

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057789.D
 Acq On : 9 Sep 2019 9:56
 Operator : JC/SP
 Sample : VSTDIC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:04:37 AM

Quant Time: Sep 09 12:10:08 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	71376	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	424752	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	384844	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	186746	29.58	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.60%
60) 4-Bromofluorobenzene	12.40	95	199916	30.36	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.20%
63) Toluene-d8	10.08	98	551637	29.86	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.53%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	213893	49.599	ug/l 98
3) Chloromethane	2.03	50	270634	50.329	ug/l 98
4) Vinyl Chloride	2.16	62	278839	50.683	ug/l 99
5) Bromomethane	2.54	94	165555	47.995	ug/l 93
6) Chloroethane	2.68	64	171518	50.164	ug/l 100
7) Trichlorofluoromethane	2.99	101	296525	46.652	ug/l 99
8) Diethyl Ether	3.39	74	130864	51.036	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	196735	49.568	ug/l 99
10) 1,1-Dichloroethene	3.71	96	186721	49.474	ug/l 94
11) Methyl Iodide	3.93	142	251449	49.797	ug/l 99
12) Methyl Acetate	4.30	43	262358	50.586	ug/l 97
13) Acrolein	3.58	56	64197	228.443	ug/l 99
14) Acrylonitrile	4.96	53	548945	259.988	ug/l # 92
15) Acetone	3.80	58	154471	257.696	ug/l 99
16) Carbon Disulfide	4.03	76	432804	49.247	ug/l 100
17) Allyl chloride	4.30	41	348235	50.354	ug/l 94
18) Methylene Chloride	4.53	84	233896	49.179	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	204980	48.730	ug/l 97
20) Diisopropyl ether	5.93	45	794987	49.171	ug/l 96
21) 1,1-Dichloroethane	5.82	63	445966	50.025	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	256700	49.807	ug/l 100
23) tert-Butyl Alcohol	4.76	59	178730	259.295	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	718644	49.685	ug/l # 100
25) Chloroform	7.36	83	446043	49.145	ug/l 100
26) Cyclohexane	7.64	56	372954	49.791	ug/l # 99
29) 1,1-Dichloropropene	7.78	75	333382	49.893	ug/l 99
30) 2-Butanone	6.82	43	781544	259.404	ug/l 100
31) 2,2-Dichloropropane	6.81	77	351189	49.781	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	368288	49.022	ug/l 98
33) Carbon Tetrachloride	7.76	117	304177	49.632	ug/l 98
34) Benzene	8.03	78	988129	49.908	ug/l # 90
35) Methacrylonitrile	7.16	41	160530	58.482	ug/l 94
36) 1,2-Dichloroethane	8.11	62	383347	49.895	ug/l 99
37) Trichloroethene	8.83	130	236872	49.258	ug/l 100
38) Methylcyclohexane	9.07	83	378657	49.767	ug/l 98
39) 1,2-Dichloropropane	9.11	63	273178	49.131	ug/l 99
40) Dibromomethane	9.20	93	169197	50.032	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	342066	50.171	ug/l	94
42) Vinyl Acetate	5.87	43	3305029	272.788	ug/l	99
43) Ethyl Acetate	6.91	43	324567m	52.225	ug/l	
44) Isopropyl Acetate	8.15	43	541766	50.344	ug/l #	92
45) 1,4-Dioxane	9.19	88	87017	1033.241	ug/l	98
46) Methyl methacrylate	9.19	41	264126	50.450	ug/l	99
47) n-amyl Acetate	12.07	43	521459	52.994	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	370371	51.026	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	410120	50.360	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	241873	49.308	ug/l	97
51) Ethyl methacrylate	10.43	69	390819	51.383	ug/l	99
52) 1,3-Dichloropropane	10.71	76	430065	50.133	ug/l	99
53) Dibromochloromethane	10.90	129	244010	50.369	ug/l	100
54) 1,2-Dibromoethane	11.00	107	244972	50.193	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	938739	259.739	ug/l	100
56) Bromoform	12.13	173	153297	51.080	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	1667430	279.391	ug/l	100
59) 2-Hexanone	10.75	43	1223216	273.125	ug/l	100
61) Tetrachloroethene	10.63	164	191815	49.022	ug/l	98
62) Toluene	10.15	91	1089847	51.144	ug/l	99
64) Chlorobenzene	11.43	112	662557	50.122	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	231286	50.392	ug/l	99
66) Ethyl Benzene	11.51	91	1243342	53.478	ug/l	100
67) m/p-Xylenes	11.62	106	908746	113.166	ug/l	100
68) o-Xylene	11.95	106	440939	50.706	ug/l	99
69) Styrene	11.97	104	765210	51.610	ug/l	100
70) Isopropylbenzene	12.25	105	1227974	53.413	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	375767	52.299	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	328518m	52.249	ug/l	
73) Bromobenzene	12.53	156	275760	50.102	ug/l	99
74) n-propylbenzene	12.59	91	1436416	54.687	ug/l	100
75) 2-Chlorotoluene	12.68	91	840835	51.395	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	1039186	53.083	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	101940	53.882	ug/l	89
78) 4-Chlorotoluene	12.78	91	877802	52.601	ug/l	99
79) tert-butylbenzene	13.00	119	895871	52.455	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	1048016	53.728	ug/l	99
81) sec-Butylbenzene	13.17	105	1225865	54.098	ug/l	99
82) p-Isopropyltoluene	13.29	119	1108801	54.639	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	525865	51.401	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	517452	51.374	ug/l	98
85) n-Butylbenzene	13.62	91	1019186	53.889	ug/l	98
86) Hexachloroethane	13.88	117	164873	51.007	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	509406	51.295	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	68461	54.116	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	317166	52.282	ug/l	99
90) Hexachlorobutadiene	15.01	225	142481	51.141	ug/l	99
91) Naphthalene	15.13	128	912963	54.696	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	298864	51.658	ug/l	100

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ClientSampleId :
VSTDICC050

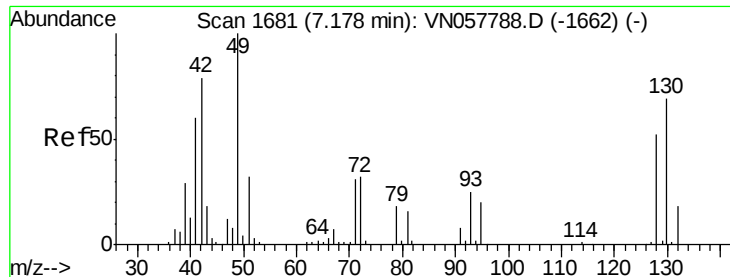
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



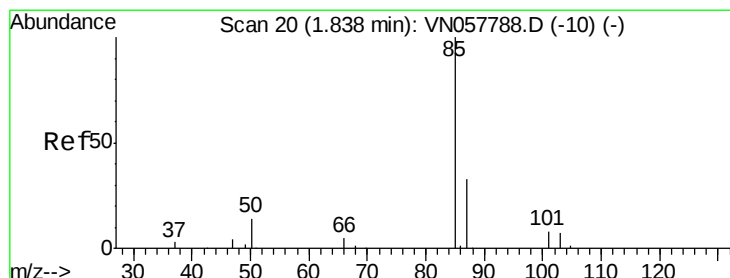
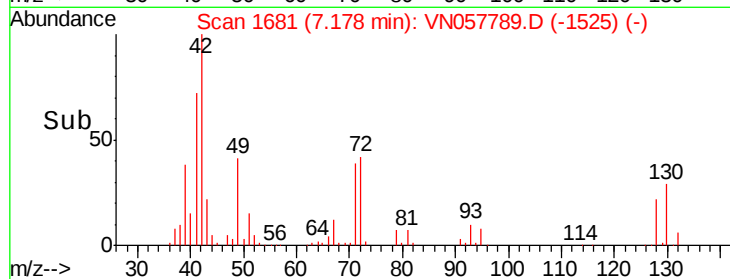
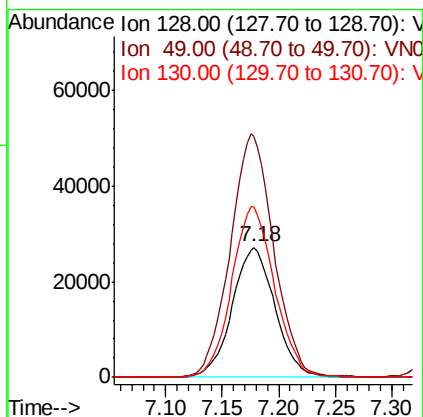
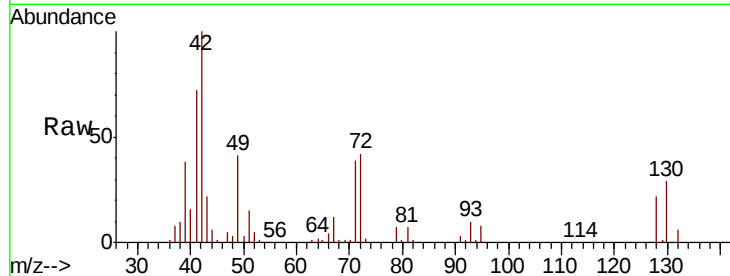
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
128	100		
49	190.1	0.0	486.5
130	131.4	0.0	324.5

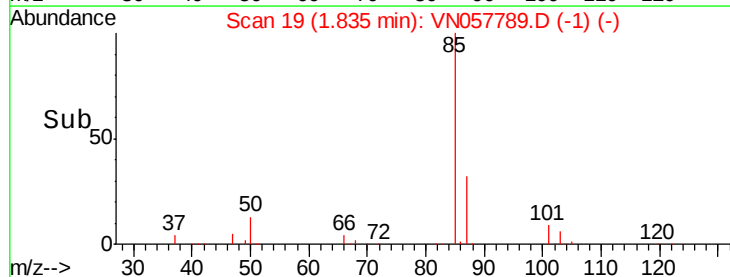
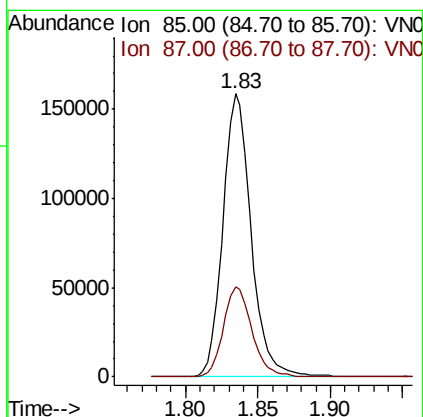
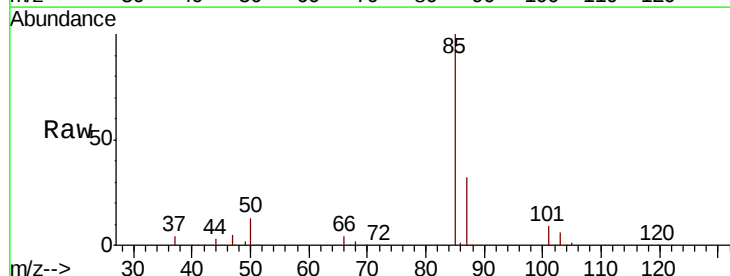
Manual Integrations
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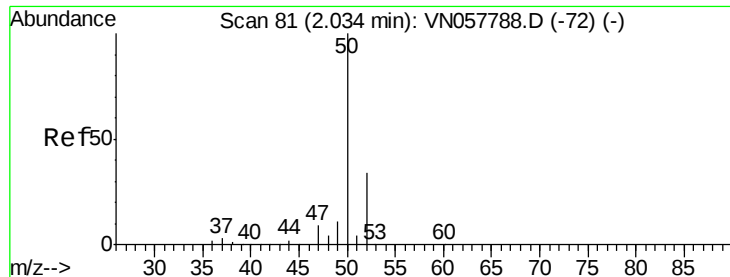
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#2
 Dichlorodifluoromethane
 Concen: 49.599 ug/l
 RT: 1.83 min Scan# 19
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.4	49.4





#3

Chloromethane

Concen: 50.329 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 50 Resp: 270634

Ion Ratio Lower Upper

50 100

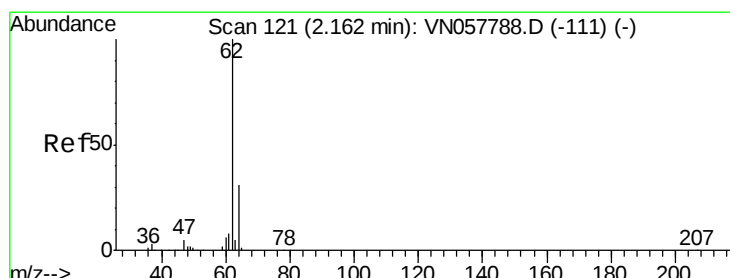
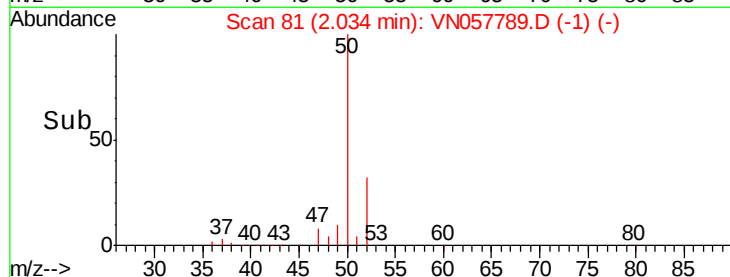
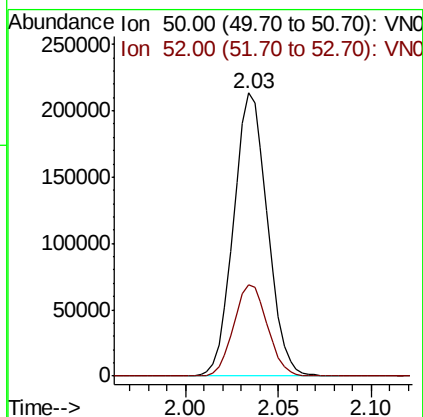
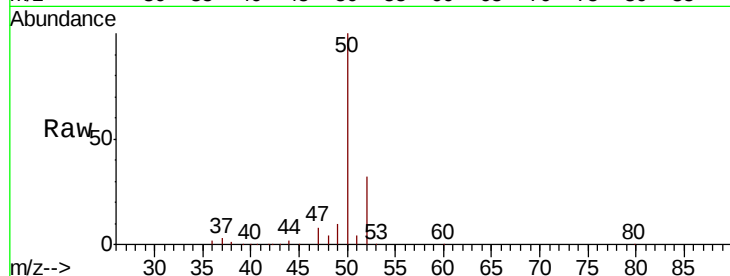
52 32.4 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.683 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057789.D

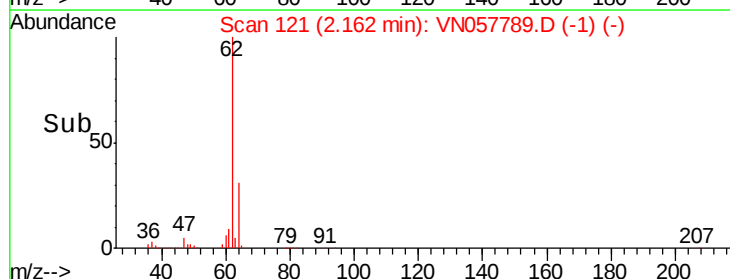
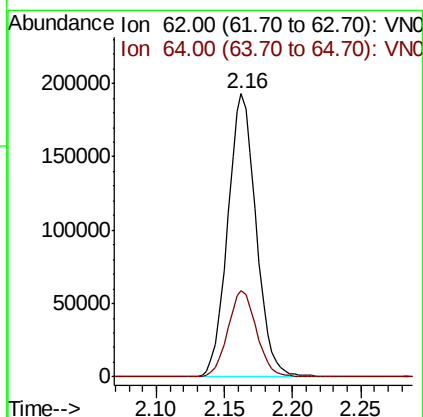
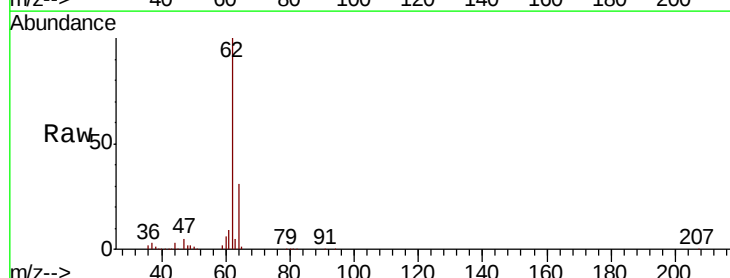
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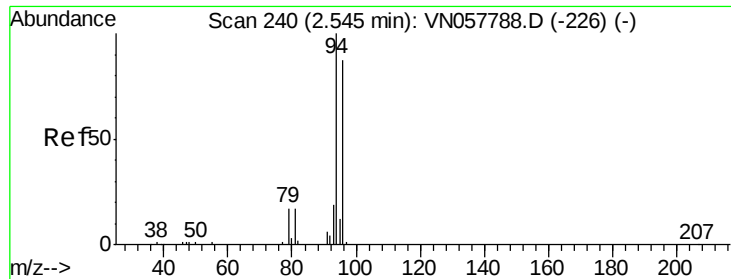
Tgt Ion: 62 Resp: 278839

Ion Ratio Lower Upper

62 100

64 30.6 25.0 37.6





#5

Bromomethane

Concen: 47.995 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 94 Resp: 16555

Ion Ratio Lower Upper

94 100

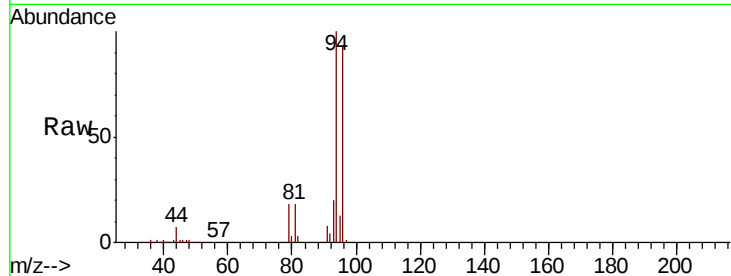
96 92.5 69.2 103.8

Manual Integrations

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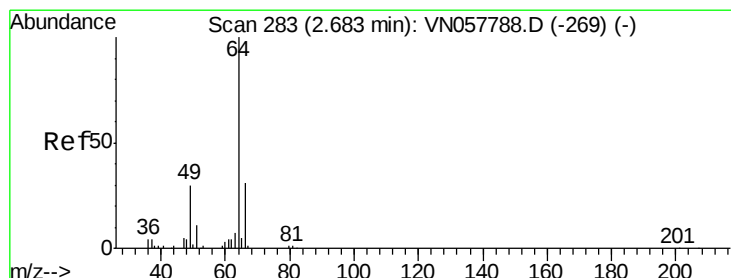
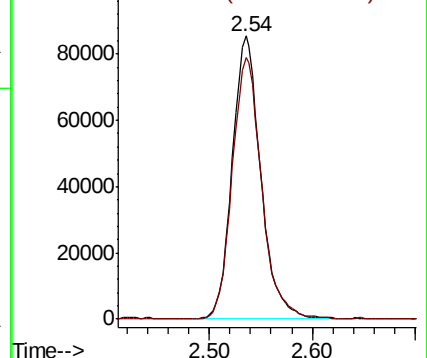
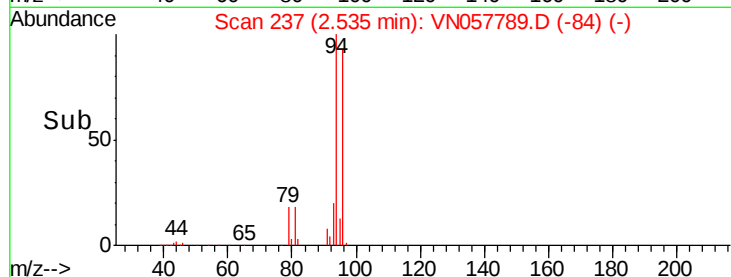
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Abundance Ion 94.00 (93.70 to 94.70): VN057789.D (-226) (-)

Ion 96.00 (95.70 to 96.70): VN057789.D (-226) (-)



#6

Chloroethane

Concen: 50.164 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.01 min

Lab File: VN057789.D

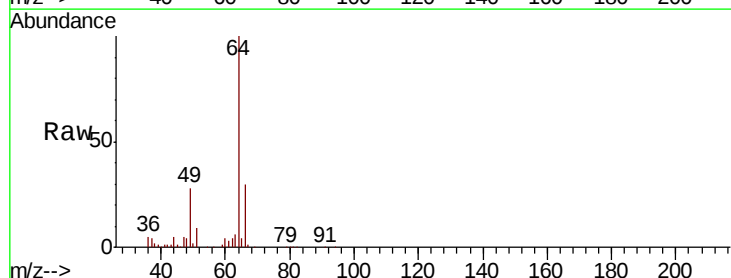
Acq: 9 Sep 2019 9:56

Tgt Ion: 64 Resp: 171518

Ion Ratio Lower Upper

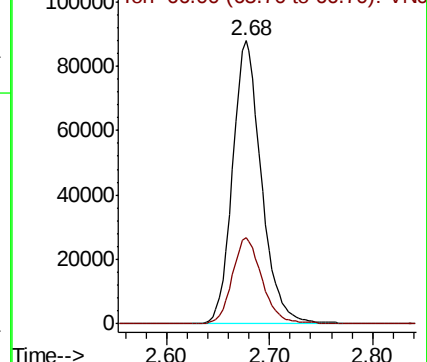
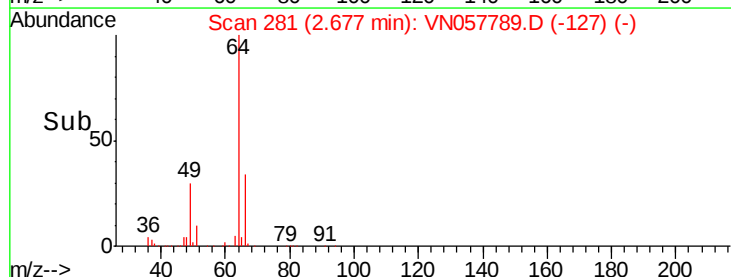
64 100

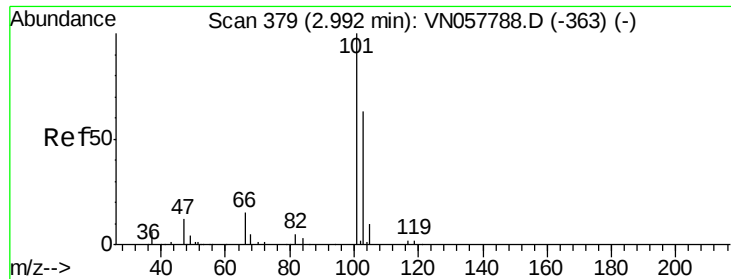
66 30.3 24.4 36.6



Abundance Ion 64.00 (63.70 to 64.70): VN057789.D (-269) (-)

Ion 66.00 (65.70 to 66.70): VN057789.D (-269) (-)





#7

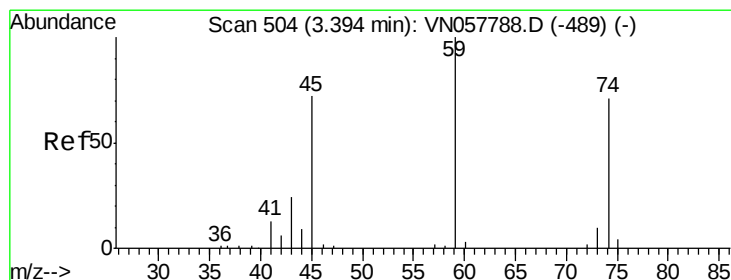
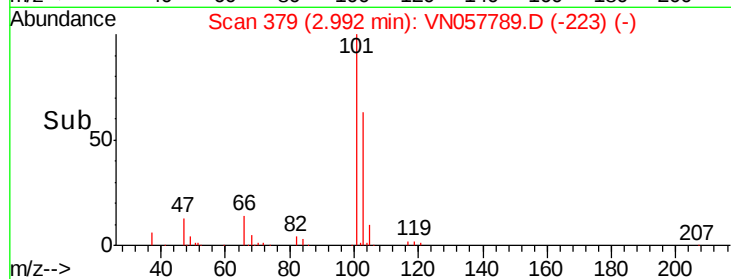
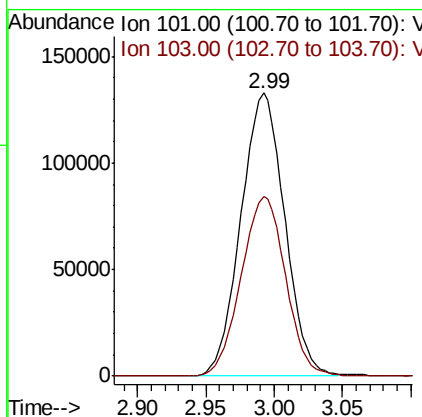
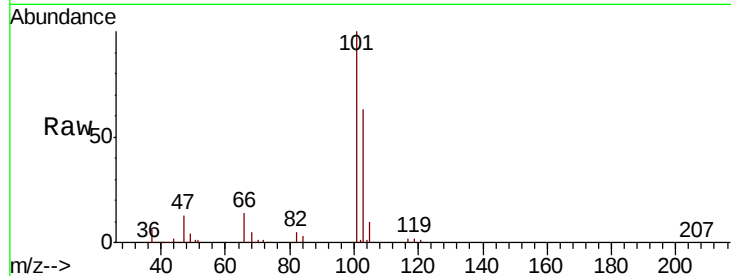
Trichlorofluoromethane
 Concen: 46.652 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	296525		
103	63.3	50.2	75.2	

Manual Integrations
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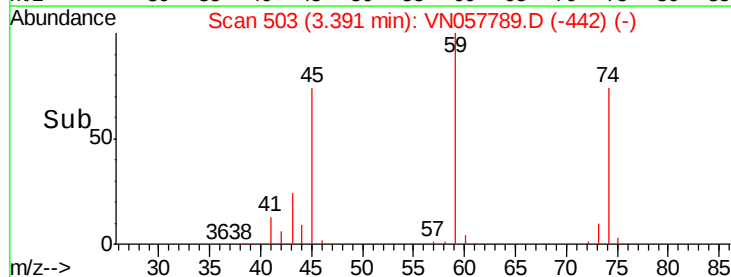
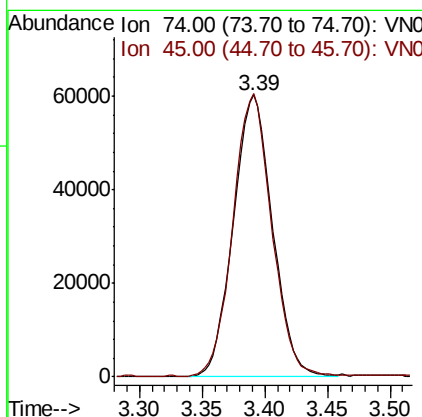
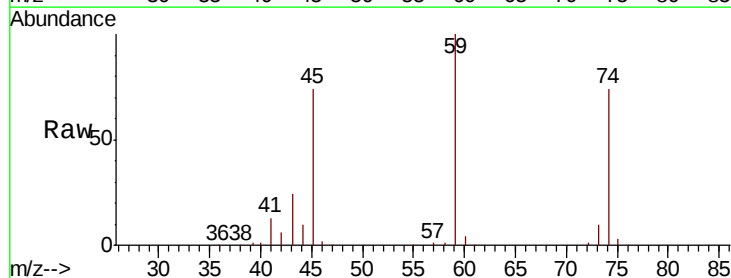
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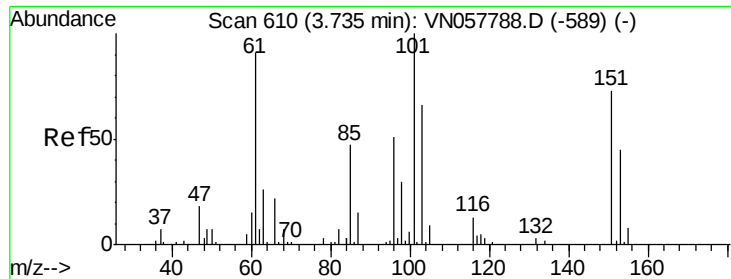


#8

Diethyl Ether
 Concen: 51.036 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	130864		
45	99.1	20.3	182.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.568 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

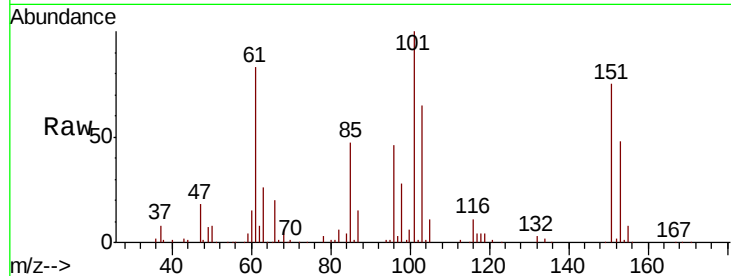
ClientSampled :

VSTDIC050

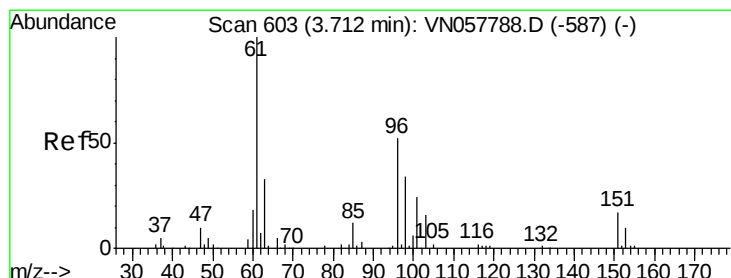
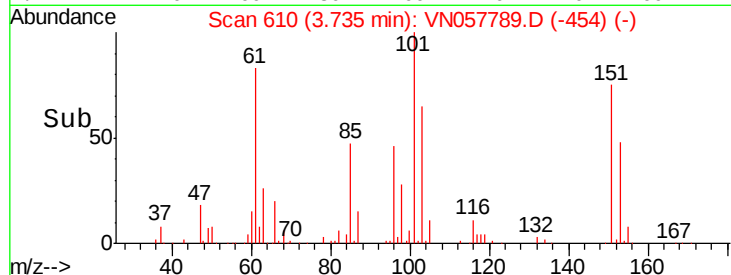
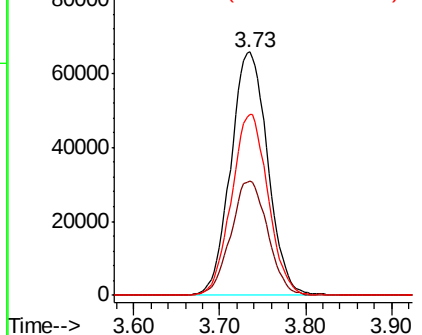
Tgt Ion:	101	Resp:	196735
Ion Ratio	Lower	Upper	
101	100		
85	46.9	0.0	94.0
151	73.4	0.0	144.4

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Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 49.474 ug/l

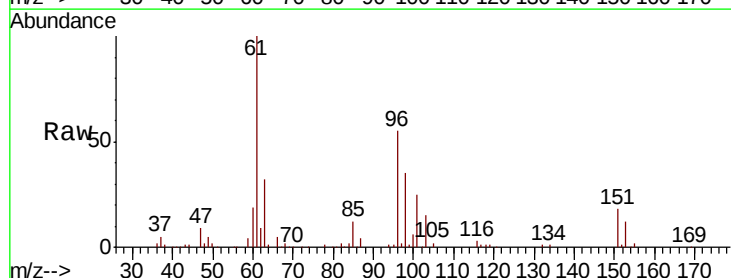
RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

