

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057790.D
 Acq On : 9 Sep 2019 10:18
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:04:45 AM

Quant Time: Sep 09 12:11:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 11:48:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	79790	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	467710	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	435176	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	207620	29.42	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.07%
60) 4-Bromofluorobenzene	12.40	95	234376	31.47	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.90%
63) Toluene-d8	10.08	98	621773	29.77	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.23%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	488862	101.406	ug/l 97
3) Chloromethane	2.04	50	578473	96.234	ug/l 98
4) Vinyl Chloride	2.16	62	591357	96.152	ug/l 98
5) Bromomethane	2.53	94	360986	93.615	ug/l 93
6) Chloroethane	2.67	64	359911	94.163	ug/l 96
7) Trichlorofluoromethane	2.99	101	704263	99.116	ug/l 97
8) Diethyl Ether	3.39	74	287077	100.152	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	434974	98.037	ug/l 99
10) 1,1-Dichloroethene	3.71	96	412414	97.750	ug/l 93
11) Methyl Iodide	3.93	142	583613	103.390	ug/l 98
12) Methyl Acetate	4.30	43	579729	99.991	ug/l 96
13) Acrolein	3.58	56	143176	455.762	ug/l 99
14) Acrylonitrile	4.96	53	1213523	514.133	ug/l # 91
15) Acetone	3.80	58	327546	488.806	ug/l 99
16) Carbon Disulfide	4.03	76	1001828	101.972	ug/l 99
17) Allyl chloride	4.30	41	796762	103.061	ug/l 97
18) Methylene Chloride	4.53	84	509512	95.833	ug/l 98
19) trans-1,2-Dichloroethene	5.01	96	459257	97.667	ug/l 98
20) Diisopropyl ether	5.93	45	1822000	100.809	ug/l 93
21) 1,1-Dichloroethane	5.82	63	985157	98.854	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	570555	99.029	ug/l 100
23) tert-Butyl Alcohol	4.77	59	400129	519.278	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	1616131	99.952	ug/l # 100
25) Chloroform	7.36	83	1000409	98.602	ug/l 99
26) Cyclohexane	7.64	56	836383	99.886	ug/l # 100
29) 1,1-Dichloropropene	7.78	75	741764	100.815	ug/l 99
30) 2-Butanone	6.81	43	1717664	517.750	ug/l 100
31) 2,2-Dichloropropane	6.80	77	805282	103.664	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	843104	101.916	ug/l 99
33) Carbon Tetrachloride	7.76	117	710011	105.211	ug/l 98
34) Benzene	8.03	78	2190870	100.492	ug/l # 88
35) Methacrylonitrile	7.16	41	339282	112.250	ug/l 97
36) 1,2-Dichloroethane	8.11	62	837667	99.014	ug/l 100
37) Trichloroethene	8.82	130	532001	100.470	ug/l 100
38) Methylcyclohexane	9.07	83	854692	102.015	ug/l 99
39) 1,2-Dichloropropane	9.11	63	606630	99.081	ug/l 98
40) Dibromomethane	9.20	93	378665	101.687	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	787523	104.898	ug/l	97
42) Vinyl Acetate	5.87	43	6786135	508.664	ug/l	96
43) Ethyl Acetate	6.91	43	716401m	104.687	ug/l	
44) Isopropyl Acetate	8.15	43	1251496	105.614	ug/l #	92
45) 1,4-Dioxane	9.19	88	191543	2065.488	ug/l	99
46) Methyl methacrylate	9.19	41	603752	104.730	ug/l	98
47) n-amyl Acetate	12.07	43	1228771	113.405	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	894859	111.962	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	959737	107.024	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	553570	102.485	ug/l	98
51) Ethyl methacrylate	10.43	69	914167	109.151	ug/l	99
52) 1,3-Dichloropropane	10.71	76	979325	103.675	ug/l	100
53) Dibromochloromethane	10.90	129	597379	111.985	ug/l	99
54) 1,2-Dibromoethane	11.00	107	559063	104.026	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	2171629	545.677	ug/l	98
56) Bromoform	12.13	173	393365	119.033	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	3393686	502.871	ug/l	93
59) 2-Hexanone	10.75	43	2629223	519.165	ug/l	95
61) Tetrachloroethene	10.63	164	440216	99.494	ug/l	97
62) Toluene	10.15	91	2405475	99.828	ug/l	97
64) Chlorobenzene	11.43	112	1508047	100.888	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	551336	106.230	ug/l	99
66) Ethyl Benzene	11.51	91	2663251	101.302	ug/l	92
67) m/p-Xylenes	11.62	106	2085062	229.621	ug/l	85
68) o-Xylene	11.95	106	1018943	103.621	ug/l	95
69) Styrene	11.96	104	1790923	106.820	ug/l	99
70) Isopropylbenzene	12.25	105	2668192	102.635	ug/l	95
71) 1,1,2,2-Tetrachloroethane	12.51	83	859808	105.826	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	772661m	108.675	ug/l	
73) Bromobenzene	12.53	156	649838	104.411	ug/l	99
74) n-propylbenzene	12.59	91	2995148	100.842	ug/l	93
75) 2-Chlorotoluene	12.68	91	1927258	104.176	ug/l	99
76) 1,3,5-Trimethylbenzene	12.74	105	2316429	104.640	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	262646	122.768	ug/l	86
78) 4-Chlorotoluene	12.78	91	2016192	106.843	ug/l	99
79) tert-butylbenzene	13.00	119	2043814	105.829	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	2313208	104.874	ug/l	96
81) sec-Butylbenzene	13.17	105	2662760	103.918	ug/l	97
82) p-Isopropyltoluene	13.29	119	2416561	105.309	ug/l	97
83) 1,3-Dichlorobenzene	13.29	146	1229597	106.288	ug/l	98
84) 1,4-Dichlorobenzene	13.37	146	1228924	107.899	ug/l	98
85) n-Butylbenzene	13.62	91	2281603	106.686	ug/l	94
86) Hexachloroethane	13.88	117	417445	114.209	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	1193441	106.276	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	161666	113.012	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	755549	110.142	ug/l	99
90) Hexachlorobutadiene	15.01	225	338989	107.602	ug/l	99
91) Naphthalene	15.13	128	2137493	113.246	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	720053	110.064	ug/l	99

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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

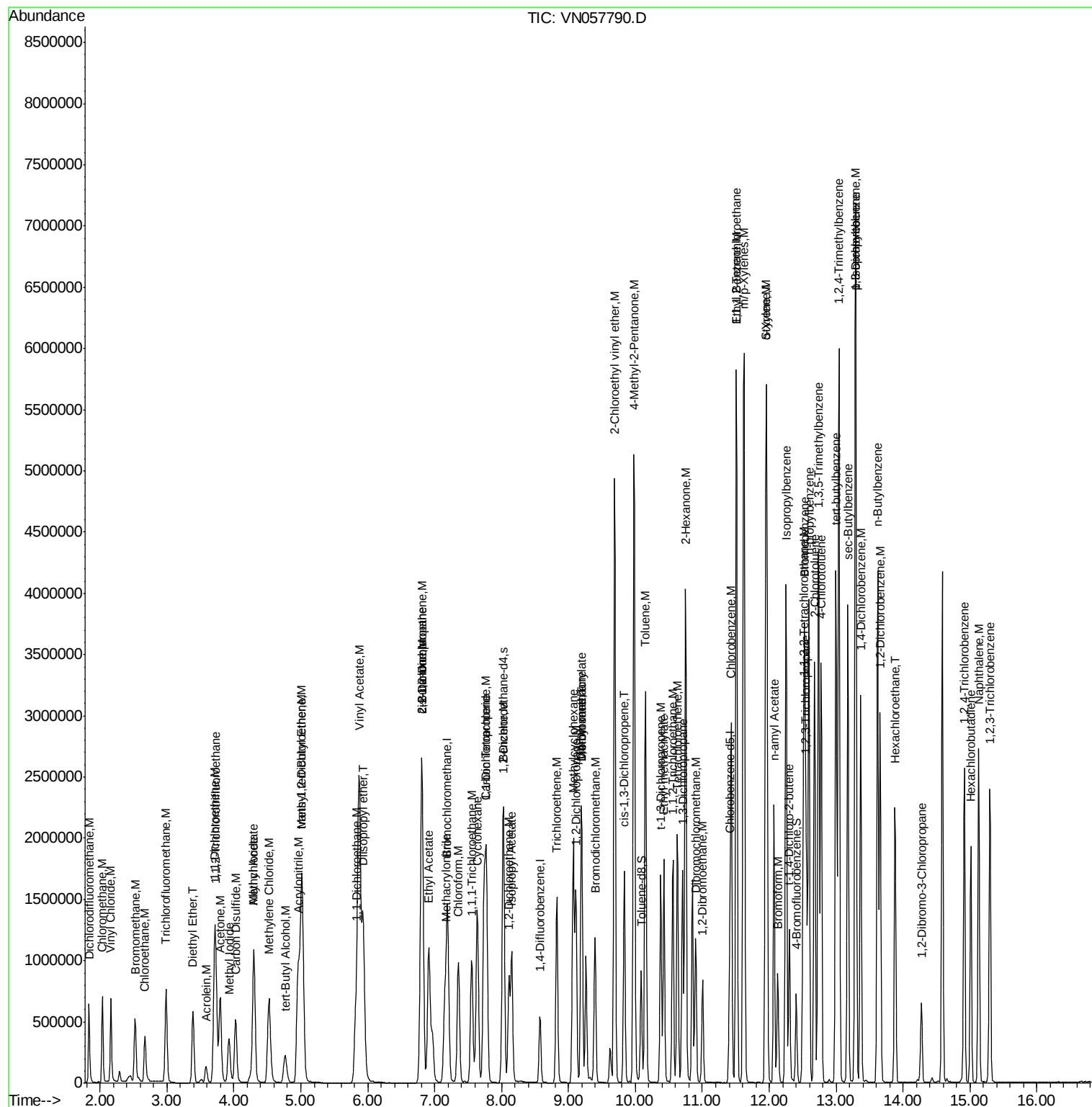
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
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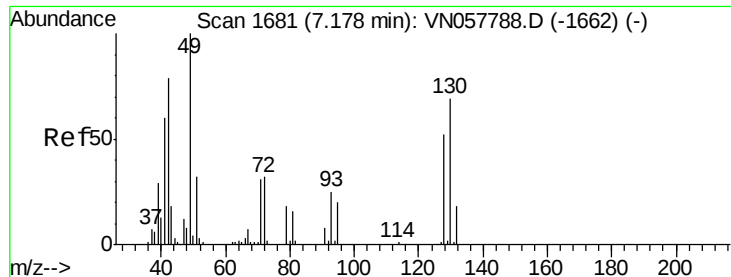
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

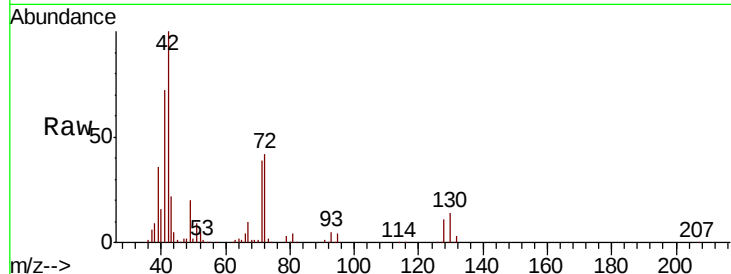
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Lower	Upper
128	100		
49	195.2	0.0	486.5
130	129.3	0.0	324.5

Manual Integrations
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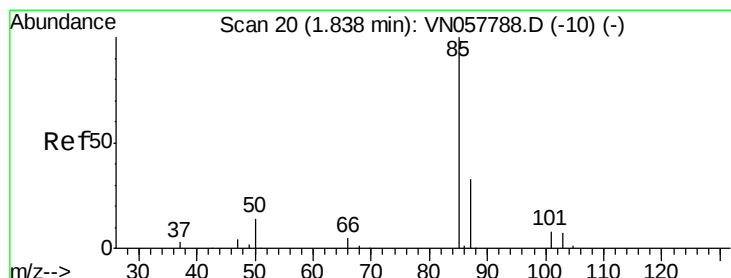
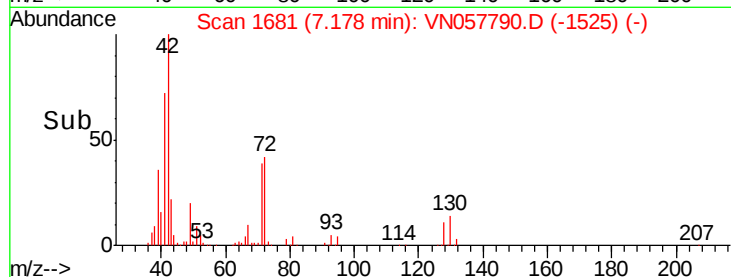
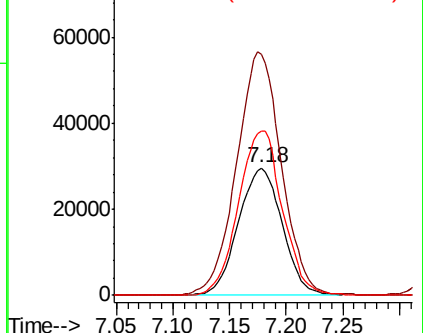
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 101.406 ug/l

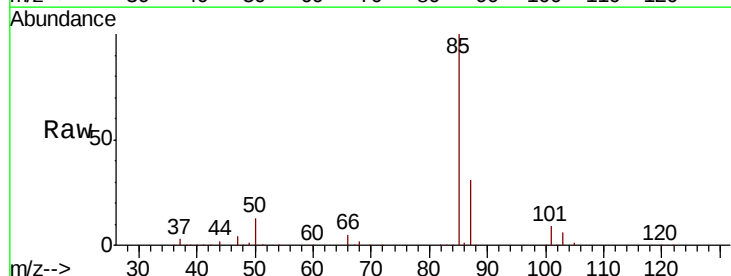
RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN057790.D

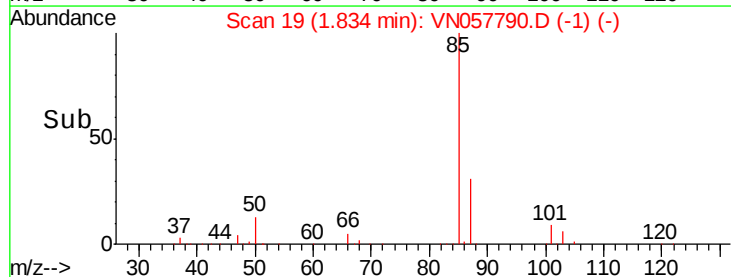
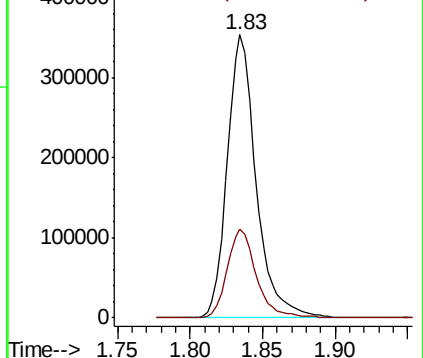
Acq: 9 Sep 2019 10:18

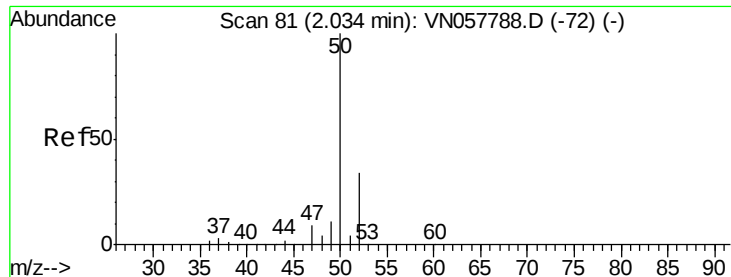
Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.5	16.4	49.4



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 96.234 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 50 Resp: 578473

Ion Ratio Lower Upper

50 100

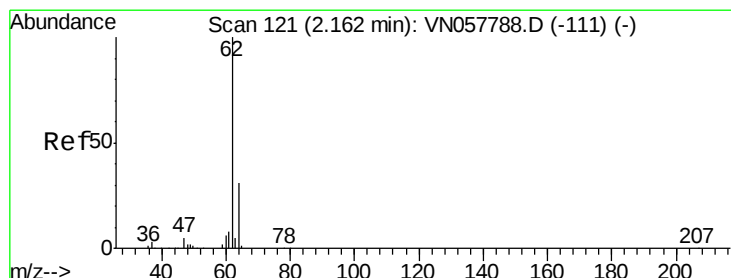
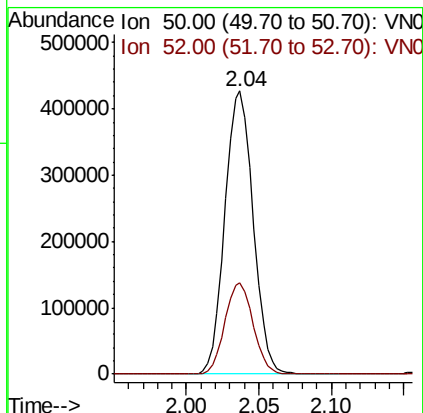
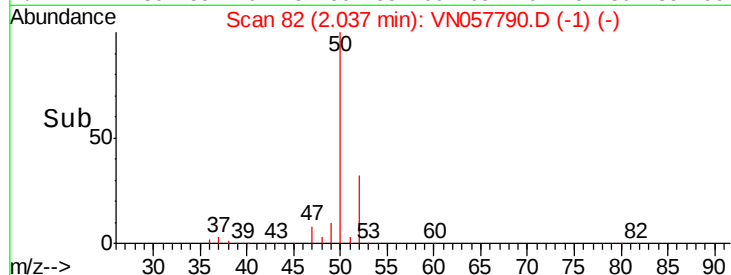
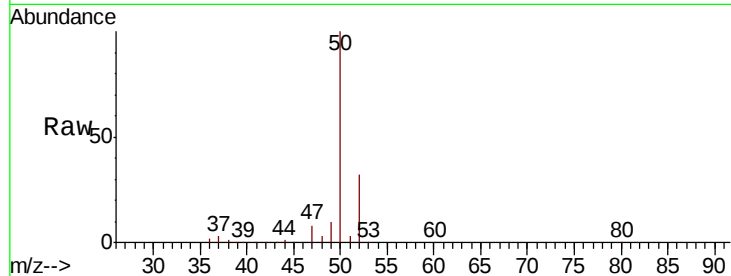
52 32.2 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 96.152 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057790.D

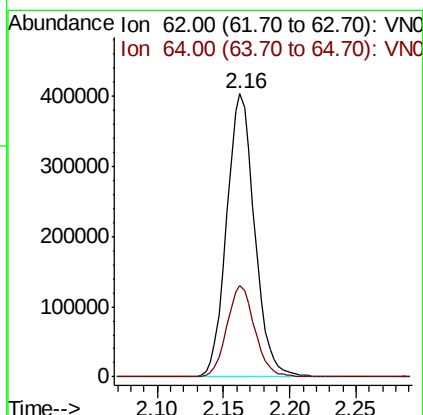
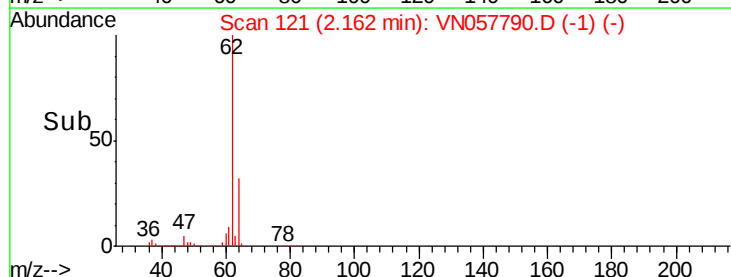
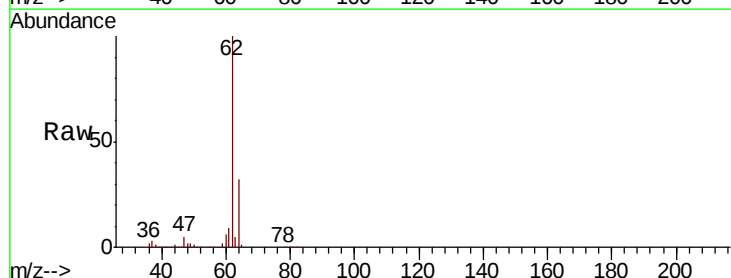
Acq: 9 Sep 2019 10:18

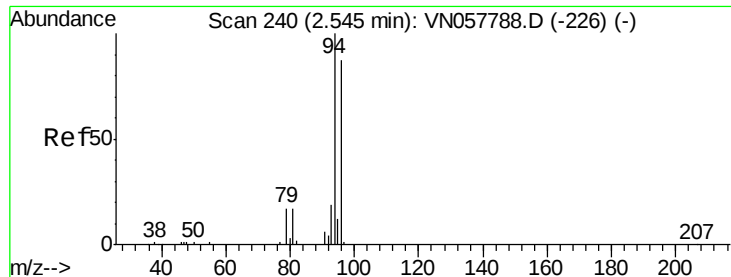
Tgt Ion: 62 Resp: 591357

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6





#5

Bromomethane

Concen: 93.615 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.02 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 94 Resp: 360986

Ion Ratio Lower Upper

94 100

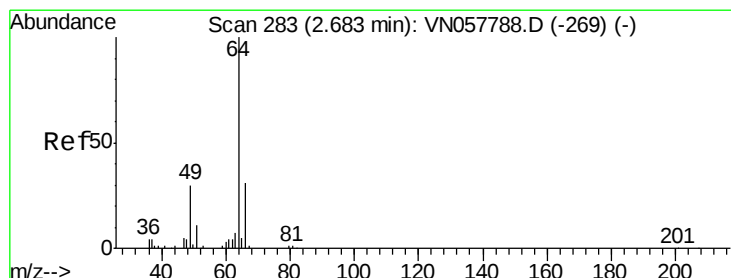
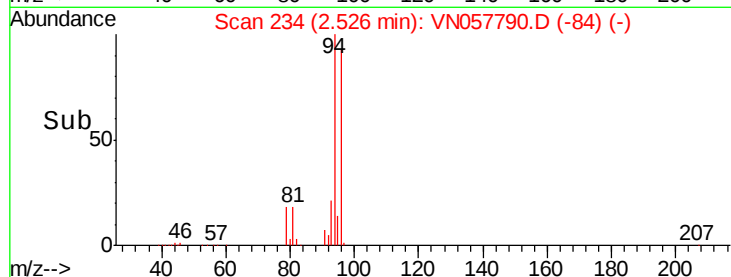
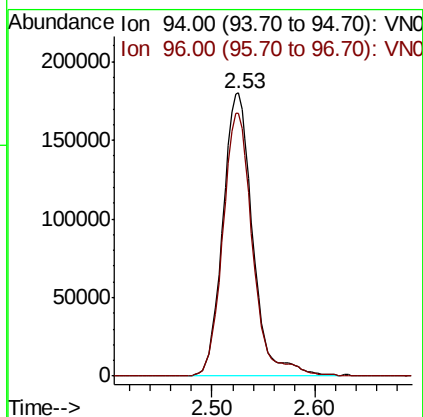
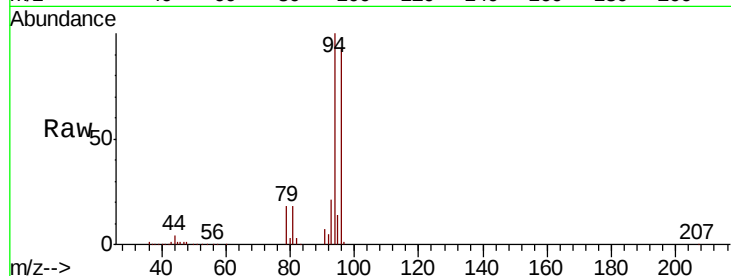
96 93.0 69.2 103.8

Manual Integrations

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#6

Chloroethane

Concen: 94.163 ug/l

RT: 2.67 min Scan# 279

Delta R.T. -0.01 min

Lab File: VN057790.D

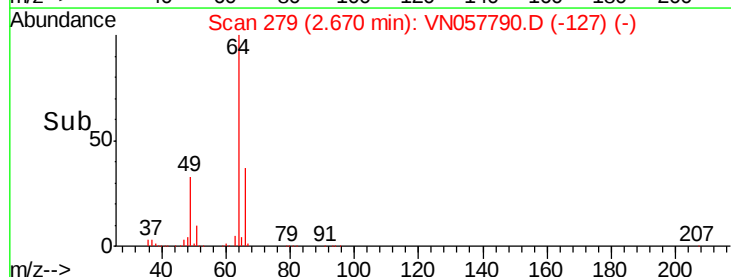
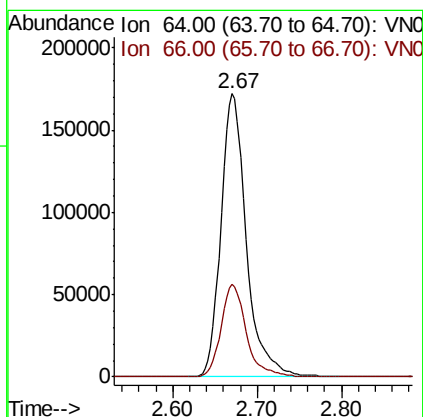
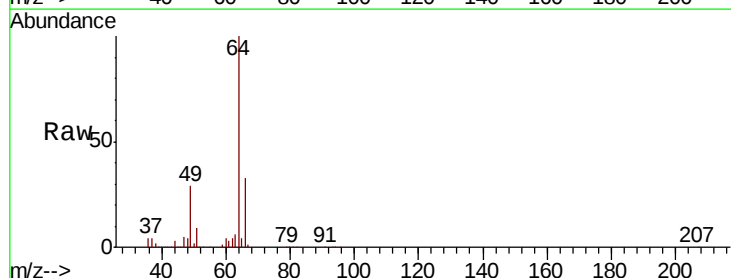
Acq: 9 Sep 2019 10:18

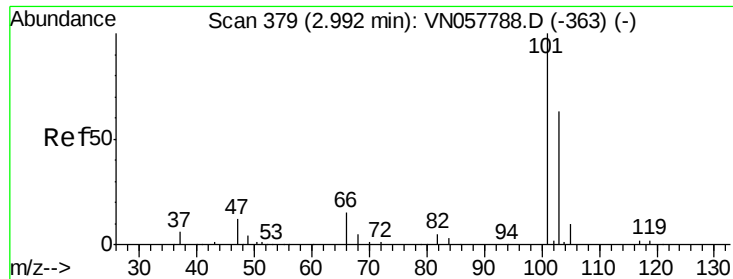
Tgt Ion: 64 Resp: 359911

Ion Ratio Lower Upper

64 100

66 32.6 24.4 36.6





#7

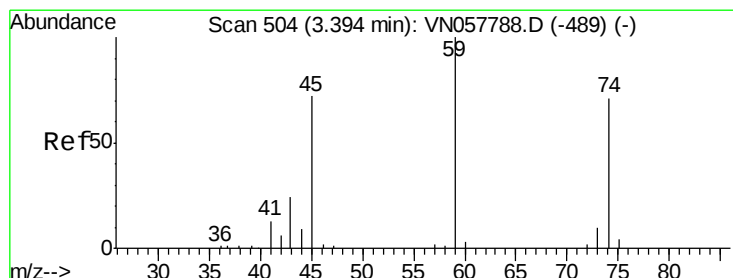
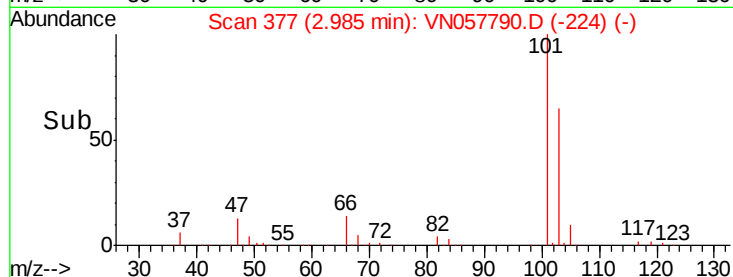
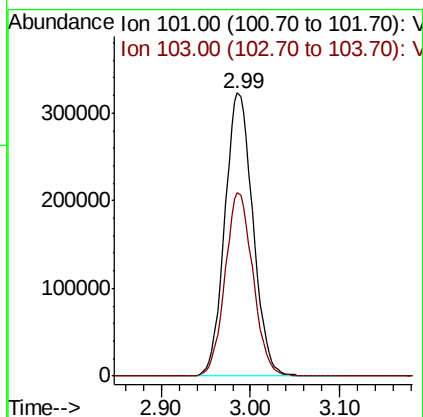
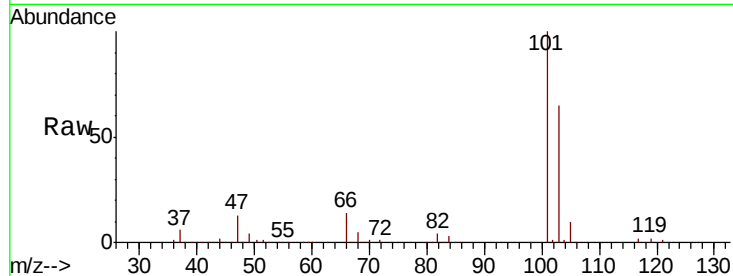
Trichlorofluoromethane
 Concen: 99.116 ug/l
 RT: 2.99 min Scan# 377
 Delta R.T. -0.01 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 101 Resp: 704263
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.2 75.2

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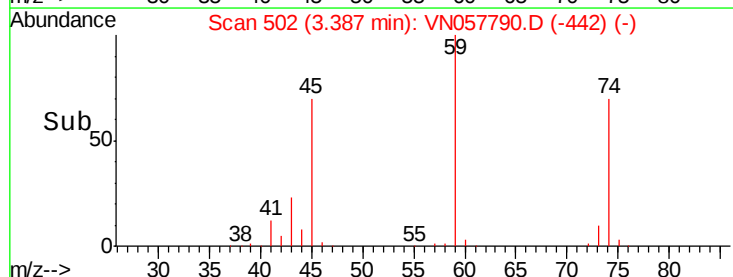
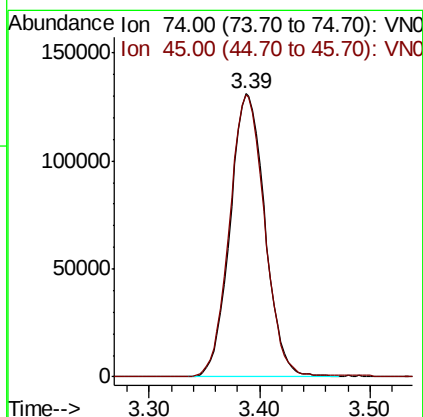
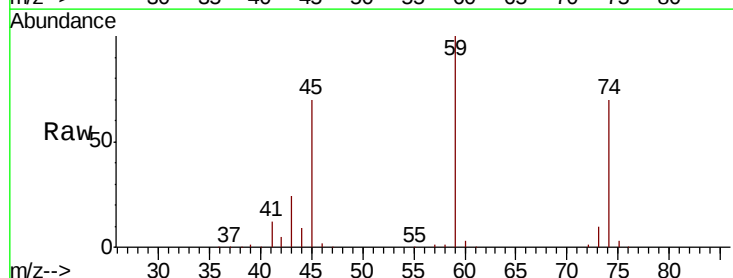
MMDadoda
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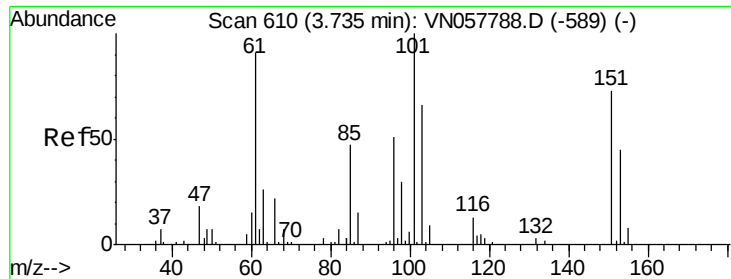


#8

Diethyl Ether
 Concen: 100.152 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion: 74 Resp: 287077
 Ion Ratio Lower Upper
 74 100
 45 99.9 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 98.037 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

