

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111819\
 Data File : VN059285.D
 Acq On : 18 Nov 2019 15:44
 Operator : JC/SP
 Sample : VN1118WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBSD01

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 11:03:24 AM

Quant Time: Nov 19 03:01:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	697271	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	619838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281366	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	247693	45.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.82%	
35) Dibromofluoromethane	7.57	113	203764	48.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.88%	
50) Toluene-d8	10.08	98	754212	45.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.98%	
62) 4-Bromofluorobenzene	12.40	95	278282	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.12%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	73785	16.687	ug/l	100
3) Chloromethane	2.04	50	96992	16.137	ug/l	98
4) Vinyl Chloride	2.17	62	101806	17.470	ug/l	100
5) Bromomethane	2.55	94	57322	17.093	ug/l	97
6) Chloroethane	2.68	64	62822	18.224	ug/l	100
7) Trichlorofluoromethane	3.00	101	132270	18.976	ug/l	98
8) Diethyl Ether	3.39	74	59696	21.078	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	82249	19.571	ug/l	98
10) Methyl Iodide	3.93	142	75510	14.516	ug/l	97
11) Tert butyl alcohol	4.75	59	106469	103.556	ug/l	98
12) 1,1-Dichloroethene	3.72	96	79983	19.537	ug/l	97
13) Acrolein	3.58	56	46109	86.985	ug/l	97
14) Allyl chloride	4.30	41	159613	18.980	ug/l	94
15) Acrylonitrile	4.95	53	282990	110.601	ug/l	100
16) Acetone	3.79	43	228263	81.366	ug/l	98
17) Carbon Disulfide	4.03	76	213974	16.837	ug/l	98
18) Methyl Acetate	4.30	43	149898	22.511	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	304972	21.637	ug/l	99
20) Methylene Chloride	4.53	84	97550	19.959	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	85242	19.398	ug/l	92
22) Diisopropyl ether	5.93	45	328033	20.652	ug/l	98
23) Vinyl Acetate	5.87	43	1358866	110.382	ug/l	99
24) 1,1-Dichloroethane	5.82	63	180046	20.294	ug/l	99
25) 2-Butanone	6.81	43	367005	99.262	ug/l	98
26) 2,2-Dichloropropane	6.80	77	150951	19.459	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	104912	20.578	ug/l	98
28) Bromochloromethane	7.18	49	49750	18.639	ug/l	97
29) Tetrahydrofuran	7.19	42	251461	107.037	ug/l	98
30) Chloroform	7.35	83	179611	21.105	ug/l	99
31) Cyclohexane	7.63	56	151824	18.077	ug/l	93
32) 1,1,1-Trichloroethane	7.55	97	145586	20.347	ug/l	99
36) 1,1-Dichloropropene	7.77	75	126556	19.418	ug/l	99
37) Ethyl Acetate	6.90	43	147987	20.411	ug/l	96
38) Carbon Tetrachloride	7.75	117	124842	19.245	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	142699	18.865	ug/l	99
40) Benzene	8.02	78	393495	20.049	ug/l	99
41) Methacrylonitrile	7.15	41	58465m	18.544	ug/l	
42) 1,2-Dichloroethane	8.10	62	134069	19.917	ug/l	99
43) Isopropyl Acetate	8.15	43	237219	20.522	ug/l	98
44) Trichloroethene	8.82	130	97268	20.161	ug/l	98
45) 1,2-Dichloropropane	9.10	63	109317	20.506	ug/l	100
46) Dibromomethane	9.19	93	65379	19.681	ug/l	98
47) Bromodichloromethane	9.39	83	136021	20.506	ug/l	99
48) Methyl methacrylate	9.18	41	103540	20.026	ug/l	96
49) 1,4-Dioxane	9.18	88	32347	352.040	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	758071	115.906	ug/l	99
52) Toluene	10.15	92	239252	20.339	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	156447	20.414	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	169903	20.610	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	99468	20.893	ug/l	99
56) Ethyl methacrylate	10.42	69	150457	20.112	ug/l	98
57) 1,3-Dichloropropane	10.70	76	171780	20.965	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	286168	108.009	ug/l	99
59) 2-Hexanone	10.74	43	543972	108.359	ug/l	99
60) Dibromochloromethane	10.90	129	105108	20.882	ug/l	99
61) 1,2-Dibromoethane	11.00	107	99307	20.606	ug/l	98
64) Tetrachloroethene	10.63	164	84375	20.019	ug/l	98
65) Chlorobenzene	11.43	112	253288	20.962	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	97344	21.476	ug/l	99
67) Ethyl Benzene	11.51	91	457961	21.362	ug/l	99
68) m/p-Xylenes	11.62	106	338906	42.203	ug/l	99
69) o-Xylene	11.95	106	164489	21.195	ug/l	99
70) Styrene	11.96	104	258107	21.147	ug/l	99
71) Bromoform	12.13	173	75159	21.318	ug/l #	99
73) Isopropylbenzene	12.25	105	443962	21.692	ug/l	99
74) N-amyl acetate	12.07	43	182675	21.064	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	154036	22.100	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	137278m	21.430	ug/l	
77) Bromobenzene	12.53	156	106917	20.793	ug/l	99
78) n-propylbenzene	12.59	91	502161	21.428	ug/l	99
79) 2-Chlorotoluene	12.67	91	304084	20.917	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	368318	21.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	49887	20.570	ug/l	99
82) 4-Chlorotoluene	12.77	91	306447	21.017	ug/l	99
83) tert-Butylbenzene	12.99	119	325018	21.702	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	369793	22.039	ug/l	98
85) sec-Butylbenzene	13.17	105	426648	21.904	ug/l	99
86) p-Isopropyltoluene	13.29	119	375219	21.817	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	186616	21.193	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	180734	20.515	ug/l	99
89) n-Butylbenzene	13.62	91	313857	20.851	ug/l	99
90) Hexachloroethane	13.88	117	69430	20.105	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	186383	21.517	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30445	21.909	ug/l	99

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	98915	20.721	ug/l	98
94) Hexachlorobutadiene	15.01	225	64291	21.526	ug/l	99
95) Naphthalene	15.13	128	266942	20.238	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	98296	20.249	ug/l	97

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

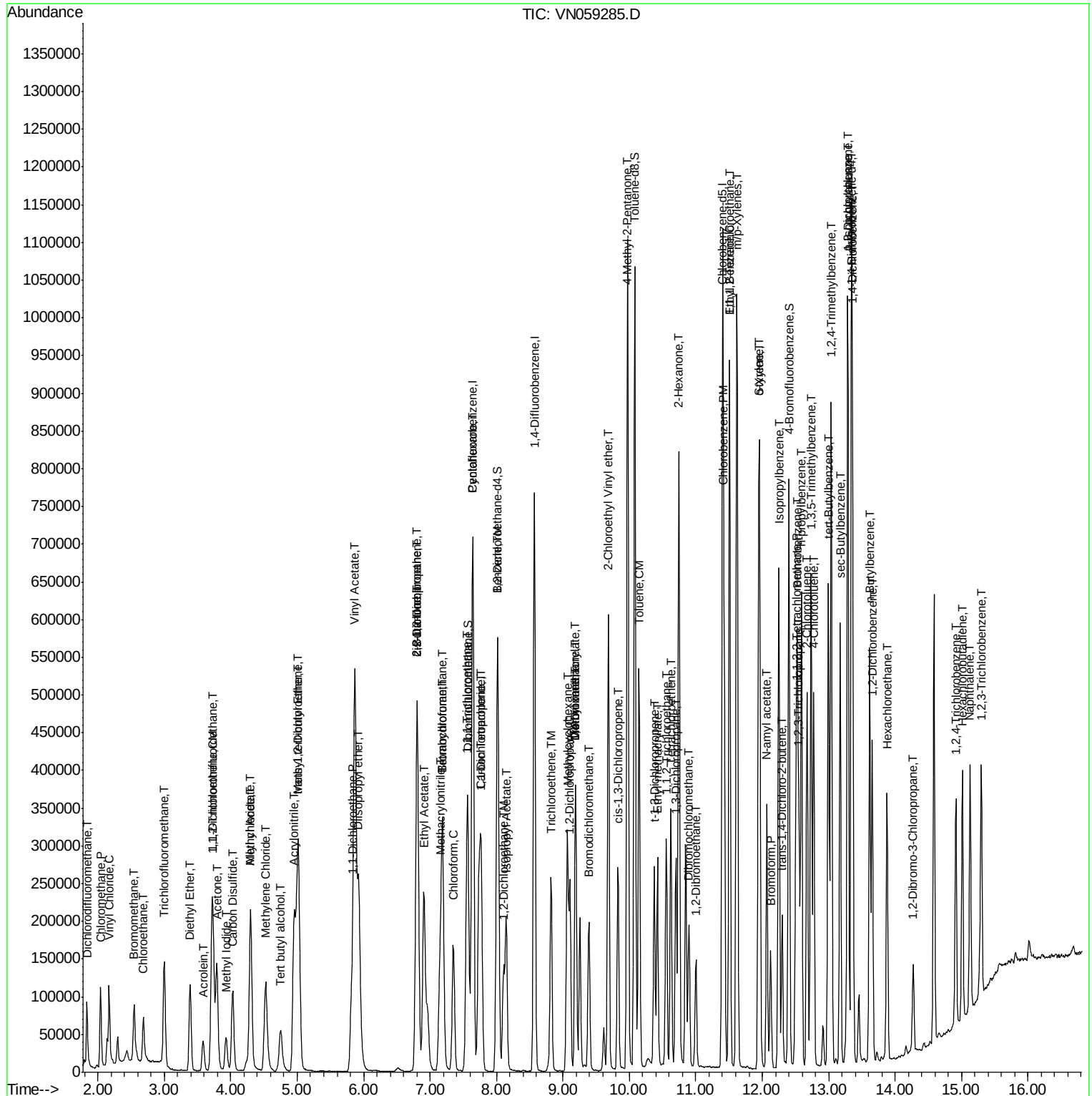
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Data File : VN059285.D
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Operator : JC/SP
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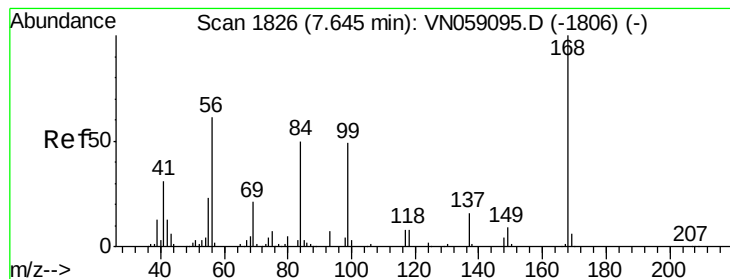
Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBSD01

Tot Ion:168 Resp: 438864

Ion Ratio Lower Upper

168 100

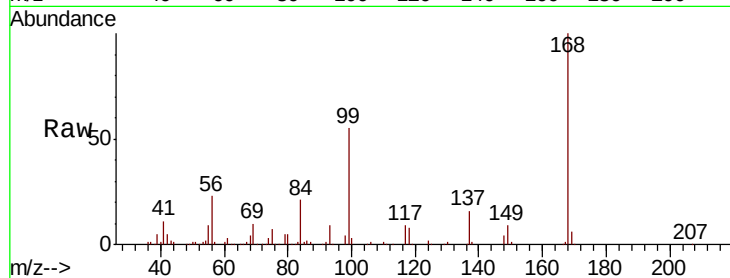
99 54.5 45.7 68.5

Manual Integrations

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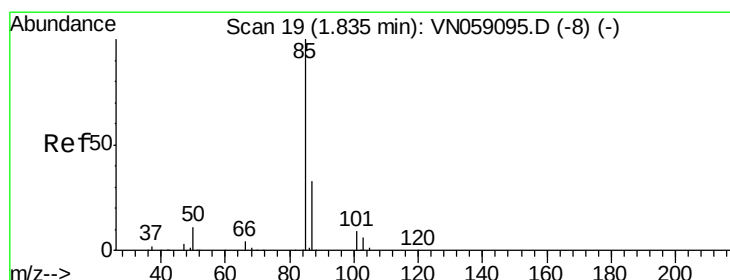
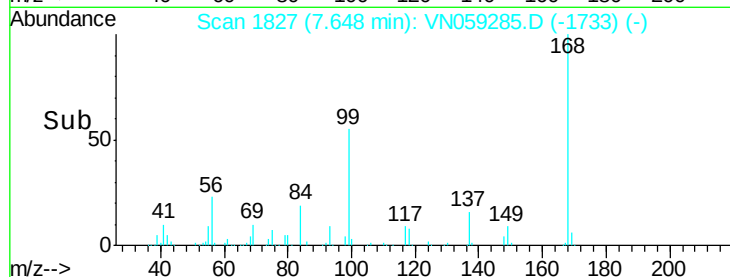
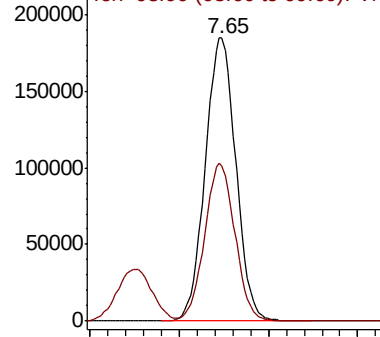
MMDADODA

11/19/2019 11:03:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 16.687 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059285.D

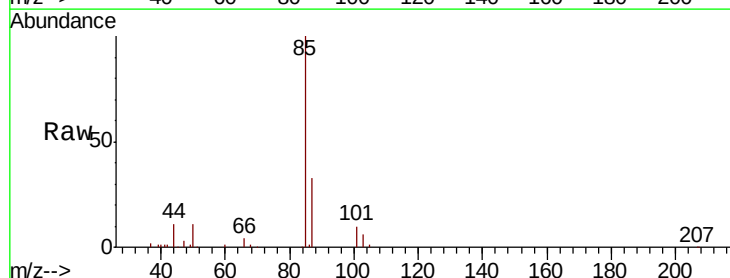
Acq: 18 Nov 2019 15:44

Tgt Ion: 85 Resp: 73785

Ion Ratio Lower Upper

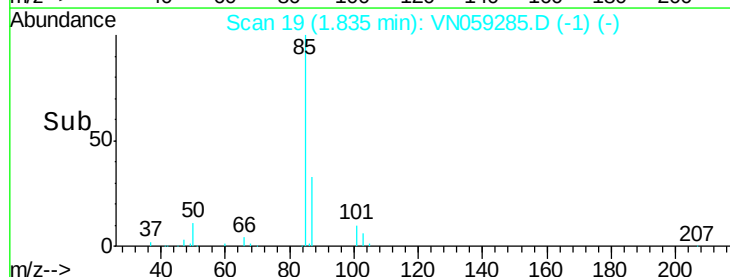
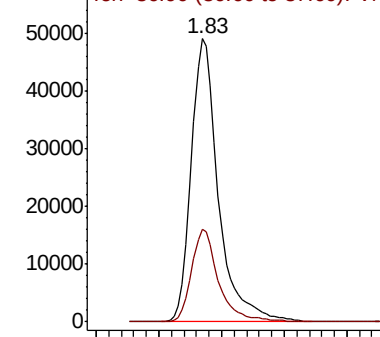
85 100

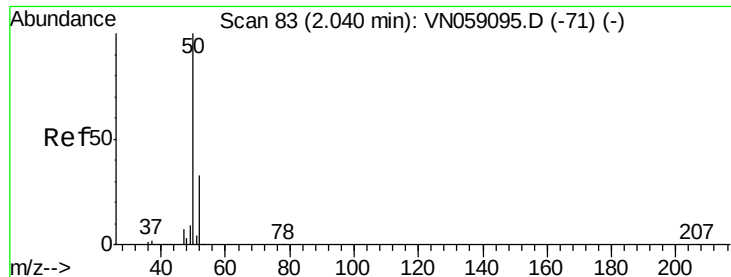
87 32.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.137 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBSD01

Tot Ion: 50 Resp: 96992

Ion Ratio Lower Upper

50 100

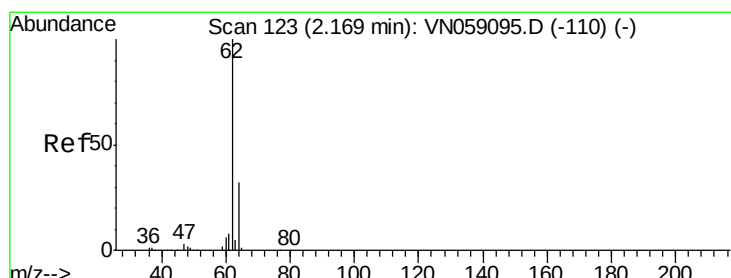
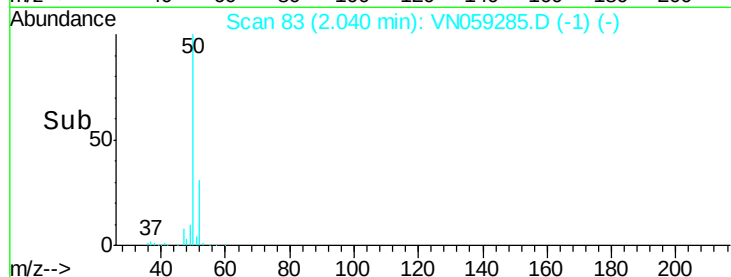
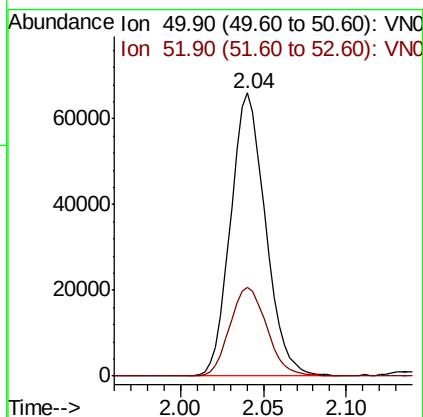
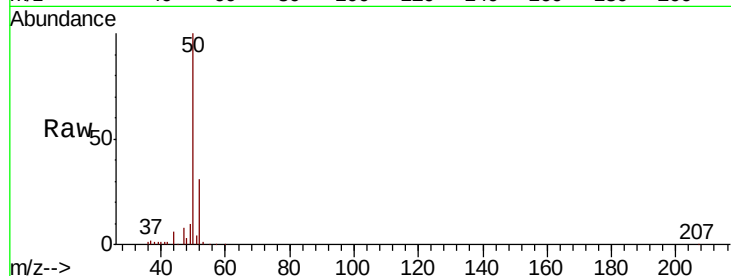
52 31.5 26.0 39.0

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#4

Vinyl Chloride

Concen: 17.470 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059285.D

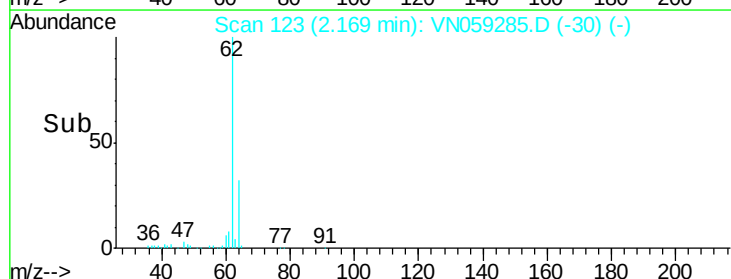
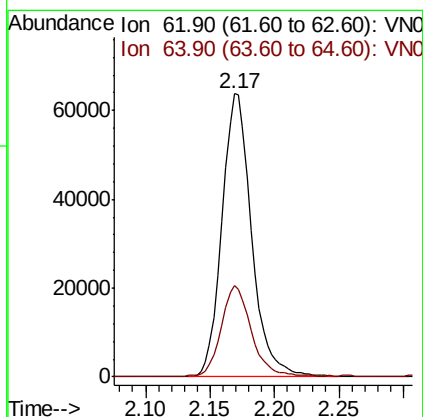
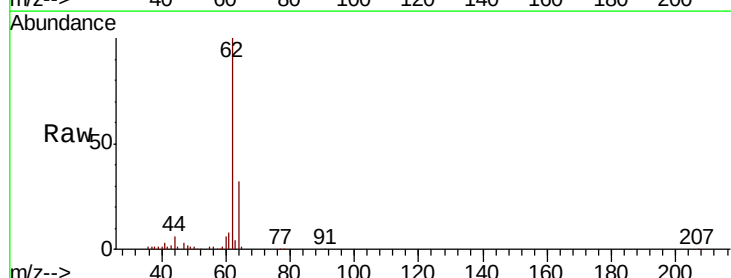
Acq: 18 Nov 2019 15:44

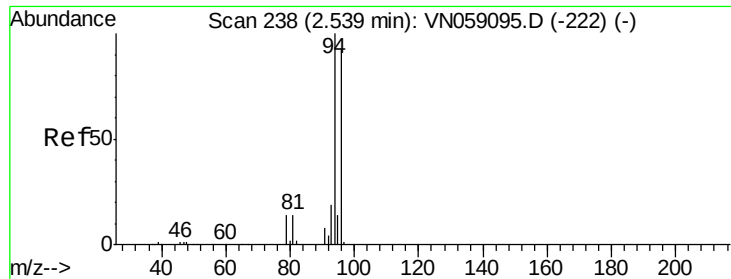
Tgt Ion: 62 Resp: 101806

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





#5

Bromomethane

Concen: 17.093 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

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Tot Ion: 94 Resp: 57322

Ion Ratio Lower Upper

94 100

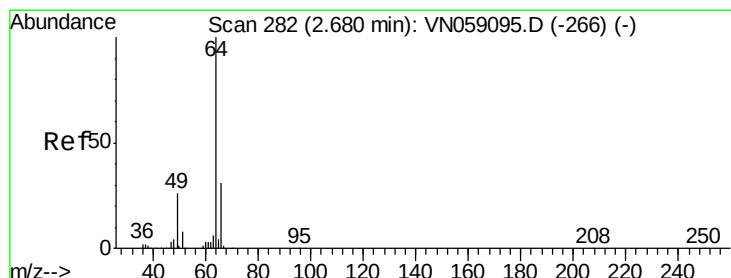
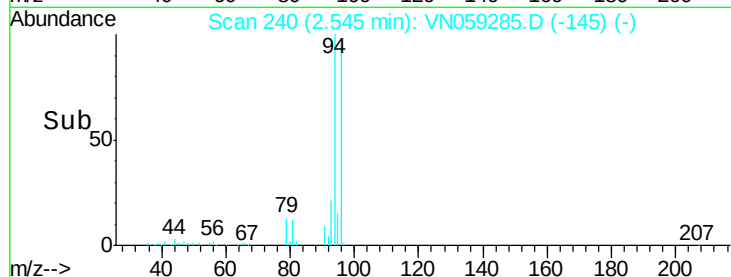
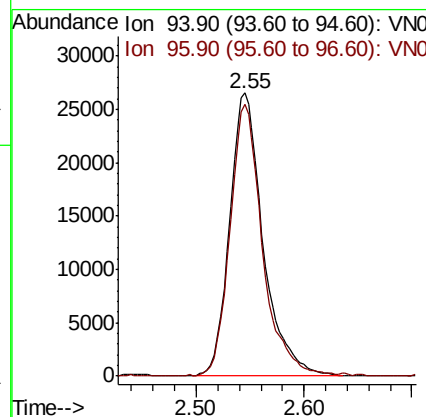
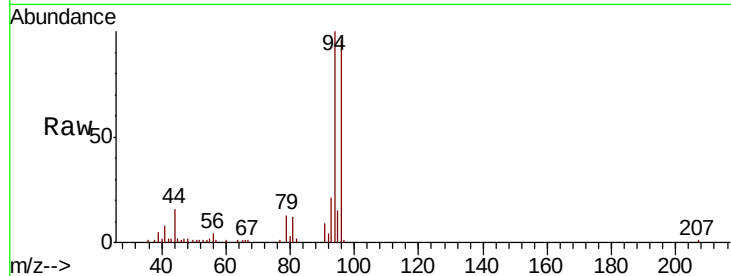
96 95.9 74.2 111.2