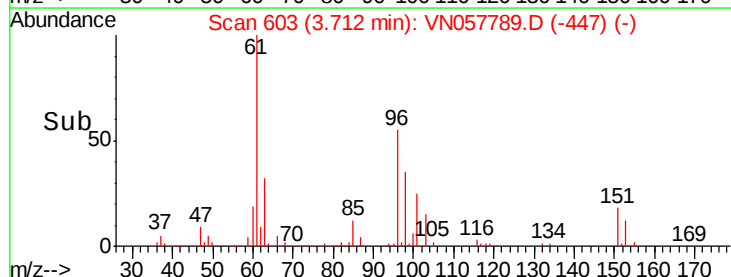
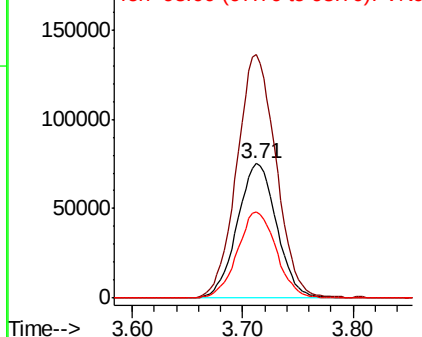
Lab File: VN057789.D

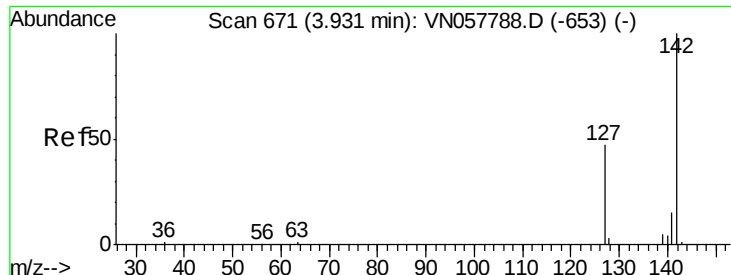
Acq: 9 Sep 2019 9:56

Tgt Ion:	96	Resp:	186721
Ion Ratio	Lower	Upper	
96	100		
61	180.7	153.4	230.0
98	64.0	51.5	77.3



Abundance Ion 96.00 (95.70 to 96.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 98.00 (97.70 to 98.70): V





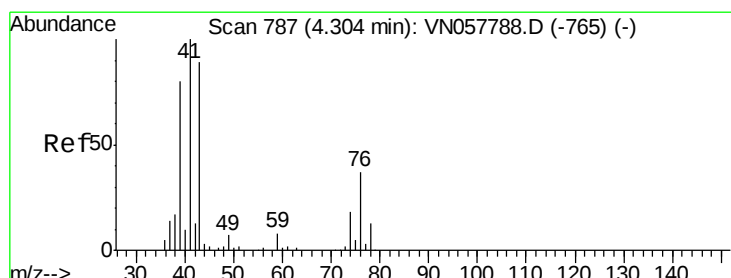
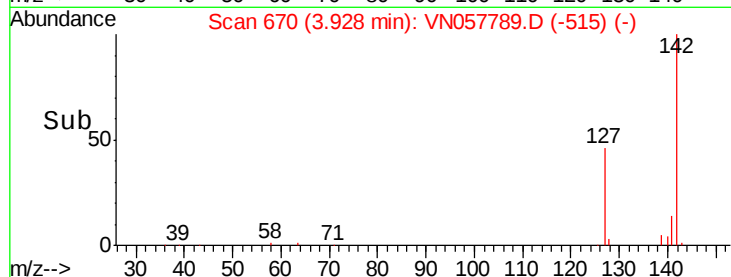
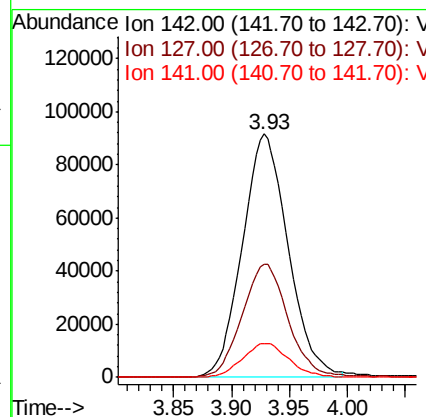
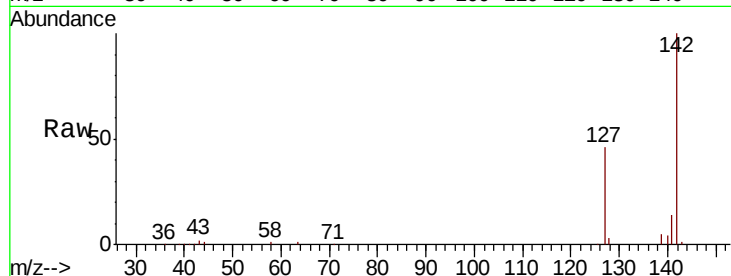
#11
Methyl Iodide
Concen: 49.797 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.3	23.3	69.8
141	14.1	7.5	22.6

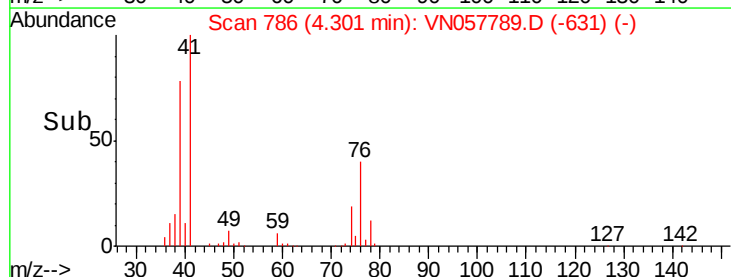
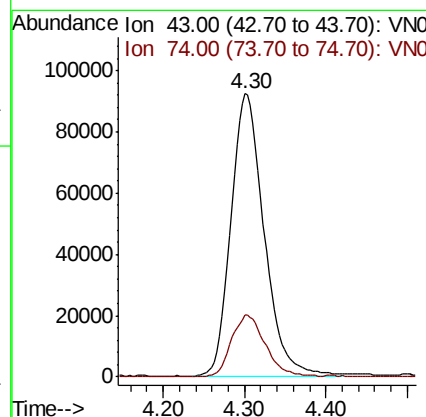
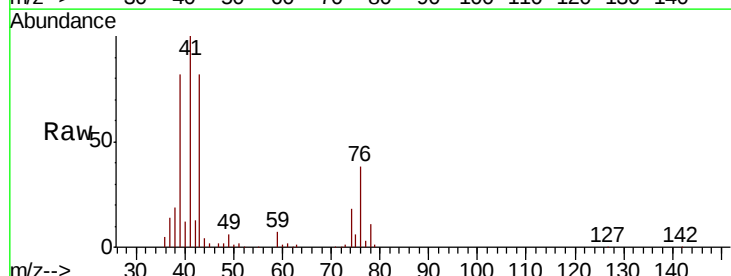
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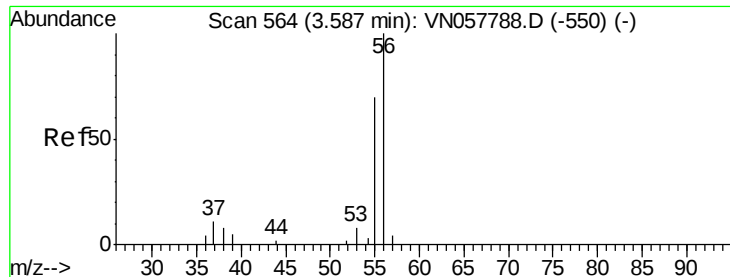
MMDadoda
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#12
Methyl Acetate
Concen: 50.586 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.2	24.4





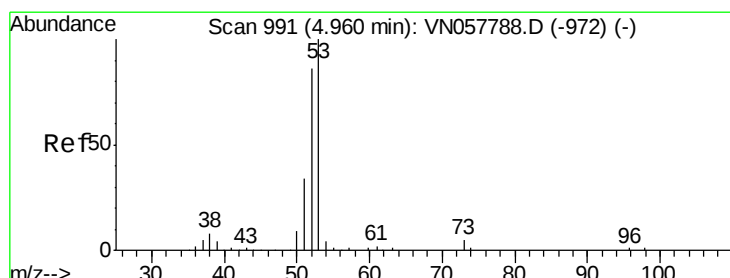
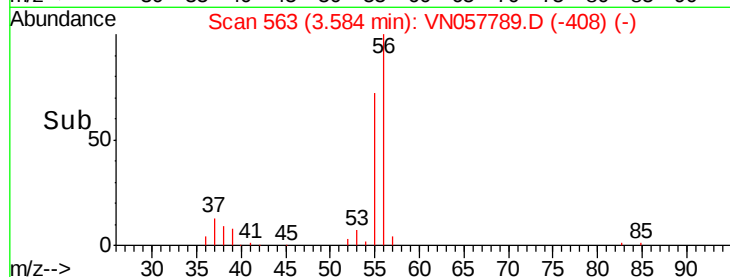
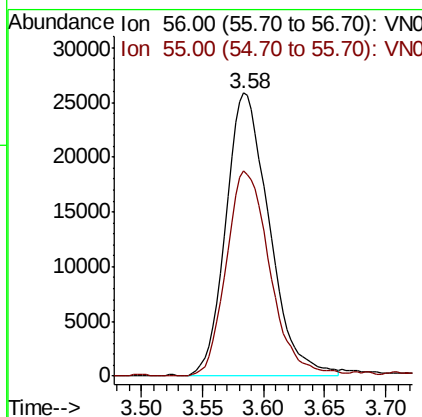
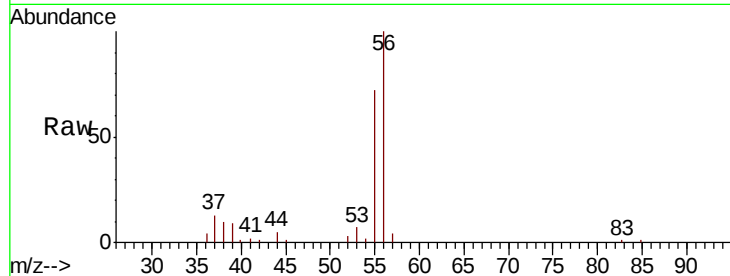
#13
Acrolein
Concen: 228.443 ug/l
RT: 3.58 min Scan# 563
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.8	59.0	88.4

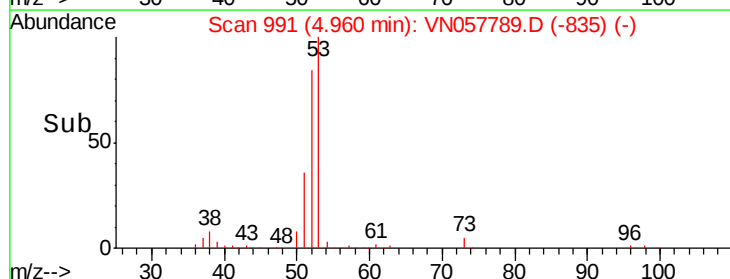
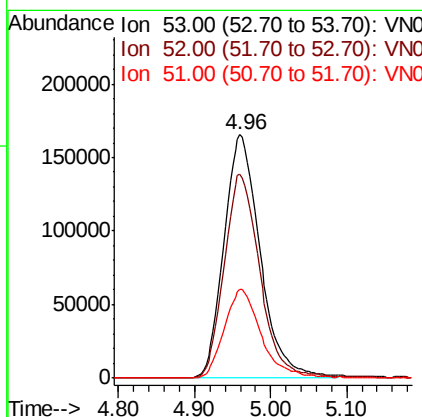
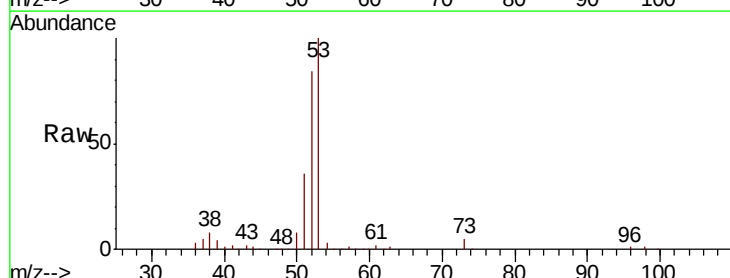
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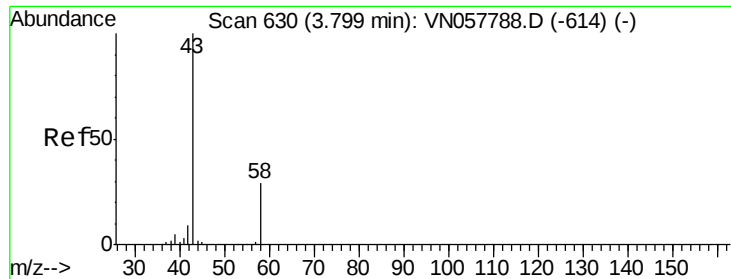
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#14
Acrylonitrile
Concen: 259.988 ug/l
RT: 4.96 min Scan# 991
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.8	41.0	123.0
51	37.1	8.6	25.8#





#15

Acetone

Concen: 257.696 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 58 Resp: 154471

Ion Ratio Lower Upper

58 100

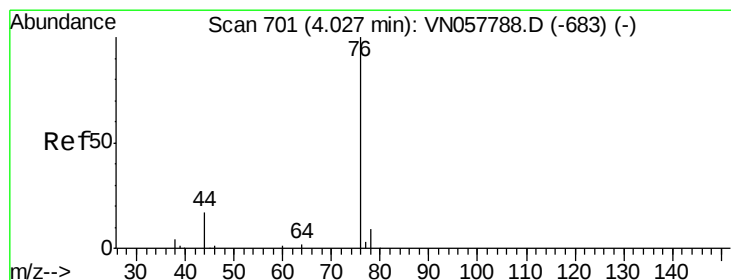
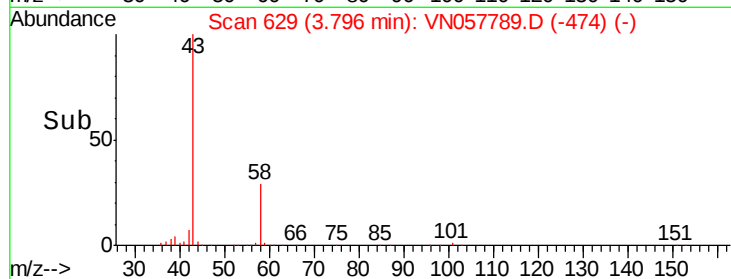
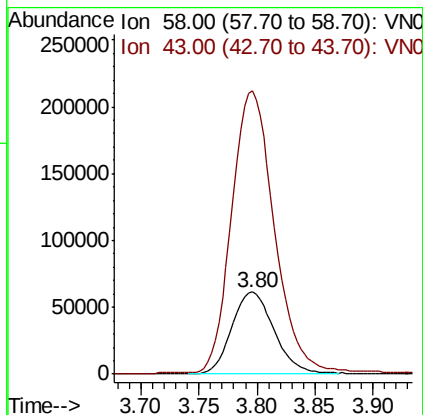
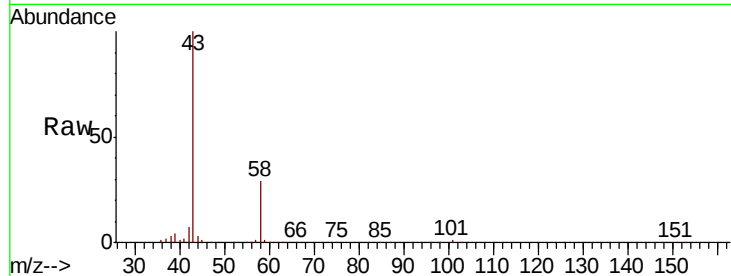
43 344.8 277.7 416.5

Manual Integrations

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#16

Carbon Disulfide

Concen: 49.247 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN057789.D

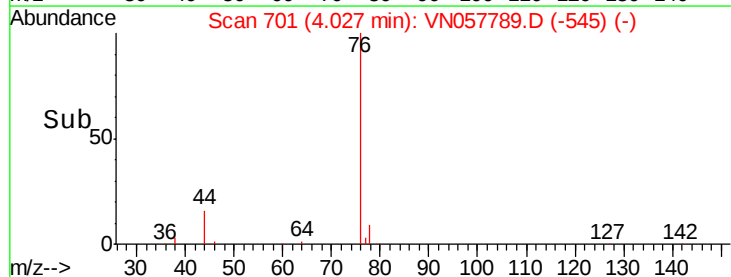
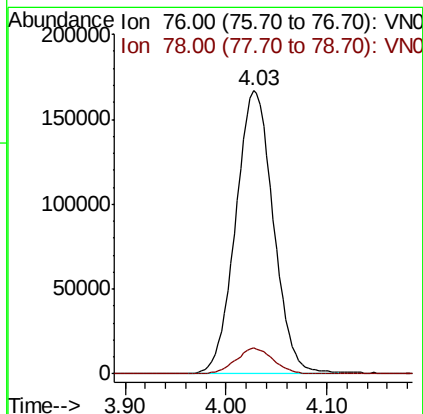
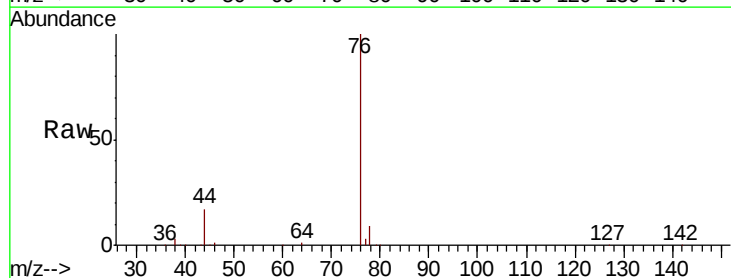
Acq: 9 Sep 2019 9:56

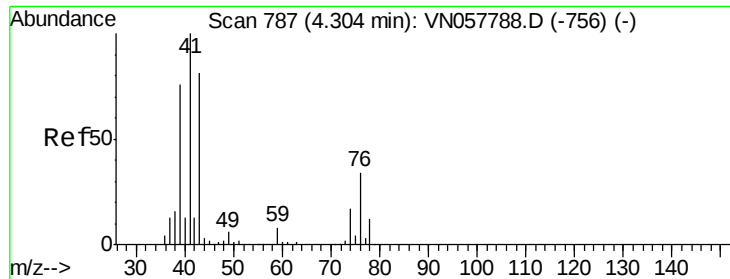
Tgt Ion: 76 Resp: 432804

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0





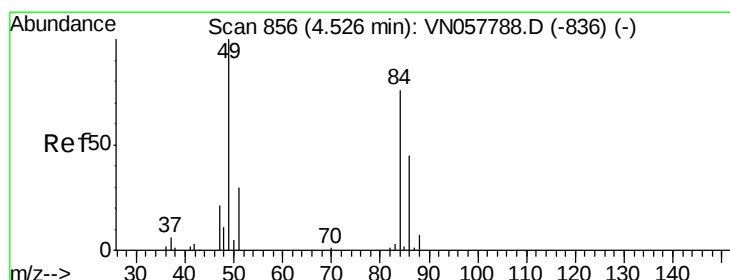
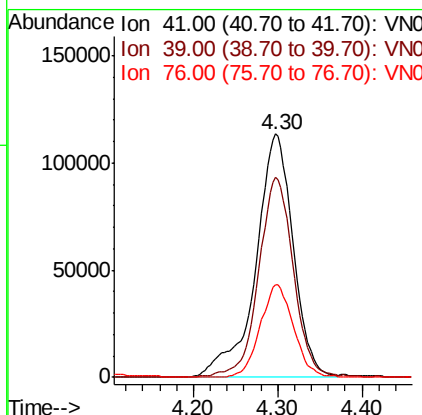
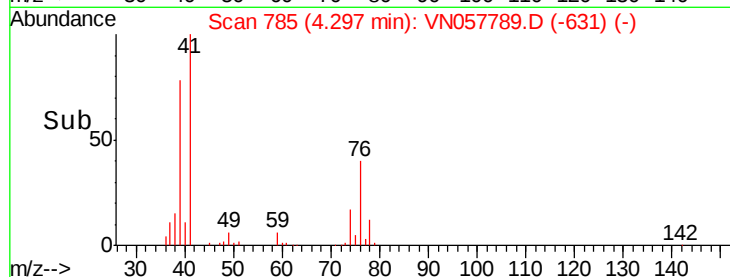
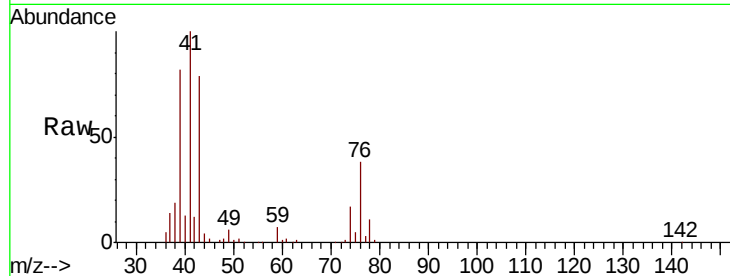
#17
 Allyl chloride
 Concen: 50.354 ug/l
 RT: 4.30 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion:	41	Resp:	348235
Ion	Ratio	Lower	Upper
41	100		
39	82.3	38.5	115.3
76	37.7	17.2	51.6

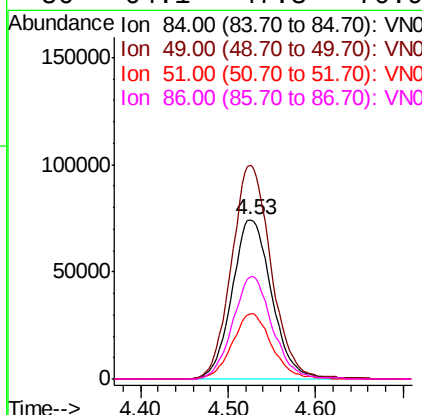
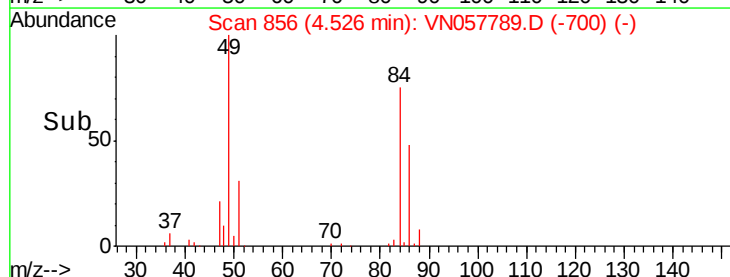
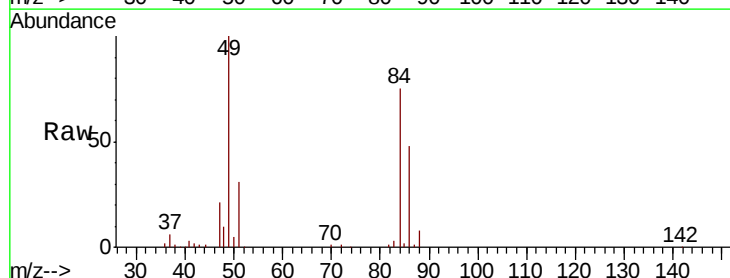
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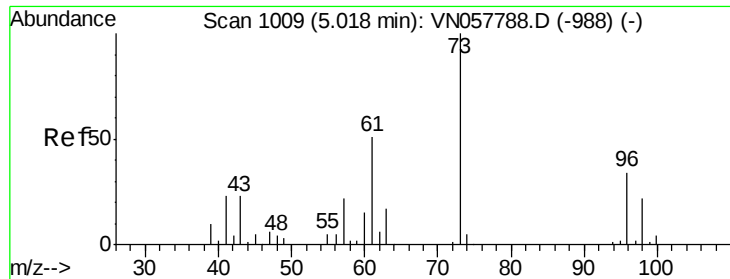
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#18
 Methylene Chloride
 Concen: 49.179 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion:	84	Resp:	233896
Ion	Ratio	Lower	Upper
84	100		
49	134.2	105.4	158.2
51	40.9	31.3	46.9
86	64.1	47.3	70.9





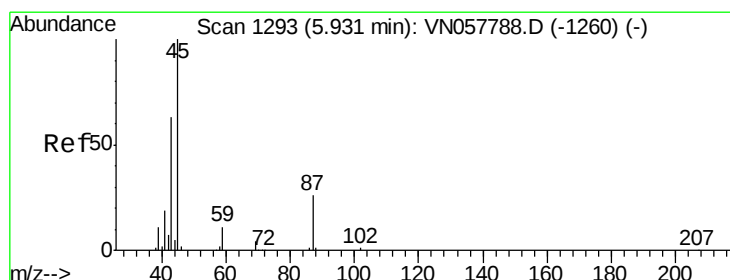
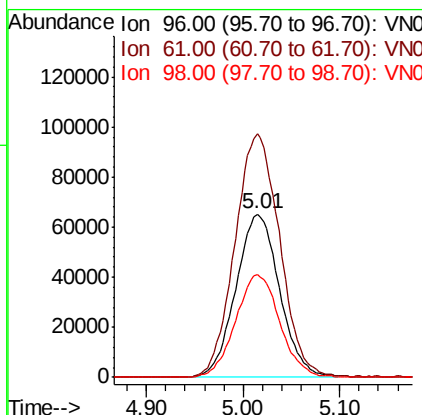
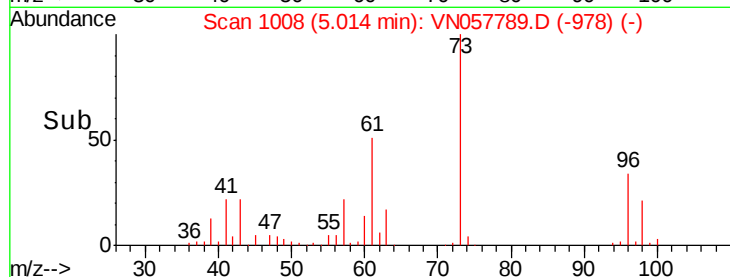
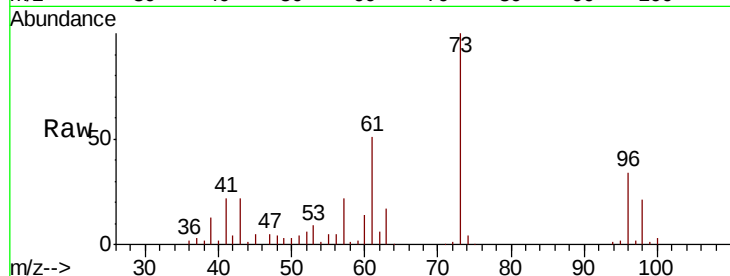
#19
trans-1,2-Dichloroethene
Concen: 48.730 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.4	121.0	181.6
98	62.8	52.7	79.1

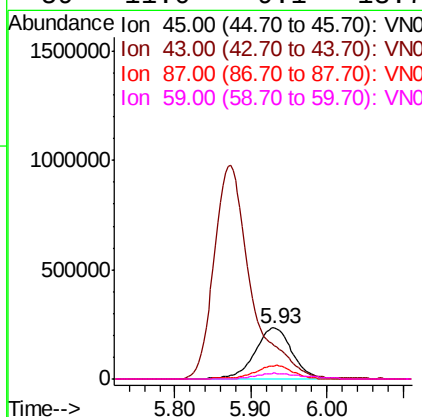
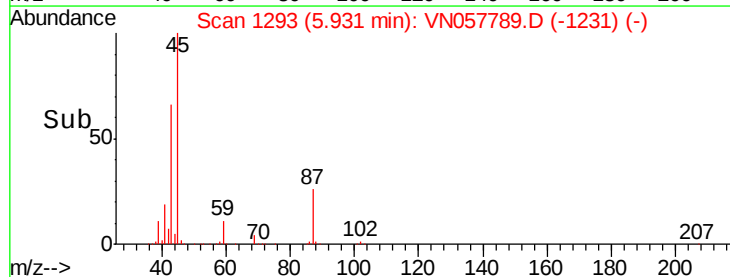
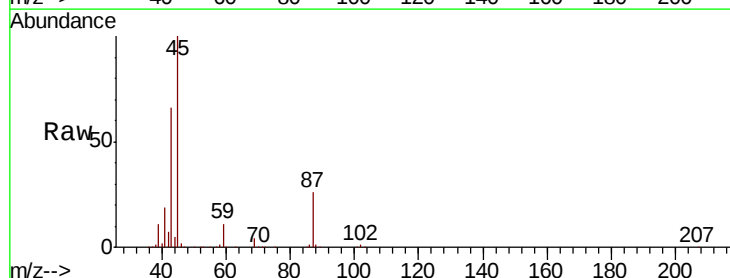
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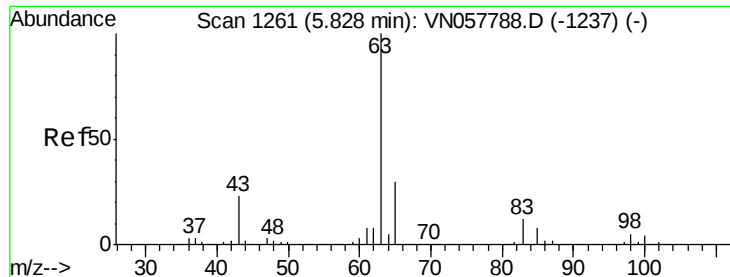
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#20
Diisopropyl ether
Concen: 49.171 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.9	55.2	82.8
87	26.0	21.3	31.9
59	11.0	9.1	13.7





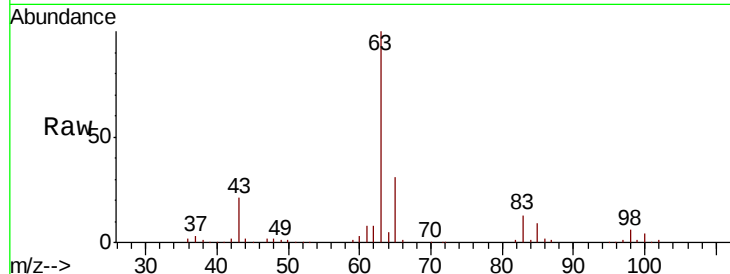
#21
 1,1-Dichloroethane
 Concen: 50.025 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

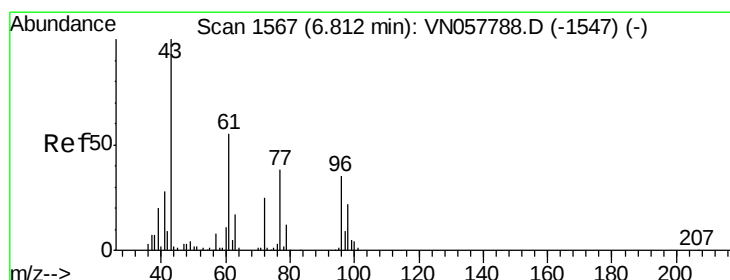
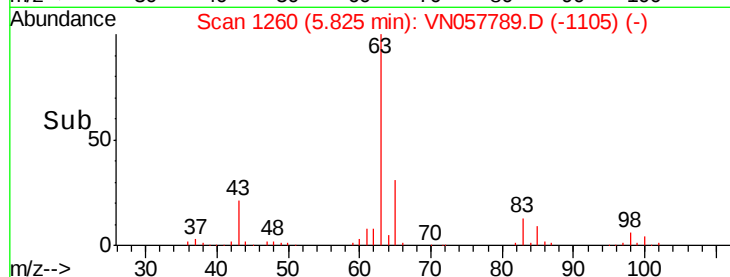
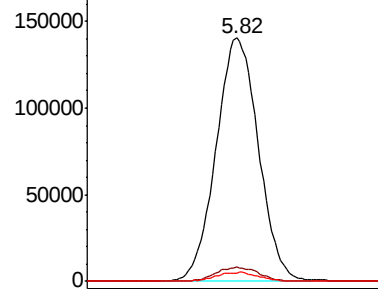
Tgt Ion	Ratio	Resp	Lower	Upper
63	100	445966		
98	5.7	2.8	8.3	
100	3.6	1.8	5.5	

