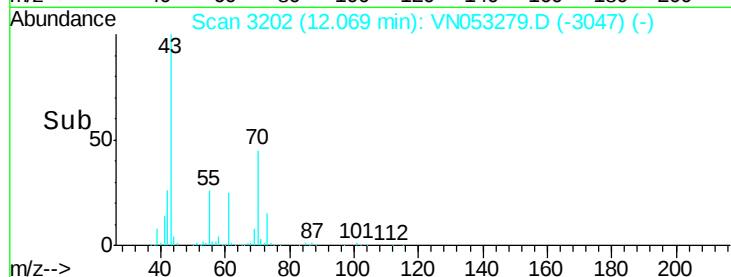
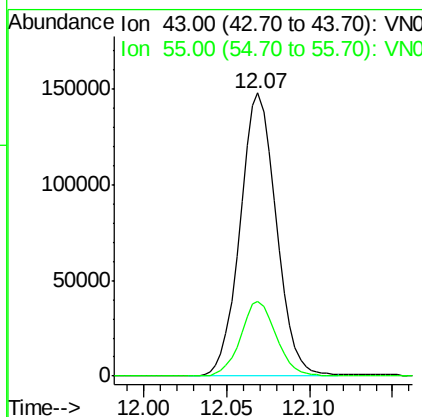
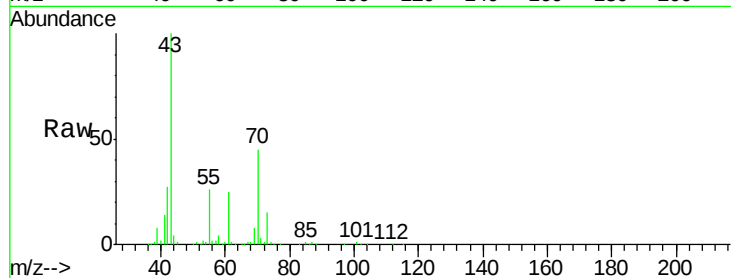
#47
n-amyl Acetate
Concen: 19.289 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

Tot Ion: 43 Resp: 223903
Ion Ratio Lower Upper
43 100
55 26.3 21.1 31.7

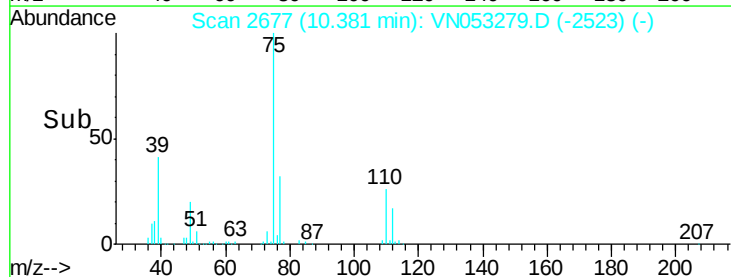
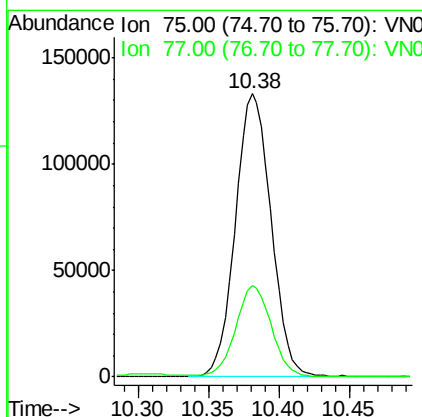
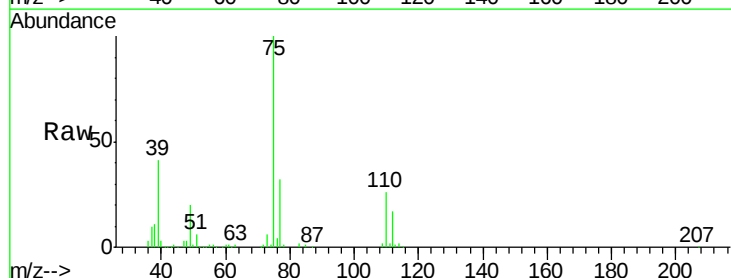
Manual Integrations
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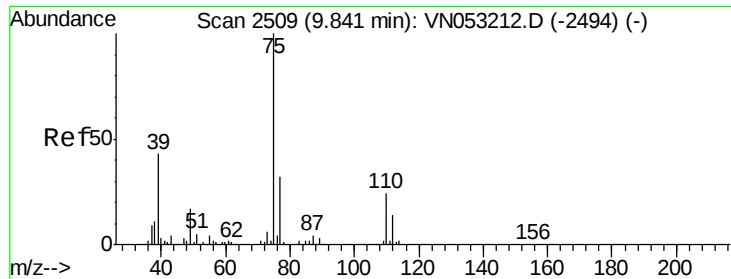
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#48
t-1,3-Dichloropropene
Concen: 19.098 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion: 75 Resp: 236602
Ion Ratio Lower Upper
75 100
77 32.0 25.6 38.4





#49

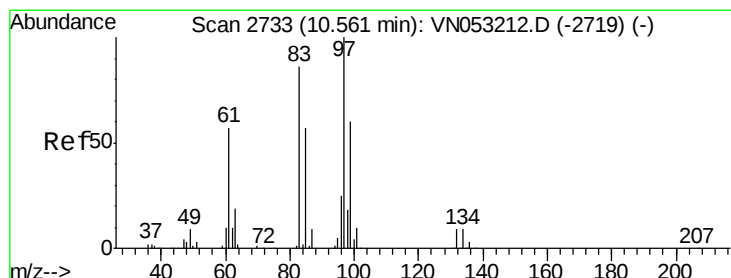
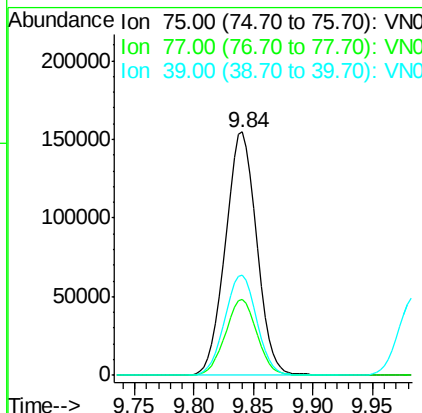
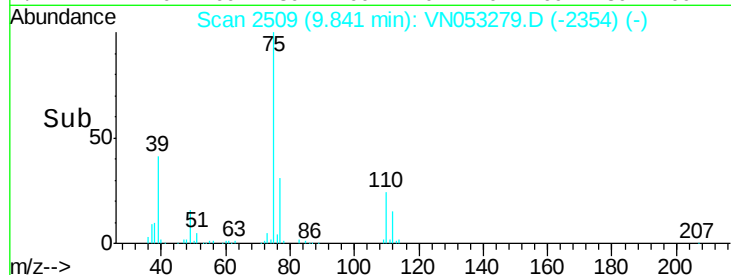
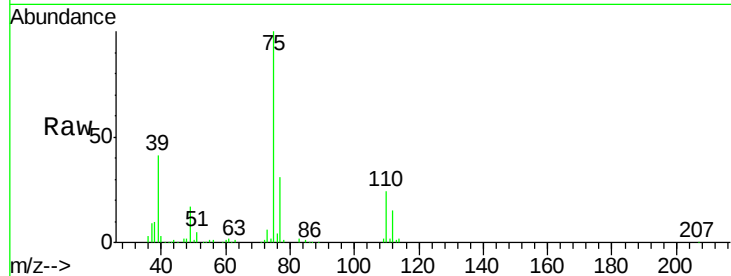
cis-1,3-Dichloropropene
Concen: 19.404 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	41.1	37.3	55.9

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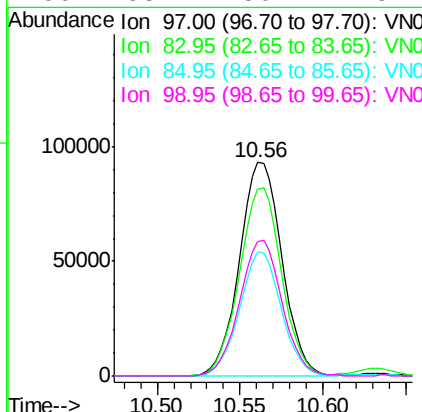
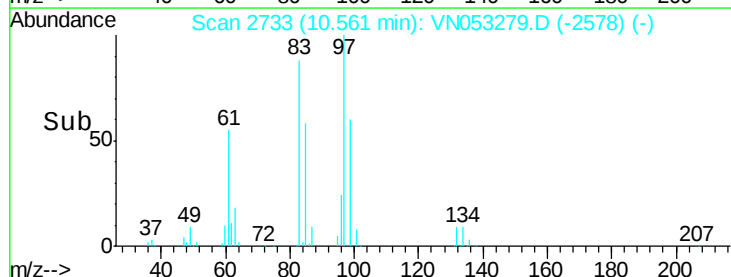
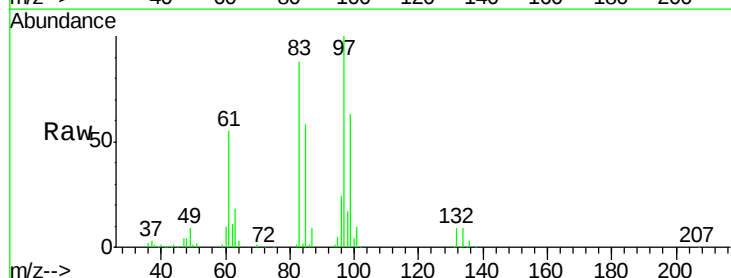
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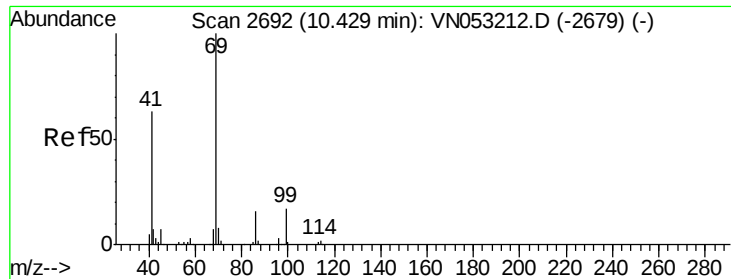


#50

1,1,2-Trichloroethane
Concen: 20.517 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.4	105.6
85	57.9	45.0	67.6
99	63.1	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.829 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

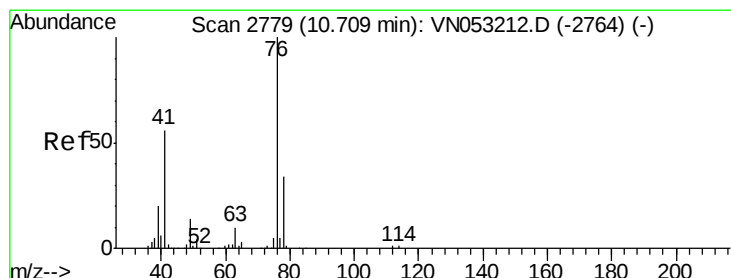
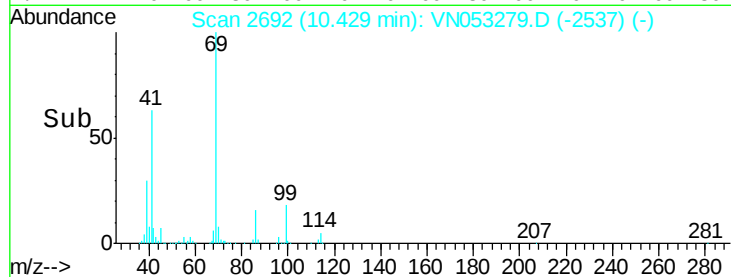
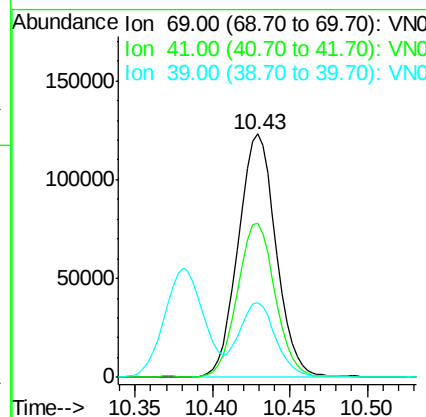
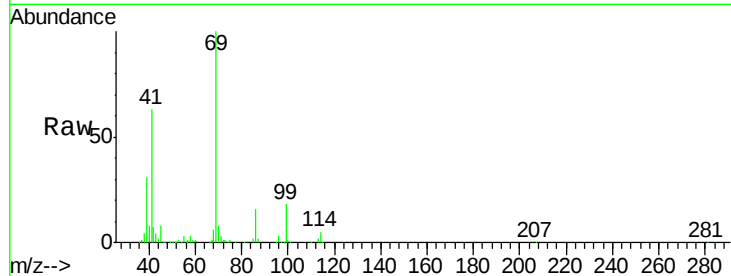
ClientSampled :

VN0104WBS01

Tot Ion:	69	Resp:	209445
Ion Ratio	Lower	Upper	
69	100		
41	63.3	34.4	103.3
39	30.4	16.4	49.2

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#52

1,3-Dichloropropane

Concen: 20.601 ug/l

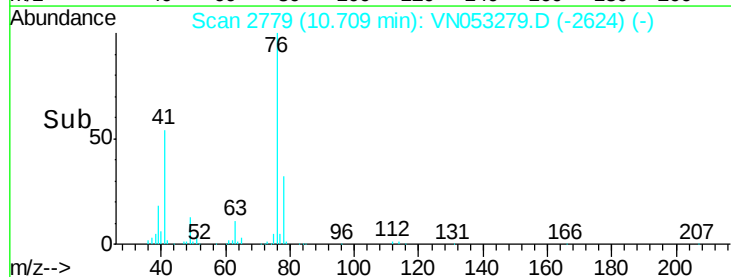
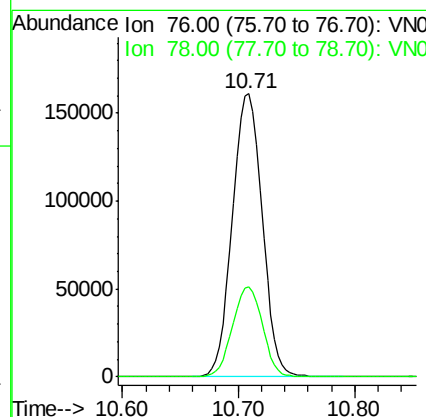
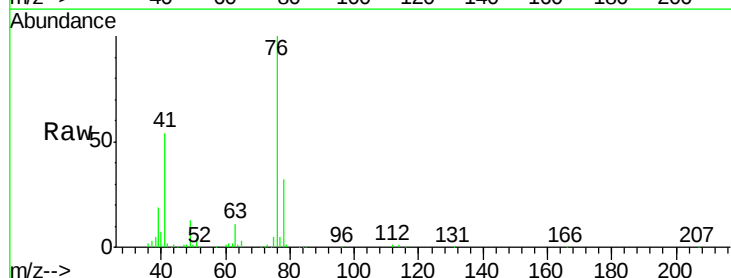
RT: 10.71 min Scan# 2779