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#6

Chloroethane

Concen: 18.224 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059285.D

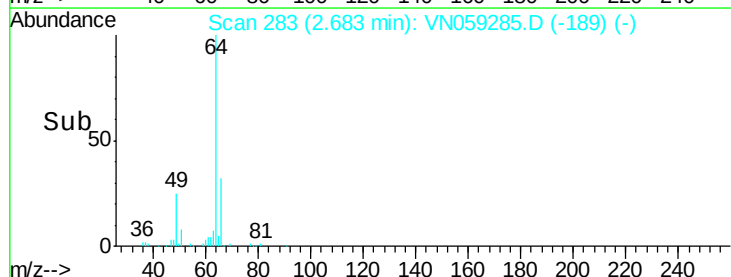
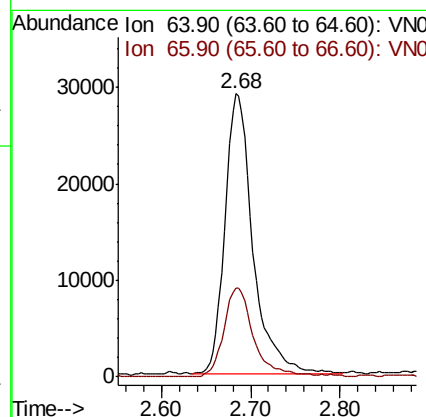
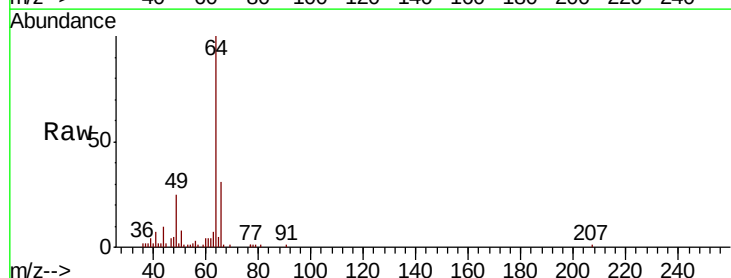
Acq: 18 Nov 2019 15:44

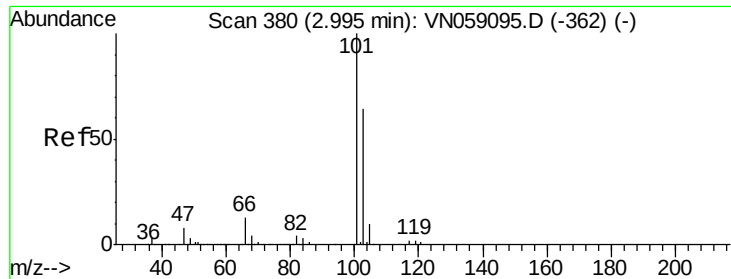
Tgt Ion: 64 Resp: 62822

Ion Ratio Lower Upper

64 100

66 31.6 25.2 37.8





#7

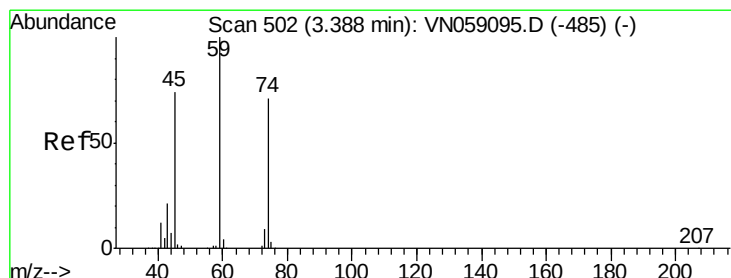
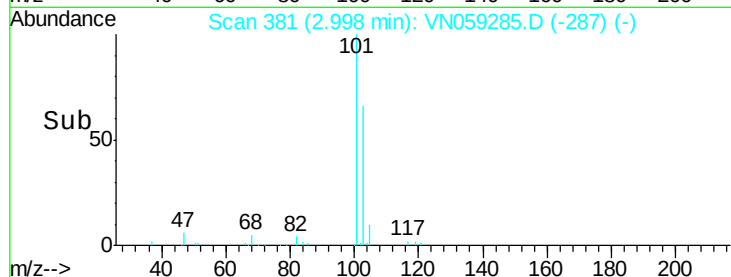
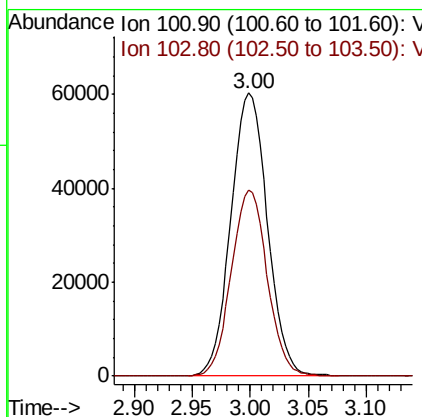
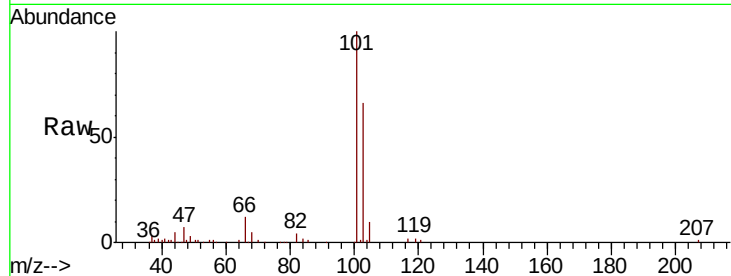
Trichlorofluoromethane
Concen: 18.976 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.2	76.8

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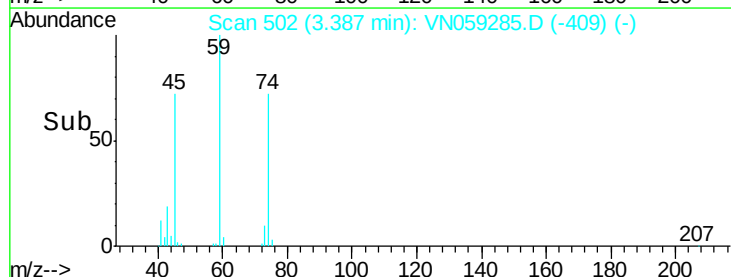
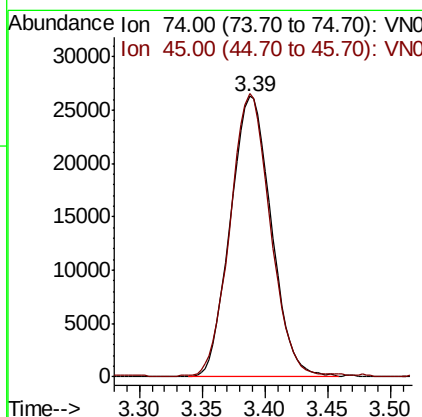
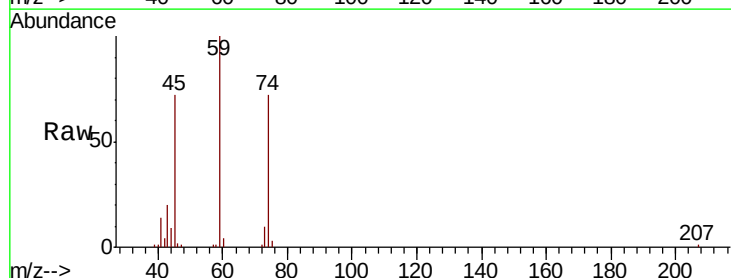
MMDADODA
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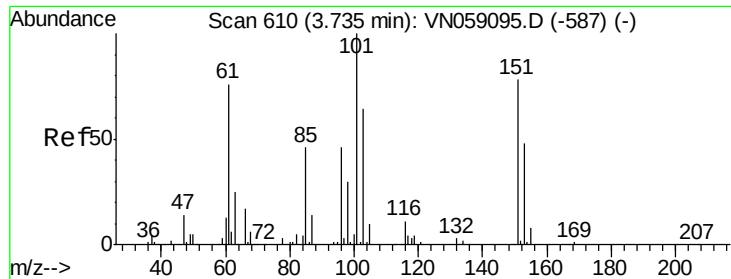


#8

Diethyl Ether
Concen: 21.078 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.571 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

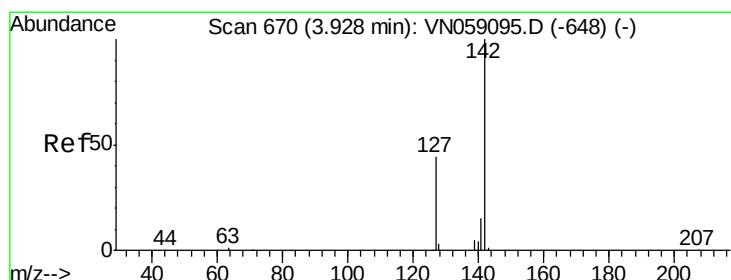
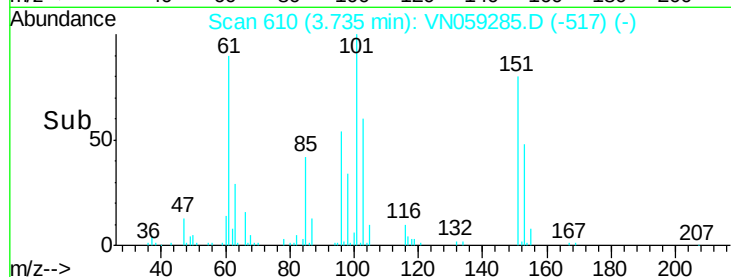
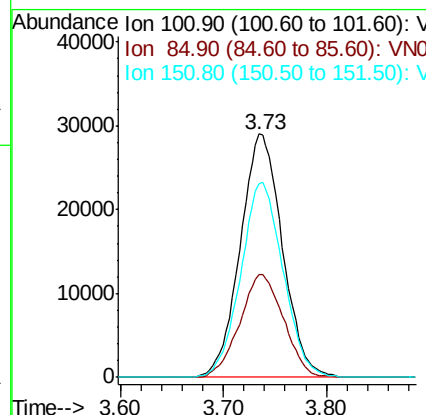
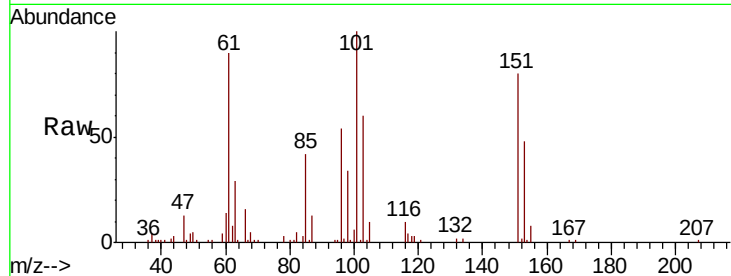
ClientSampleId :

VN1118WBSD01

Tot Ion:	101	Resp:	82249
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.5	53.3
151	80.7	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 14.516 ug/l

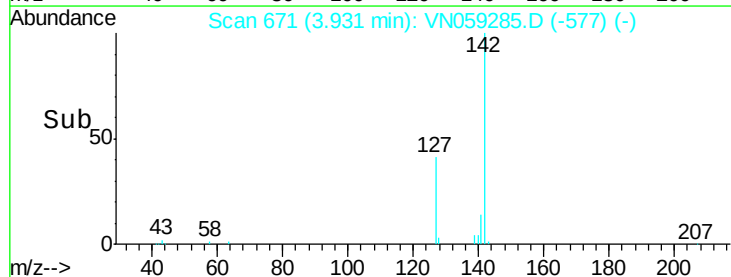
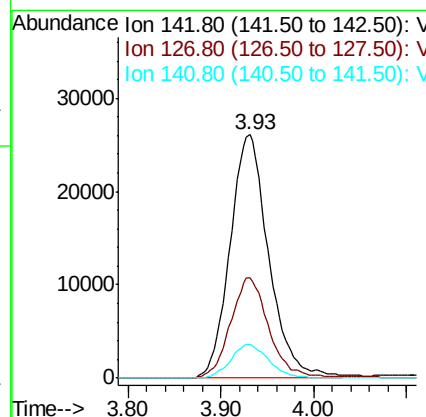
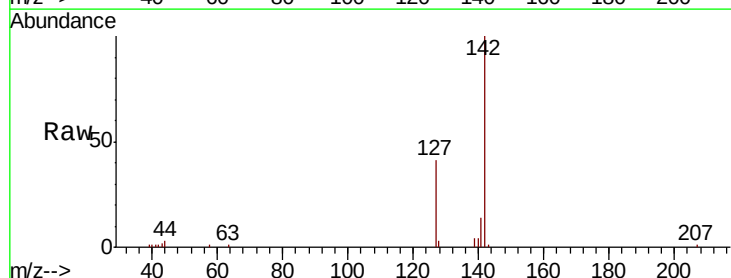
RT: 3.93 min Scan# 671

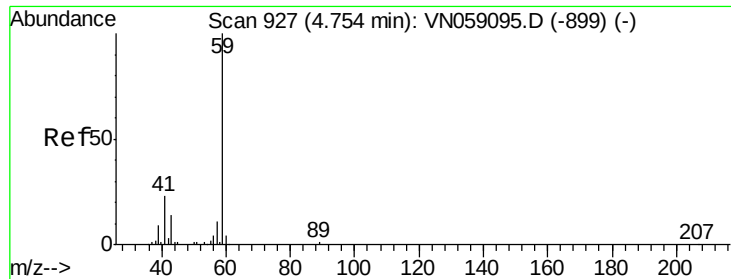
Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Tgt Ion:	142	Resp:	75510
Ion Ratio	Lower	Upper	
142	100		
127	40.7	34.2	51.2
141	13.5	11.4	17.0





#11

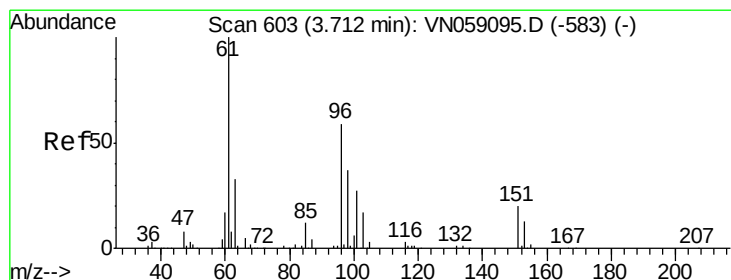
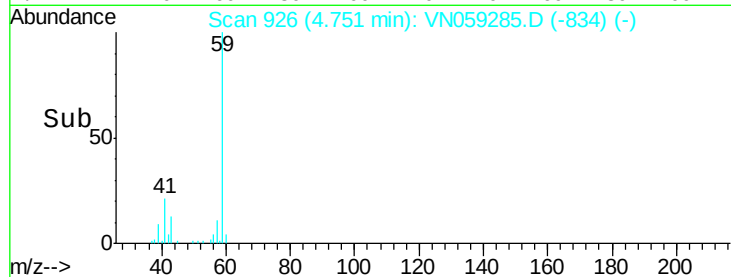
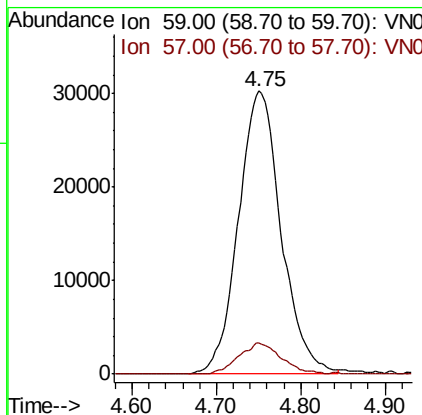
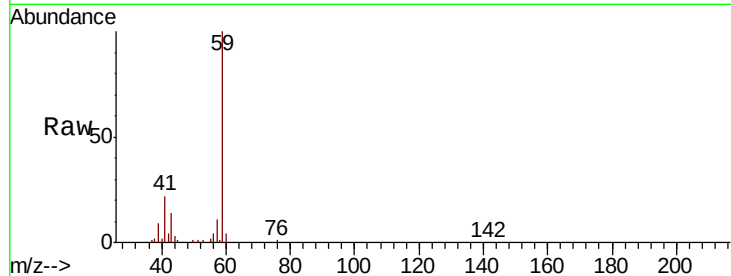
Tert butyl alcohol
 Concen: 103.556 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.3	12.5

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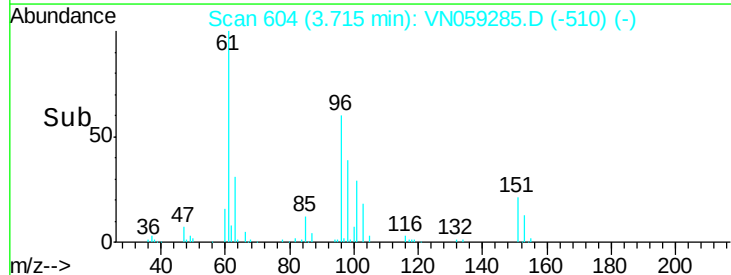
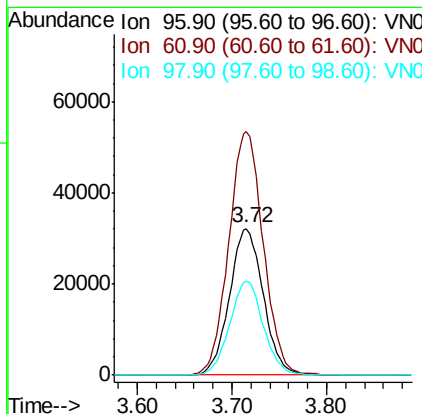
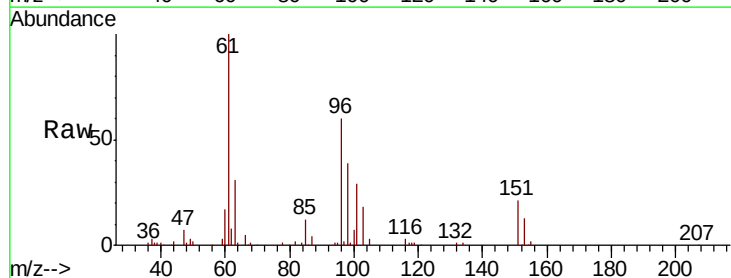
MMDADODA
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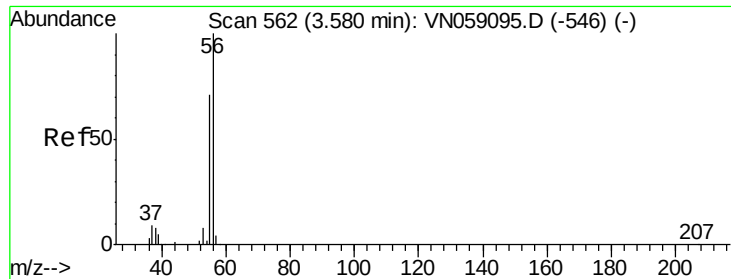


#12

1,1-Dichloroethene
 Concen: 19.537 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.9	136.5	204.7
98	64.3	50.2	75.4





#13

Acrolein

Concen: 86.985 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBSD01

Tot Ion: 56 Resp: 46109

Ion Ratio Lower Upper

56 100

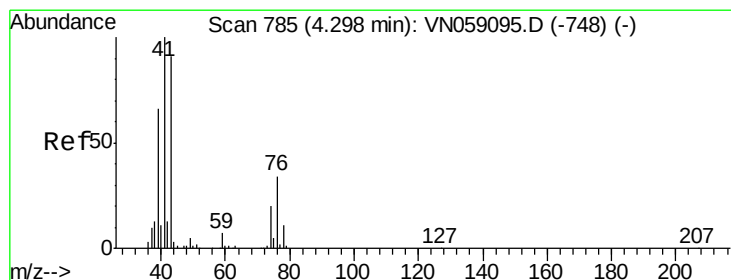
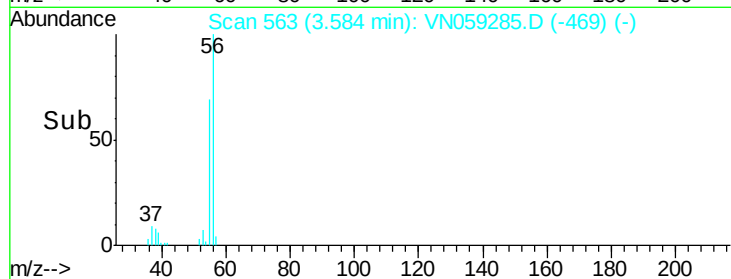
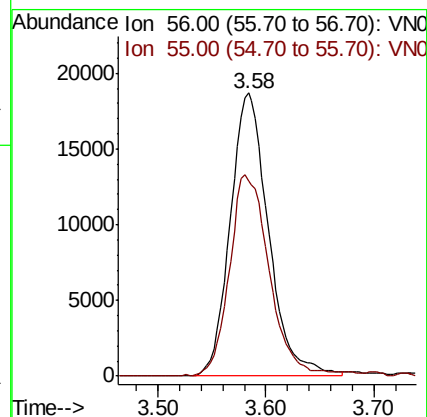
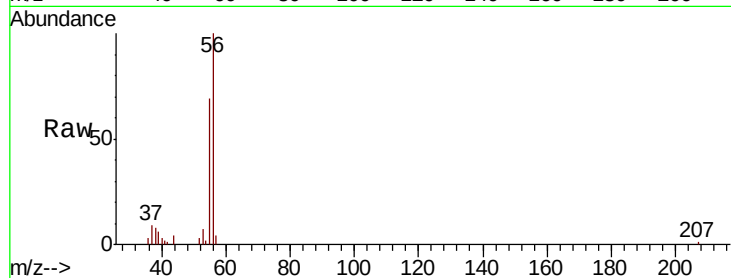
55 73.0 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 18.980 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