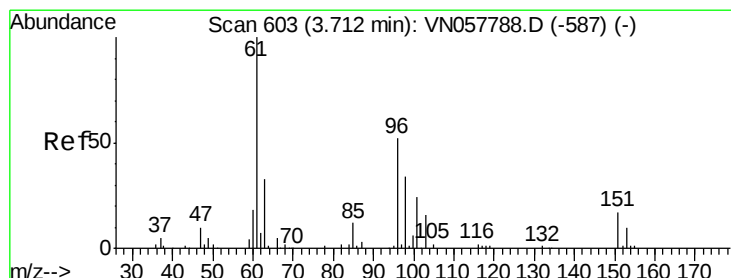
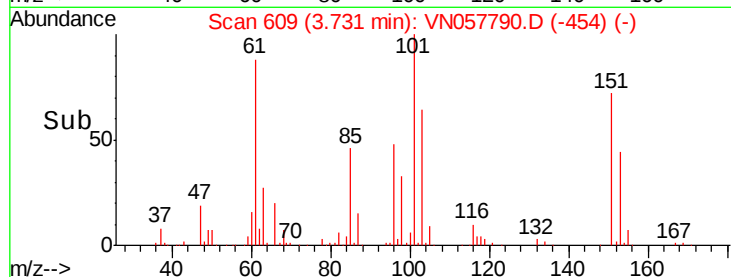
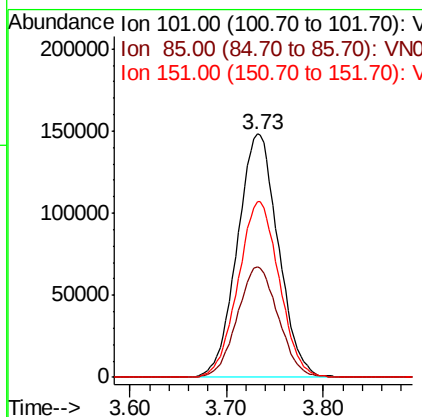
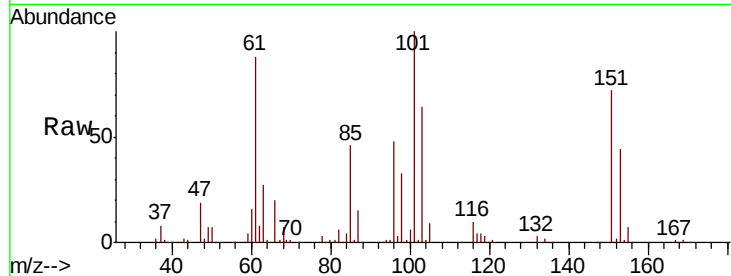
ClientSampleId :

VSTDIC100

Tgt Ion:	101	Resp:	434974
Ion Ratio	Lower	Upper	
101	100		
85	45.6	0.0	94.0
151	72.6	0.0	144.4

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#10

1,1-Dichloroethene

Concen: 97.750 ug/l

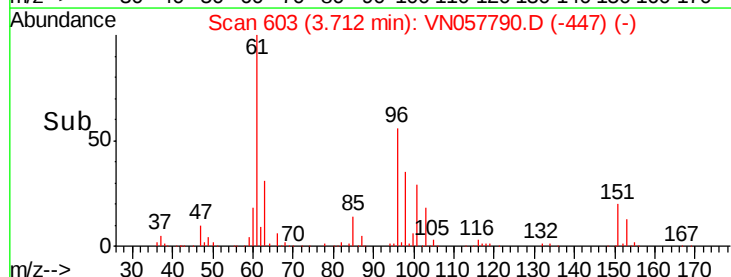
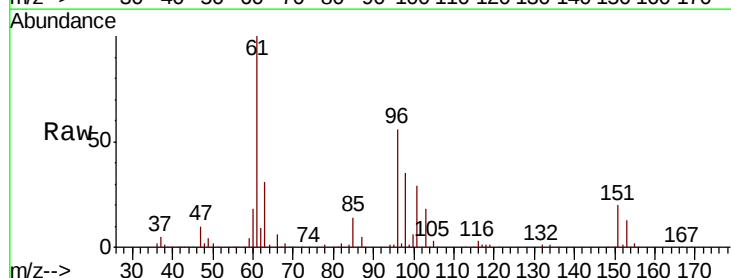
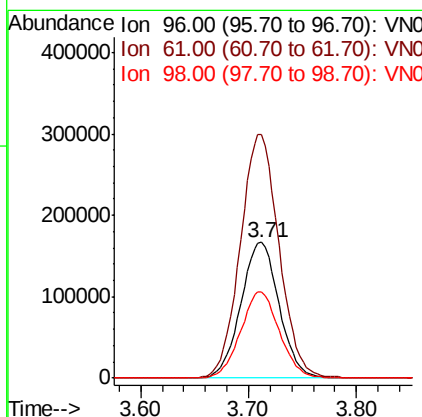
RT: 3.71 min Scan# 603

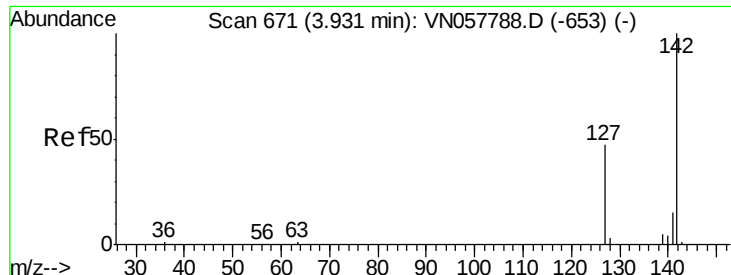
Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Tgt Ion:	96	Resp:	412414
Ion Ratio	Lower	Upper	
96	100		
61	178.8	153.4	230.0
98	63.0	51.5	77.3





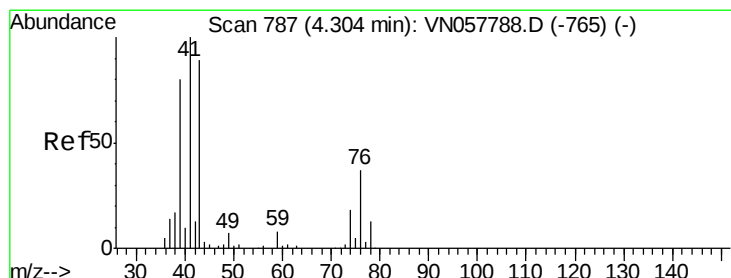
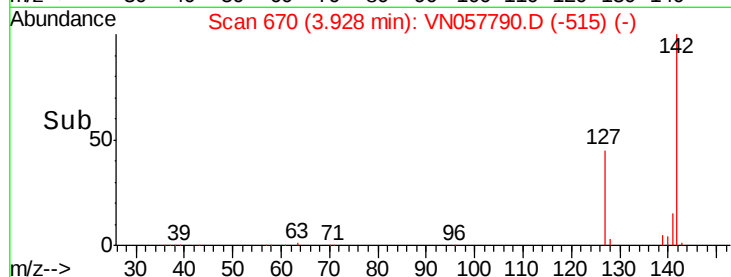
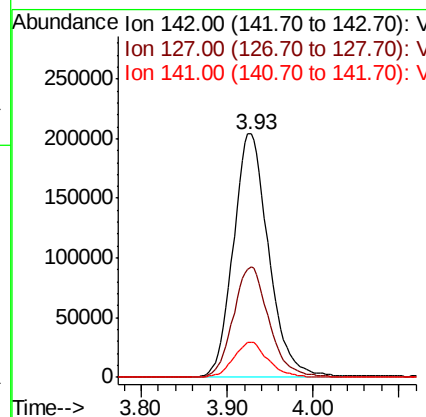
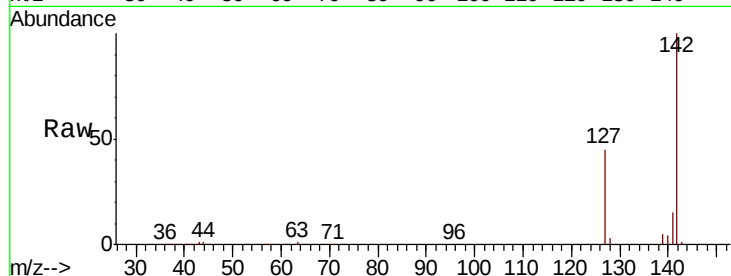
#11
Methyl Iodide
Concen: 103.390 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.3	23.3	69.8
141	14.6	7.5	22.6

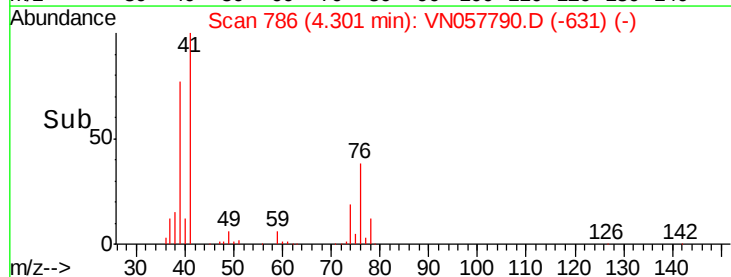
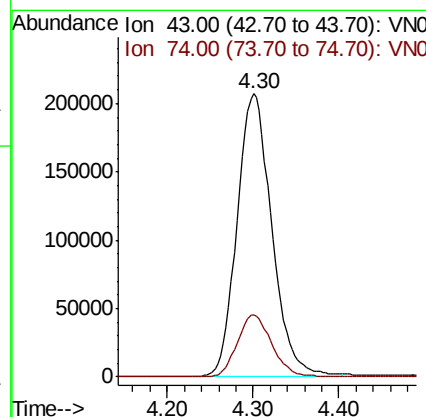
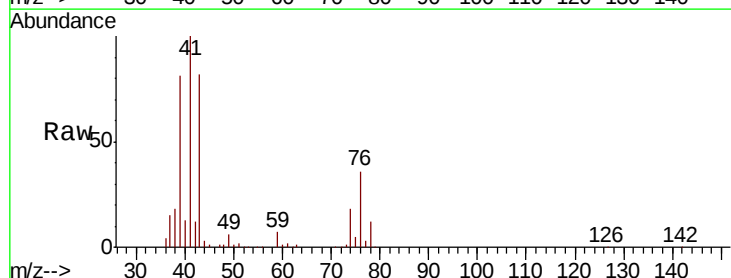
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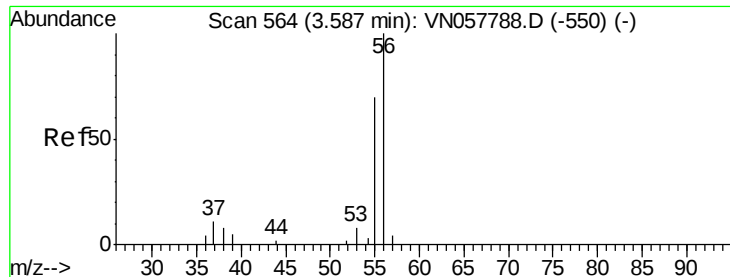
MMDadoda
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#12
Methyl Acetate
Concen: 99.991 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	16.2	24.4





#13

Acrolein

Concen: 455.762 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 143176

Ion Ratio Lower Upper

56 100

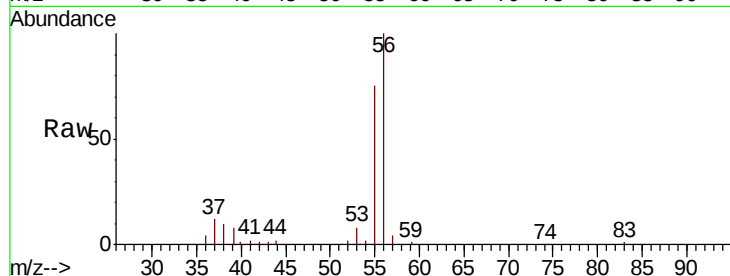
55 72.7 59.0 88.4

Manual Integrations

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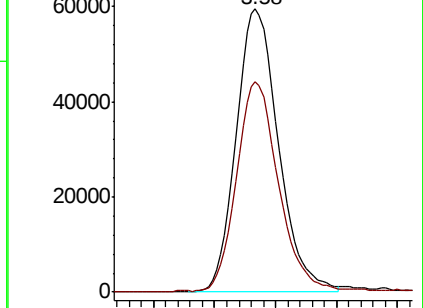
MMDadoda

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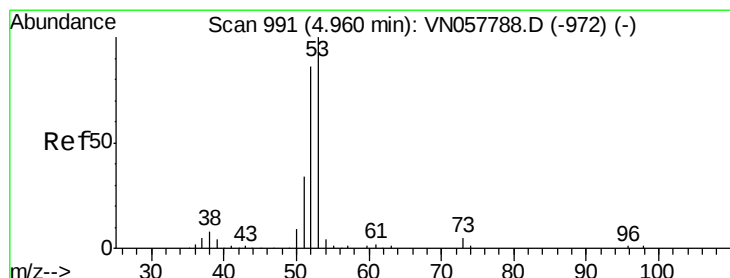
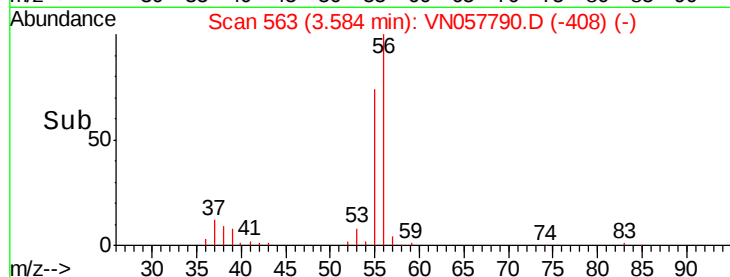


Abundance Ion 56.00 (55.70 to 56.70): VN057788.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN057788.D (-550) (-)



Time-->



#14

Acrylonitrile

Concen: 514.133 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

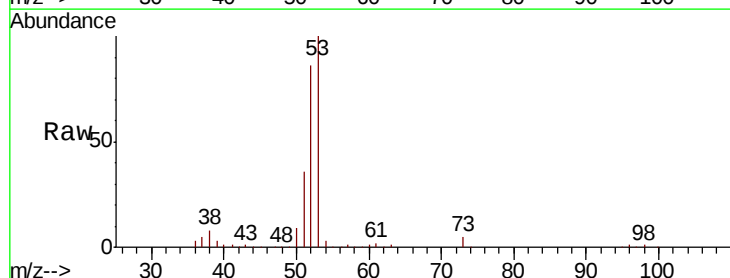
Tgt Ion: 53 Resp: 1213523

Ion Ratio Lower Upper

53 100

52 83.5 41.0 123.0

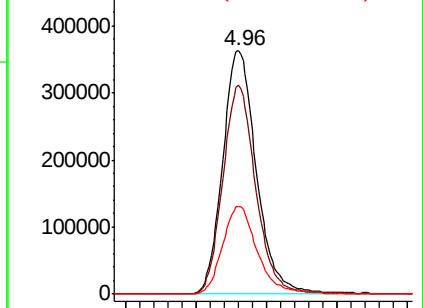
51 37.1 8.6 25.8#



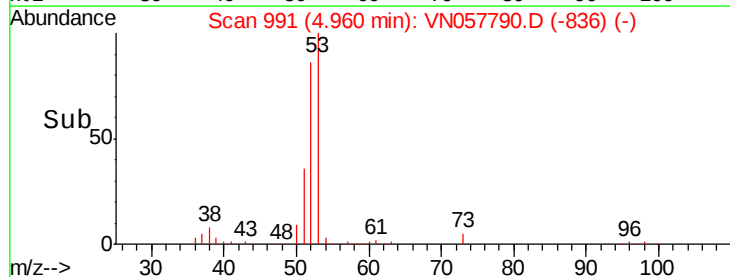
Abundance Ion 53.00 (52.70 to 53.70): VN057788.D (-972) (-)

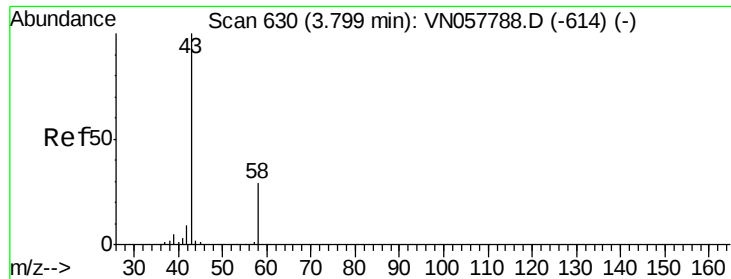
Ion 52.00 (51.70 to 52.70): VN057788.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN057788.D (-972) (-)



Time-->





#15

Acetone

Concen: 488.806 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 58 Resp: 327546

Ion Ratio Lower Upper

58 100

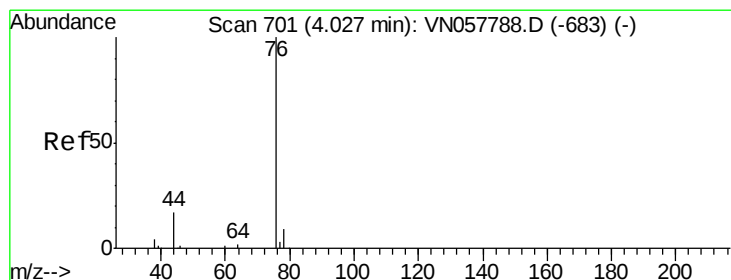
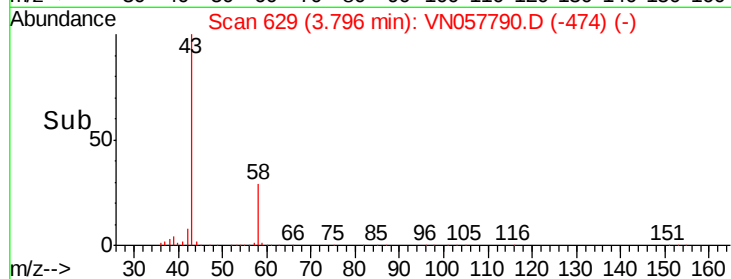
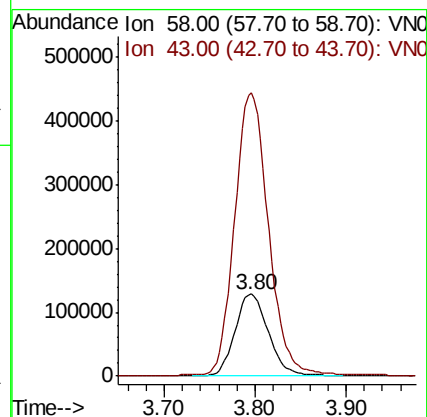
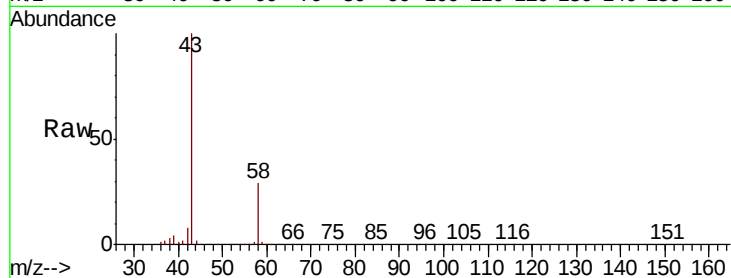
43 344.2 277.7 416.5

Manual Integrations

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#16

Carbon Disulfide

Concen: 101.972 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057790.D

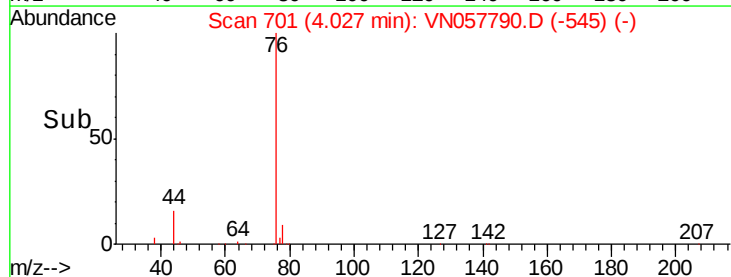
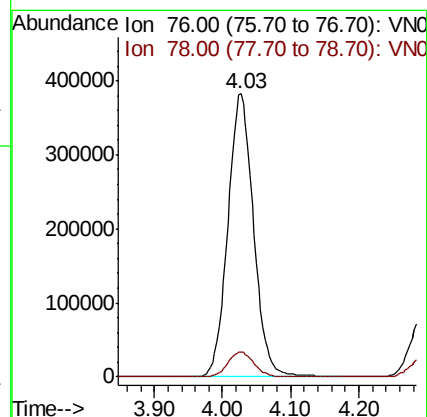
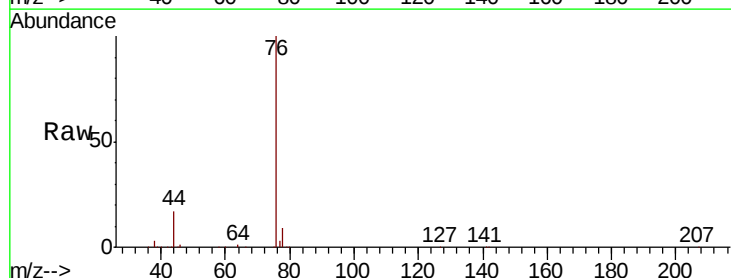
Acq: 9 Sep 2019 10:18

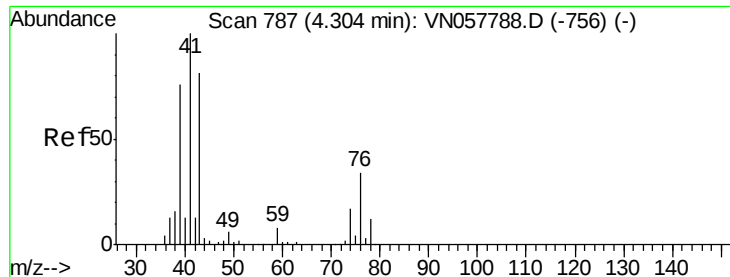
Tgt Ion: 76 Resp: 1001828

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





#17

Allyl chloride

Concen: 103.061 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.01 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

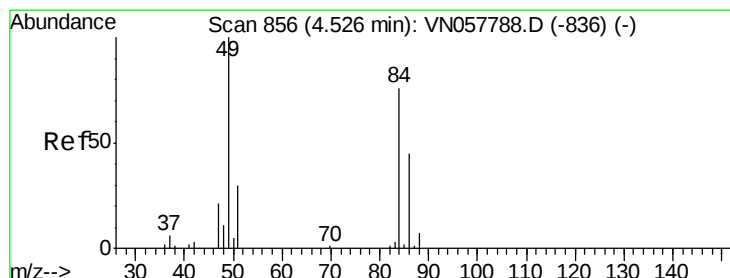
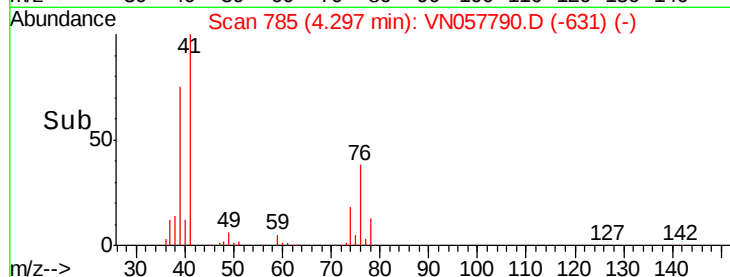
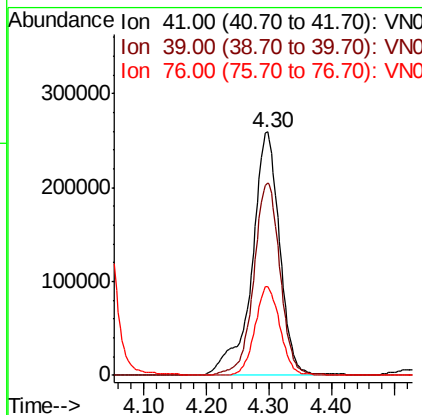
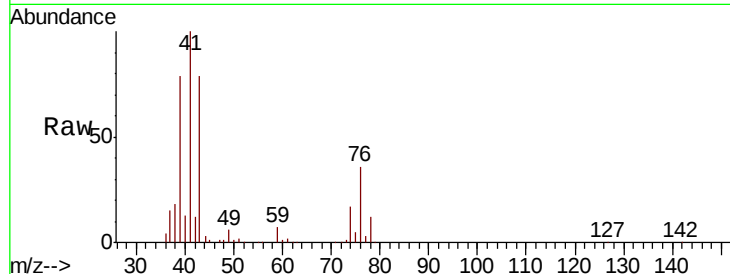
ClientSampleId :

VSTDIC100

Tgt Ion:	41	Resp:	796762
Ion	Ratio	Lower	Upper
41	100		
39	78.9	38.5	115.3
76	36.2	17.2	51.6

Manual Integrations
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#18

Methylene Chloride

Concen: 95.833 ug/l

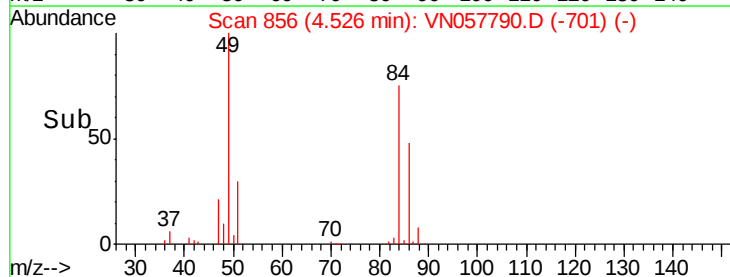
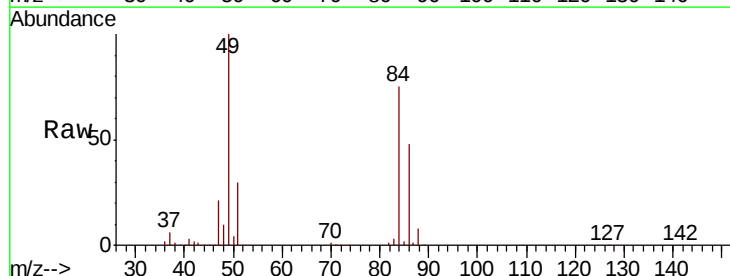
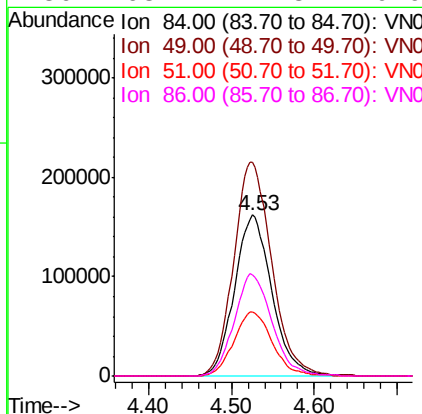
RT: 4.53 min Scan# 856

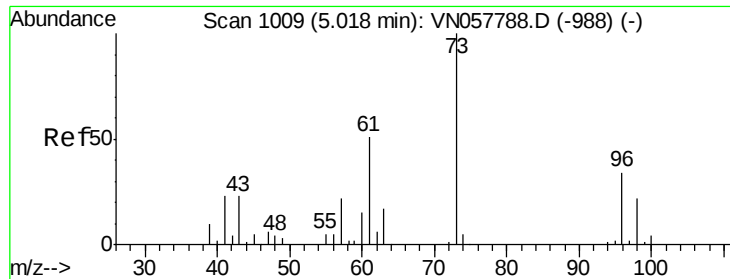
Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Tgt Ion:	84	Resp:	509512
Ion	Ratio	Lower	Upper
84	100		
49	132.6	105.4	158.2
51	39.6	31.3	46.9
86	63.2	47.3	70.9





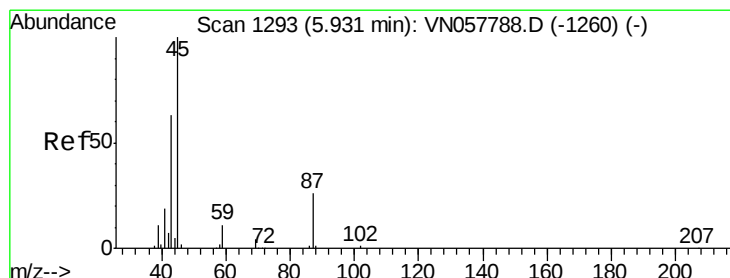
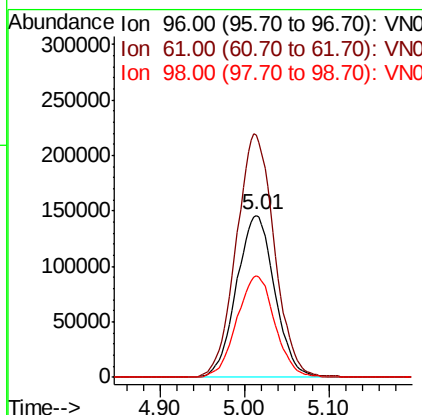
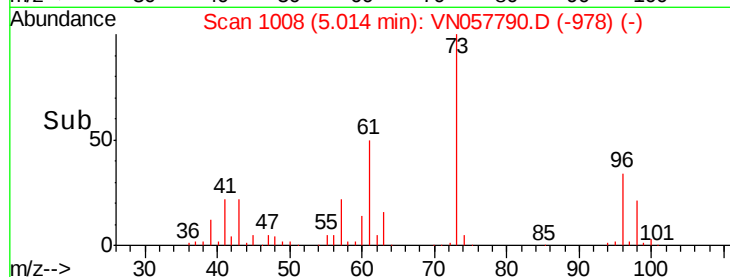
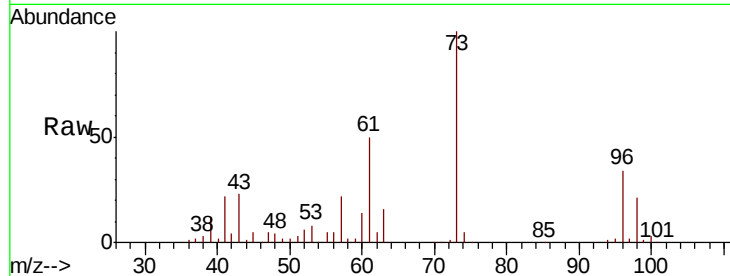
#19
trans-1,2-Dichloroethene
Concen: 97.667 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.5	121.0	181.6
98	62.9	52.7	79.1

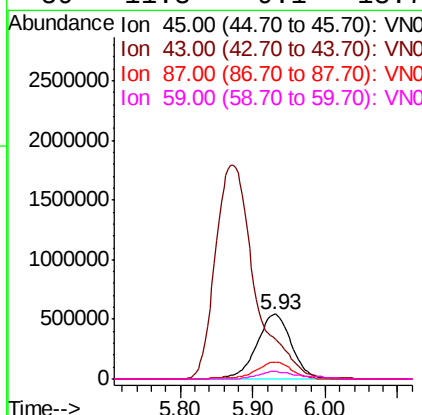
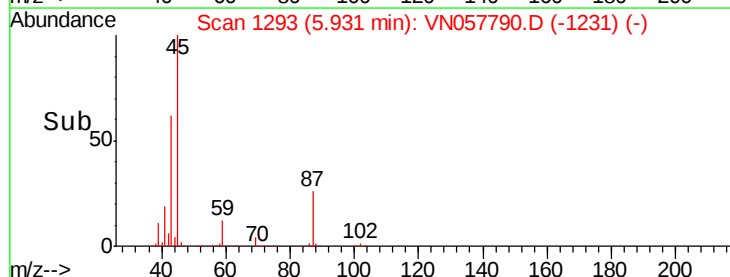
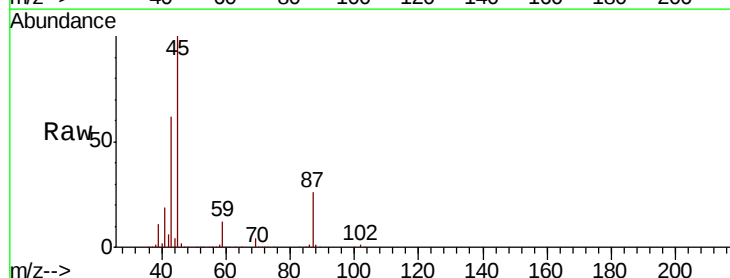
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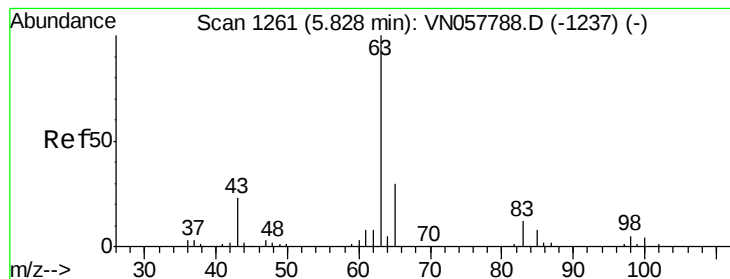
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#20
Diisopropyl ether
Concen: 100.809 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.3	55.2	82.8
87	26.2	21.3	31.9
59	11.3	9.1	13.7