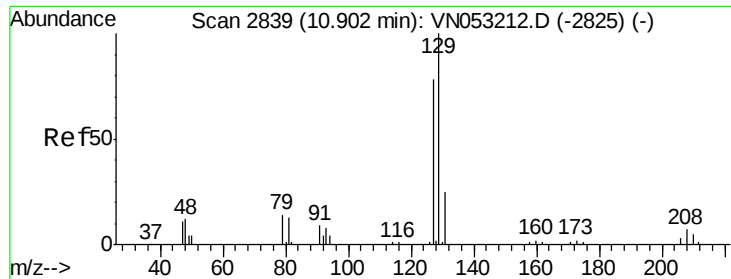
Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Tgt Ion:	76	Resp:	287614
Ion Ratio	Lower	Upper	
76	100		
78	31.9	0.0	64.8





#53

Dibromochloromethane

Concen: 19.773 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

Tot Ion:129 Resp: 179983

Ion Ratio Lower Upper

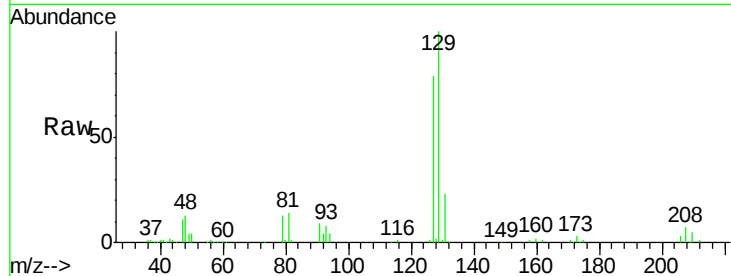
129 100

127 77.9 37.6 112.8

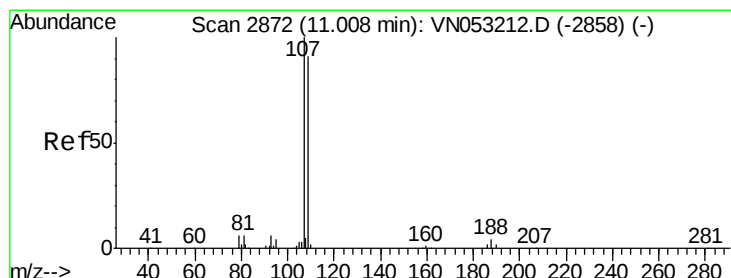
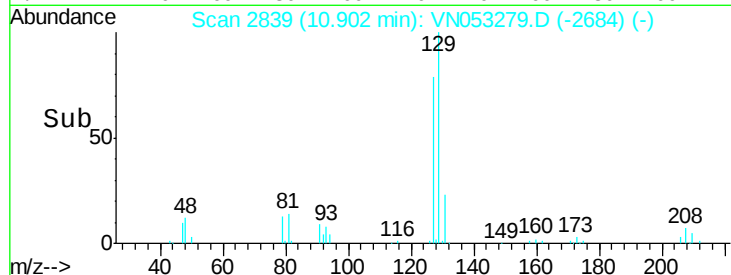
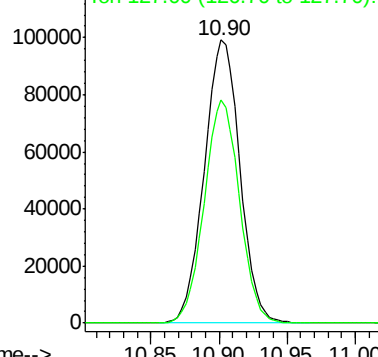
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Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.880 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053279.D

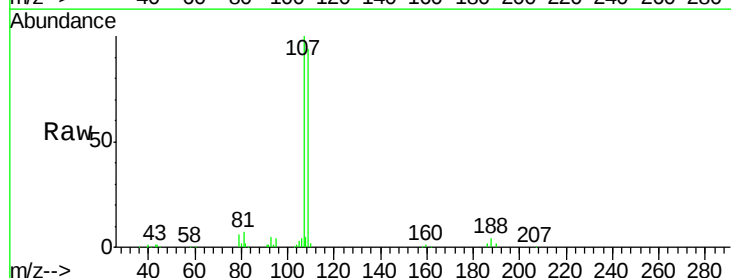
Acq: 4 Jan 2019 10:24

Tgt Ion:107 Resp: 162535

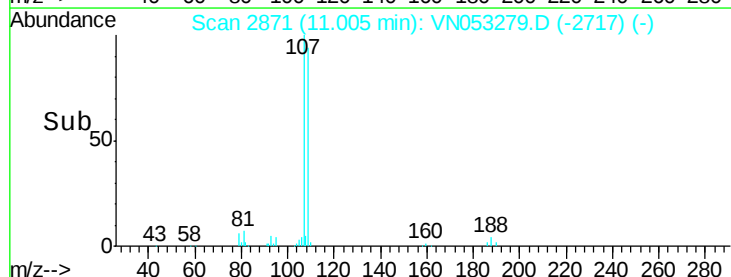
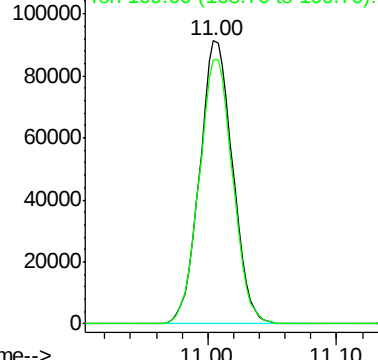
Ion Ratio Lower Upper

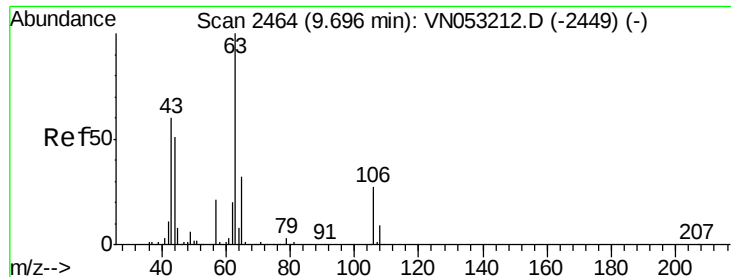
107 100

109 94.9 77.1 115.7



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 99.775 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

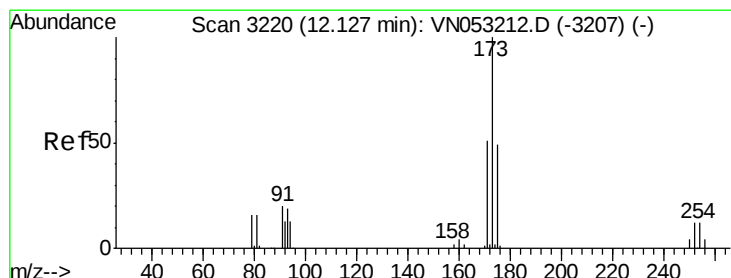
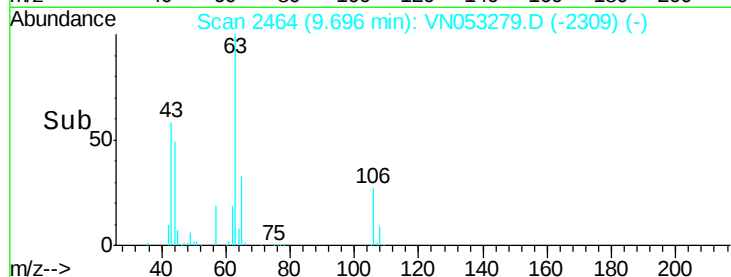
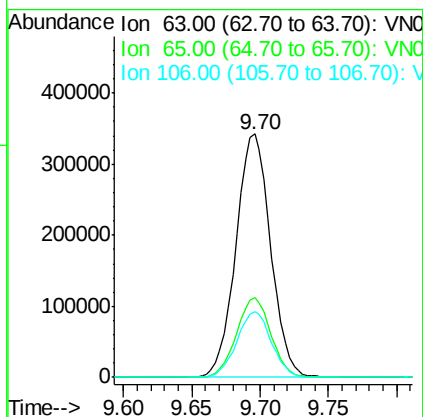
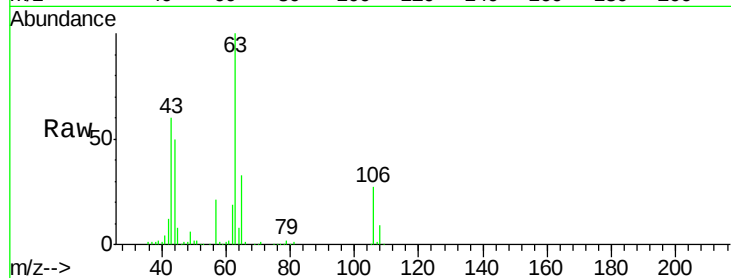
ClientSampled :

VN0104WBS01

Tot Ion:	63	Resp:	604801
Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.4	38.2
106	27.1	20.4	30.6

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#56

Bromoform

Concen: 19.403 ug/l

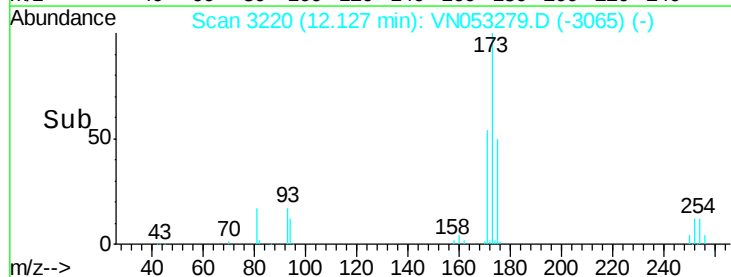
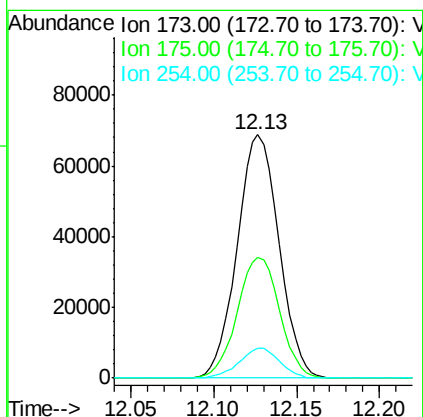
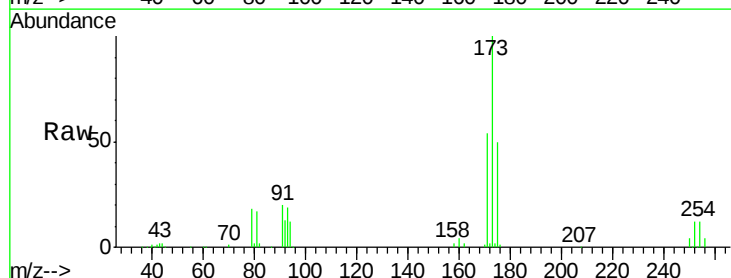
RT: 12.13 min Scan# 3220

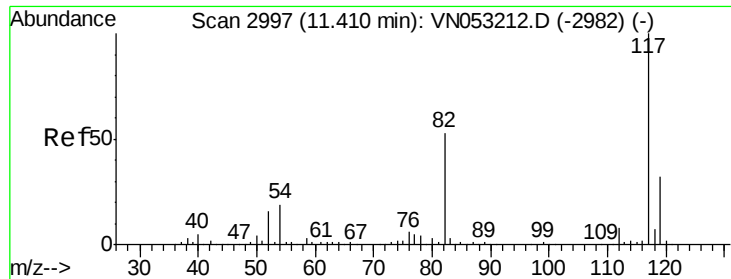
Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Tgt Ion:	173	Resp:	120816
Ion	Ratio	Lower	Upper
173	100		
175	50.0	38.7	58.1
254	11.7	8.4	12.6





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

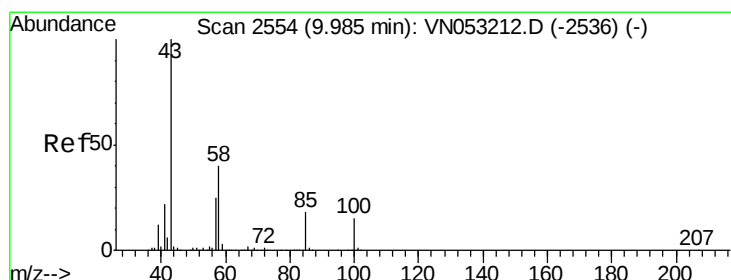
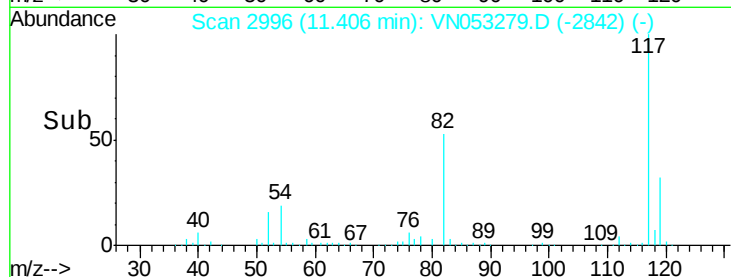
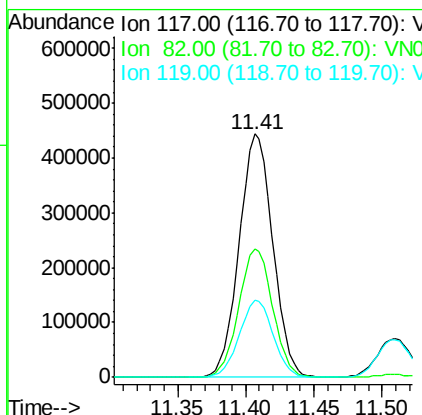
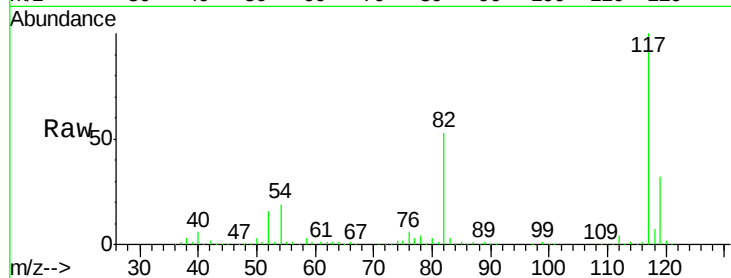
ClientSampled :

VN0104WBS01

Tot Ion:	117	Resp:	760607
Ion Ratio	Lower	Upper	
117	100		
82	53.2	44.2	66.2
119	31.8	25.4	38.2

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#58

4-Methyl-2-Pentanone

Concen: 104.718 ug/l

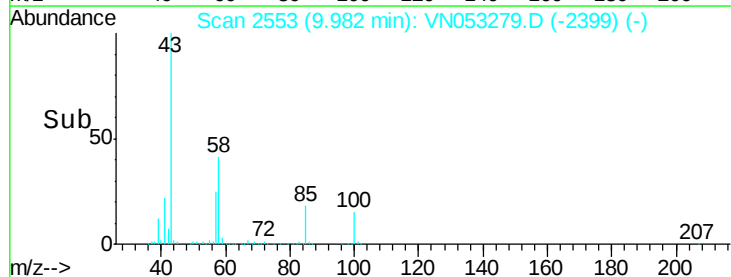
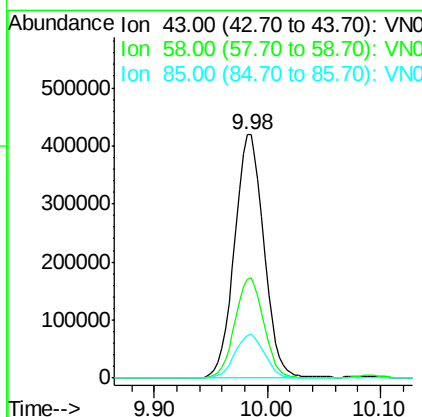
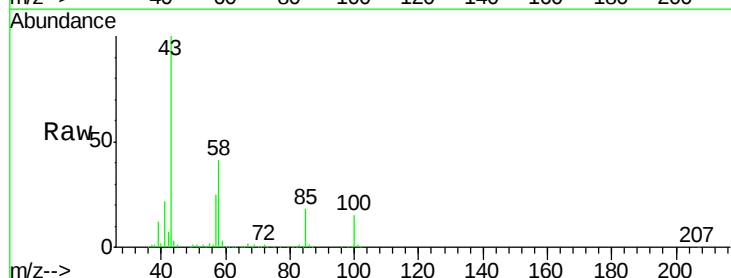
RT: 9.98 min Scan# 2553