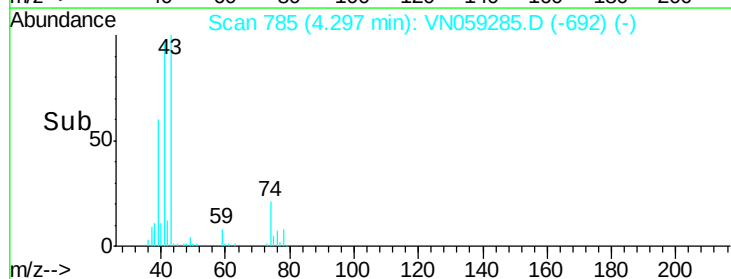
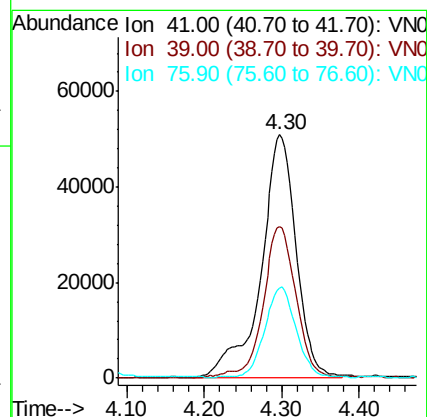
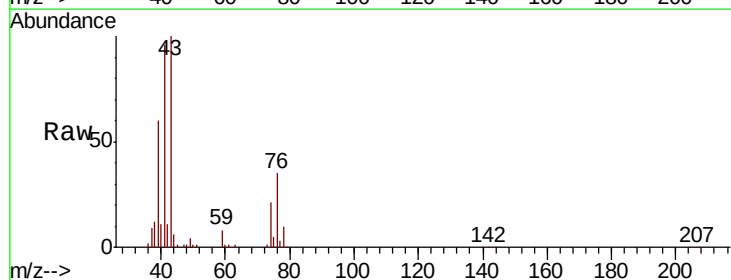
Tgt Ion: 41 Resp: 159613

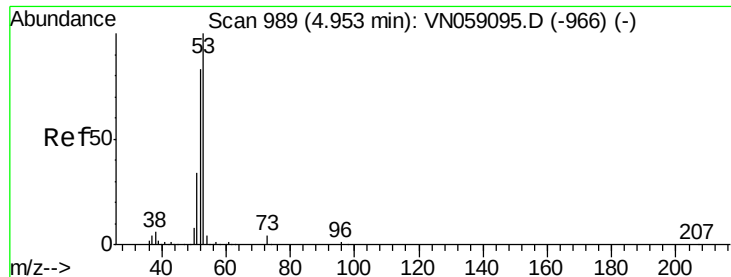
Ion Ratio Lower Upper

41 100

39 55.4 49.1 73.7

76 33.0 24.9 37.3





#15

Acrylonitrile

Concen: 110.601 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

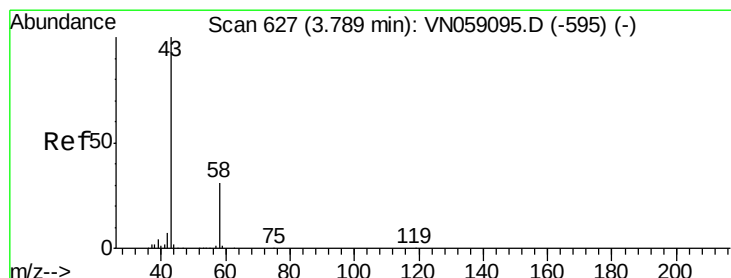
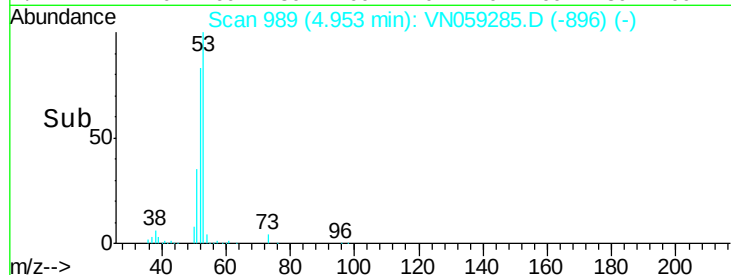
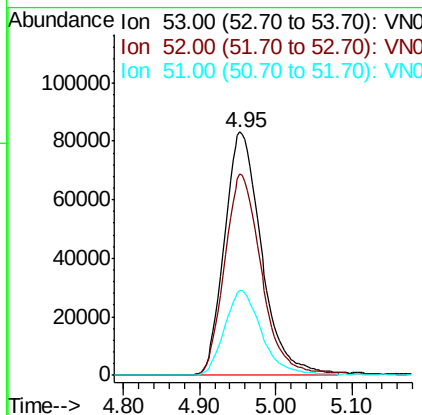
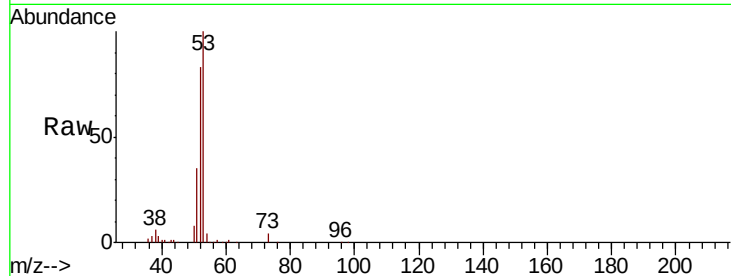
ClientSampleId :

VN1118WBSD01

Tot Ion:	53	Resp:	282990
Ion Ratio		Lower	Upper
53	100		
52	81.2	65.0	97.6
51	35.0	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 81.366 ug/l

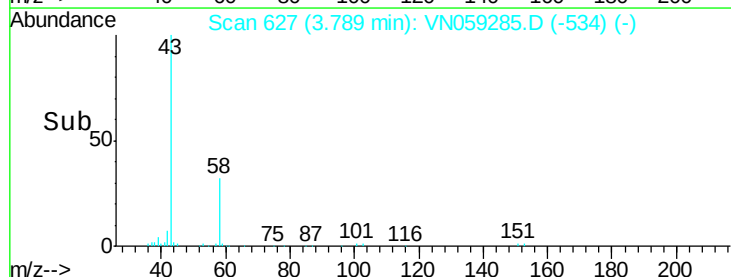
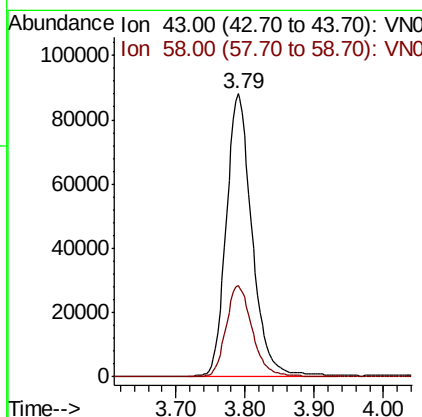
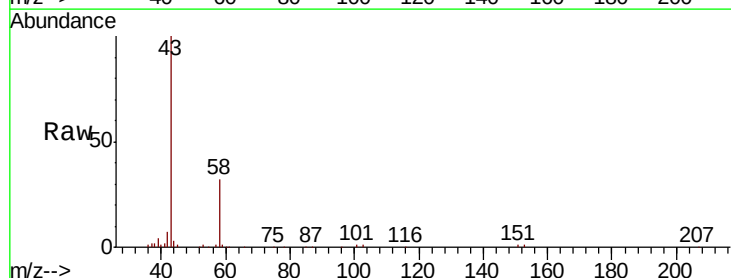
RT: 3.79 min Scan# 627

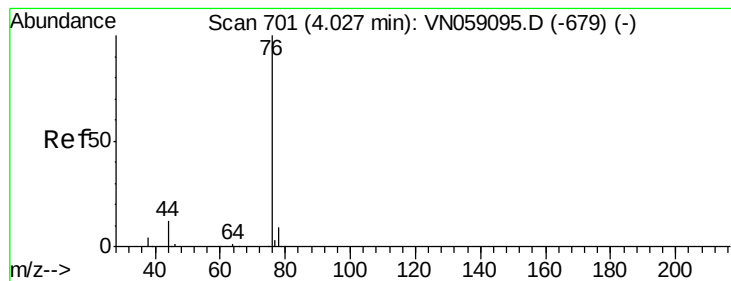
Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Tgt Ion:	43	Resp:	228263
Ion Ratio		Lower	Upper
43	100		
58	32.5	24.9	37.3





#17

Carbon Disulfide

Concen: 16.837 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBSD01

Tot Ion: 76 Resp: 213974

Ion Ratio Lower Upper

76 100

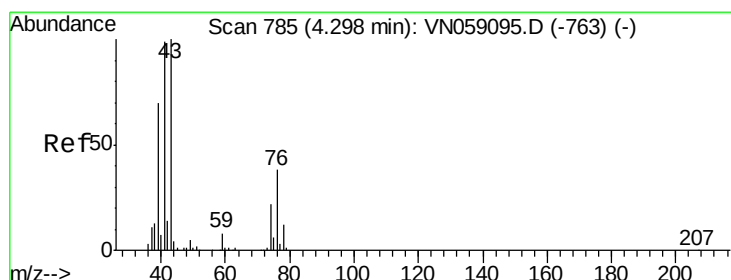
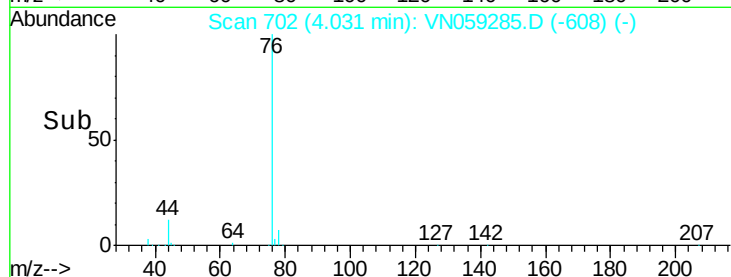
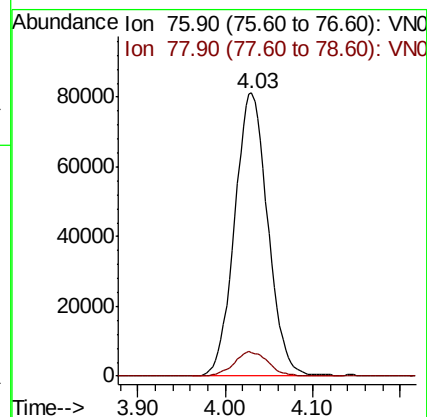
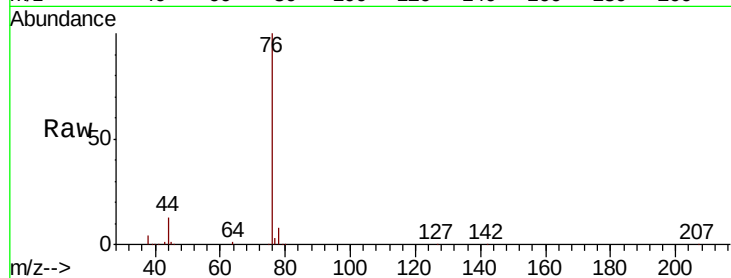
78 8.3 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 22.511 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059285.D

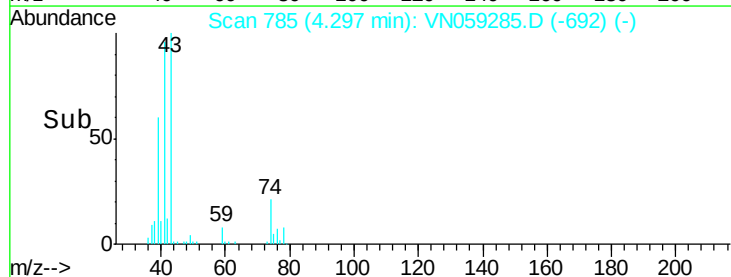
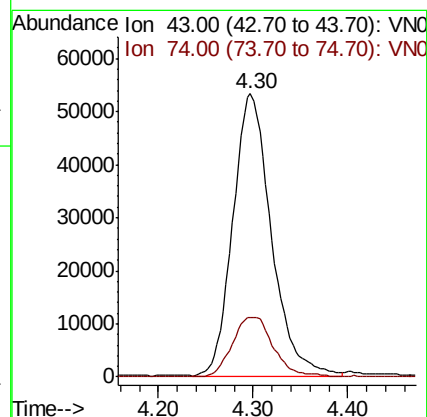
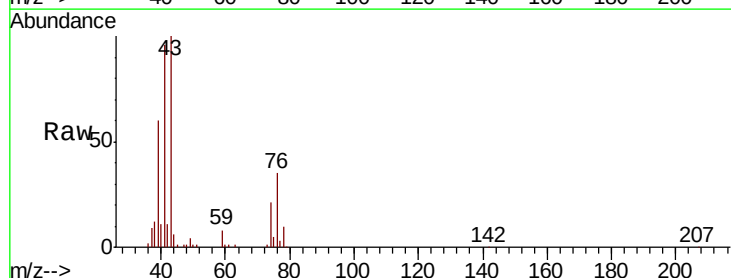
Acq: 18 Nov 2019 15:44

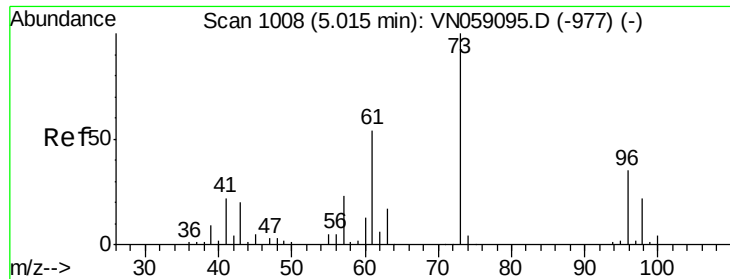
Tgt Ion: 43 Resp: 149898

Ion Ratio Lower Upper

43 100

74 22.7 17.8 26.8





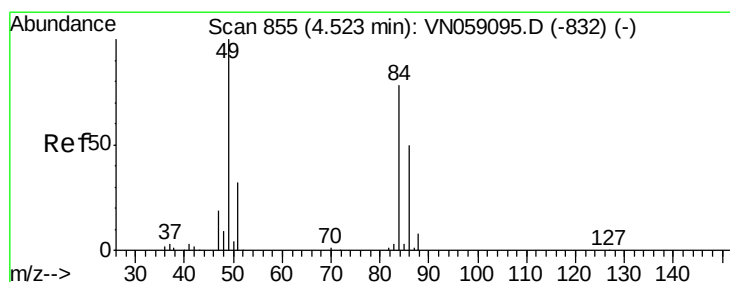
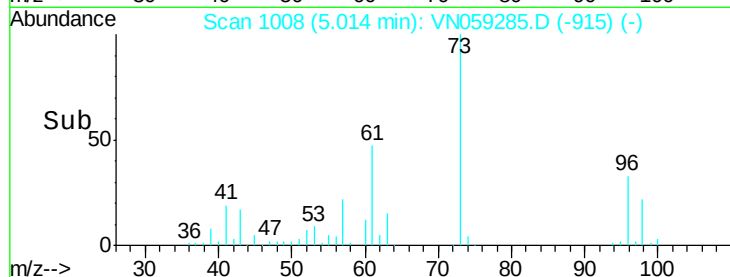
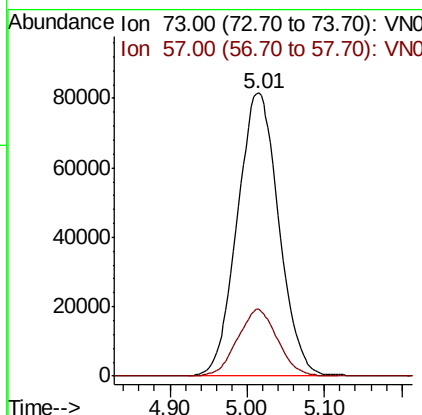
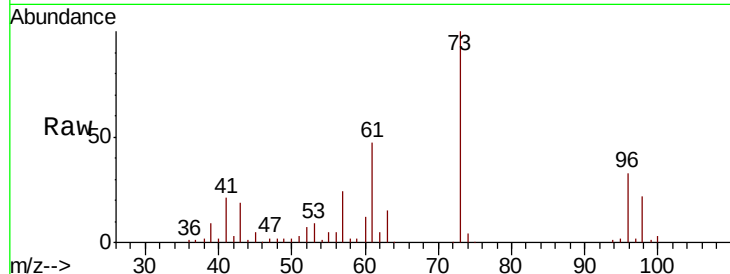
#19
Methyl tert-butyl Ether
Concen: 21.637 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion: 73 Resp: 304972
Ion Ratio Lower Upper
73 100
57 23.6 18.4 27.6

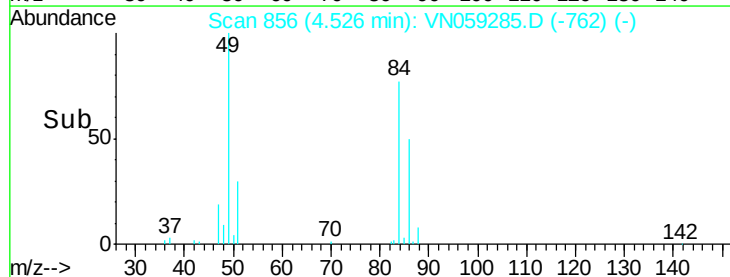
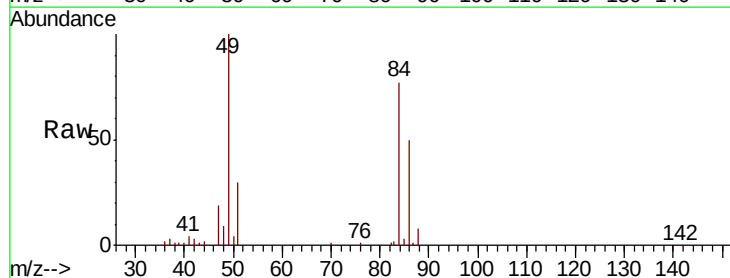
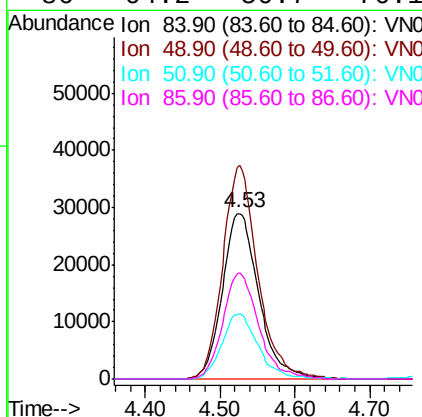
Manual Integrations
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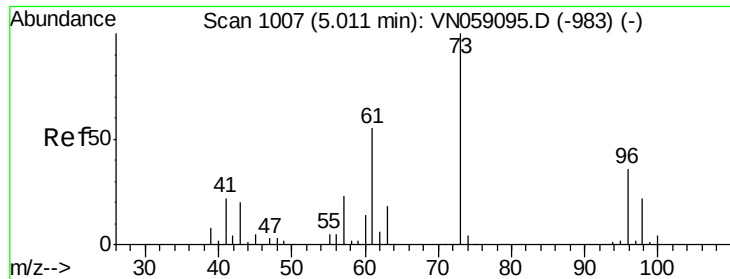
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#20
Methylene Chloride
Concen: 19.959 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion: 84 Resp: 97550
Ion Ratio Lower Upper
84 100
49 129.2 102.0 153.0
51 39.2 32.2 48.2
86 64.2 50.7 76.1





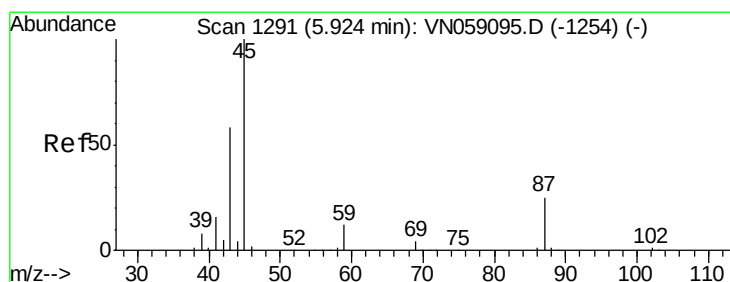
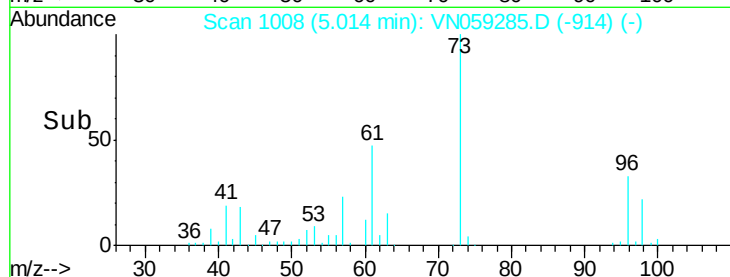
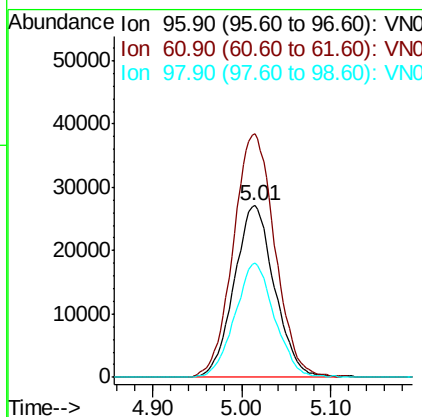
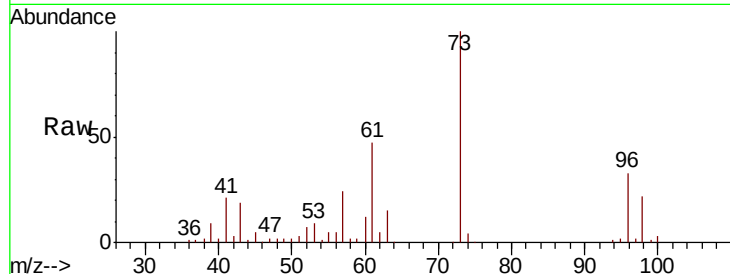
#21
trans-1,2-Dichloroethene
Concen: 19.398 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.8	122.6	183.8
98	66.4	50.3	75.5