#21

1,1-Dichloroethane

Concen: 98.854 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

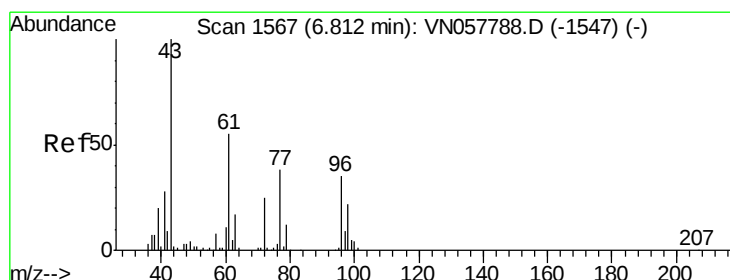
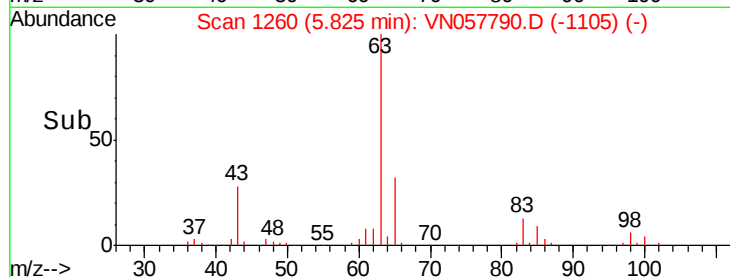
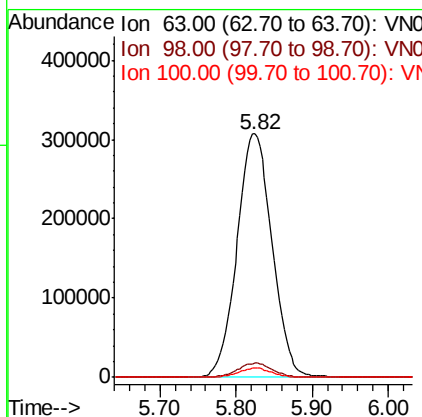
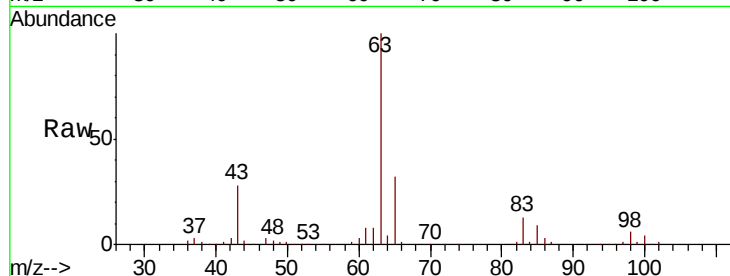
ClientSampleId :

VSTDIC100

Tgt Ion:	63	Resp:	985157
Ion	Ratio	Lower	Upper
63	100		
98	5.7	2.8	8.3
100	4.0	1.8	5.5

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#22

cis-1,2-Dichloroethene

Concen: 99.029 ug/l

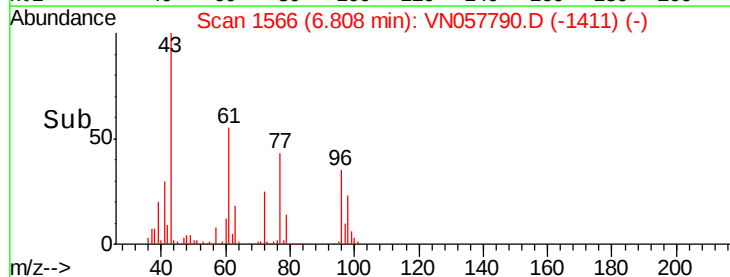
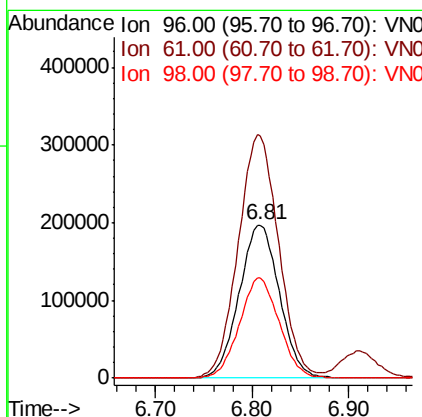
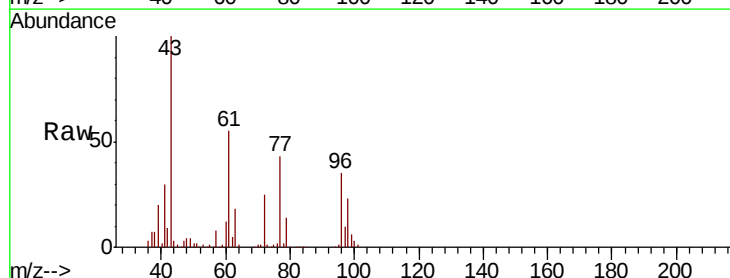
RT: 6.81 min Scan# 1566

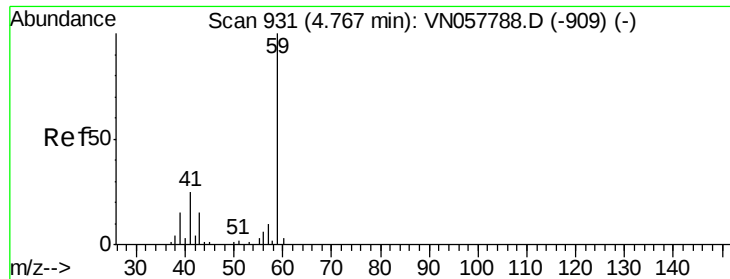
Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Tgt Ion:	96	Resp:	570555
Ion	Ratio	Lower	Upper
96	100		
61	159.3	127.4	191.0
98	64.5	51.5	77.3





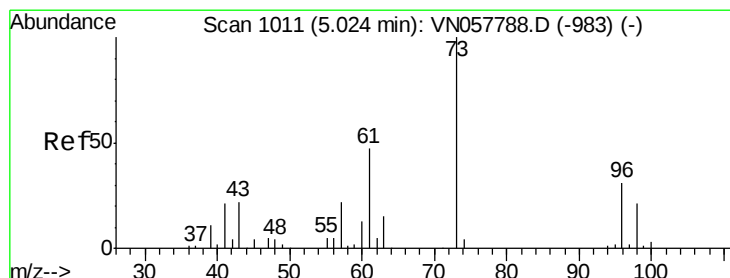
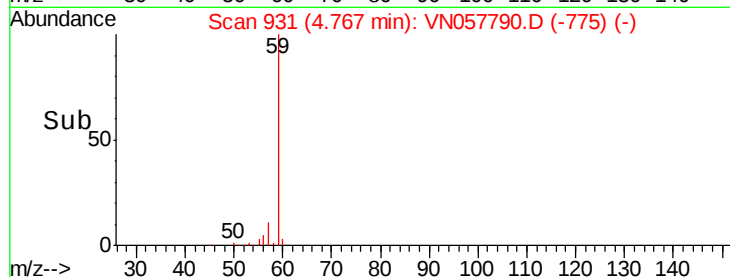
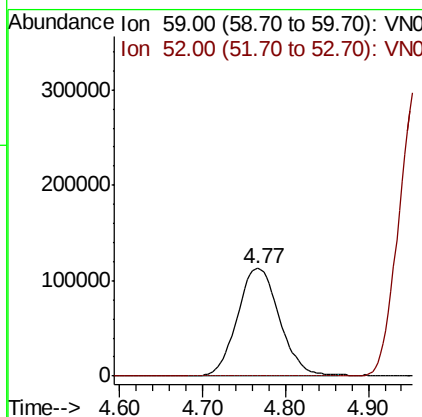
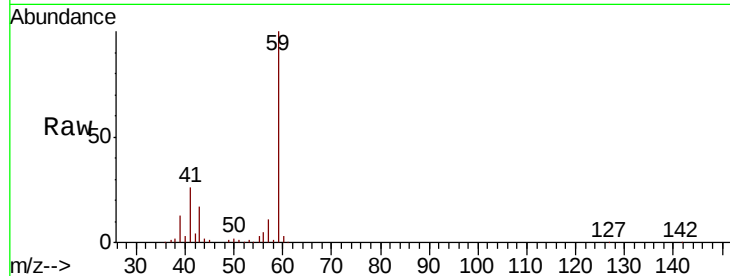
#23
 tert-Butyl Alcohol
 Concen: 519.278 ug/l
 RT: 4.77 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 59 Resp: 400129
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#

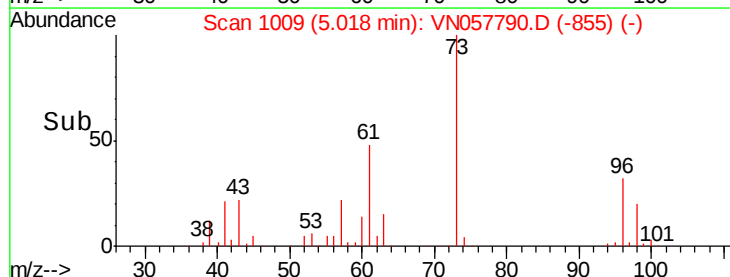
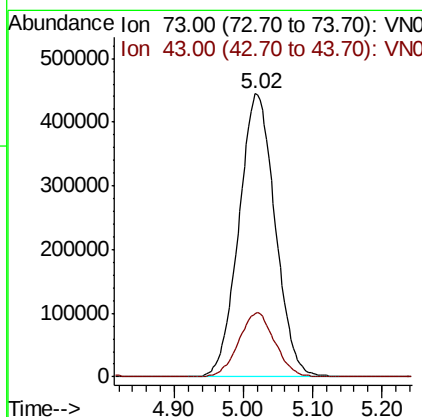
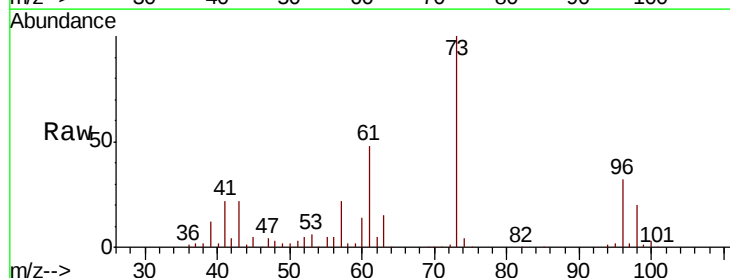
Manual Integrations
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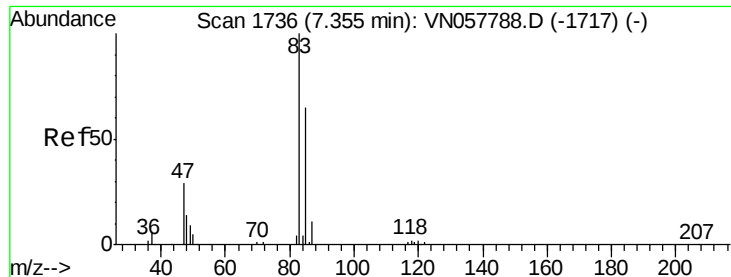
MMDadoda
 9/13/2019 11:04:45 AM



#24
 Methyl tert-Butyl Ether
 Concen: 99.952 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. -0.01 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion: 73 Resp: 1616131
 Ion Ratio Lower Upper
 73 100
 43 22.4 0.0 0.0#





#25

Chloroform

Concen: 98.602 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 1000409

Ion Ratio Lower Upper

83 100

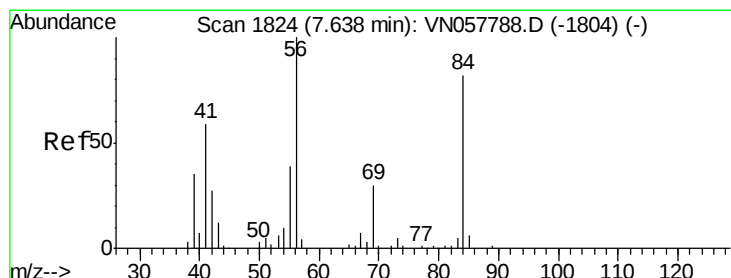
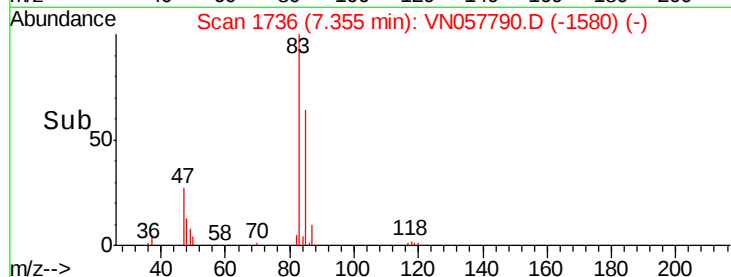
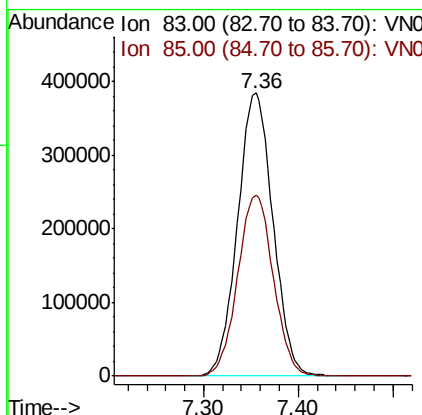
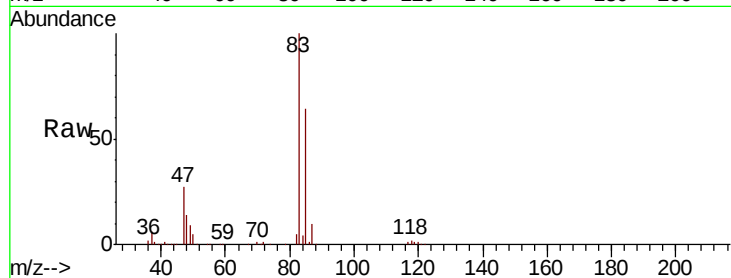
85 64.0 51.8 77.6

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#26

Cyclohexane

Concen: 99.886 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

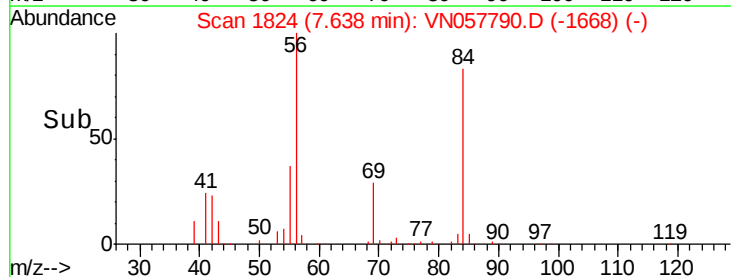
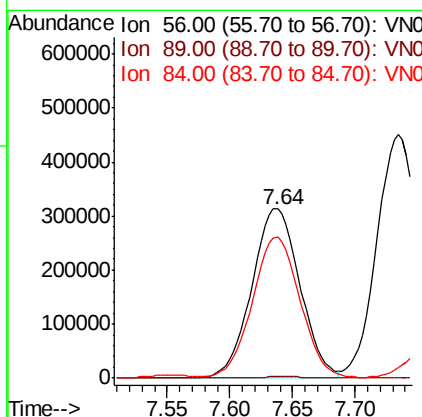
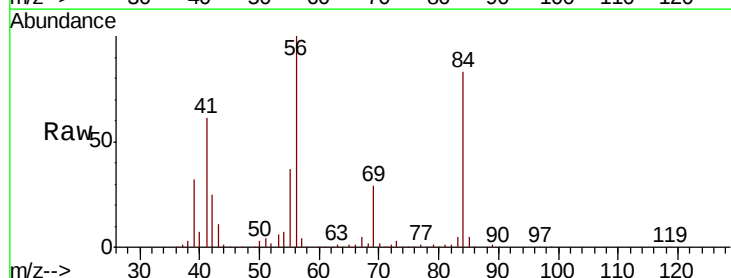
Tgt Ion: 56 Resp: 836383

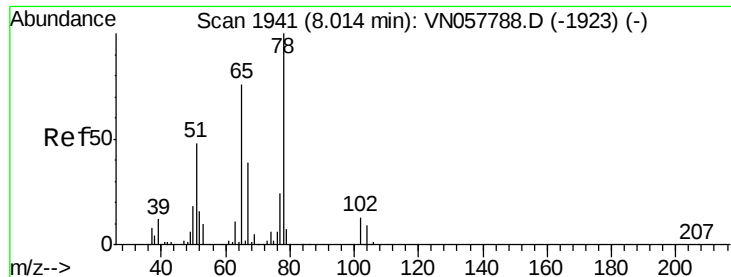
Ion Ratio Lower Upper

56 100

89 0.8 0.3 0.5#

84 83.1 66.6 100.0





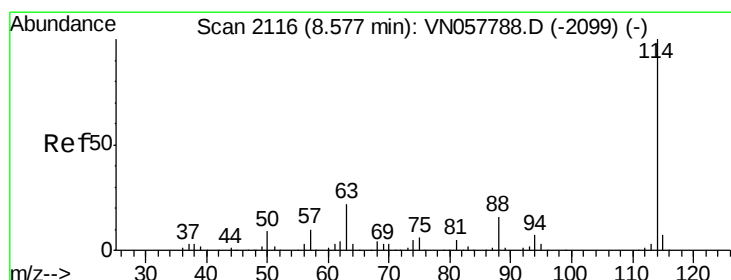
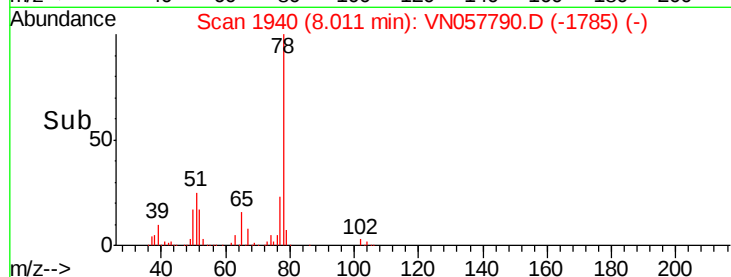
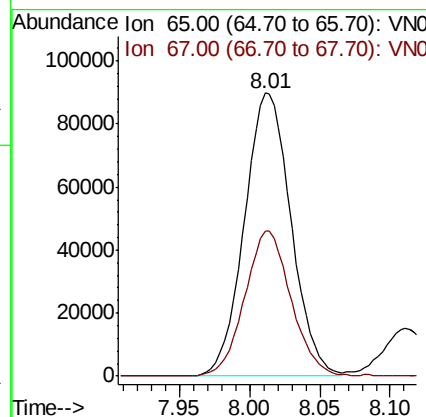
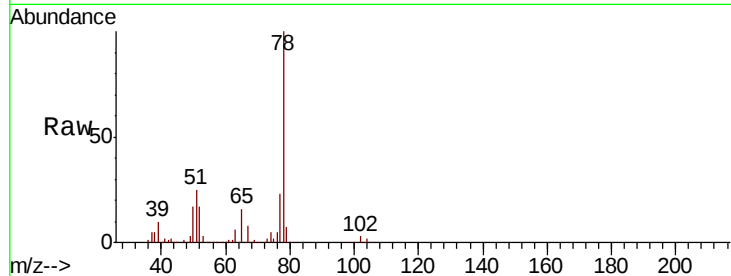
#27
 1,2-Dichloroethane-d4
 Concen: 29.417 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 65 Resp: 207620
 Ion Ratio Lower Upper
 65 100
 67 51.0 40.9 61.3

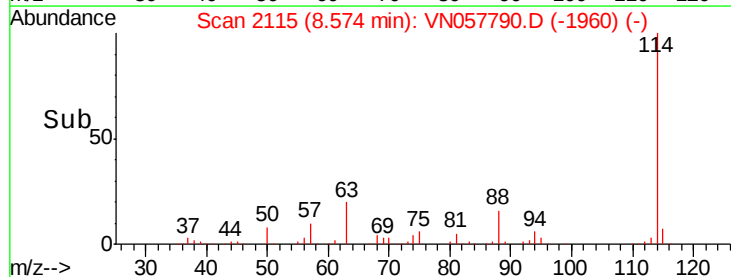
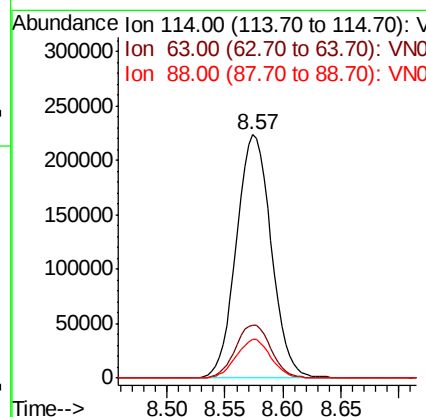
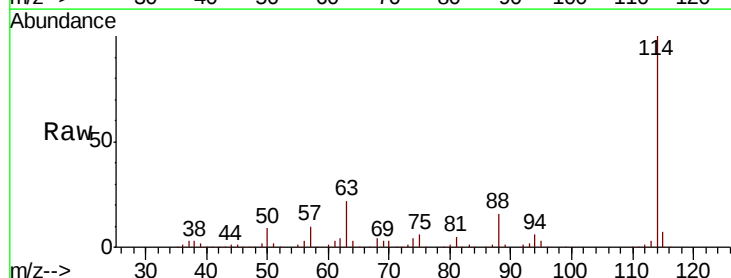
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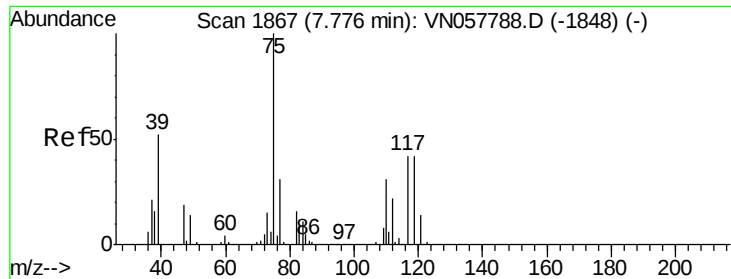
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion: 114 Resp: 467710
 Ion Ratio Lower Upper
 114 100
 63 22.4 18.0 27.0
 88 15.8 12.6 19.0





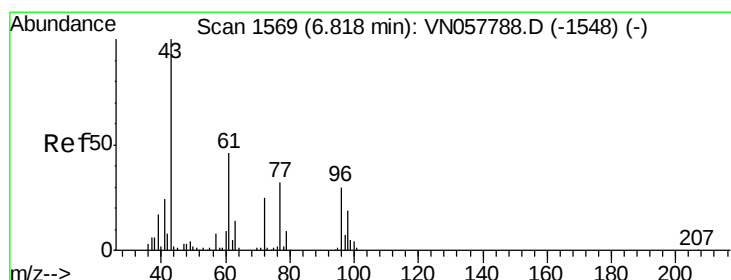
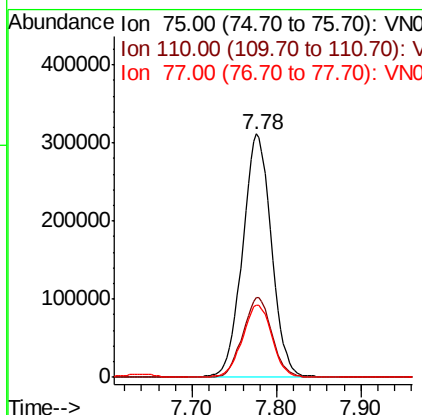
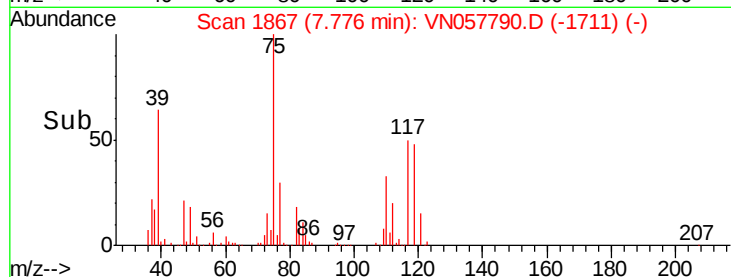
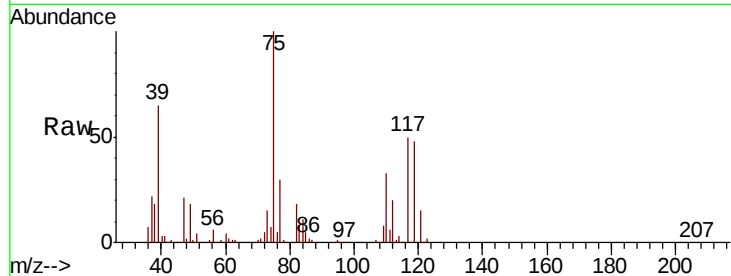
#29
 1,1-Dichloropropene
 Concen: 100.815 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	32.9	0.0	63.8
77	30.6	0.0	60.0

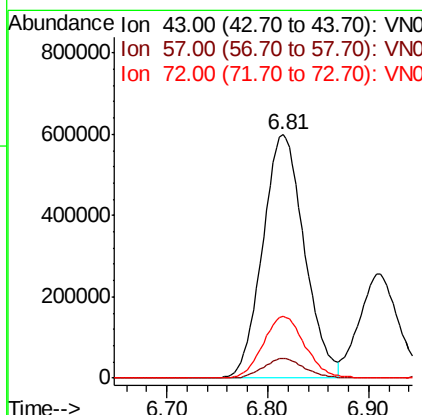
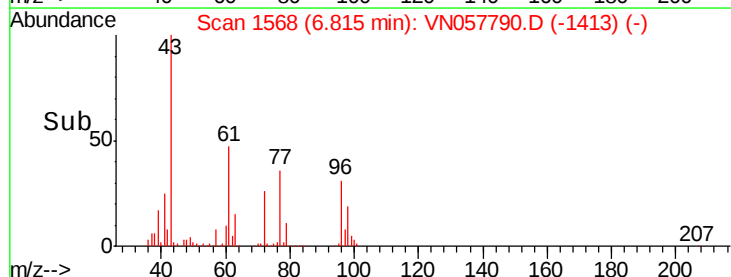
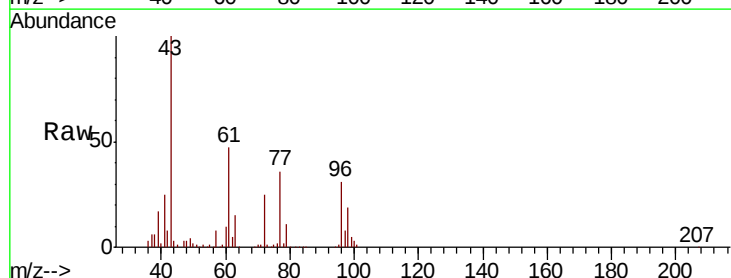
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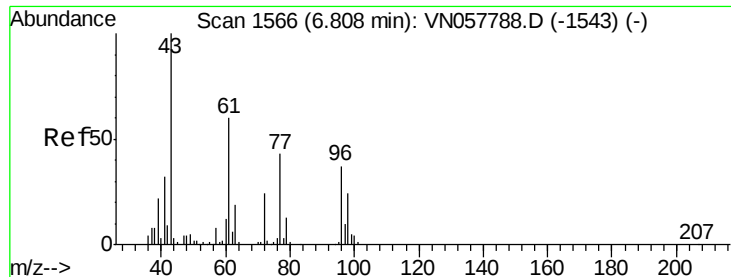
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#30
 2-Butanone
 Concen: 517.750 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	8.0	6.4	9.6
72	25.6	20.3	30.5





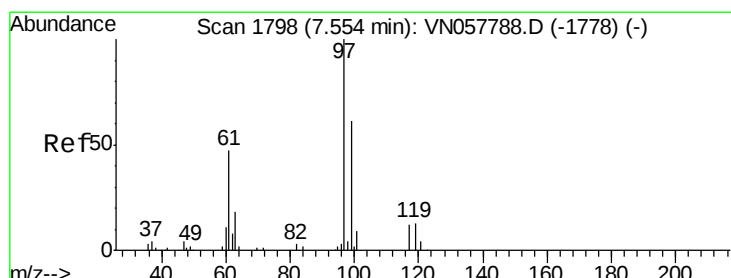
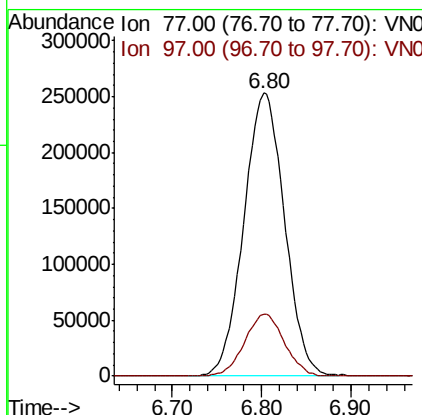
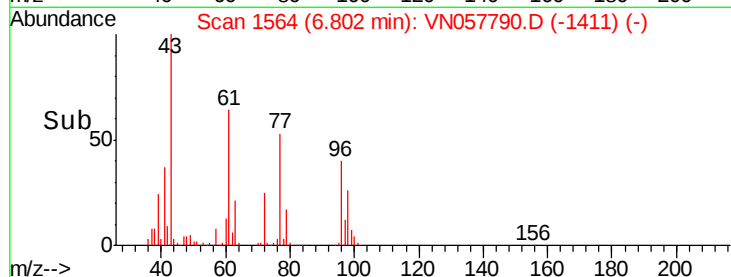
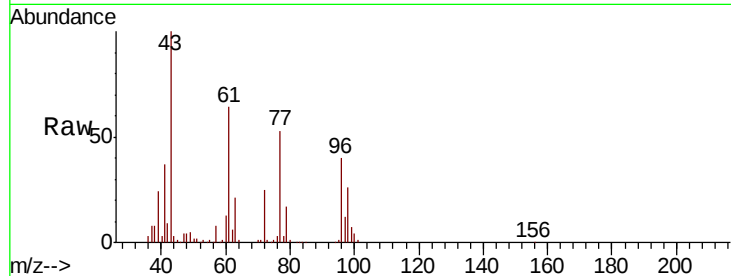
#31
 2,2-Dichloropropane
 Concen: 103.664 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tgt Ion: 77 Resp: 805282
 Ion Ratio Lower Upper
 77 100
 97 21.4 17.7 26.5

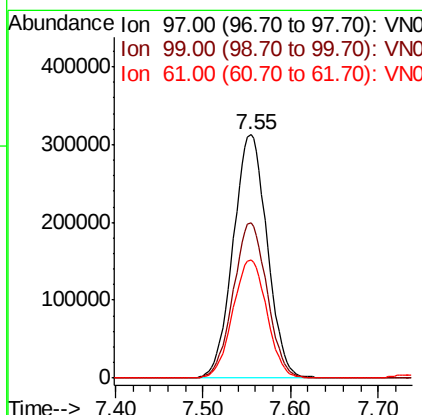
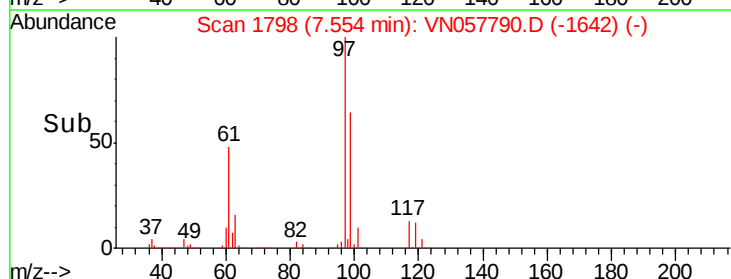
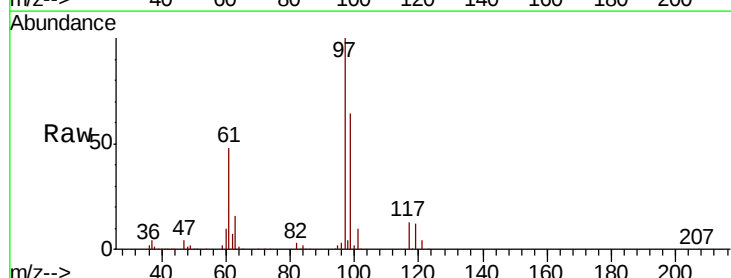
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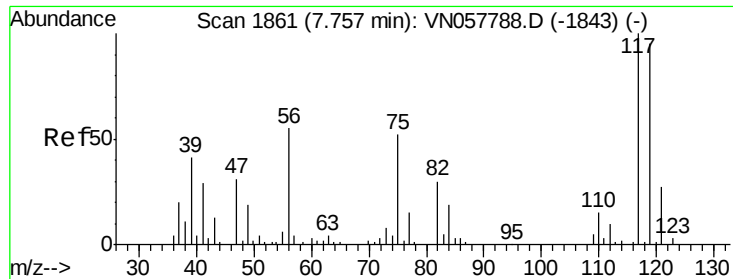
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#32
 1,1,1-Trichloroethane
 Concen: 101.916 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion: 97 Resp: 843104
 Ion Ratio Lower Upper
 97 100
 99 63.5 49.8 74.8
 61 48.7 38.7 58.1