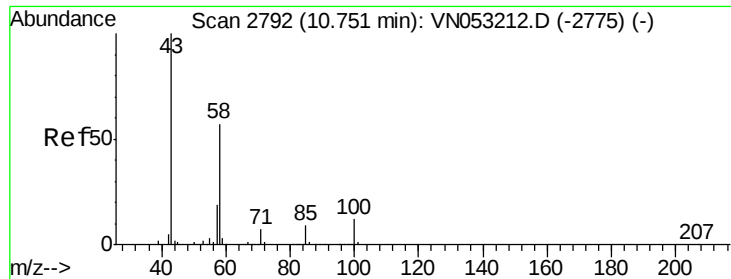
Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Tgt Ion:	43	Resp:	758972
Ion Ratio	Lower	Upper	
43	100		
58	40.7	31.6	47.4
85	18.1	13.3	19.9





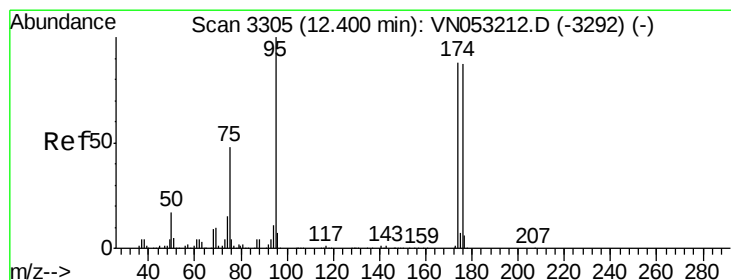
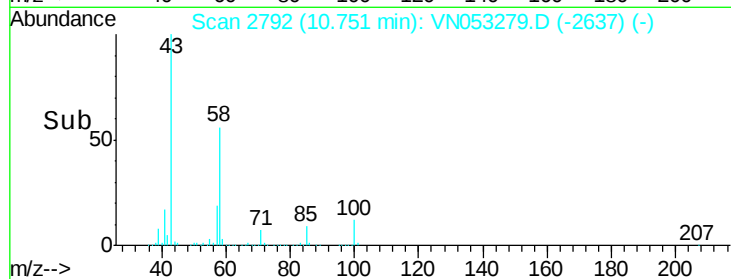
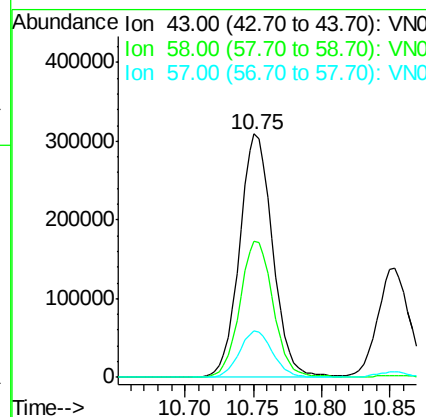
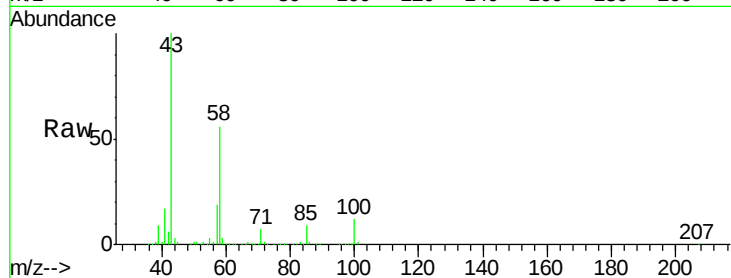
#59
2-Hexanone
Concen: 103.743 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VN0104WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.5	43.2	64.8
57	19.1	14.9	22.3

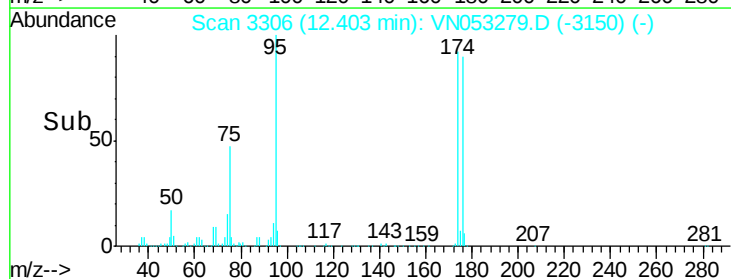
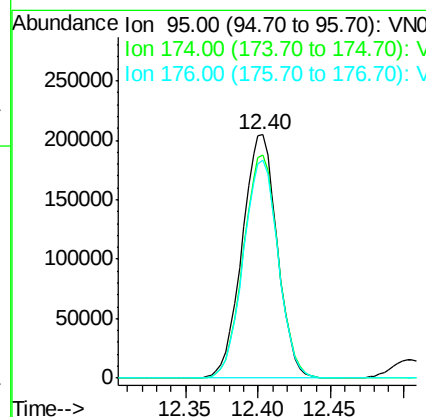
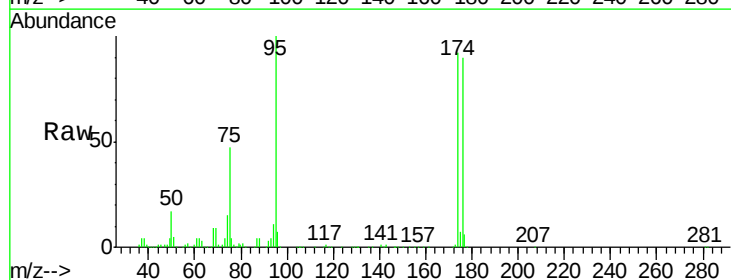
Manual Integrations
APPROVED

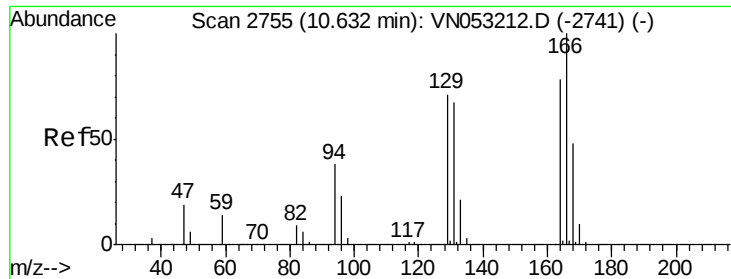
MMDadoda
1/7/2019 11:09:57 AM



#60
4-Bromofluorobenzene
Concen: 103.743 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.2	67.9	101.9
176	89.2	66.4	99.6





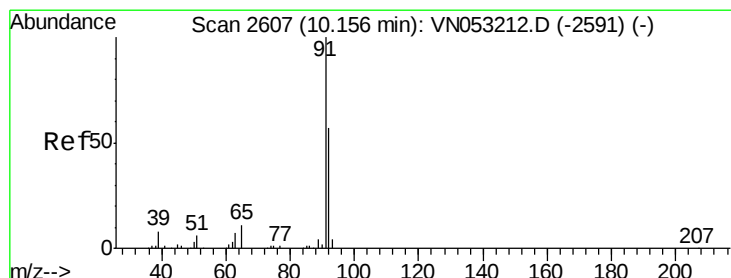
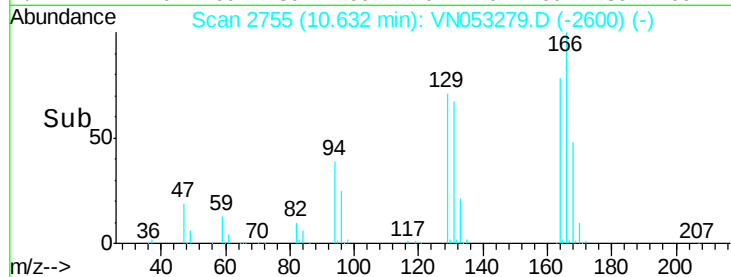
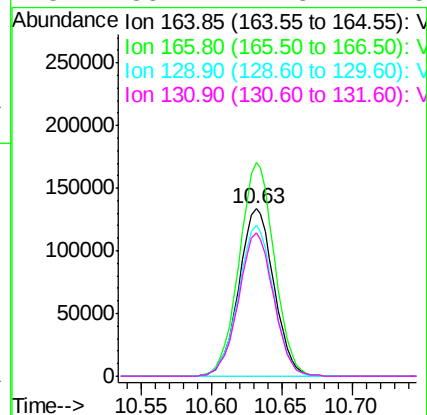
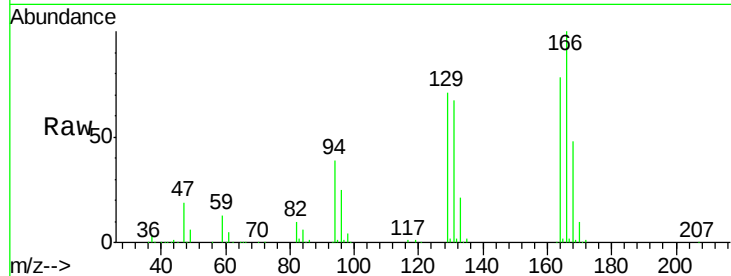
#61
Tetrachloroethene
Concen: 20.702 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.5	104.6	157.0
129	90.0	75.3	112.9
131	85.7	74.3	111.5

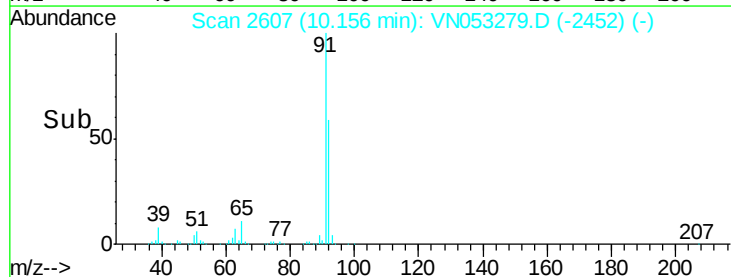
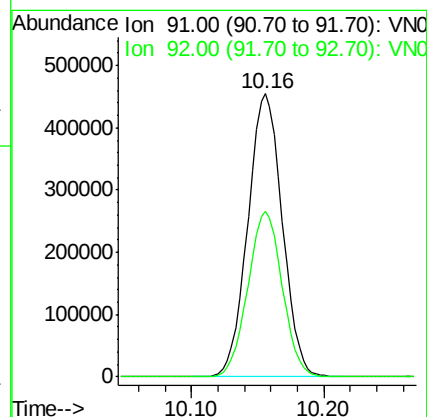
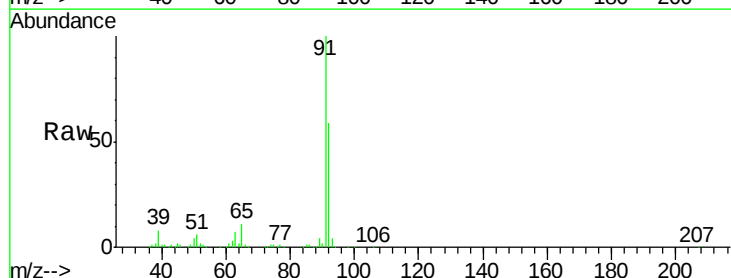
Manual Integrations
APPROVED

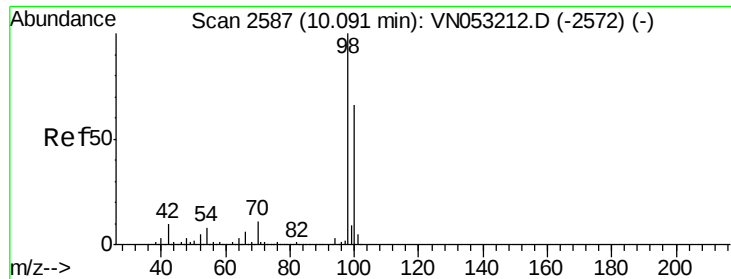
MMDadoda
1/7/2019 11:09:57 AM



#62
Toluene
Concen: 19.667 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	45.4	68.2





#63

Toluene-d8

Concen: 19.667 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0104WBS01

Tot Ion: 98 Resp: 1033427

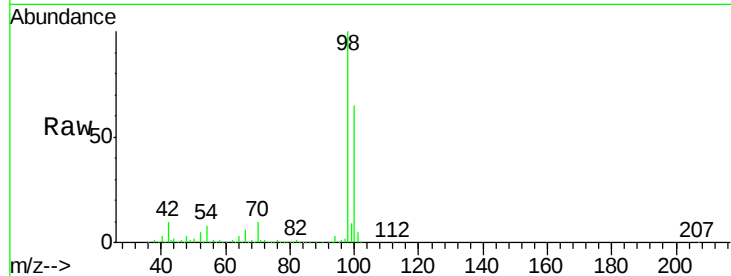
Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7

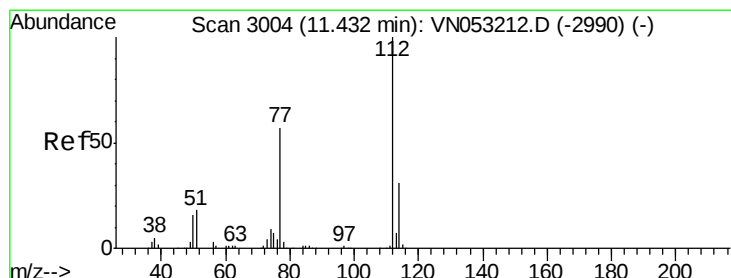
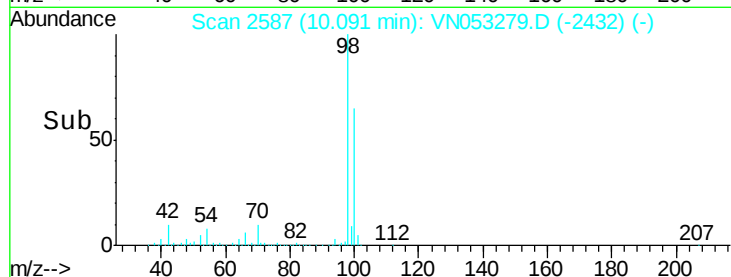
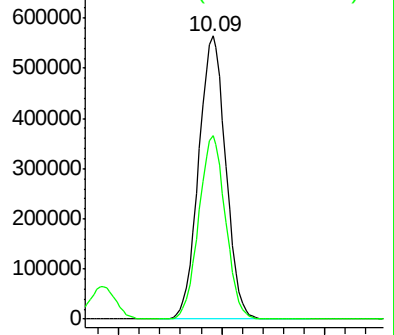
Manual Integrations
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Abundance Ion 98.00 (97.70 to 98.70): VN053212.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN053212.D (-2572) (-)