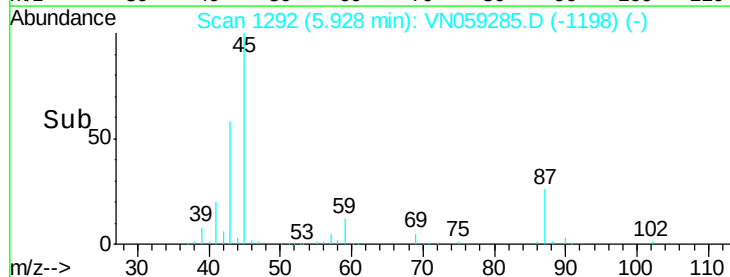
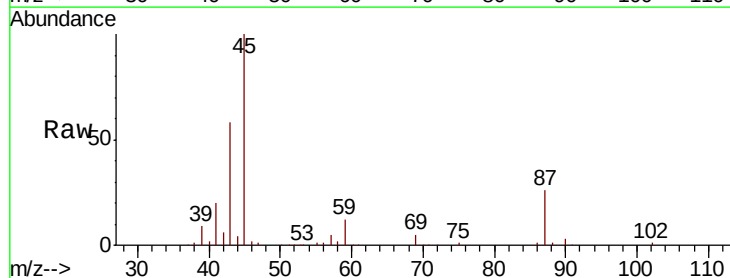
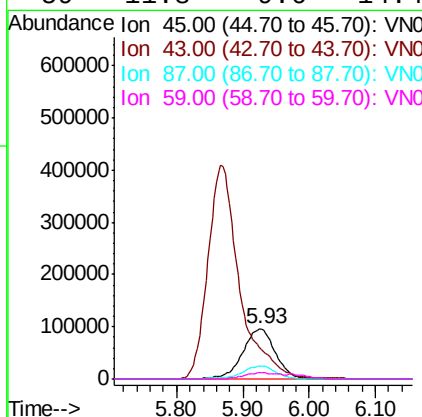
Manual Integrations
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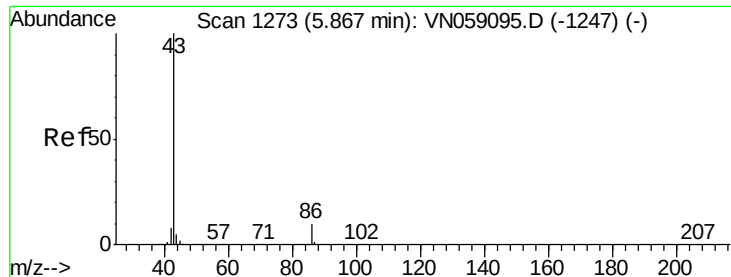
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#22
Diisopropyl ether
Concen: 20.652 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.0	46.7	70.1
87	26.3	20.5	30.7
59	11.8	9.6	14.4





#23

Vinyl Acetate

Concen: 110.382 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBSD01

Tot Ion: 43 Resp: 1358866

Ion Ratio Lower Upper

43 100

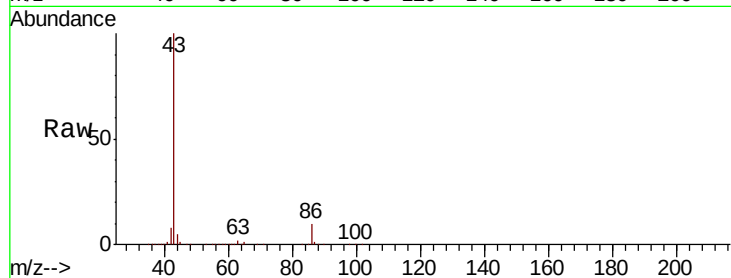
86 9.9 7.7 11.5

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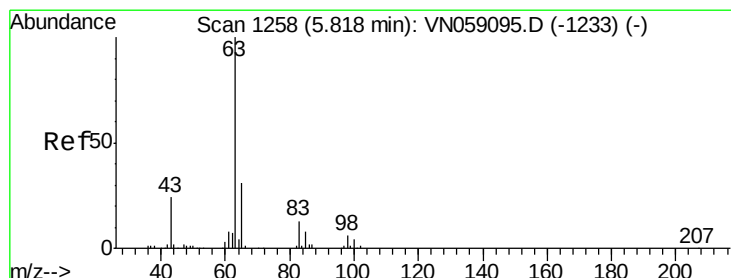
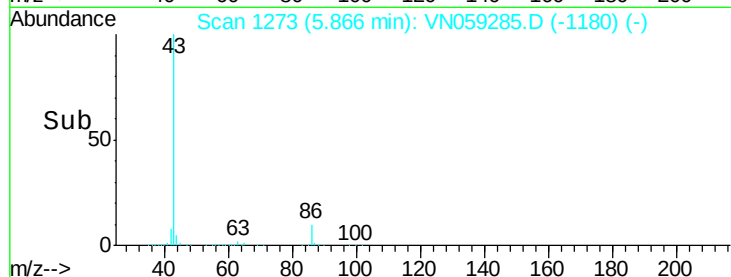
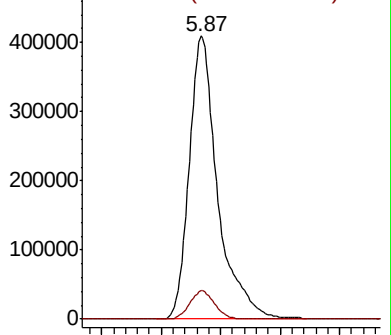
MMDADODA

11/19/2019 11:03:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.294 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

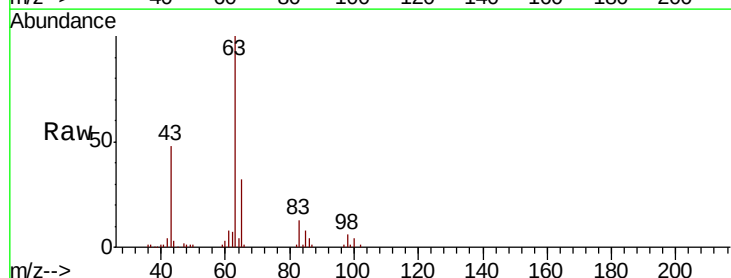
Tgt Ion: 63 Resp: 180046

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

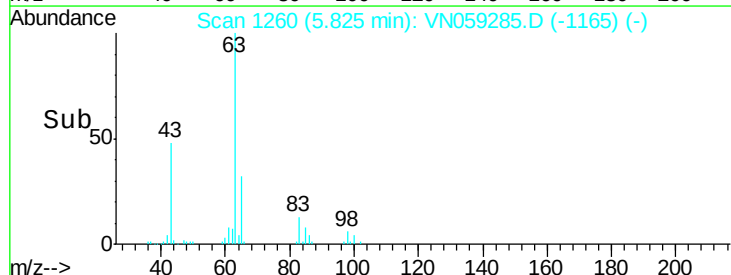
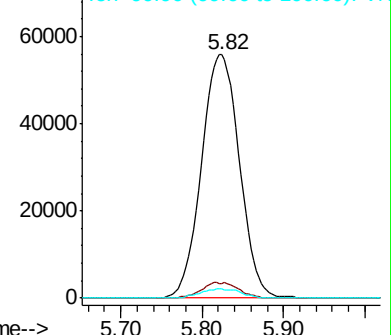
100 3.7 1.9 5.7

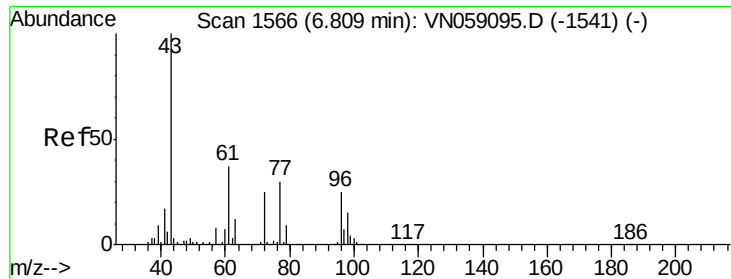


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 99.262 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBSD01

Tot Ion: 43 Resp: 367005

Ion Ratio Lower Upper

43 100

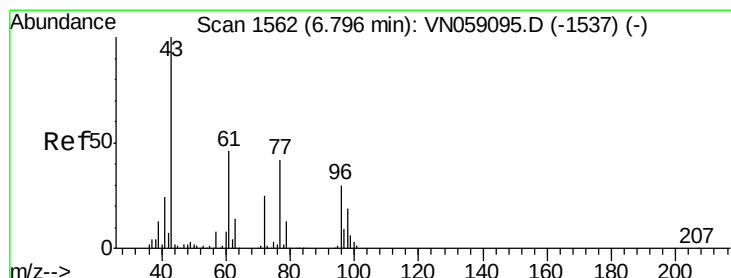
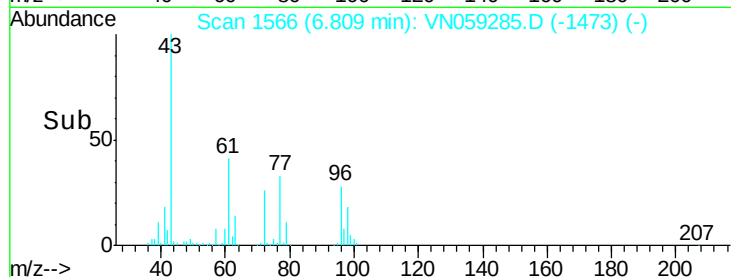
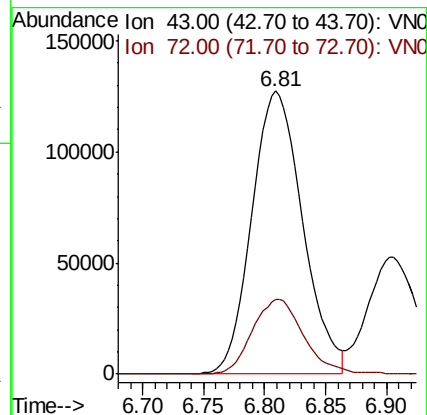
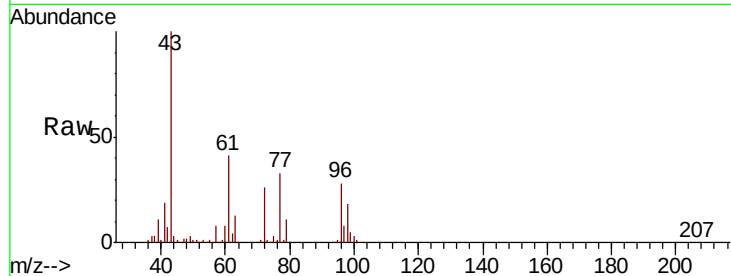
72 26.4 20.3 30.5

Manual Integrations

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MMDADODA

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#26

2,2-Dichloropropane

Concen: 19.459 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059285.D

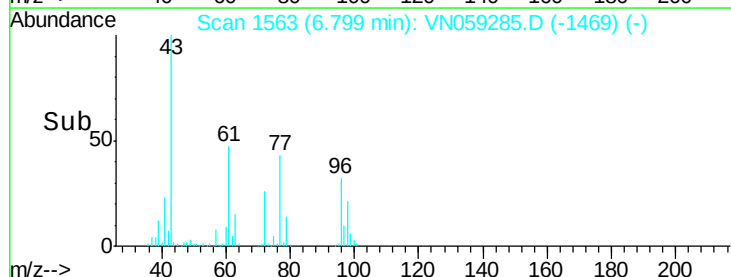
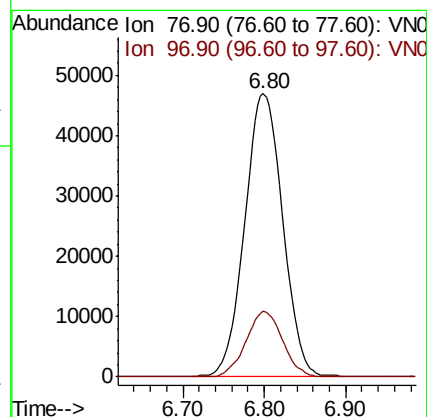
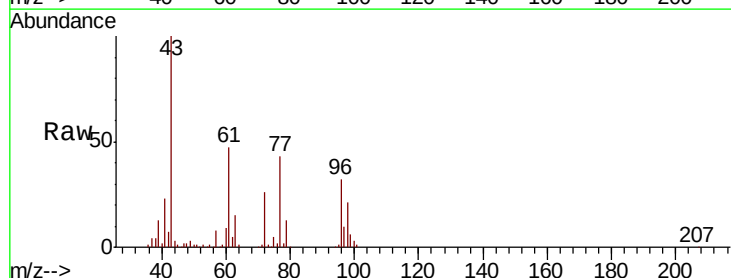
Acq: 18 Nov 2019 15:44

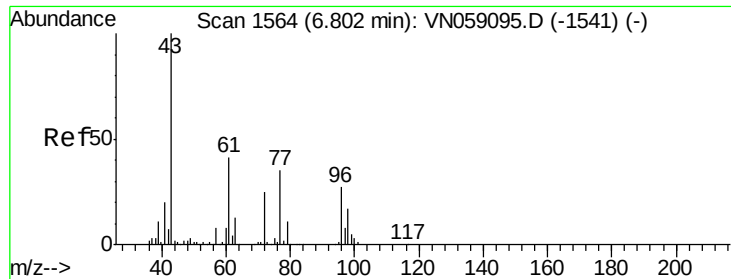
Tgt Ion: 77 Resp: 150951

Ion Ratio Lower Upper

77 100

97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.578 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

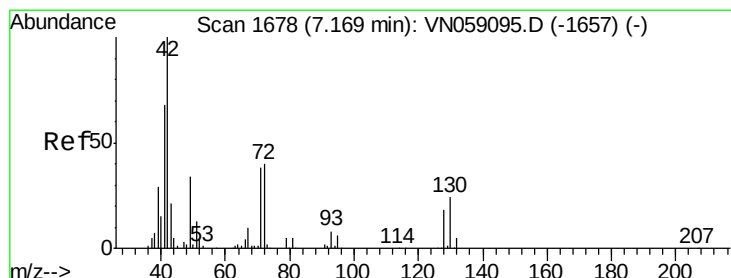
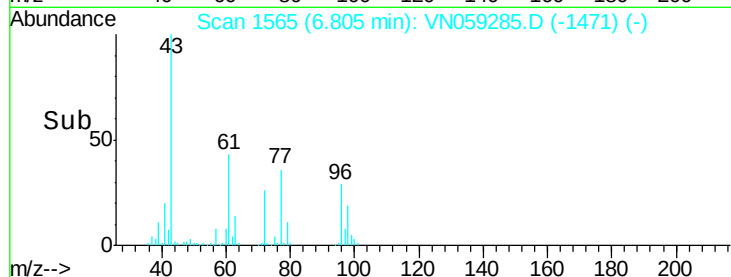
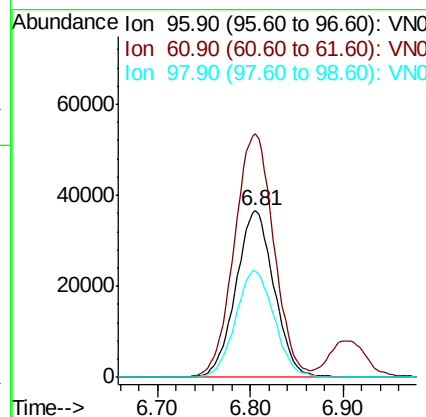
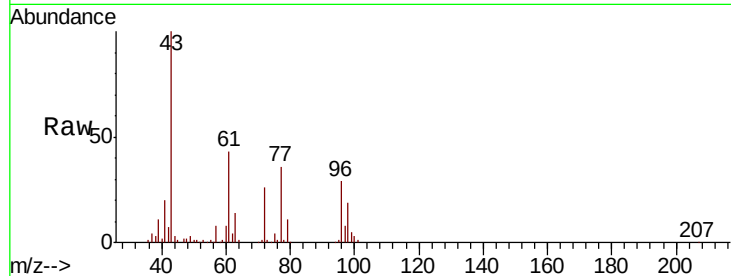
ClientSampleId :

VN1118WBSD01

Tot Ion:	96	Resp:	104912
Ion Ratio	Lower	Upper	
96	100		
61	151.3	0.0	311.6
98	64.8	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 18.639 ug/l

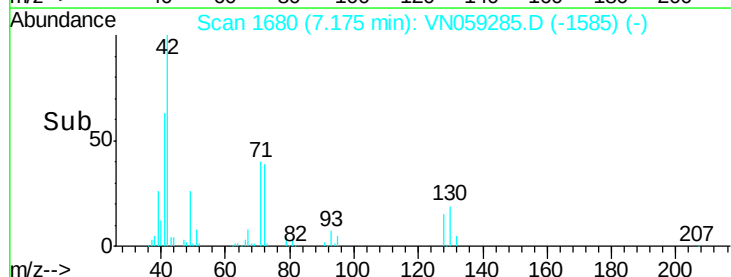
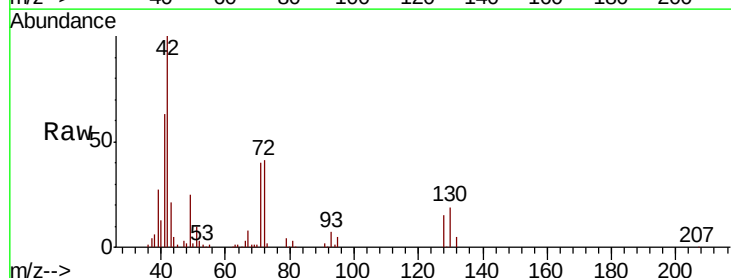
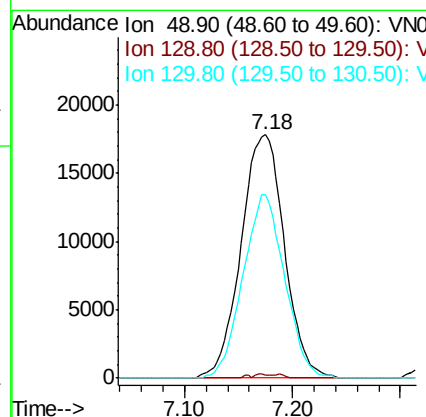
RT: 7.18 min Scan# 1680

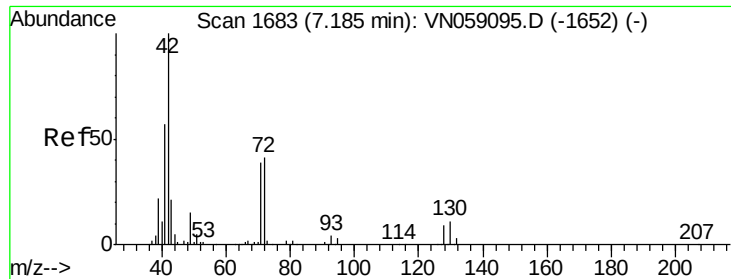
Delta R.T. 0.01 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Tgt Ion:	49	Resp:	49750
Ion Ratio	Lower	Upper	
49	100		
129	0.5	0.0	3.8
130	72.2	55.6	83.4





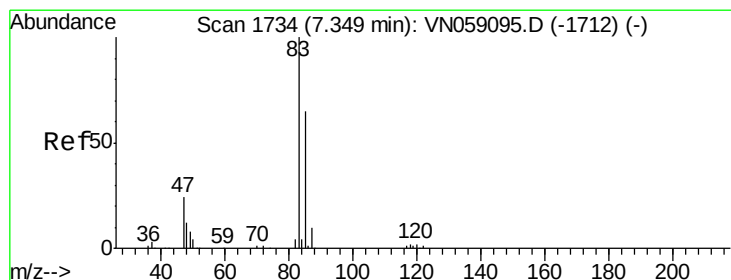
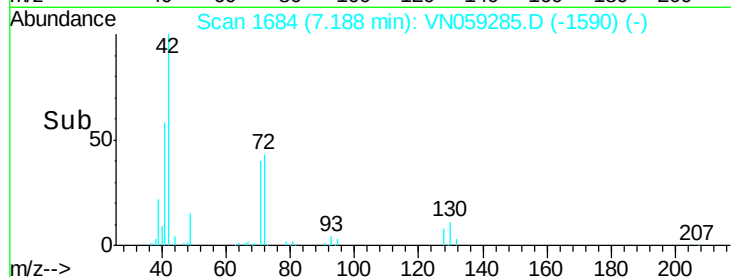
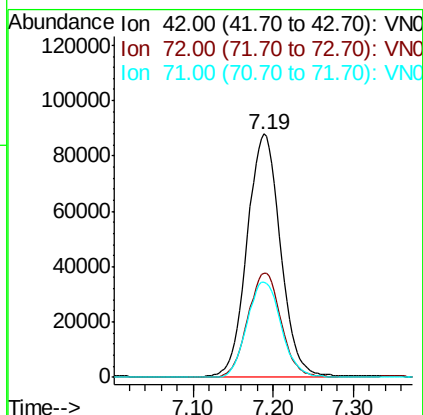
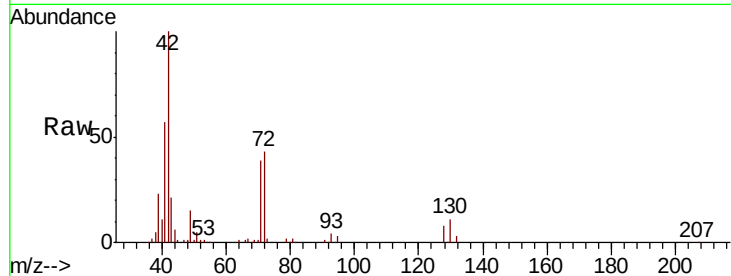
#29
Tetrahydrofuran
Concen: 107.037 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.1	49.7
71	39.9	30.9	46.3