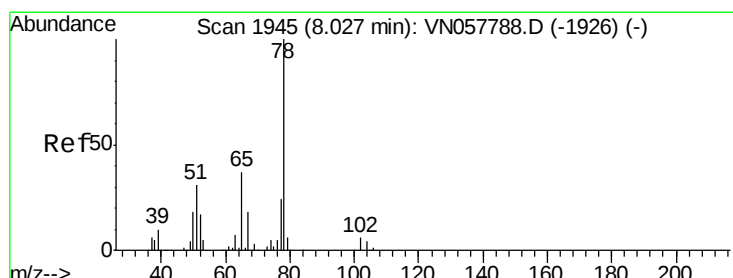
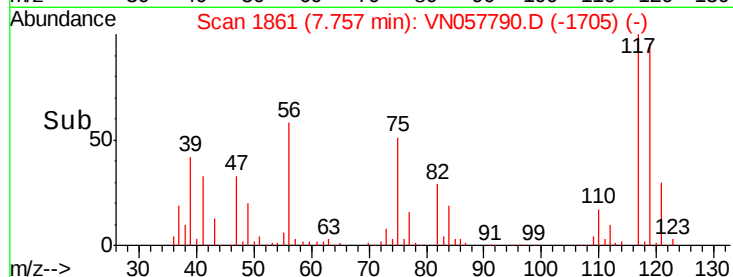
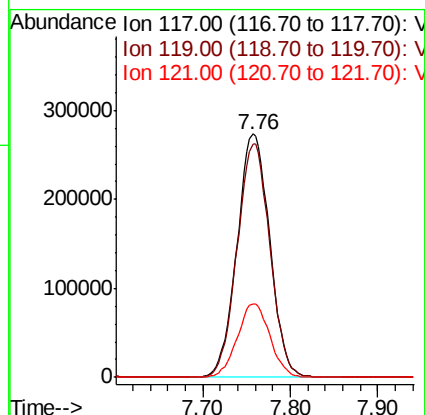
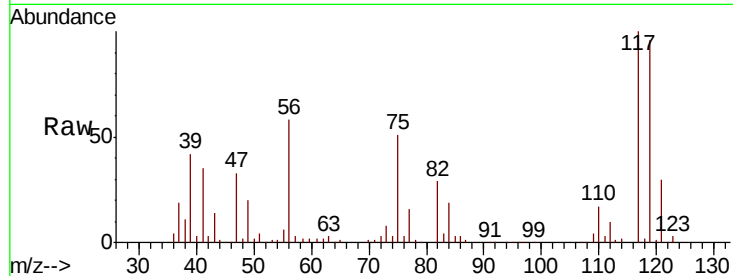
#33
Carbon Tetrachloride
Concen: 105.211 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.7	113.5
121	30.4	21.7	32.5

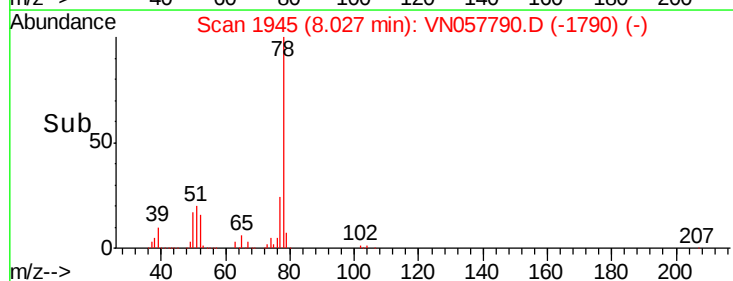
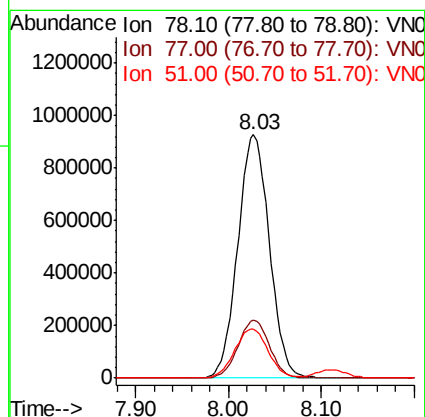
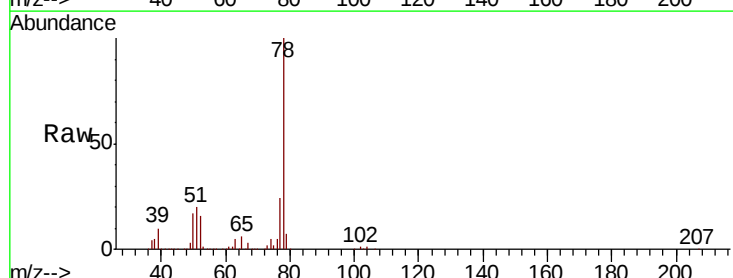
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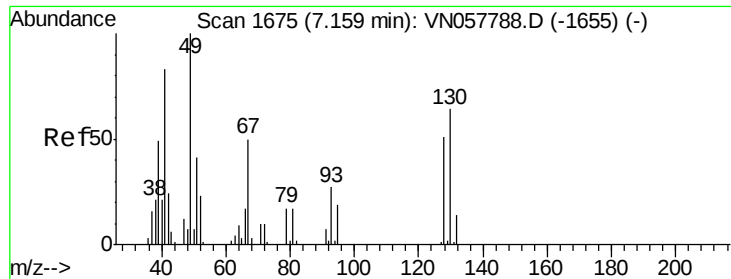
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#34
Benzene
Concen: 100.492 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.2	28.8
51	19.9	24.9	37.3#





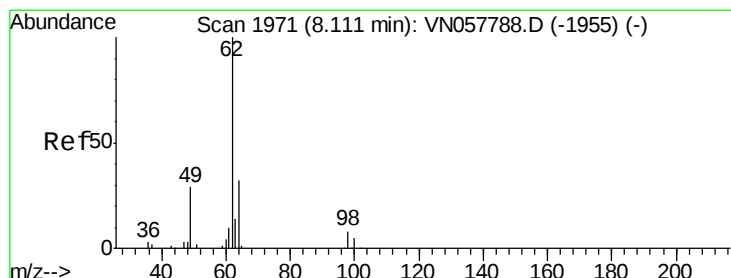
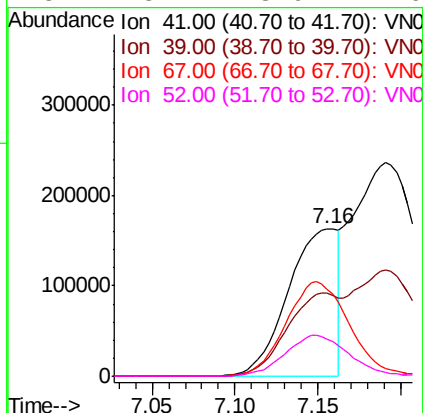
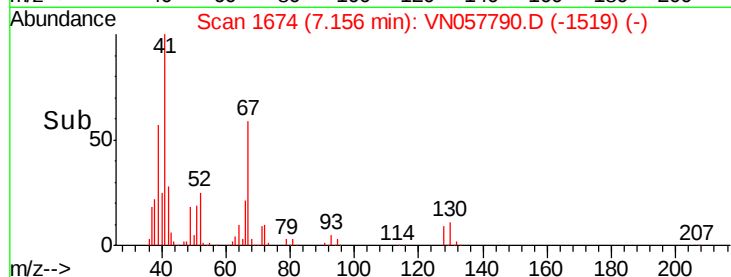
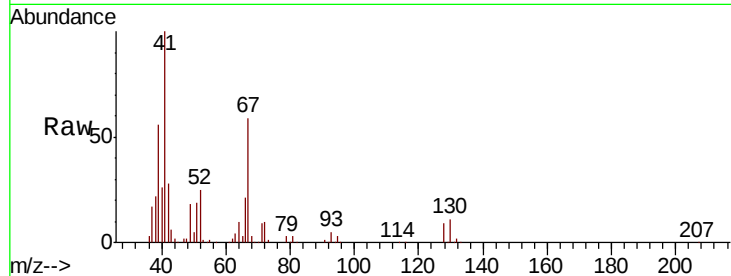
#35
Methacrylonitrile
Concen: 112.250 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.4	29.8	89.5
67	59.2	30.0	90.1
52	25.1	13.9	41.6

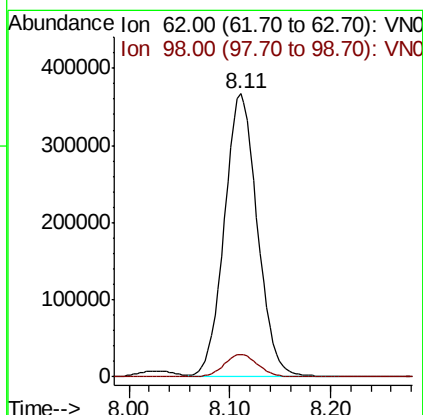
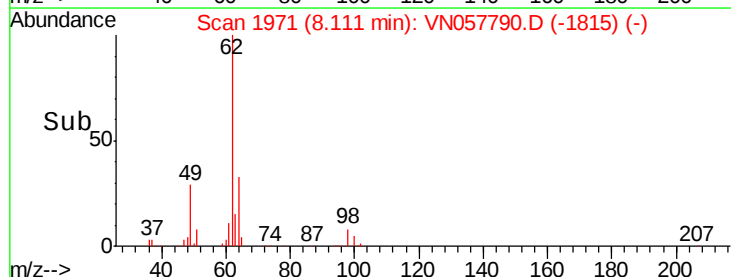
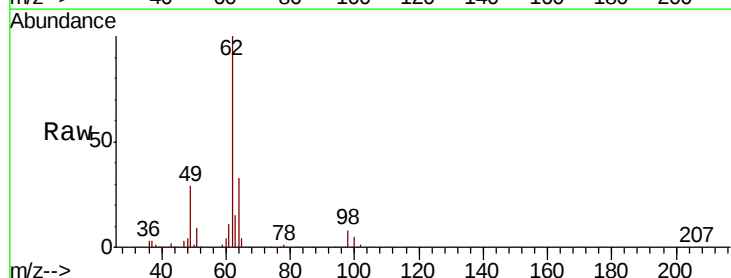
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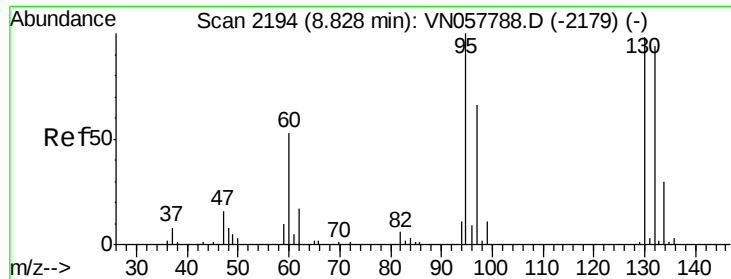
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#36
1,2-Dichloroethane
Concen: 99.014 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	6.6	9.8





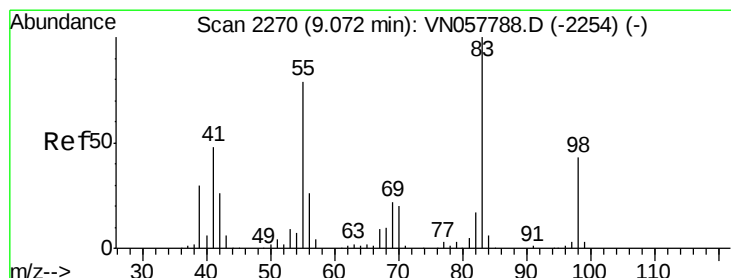
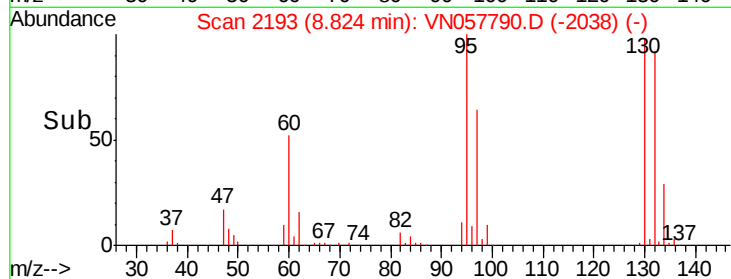
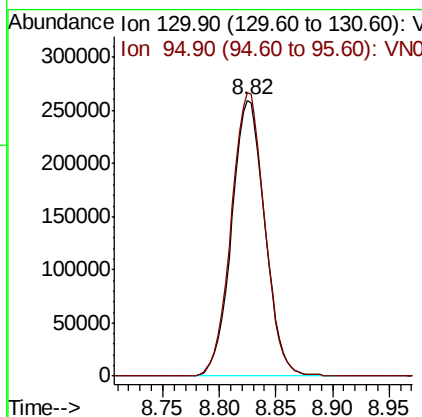
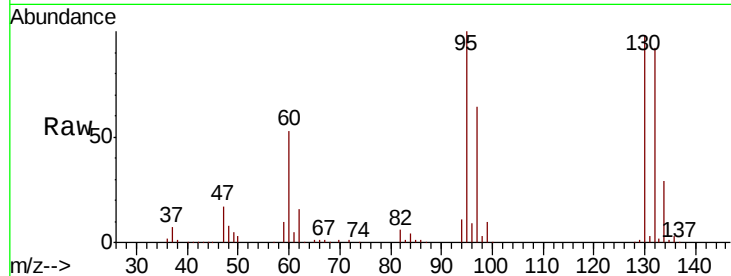
#37
 Trichloroethene
 Concen: 100.470 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 130 Resp: 532001
 Ion Ratio Lower Upper
 130 100
 95 102.4 81.9 122.9

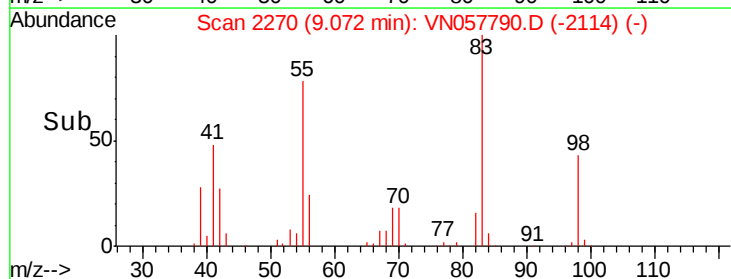
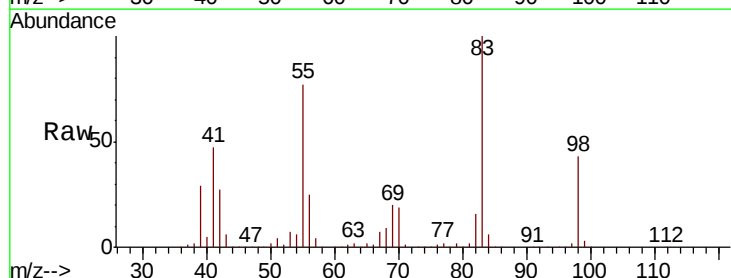
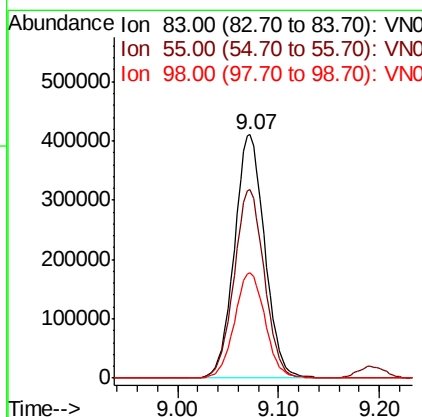
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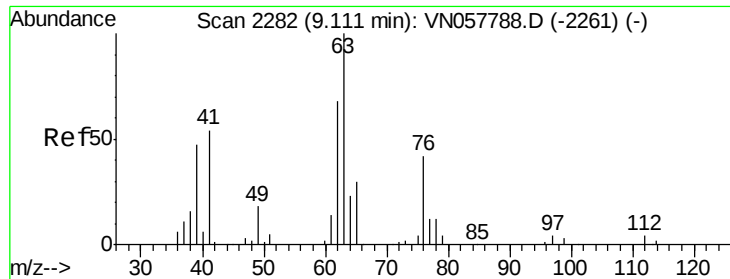
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#38
 Methylcyclohexane
 Concen: 102.015 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion: 83 Resp: 854692
 Ion Ratio Lower Upper
 83 100
 55 77.5 39.6 118.7
 98 43.7 21.8 65.4





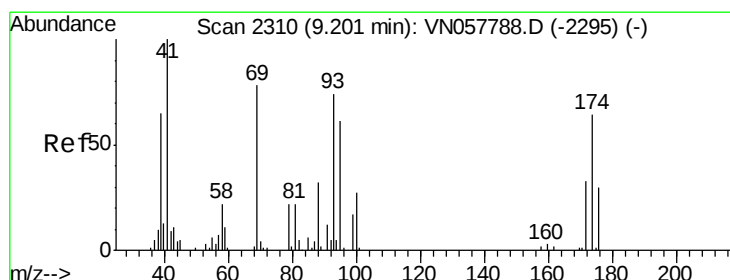
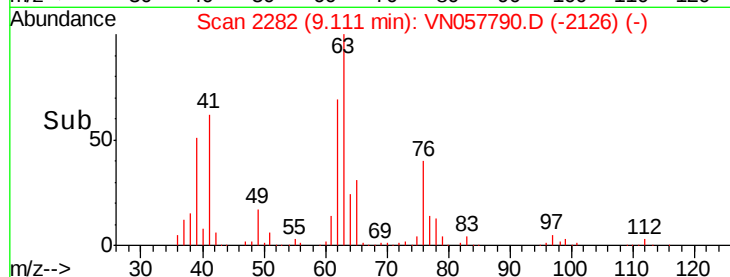
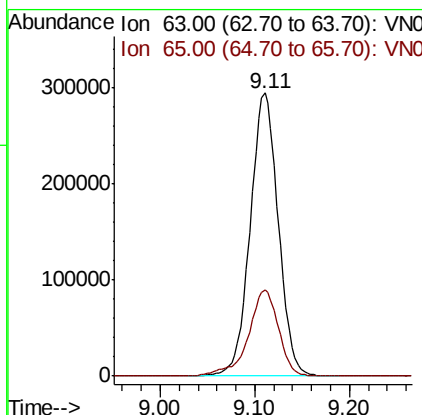
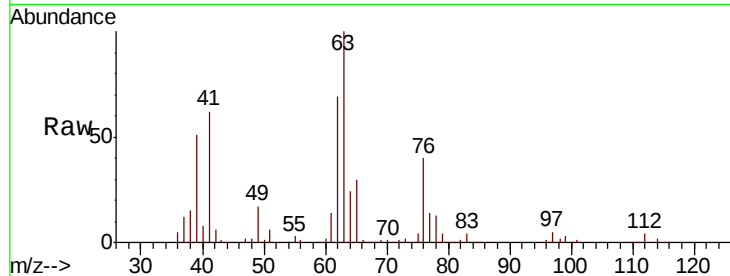
#39
 1,2-Dichloropropane
 Concen: 99.081 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 606630
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.6 35.4

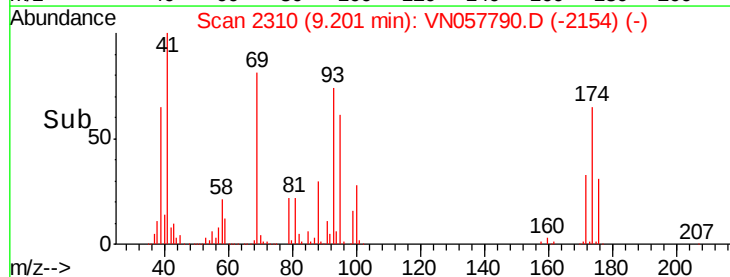
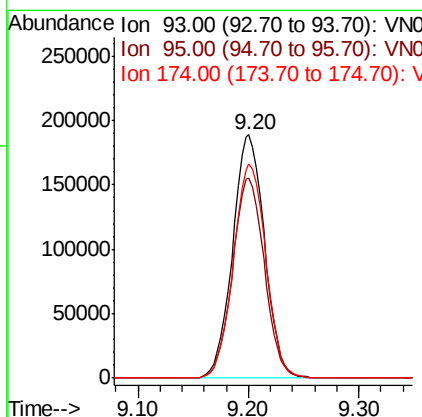
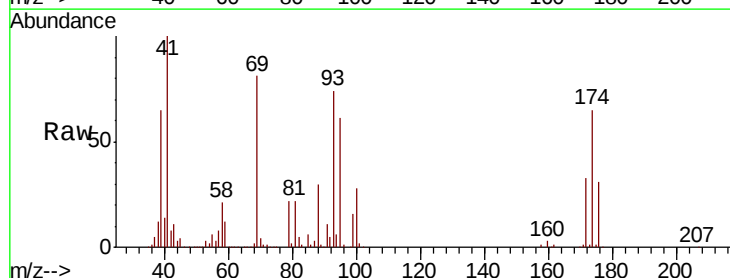
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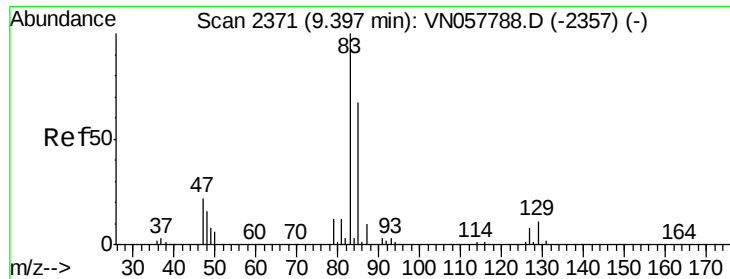
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#40
 Dibromomethane
 Concen: 101.687 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion: 93 Resp: 378665
 Ion Ratio Lower Upper
 93 100
 95 82.3 0.0 163.0
 174 89.4 0.0 171.4





#41

Bromodichloromethane

Concen: 104.898 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 83 Resp: 787523

Ion Ratio Lower Upper

83 100

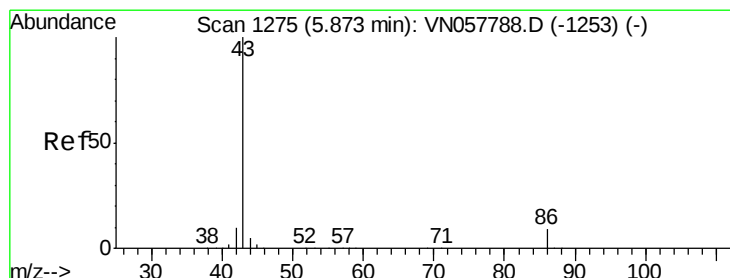
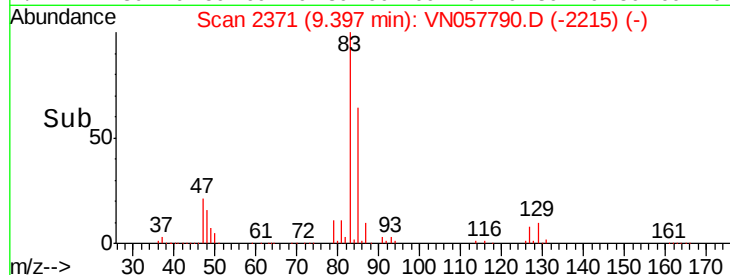
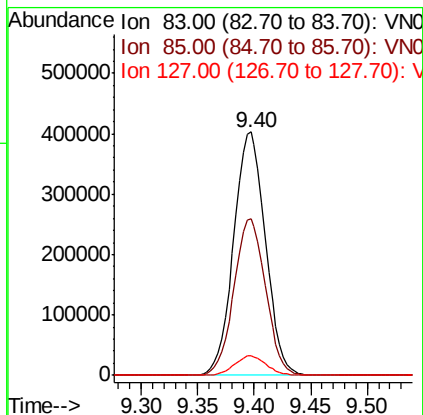
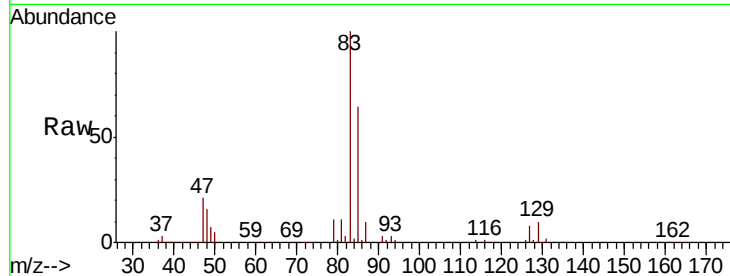
85 64.5 53.4 80.0

127 8.0 6.6 10.0

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9/13/2019 11:04:45 AM



#42

Vinyl Acetate

Concen: 508.664 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN057790.D

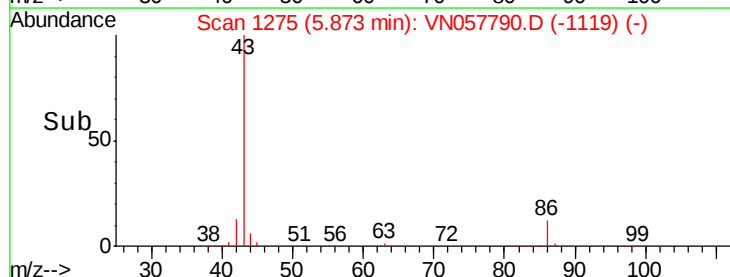
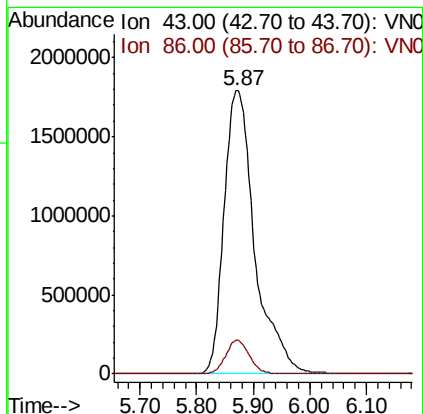
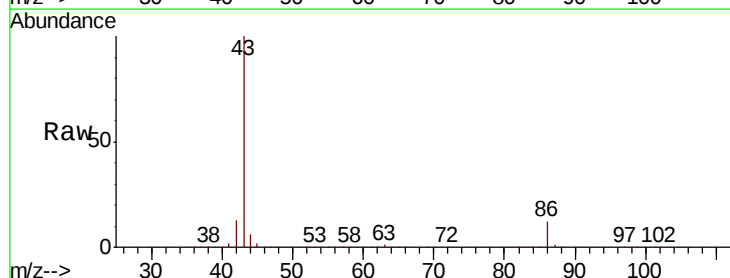
Acq: 9 Sep 2019 10:18

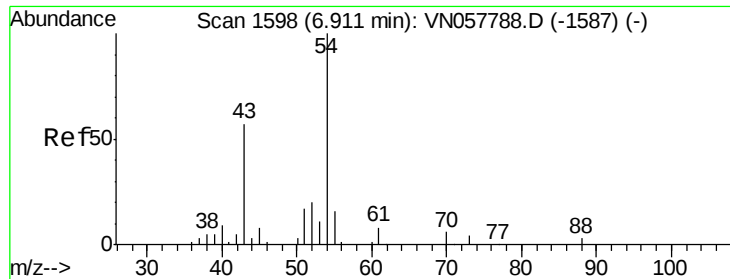
Tgt Ion: 43 Resp: 6786135

Ion Ratio Lower Upper

43 100

86 9.3 6.3 9.5





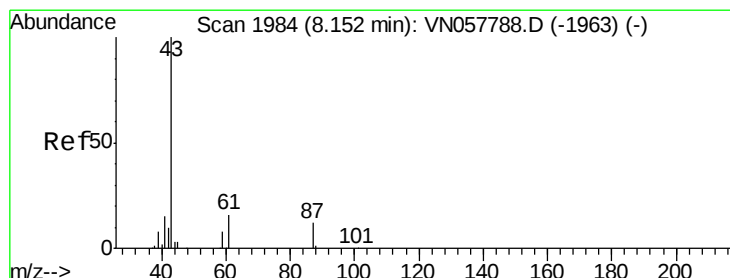
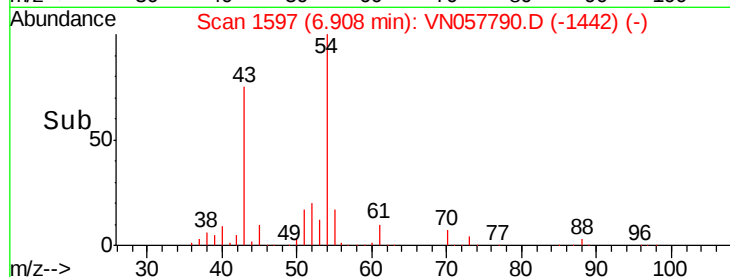
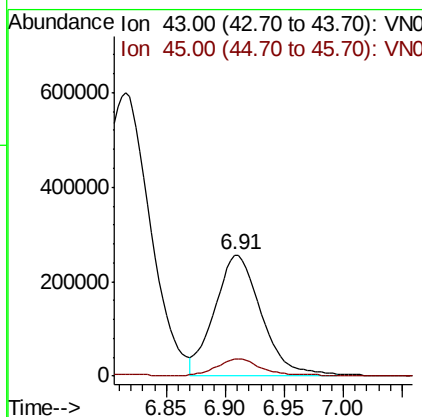
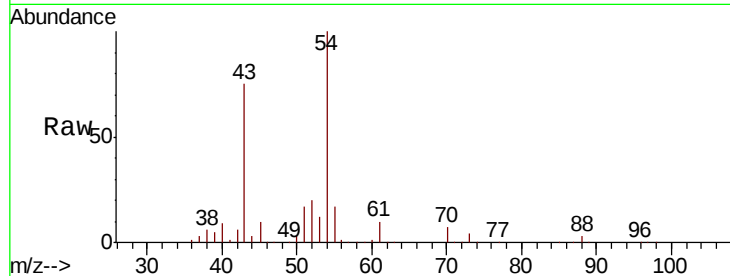
#43
Ethyl Acetate
Concen: 104.687 ug/l m
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 716401
Ion Ratio Lower Upper
43 100
45 1.9 5.4 8.0#

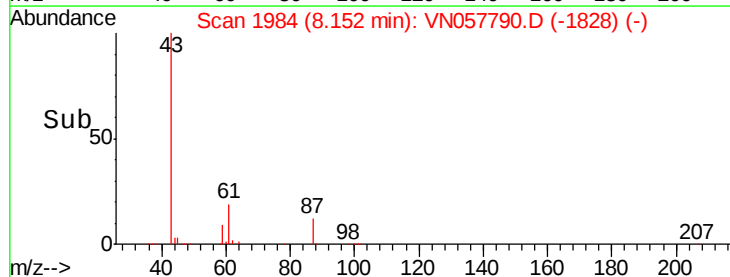
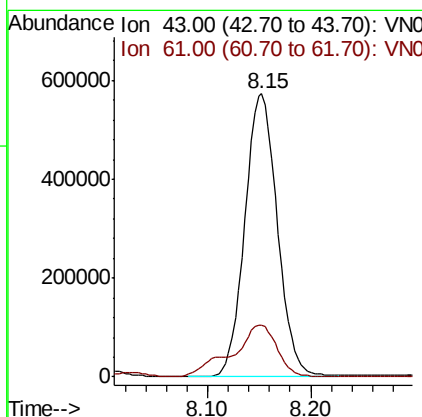
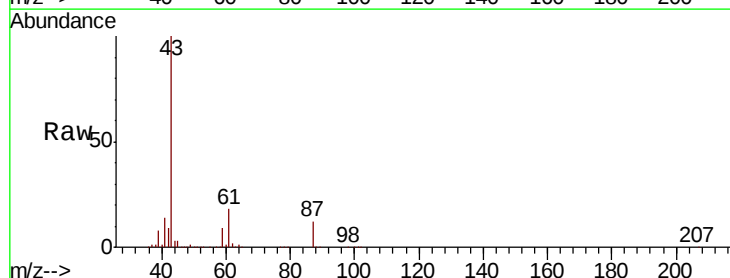
Manual Integrations
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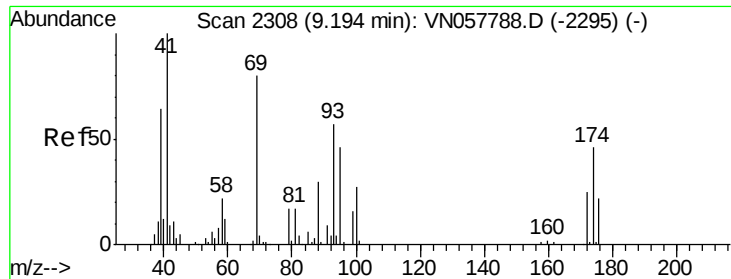
MMDadoda
9/13/2019 11:04:45 AM