#64

Chlorobenzene

Concen: 19.636 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053279.D

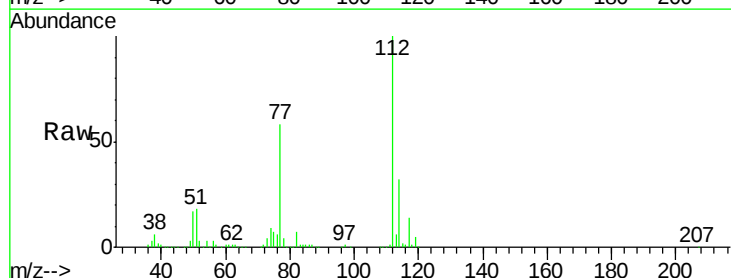
Acq: 4 Jan 2019 10:24

Tgt Ion: 112 Resp: 513996

Ion Ratio Lower Upper

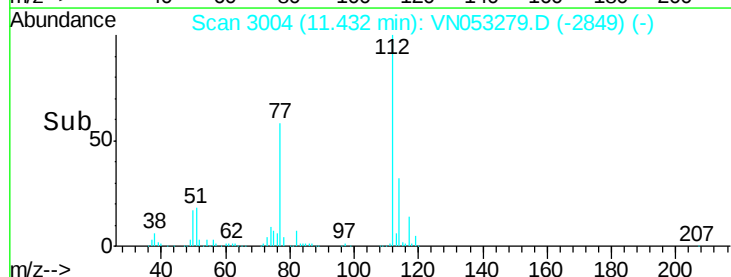
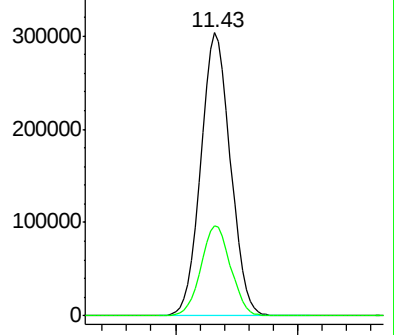
112 100

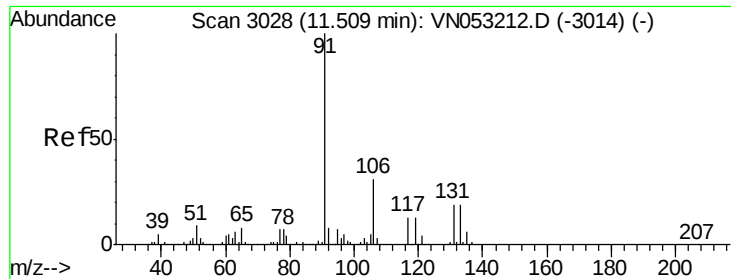
114 31.9 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): VN053212.D (-2990) (-)

Ion 114.00 (113.70 to 114.70): VN053212.D (-2990) (-)





#65

1,1,1,2-Tetrachloroethane

Concen: 19.530 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

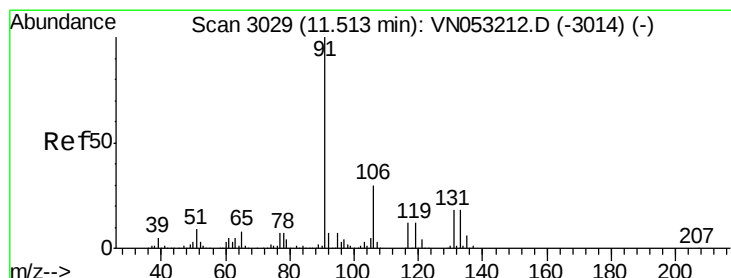
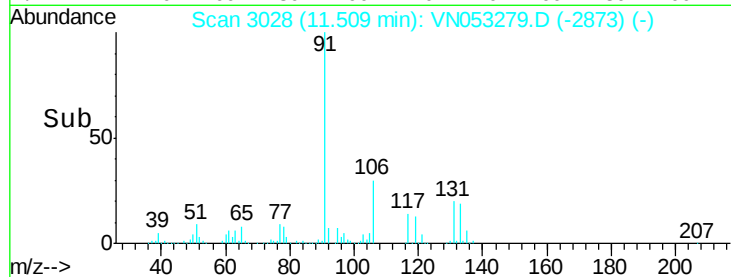
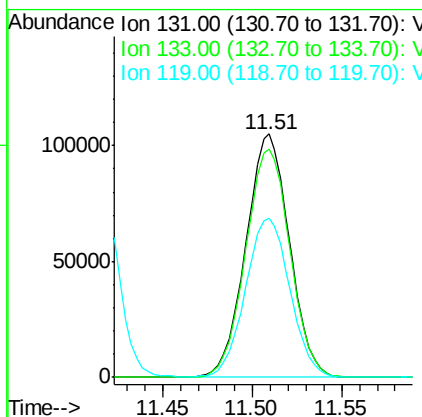
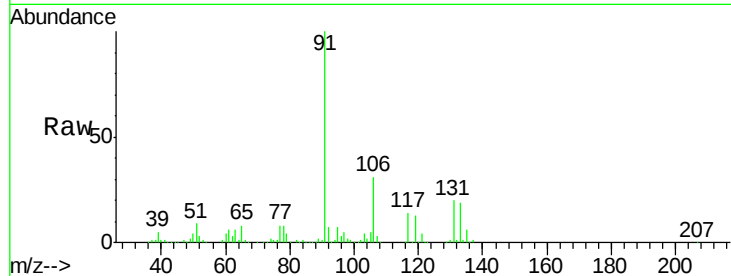
ClientSampled :

VN0104WBS01

Tot Ion:	131	Resp:	179327
Ion Ratio	Lower	Upper	
131	100		
133	95.8	0.0	193.4
119	66.4	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.388 ug/l

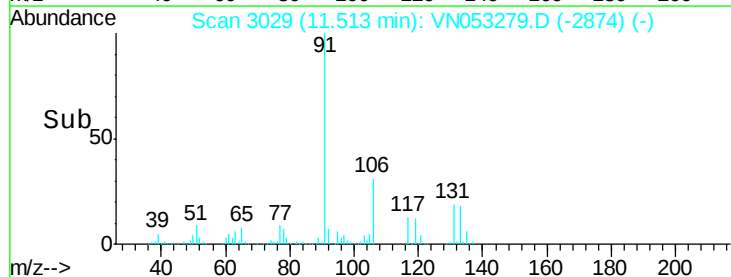
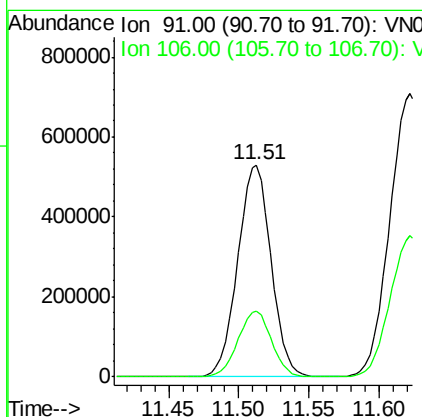
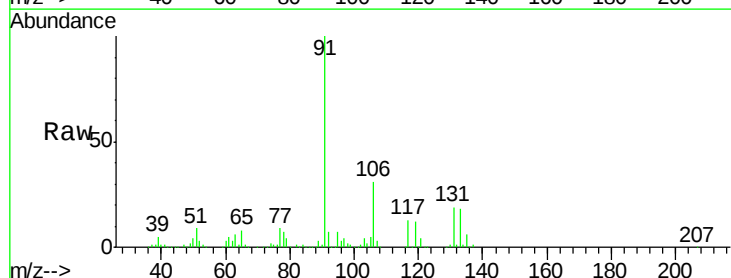
RT: 11.51 min Scan# 3029

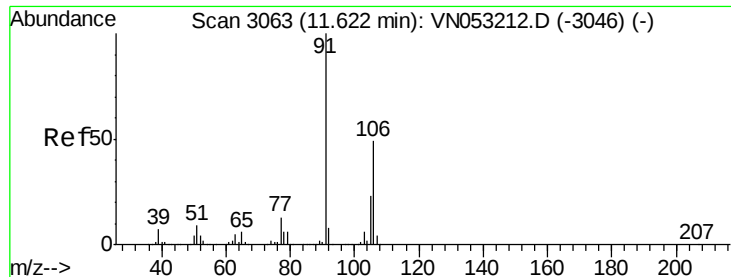
Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Tgt Ion:	91	Resp:	877023
Ion Ratio	Lower	Upper	
91	100		
106	31.1	24.3	36.5





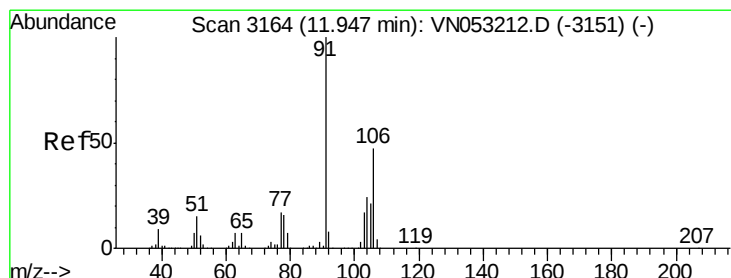
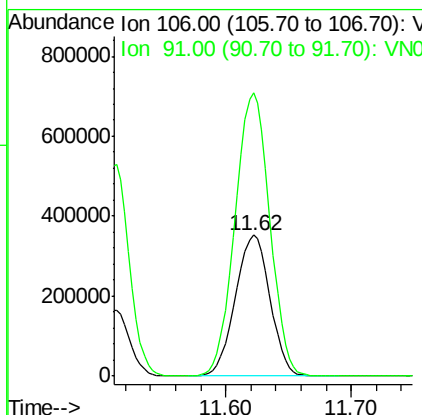
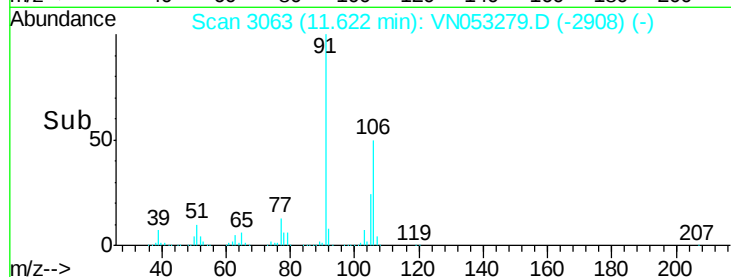
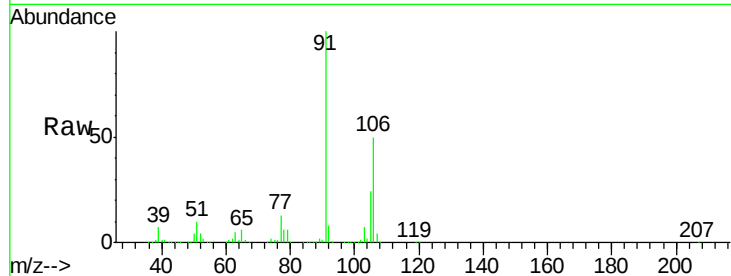
#67
m/p-Xvlenes
Concen: 39.535 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VN0104WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.4	163.9	245.9	

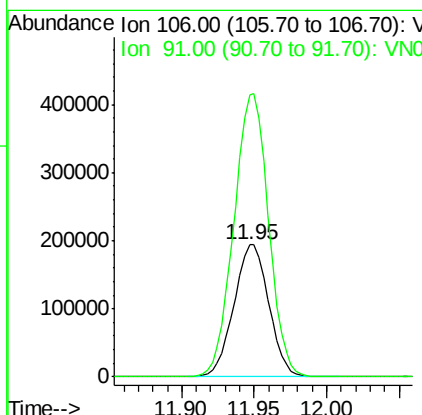
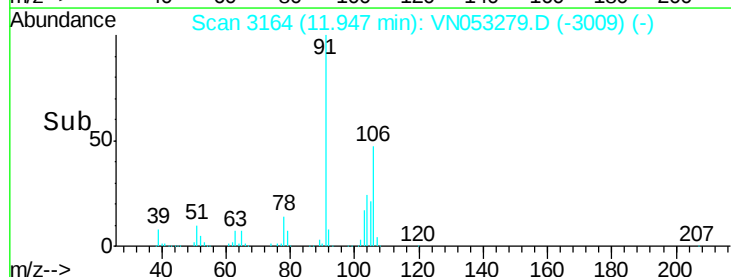
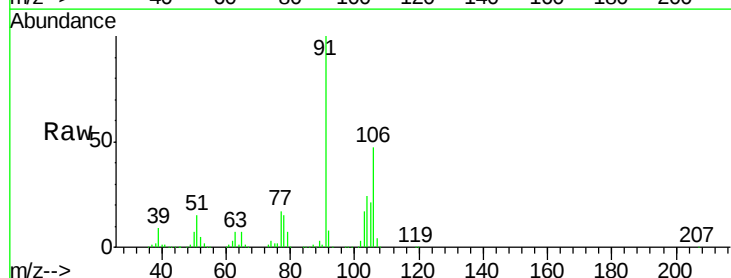
Manual Integrations
APPROVED

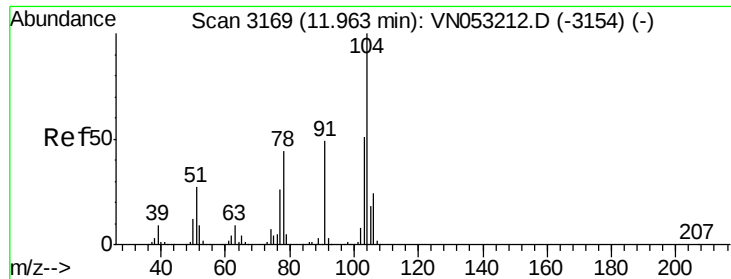
MMDadoda
1/7/2019 11:09:57 AM



#68
o-Xylene
Concen: 19.591 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	213.1	107.8	323.4	





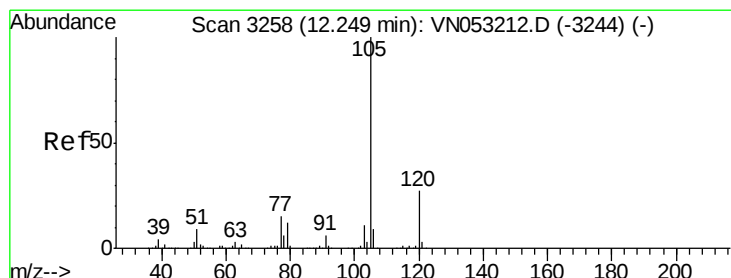
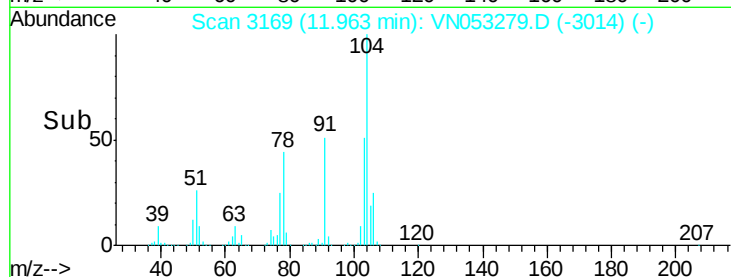
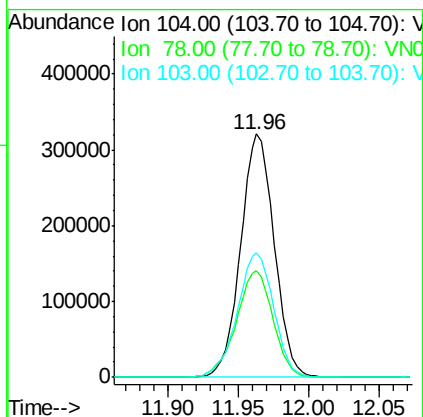
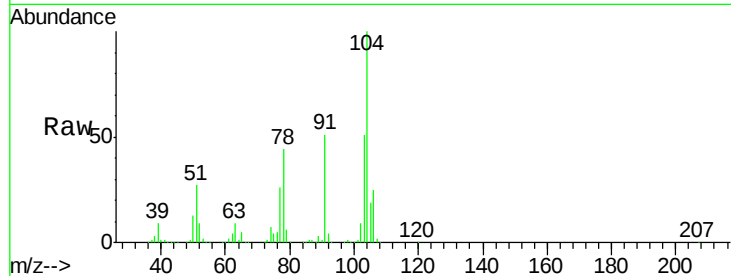
#69
Stvrene
Concen: 19.835 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VN0104WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.7	39.3	58.9
103	55.4	44.6	66.8