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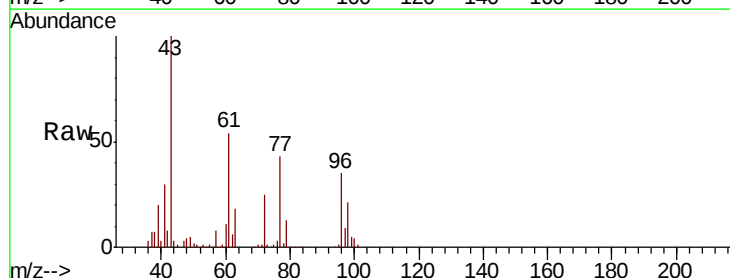


Abundance Ion 63.00 (62.70 to 63.70): VN057788.D (-1237) (-)
 Ion 98.00 (97.70 to 98.70): VN057788.D (-1237) (-)
 Ion 100.00 (99.70 to 100.70): VN057788.D (-1237) (-)

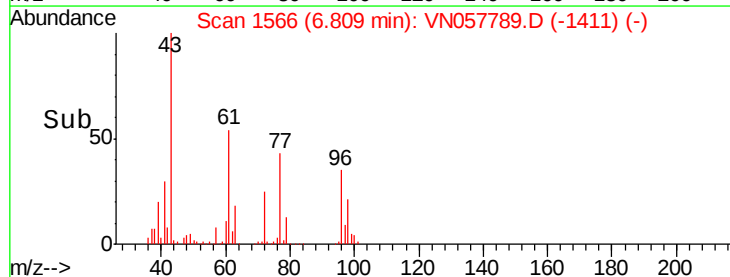
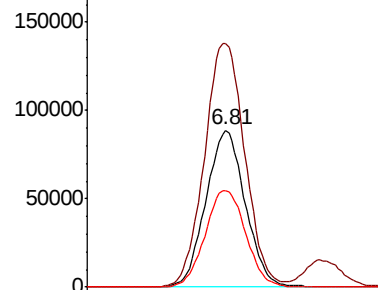


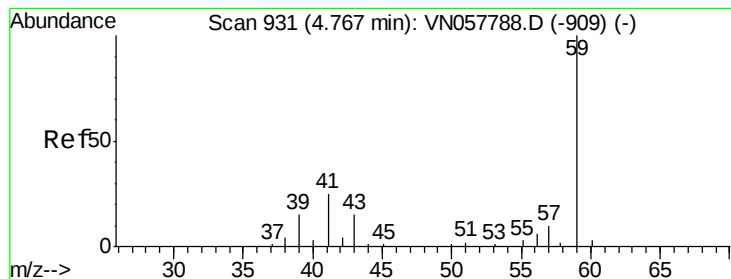
#22
 cis-1,2-Dichloroethene
 Concen: 49.807 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	256700		
61	159.0	127.4	191.0	
98	63.5	51.5	77.3	



Abundance Ion 96.00 (95.70 to 96.70): VN057788.D (-1547) (-)
 Ion 61.00 (60.70 to 61.70): VN057788.D (-1547) (-)
 Ion 98.00 (97.70 to 98.70): VN057788.D (-1547) (-)





#23

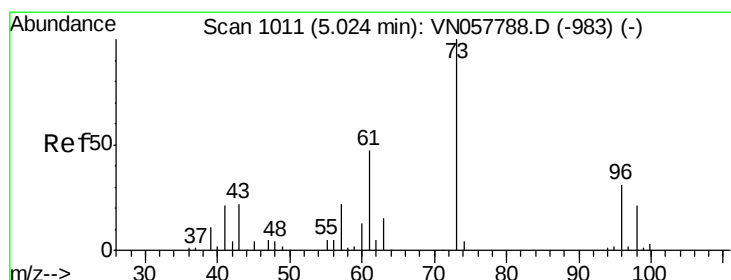
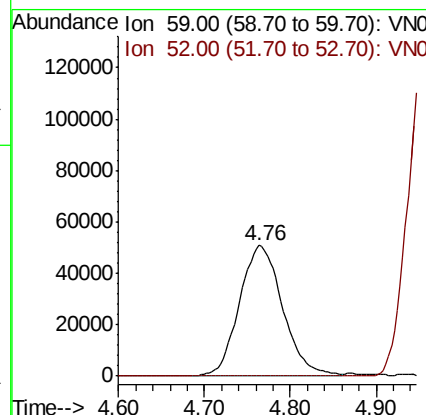
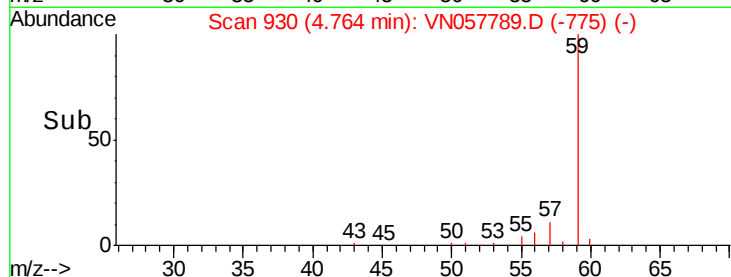
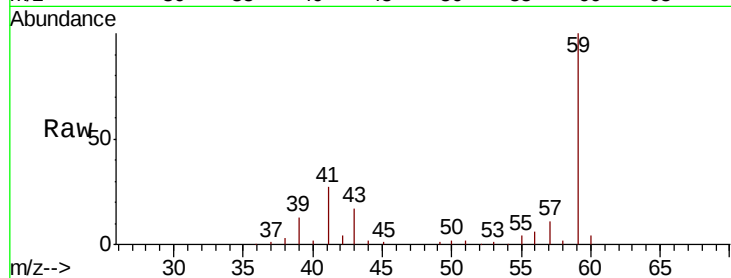
tert-Butyl Alcohol
Concen: 259.295 ug/l
RT: 4.76 min Scan# 930
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 59 Resp: 178730
Ion Ratio Lower Upper
59 100
52 0.1 0.0 0.0#

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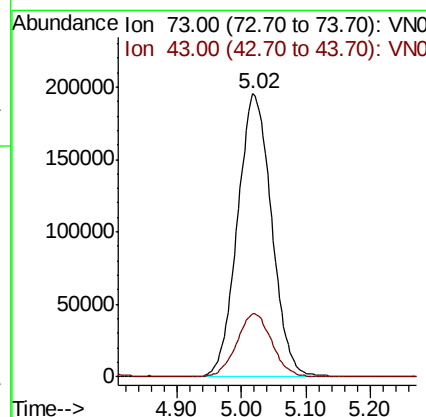
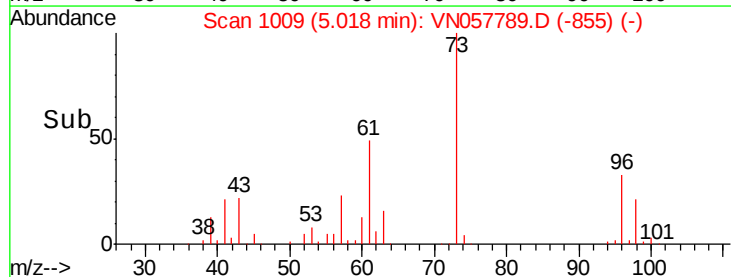
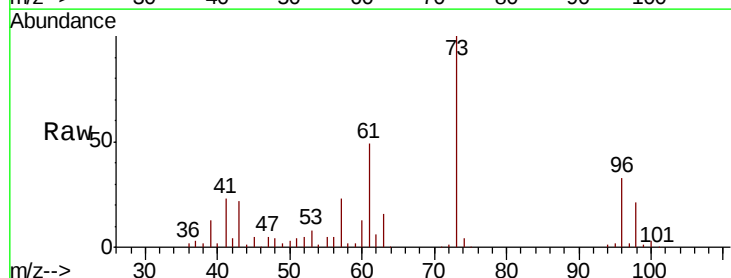
MMDadoda
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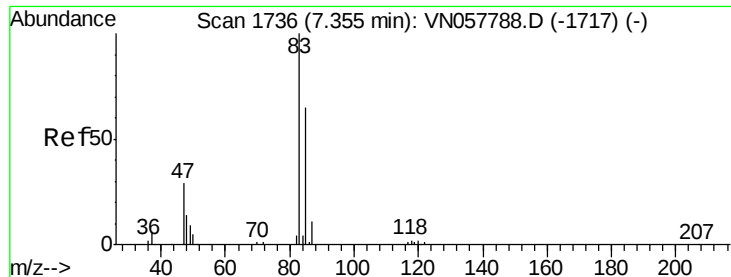


#24

Methyl tert-Butyl Ether
Concen: 49.685 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 73 Resp: 718644
Ion Ratio Lower Upper
73 100
43 22.6 0.0 0.0#





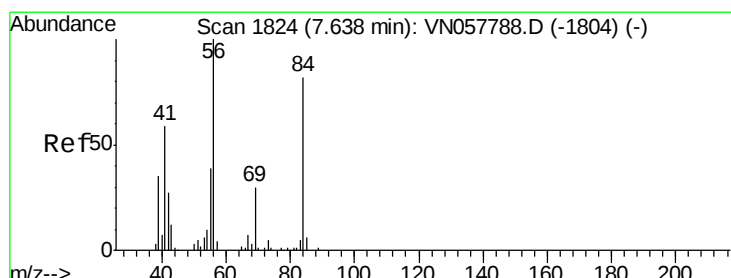
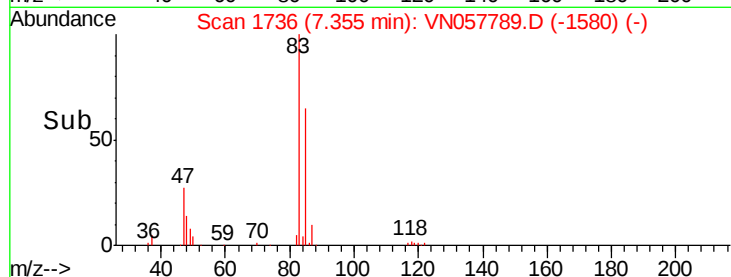
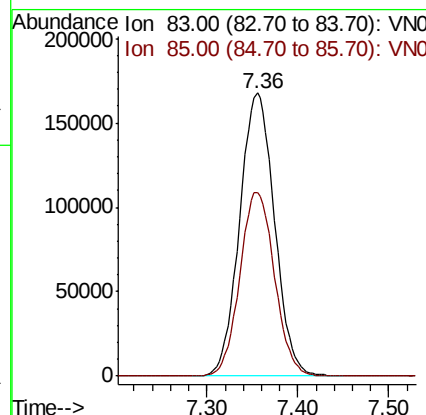
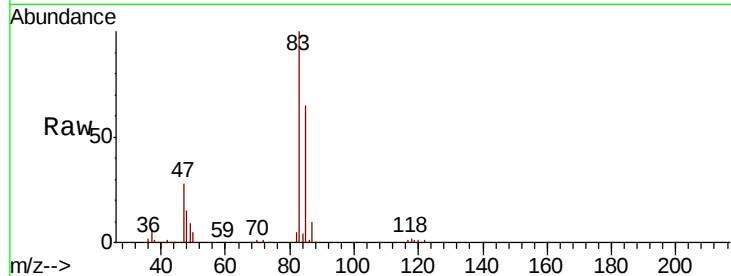
#25
Chloroform
Concen: 49.145 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 83 Resp: 446043
Ion Ratio Lower Upper
83 100
85 64.9 51.8 77.6

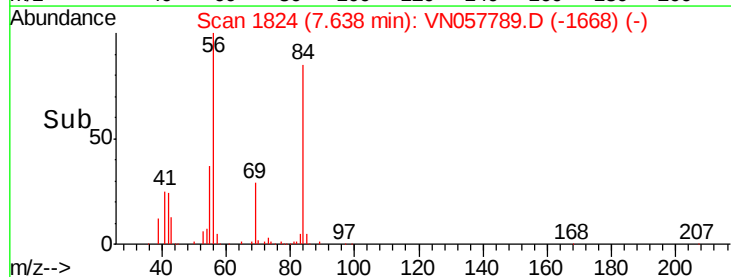
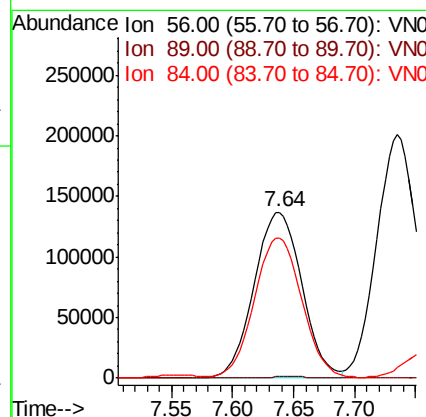
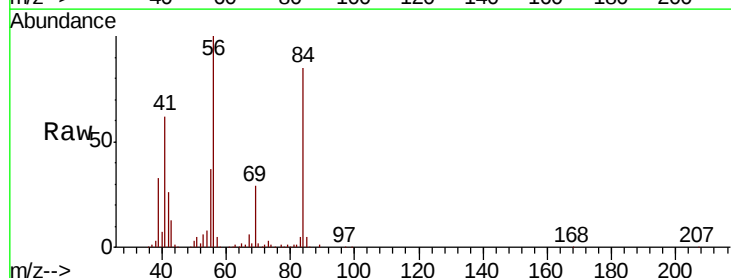
Manual Integrations
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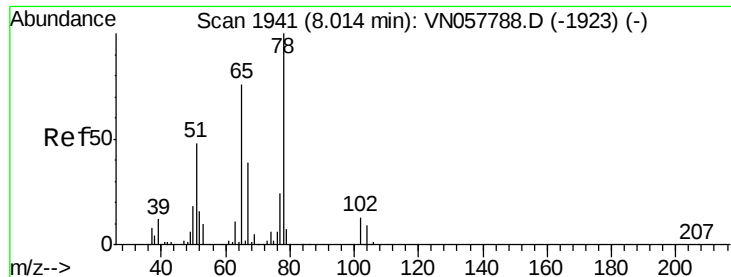
MMDadoda
9/13/2019 11:04:37 AM



#26
Cyclohexane
Concen: 49.791 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 56 Resp: 372954
Ion Ratio Lower Upper
56 100
89 0.5 0.3 0.5#
84 84.1 66.6 100.0





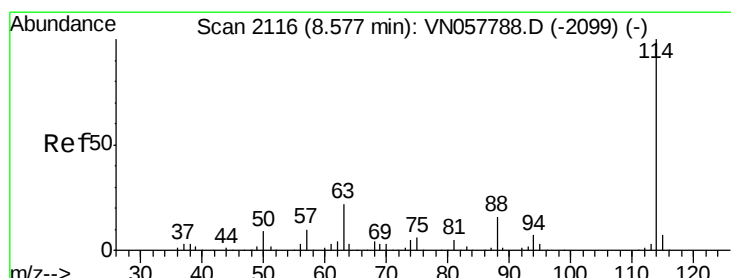
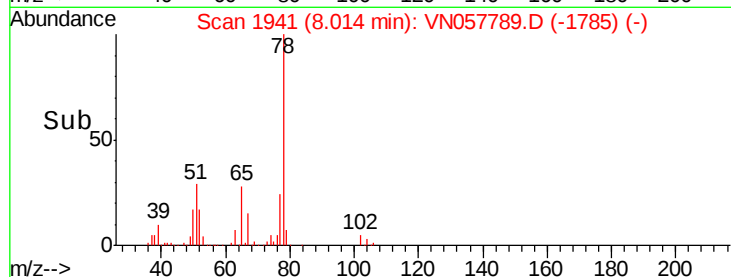
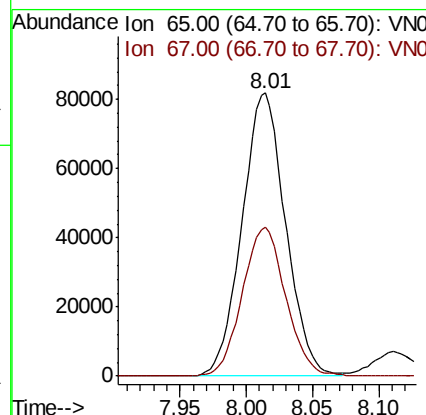
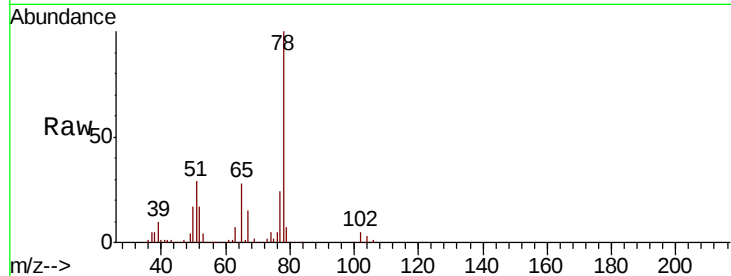
#27
 1,2-Dichloroethane-d4
 Concen: 29.578 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 65 Resp: 186746
 Ion Ratio Lower Upper
 65 100
 67 52.6 40.9 61.3

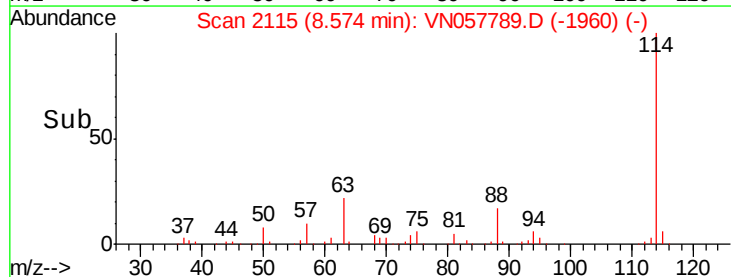
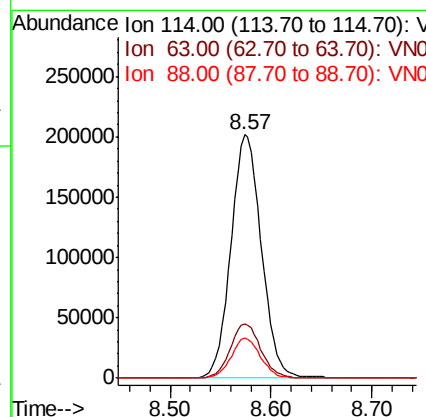
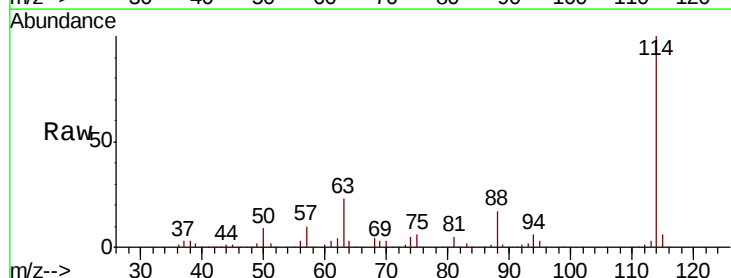
Manual Integrations
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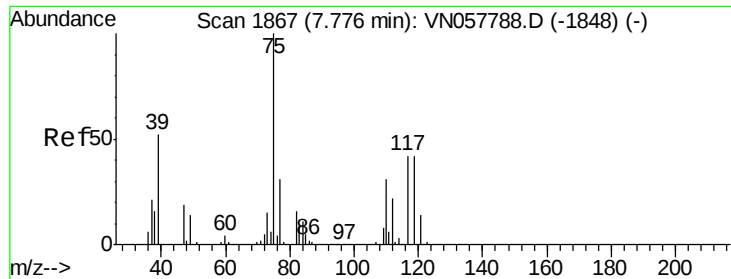
MMDadoda
 9/13/2019 11:04:37 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion: 114 Resp: 424752
 Ion Ratio Lower Upper
 114 100
 63 22.3 18.0 27.0
 88 15.9 12.6 19.0





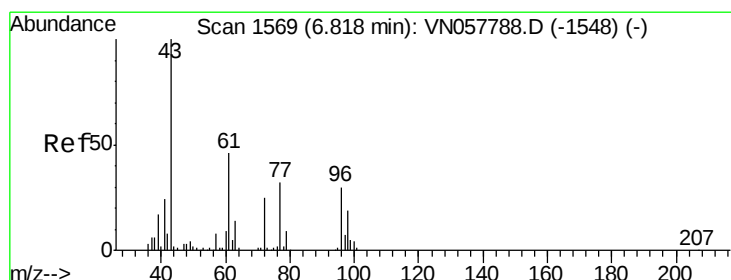
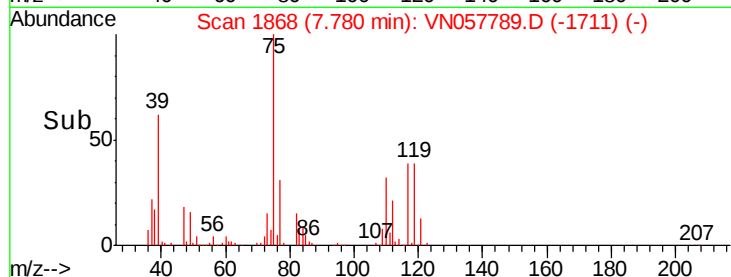
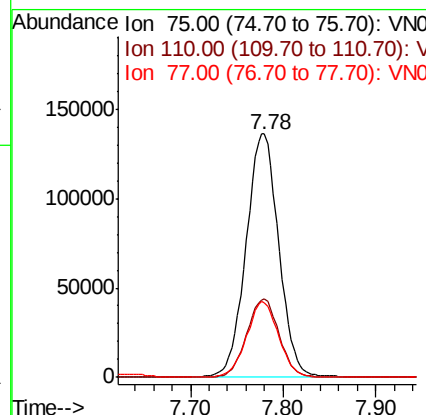
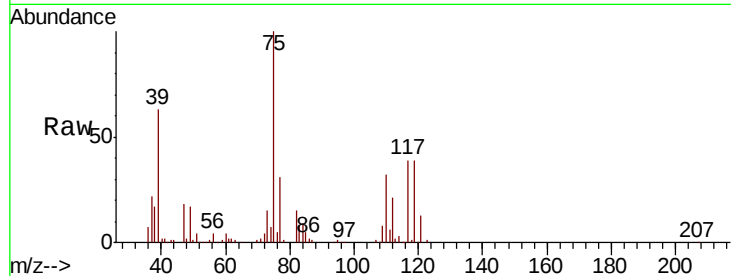
#29
 1,1-Dichloropropene
 Concen: 49.893 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	31.7	0.0	63.8
77	30.7	0.0	60.0

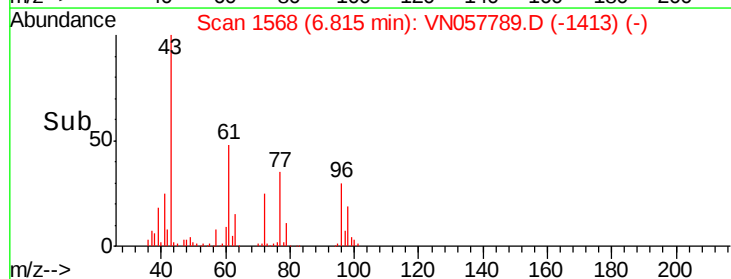
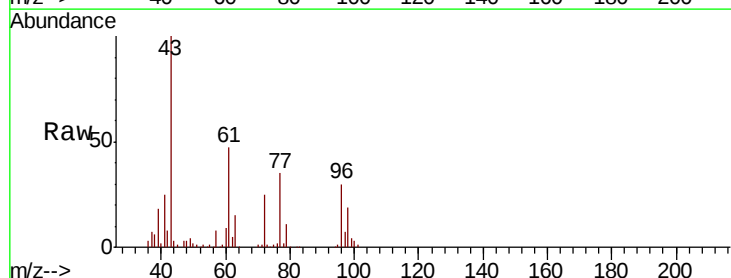
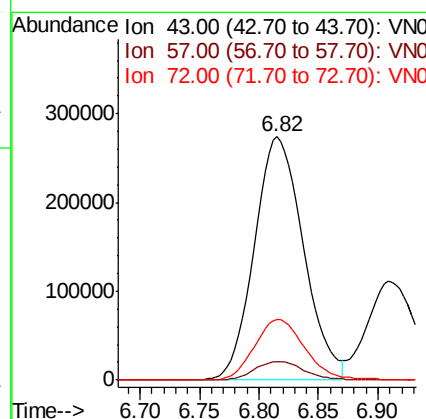
Manual Integrations
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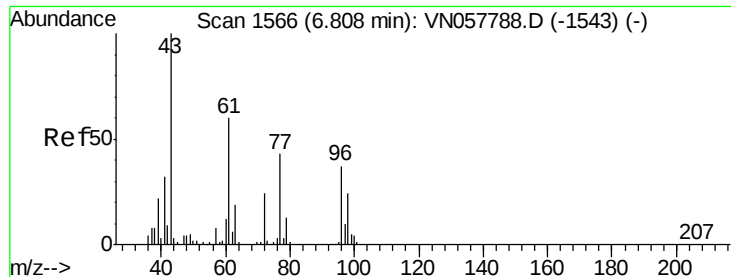
MMDadoda
 9/13/2019 11:04:37 AM



#30
 2-Butanone
 Concen: 259.404 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	7.9	6.4	9.6
72	25.5	20.3	30.5





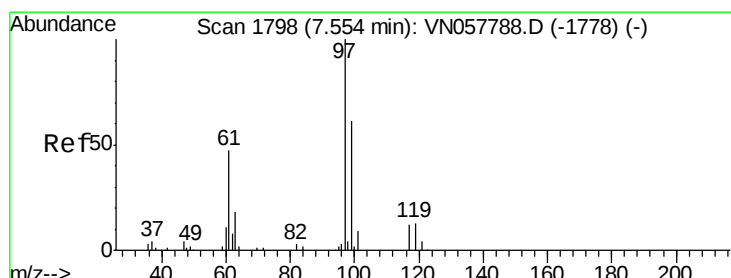
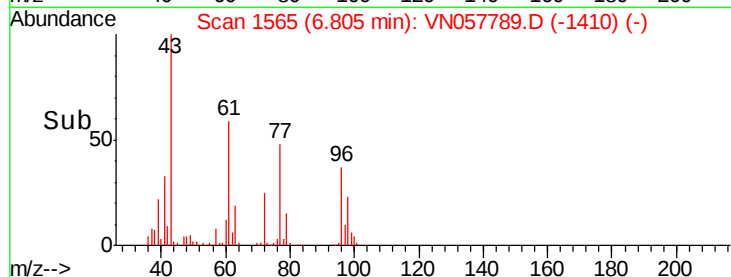
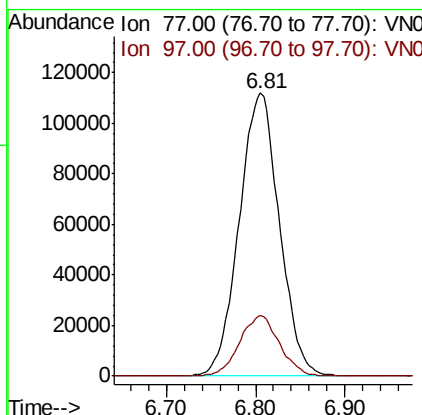
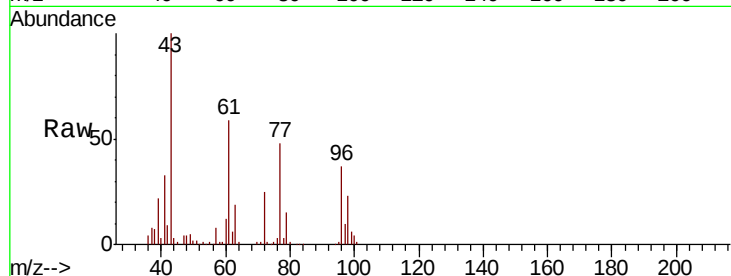
#31
 2,2-Dichloropropane
 Concen: 49.781 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 77 Resp: 351189
 Ion Ratio Lower Upper
 77 100
 97 21.2 17.7 26.5

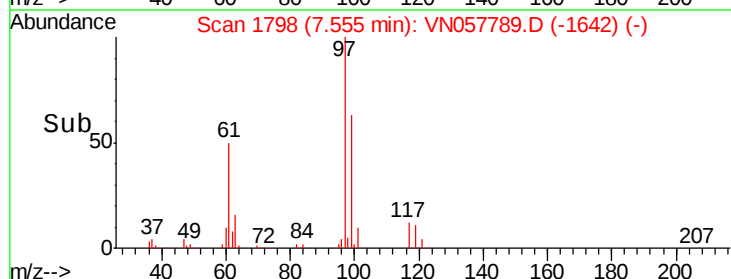
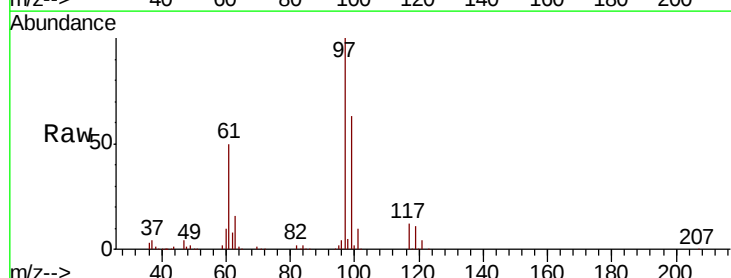
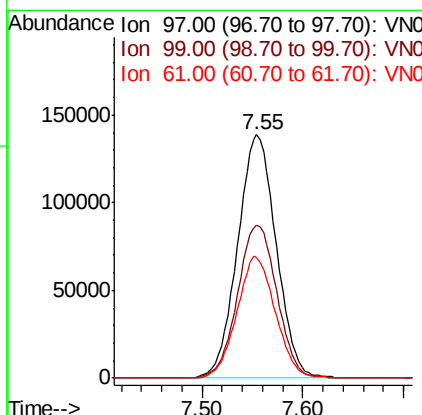
Manual Integrations
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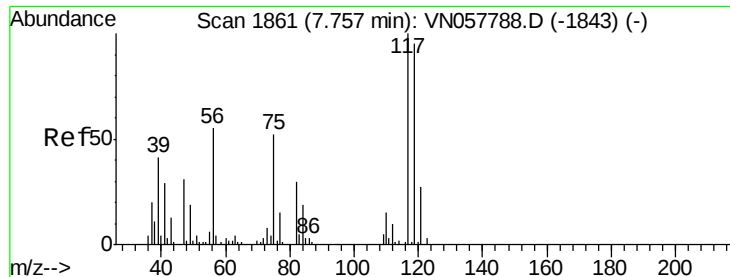
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#32
 1,1,1-Trichloroethane
 Concen: 49.022 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion: 97 Resp: 368288
 Ion Ratio Lower Upper
 97 100
 99 64.1 49.8 74.8
 61 49.7 38.7 58.1