#44
Isopropyl Acetate
Concen: 105.614 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion: 43 Resp: 1251496
Ion Ratio Lower Upper
43 100
61 18.5 0.1 0.1#





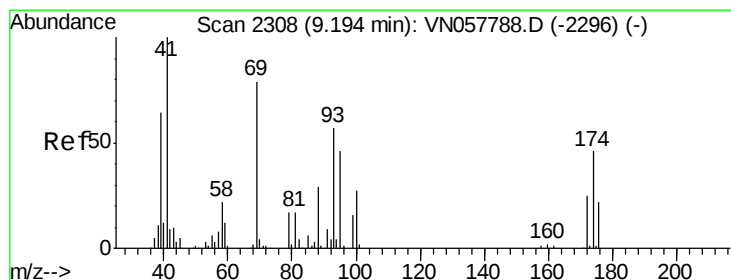
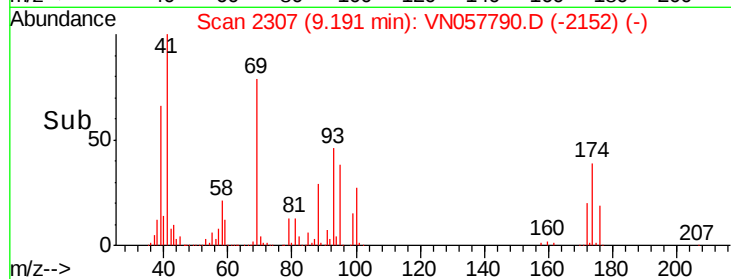
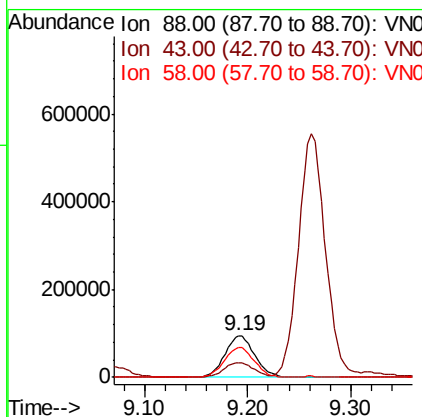
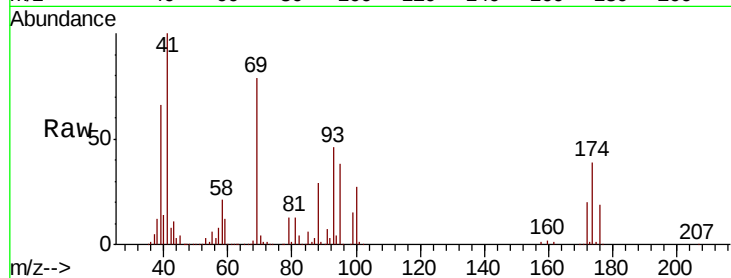
#45
 1,4-Dioxane
 Concen: 2065.488 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	191543		
43	35.2	28.2	42.4	
58	71.7	58.5	87.7	

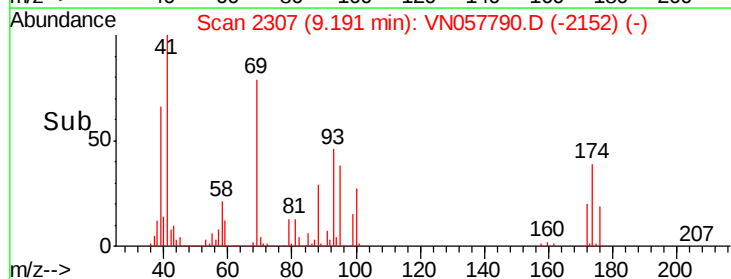
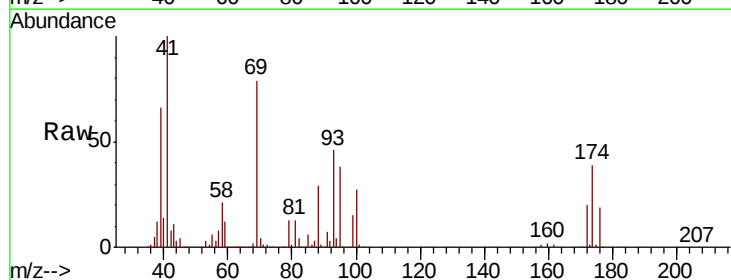
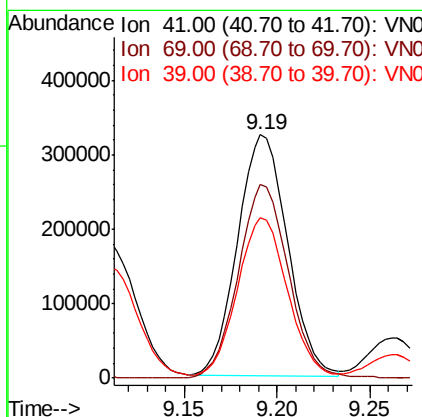
Manual Integrations
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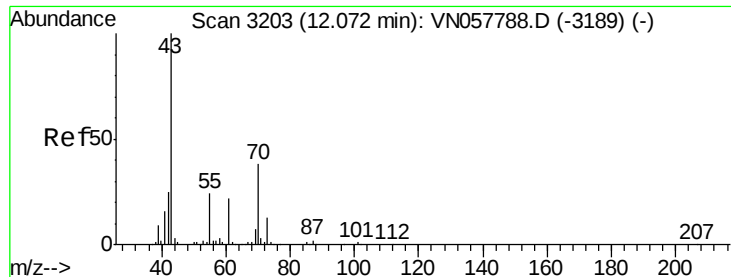
MMDadoda
 9/13/2019 11:04:45 AM



#46
 Methyl methacrylate
 Concen: 104.730 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	603752		
69	80.0	39.6	119.0	
39	65.8	31.9	95.7	





#47

n-amyl Acetate

Concen: 113.405 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tgt Ion: 43 Resp: 1228771

Ion Ratio Lower Upper

43 100

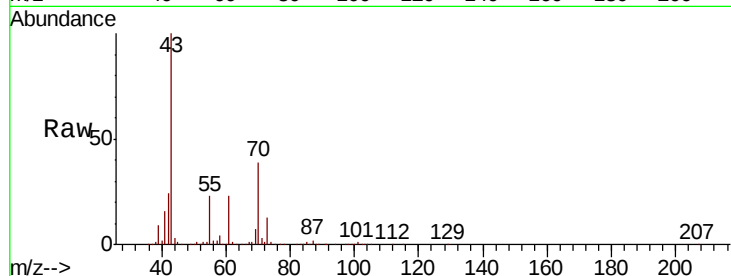
55 22.8 18.3 27.5

Manual Integrations

APPROVED

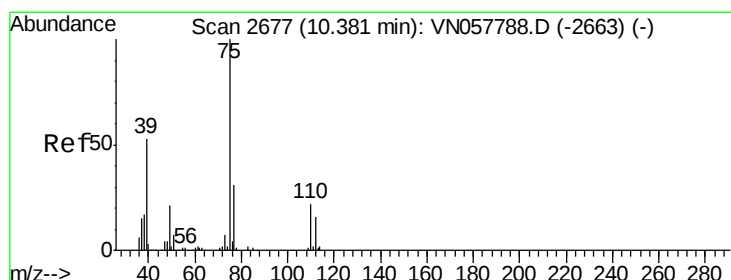
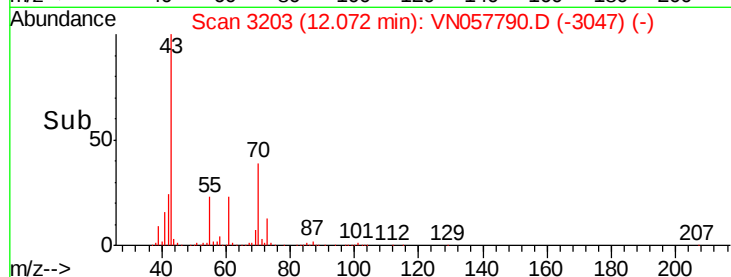
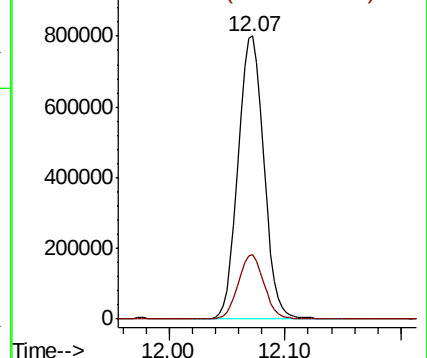
MMDadoda

9/13/2019 11:04:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 111.962 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057790.D

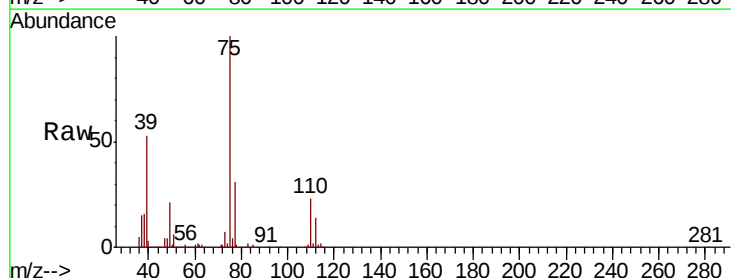
Acq: 9 Sep 2019 10:18

Tgt Ion: 75 Resp: 894859

Ion Ratio Lower Upper

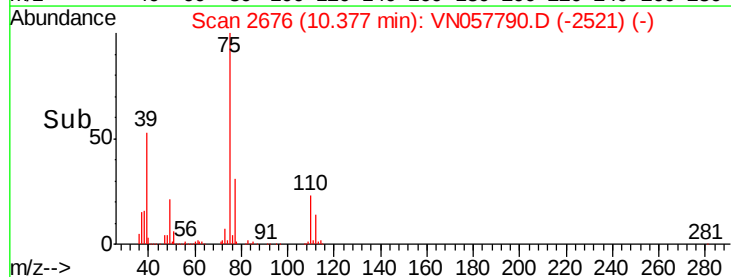
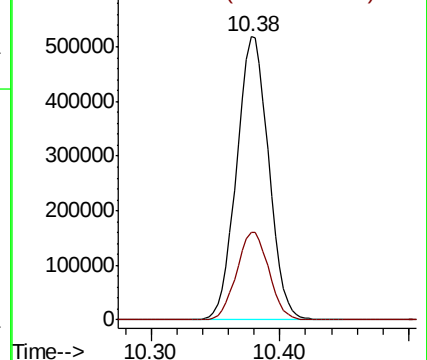
75 100

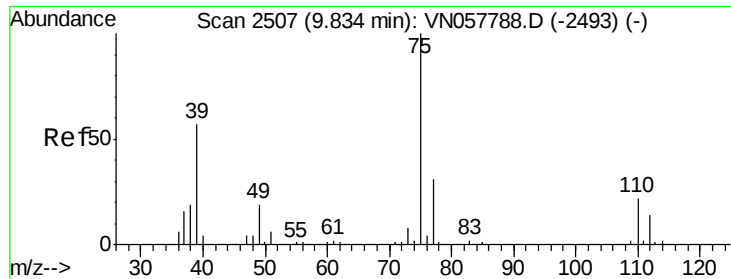
77 30.8 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





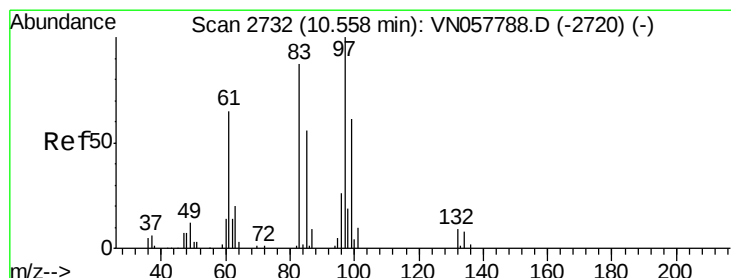
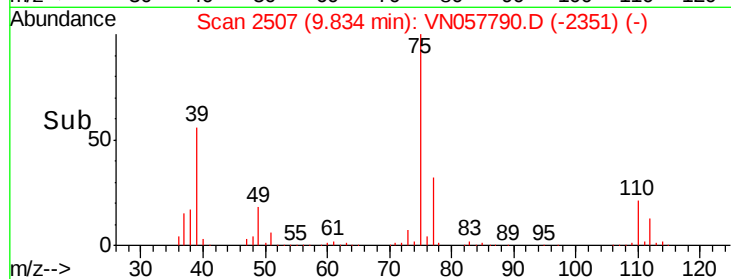
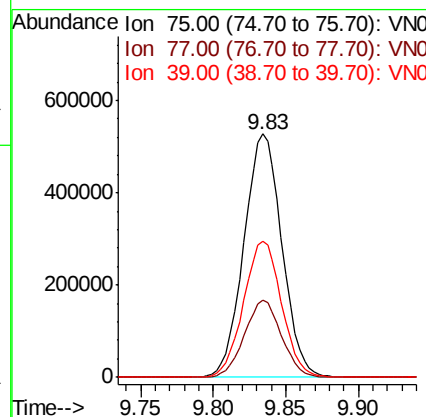
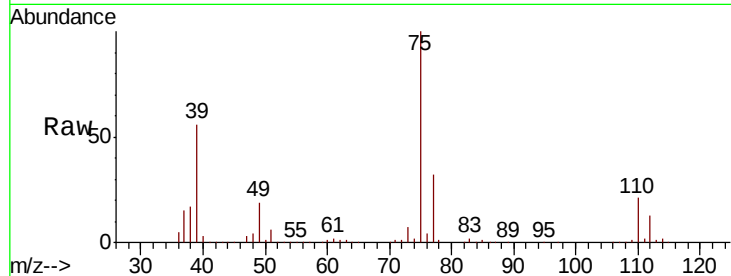
#49
 cis-1,3-Dichloropropene
 Concen: 107.024 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	959737		
77	31.7	24.6	36.8	
39	56.0	45.8	68.8	

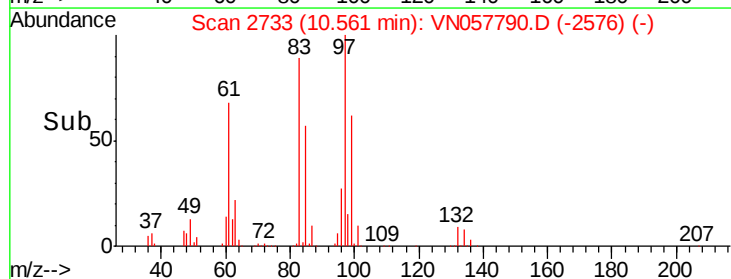
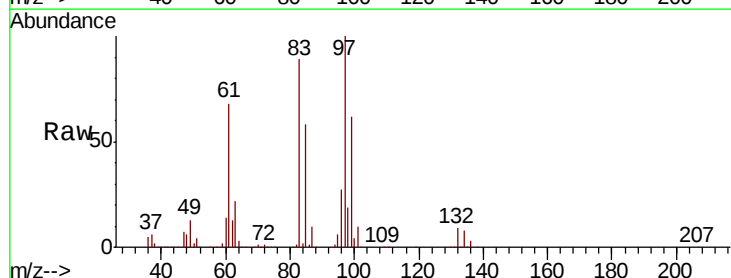
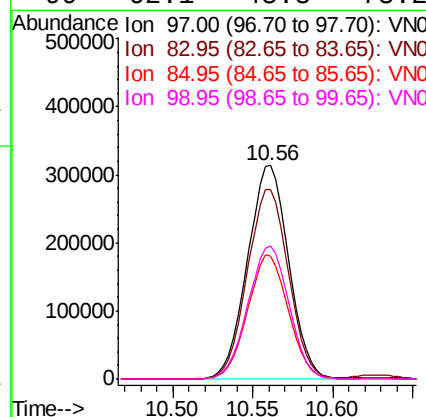
Manual Integrations
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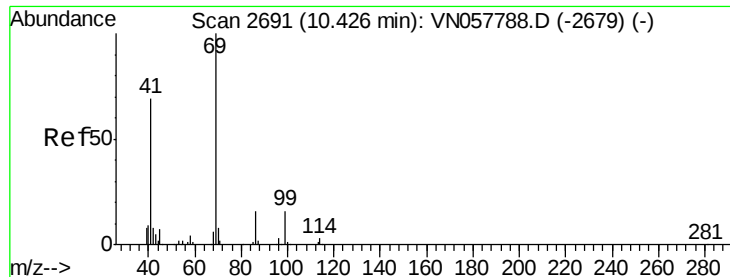
MMDadoda
 9/13/2019 11:04:45 AM



#50
 1,1,2-Trichloroethane
 Concen: 102.485 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	553570		
83	88.9	69.4	104.2	
85	57.6	45.0	67.6	
99	62.1	48.8	73.2	





#51

Ethyl methacrylate

Concen: 109.151 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

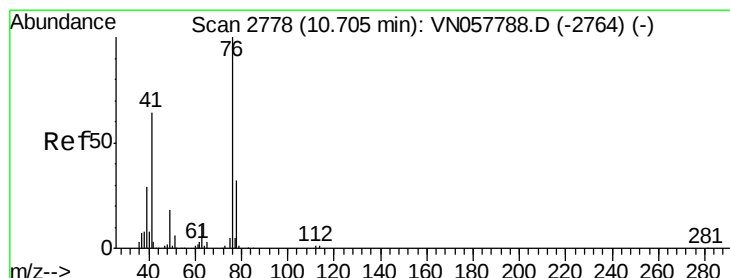
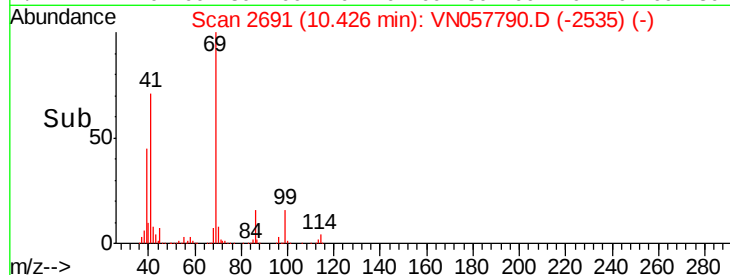
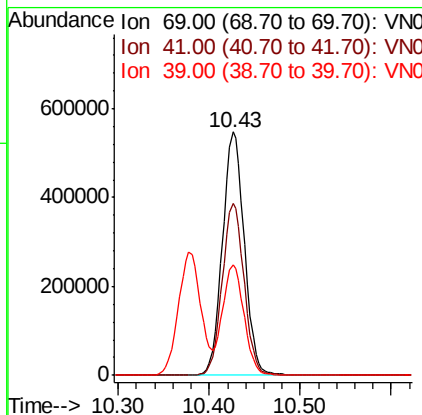
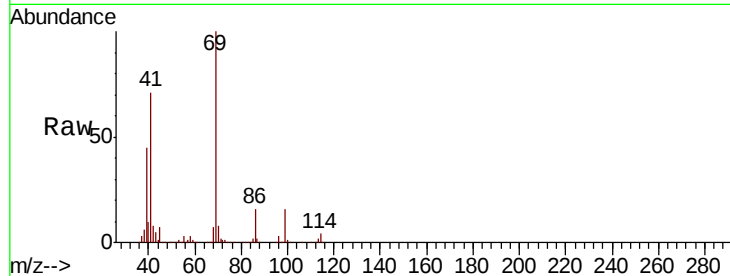
ClientSampled :

VSTDIC100

Tgt Ion:	69	Resp:	914167
Ion	Ratio	Lower	Upper
69	100		
41	70.5	34.5	103.5
39	45.2	22.4	67.3

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#52

1,3-Dichloropropane

Concen: 103.675 ug/l

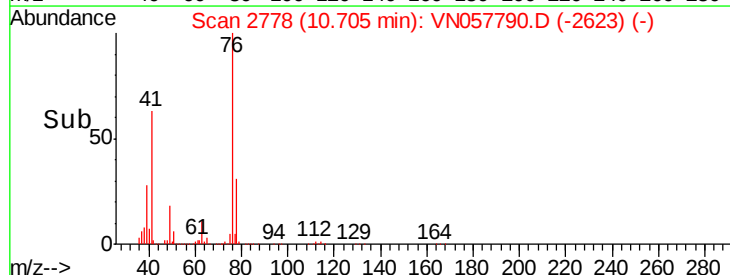
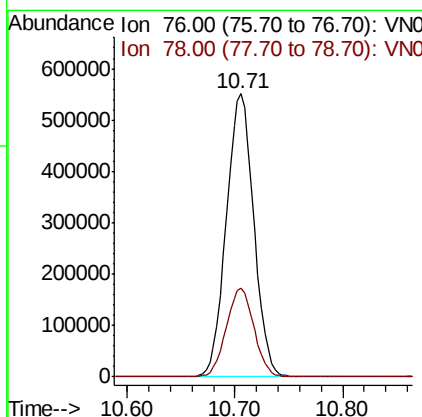
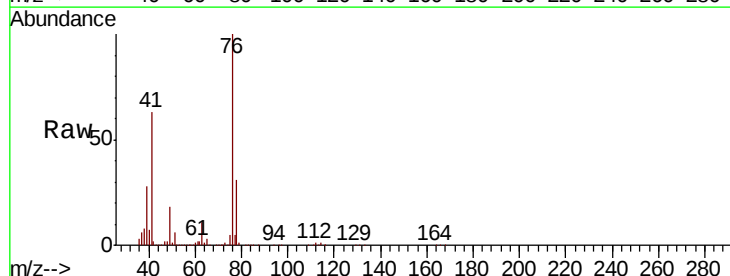
RT: 10.71 min Scan# 2778

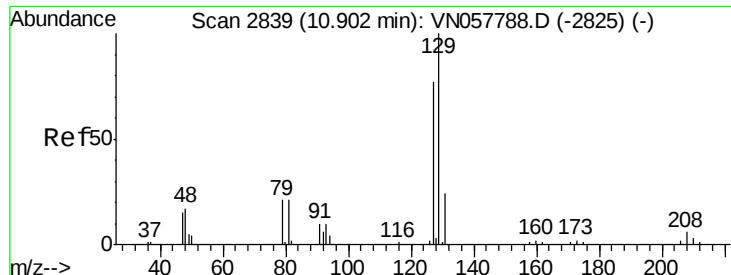
Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Tgt Ion:	76	Resp:	979325
Ion	Ratio	Lower	Upper
76	100		
78	31.7	0.0	63.8





#53

Dibromochloromethane

Concen: 111.985 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion:129 Resp: 597379

Ion Ratio Lower Upper

129 100

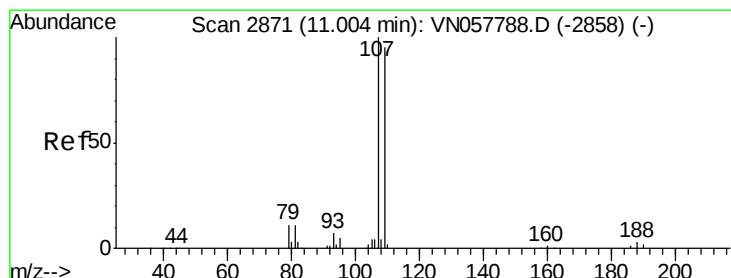
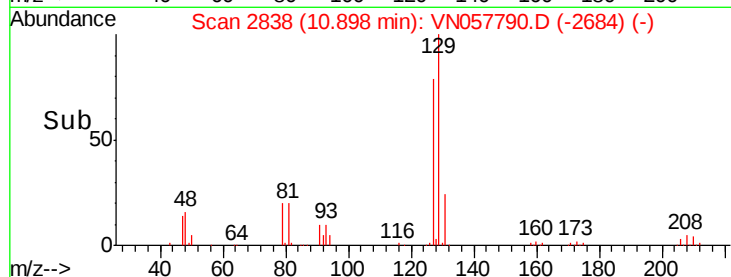
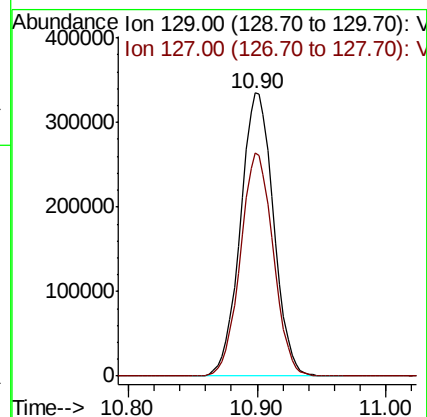
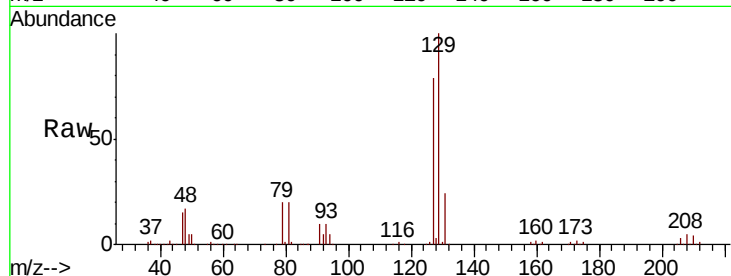
127 78.0 38.8 116.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 104.026 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN057790.D

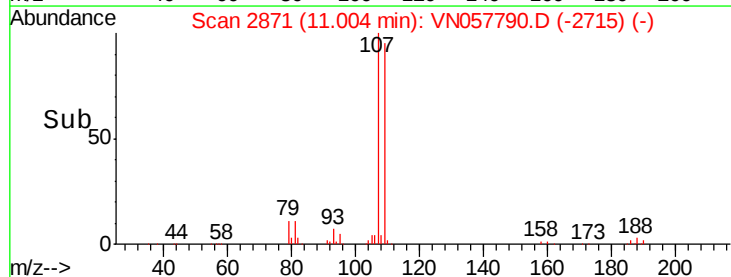
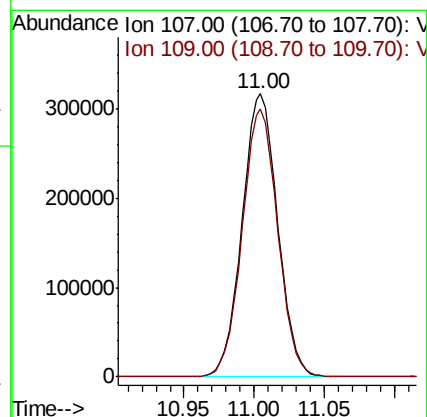
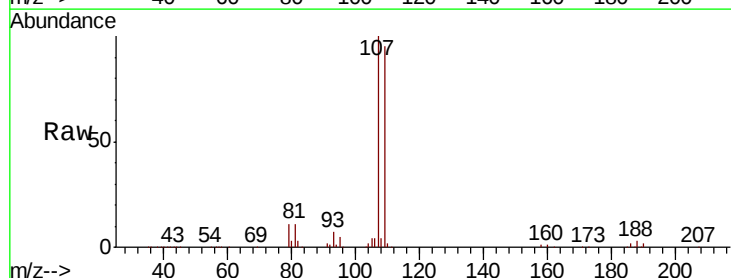
Acq: 9 Sep 2019 10:18

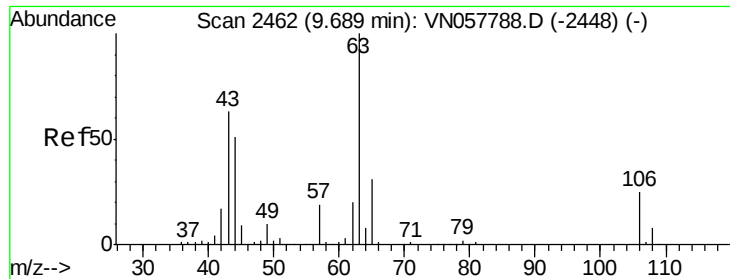
Tgt Ion:107 Resp: 559063

Ion Ratio Lower Upper

107 100

109 94.6 75.4 113.0





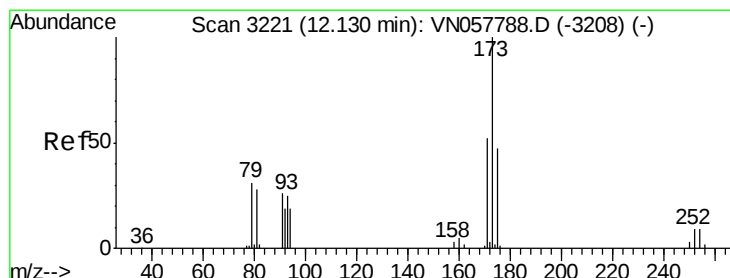
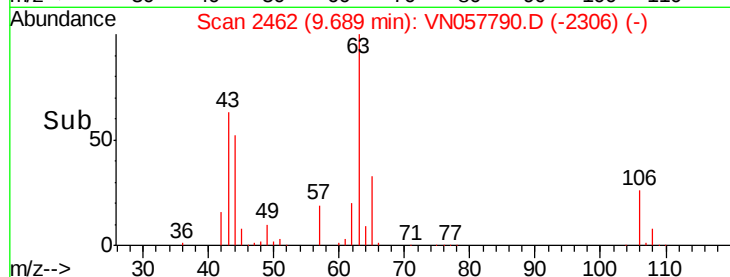
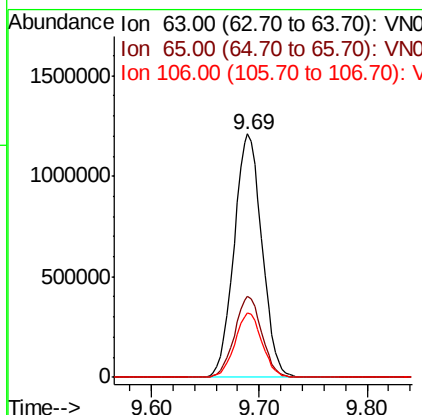
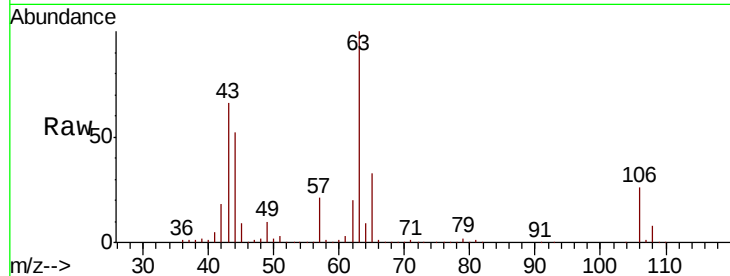
#55
 2-Chloroethyl vinyl ether
 Concen: 545.677 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 63 Resp: 2171629
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.0 37.6
 106 25.6 19.8 29.8