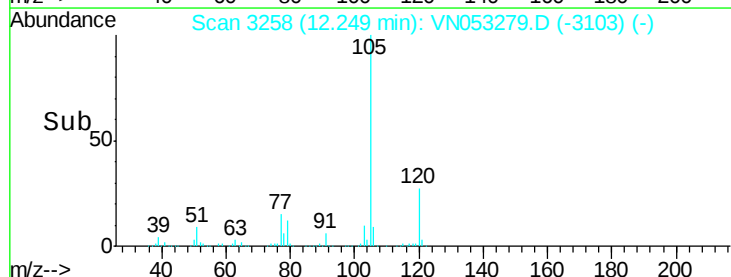
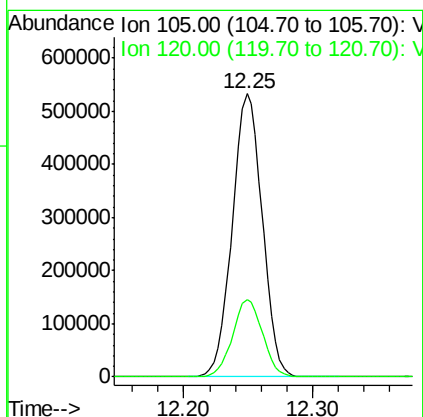
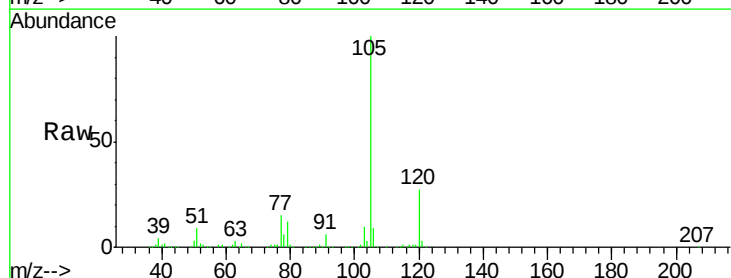
Manual Integrations
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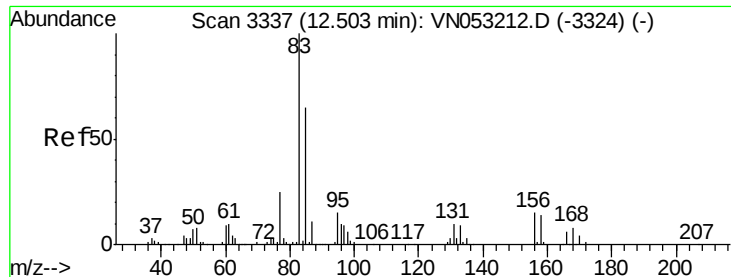
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#70
Isopropylbenzene
Concen: 19.707 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	18.6	34.6





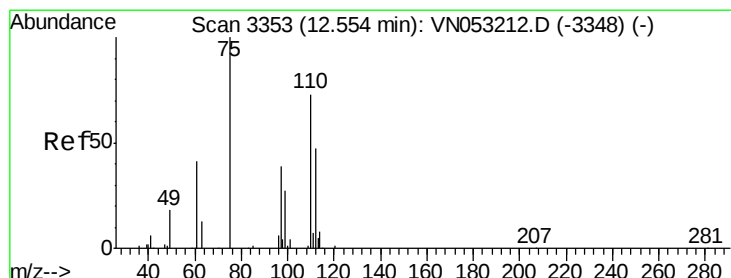
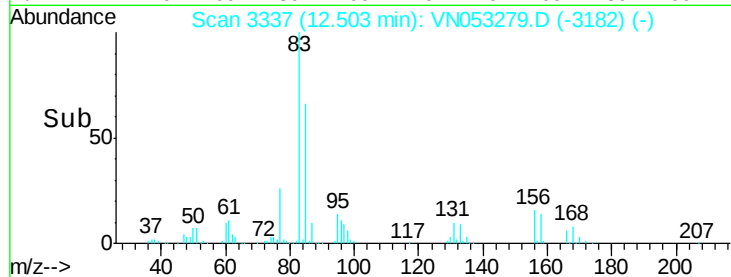
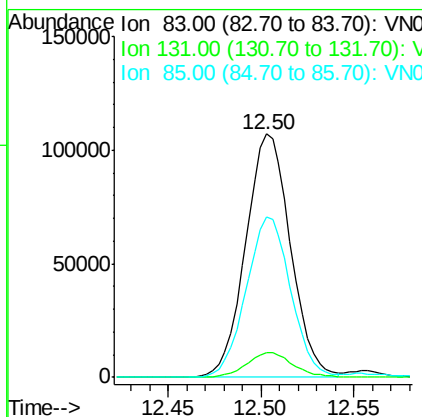
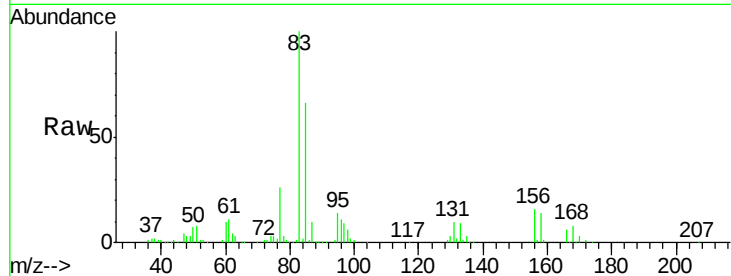
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.669 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	180610		
131	10.5	4.9	14.6	
85	65.4	32.2	96.6	

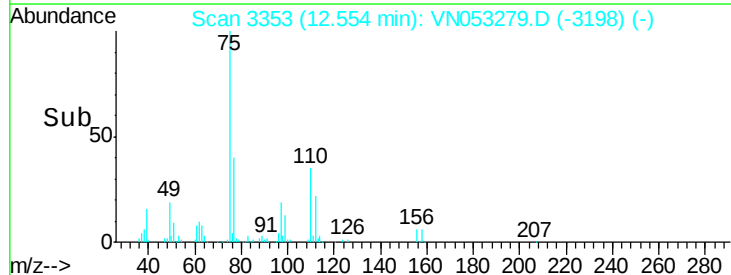
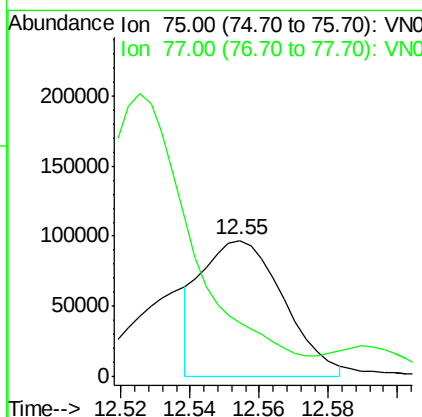
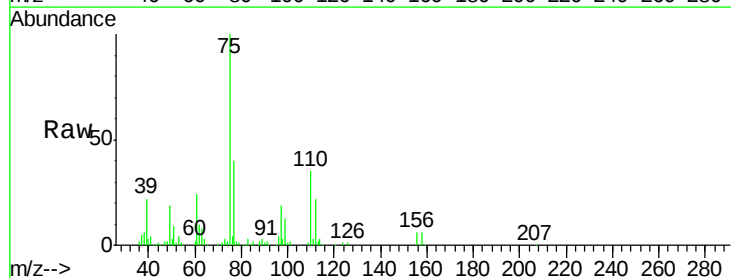
Manual Integrations
 APPROVED

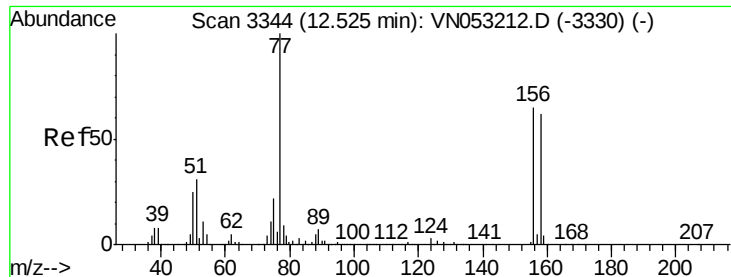
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 1/7/2019 11:09:57 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.932 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	160273		
77	244.5	0.0	514.8	





#73

Bromobenzene

Concen: 19.991 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

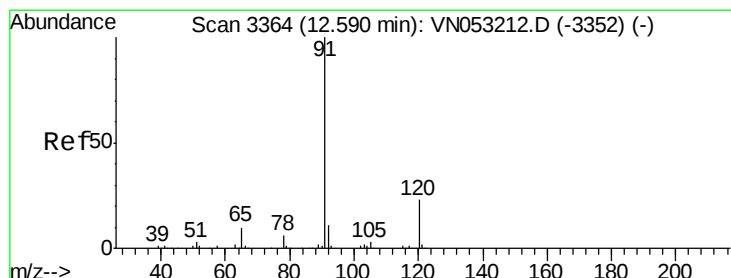
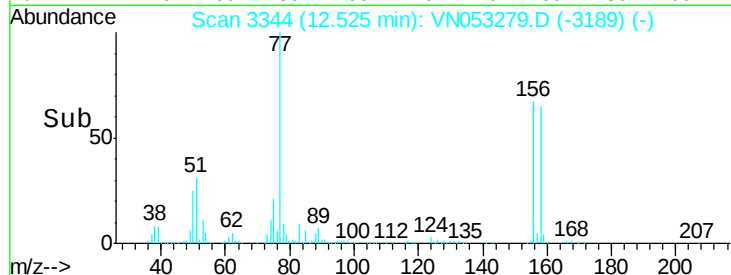
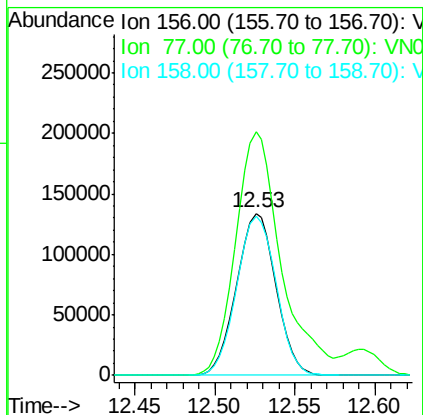
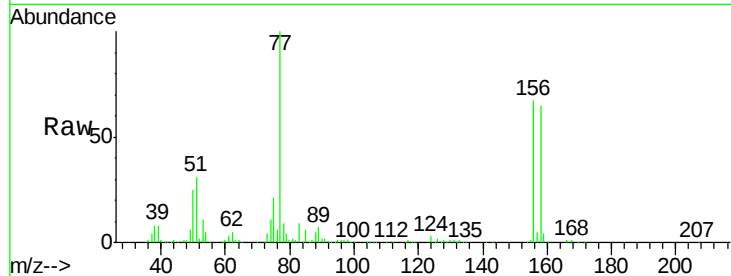
ClientSampled :

VN0104WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		224143		
77	174.8	0.0	382.6		
158	98.6	0.0	196.8		

Manual Integrations
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#74

n-propylbenzene

Concen: 19.519 ug/l

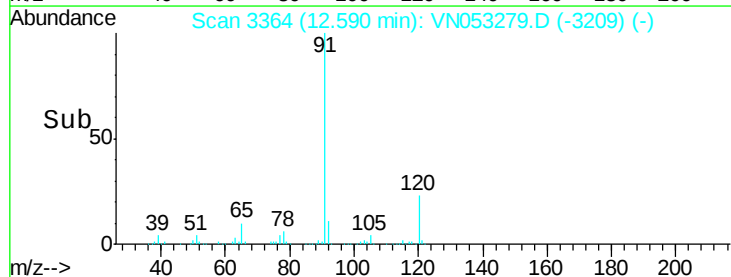
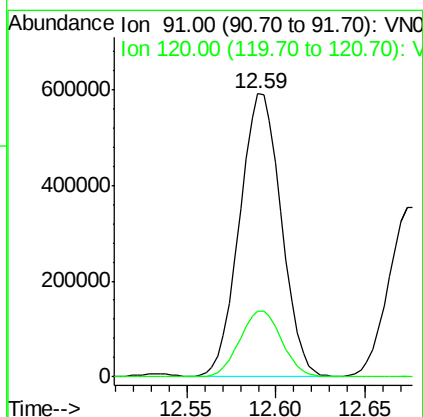
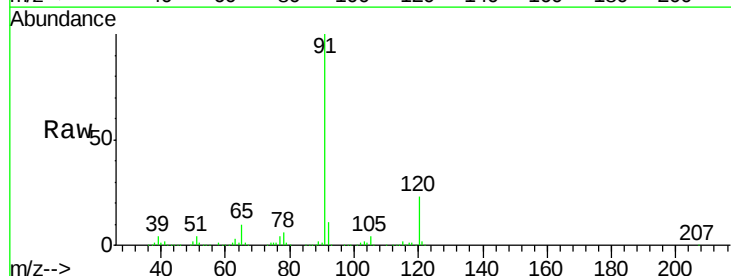
RT: 12.59 min Scan# 3364

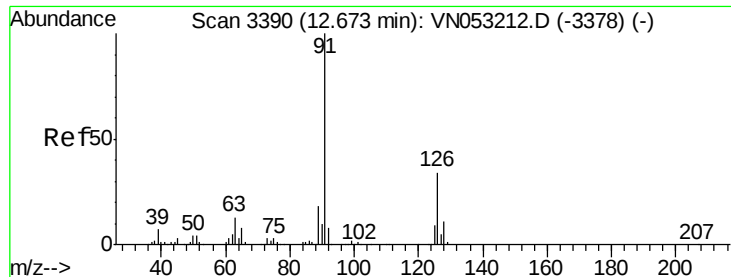
Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		963782		
120	23.3	0.0	44.6		