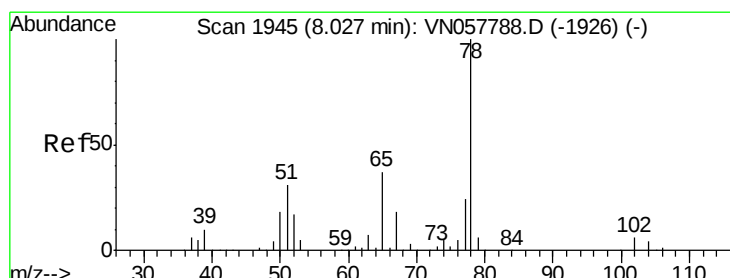
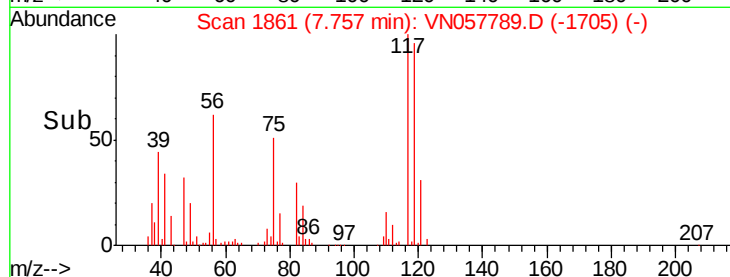
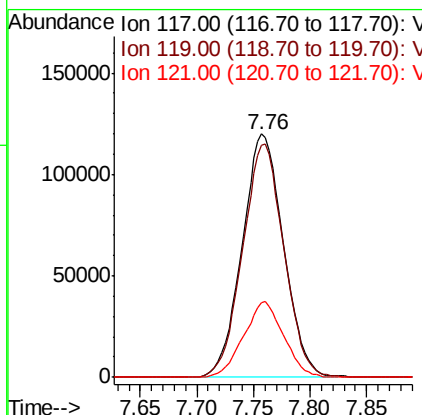
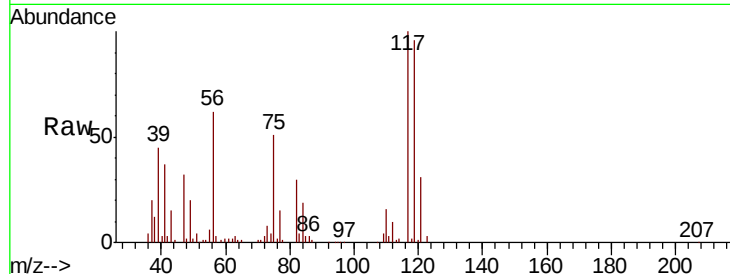
#33
Carbon Tetrachloride
Concen: 49.632 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	75.7	113.5
121	30.7	21.7	32.5

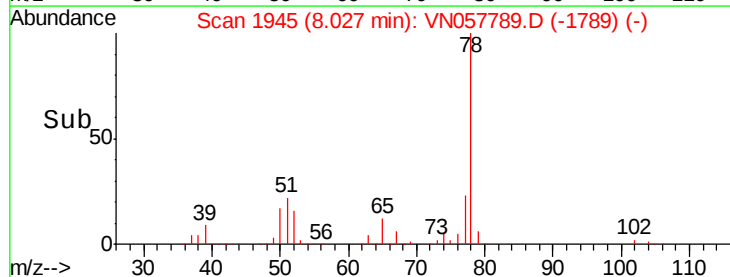
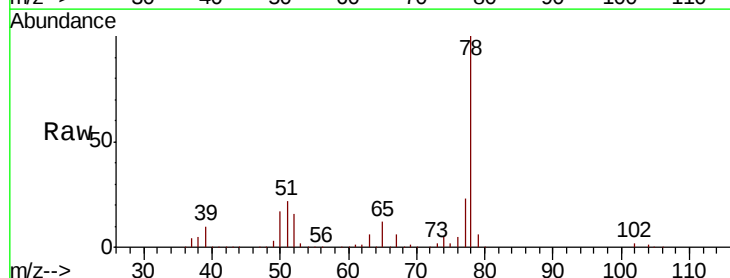
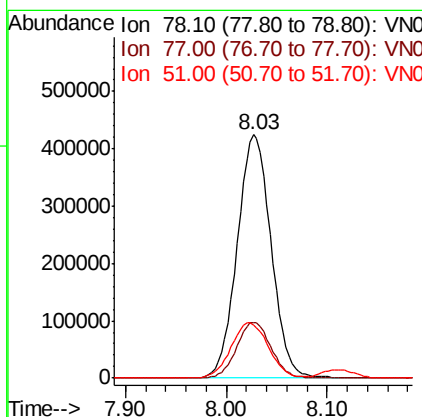
Manual Integrations
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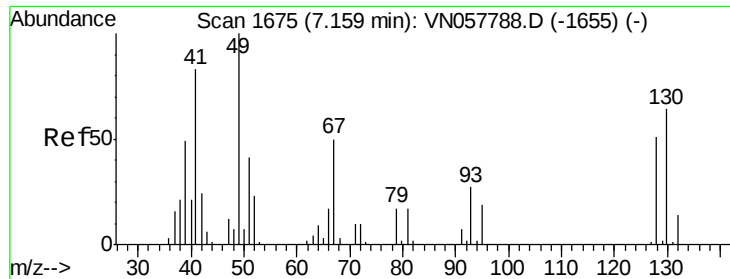
MMDadoda
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#34
Benzene
Concen: 49.908 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.2	28.8
51	21.8	24.9	37.3#





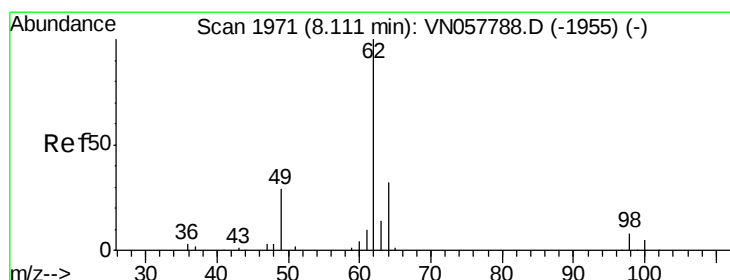
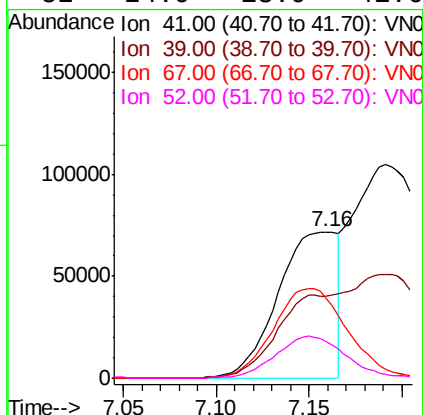
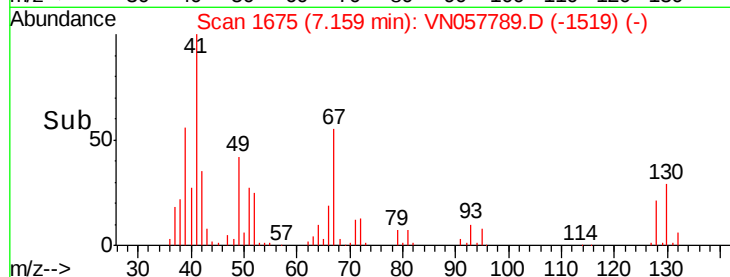
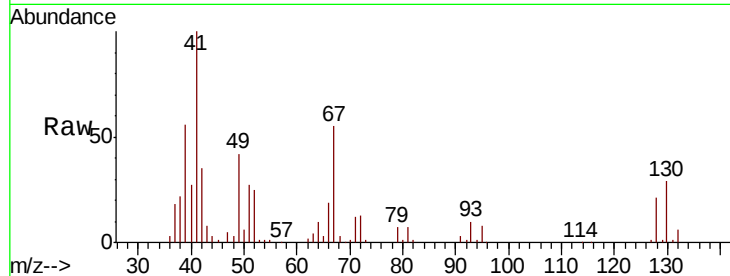
#35
Methacrylonitrile
Concen: 58.482 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.7	29.8	89.5
67	55.4	30.0	90.1
52	24.9	13.9	41.6

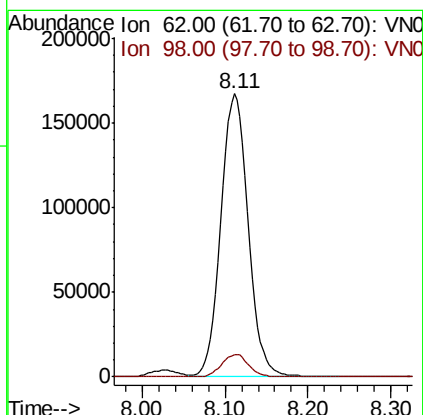
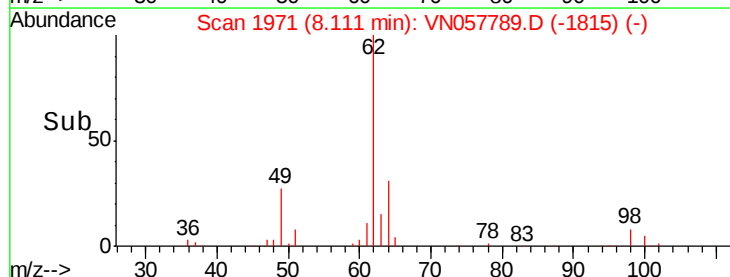
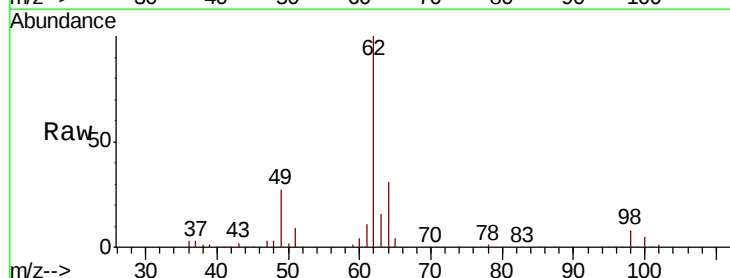
Manual Integrations
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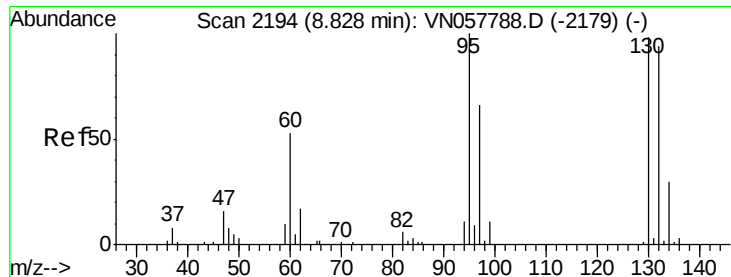
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#36
1,2-Dichloroethane
Concen: 49.895 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.6	9.8





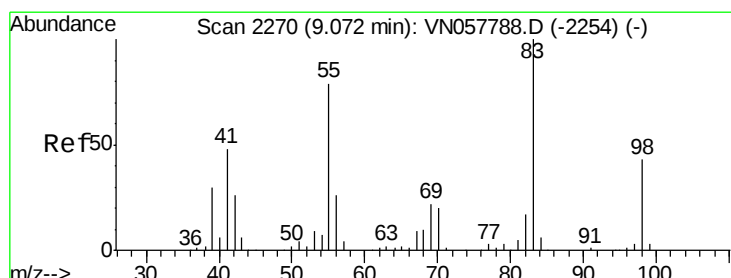
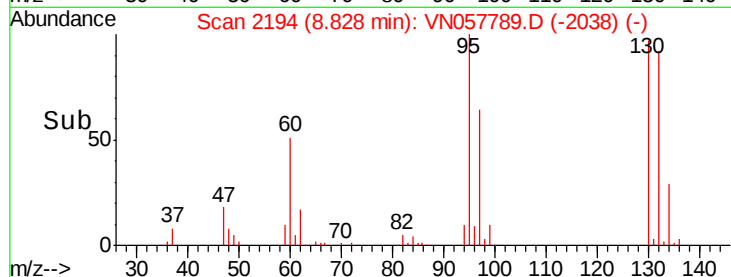
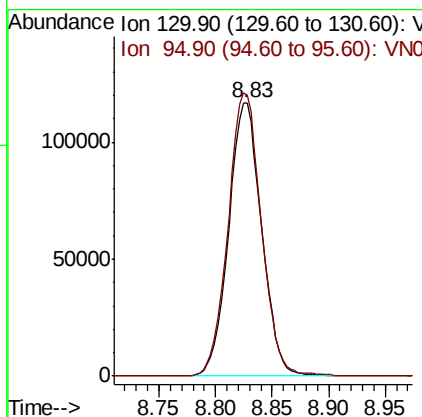
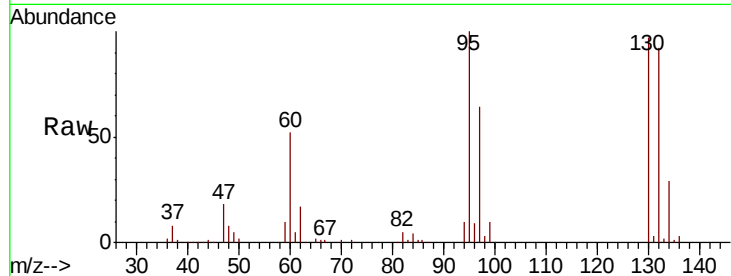
#37
 Trichloroethene
 Concen: 49.258 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion: 130 Resp: 236872
 Ion Ratio Lower Upper
 130 100
 95 102.5 81.9 122.9

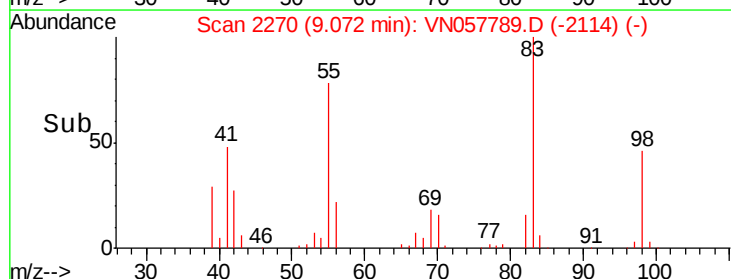
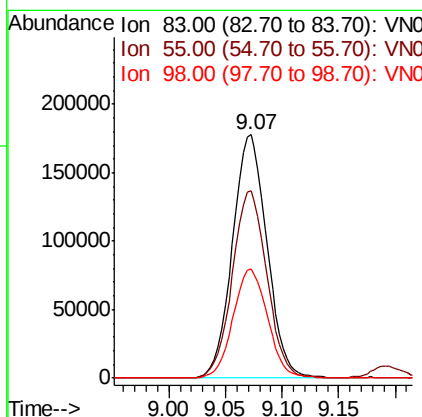
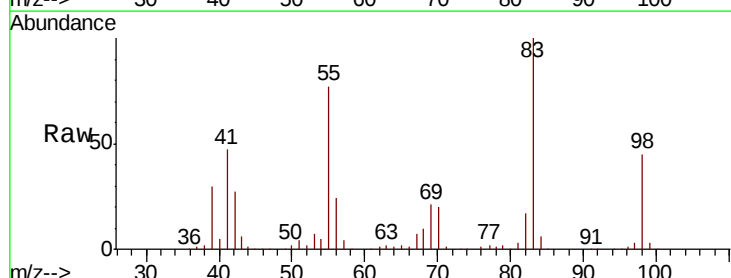
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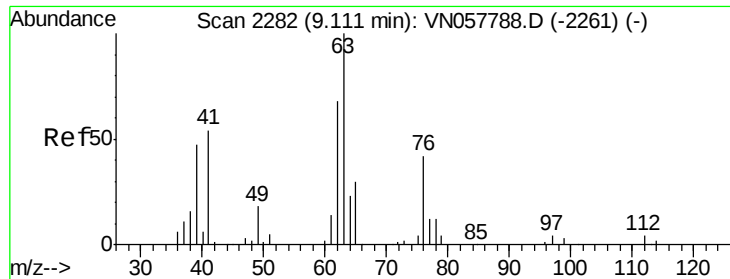
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#38
 Methylcyclohexane
 Concen: 49.767 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion: 83 Resp: 378657
 Ion Ratio Lower Upper
 83 100
 55 77.2 39.6 118.7
 98 44.8 21.8 65.4





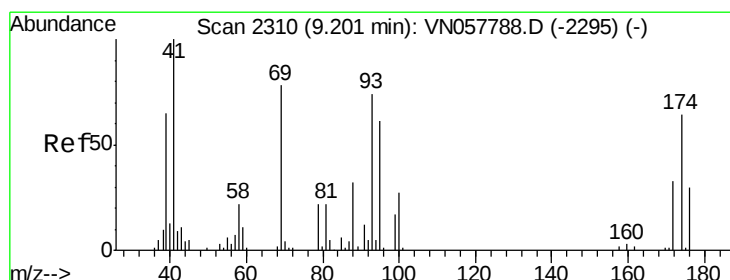
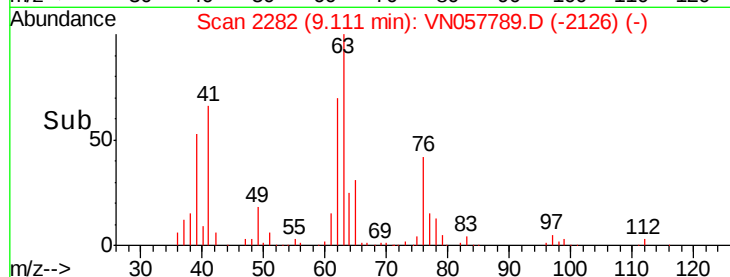
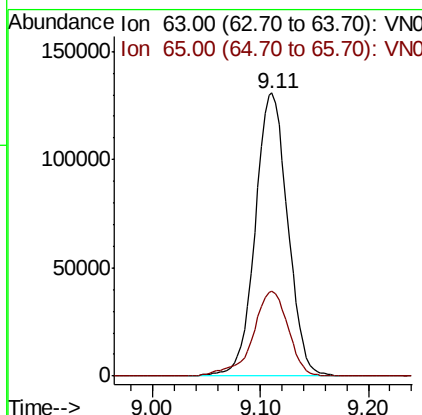
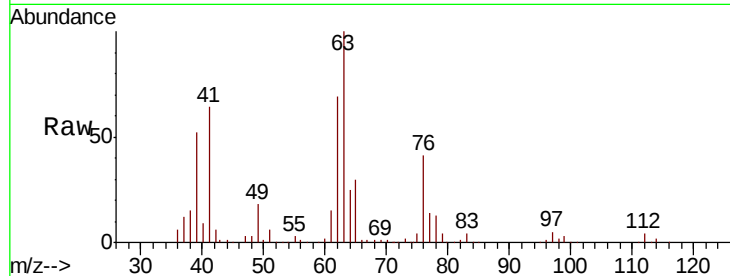
#39
 1,2-Dichloropropane
 Concen: 49.131 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC050

Tgt Ion: 63 Resp: 273178
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.6 35.4

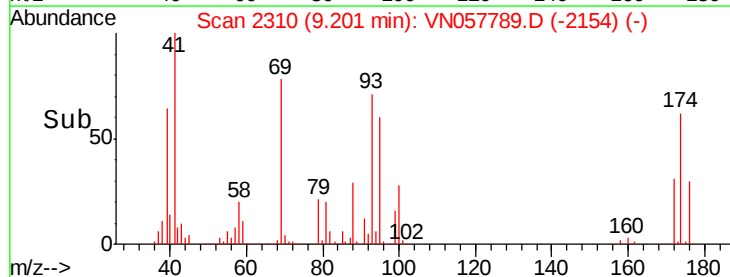
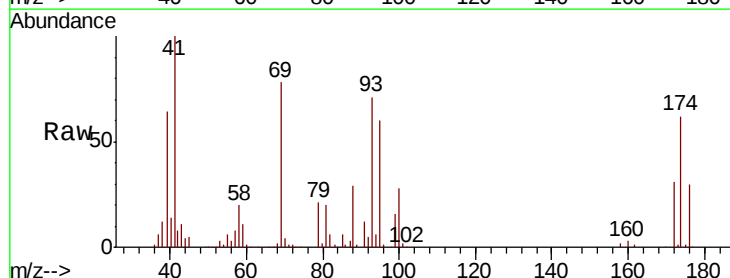
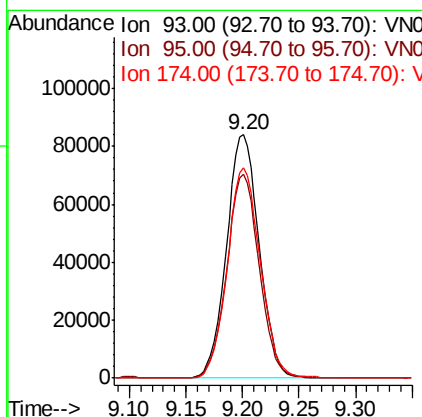
Manual Integrations
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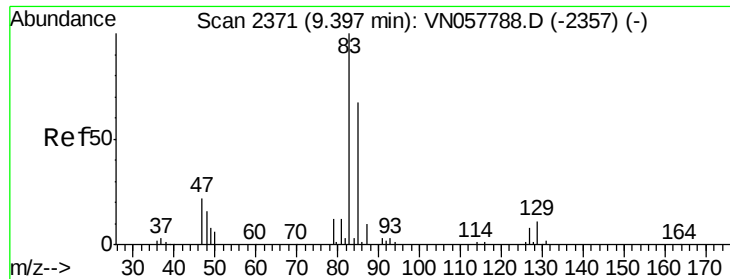
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#40
 Dibromomethane
 Concen: 50.032 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion: 93 Resp: 169197
 Ion Ratio Lower Upper
 93 100
 95 83.1 0.0 163.0
 174 87.0 0.0 171.4





#41

Bromodichloromethane

Concen: 50.171 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 83 Resp: 342066
Ion Ratio Lower Upper

83 100

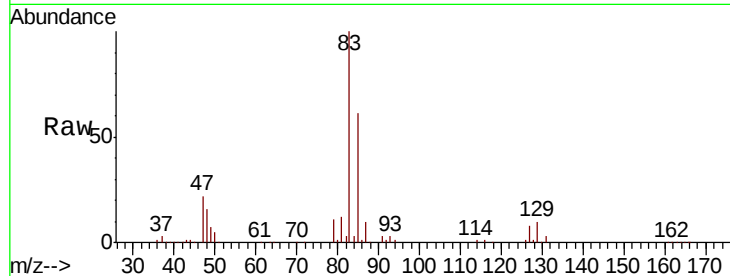
85 60.9 53.4 80.0

127 8.0 6.6 10.0

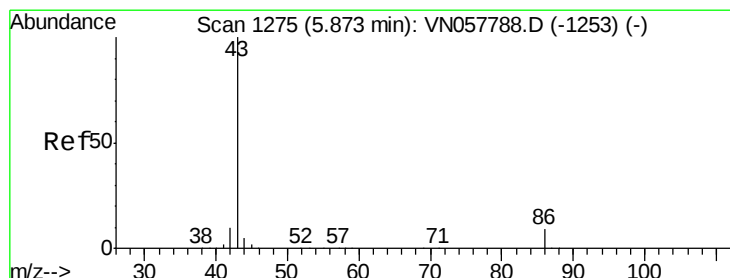
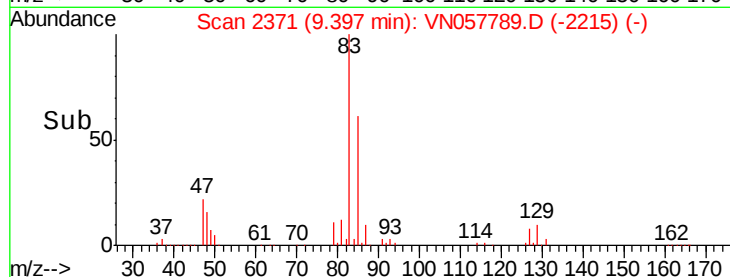
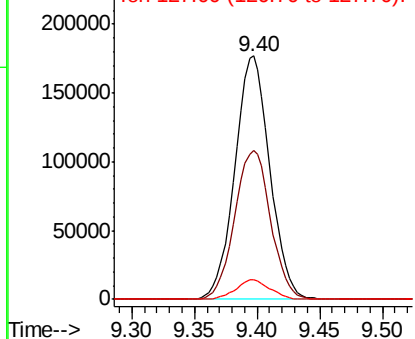
Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0



#42

Vinyl Acetate

Concen: 272.788 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

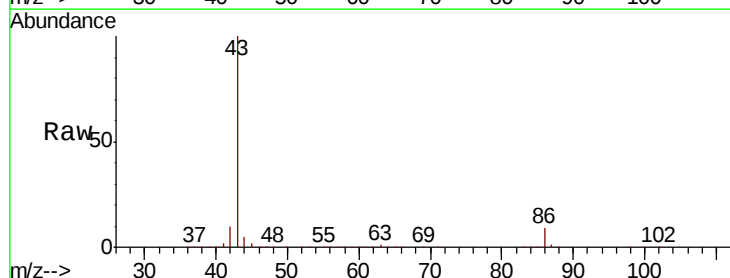
Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

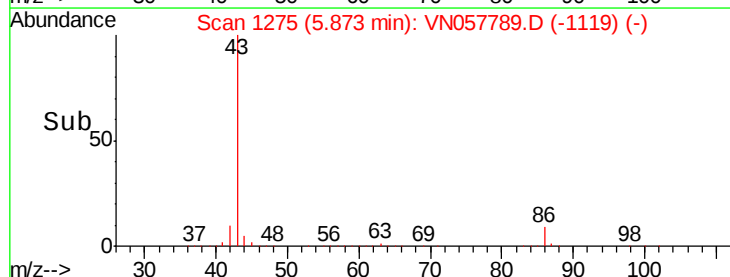
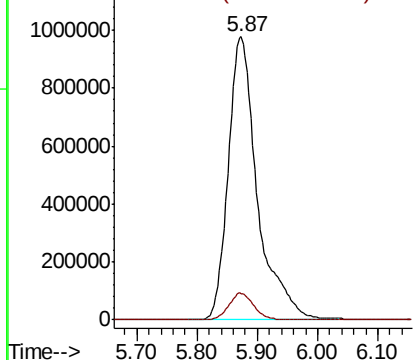
Tgt Ion: 43 Resp: 3305029
Ion Ratio Lower Upper

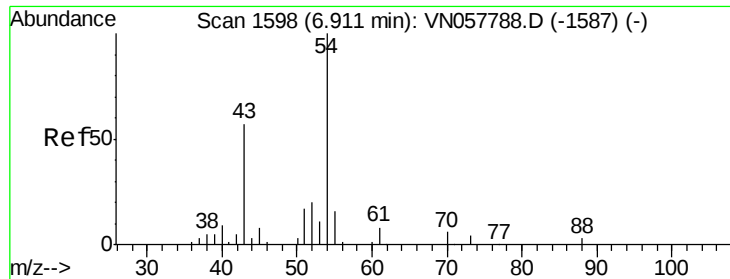
43 100

86 8.2 6.3 9.5



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





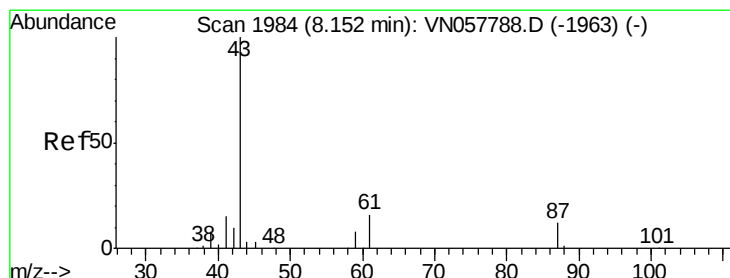
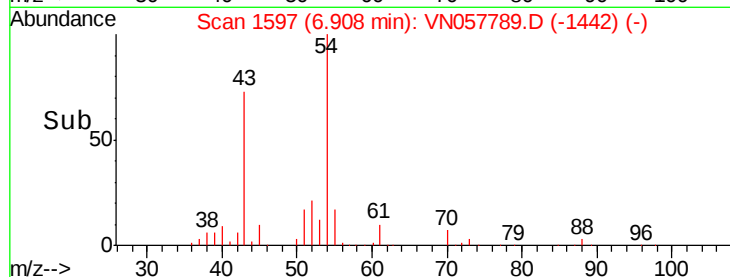
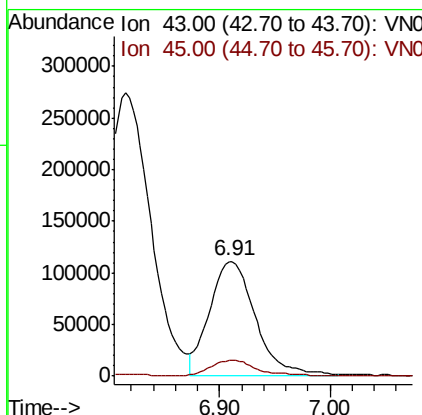
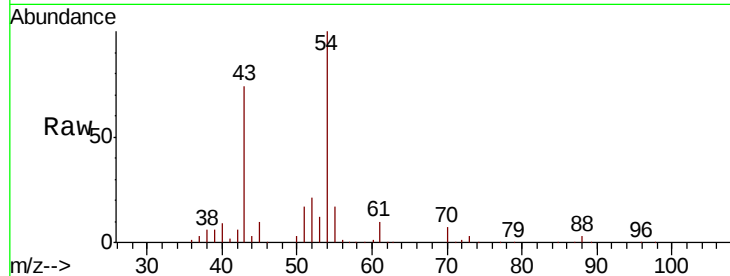
#43
Ethyl Acetate
Concen: 52.225 ug/l m
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 43 Resp: 324567
Ion Ratio Lower Upper
43 100
45 1.8 5.4 8.0#

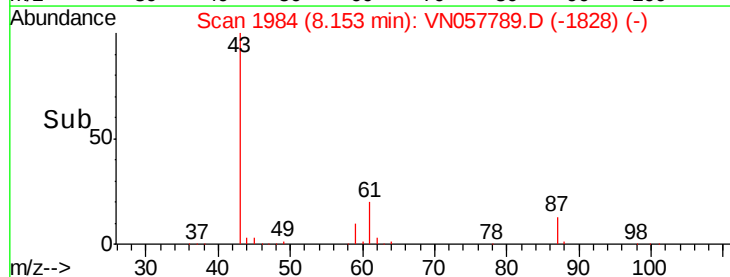
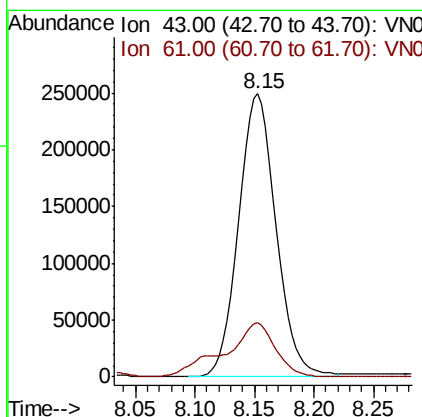
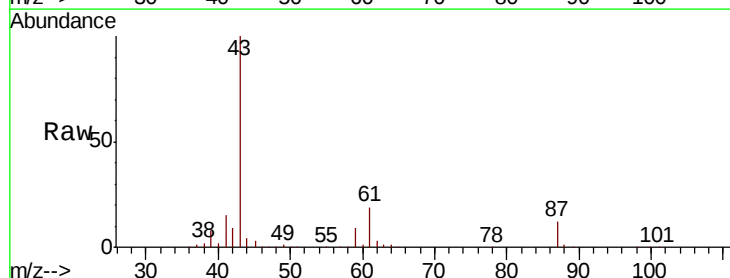
Manual Integrations
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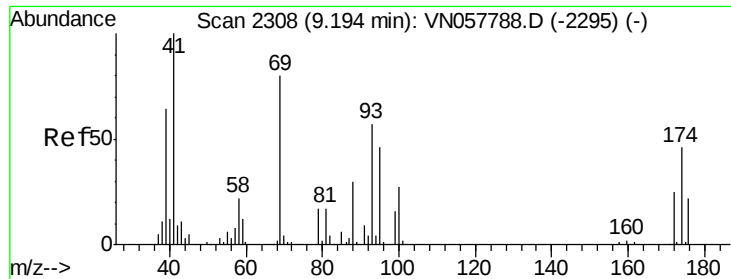
MMDadoda
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#44
Isopropyl Acetate
Concen: 50.344 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 43 Resp: 541766
Ion Ratio Lower Upper
43 100
61 18.1 0.1 0.1#