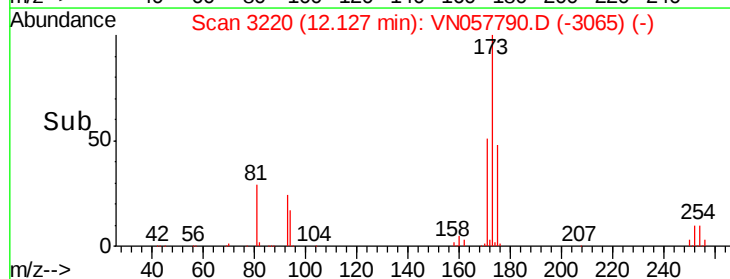
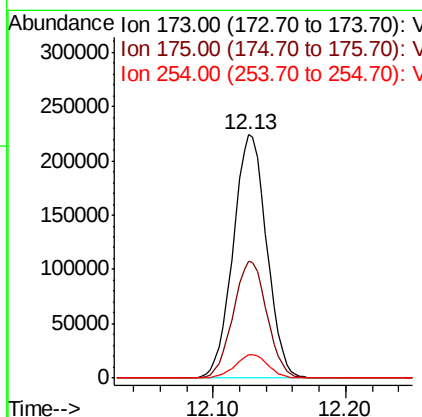
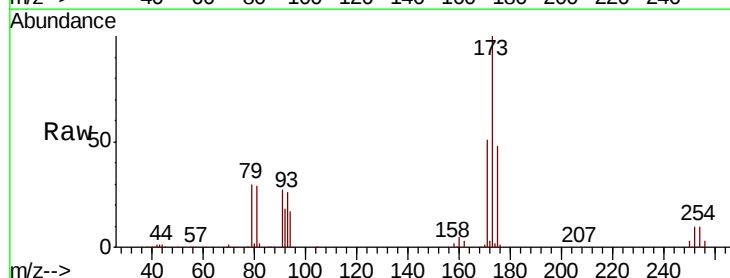
Manual Integrations
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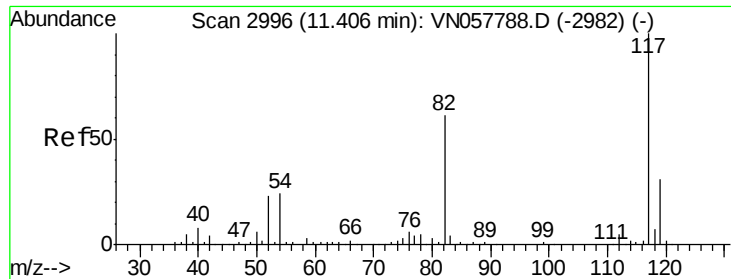
MMDadoda
 9/13/2019 11:04:45 AM



#56
 Bromoform
 Concen: 119.033 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion: 173 Resp: 393365
 Ion Ratio Lower Upper
 173 100
 175 48.3 38.4 57.6
 254 9.6 6.9 10.3





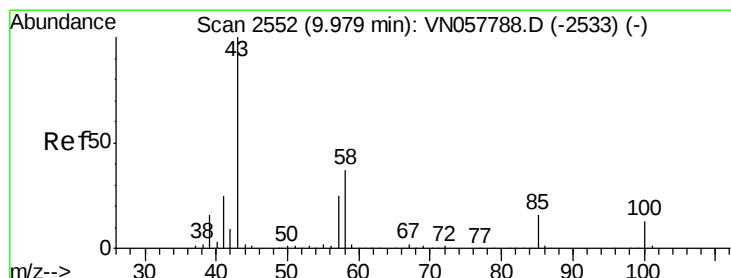
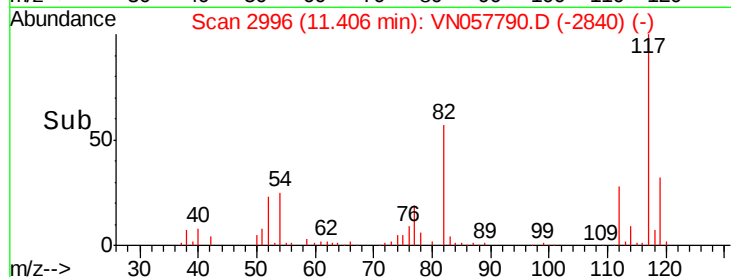
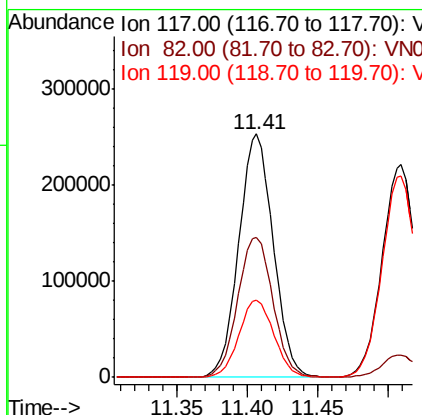
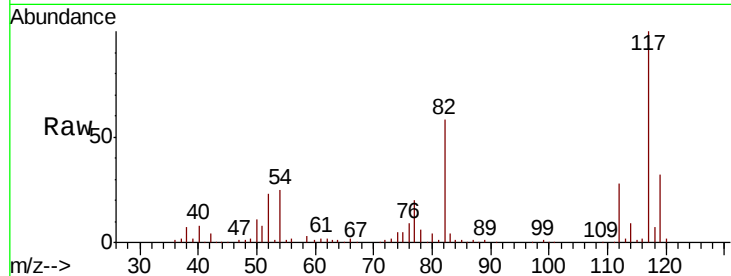
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 117 Resp: 435176
Ion Ratio Lower Upper
117 100
82 58.9 47.6 71.4
119 32.2 25.4 38.2

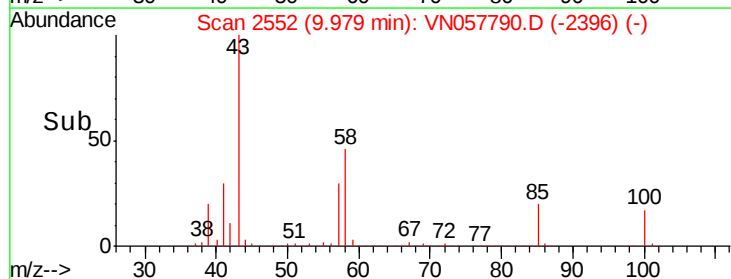
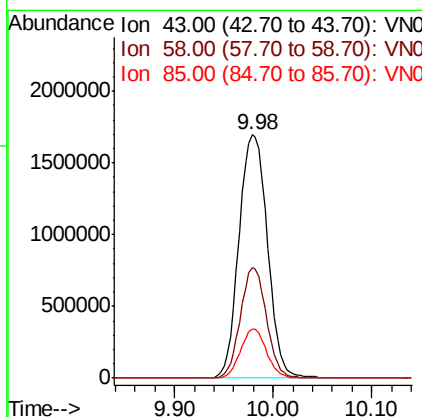
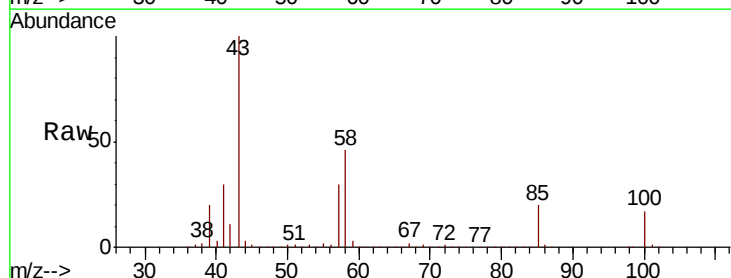
Manual Integrations
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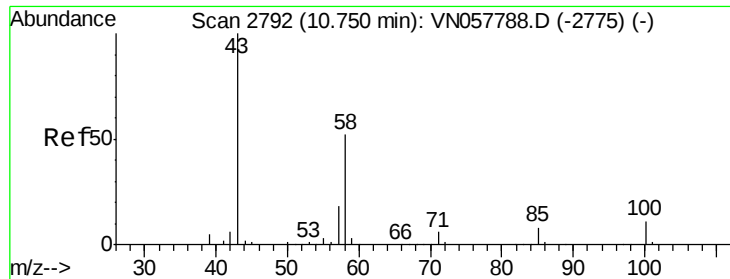
MMDadoda
9/13/2019 11:04:45 AM



#58
4-Methyl-2-Pentanone
Concen: 502.871 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion: 43 Resp: 3393686
Ion Ratio Lower Upper
43 100
58 41.6 29.4 44.0
85 18.4 12.9 19.3





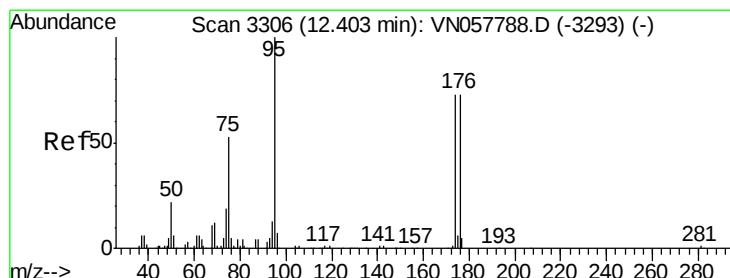
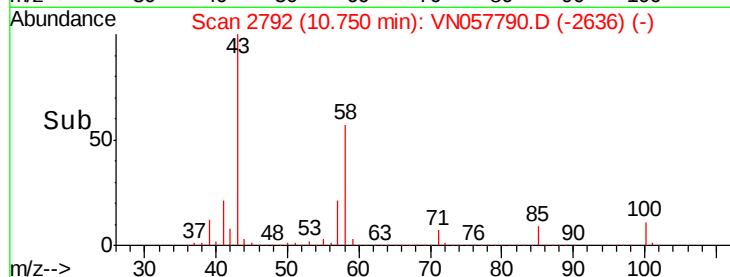
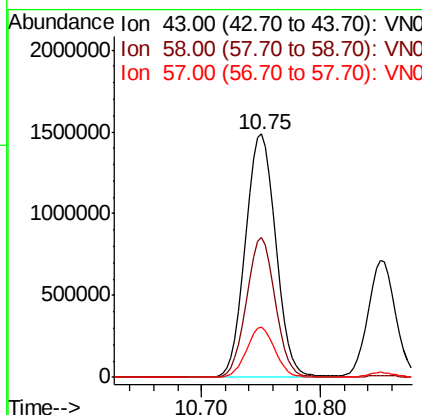
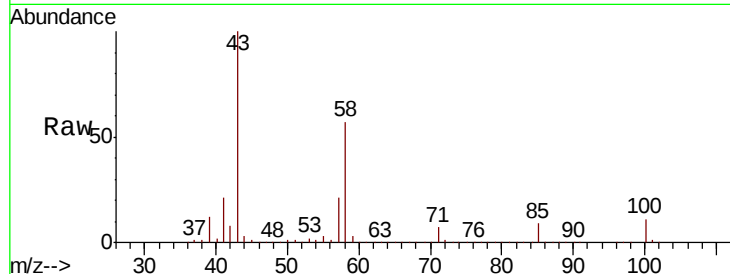
#59
2-Hexanone
Concen: 519.165 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 43 Resp: 2629223
Ion Ratio Lower Upper
43 100
58 54.7 40.6 61.0
57 19.4 14.5 21.7

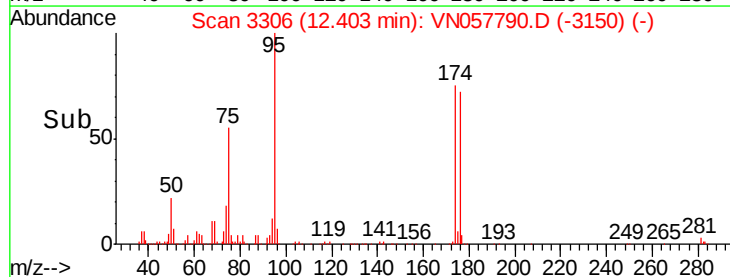
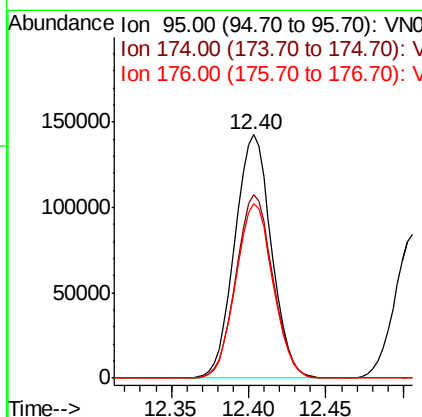
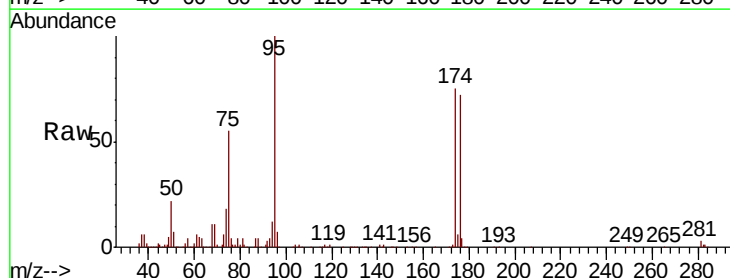
Manual Integrations
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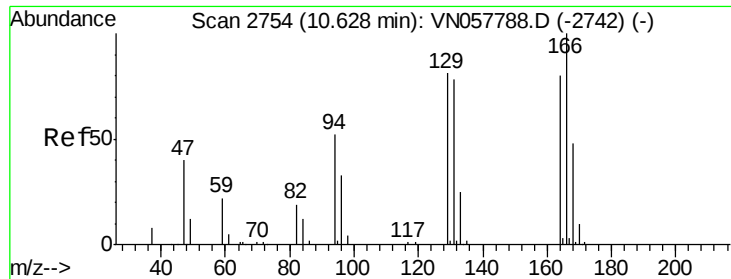
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 31.474 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion: 95 Resp: 234376
Ion Ratio Lower Upper
95 100
174 76.1 59.4 89.0
176 72.9 57.4 86.0





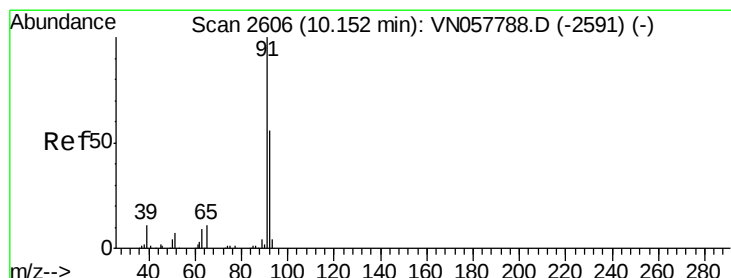
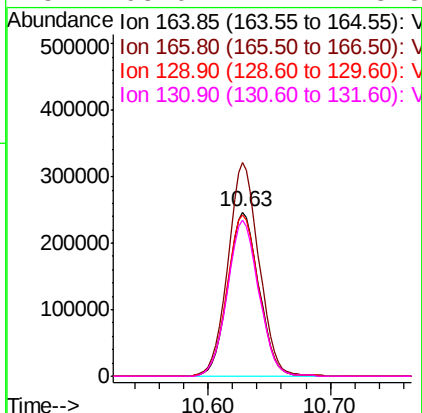
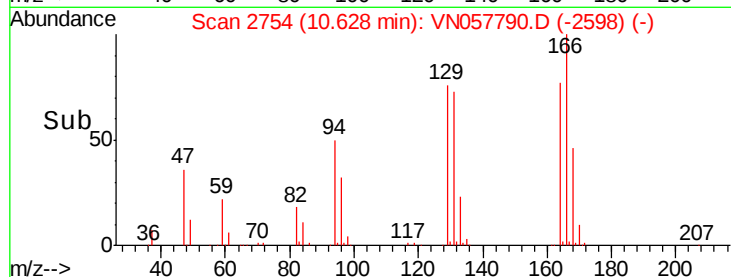
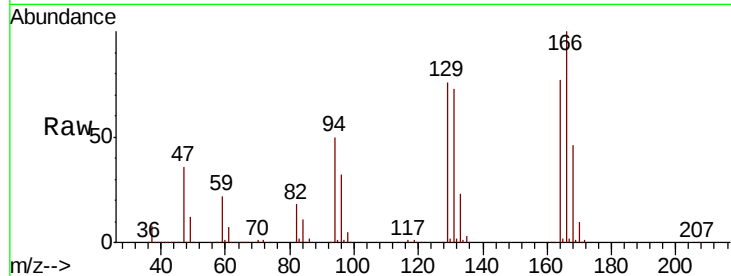
#61
Tetrachloroethene
Concen: 99.494 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	440216		
166	130.1	99.6	149.4	
129	98.3	80.9	121.3	
131	95.0	77.2	115.8	

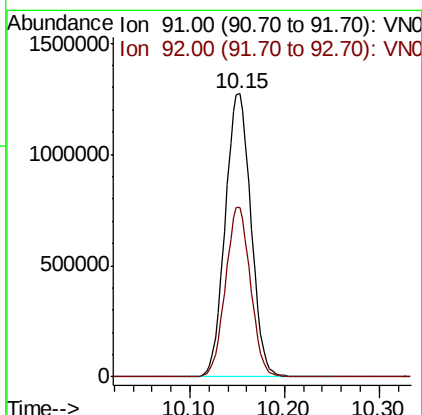
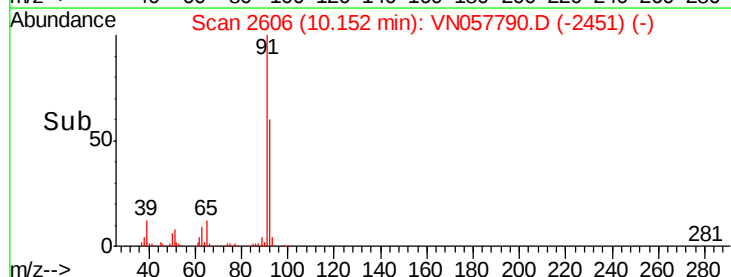
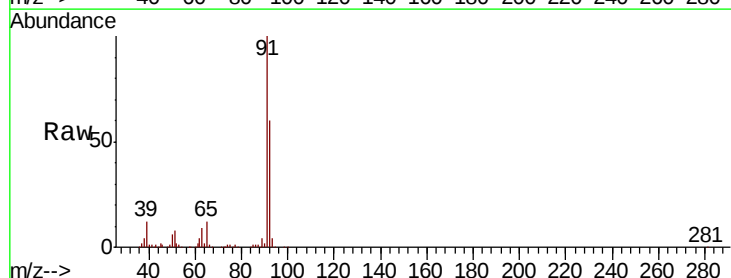
Manual Integrations
APPROVED

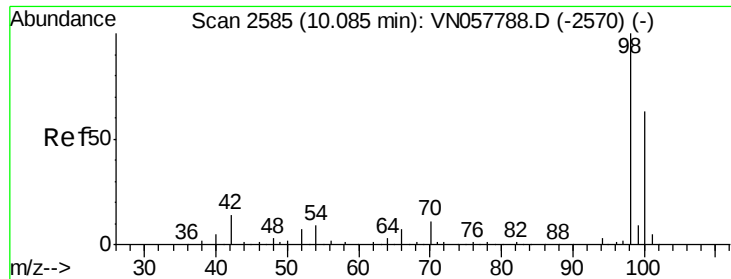
MMDadoda
9/13/2019 11:04:45 AM



#62
Toluene
Concen: 99.828 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2405475		
92	58.4	44.9	67.3	





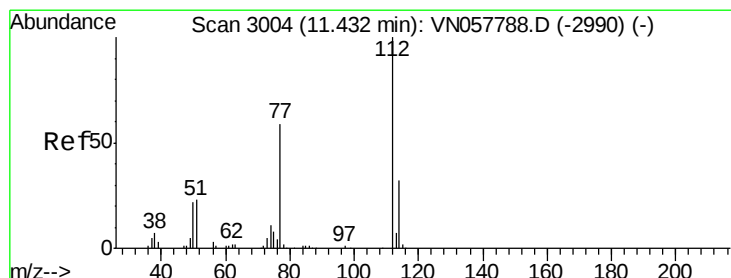
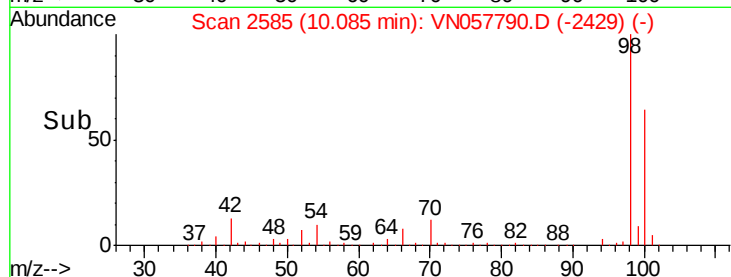
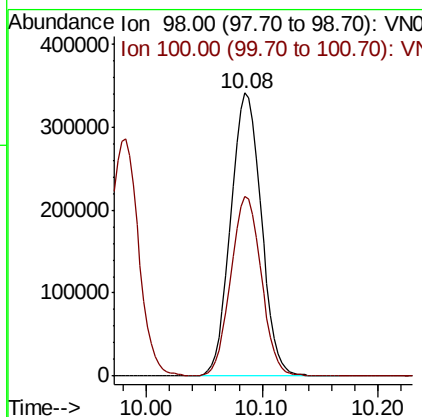
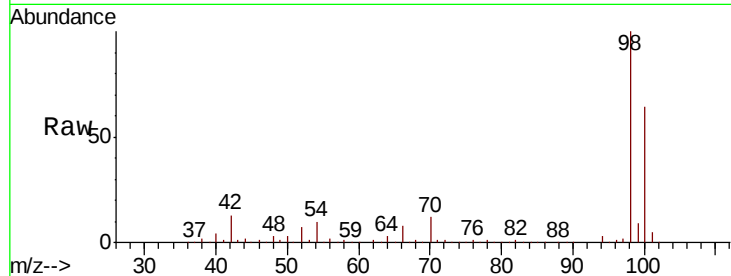
#63
Toluene-d8
Concen: 29.768 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion: 98 Resp: 621773
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5

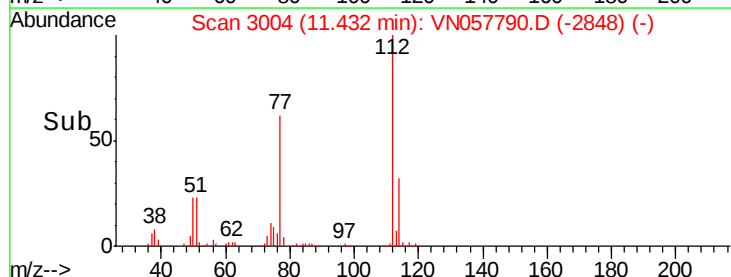
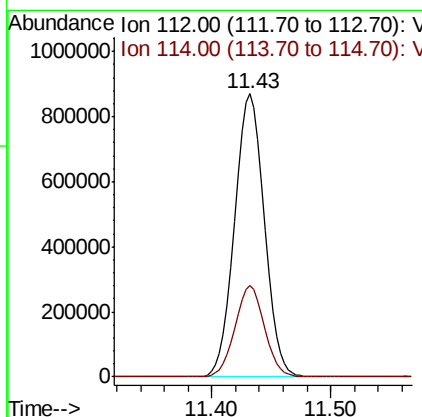
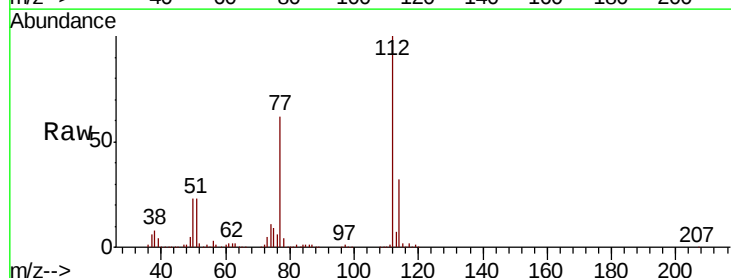
Manual Integrations
APPROVED

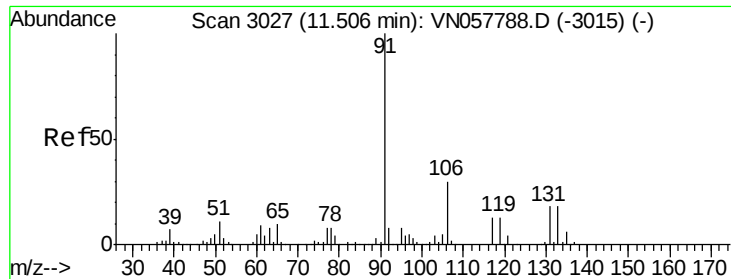
MMDadoda
9/13/2019 11:04:45 AM



#64
Chlorobenzene
Concen: 100.888 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion: 112 Resp: 1508047
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 106.230 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

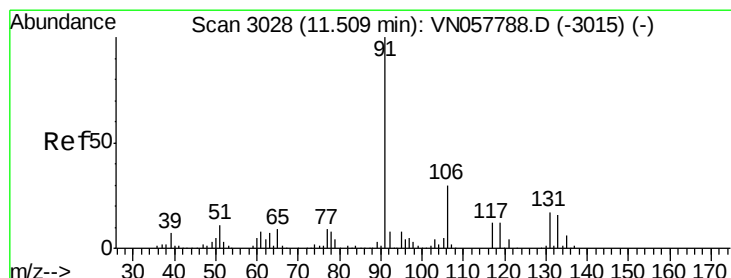
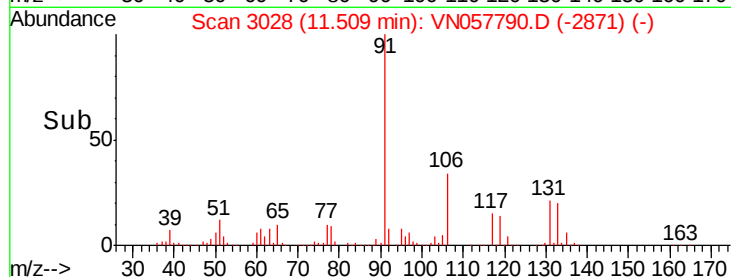
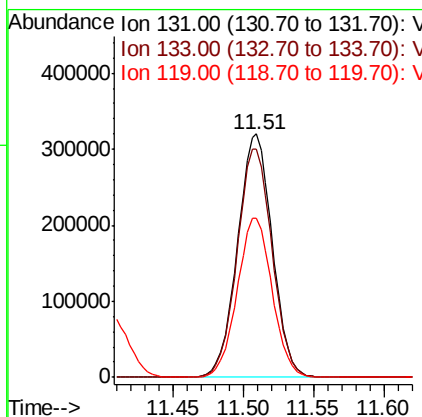
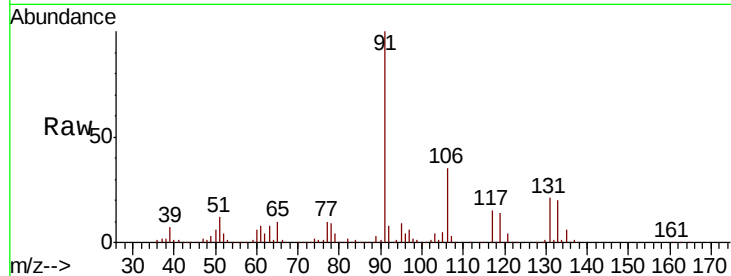
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	551336		
133	94.8	0.0	189.2	
119	66.0	0.0	136.4	

Manual Integrations
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#66

Ethyl Benzene

Concen: 101.302 ug/l

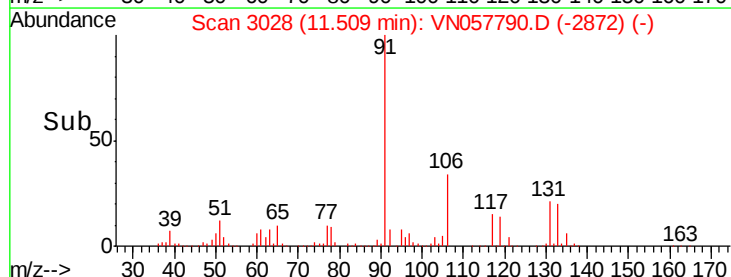
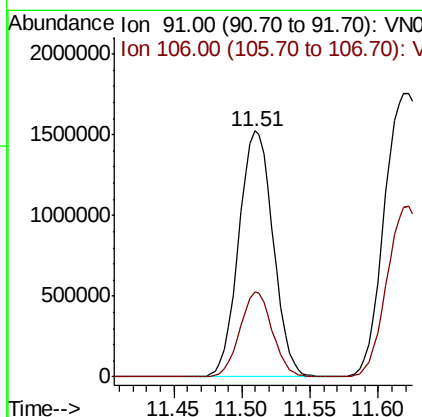
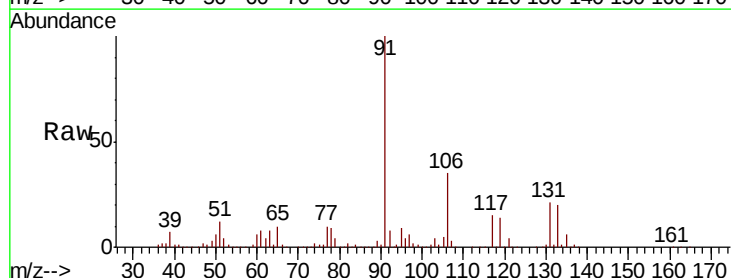
RT: 11.51 min Scan# 3028

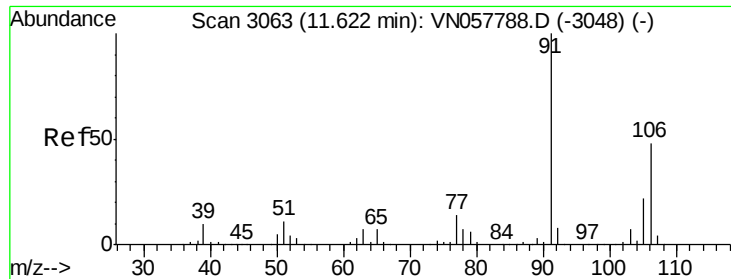
Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2663251		
106	34.5	24.0	36.0	





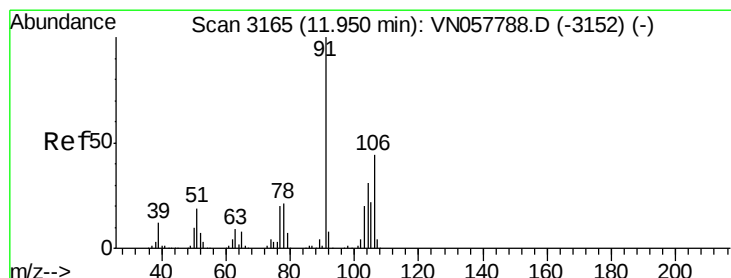
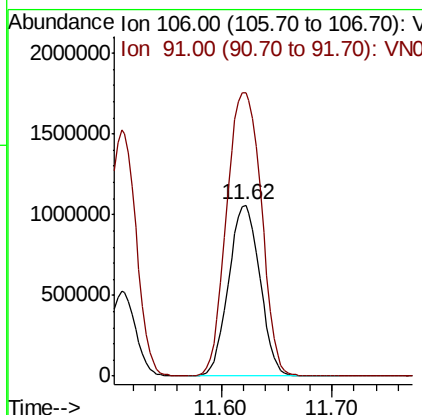
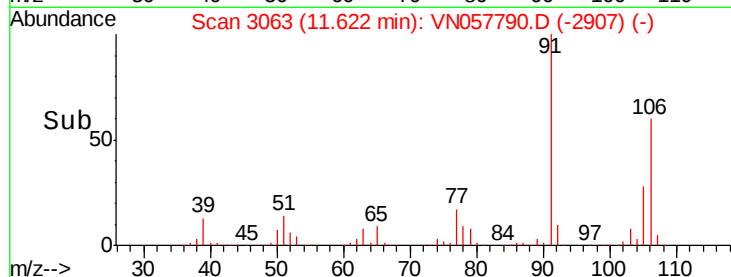
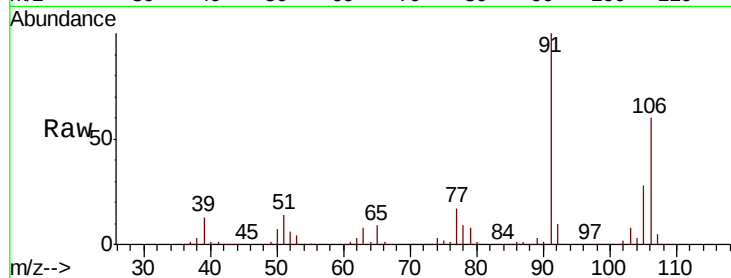
#67
m/p-Xylenes
Concen: 229.621 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:106 Resp: 2085062
Ion Ratio Lower Upper
106 100
91 183.7 166.1 249.1