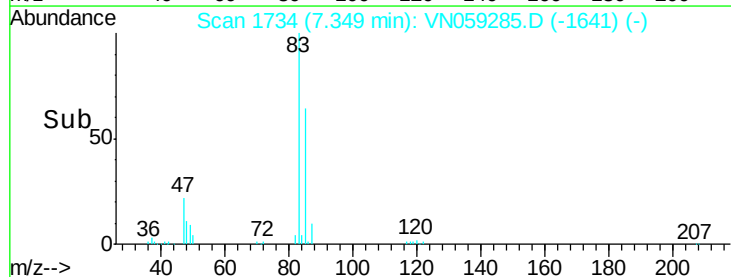
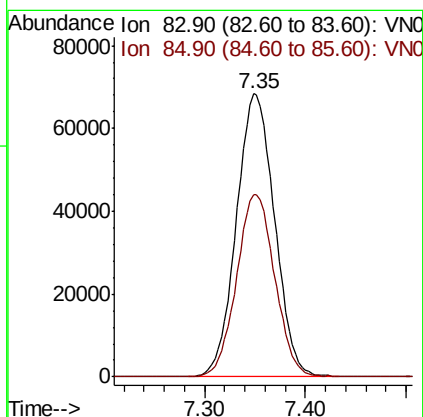
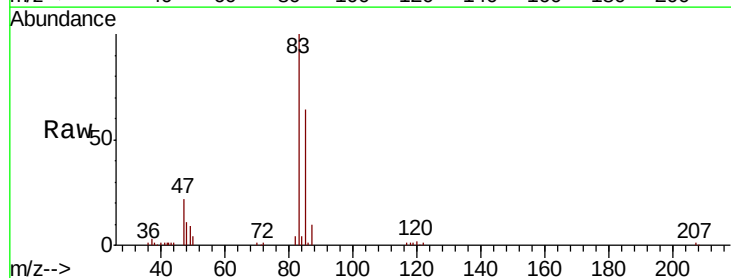
Manual Integrations
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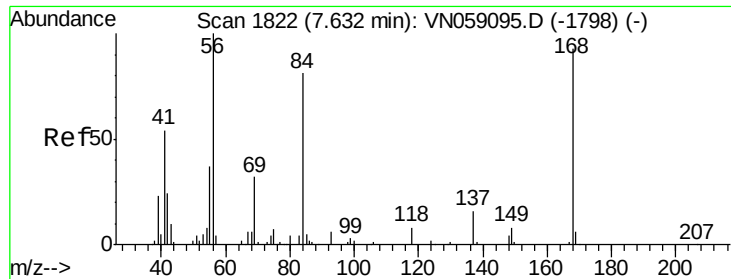
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#30
Chloroform
Concen: 21.105 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8





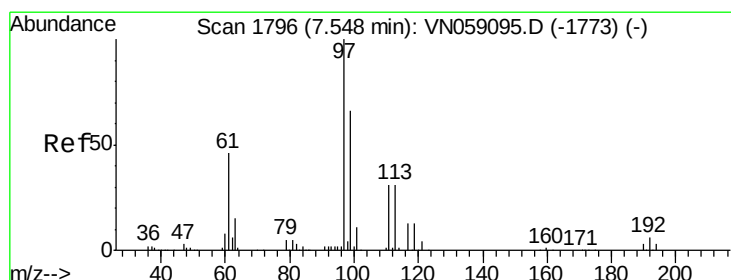
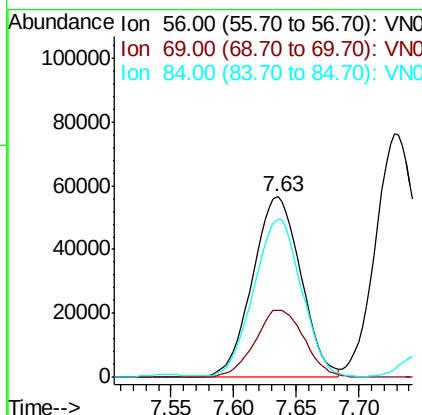
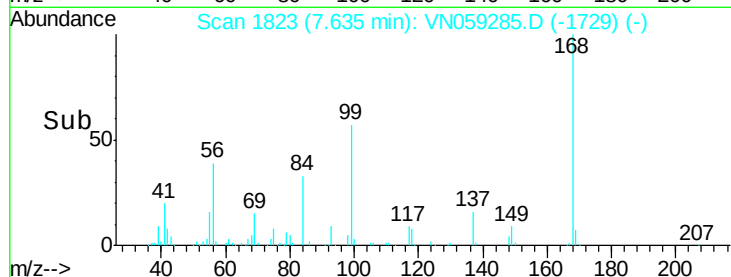
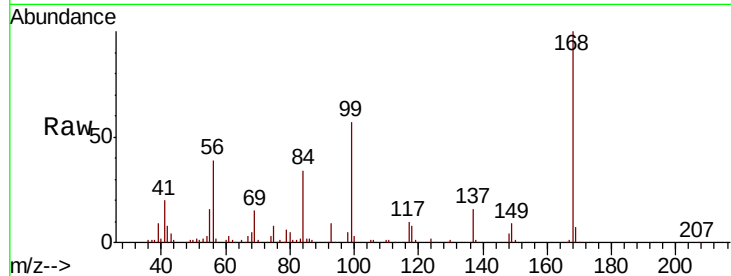
#31
Cyclohexane
Concen: 18.077 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	25.8	38.8
84	87.0	65.0	97.4

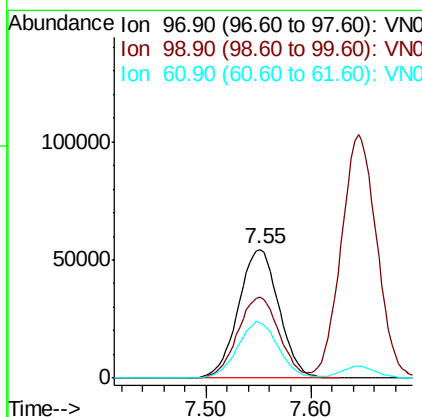
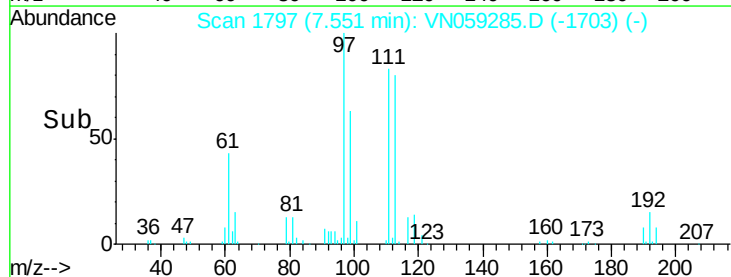
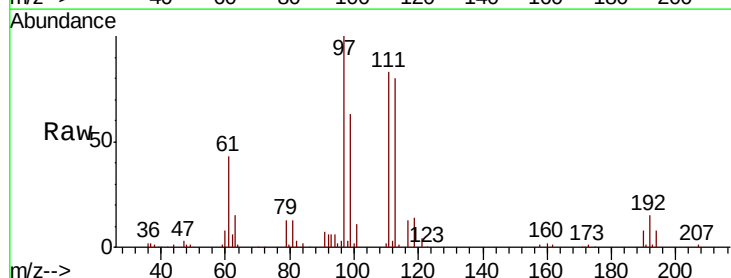
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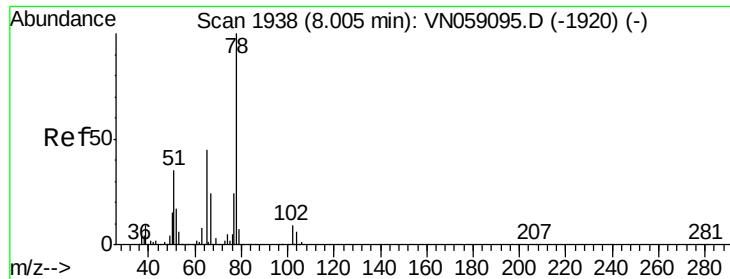
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#32
1,1,1-Trichloroethane
Concen: 20.347 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	43.8	35.8	53.8





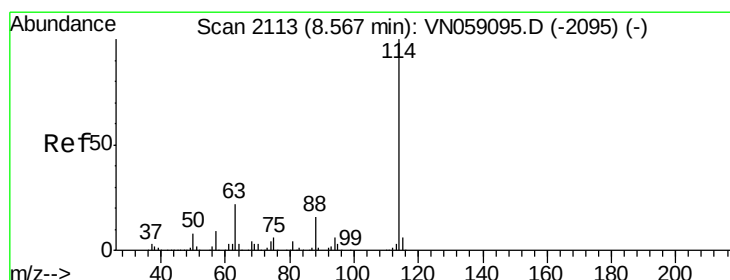
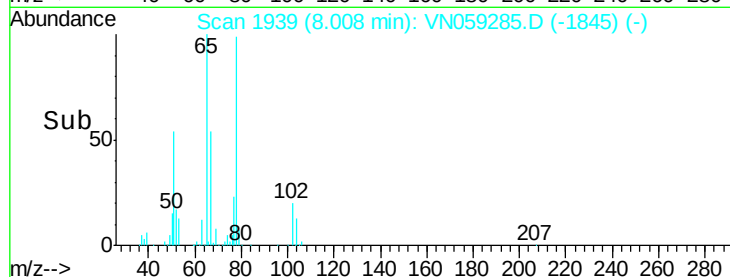
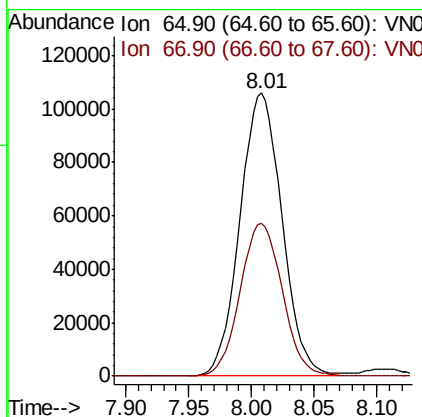
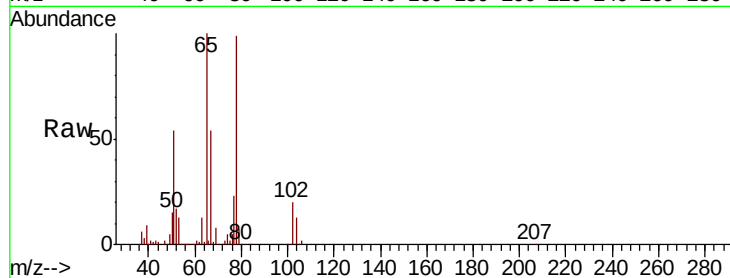
#33
 1,2-Dichloroethane-d4
 Concen: 45.914 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.2	0.0	107.4	

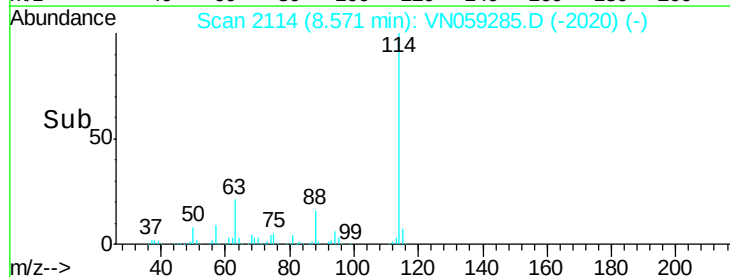
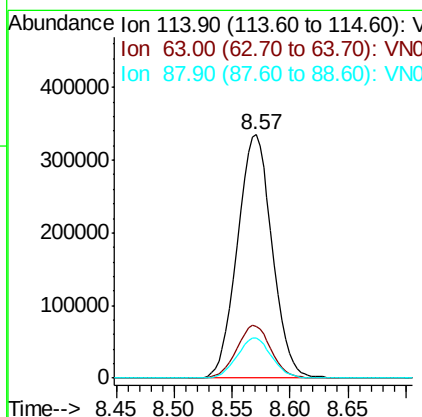
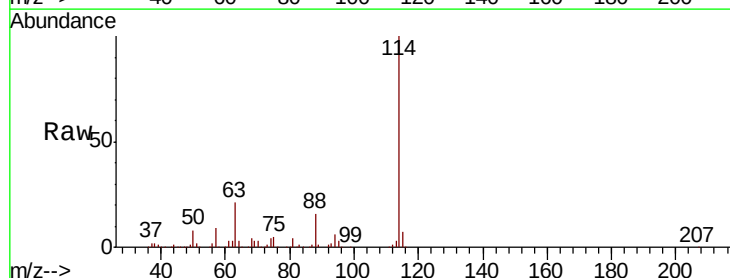
Manual Integrations
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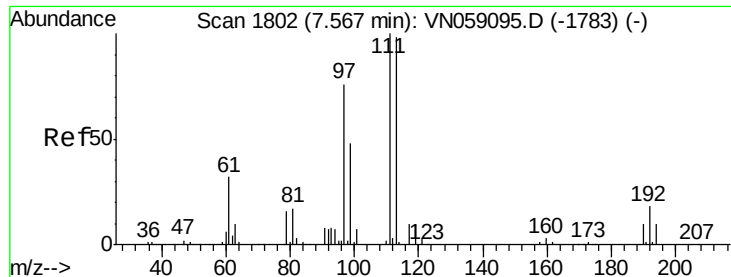
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	43.4	
88	16.3	0.0	32.2	





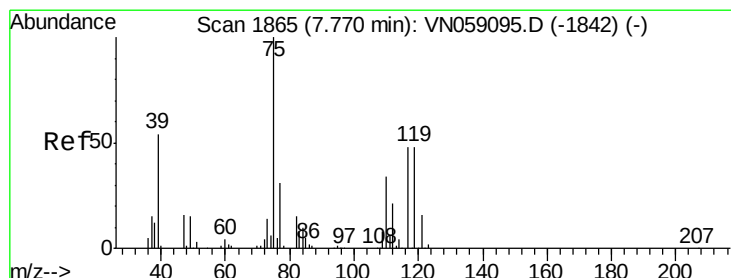
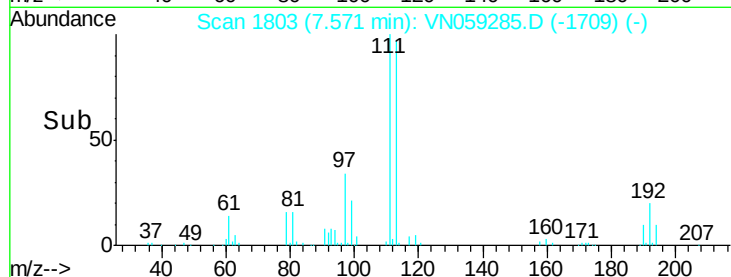
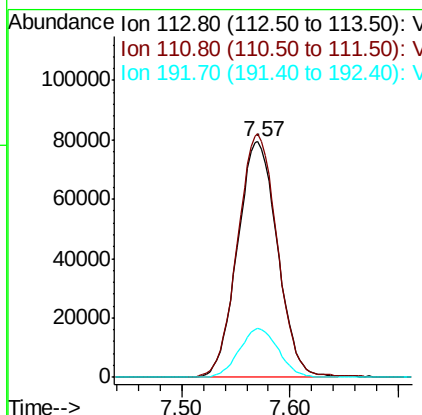
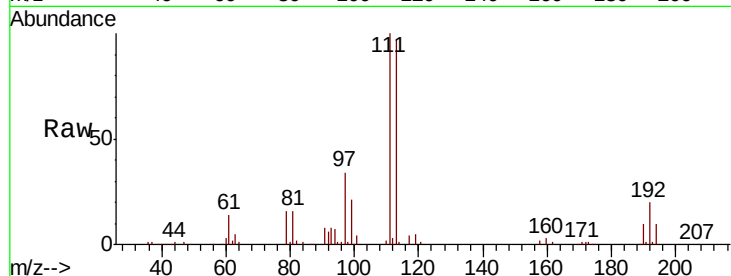
#35
Dibromofluoromethane
Concen: 48.942 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	203764		
111	102.9	82.8	124.2	
192	20.1	16.1	24.1	

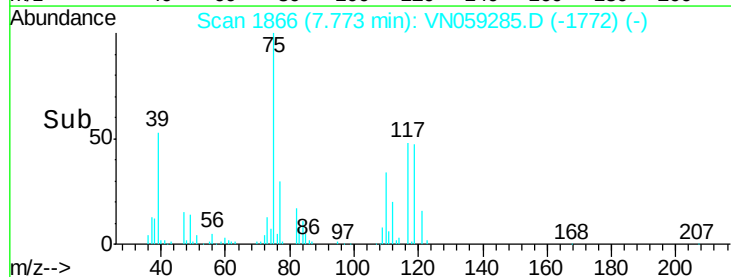
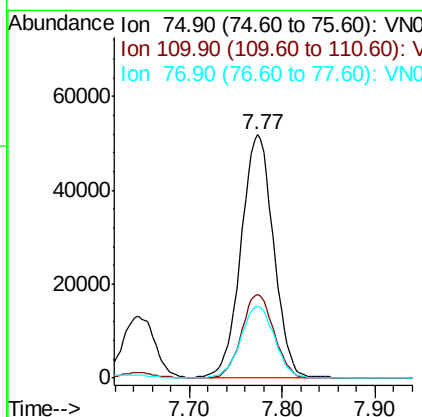
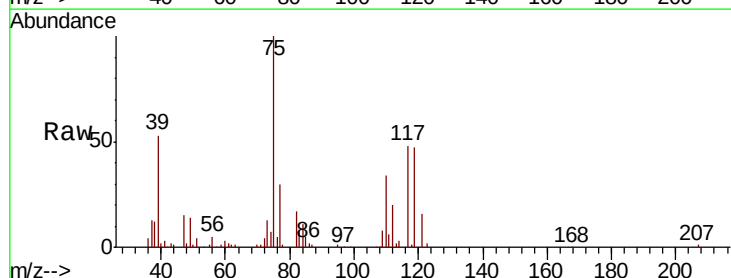
Manual Integrations
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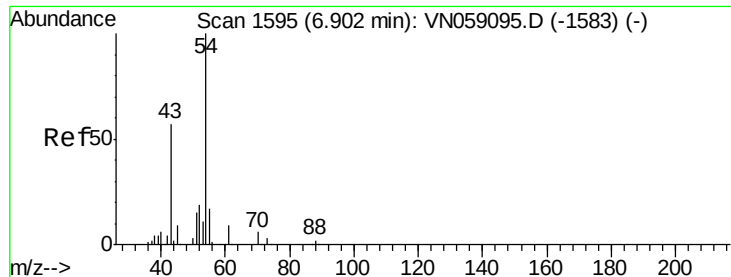
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#36
1,1-Dichloropropene
Concen: 19.418 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	126556		
110	33.9	17.1	51.2	
77	30.6	24.8	37.2	





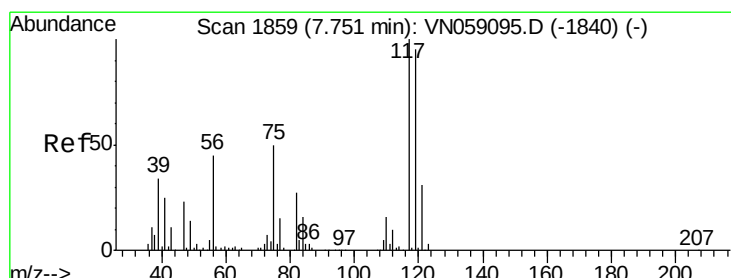
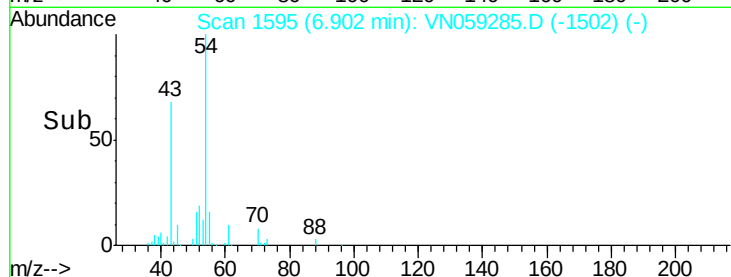
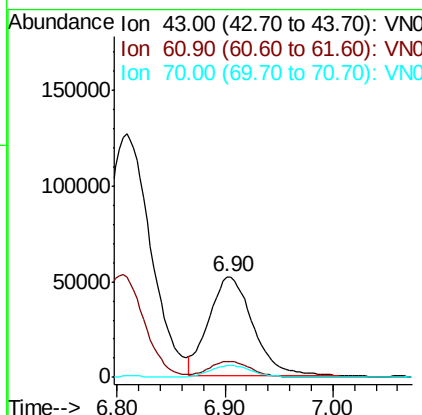
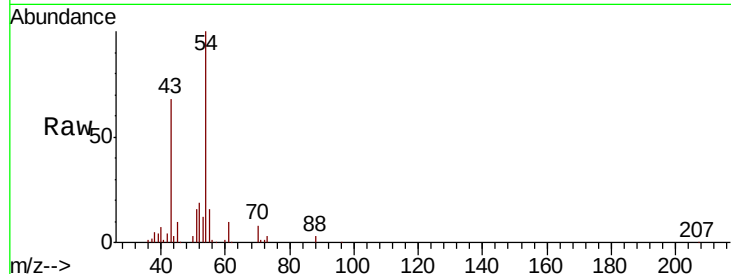
#37
Ethyl Acetate
Concen: 20.411 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	43	61	70
Resp	147987		
Ratio	100	15.7	11.5
Lower		11.2	7.8
Upper		16.8	11.8