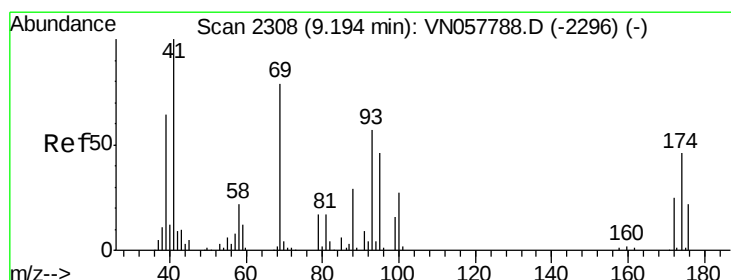
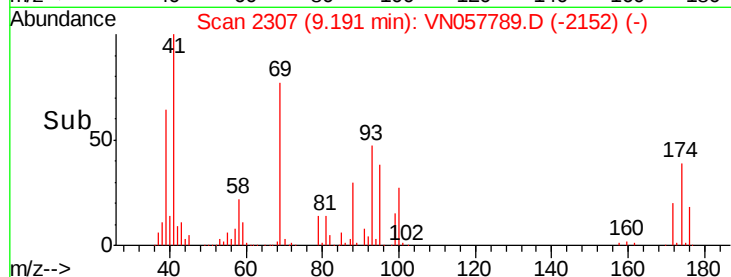
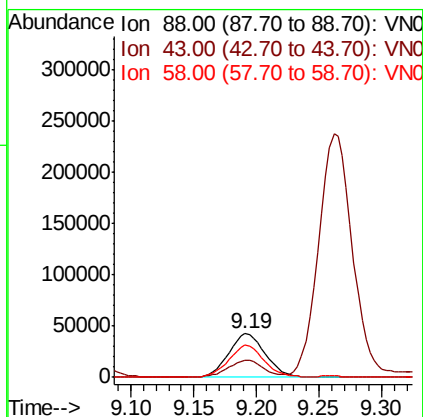
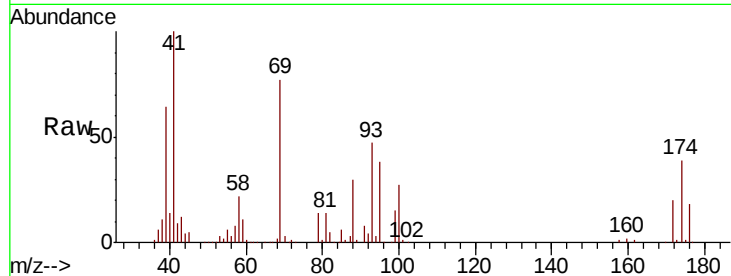
#45
 1,4-Dioxane
 Concen: 1033.241 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	87017		
43	35.4	28.2	42.4	
58	70.2	58.5	87.7	

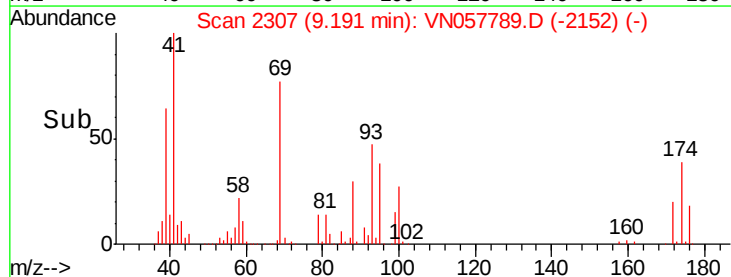
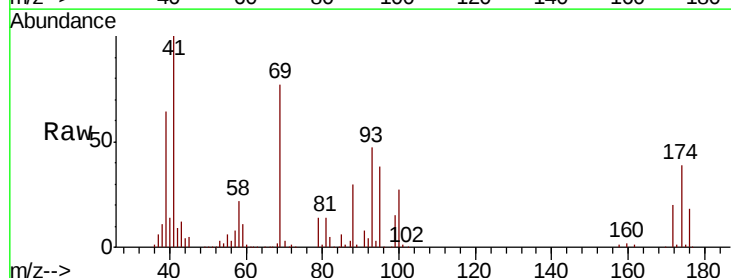
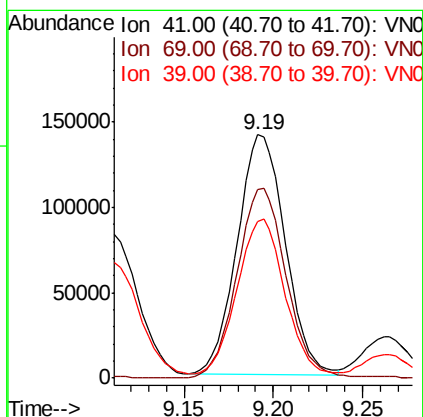
Manual Integrations
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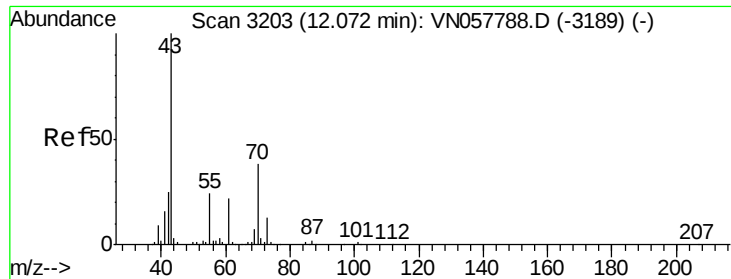
MMDadoda
 9/13/2019 11:04:37 AM



#46
 Methyl methacrylate
 Concen: 50.450 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	264126		
69	78.3	39.6	119.0	
39	63.7	31.9	95.7	





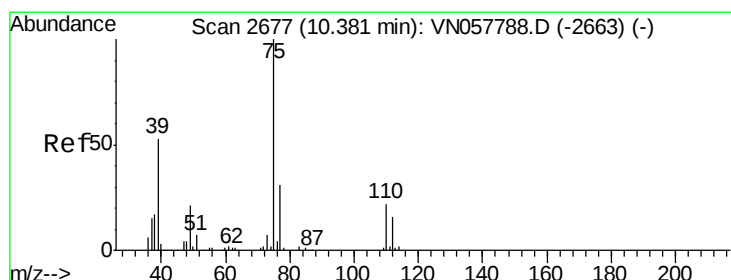
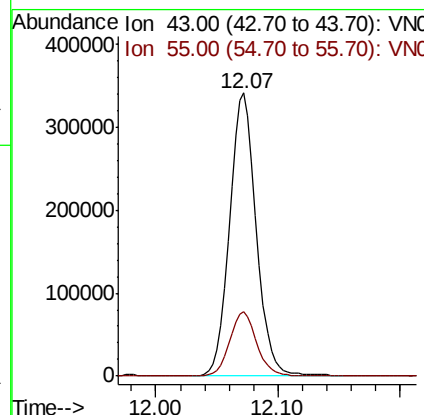
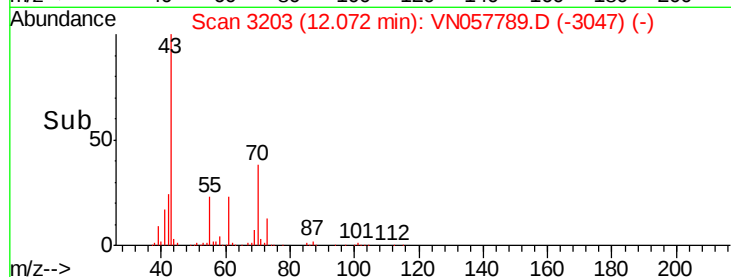
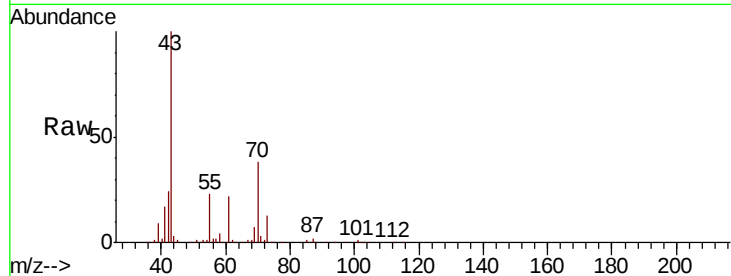
#47
n-amy1 Acetate
Concen: 52.994 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 43 Resp: 521459
Ion Ratio Lower Upper
43 100
55 23.1 18.3 27.5

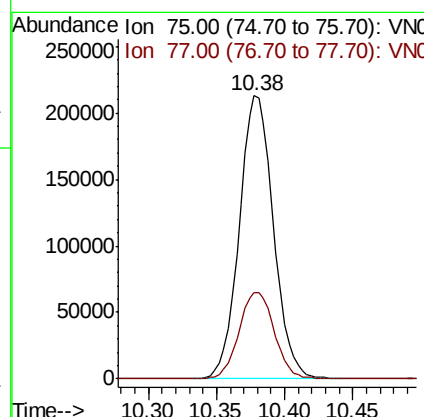
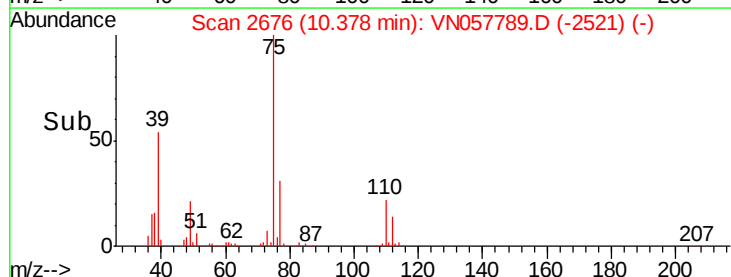
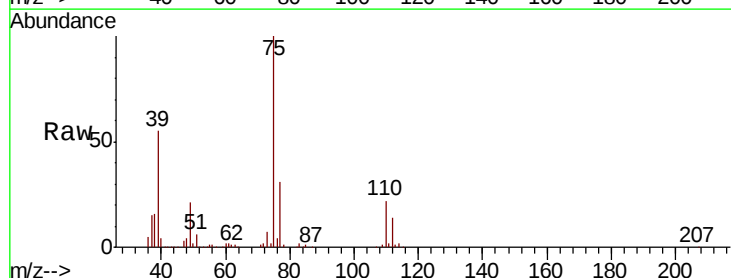
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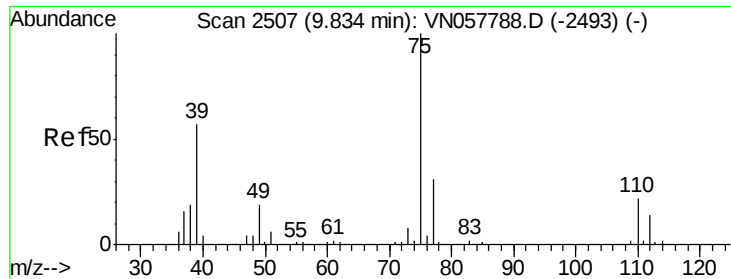
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 51.026 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 75 Resp: 370371
Ion Ratio Lower Upper
75 100
77 30.6 24.9 37.3





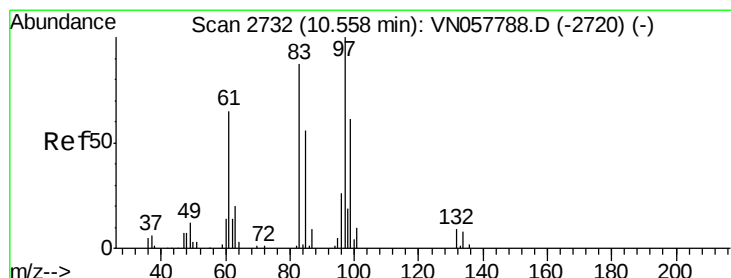
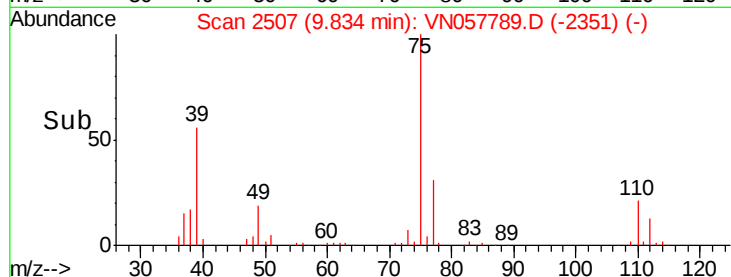
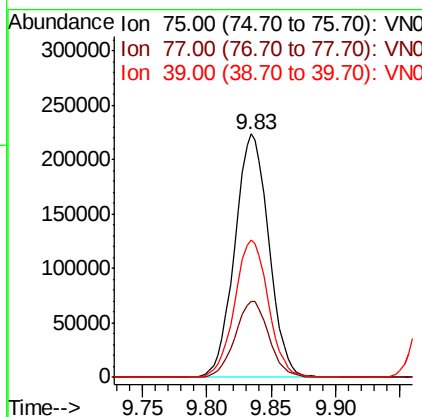
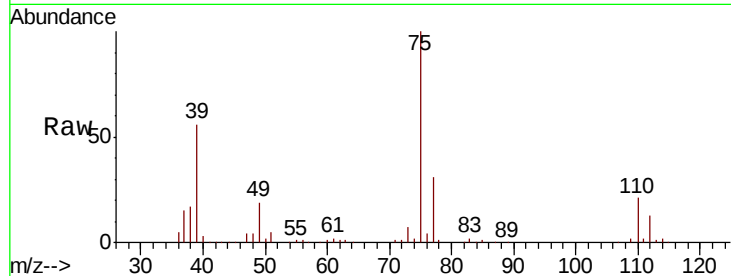
#49
 cis-1,3-Dichloropropene
 Concen: 50.360 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.6	36.8
39	56.1	45.8	68.8

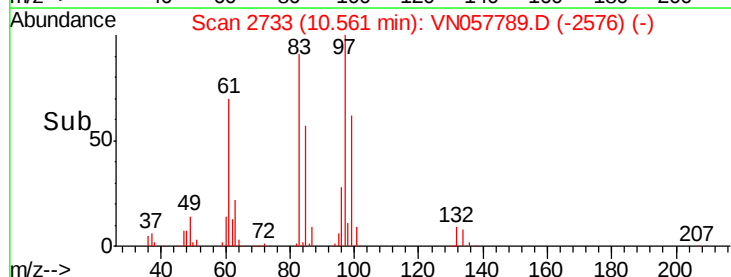
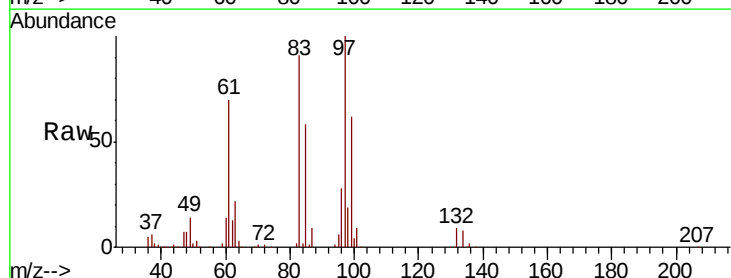
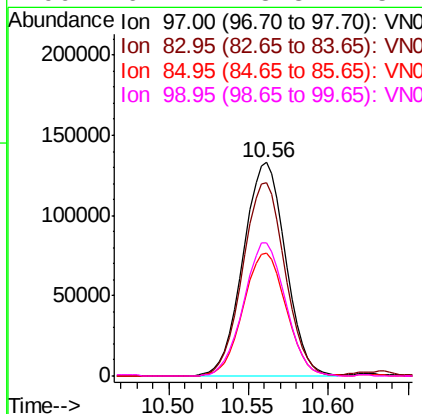
Manual Integrations
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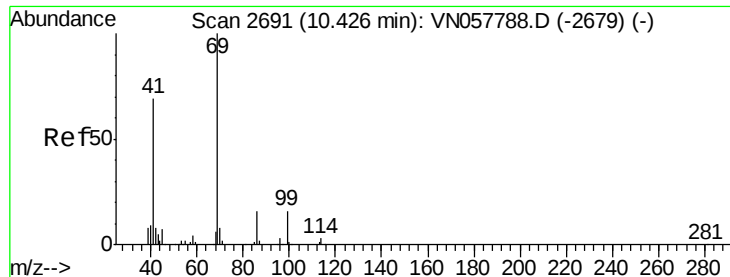
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 49.308 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.7	69.4	104.2
85	57.8	45.0	67.6
99	62.4	48.8	73.2





#51

Ethyl methacrylate

Concen: 51.383 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

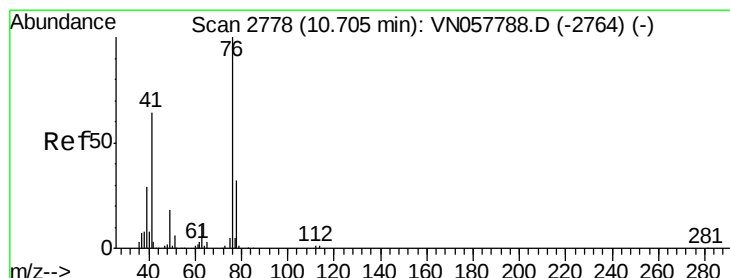
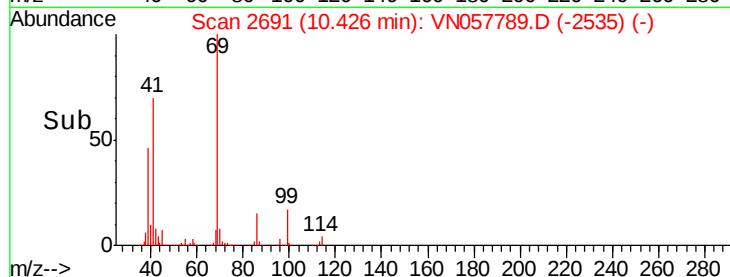
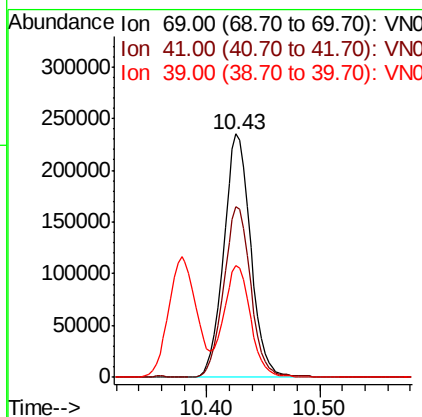
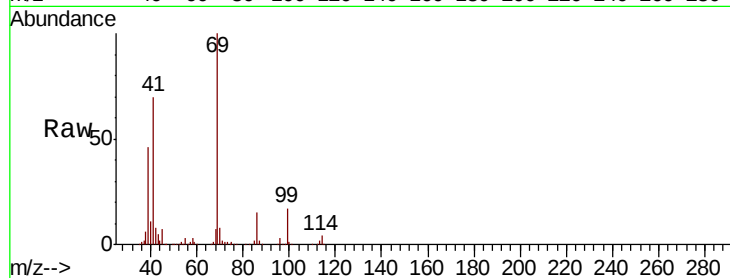
ClientSampled :

VSTDIC050

Tgt Ion:	69	Resp:	390819
Ion Ratio	Lower	Upper	
69	100		
41	69.7	34.5	103.5
39	45.8	22.4	67.3

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 50.133 ug/l

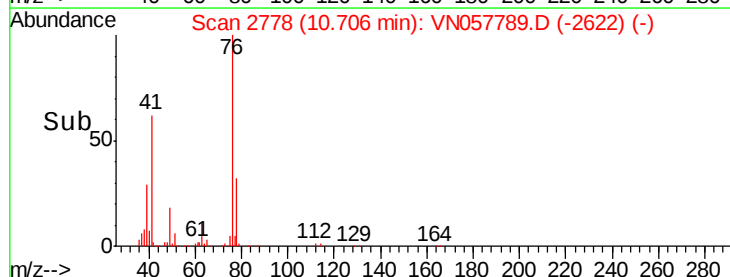
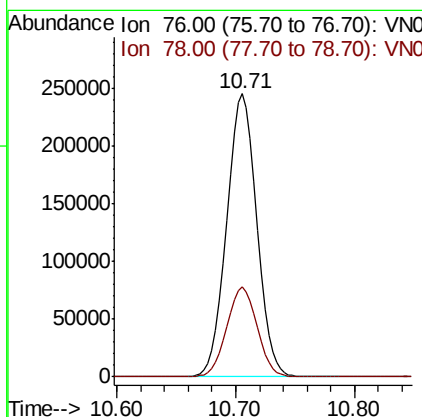
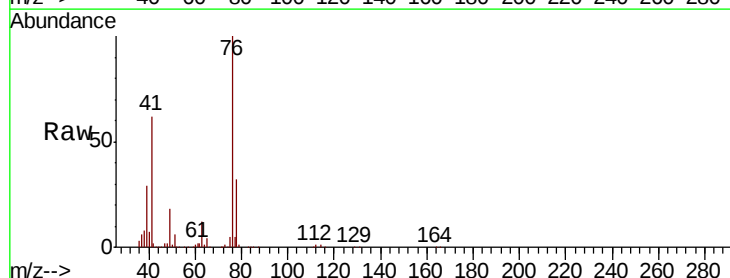
RT: 10.71 min Scan# 2778

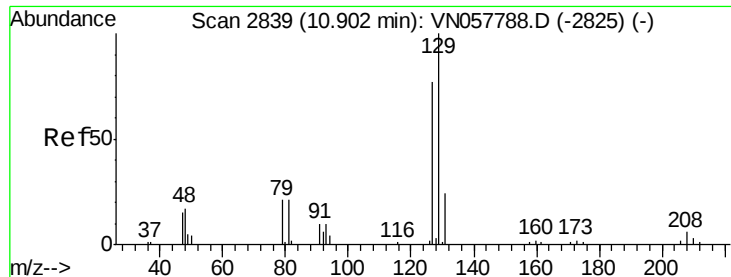
Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Tgt Ion:	76	Resp:	430065
Ion Ratio	Lower	Upper	
76	100		
78	32.2	0.0	63.8





#53

Dibromochloromethane

Concen: 50.369 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion:129 Resp: 244010

Ion Ratio Lower Upper

129 100

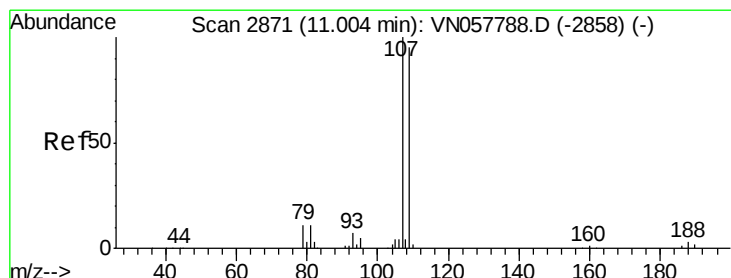
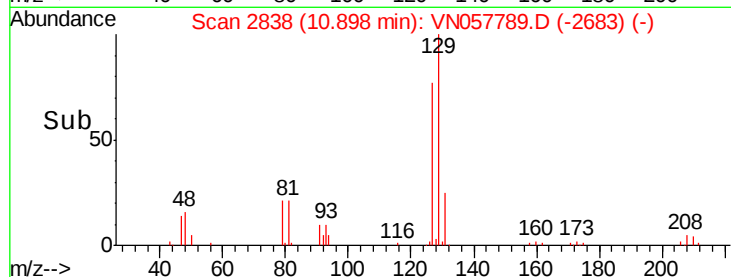
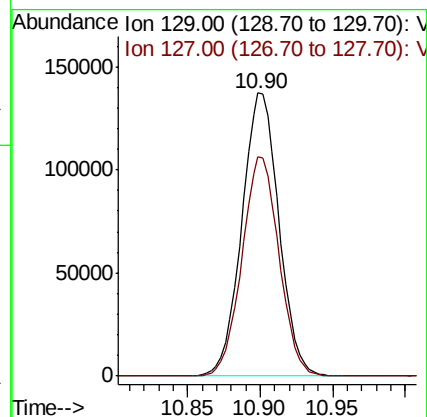
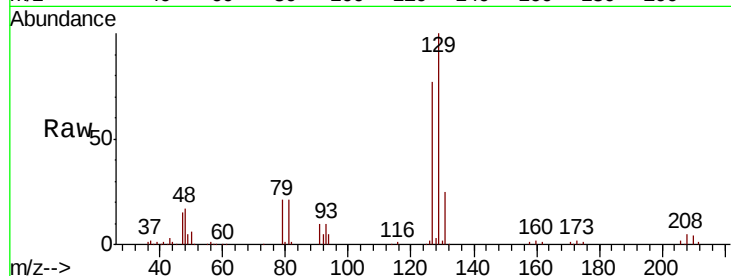
127 77.3 38.8 116.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 50.193 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057789.D

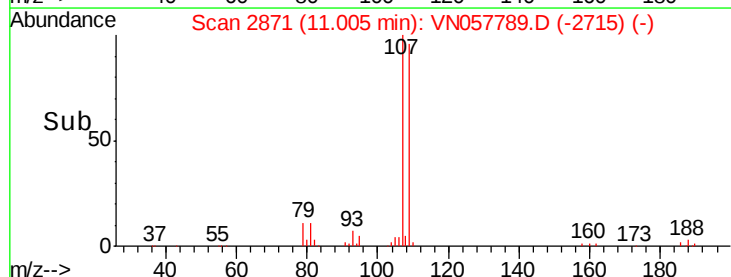
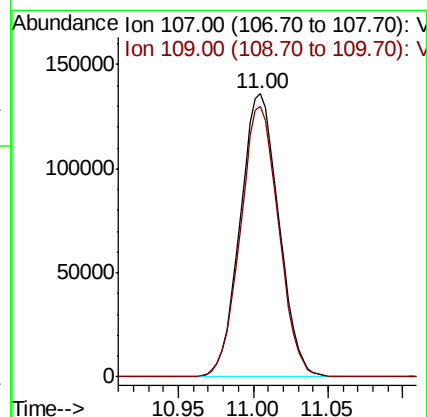
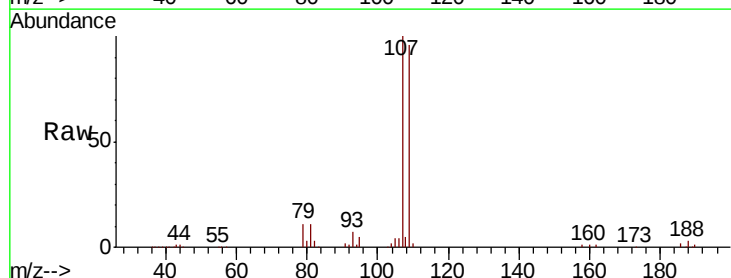
Acq: 9 Sep 2019 9:56

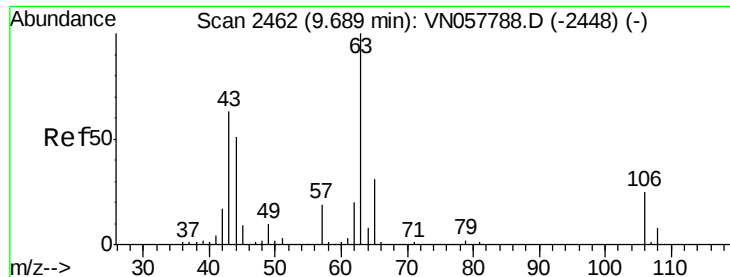
Tgt Ion:107 Resp: 244972

Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.0





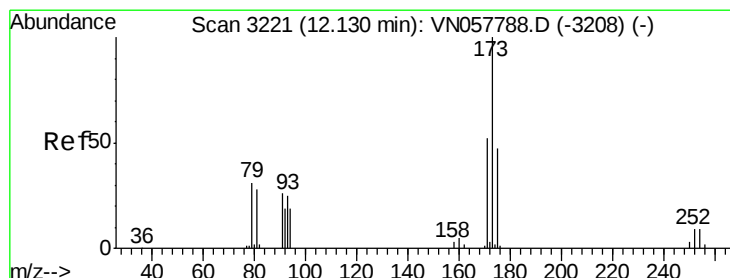
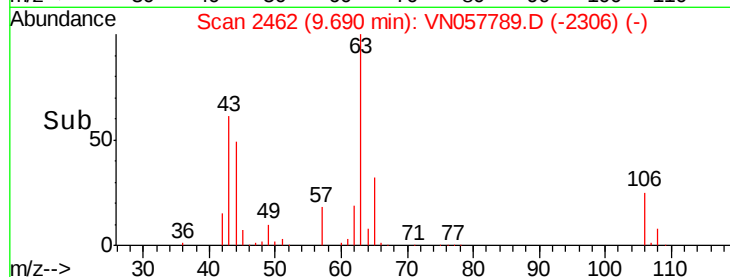
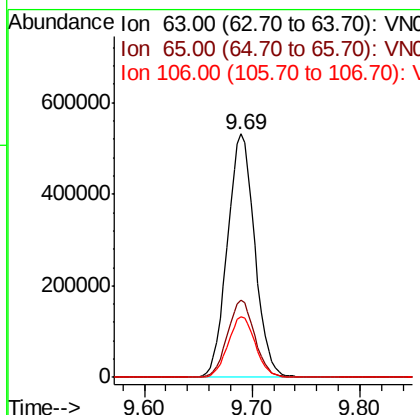
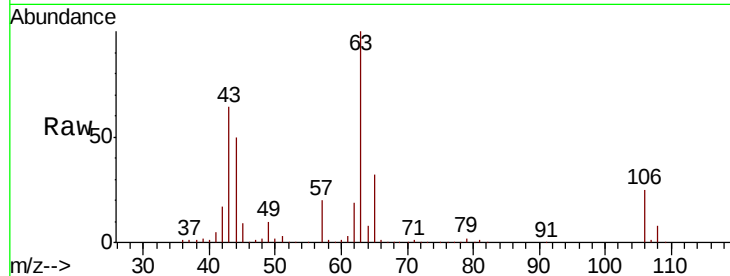
#55
2-Chloroethyl vinyl ether
Concen: 259.739 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.0	37.6
106	24.9	19.8	29.8

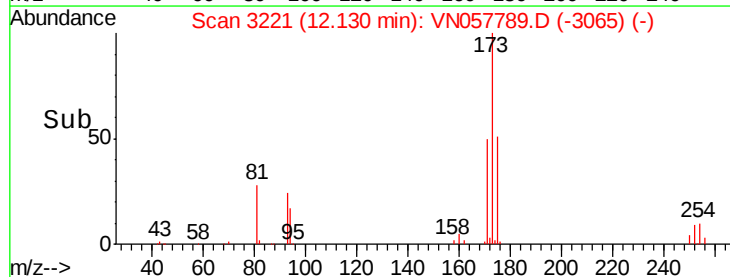
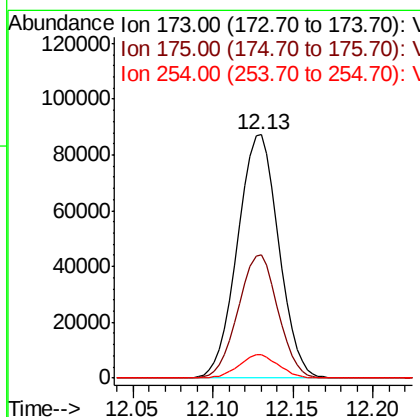
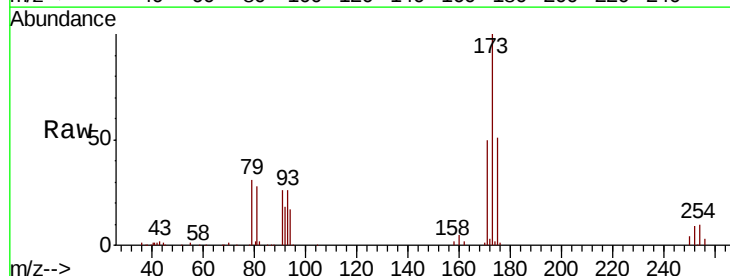
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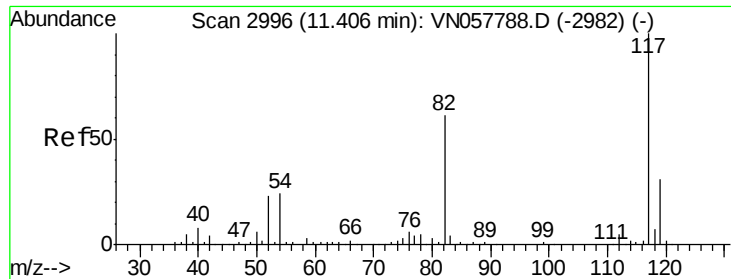
MMDadoda
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#56
Bromoform
Concen: 51.080 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.4	57.6
254	9.2	6.9	10.3