#75

2-Chlorotoluene

Concen: 20.015 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0104WBS01

Tot Ion: 91 Resp: 585312

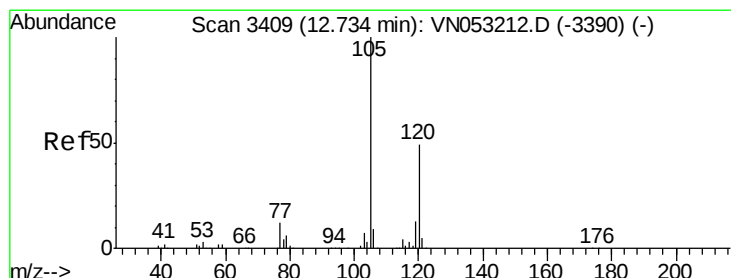
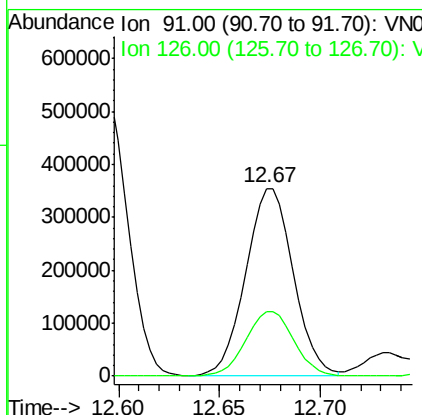
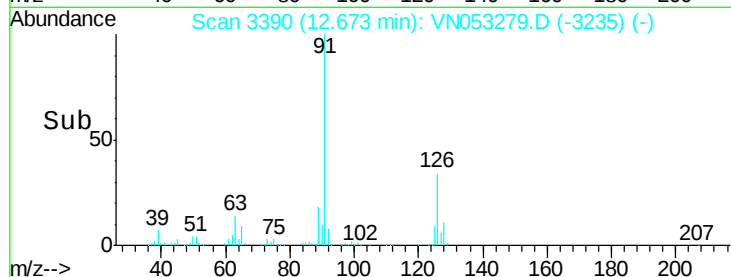
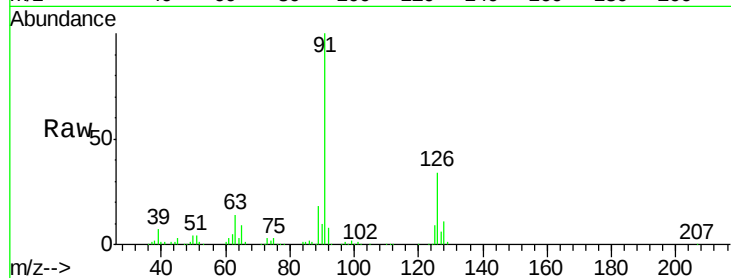
Ion Ratio Lower Upper

91 100

126 34.9 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 19.616 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN053279.D

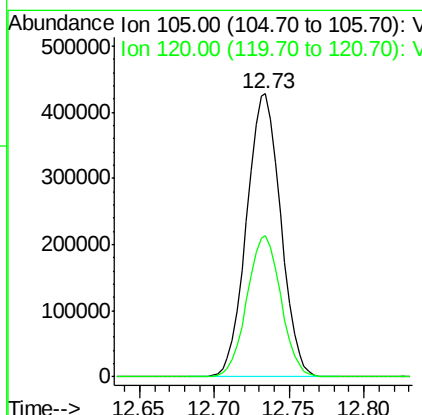
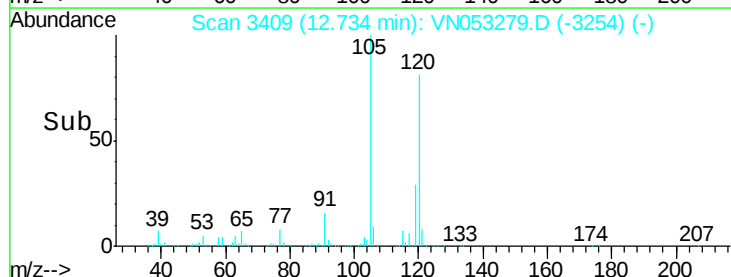
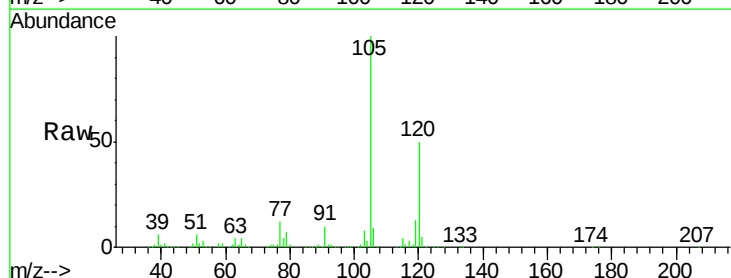
Acq: 4 Jan 2019 10:24

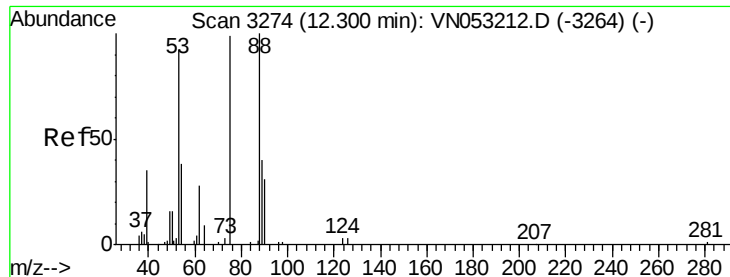
Tgt Ion: 105 Resp: 678753

Ion Ratio Lower Upper

105 100

120 49.7 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.794 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

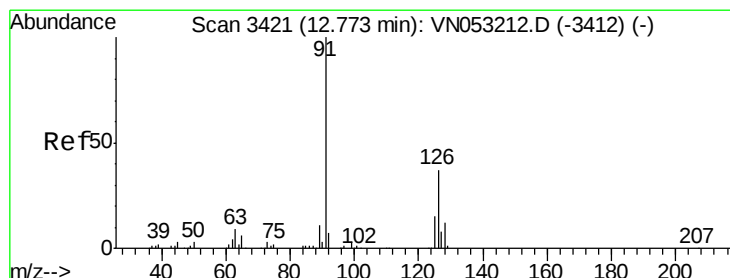
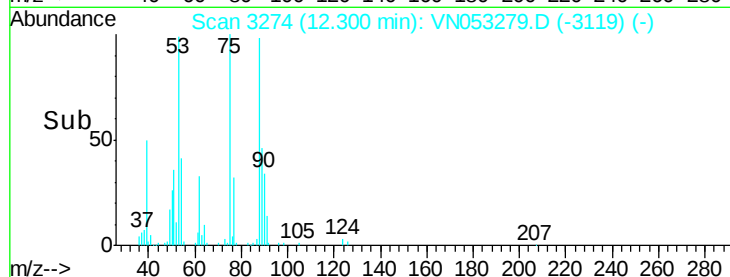
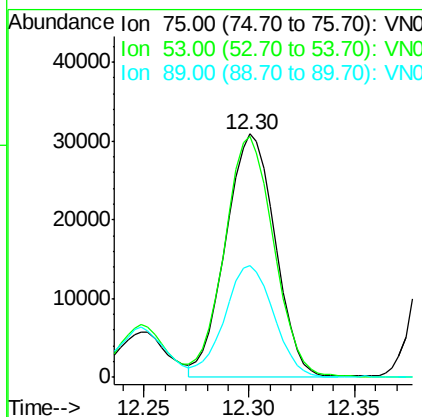
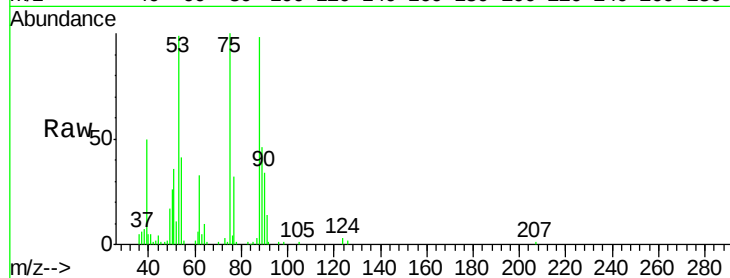
ClientSampleId :

VN0104WBS01

Tot Ion:	75	Resp:	50273
Ion	Ratio	Lower	Upper
75	100		
53	98.5	48.5	145.6
89	46.0	21.7	65.1

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#78

4-Chlorotoluene

Concen: 19.271 ug/l

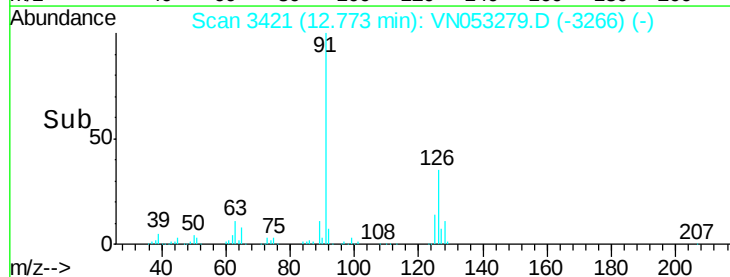
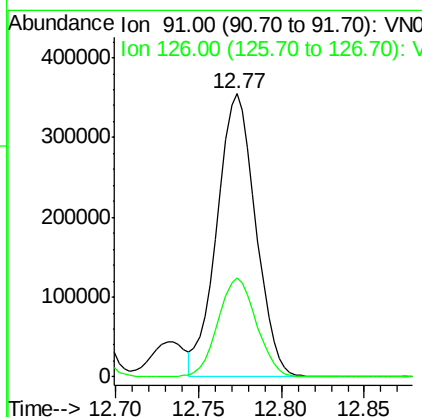
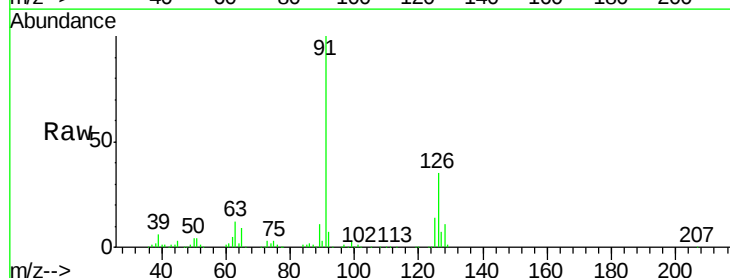
RT: 12.77 min Scan# 3421

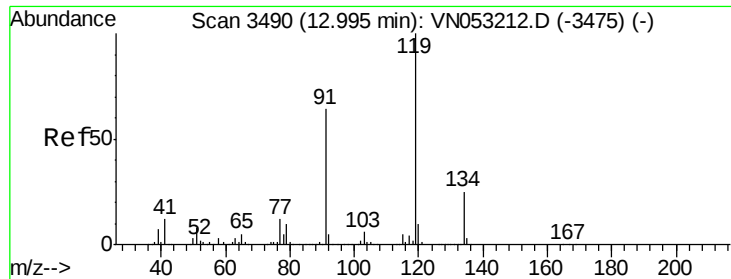
Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Tgt Ion:	91	Resp:	573642
Ion	Ratio	Lower	Upper
91	100		
126	34.8	0.0	68.2





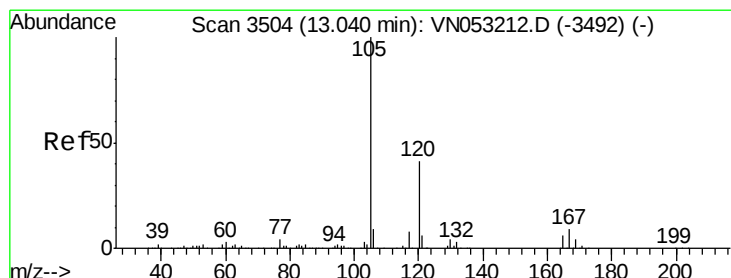
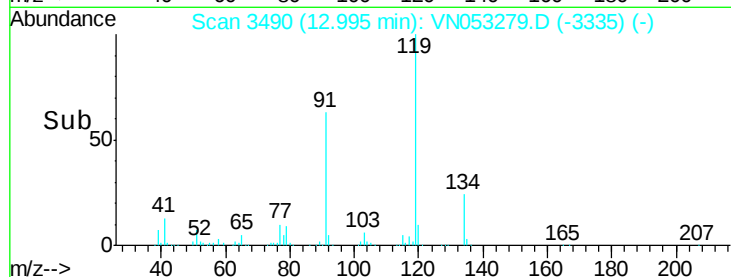
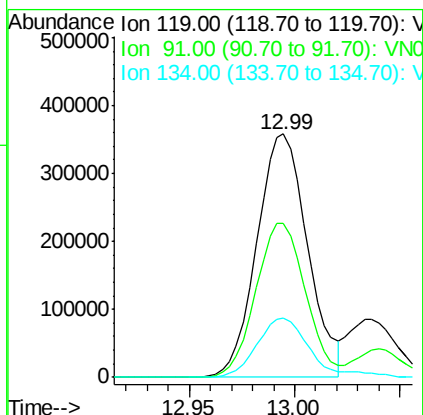
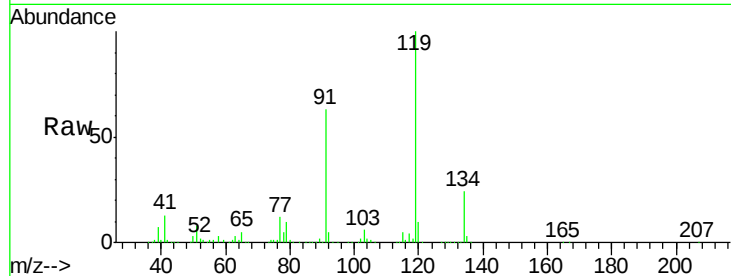
#79
tert-butylbenzene
Concen: 19.889 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	600179		
91	62.0		0.0	129.8
134	25.5		0.0	52.2

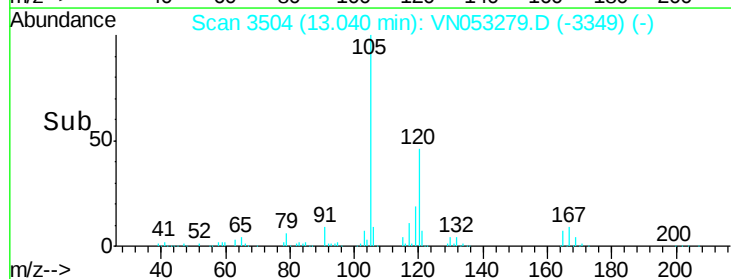
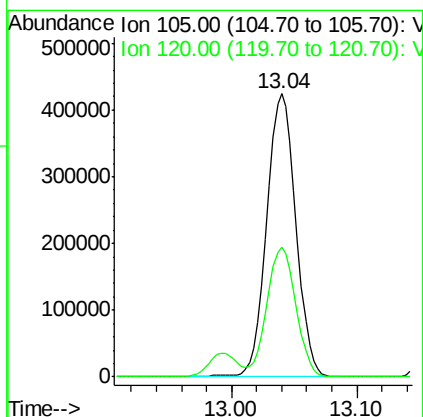
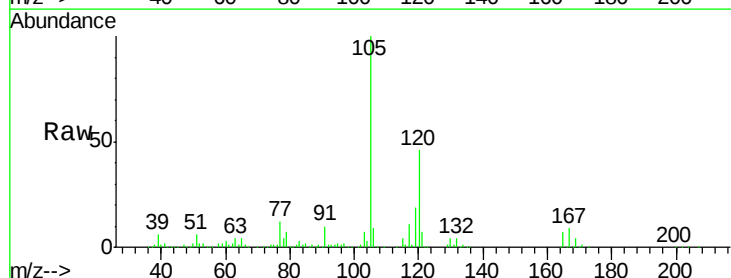
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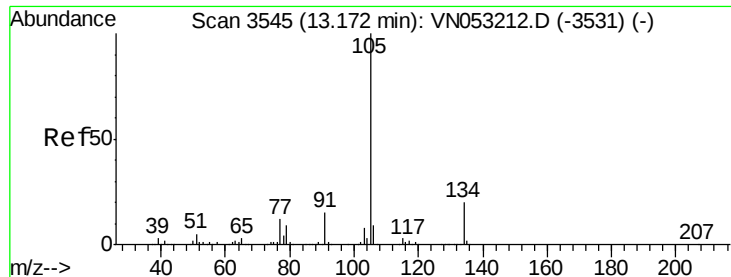
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.782 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	686035		
120	45.5		0.0	91.0