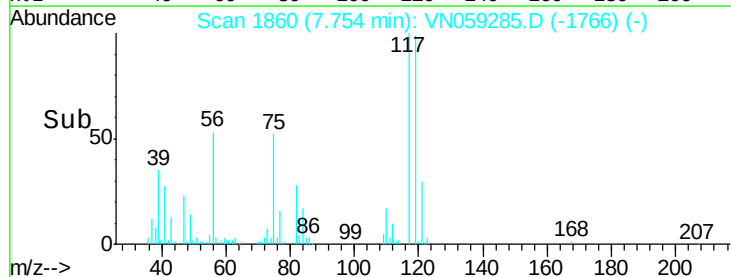
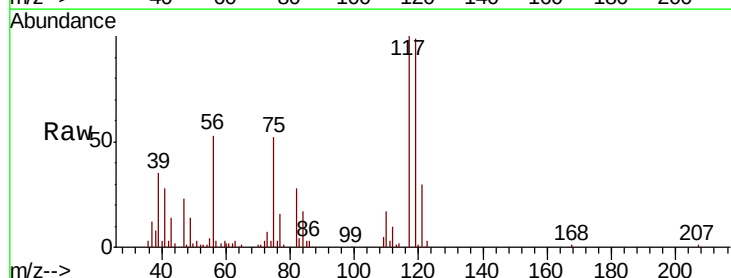
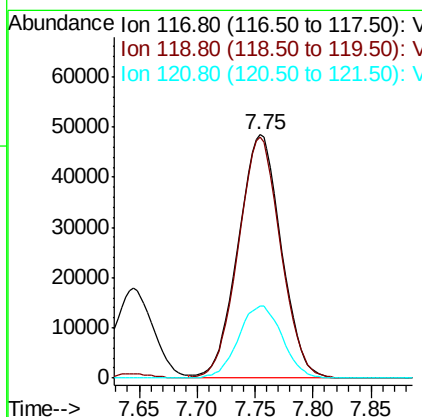
Manual Integrations
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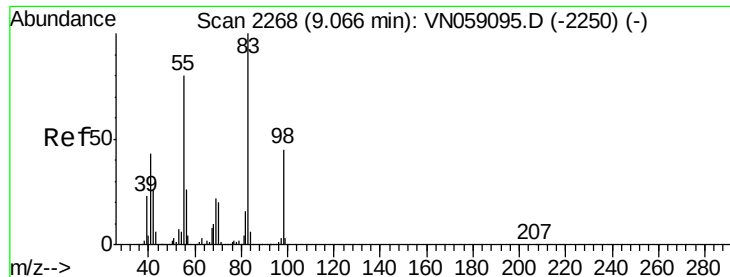
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#38
Carbon Tetrachloride
Concen: 19.245 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	117	119	121
Resp	124842		
Ratio	100	98.9	29.6
Lower		75.6	24.6
Upper		113.4	36.8





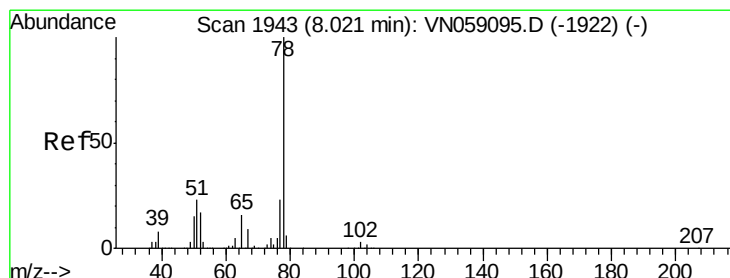
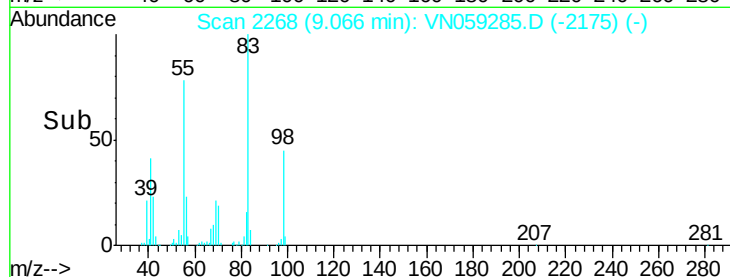
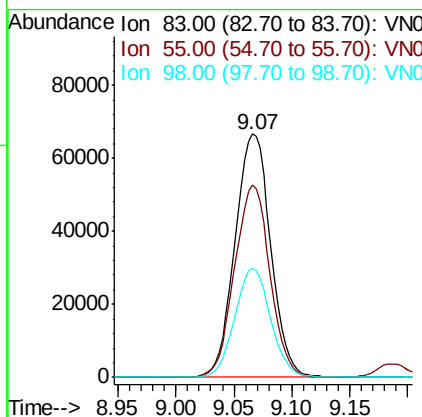
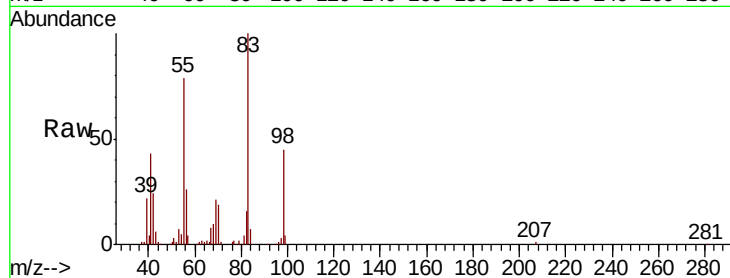
#39
Methylvlcyclohexane
Concen: 18.865 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	83	Resp	142699
Ion Ratio	Lower	Upper	
83	100		
55	78.8	63.9	95.9
98	44.9	35.6	53.4

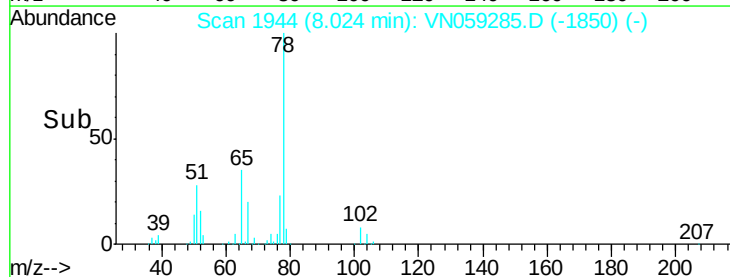
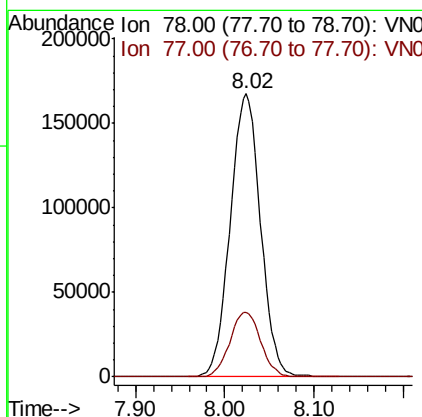
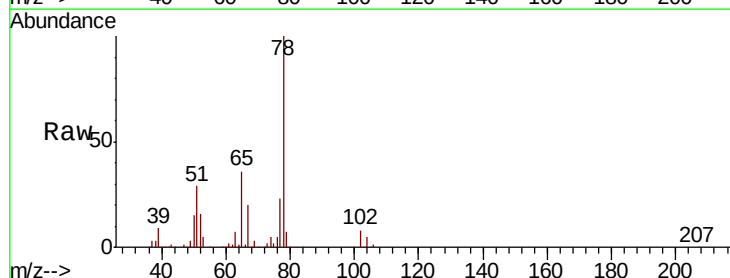
Manual Integrations
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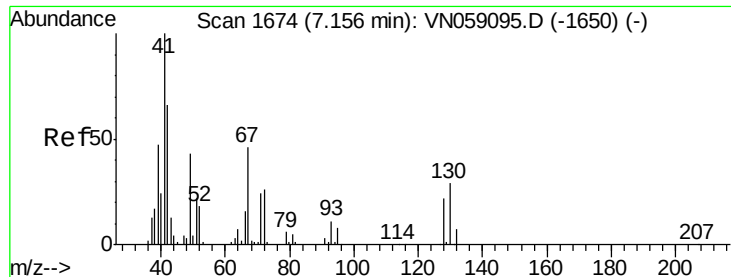
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#40
Benzene
Concen: 20.049 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	78	Resp	393495
Ion Ratio	Lower	Upper	
78	100		
77	23.0	18.8	28.2





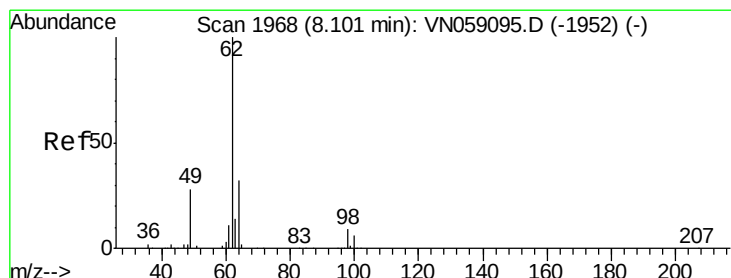
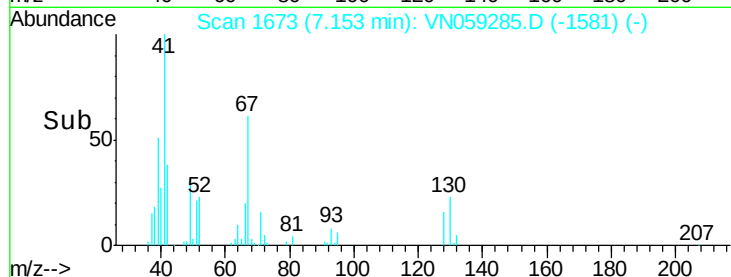
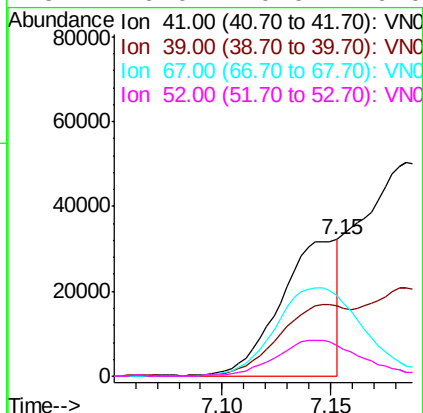
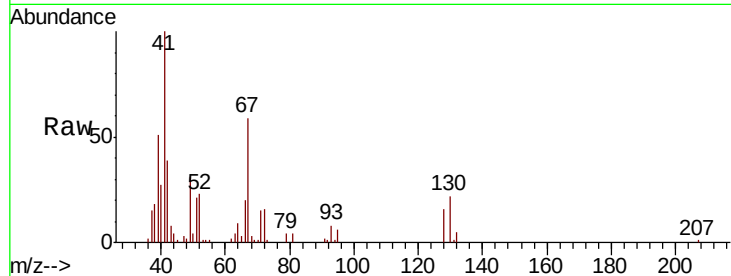
#41
Methacrylonitrile
Concen: 18.544 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampled :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

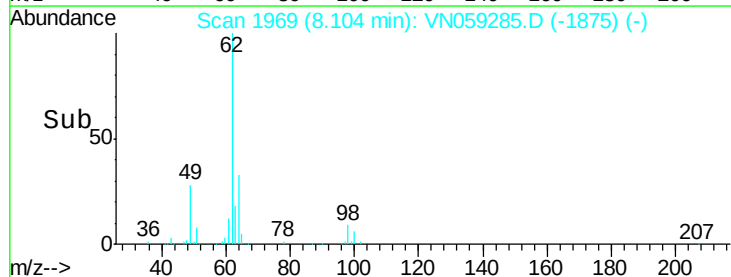
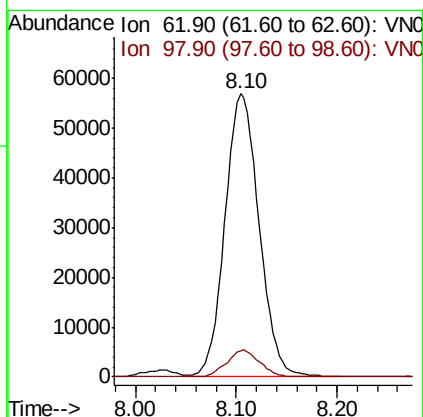
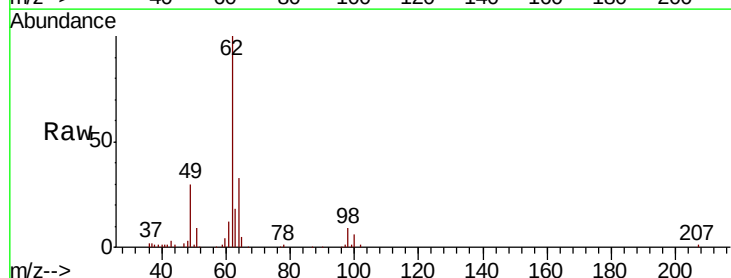
Manual Integrations
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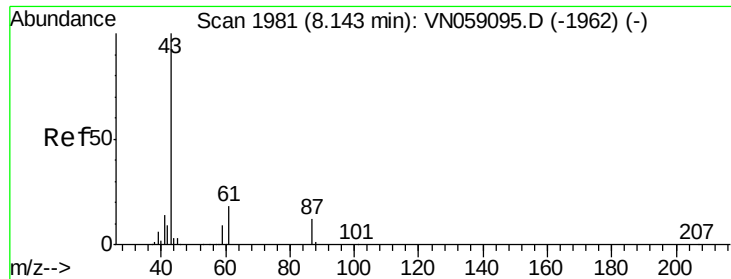
MMDADODA
11/19/2019 11:03:24 AM



#42
1,2-Dichloroethane
Concen: 19.917 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8





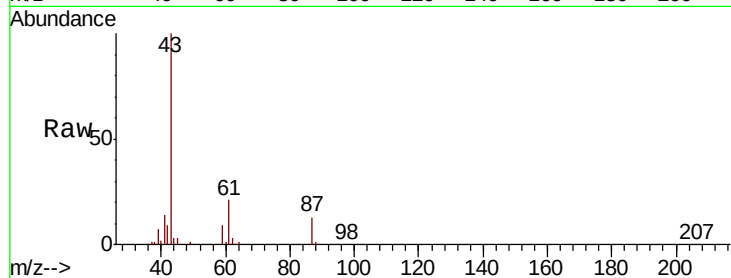
#43
Isopropyl Acetate
Concen: 20.522 ug/l
RT: 8.15 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

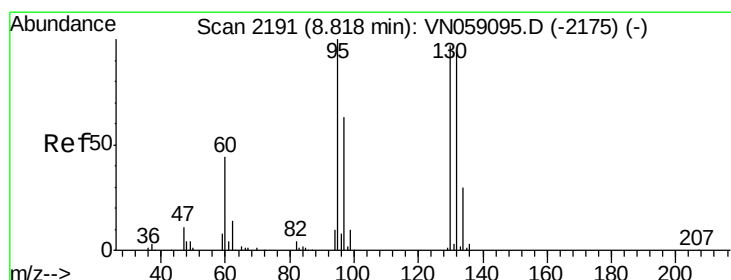
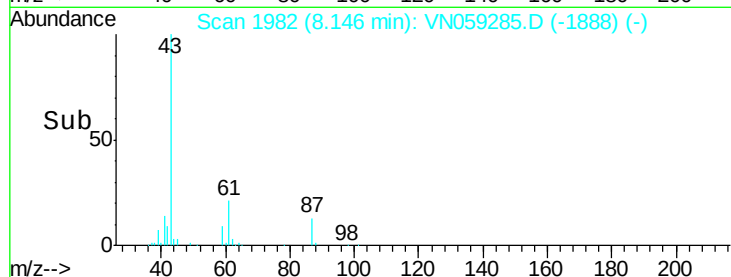
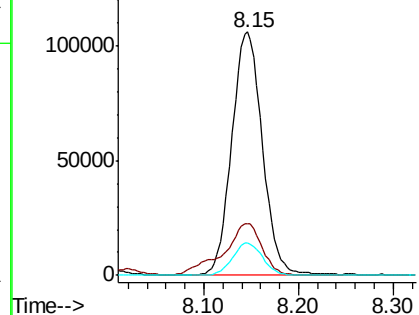
Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	21.0	31.6
87	13.0	9.8	14.6

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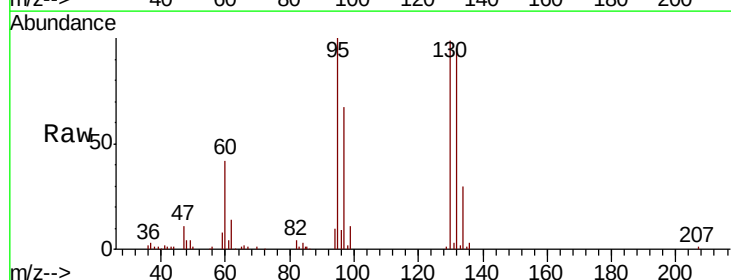


Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1962) (-)
Ion 61.00 (60.70 to 61.70): VN059095.D (-1962) (-)
Ion 87.00 (86.70 to 87.70): VN059095.D (-1962) (-)

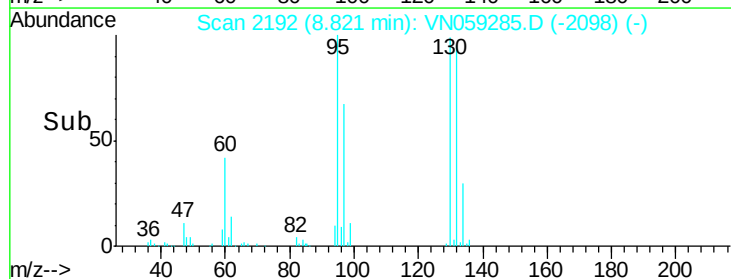
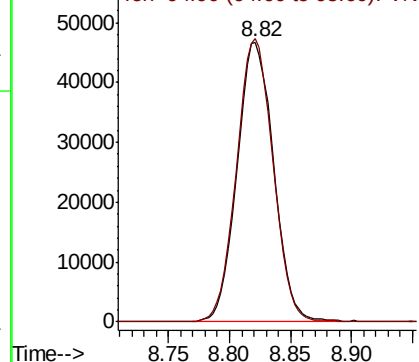


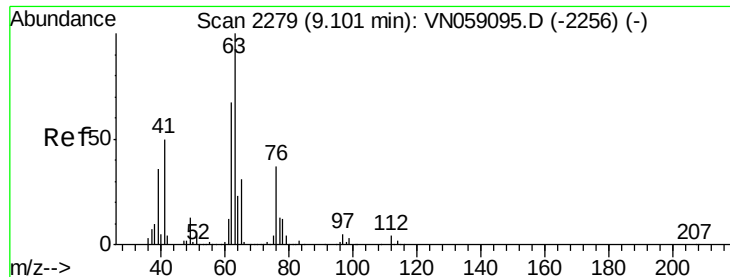
#44
Trichloroethene
Concen: 20.161 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059095.D (-2175) (-)
Ion 94.90 (94.60 to 95.60): VN059095.D (-2175) (-)





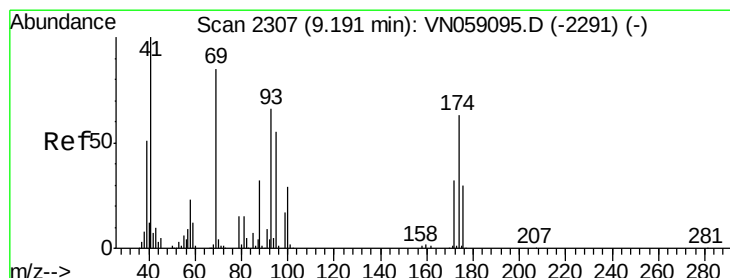
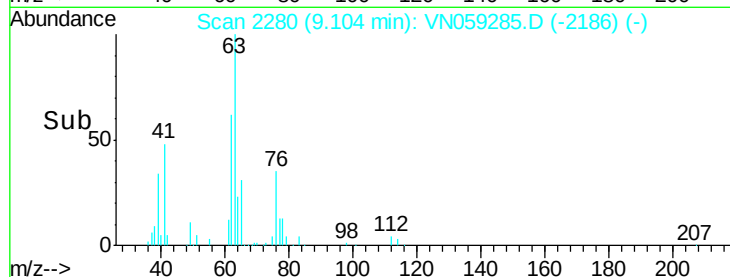
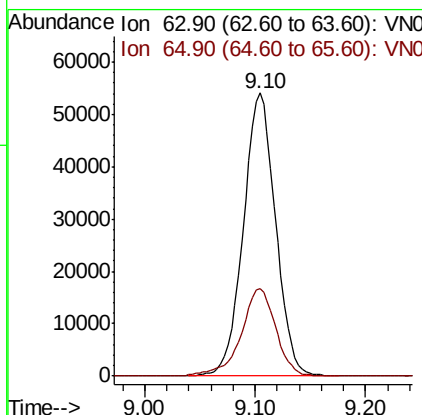
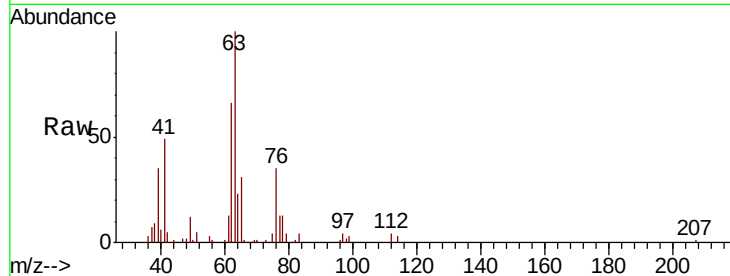
#45
 1,2-Dichloropropane
 Concen: 20.506 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBSD01

Tot Ion: 63 Resp: 109317
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 37.0

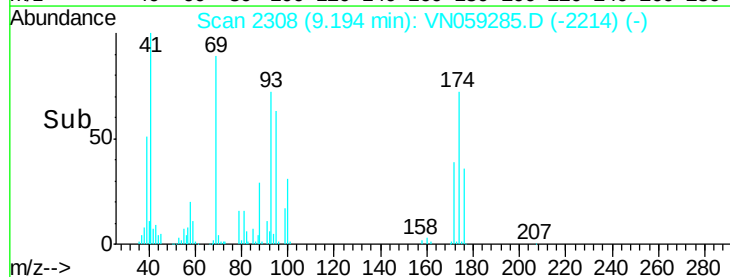
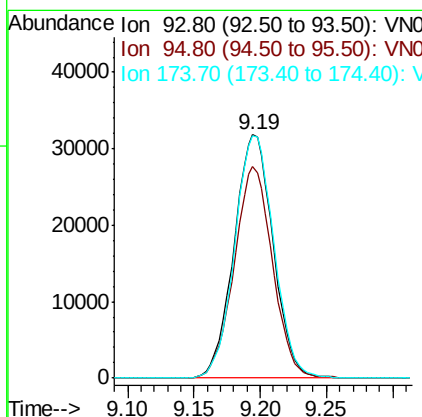
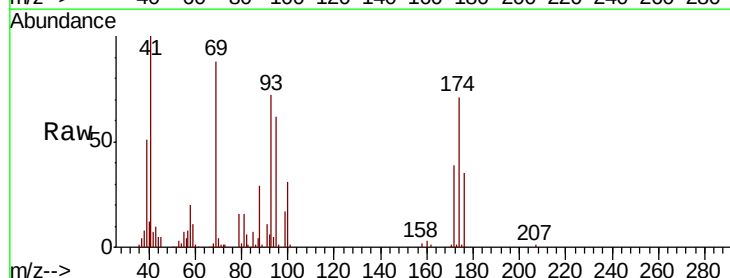
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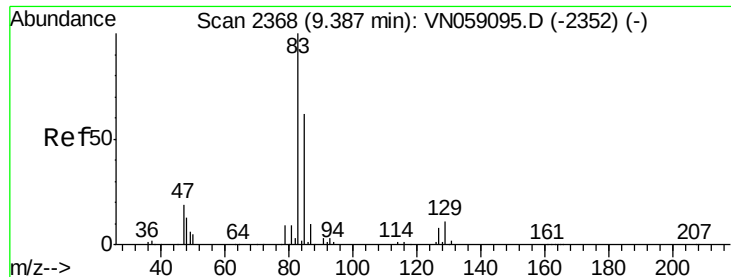
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#46
 Dibromomethane
 Concen: 19.681 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion: 93 Resp: 65379
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.6 100.0
 174 99.6 78.2 117.2