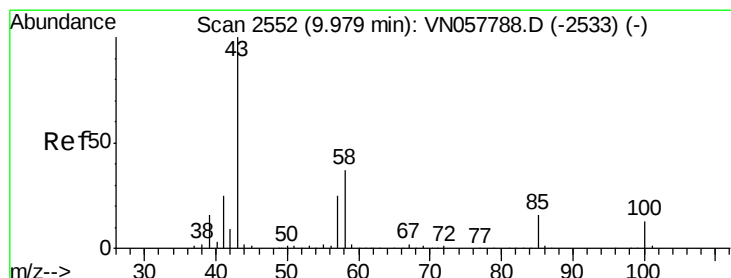
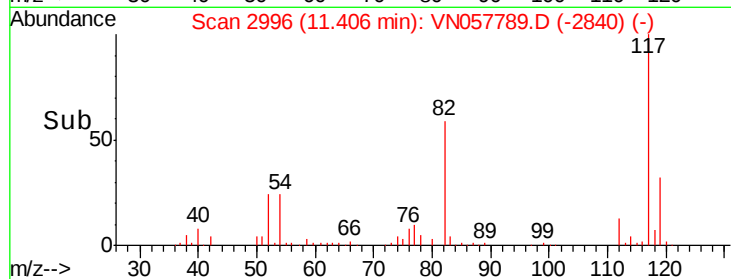
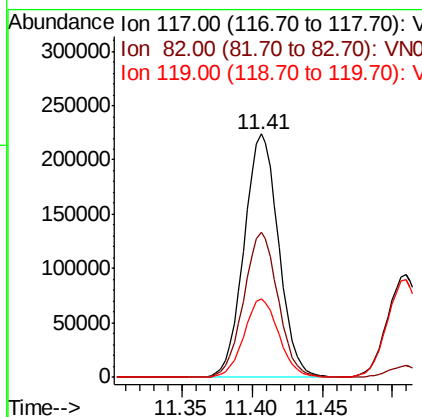
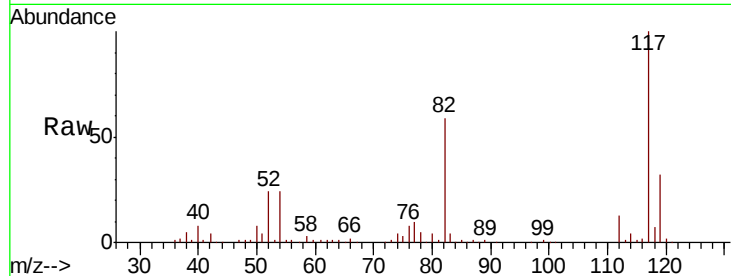
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.6	71.4
119	32.4	25.4	38.2

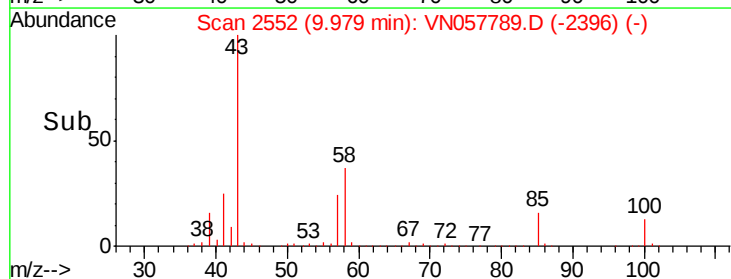
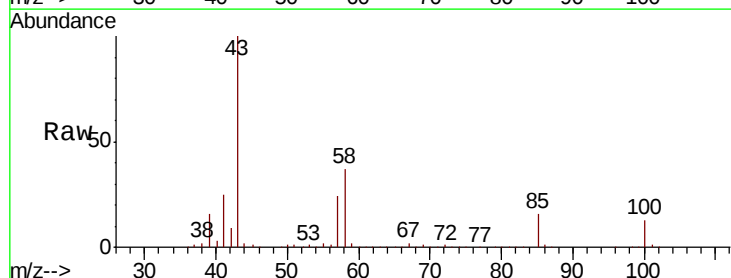
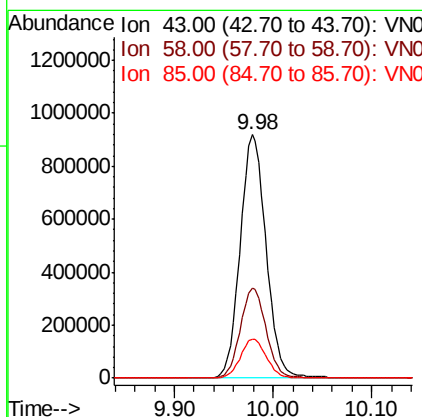
Manual Integrations
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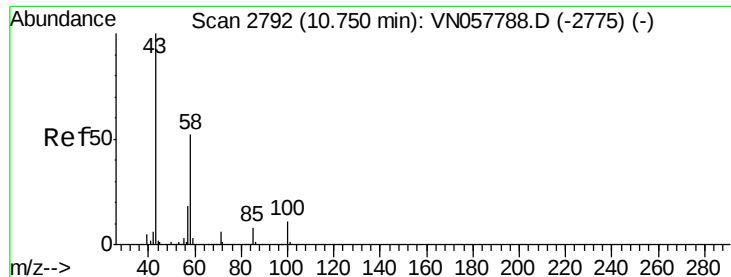
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 279.391 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.9	29.4	44.0
85	16.0	12.9	19.3





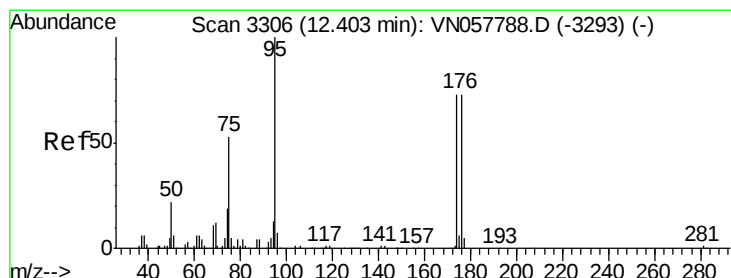
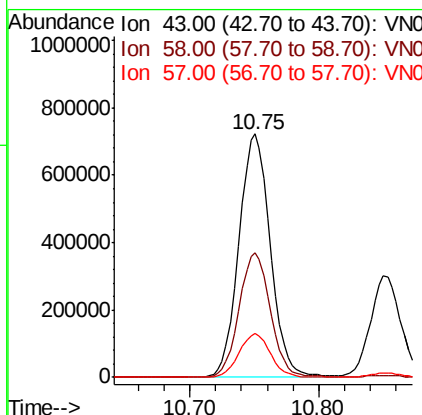
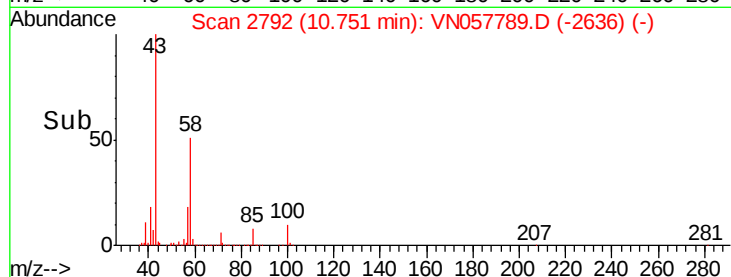
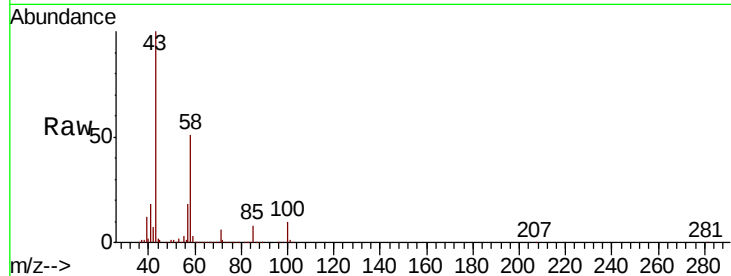
#59
2-Hexanone
Concen: 273.125 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 43 Resp: 1223216
Ion Ratio Lower Upper
43 100
58 51.1 40.6 61.0
57 18.1 14.5 21.7

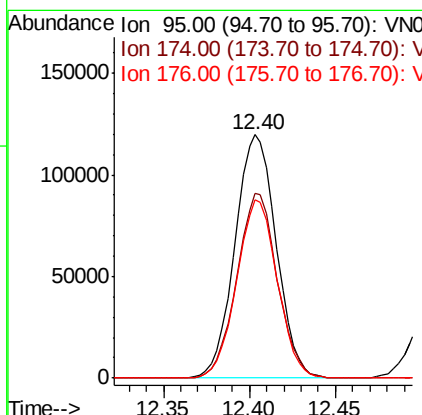
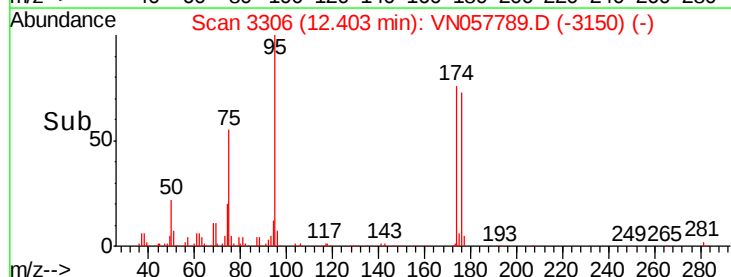
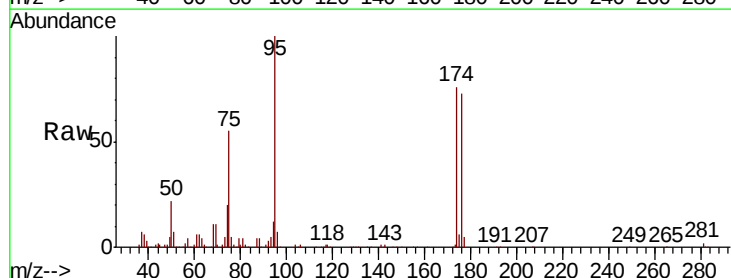
Manual Integrations
APPROVED

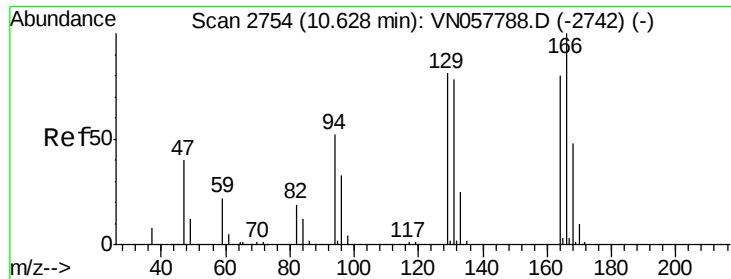
MMDadoda
9/13/2019 11:04:37 AM



#60
4-Bromofluorobenzene
Concen: 30.357 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 95 Resp: 199916
Ion Ratio Lower Upper
95 100
174 74.5 59.4 89.0
176 72.2 57.4 86.0





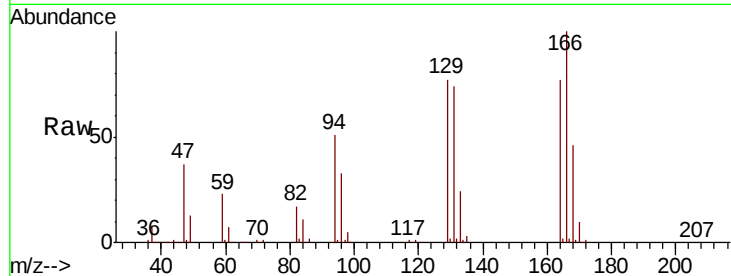
#61
Tetrachloroethene
Concen: 49.022 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	191815		
166	129.3	99.6	149.4	
129	99.2	80.9	121.3	
131	95.9	77.2	115.8	

Manual Integrations
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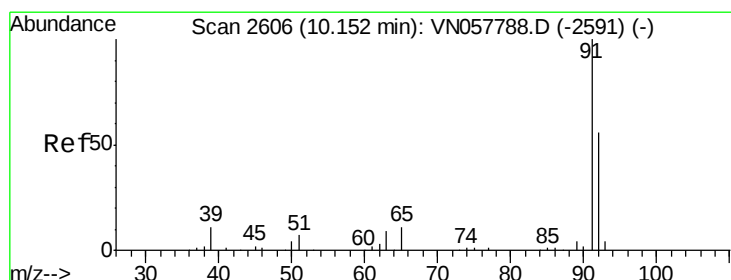
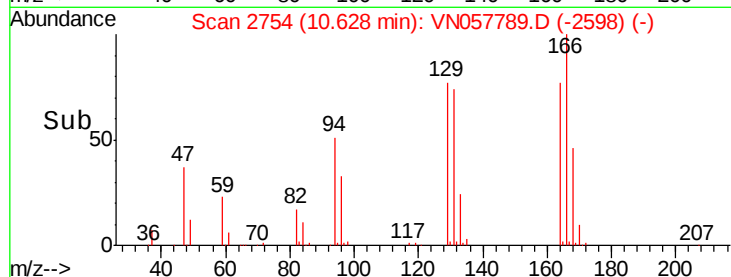
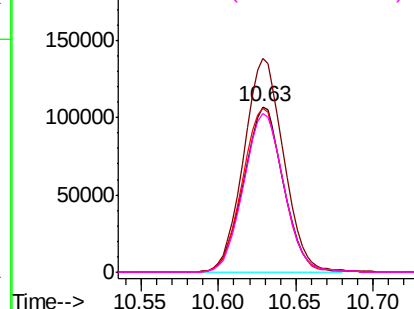
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

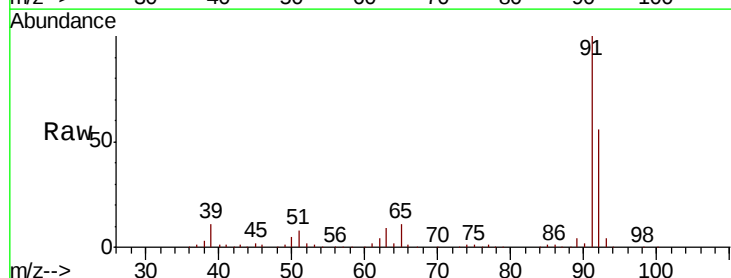
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 51.144 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

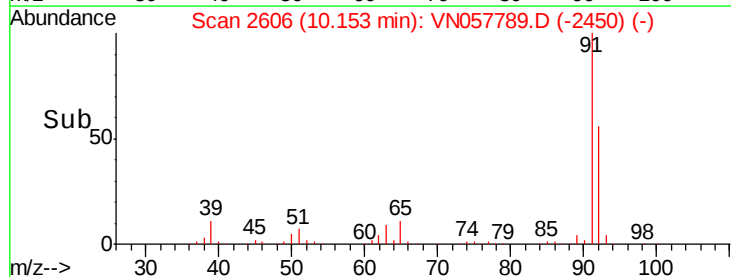
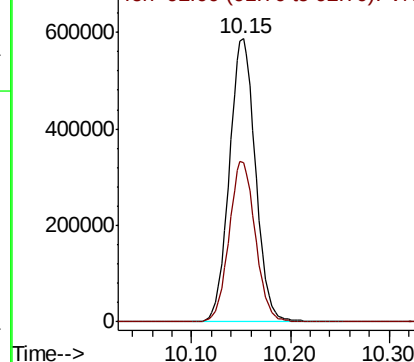
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1089847		
92	56.9	44.9	67.3	

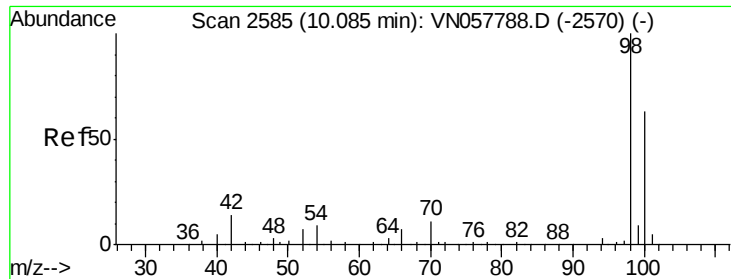


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





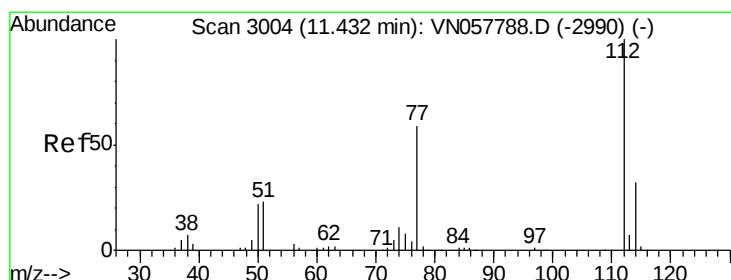
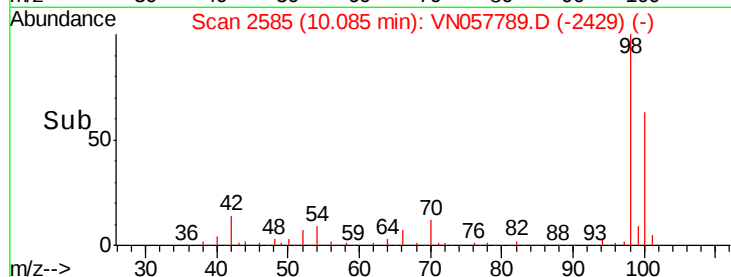
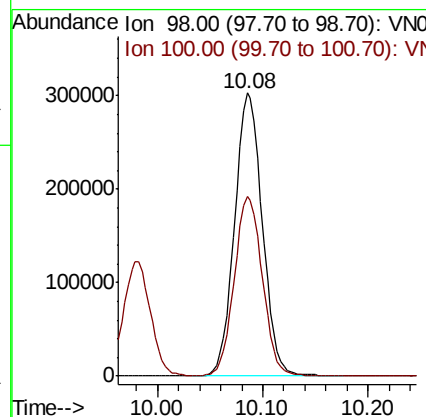
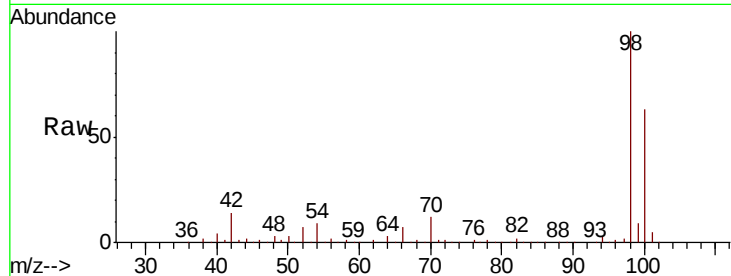
#63
Toluene-d8
Concen: 29.864 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 98 Resp: 551637
Ion Ratio Lower Upper
98 100
100 63.9 50.3 75.5

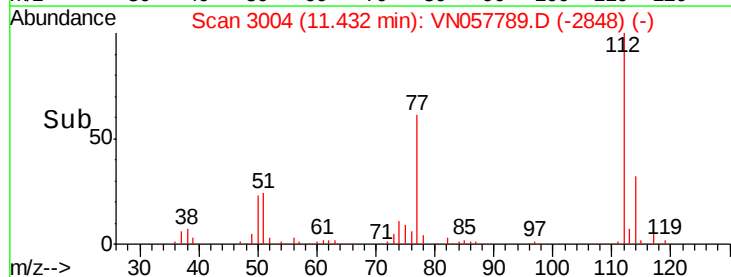
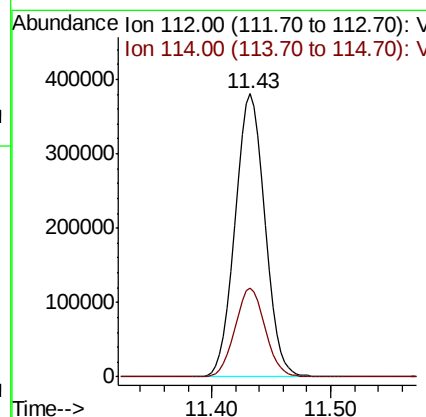
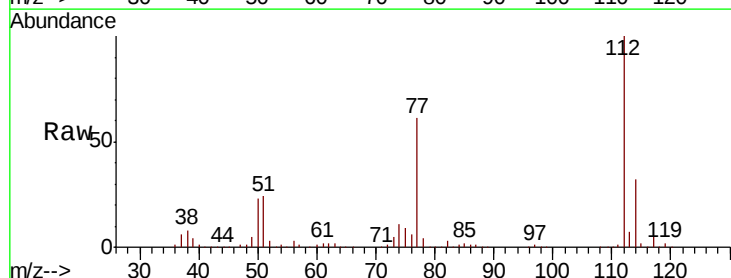
Manual Integrations
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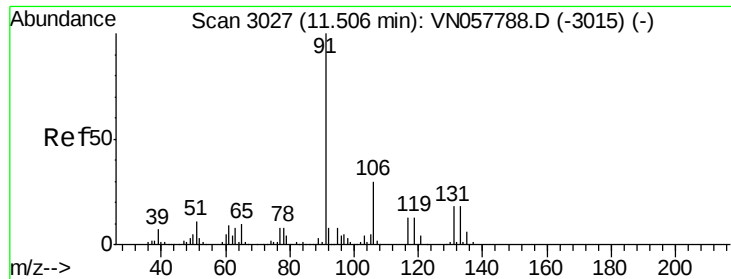
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#64
Chlorobenzene
Concen: 50.122 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 112 Resp: 662557
Ion Ratio Lower Upper
112 100
114 31.6 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 50.392 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

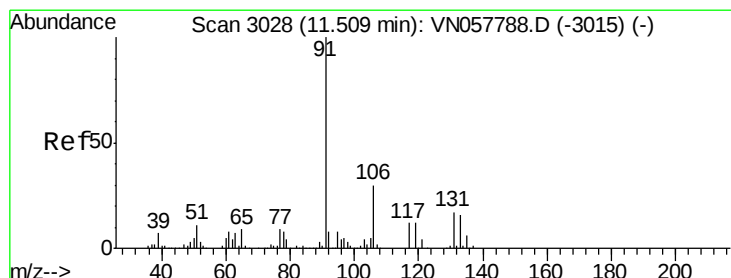
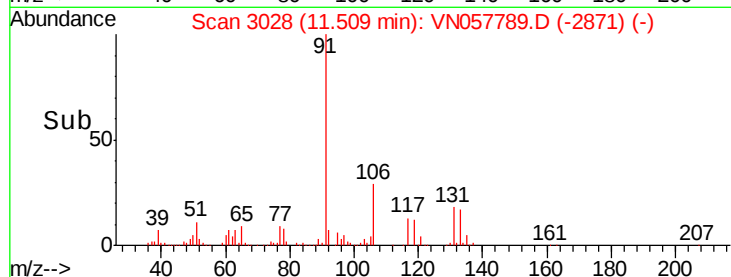
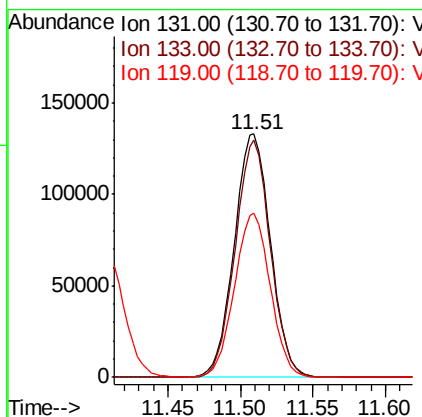
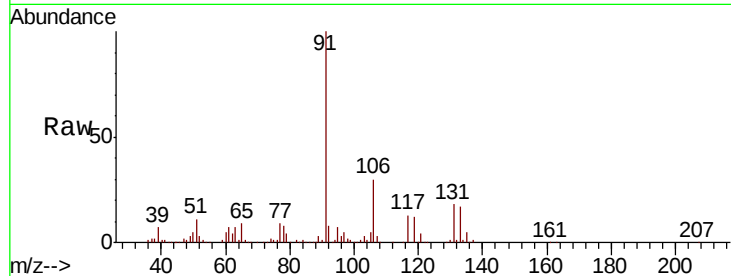
ClientSampleId :

VSTDIC050

Tgt Ion:	131	Resp:	231286
Ion Ratio	Lower	Upper	
131	100		
133	94.6	0.0	189.2
119	66.5	0.0	136.4

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#66

Ethyl Benzene

Concen: 53.478 ug/l

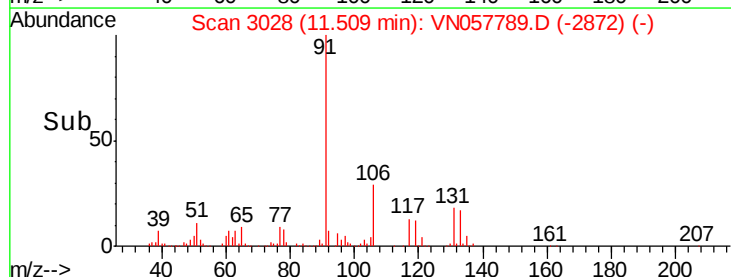
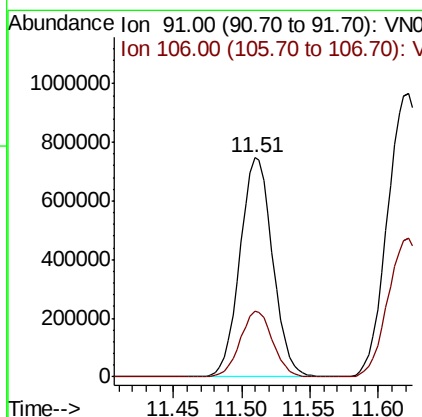
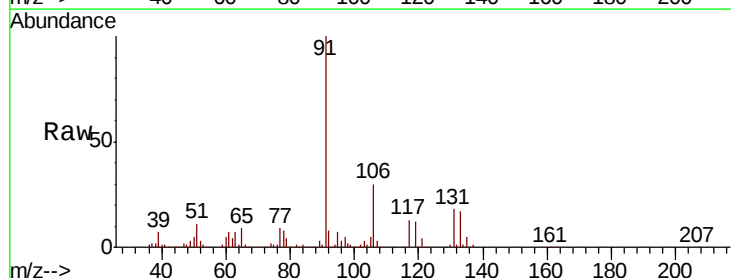
RT: 11.51 min Scan# 3028

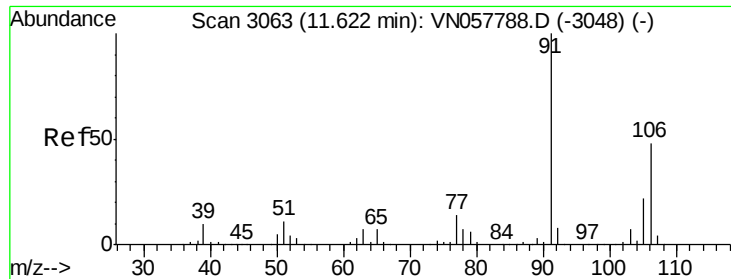
Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Tgt Ion:	91	Resp:	1243342
Ion Ratio	Lower	Upper	
91	100		
106	29.9	24.0	36.0





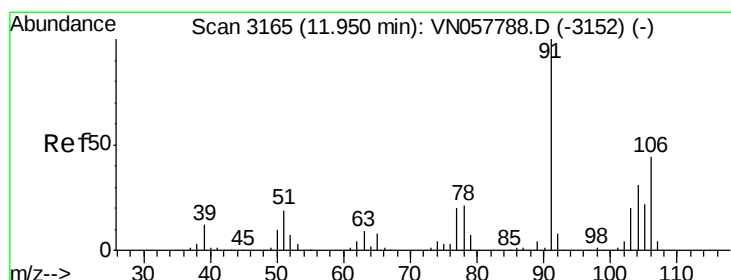
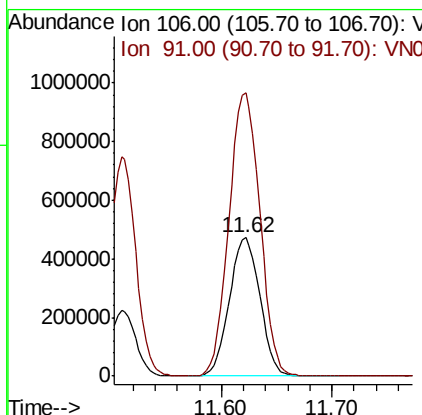
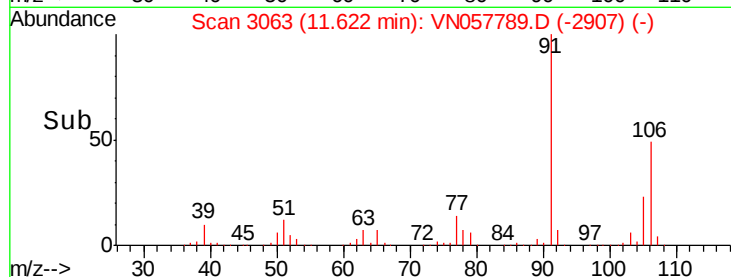
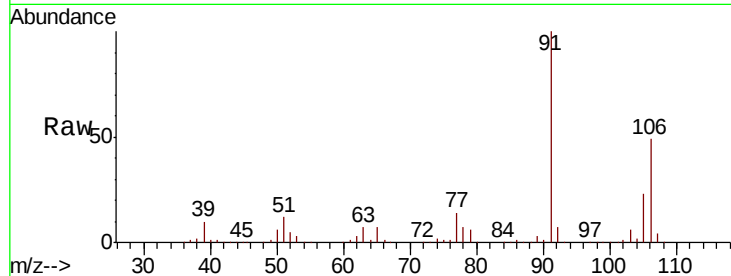
#67
m/p-Xylenes
Concen: 113.166 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion:106 Resp: 908746
Ion Ratio Lower Upper
106 100
91 207.0 166.1 249.1