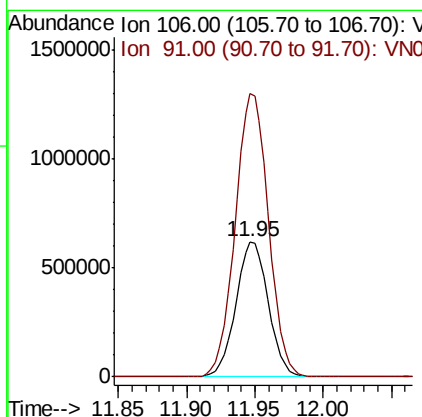
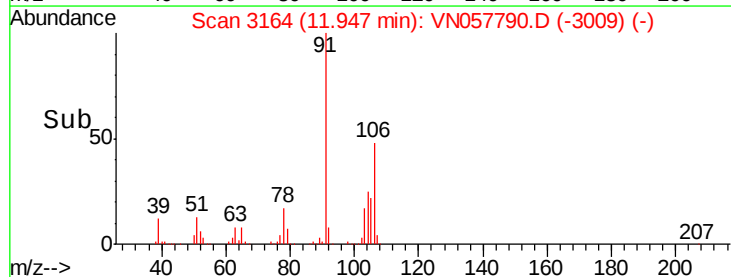
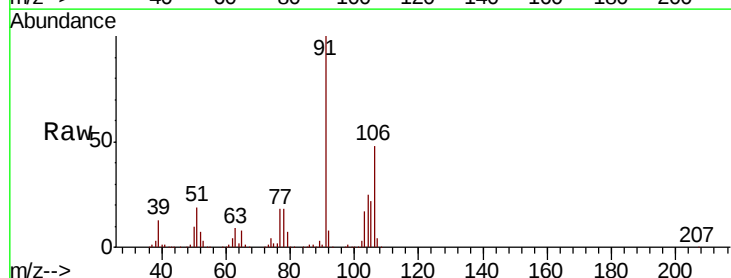
Manual Integrations
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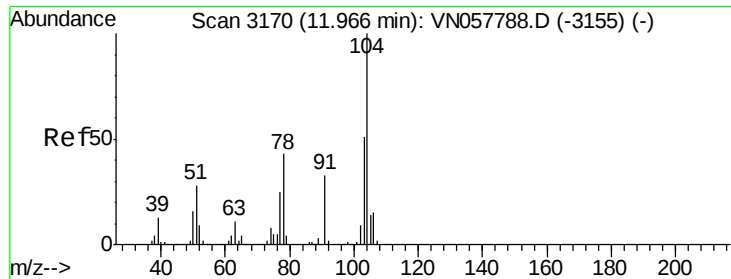
MMDadoda
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#68
o-Xylene
Concen: 103.621 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion:106 Resp: 1018943
Ion Ratio Lower Upper
106 100
91 215.1 111.5 334.4





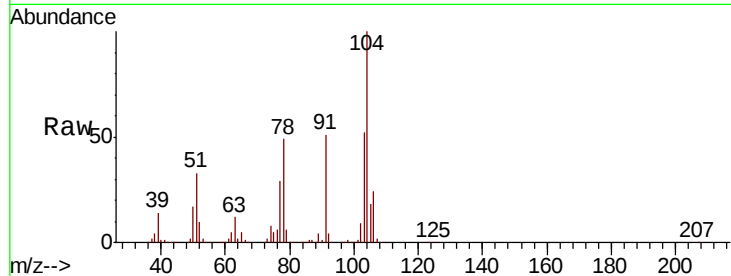
#69
Styrene
Concen: 106.820 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

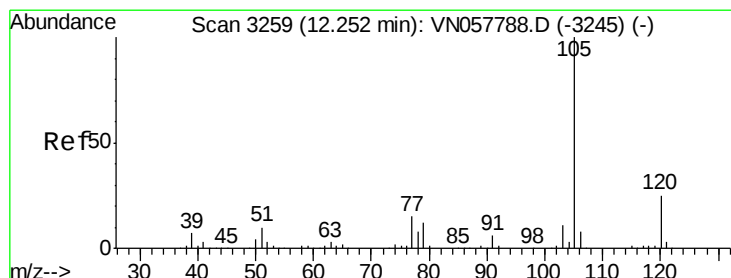
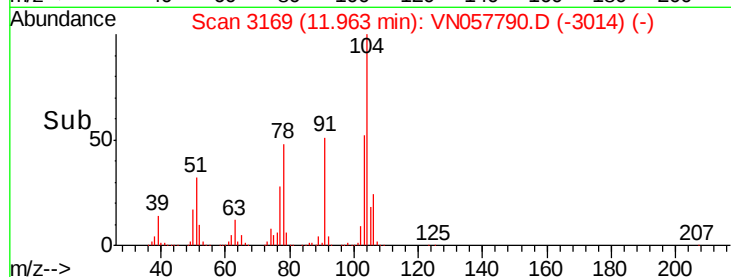
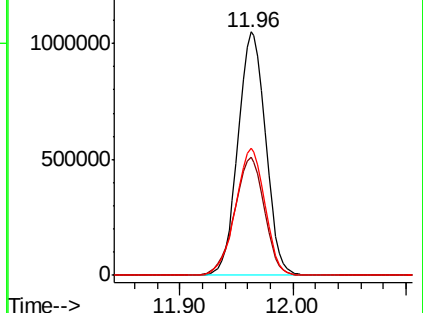
Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.4	41.5	62.3
103	55.3	44.8	67.2

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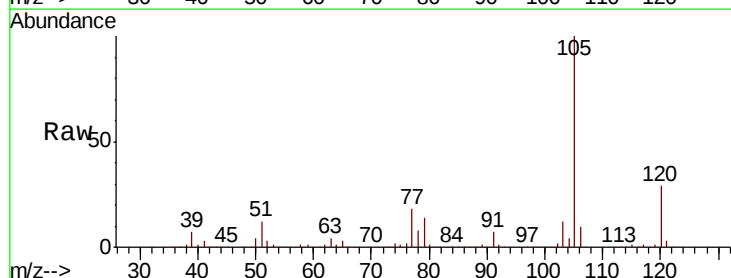


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

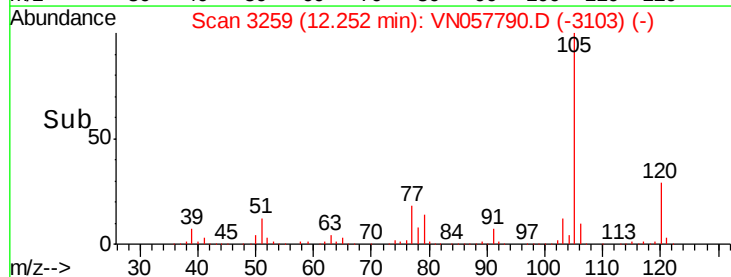
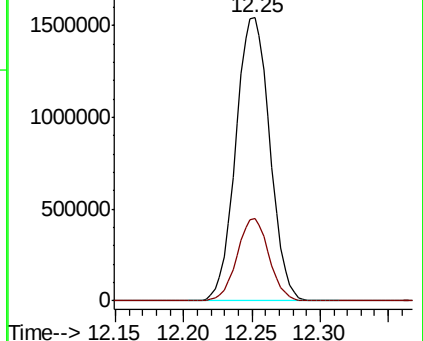


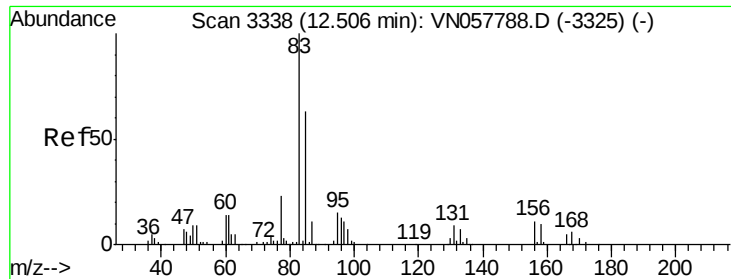
#70
Isopropylbenzene
Concen: 102.635 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	17.6	32.6



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





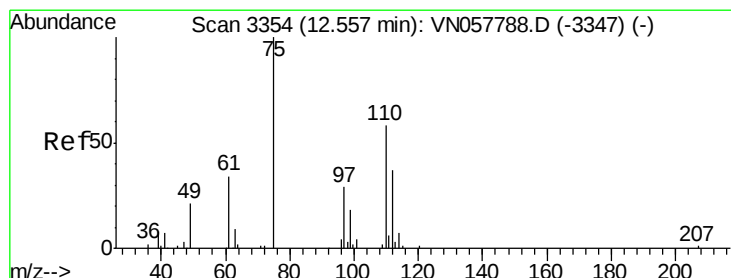
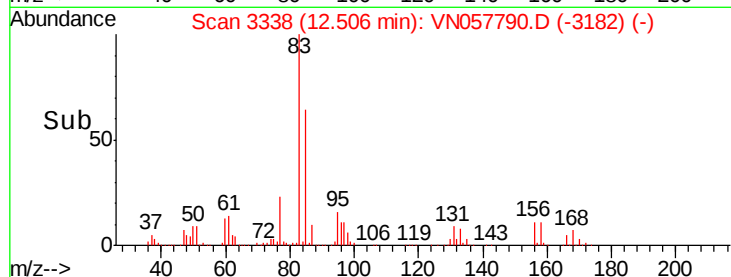
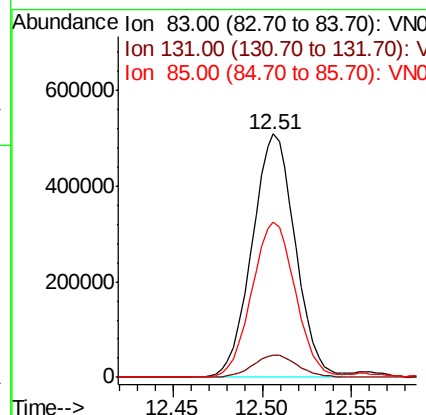
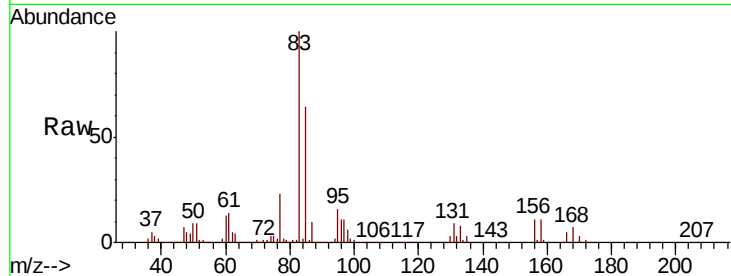
#71
 1,1,2,2-Tetrachloroethane
 Concen: 105.826 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	859808		
131	9.5	4.9	14.6	
85	64.3	32.1	96.3	

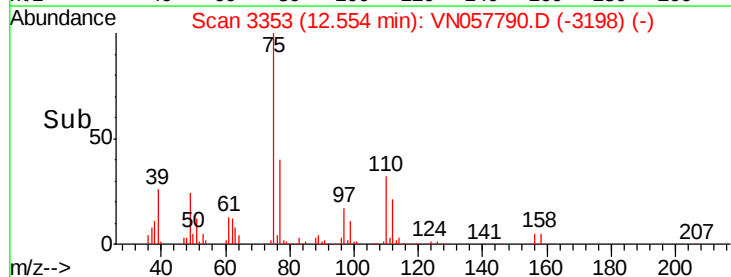
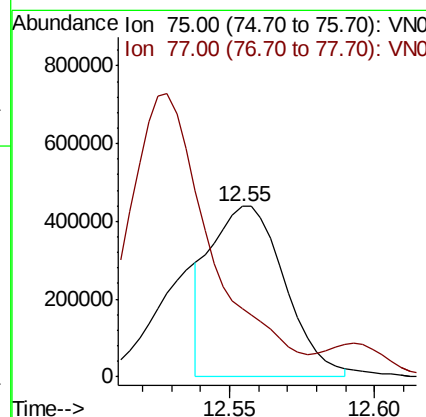
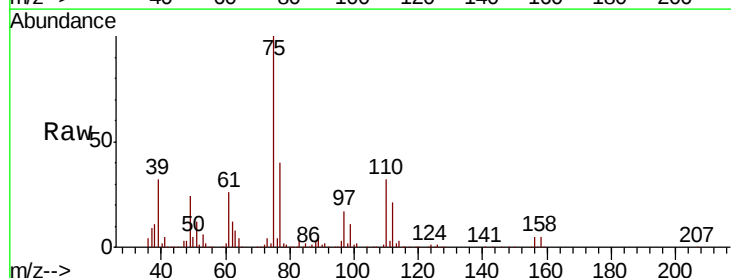
Manual Integrations
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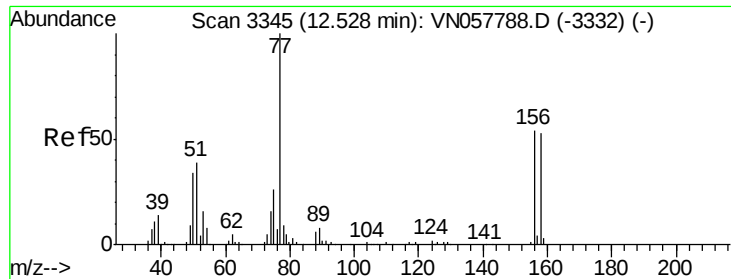
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 9/13/2019 11:04:45 AM



#72
 1,2,3-Trichloropropane
 Concen: 108.675 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	772661		
77	188.8	0.0	351.6	





#73

Bromobenzene

Concen: 104.411 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

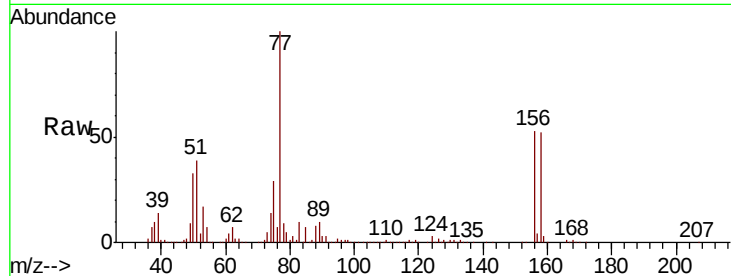
ClientSampleId :

VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	649838		
77	224.5	0.0	446.6	
158	97.3	0.0	197.2	

Manual Integrations
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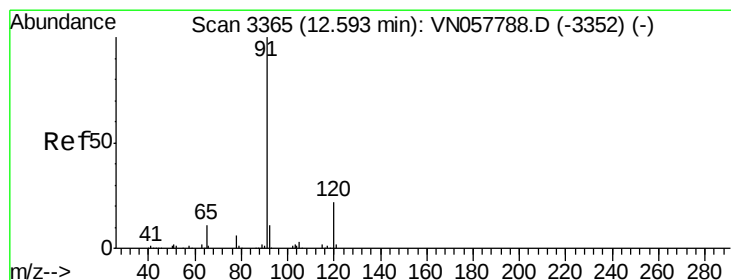
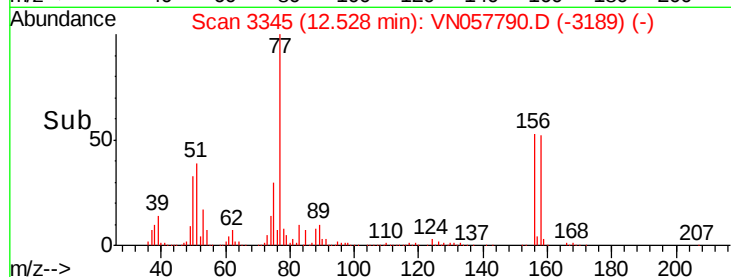
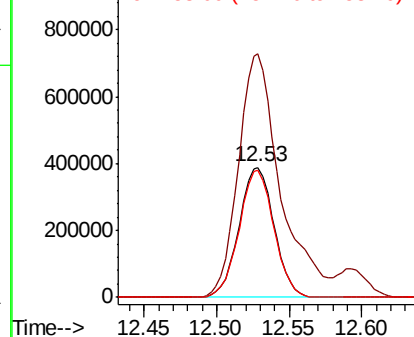
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 100.842 ug/l

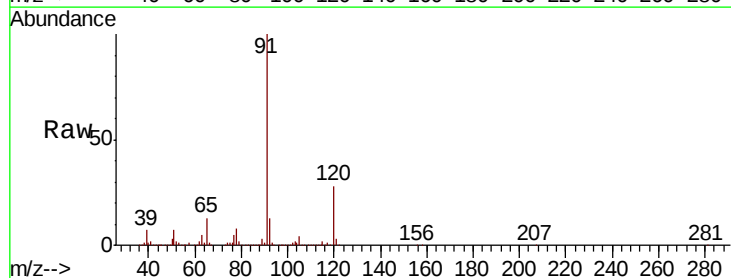
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057790.D

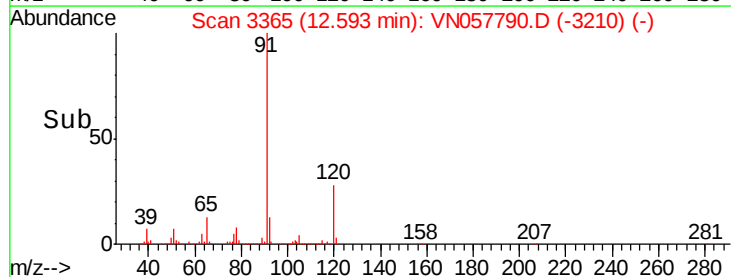
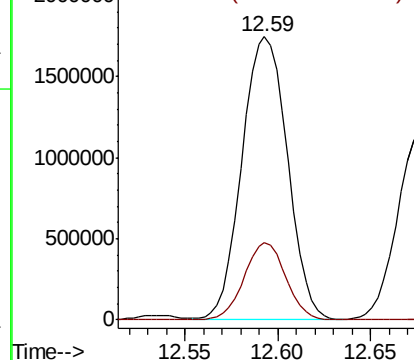
Acq: 9 Sep 2019 10:18

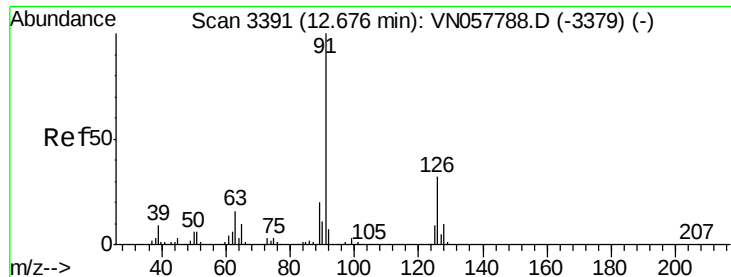
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2995148		
120	24.9	0.0	43.4	



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 104.176 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 1927258

Ion Ratio Lower Upper

91 100

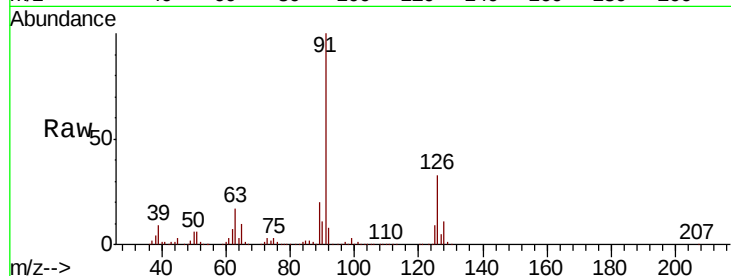
126 33.1 0.0 64.8

Manual Integrations

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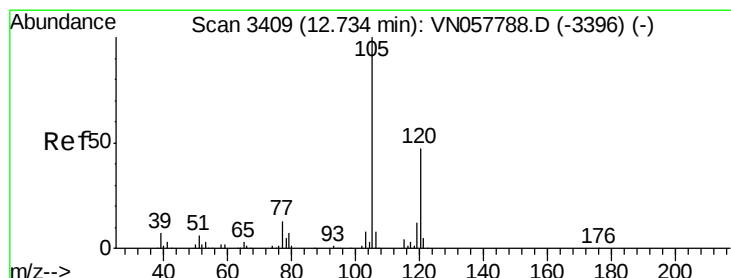
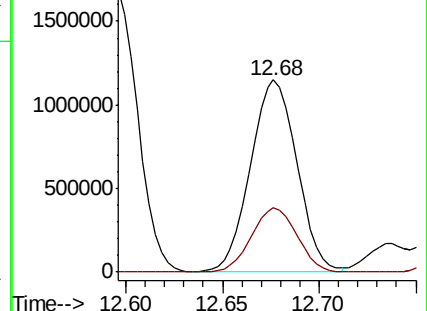
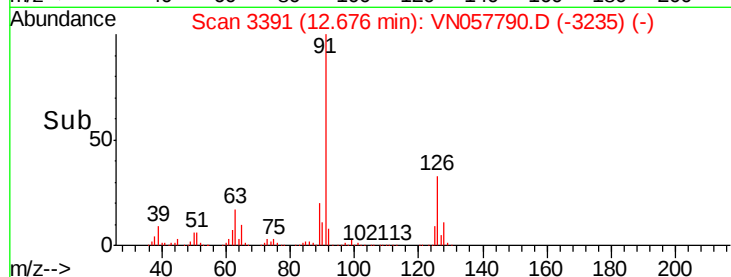
MMDadoda

9/13/2019 11:04:45 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057788.D (-3379) (-)



#76

1,3,5-Trimethylbenzene

Concen: 104.640 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057790.D

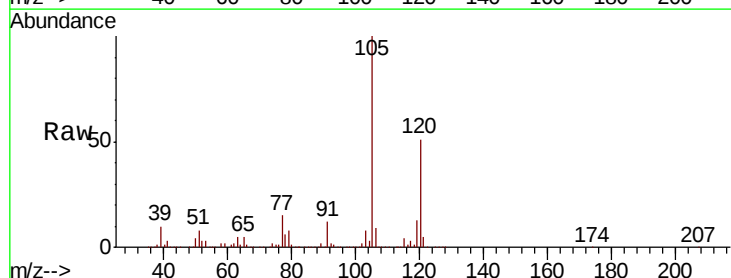
Acq: 9 Sep 2019 10:18

Tgt Ion: 105 Resp: 2316429

Ion Ratio Lower Upper

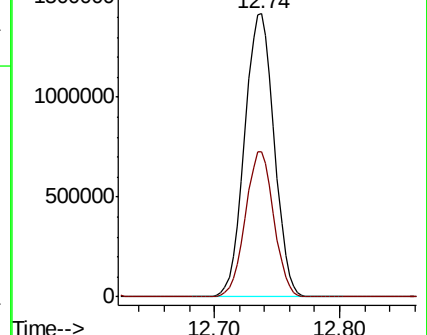
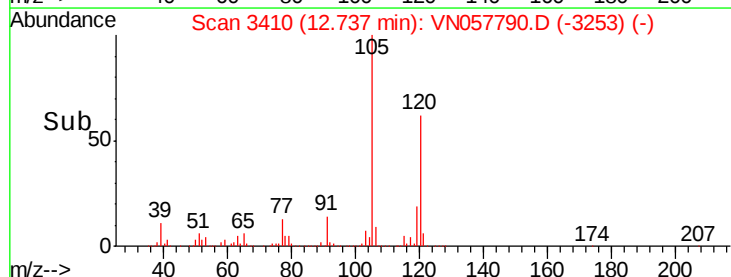
105 100

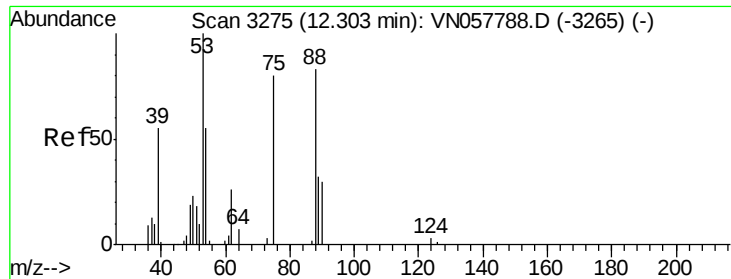
120 49.3 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN057788.D (-3396) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 122.768 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

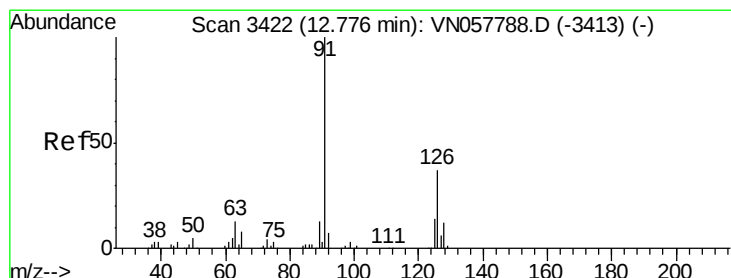
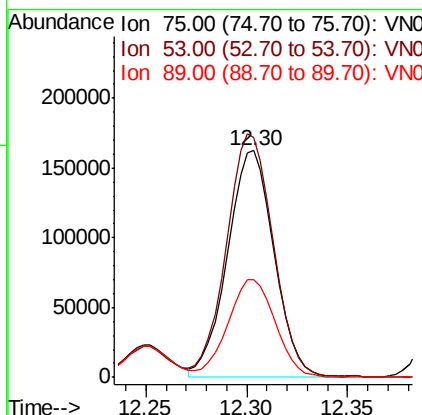
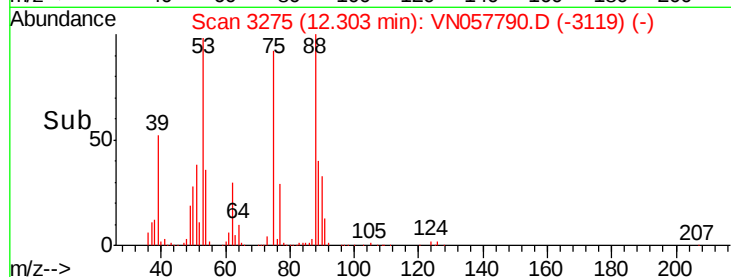
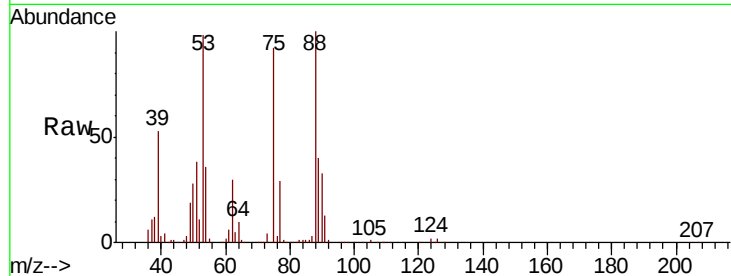
ClientSampleId :

VSTDIC100

Tgt Ion:	75	Resp:	262646
Ion	Ratio	Lower	Upper
75	100		
53	105.7	62.7	188.2
89	43.3	22.8	68.3

Manual Integrations
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9/13/2019 11:04:45 AM



#78

4-Chlorotoluene

Concen: 106.843 ug/l

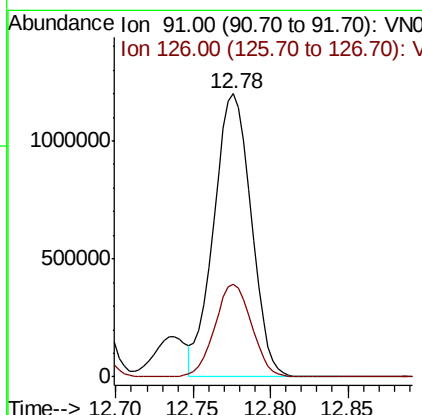
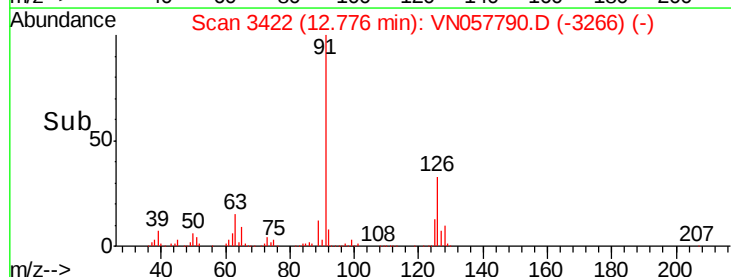
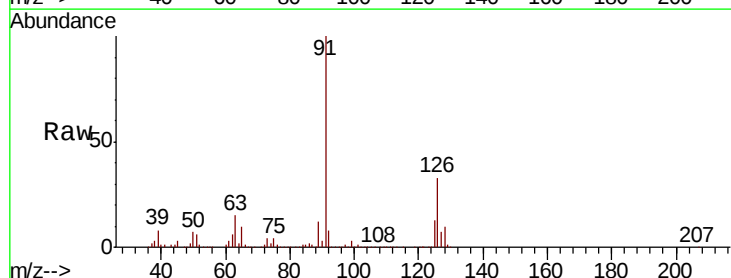
RT: 12.78 min Scan# 3422

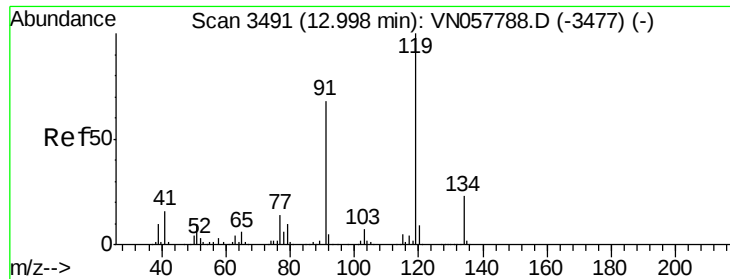
Delta R.T. -0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Tgt Ion:	91	Resp:	2016192
Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	65.2





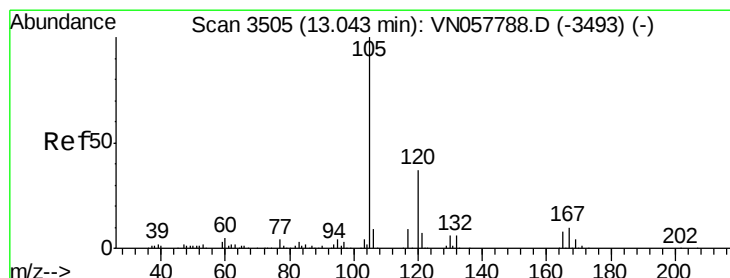
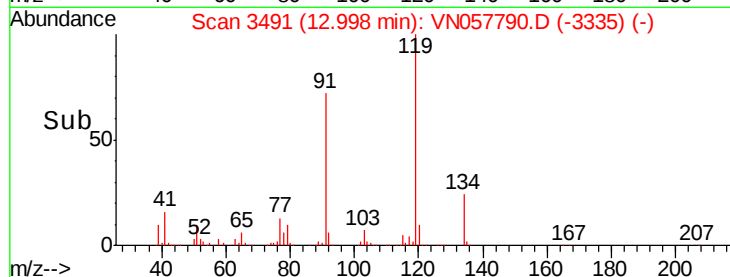
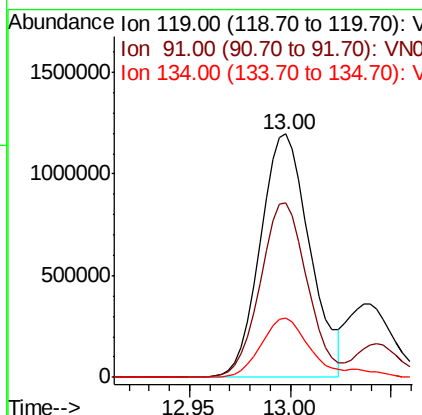
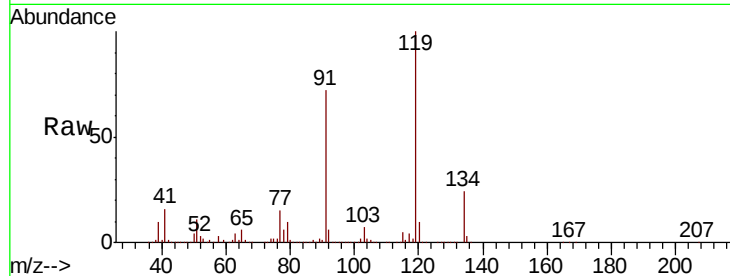
#79
tert-butylbenzene
Concen: 105.829 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion:119 Resp: 2043814
Ion Ratio Lower Upper
119 100
91 68.5 0.0 133.8
134 23.6 0.0 46.4