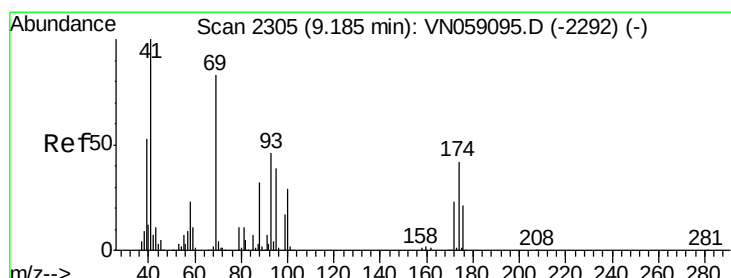
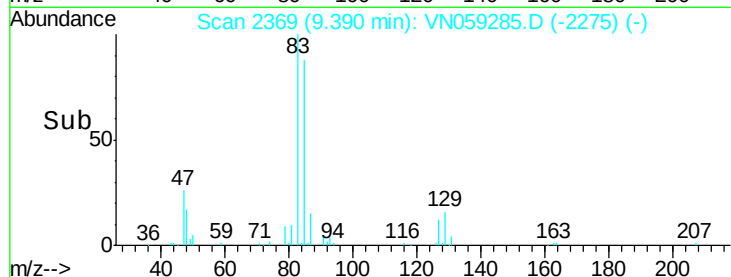
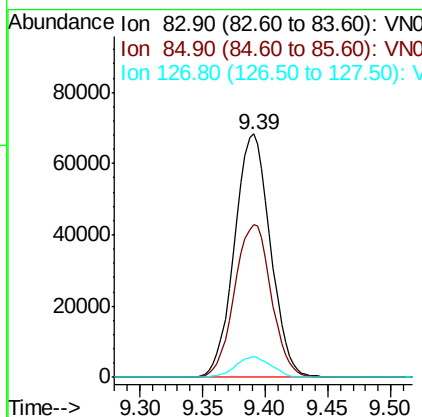
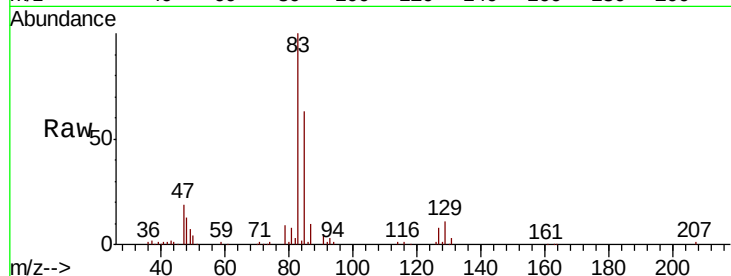
#47
Bromodichloromethane
Concen: 20.506 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.8	49.7	74.5
127	8.4	6.4	9.6

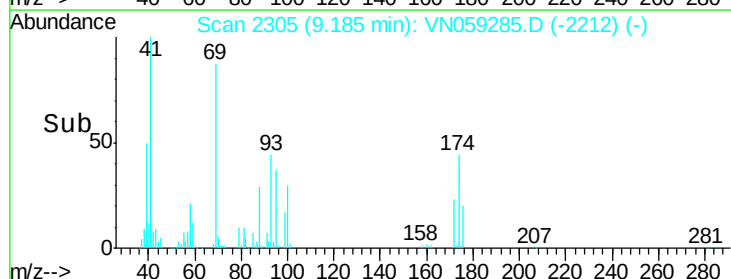
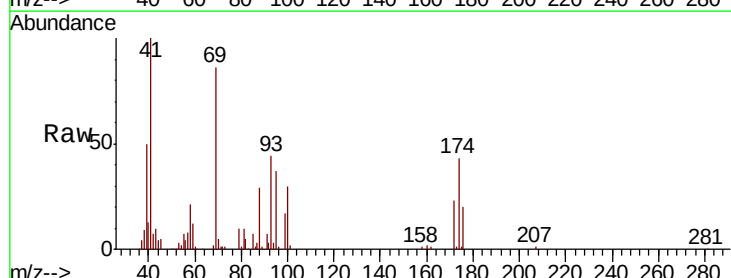
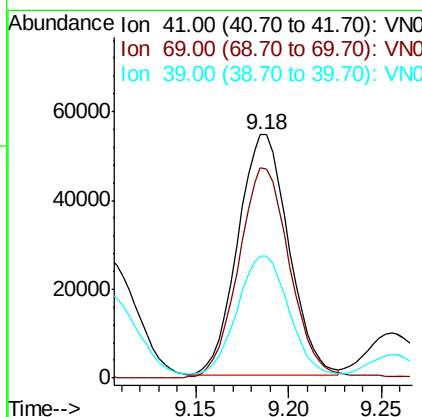
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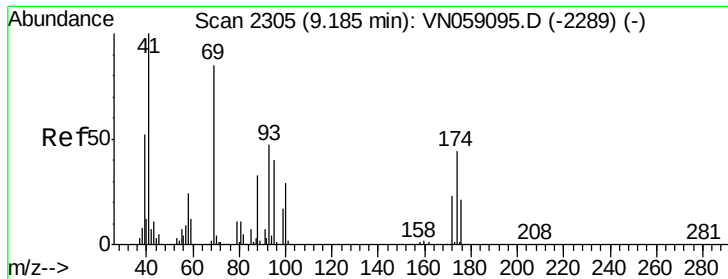
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#48
Methyl methacrylate
Concen: 20.026 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.9	67.3	100.9
39	52.0	43.3	64.9





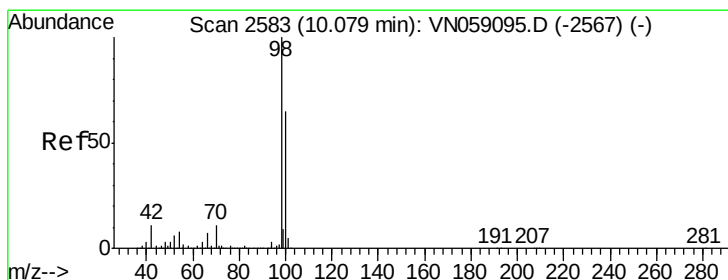
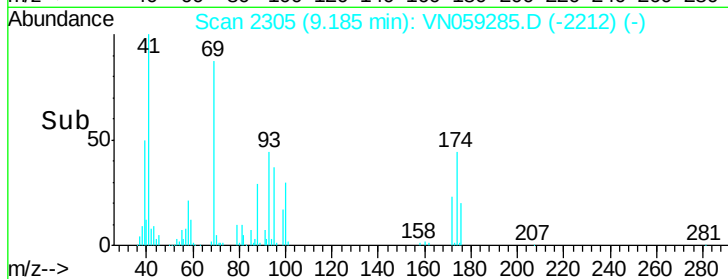
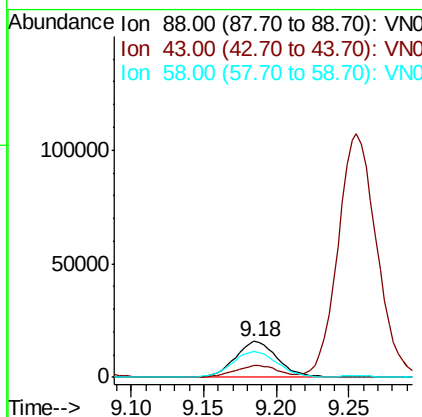
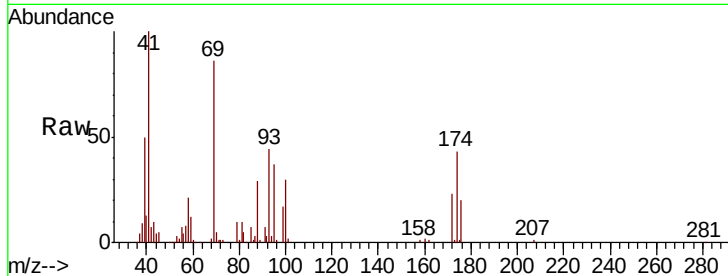
#49
1,4-Dioxane
Concen: 352.040 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	26.3	39.5
58	76.4	60.6	90.8

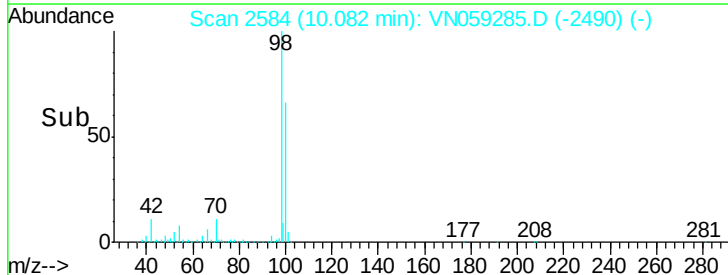
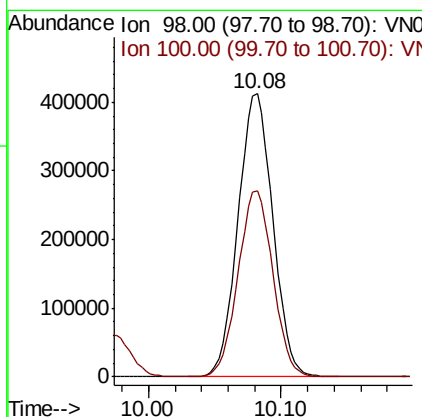
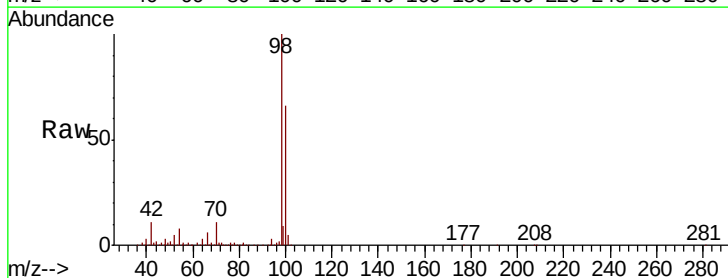
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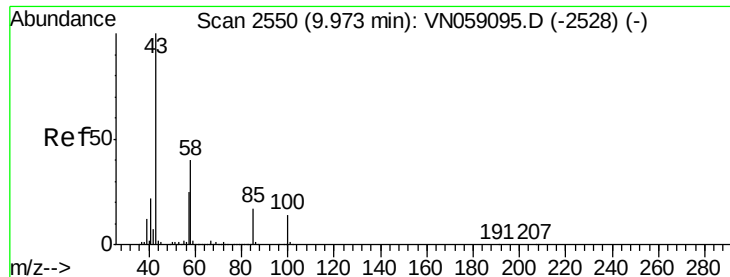
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#50
Toluene-d8
Concen: 45.991 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.2	78.2





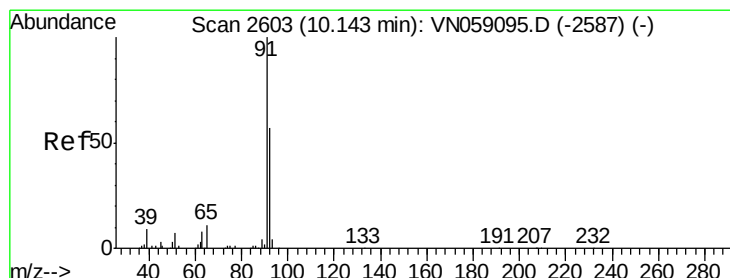
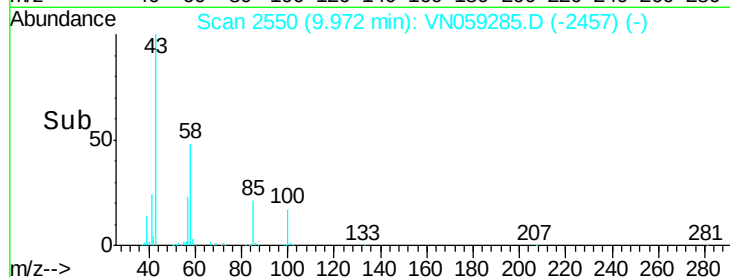
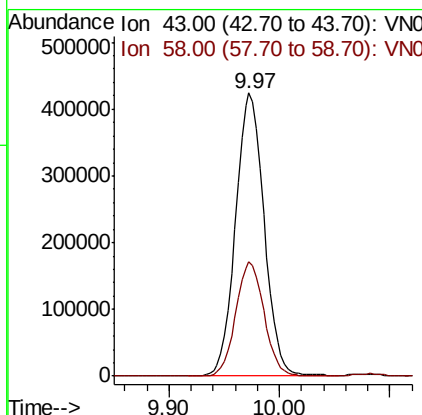
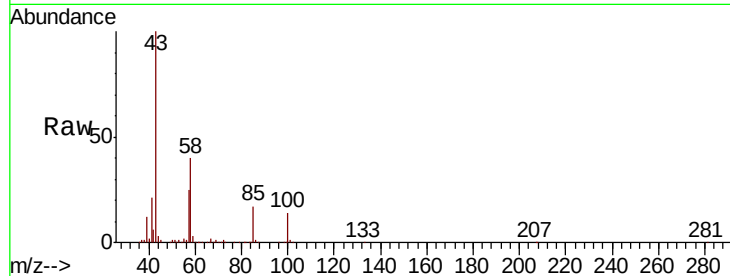
#51
4-Methyl-2-Pentanone
Concen: 115.906 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.5	47.3

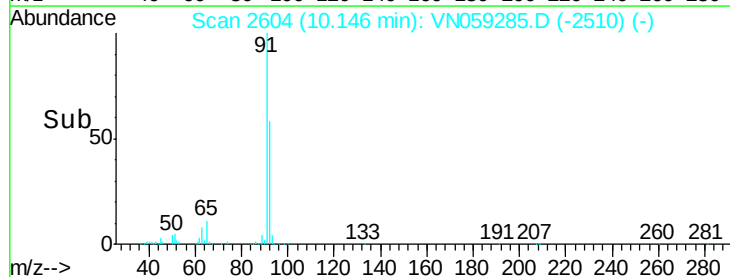
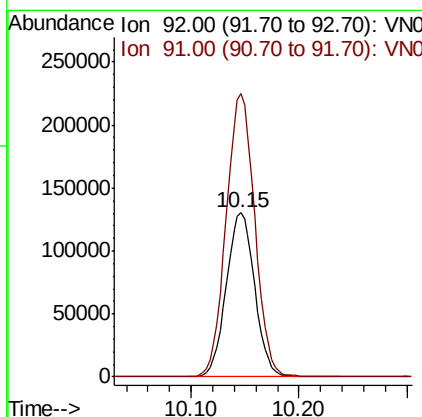
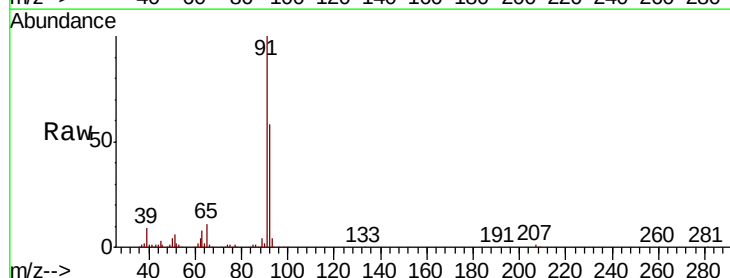
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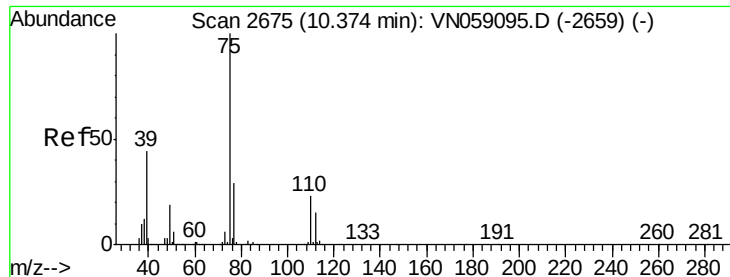
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#52
Toluene
Concen: 20.339 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.1	139.5	209.3





#53

t-1,3-Dichloropropene

Concen: 20.414 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBSD01

Tot Ion: 75 Resp: 156447

Ion Ratio Lower Upper

75 100

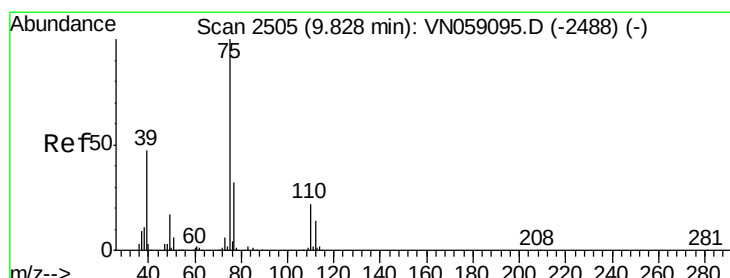
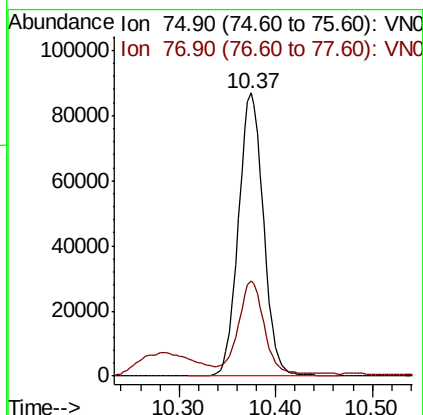
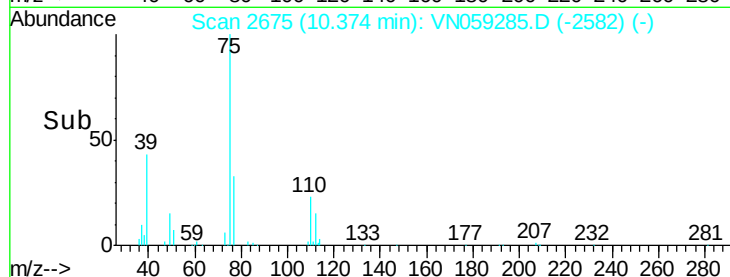
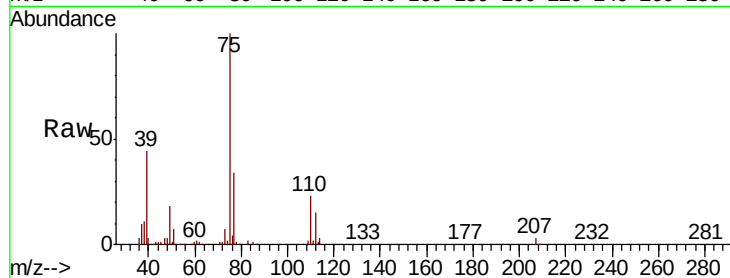
77 33.1 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.610 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

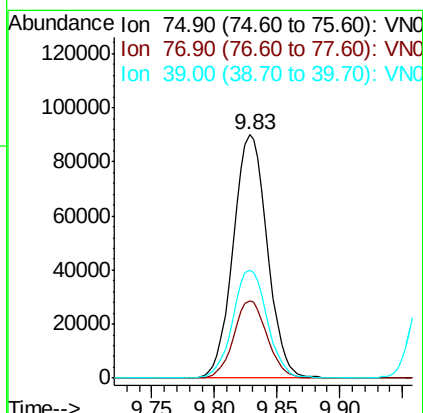
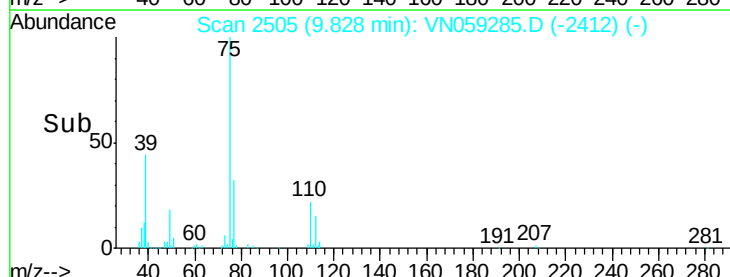
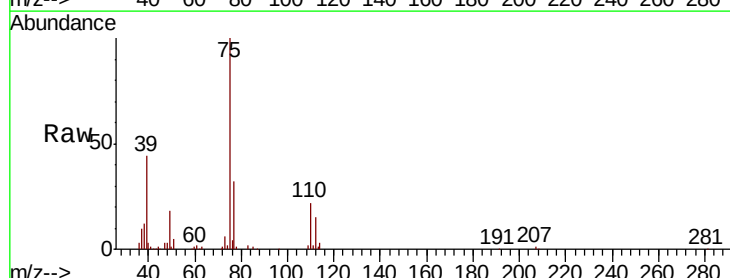
Tgt Ion: 75 Resp: 169903

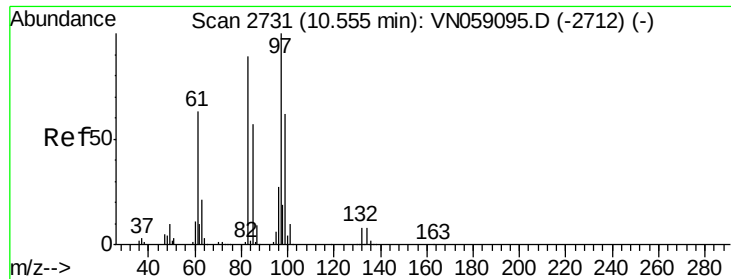
Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