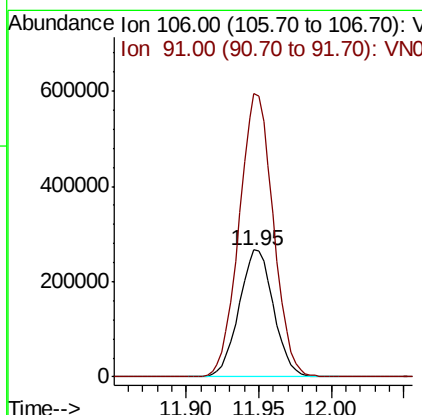
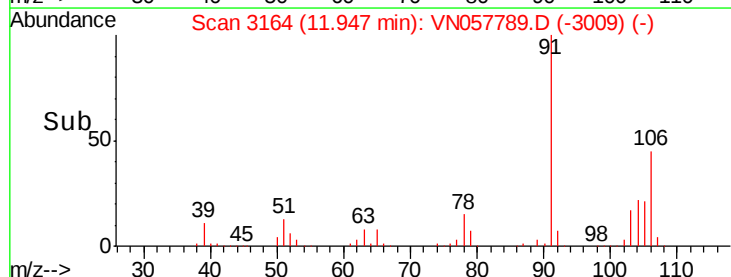
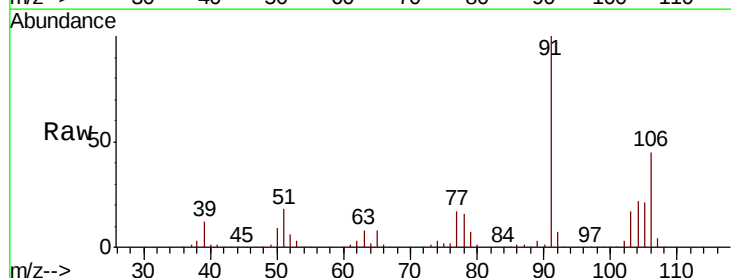
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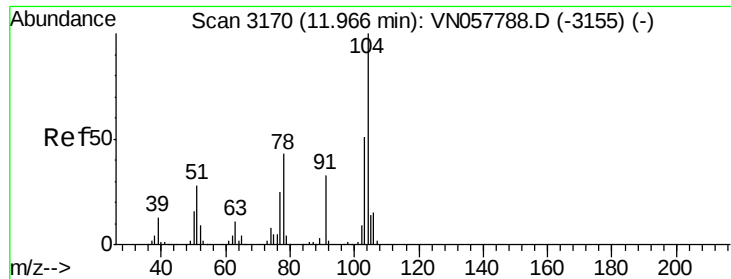
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#68
o-Xylene
Concen: 50.706 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion:106 Resp: 440939
Ion Ratio Lower Upper
106 100
91 220.9 111.5 334.4





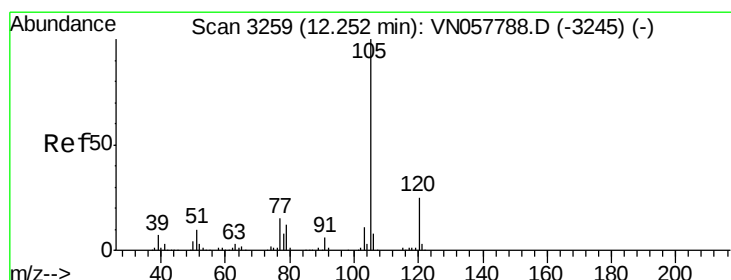
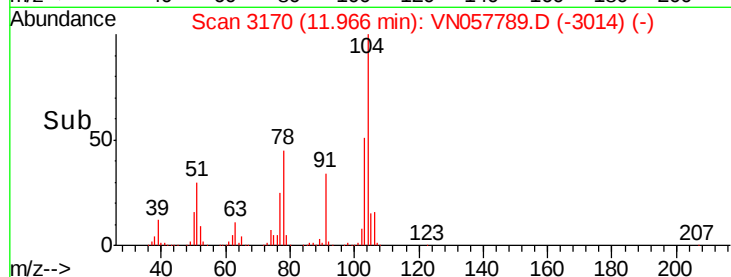
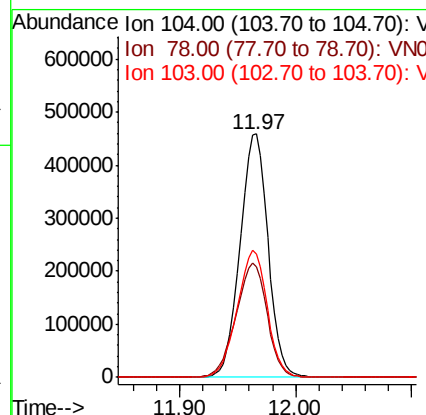
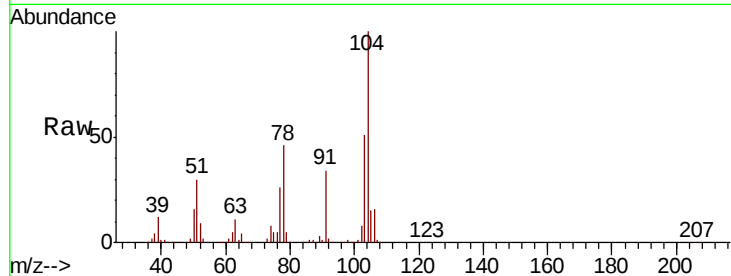
#69
Styrene
Concen: 51.610 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	765210		
78	52.2	41.5	62.3	
103	55.9	44.8	67.2	

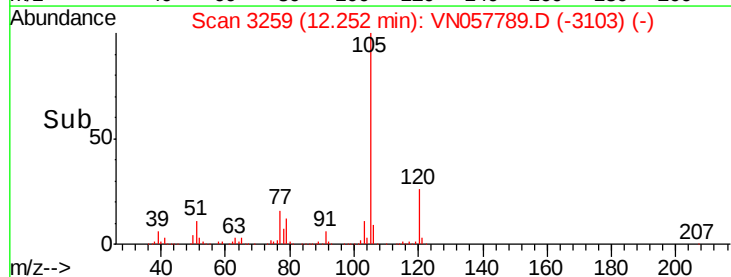
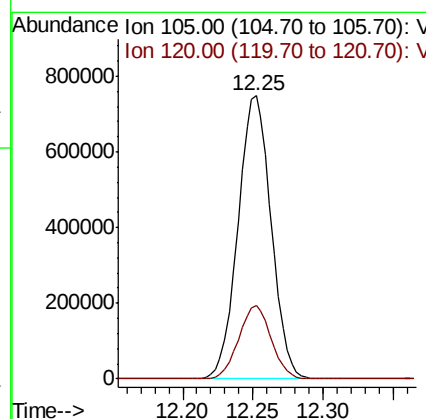
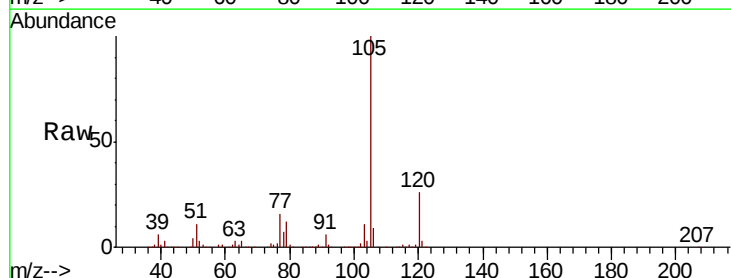
Manual Integrations
APPROVED

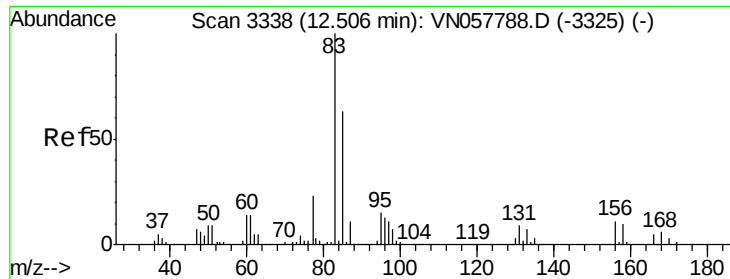
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#70
Isopropylbenzene
Concen: 53.413 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1227974		
120	25.5	17.6	32.6	





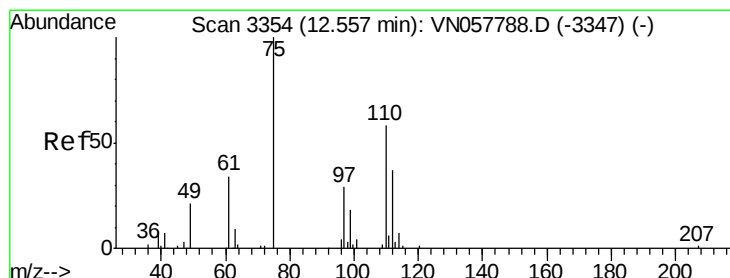
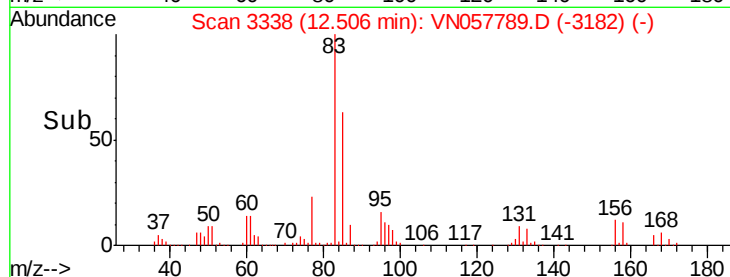
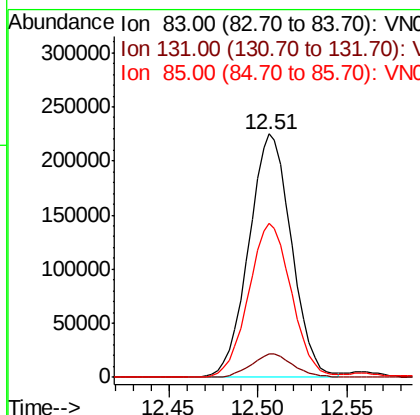
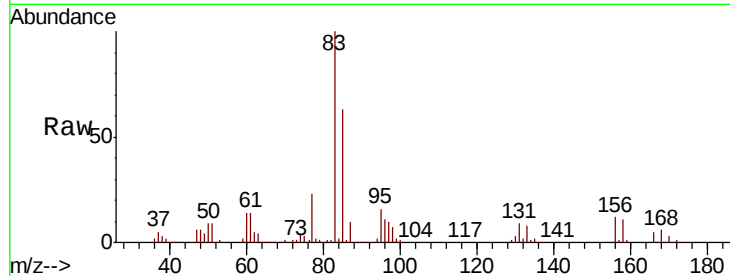
#71
 1,1,2,2-Tetrachloroethane
 Concen: 52.299 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	375767		
131	9.6	4.9	14.6	
85	63.6	32.1	96.3	

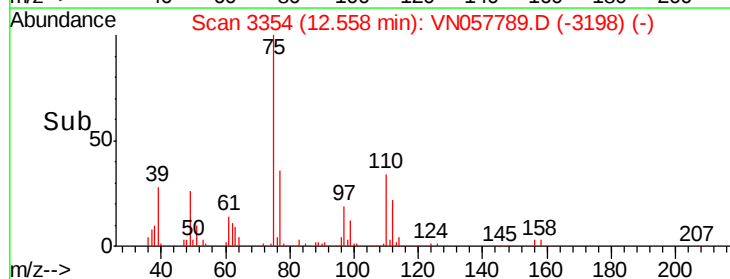
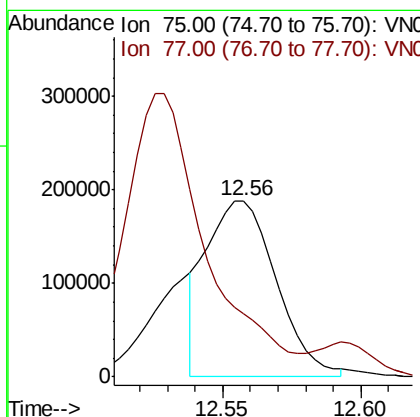
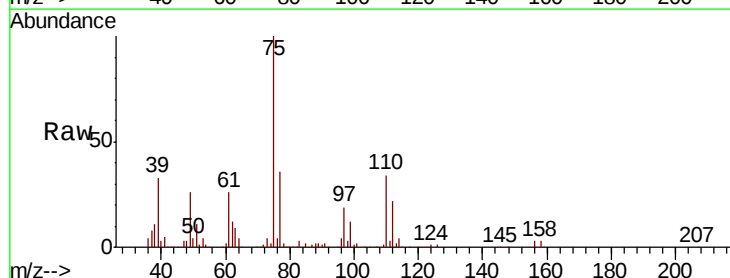
Manual Integrations
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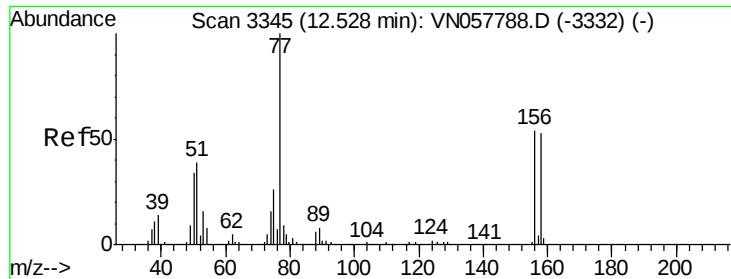
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 9/13/2019 11:04:37 AM



#72
 1,2,3-Trichloropropane
 Concen: 52.249 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	328518		
77	188.8	0.0	351.6	





#73

Bromobenzene

Concen: 50.102 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

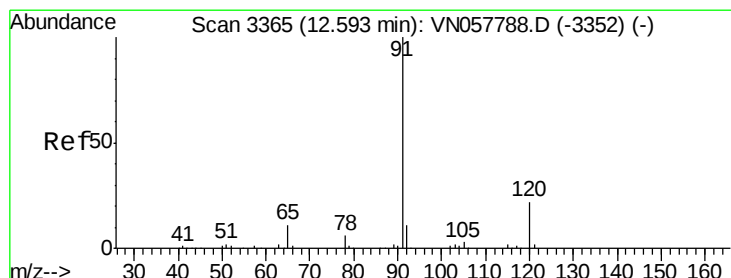
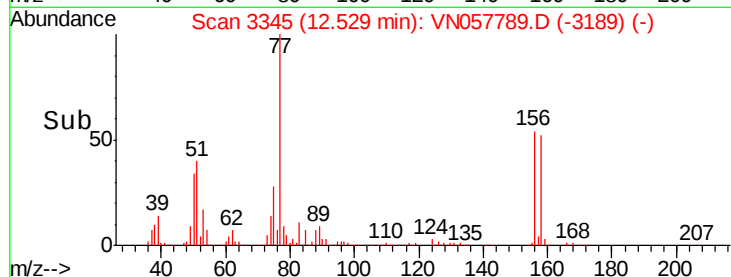
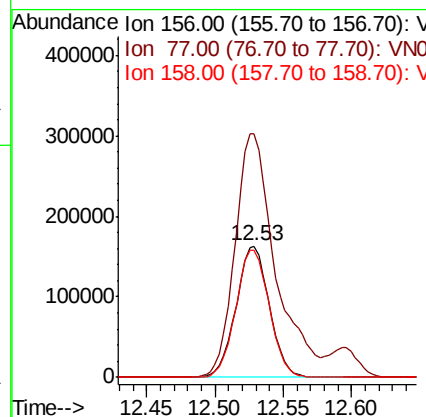
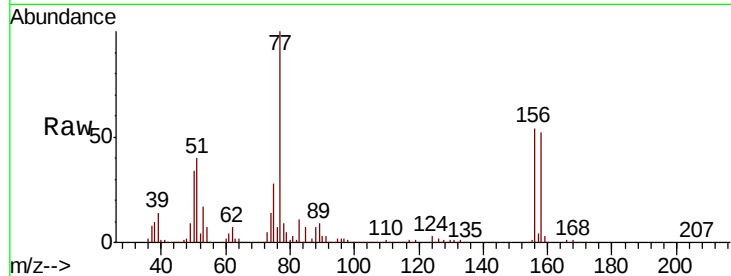
ClientSampled :

VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	275760		
77	224.9	0.0	446.6	
158	97.5	0.0	197.2	

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#74

n-propylbenzene

Concen: 54.687 ug/l

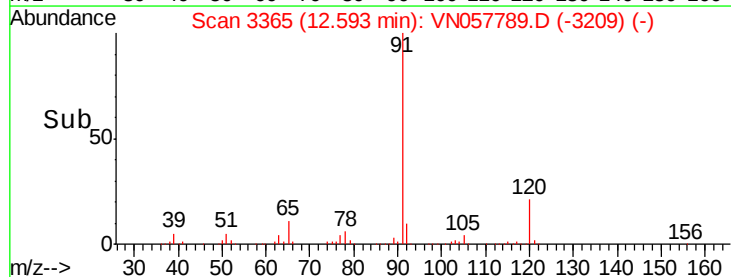
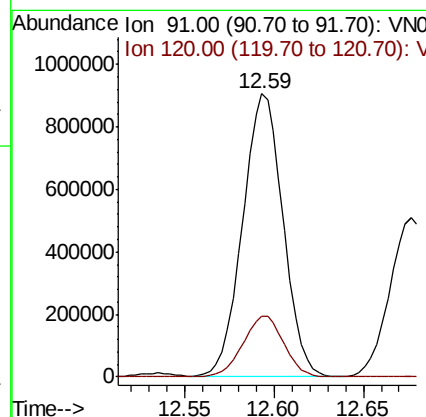
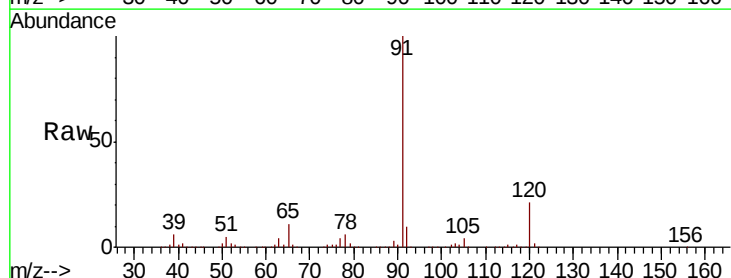
RT: 12.59 min Scan# 3365

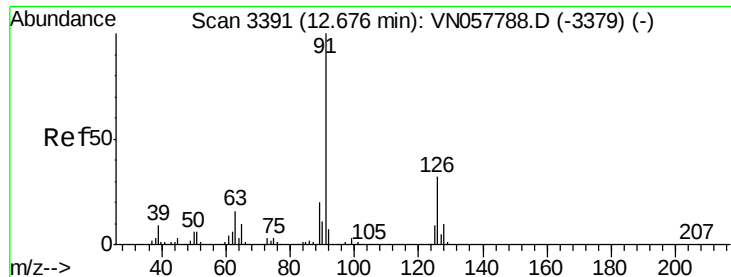
Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1436416		
120	21.7	0.0	43.4	





#75

2-Chlorotoluene

Concen: 51.395 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC050

Tgt Ion: 91 Resp: 840835

Ion Ratio Lower Upper

91 100

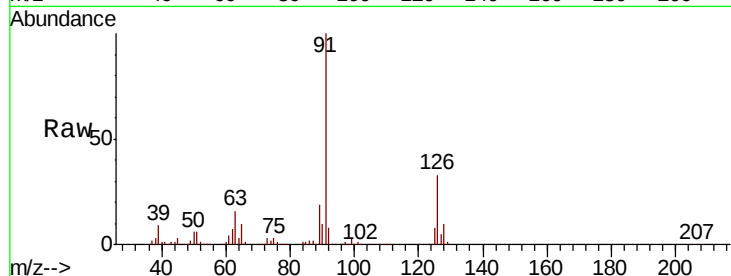
126 32.6 0.0 64.8

Manual Integrations

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

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

600000

400000

200000

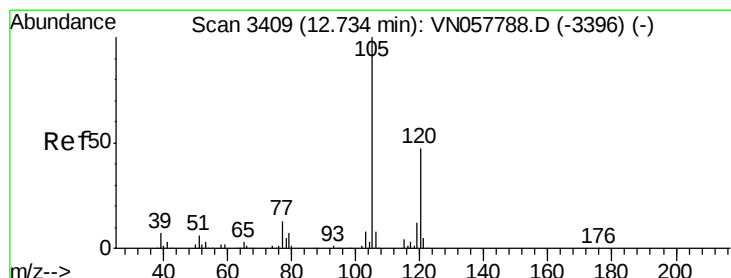
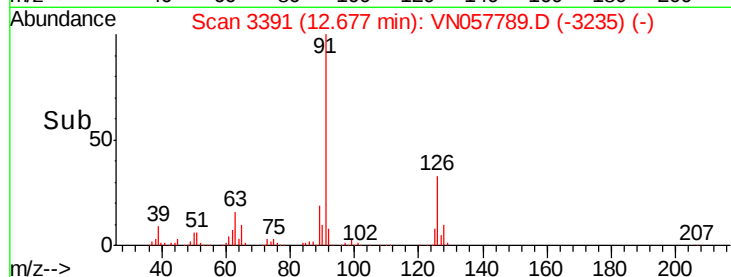
0

12.68

12.65

12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 53.083 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057789.D

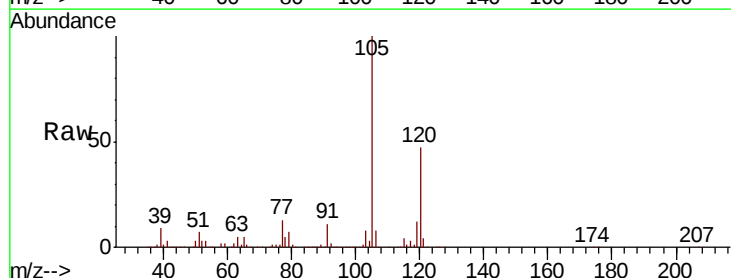
Acq: 9 Sep 2019 9:56

Tgt Ion: 105 Resp: 1039186

Ion Ratio Lower Upper

105 100

120 47.2 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) (-)

600000

400000

200000

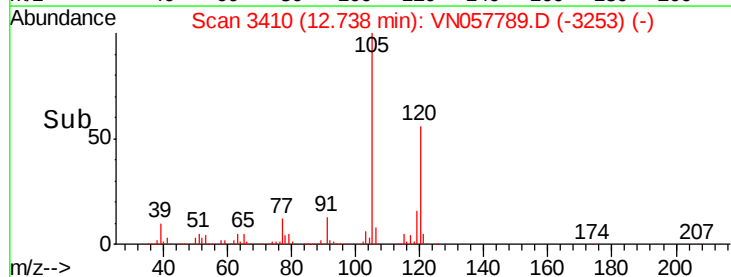
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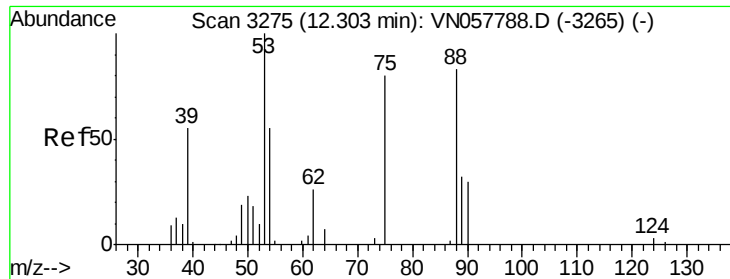
12.74

12.70

12.80

Time-->





#77

t-1,4-Dichloro-2-butene

Concen: 53.882 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Instrument :

MSVOA_N

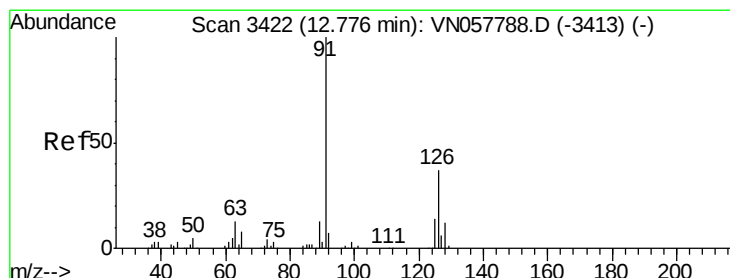
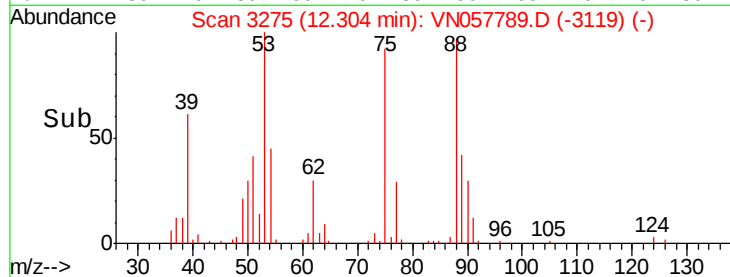
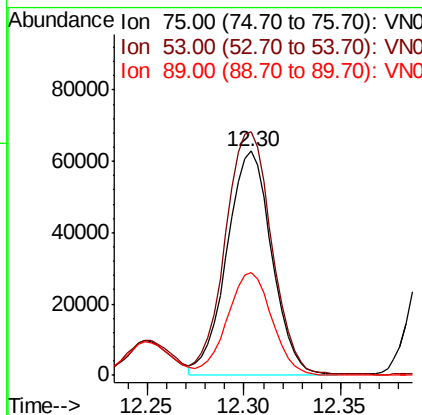
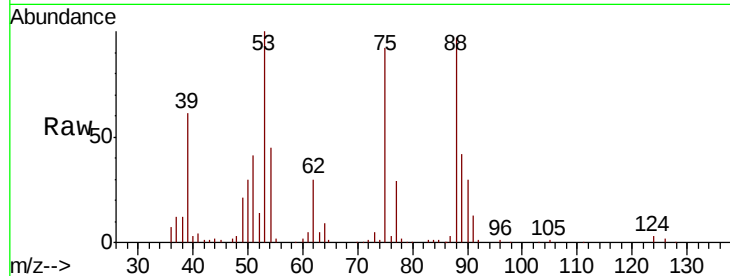
ClientSampleId :

VSTDIC050

Tgt Ion:	75	Resp:	101940
Ion	Ratio	Lower	Upper
75	100		
53	108.3	62.7	188.2
89	46.2	22.8	68.3

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#78

4-Chlorotoluene

Concen: 52.601 ug/l

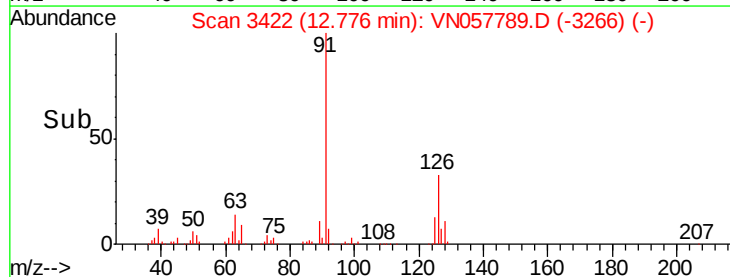
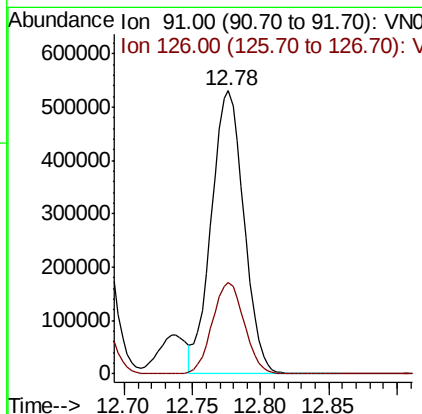
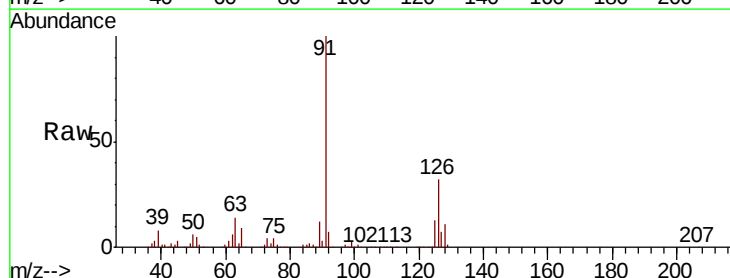
RT: 12.78 min Scan# 3422

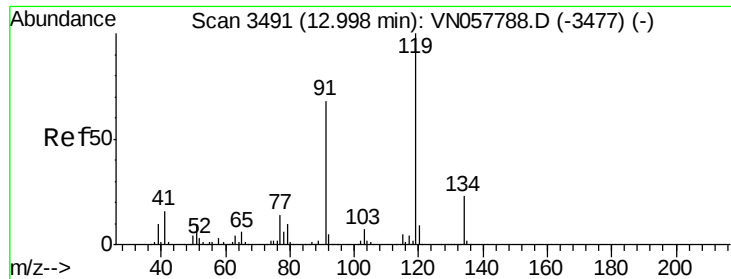
Delta R.T. 0.00 min

Lab File: VN057789.D

Acq: 9 Sep 2019 9:56

Tgt Ion:	91	Resp:	877802
Ion	Ratio	Lower	Upper
91	100		
126	31.8	0.0	65.2





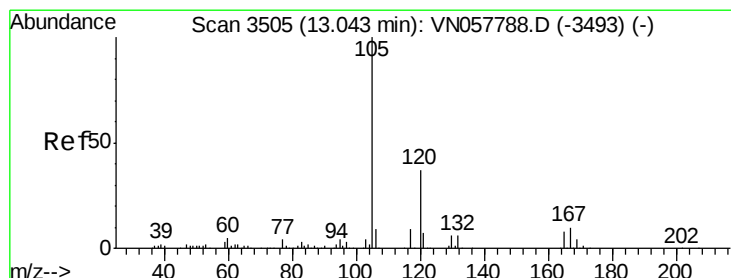
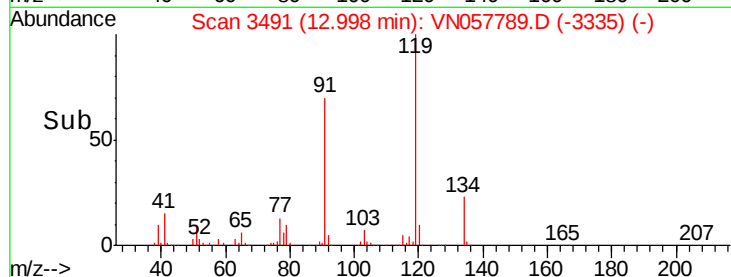
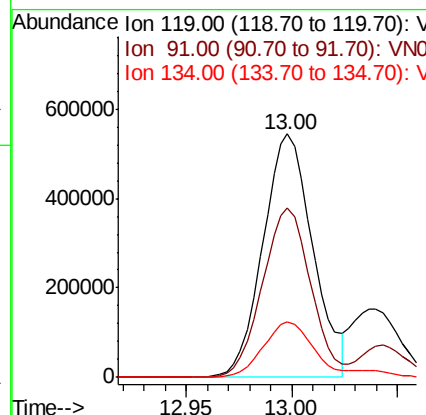
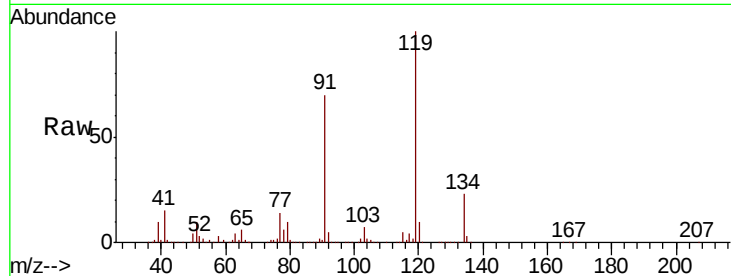
#79
tert-butylbenzene
Concen: 52.455 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampled :
VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	895871		
91	67.6	0.0	133.8	
134	22.9	0.0	46.4	