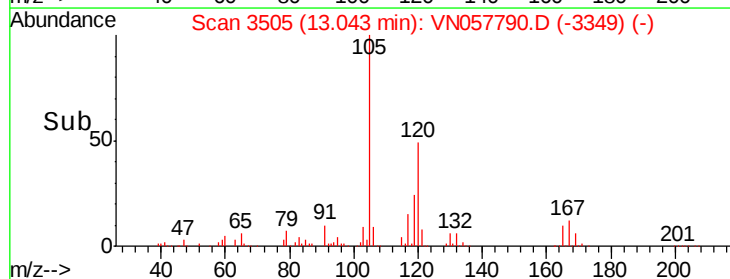
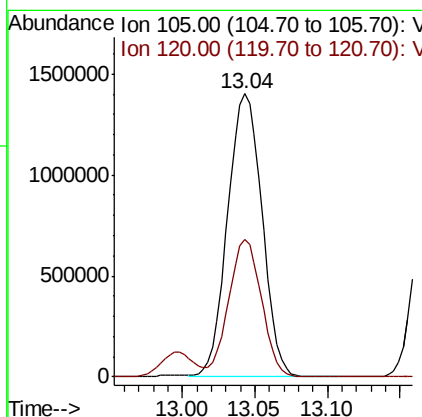
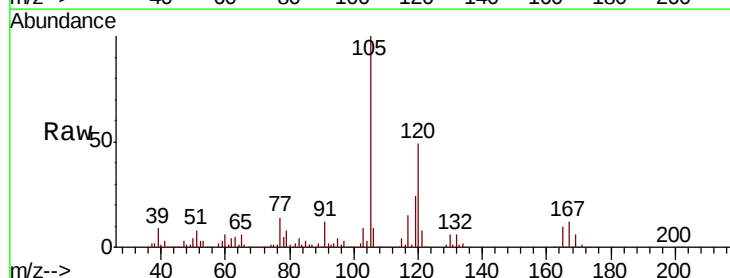
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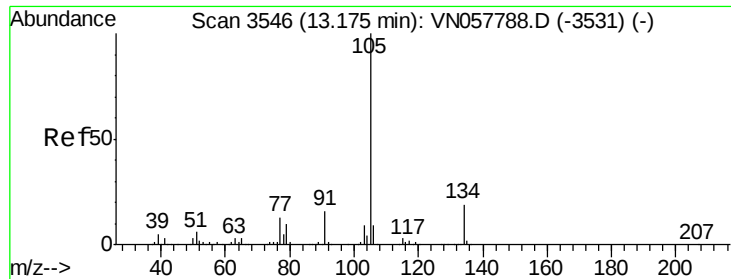
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 104.874 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion:105 Resp: 2313208
Ion Ratio Lower Upper
105 100
120 46.5 0.0 87.8





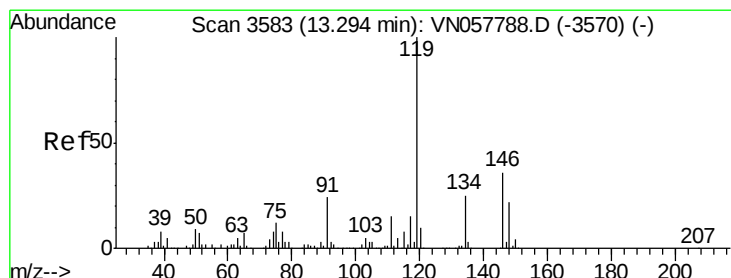
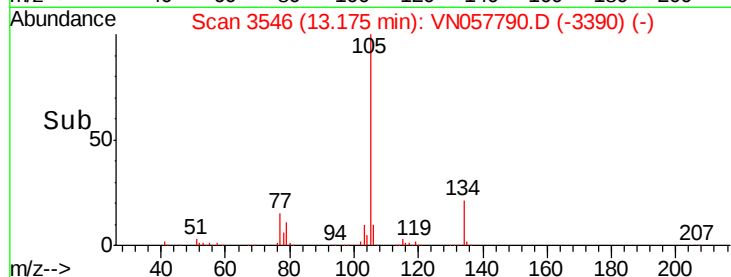
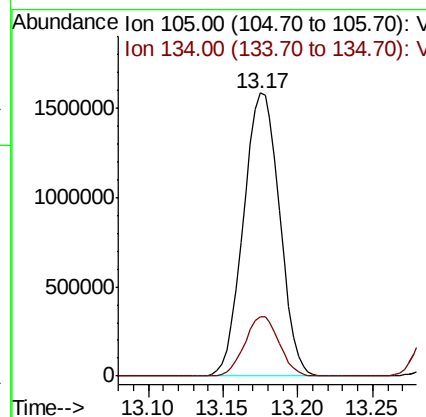
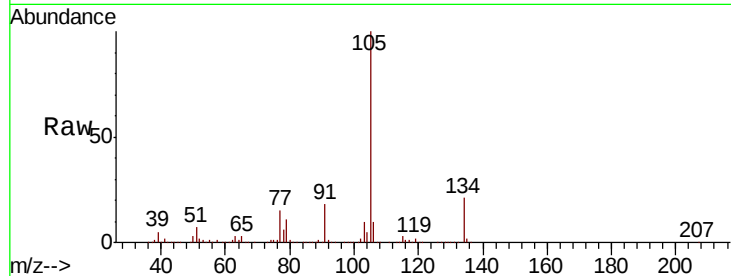
#81
 sec-Butylbenzene
 Concen: 103.918 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:105 Resp: 2662760
 Ion Ratio Lower Upper
 105 100
 134 20.1 0.0 37.6

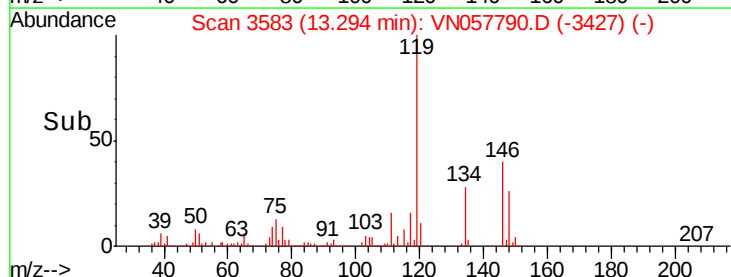
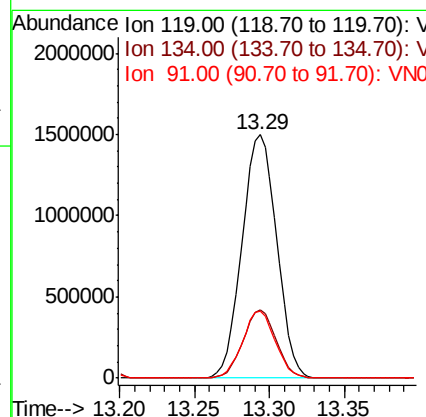
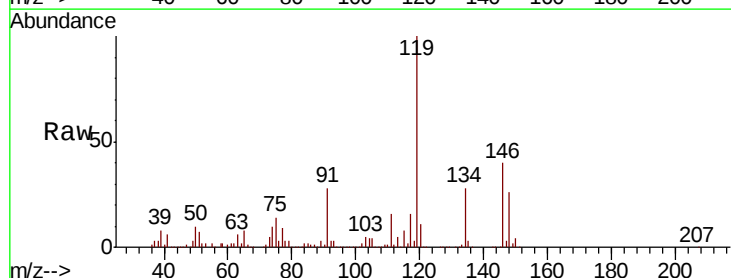
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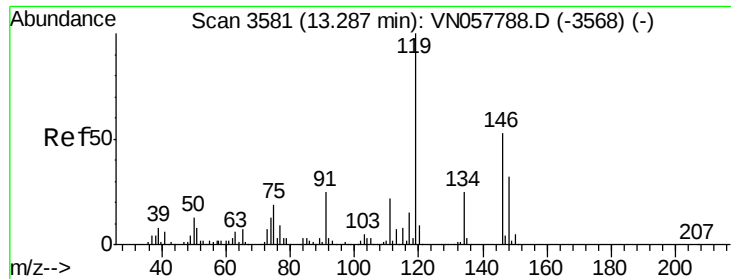
MMDadoda
 9/13/2019 11:04:45 AM



#82
 p-Isopropyltoluene
 Concen: 105.309 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion:119 Resp: 2416561
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 50.4
 91 26.0 0.0 48.8





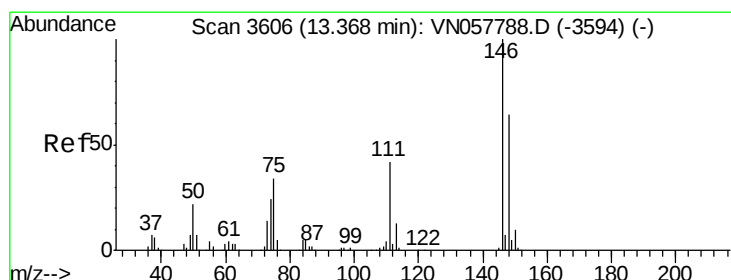
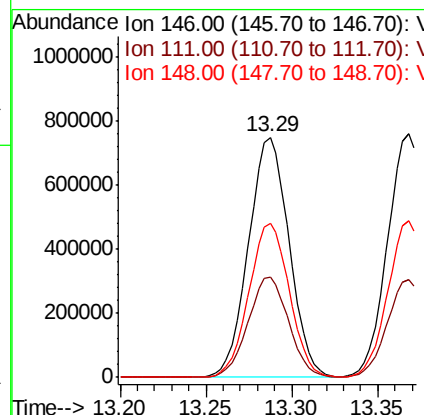
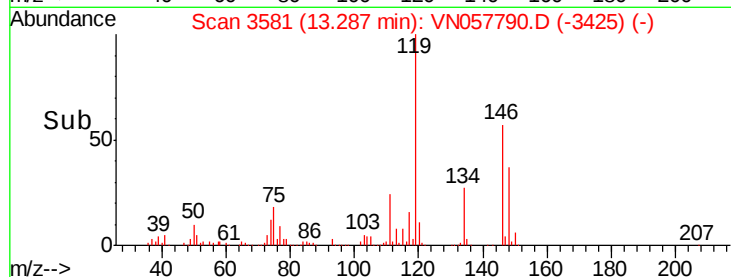
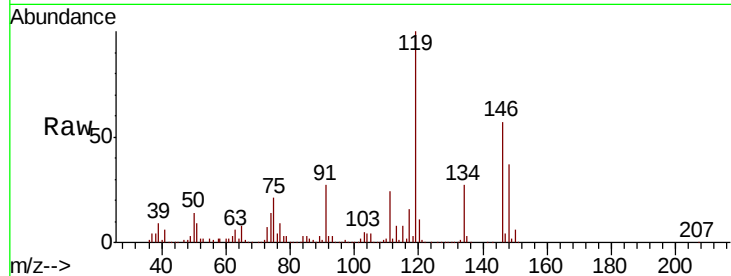
#83
 1,3-Dichlorobenzene
 Concen: 106.288 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion:146 Resp: 1229597
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.7 62.1
 148 63.9 30.9 92.5

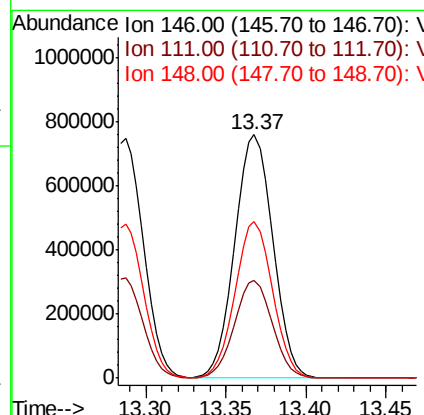
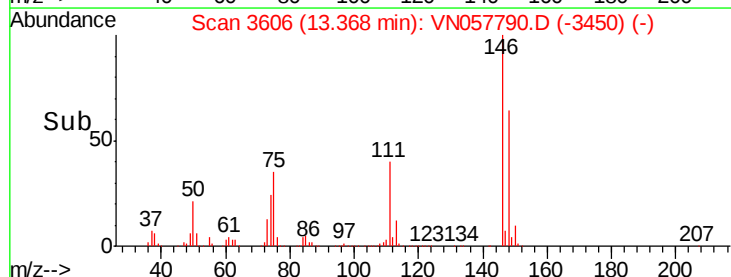
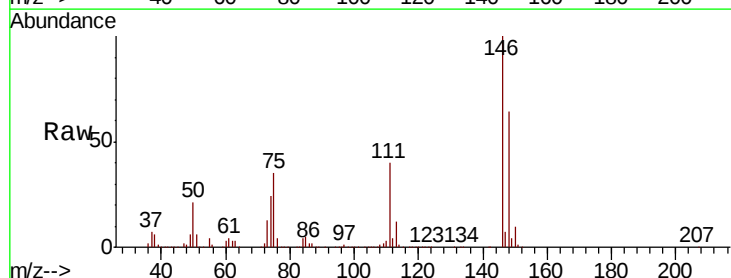
Manual Integrations
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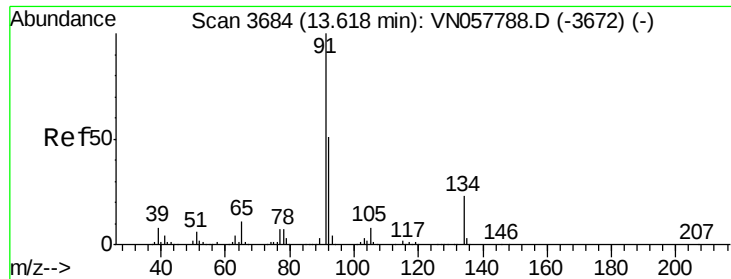
MMDadoda
 9/13/2019 11:04:45 AM



#84
 1,4-Dichlorobenzene
 Concen: 107.899 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion:146 Resp: 1228924
 Ion Ratio Lower Upper
 146 100
 111 39.9 21.1 63.4
 148 63.3 31.7 95.1





#85

n-Butylbenzene

Concen: 106.686 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Instrument :

MSVOA_N

ClientSampleId :

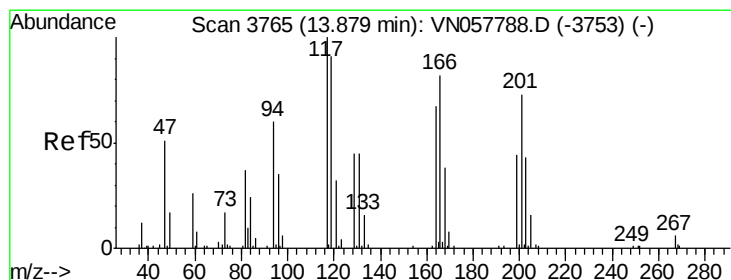
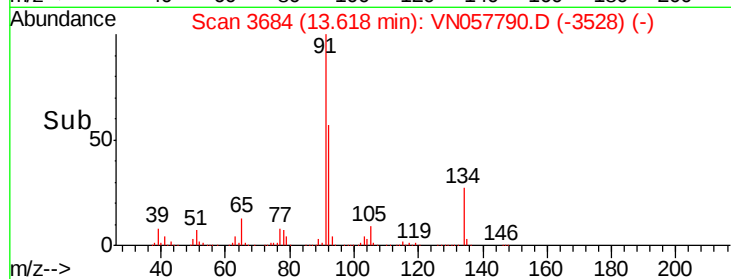
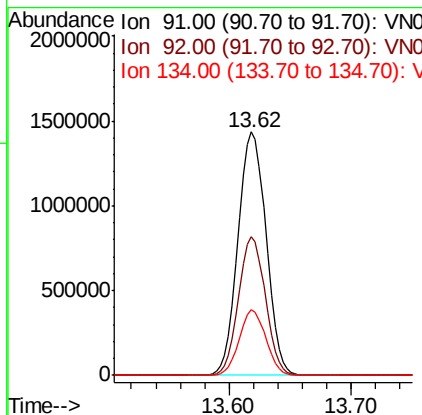
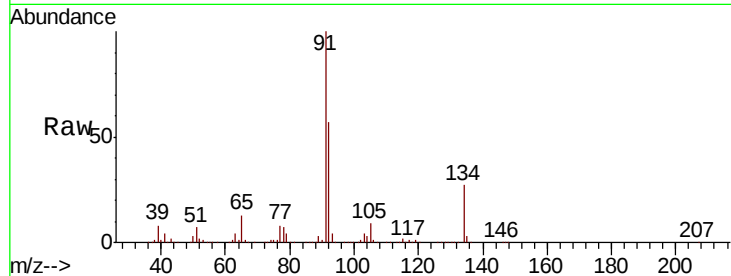
VSTDIC100

Tgt Ion: 91 Resp: 2281603

Ion	Ratio	Lower	Upper
91	100		
92	54.5	0.0	100.0
134	25.5	0.0	46.6

Manual Integrations
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#86

Hexachloroethane

Concen: 114.209 ug/l

RT: 13.88 min Scan# 3765

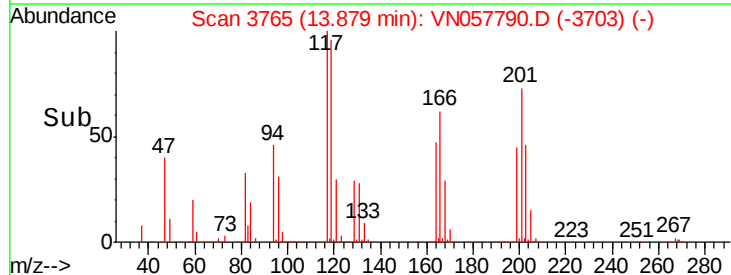
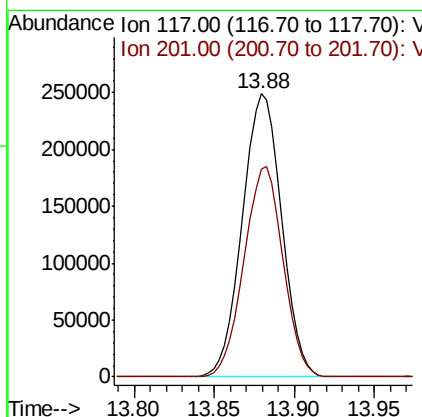
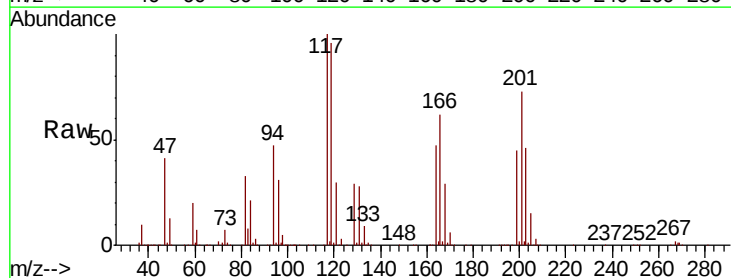
Delta R.T. -0.00 min

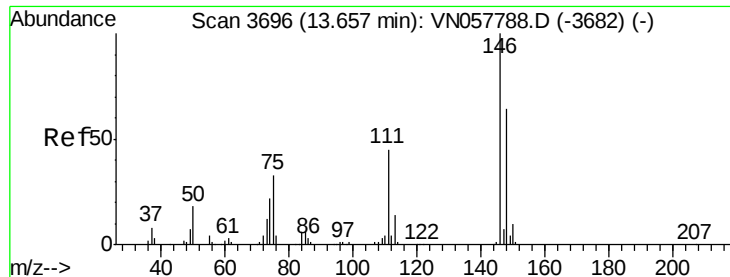
Lab File: VN057790.D

Acq: 9 Sep 2019 10:18

Tgt Ion: 117 Resp: 417445

Ion	Ratio	Lower	Upper
117	100		
201	73.9	36.7	110.1





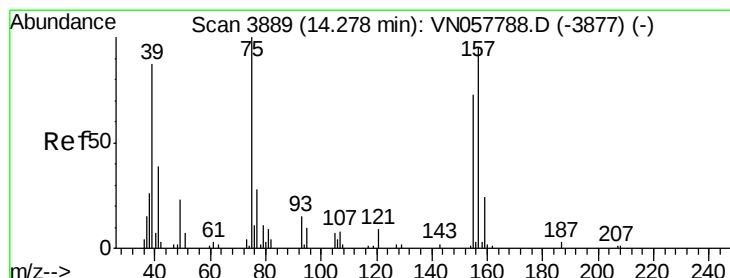
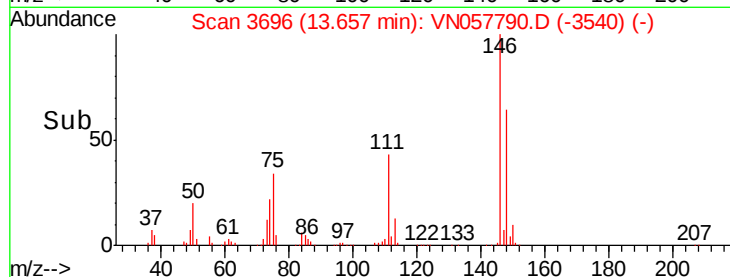
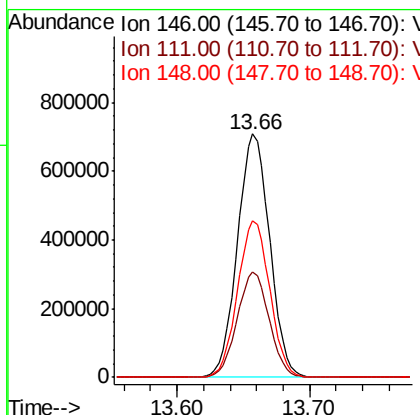
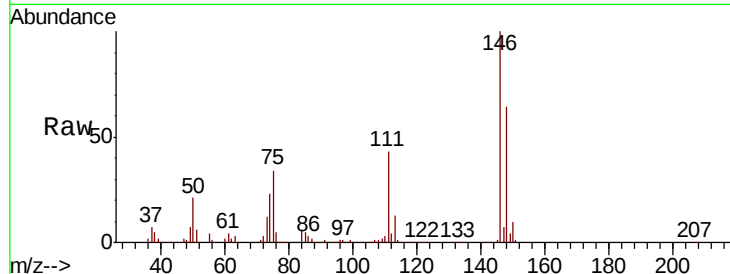
#87
 1,2-Dichlorobenzene
 Concen: 106.276 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion: 146 Resp: 1193441
 Ion Ratio Lower Upper
 146 100
 111 42.8 22.2 66.6
 148 64.1 32.1 96.3

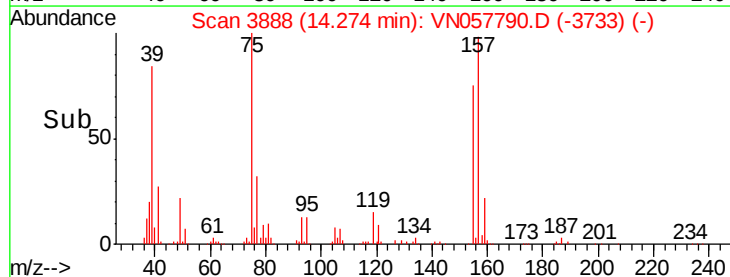
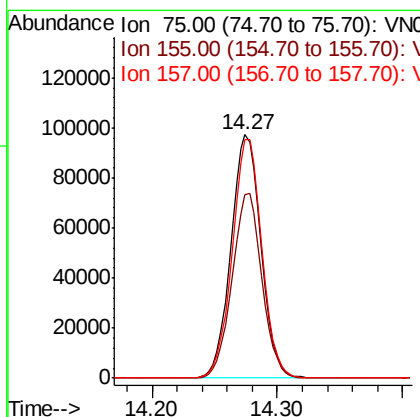
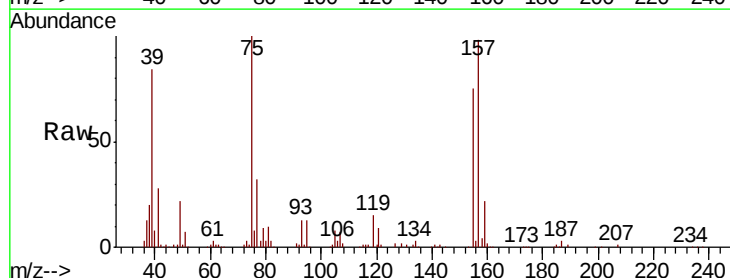
Manual Integrations
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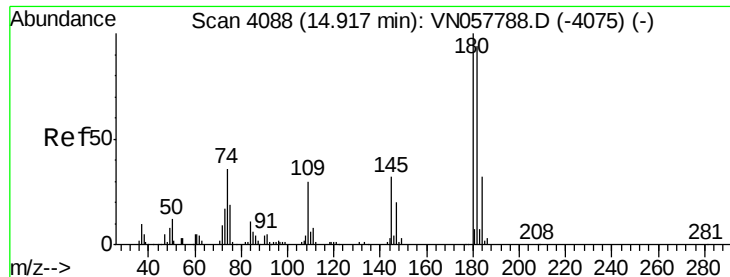
MMDadoda
 9/13/2019 11:04:45 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 113.012 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion: 75 Resp: 161666
 Ion Ratio Lower Upper
 75 100
 155 74.9 59.4 89.2
 157 96.3 74.6 112.0





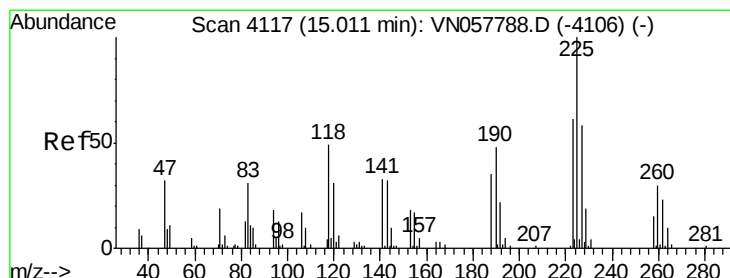
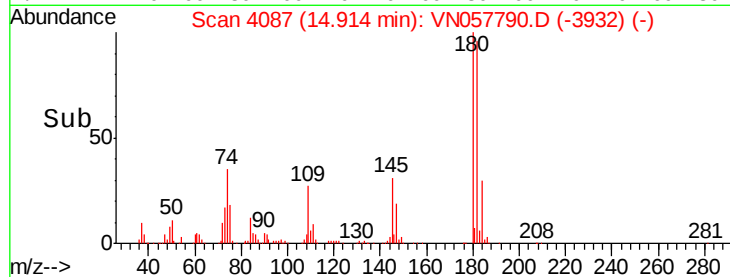
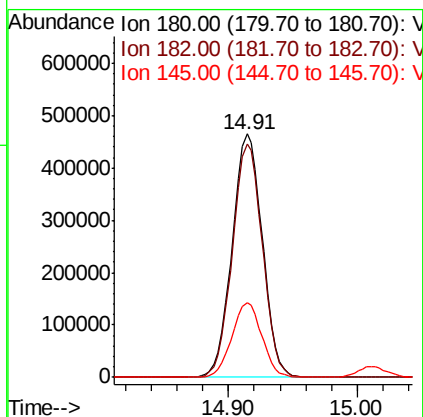
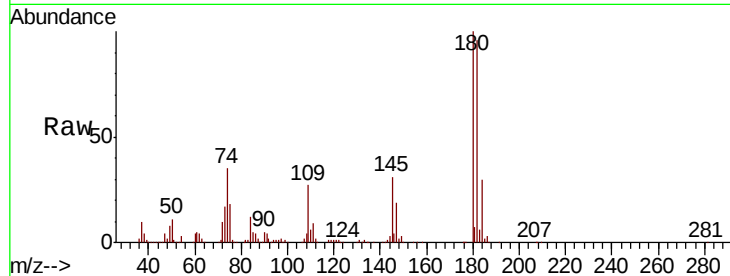
#89
 1,2,4-Trichlorobenzene
 Concen: 110.142 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	755549		
182	95.5	77.0	115.4	
145	30.5	26.1	39.1	

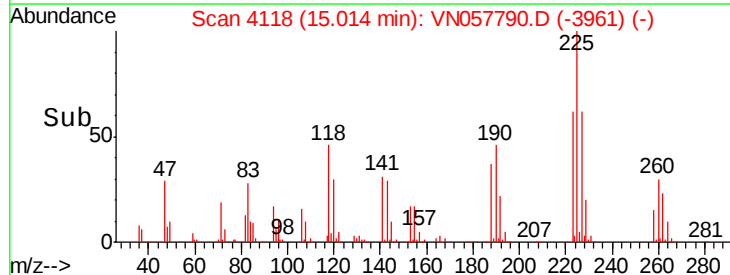
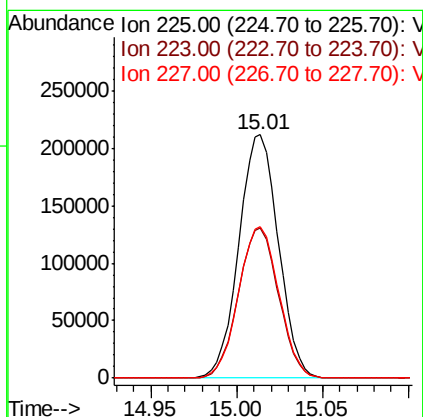
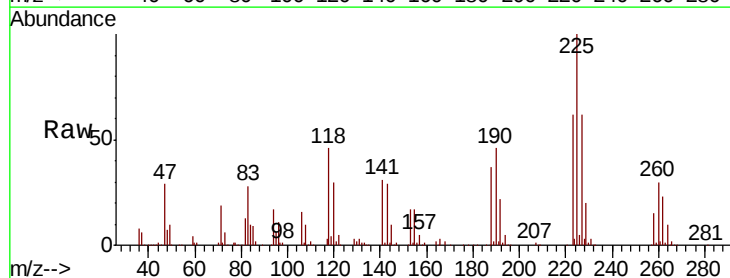
Manual Integrations
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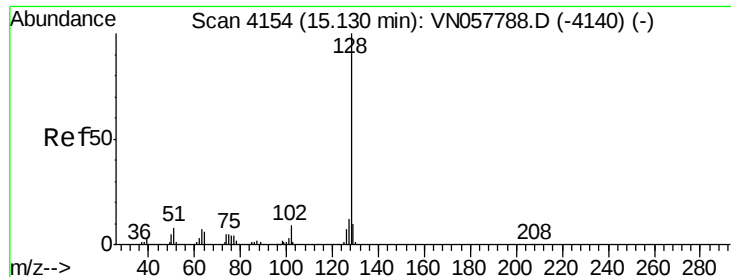
MMDadoda
 9/13/2019 11:04:45 AM



#90
 Hexachlorobutadiene
 Concen: 107.602 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057790.D
 Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	338989		
223	62.7	0.0	125.0	
227	63.5	0.0	123.8	





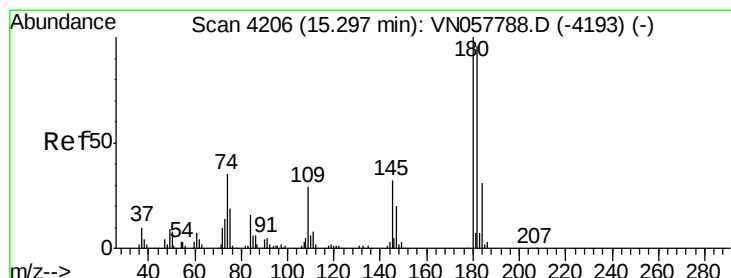
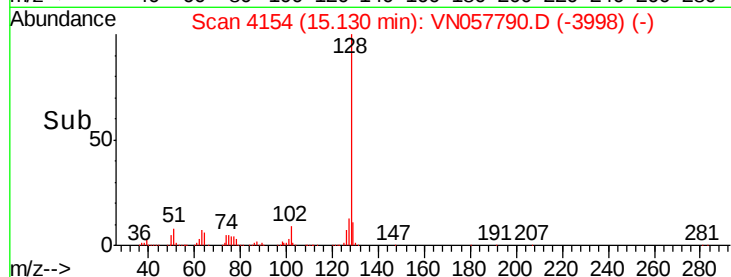
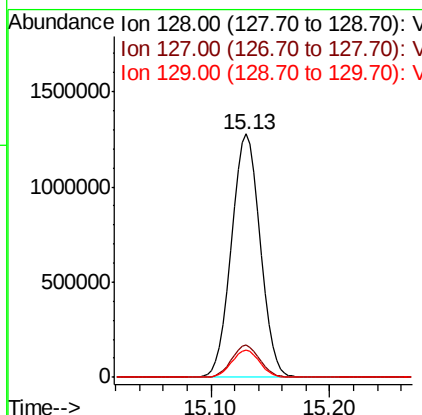
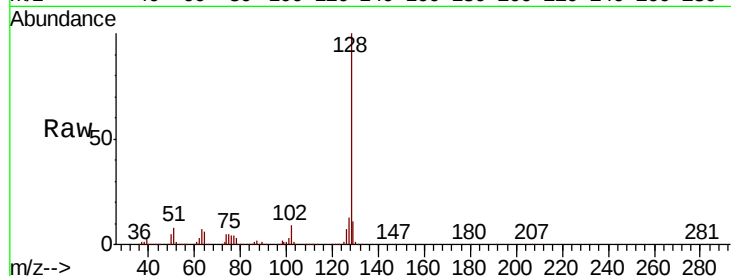
#91
Naphthalene
Concen: 113.246 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	11.0	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:45 AM



#92
1,2,3-Trichlorobenzene
Concen: 110.064 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057790.D
Acq: 9 Sep 2019 10:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	0.0	189.8
145	32.1	0.0	65.0