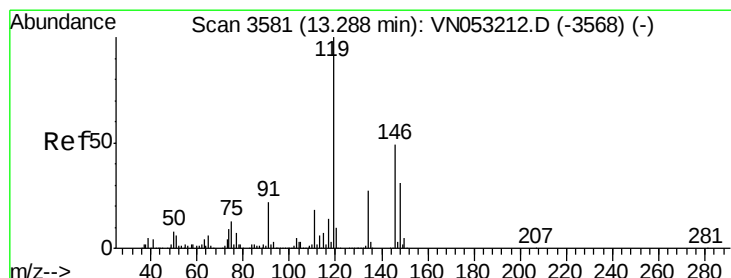
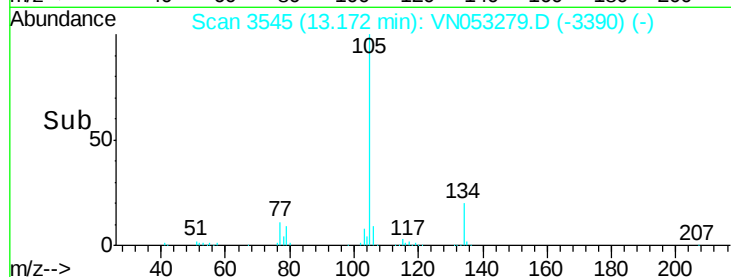
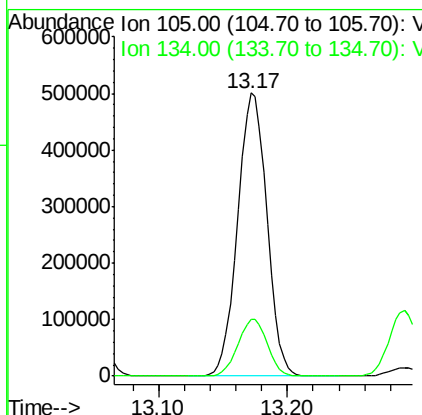
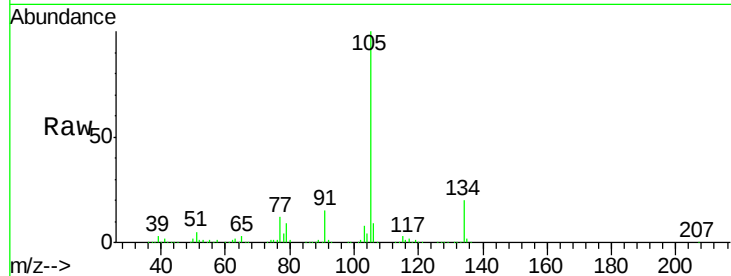
#81
 sec-Butylbenzene
 Concen: 19.752 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0104WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	789287		
134	20.3	0.0	40.4	

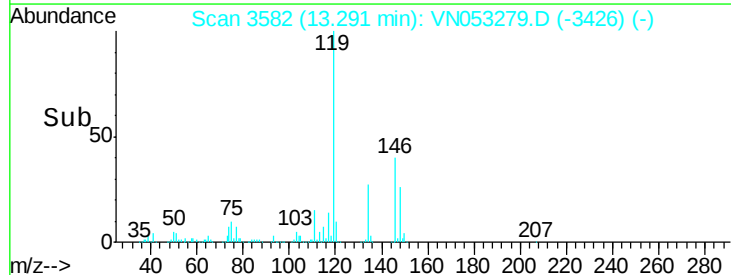
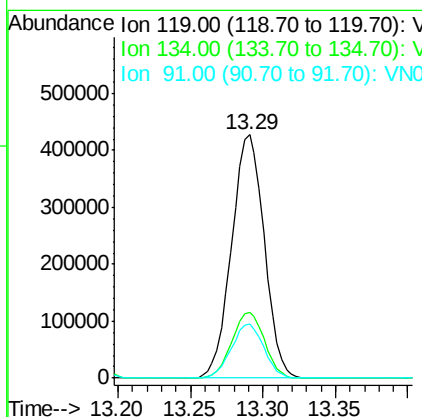
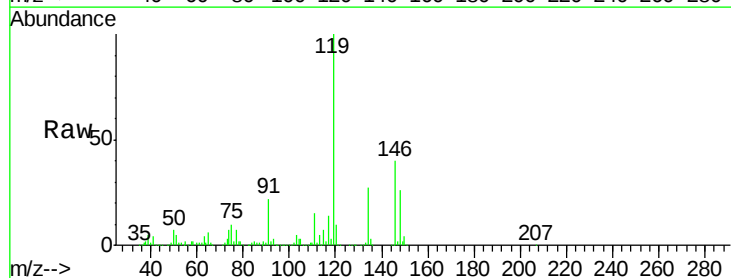
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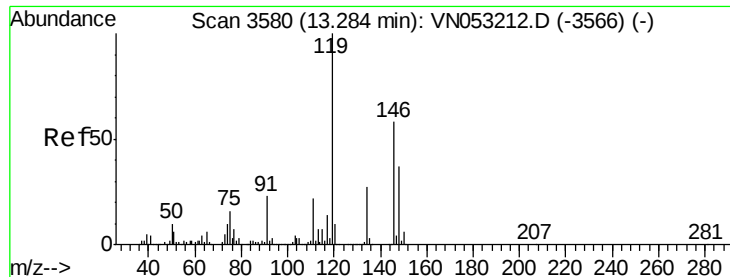
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#82
 p-Isopropyltoluene
 Concen: 19.331 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	667500		
134	26.9	0.0	52.6	
91	22.1	0.0	46.2	





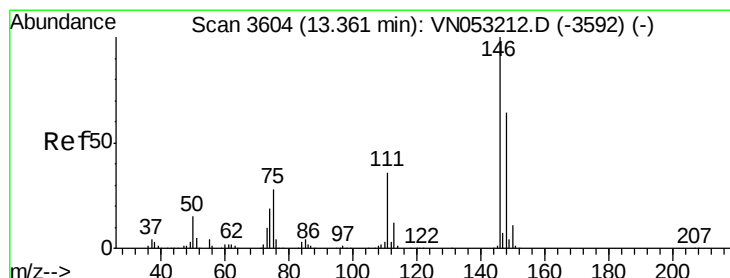
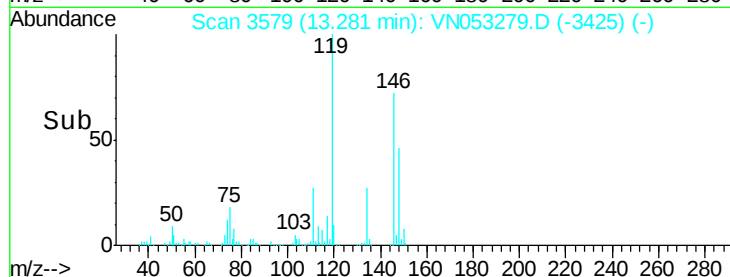
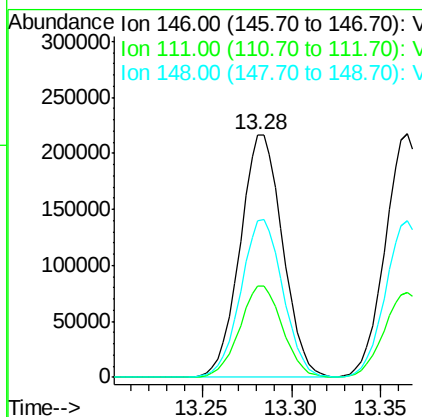
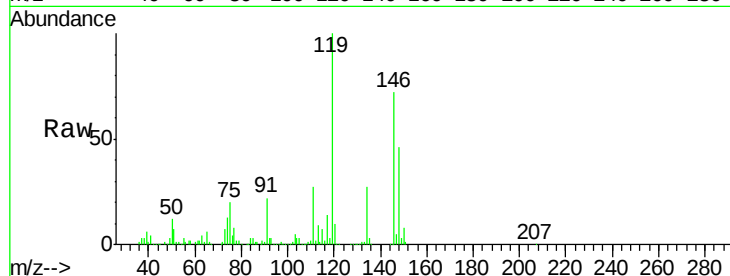
#83
 1,3-Dichlorobenzene
 Concen: 18.878 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.7	59.0
148	64.6	32.3	96.8

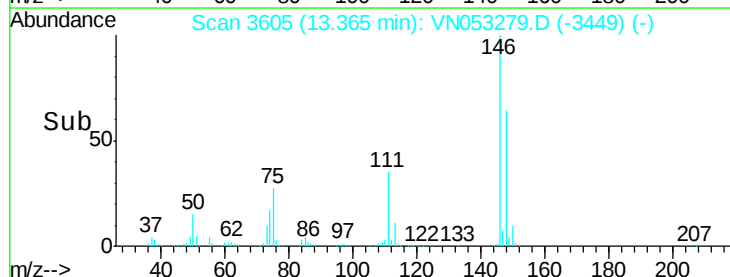
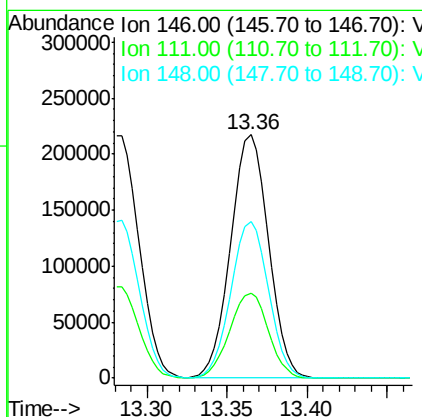
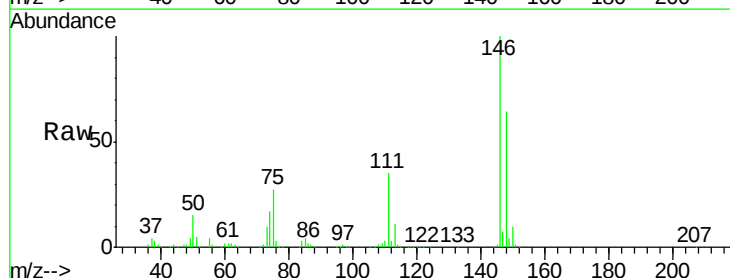
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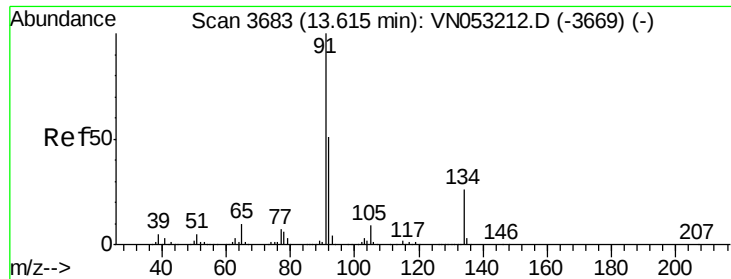
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#84
 1,4-Dichlorobenzene
 Concen: 18.779 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.8	56.3
148	64.2	32.5	97.4





#85

n-Butylbenzene

Concen: 18.190 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

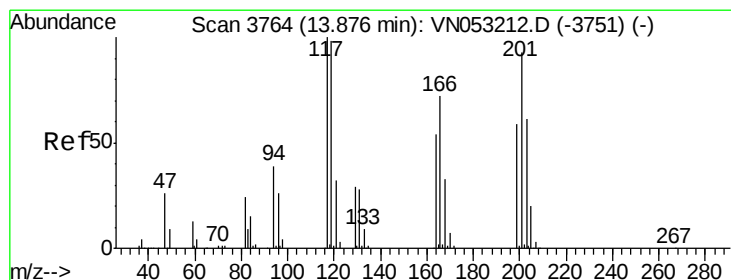
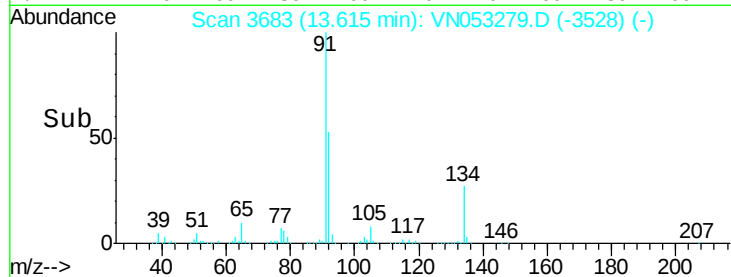
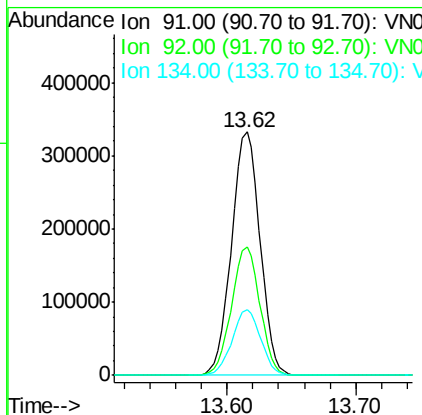
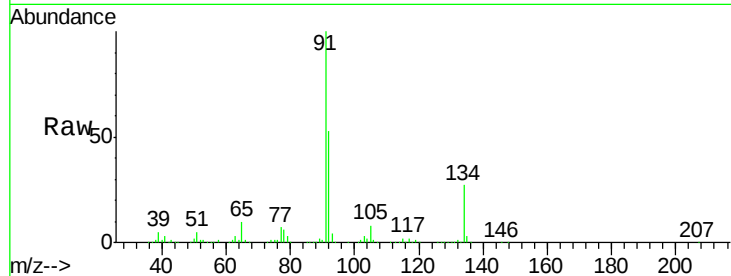
ClientSampled :

VN0104WBS01

Tot Ion:	91	Resp:	510794
Ion Ratio	Lower	Upper	
91	100		
92	52.4	0.0	104.2
134	26.9	0.0	50.6

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#86

Hexachloroethane

Concen: 17.840 ug/l

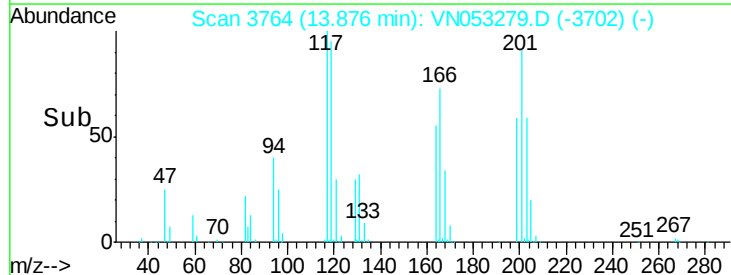
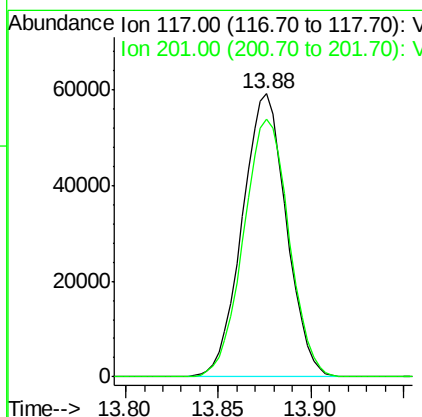
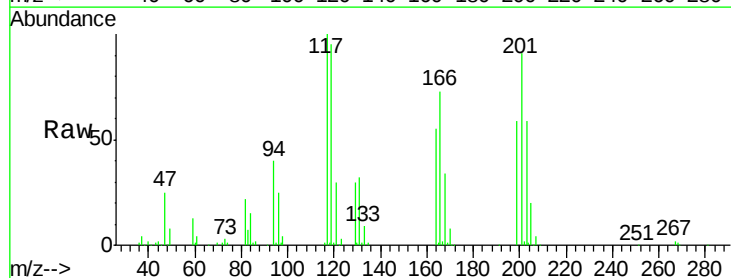
RT: 13.88 min Scan# 3764