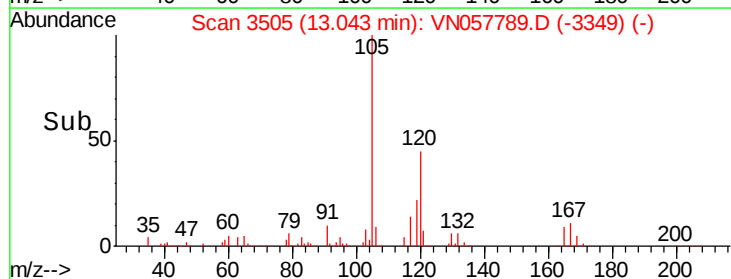
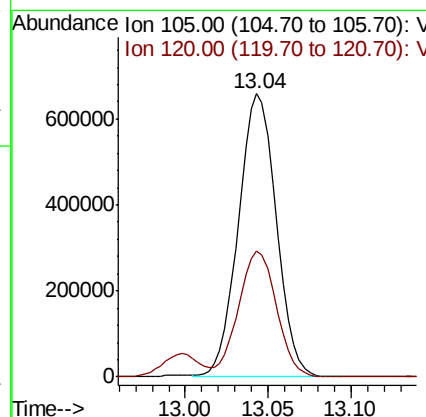
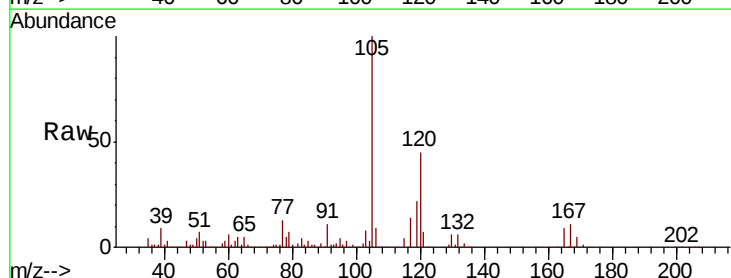
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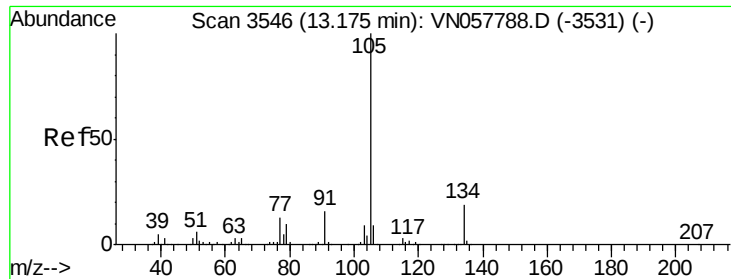
MMDadoda
9/13/2019 11:04:37 AM



#80
1,2,4-Trimethylbenzene
Concen: 53.728 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1048016		
120	44.8	0.0	87.8	





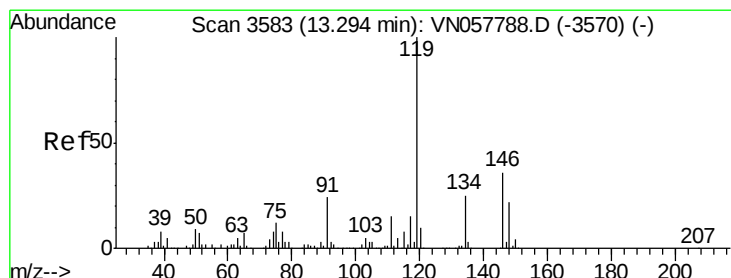
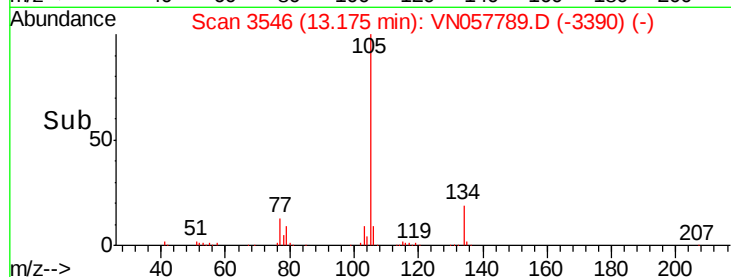
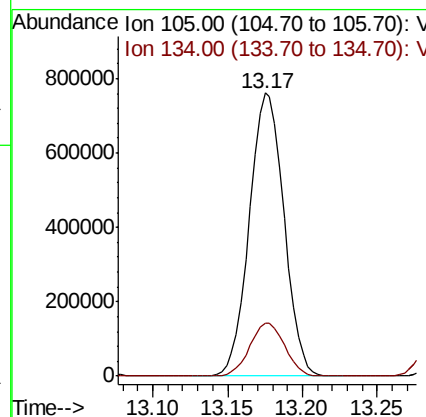
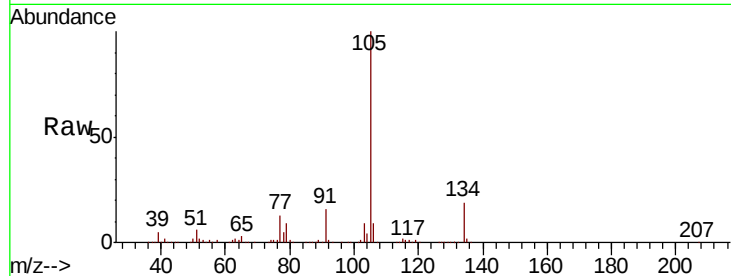
#81
 sec-Butylbenzene
 Concen: 54.098 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion:105 Resp: 1225865
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 37.6

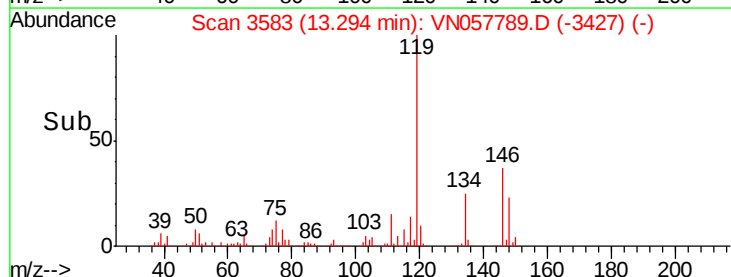
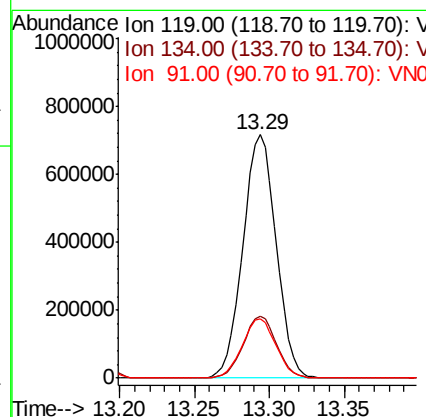
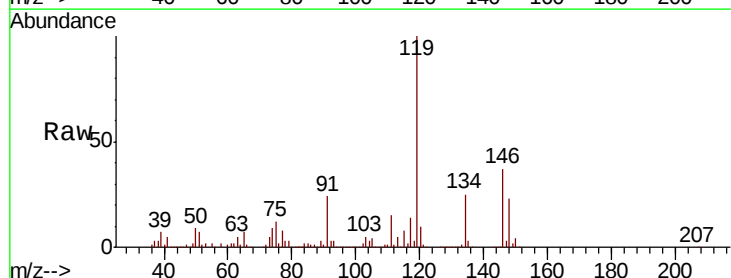
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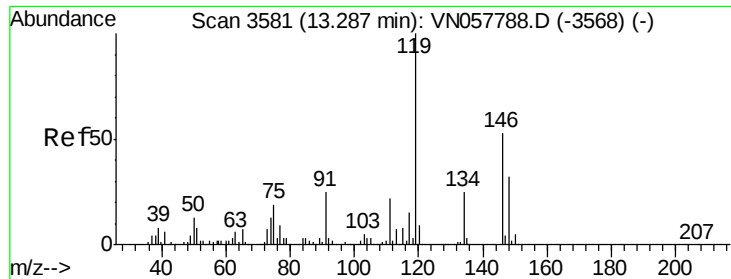
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#82
 p-Isopropyltoluene
 Concen: 54.639 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion:119 Resp: 1108801
 Ion Ratio Lower Upper
 119 100
 134 25.4 0.0 50.4
 91 24.4 0.0 48.8





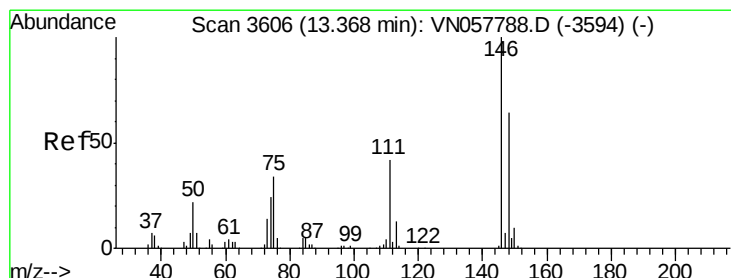
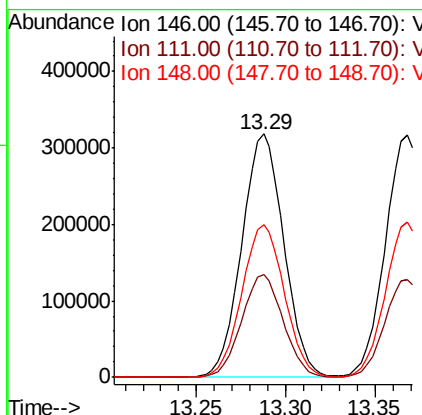
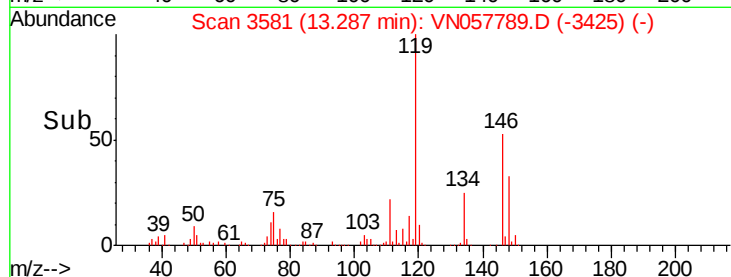
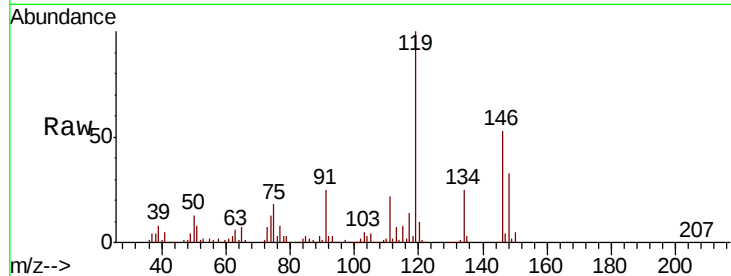
#83
 1,3-Dichlorobenzene
 Concen: 51.401 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	525865		
111	41.7	20.7	62.1	
148	63.4	30.9	92.5	

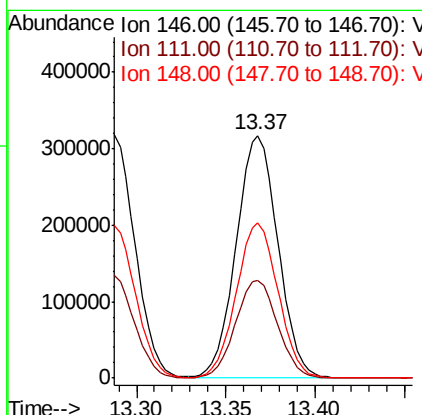
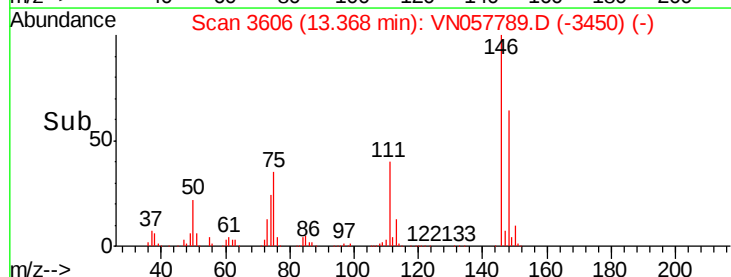
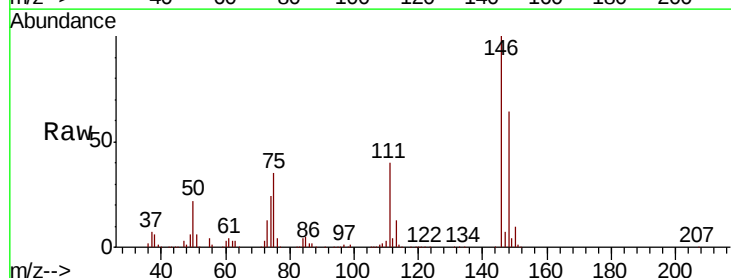
Manual Integrations
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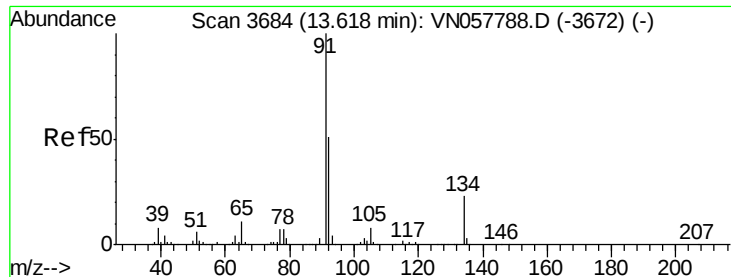
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#84
 1,4-Dichlorobenzene
 Concen: 51.374 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	517452		
111	40.7	21.1	63.4	
148	64.2	31.7	95.1	





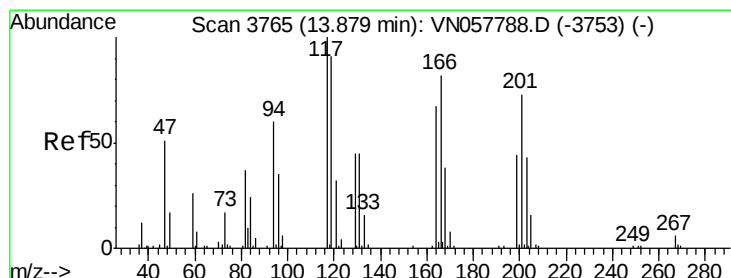
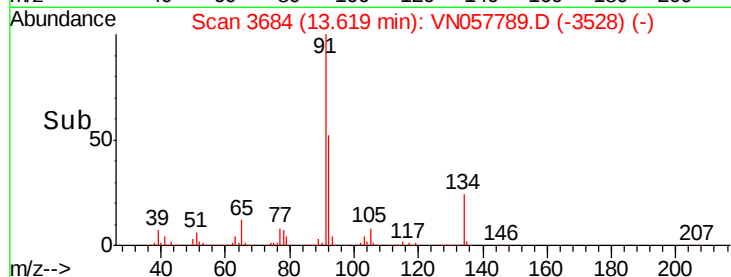
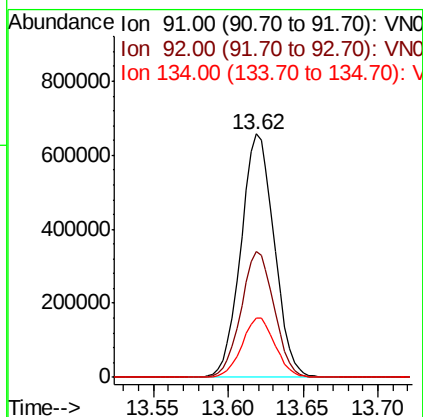
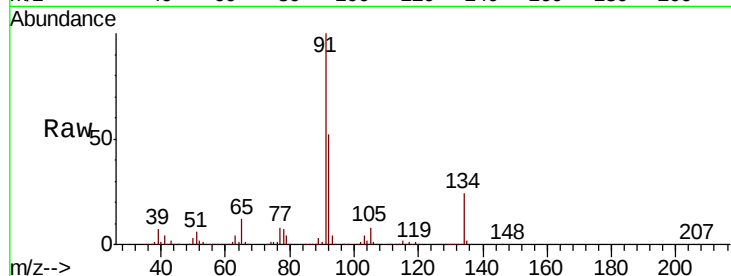
#85
n-Butylbenzene
Concen: 53.889 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion: 91 Resp: 1019186
Ion Ratio Lower Upper
91 100
92 51.3 0.0 100.0
134 24.2 0.0 46.6

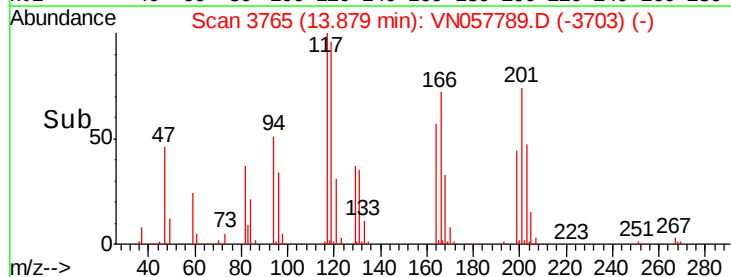
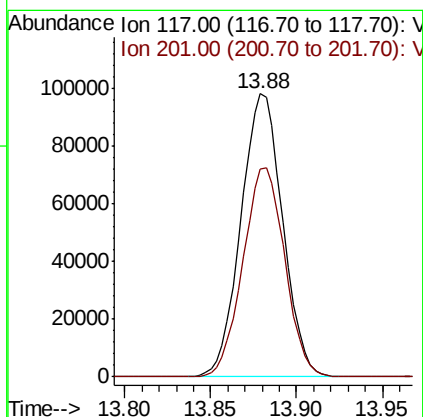
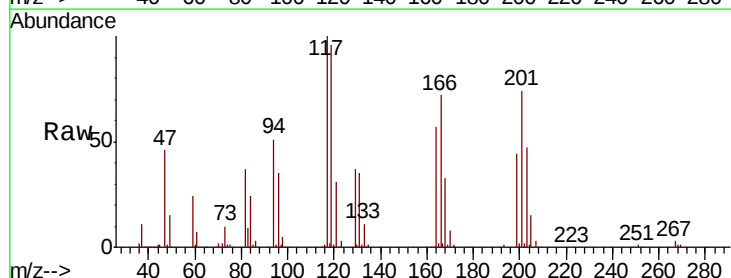
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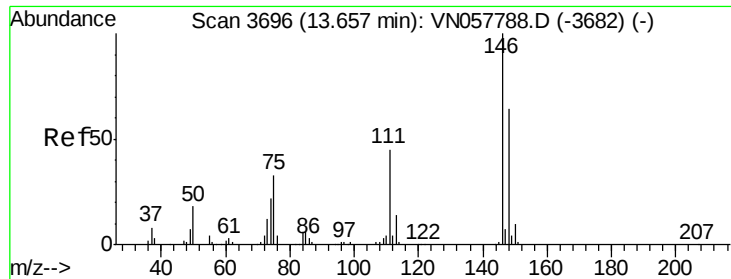
MMDadoda
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#86
Hexachloroethane
Concen: 51.007 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion: 117 Resp: 164873
Ion Ratio Lower Upper
117 100
201 74.1 36.7 110.1





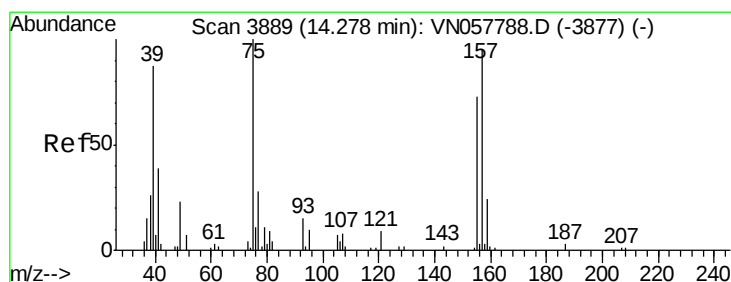
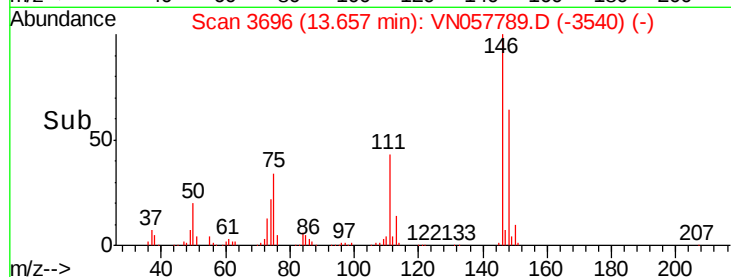
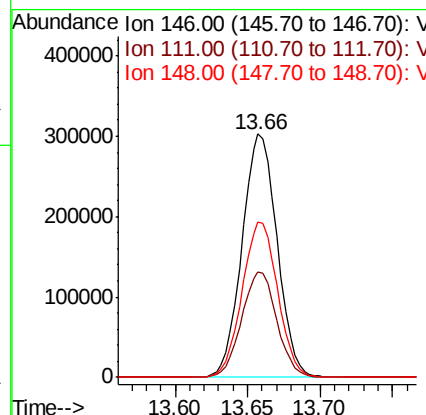
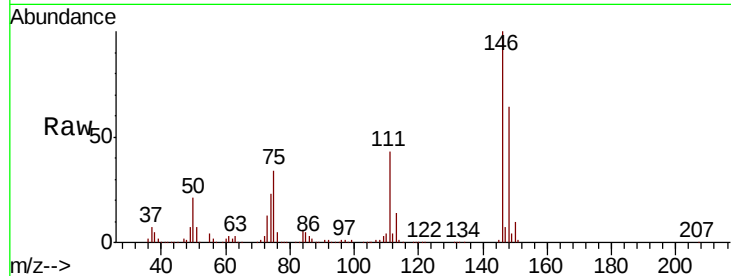
#87
 1,2-Dichlorobenzene
 Concen: 51.295 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.2	66.6
148	64.7	32.1	96.3

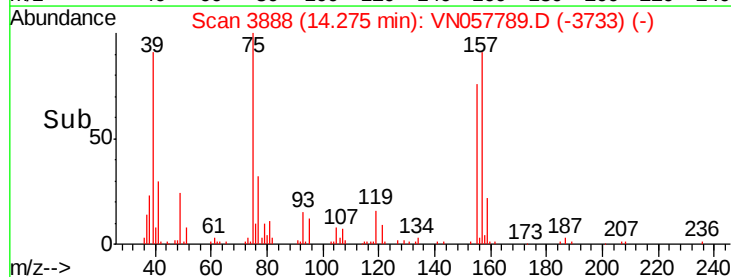
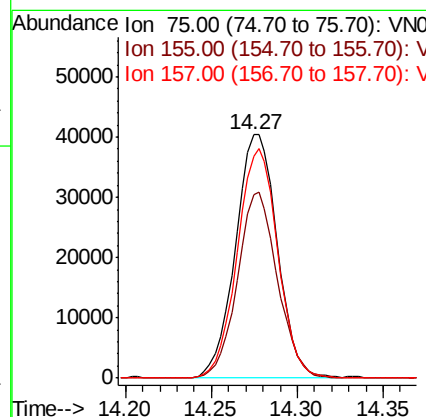
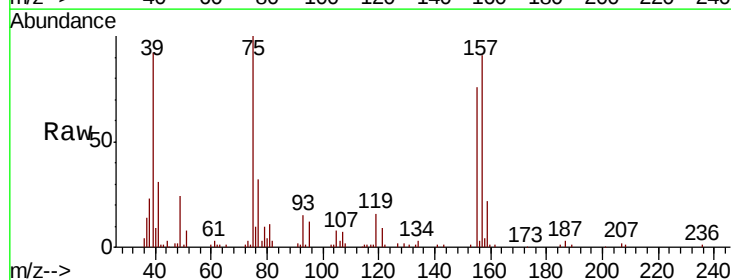
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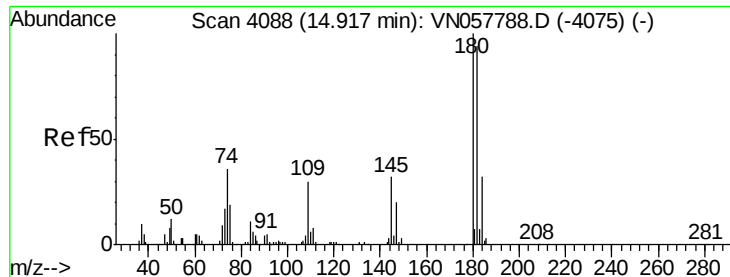
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 54.116 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	59.4	89.2
157	91.3	74.6	112.0





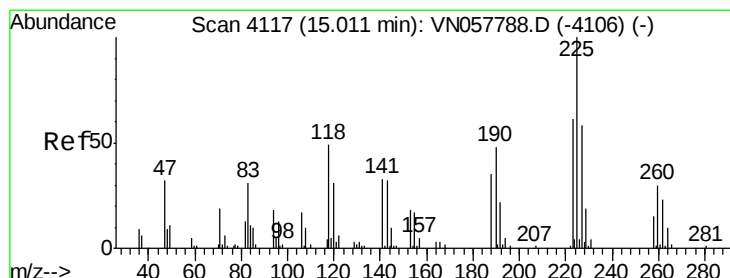
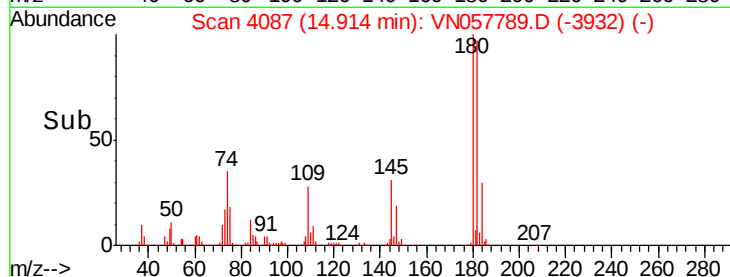
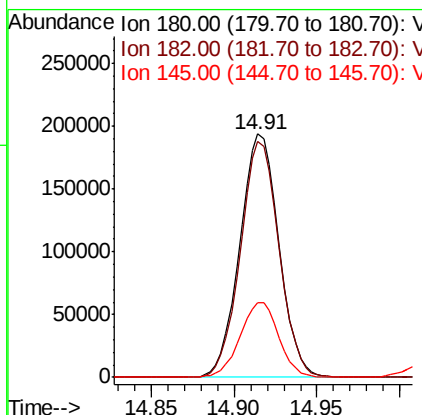
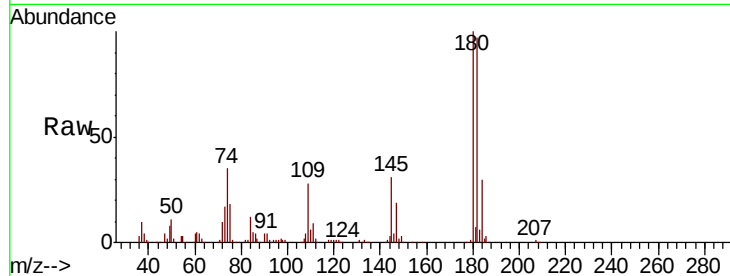
#89
 1,2,4-Trichlorobenzene
 Concen: 52.282 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	317166		
182	96.0	77.0	115.4	
145	30.4	26.1	39.1	

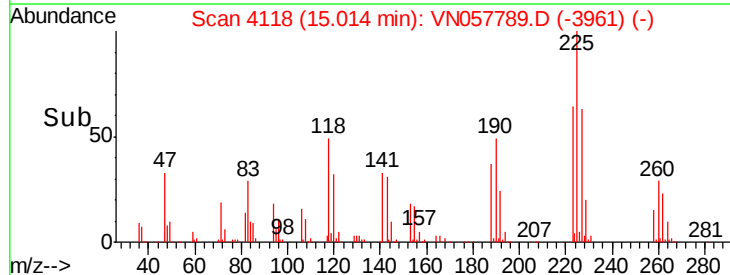
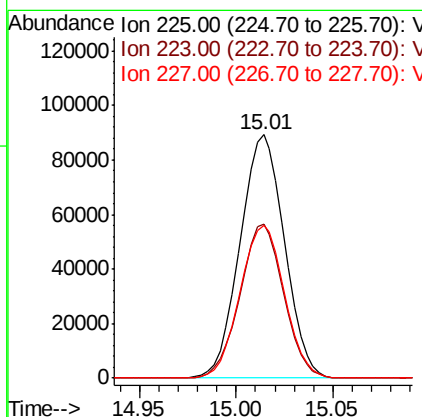
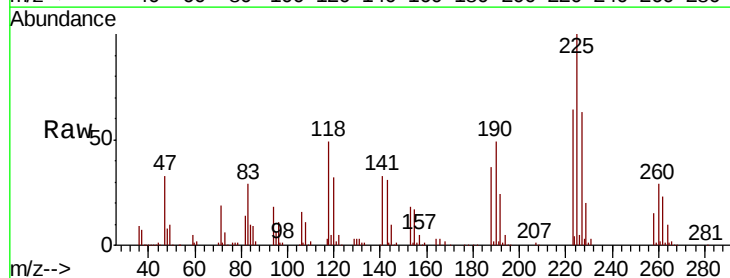
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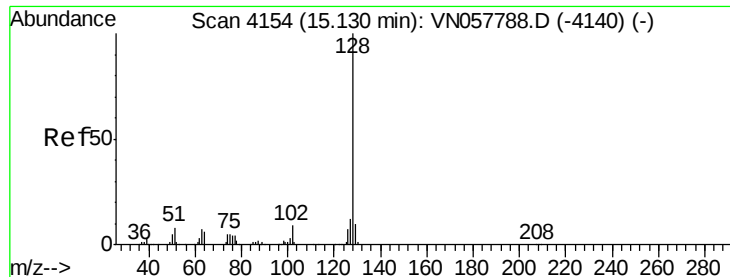
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#90
 Hexachlorobutadiene
 Concen: 51.141 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057789.D
 Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	142481		
223	62.2	0.0	125.0	
227	62.8	0.0	123.8	





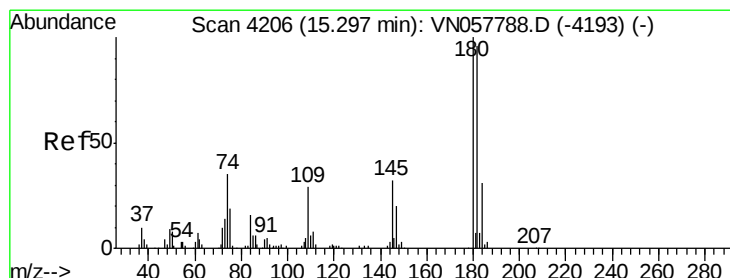
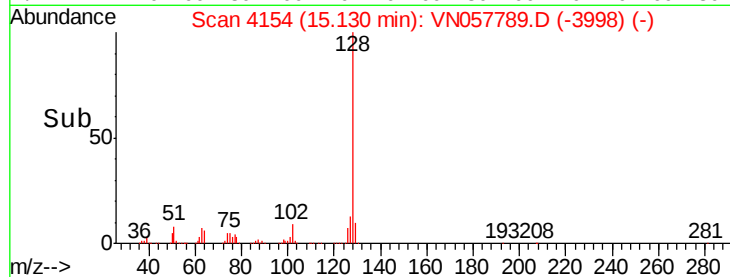
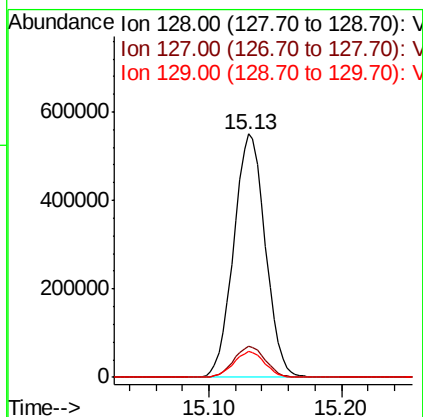
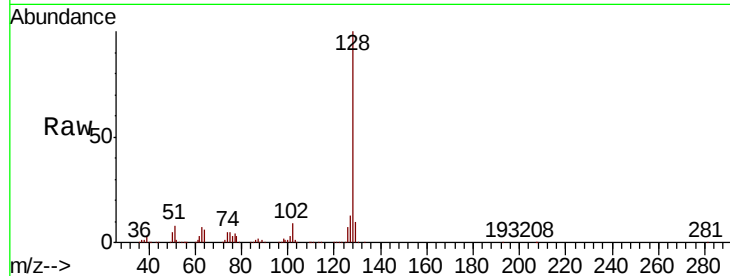
#91
Naphthalene
Concen: 54.696 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.8	9.9	14.9
129	10.5	8.1	12.1

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 51.658 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057789.D
Acq: 9 Sep 2019 9:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.4	0.0	189.8
145	32.8	0.0	65.0