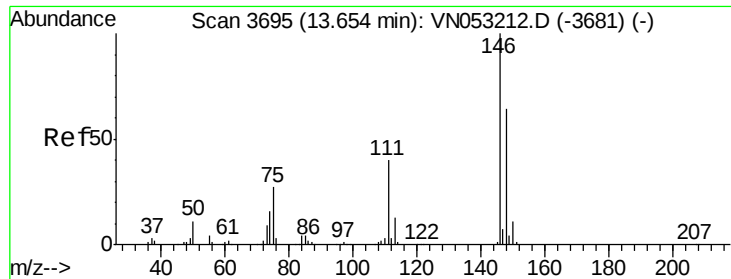
Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Tgt Ion:	117	Resp:	98354
Ion Ratio	Lower	Upper	
117	100		
201	93.6	43.8	131.3





#87

1,2-Dichlorobenzene

Concen: 18.398 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Instrument :

MSVOA_N

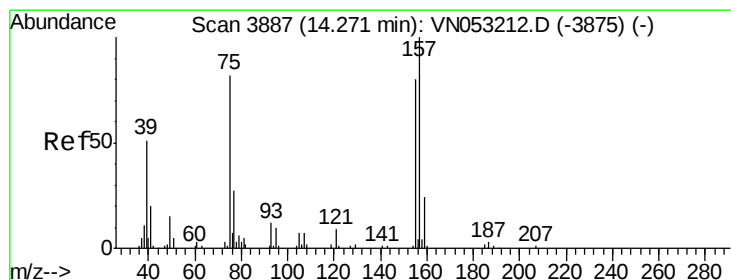
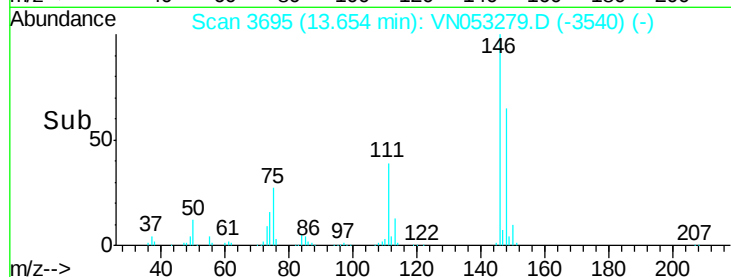
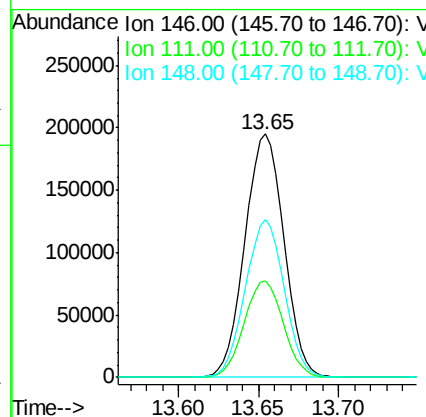
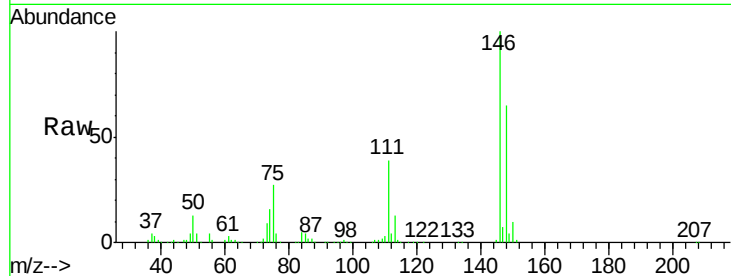
ClientSampled :

VN0104WBS01

Tot Ion:	146	Resp:	326363
Ion Ratio	Lower	Upper	
146	100		
111	39.5	20.3	60.8
148	64.5	32.1	96.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 12.078 ug/l

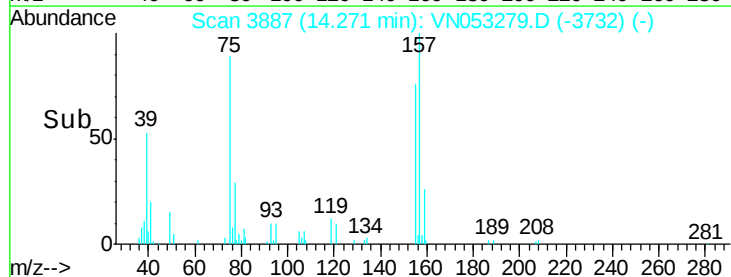
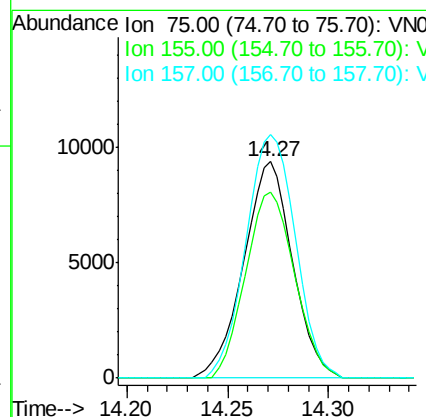
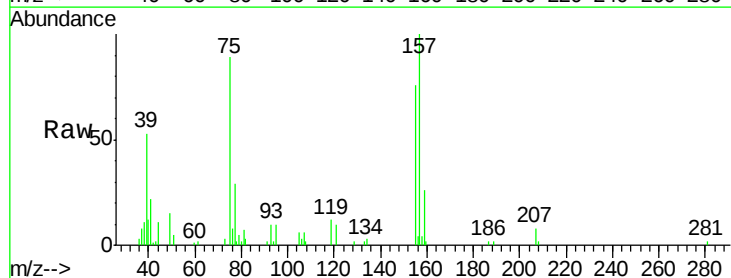
RT: 14.27 min Scan# 3887

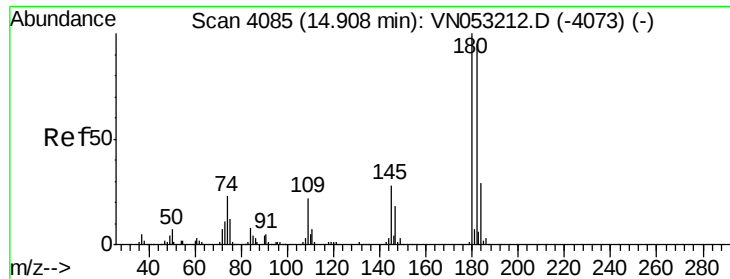
Delta R.T. -0.00 min

Lab File: VN053279.D

Acq: 4 Jan 2019 10:24

Tgt Ion:	75	Resp:	15860
Ion Ratio	Lower	Upper	
75	100		
155	86.3	72.2	108.2
157	114.3	94.2	141.2





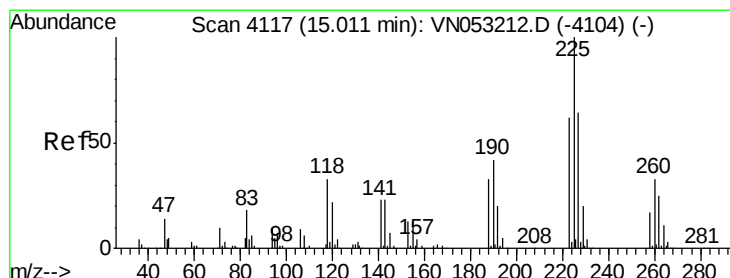
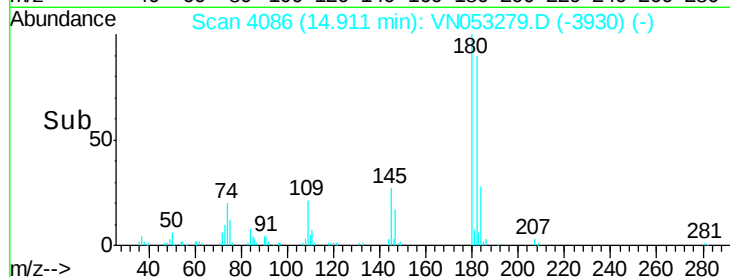
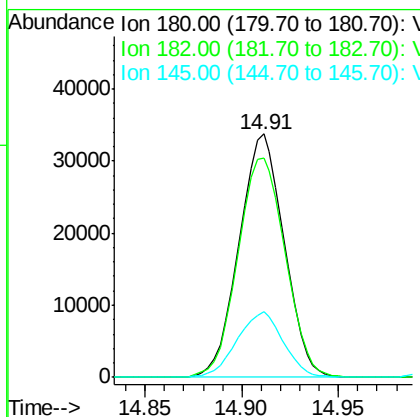
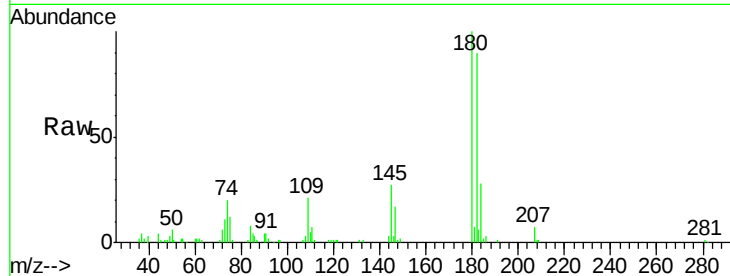
#89
 1,2,4-Trichlorobenzene
 Concen: 6.350 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0104WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.6	114.8
145	27.6	23.6	35.4

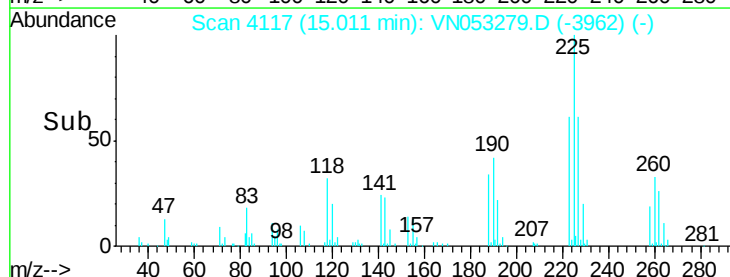
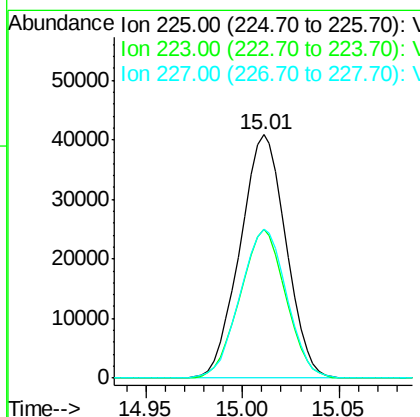
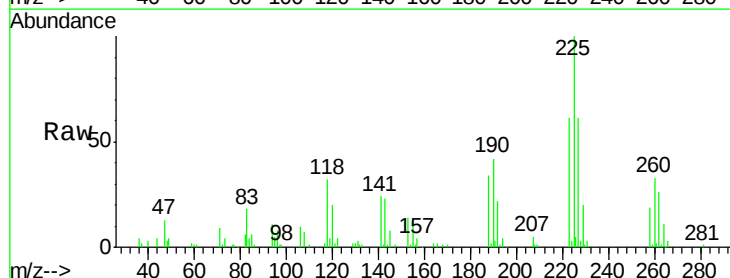
Manual Integrations
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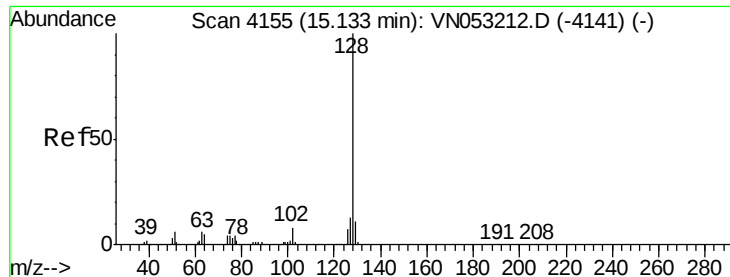
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 1/7/2019 11:09:57 AM



#90
 Hexachlorobutadiene
 Concen: 12.958 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN053279.D
 Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	0.0	125.6
227	62.1	0.0	127.8





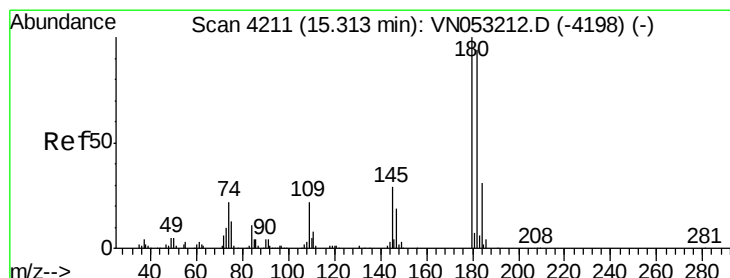
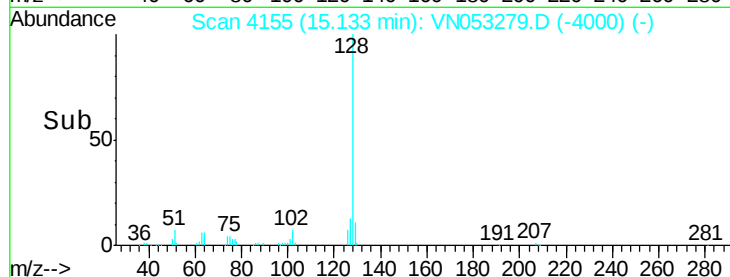
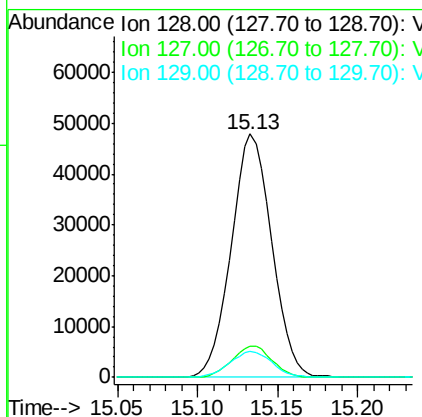
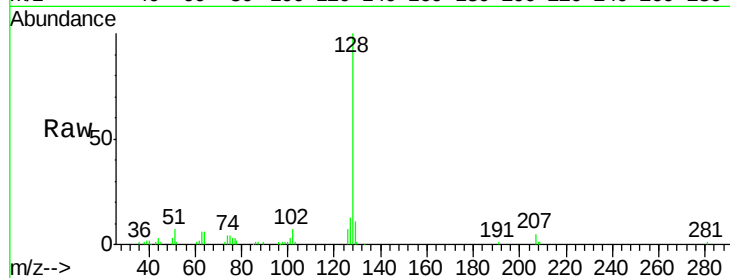
#91
Naphthalene
Concen: 4.514 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0104WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	9.9	14.9
129	11.1	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/7/2019 11:09:57 AM



#92
1,2,3-Trichlorobenzene
Concen: 4.239 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053279.D
Acq: 4 Jan 2019 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.7	0.0	196.2
145	28.3	0.0	62.2