39 44.2 37.3 55.9





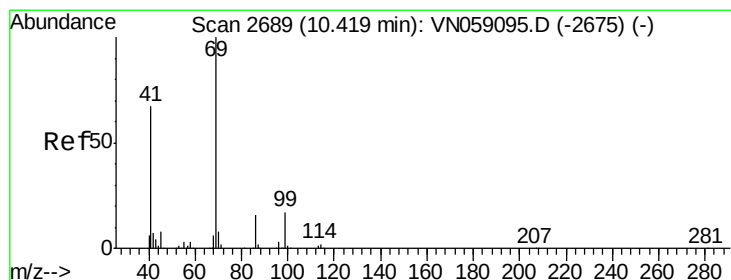
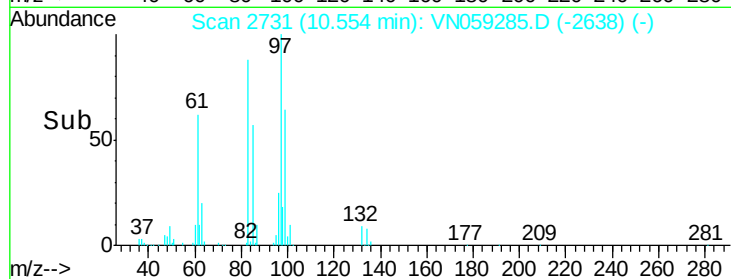
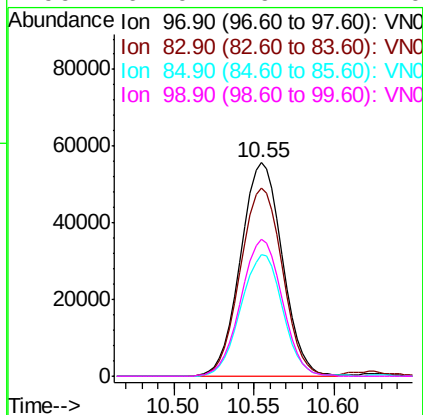
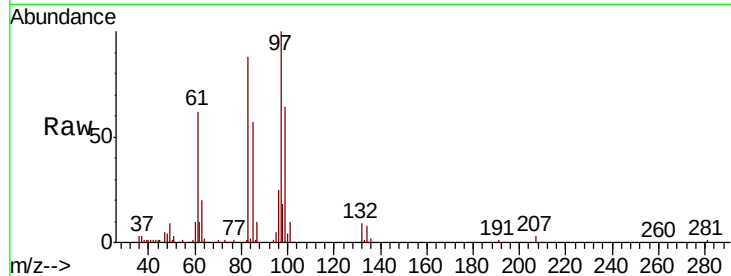
#55
 1,1,2-Trichloroethane
 Concen: 20.893 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.1	71.0	106.4
85	56.8	45.8	68.8
99	64.0	49.4	74.0

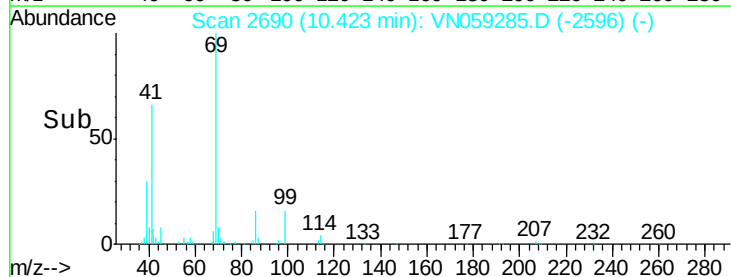
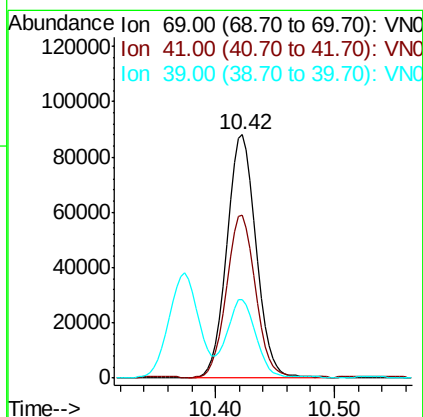
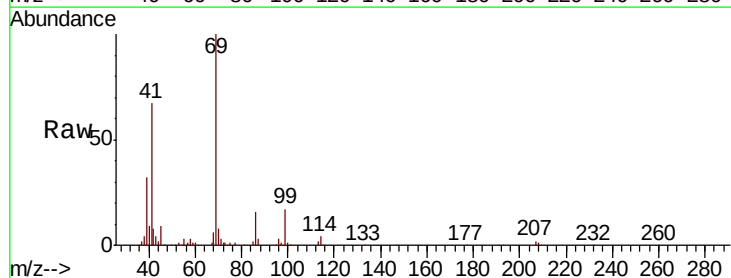
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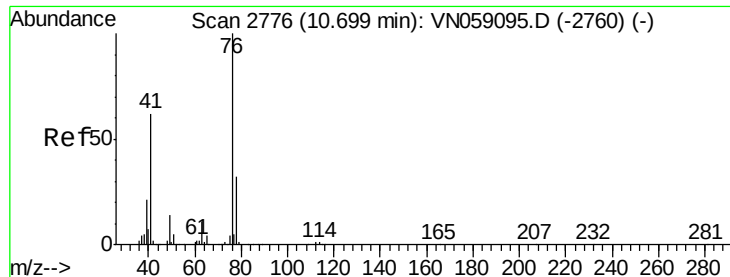
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#56
 Ethyl methacrylate
 Concen: 20.112 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.7	53.6	80.4
39	31.6	26.2	39.4





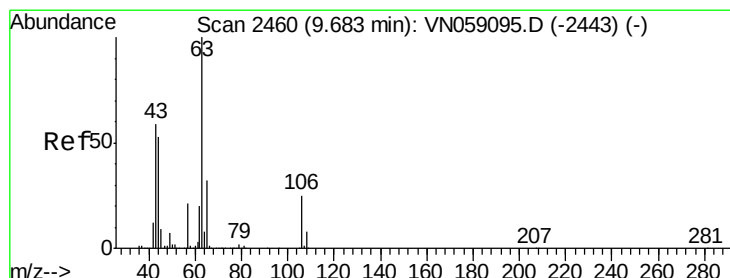
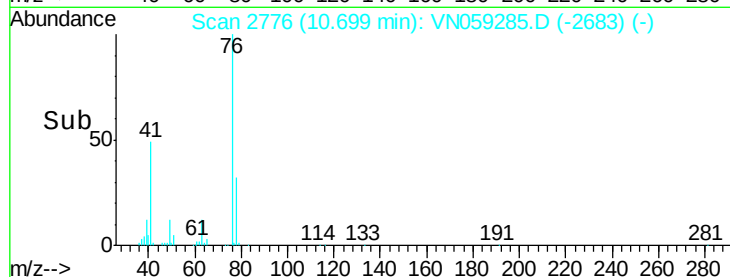
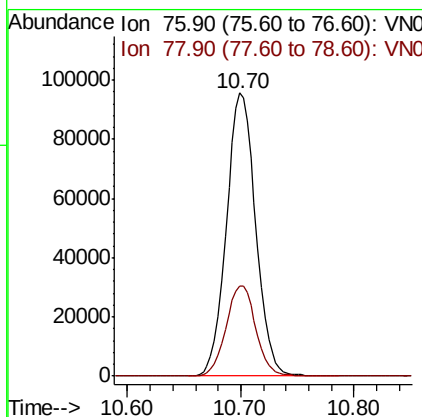
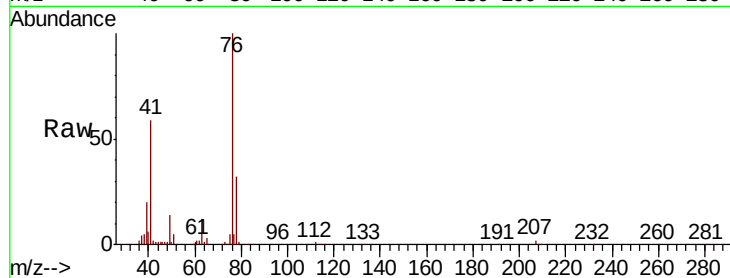
#57
 1,3-Dichloropropane
 Concen: 20.965 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.8

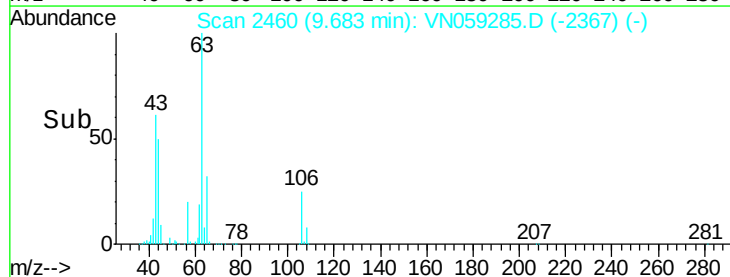
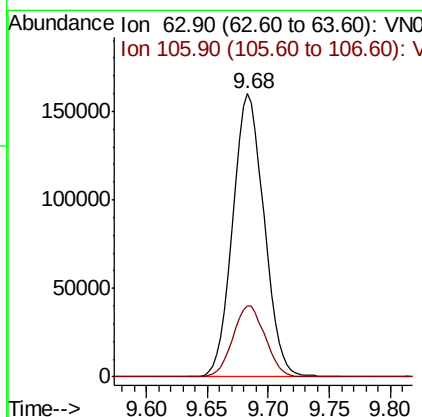
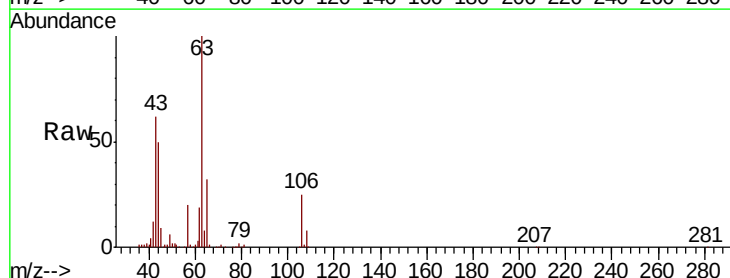
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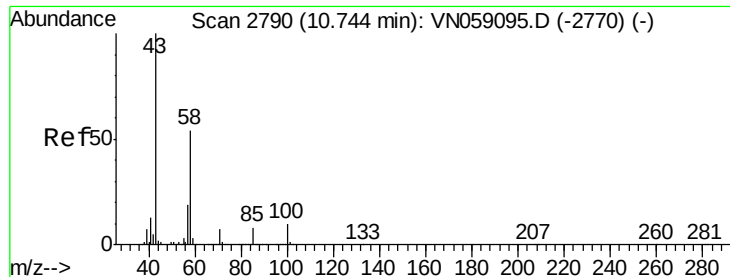
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 11/19/2019 11:03:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.009 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.7	20.2	30.2





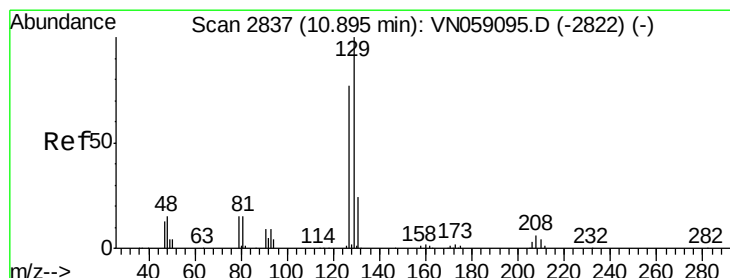
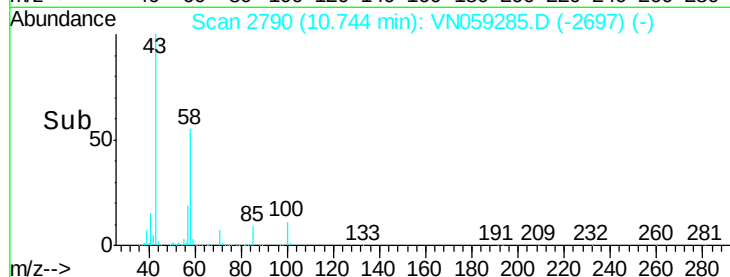
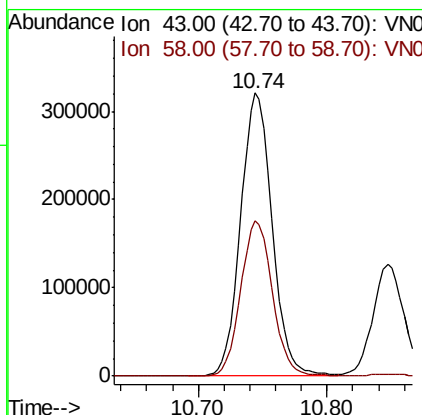
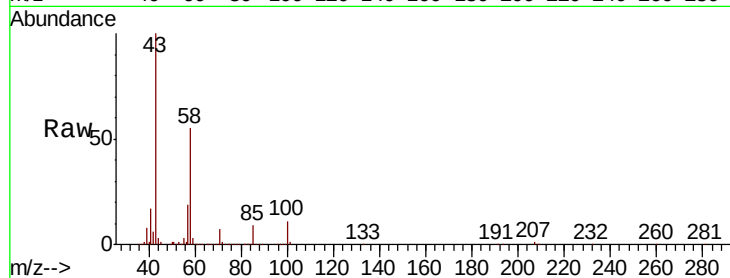
#59
2-Hexanone
Concen: 108.359 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	27.3	81.8

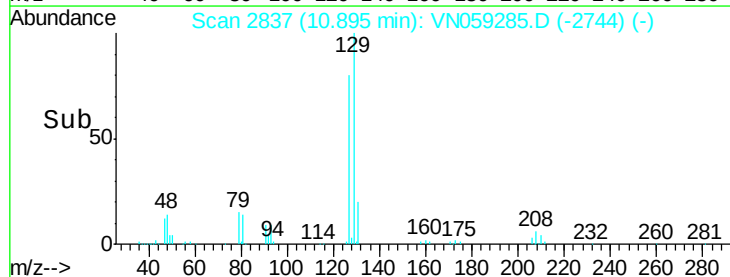
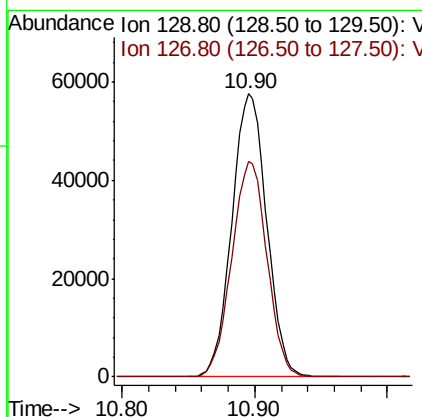
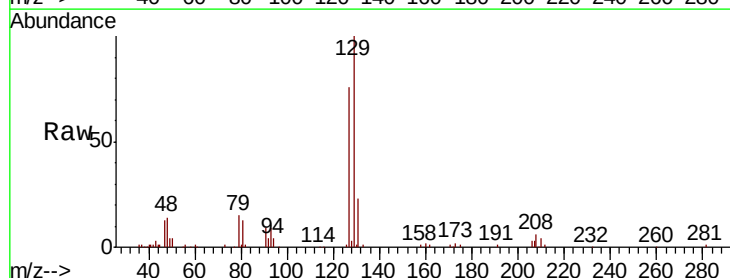
Manual Integrations
APPROVED

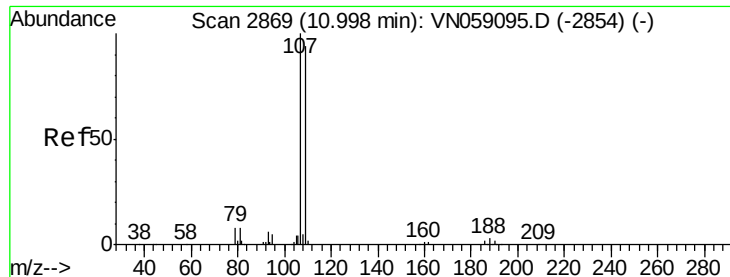
MMDADODA
11/19/2019 11:03:24 AM



#60
Dibromochloromethane
Concen: 20.882 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.6	115.8





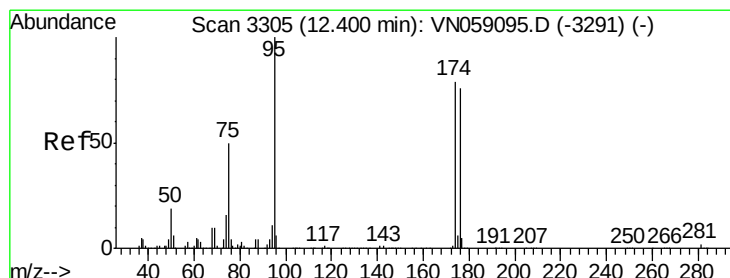
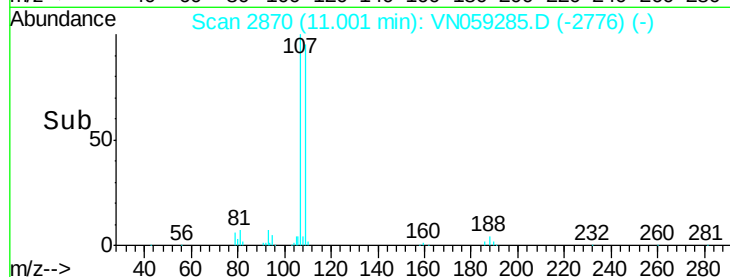
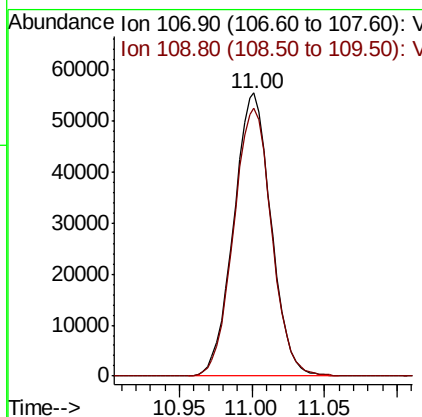
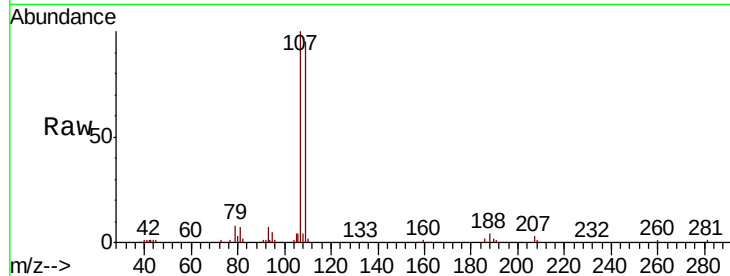
#61
 1,2-Dibromoethane
 Concen: 20.606 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	75.5	113.3

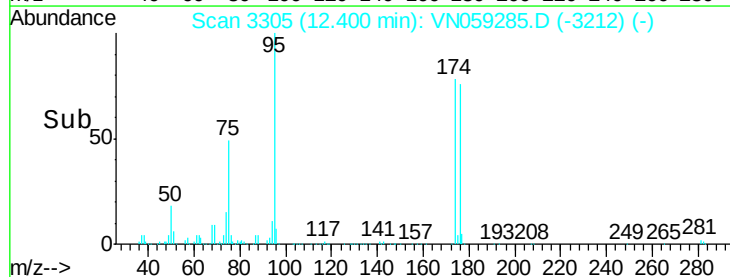
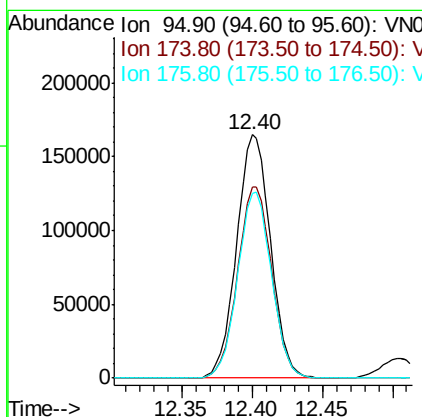
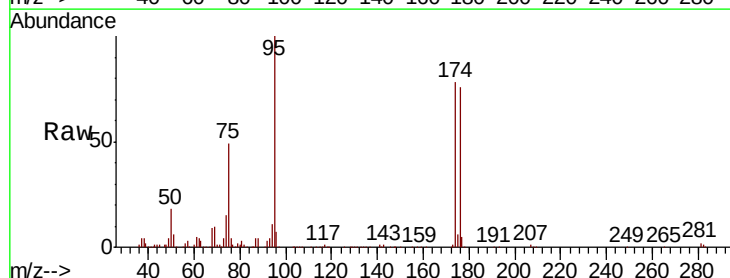
Manual Integrations
 APPROVED

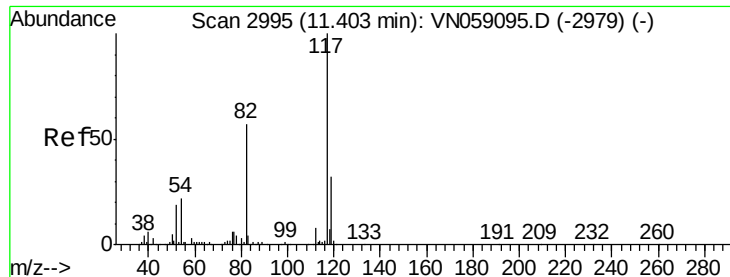
MMDADODA
 11/19/2019 11:03:24 AM



#62
 4-Bromofluorobenzene
 Concen: 47.063 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	158.2
176	76.1	0.0	151.8





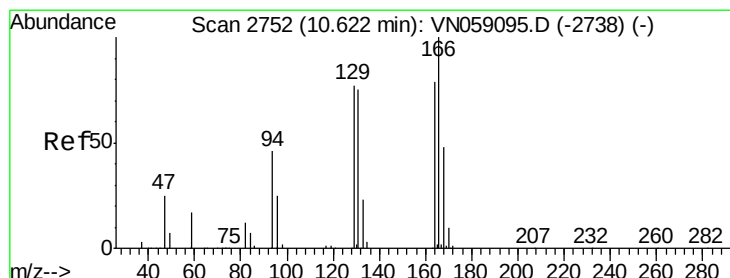
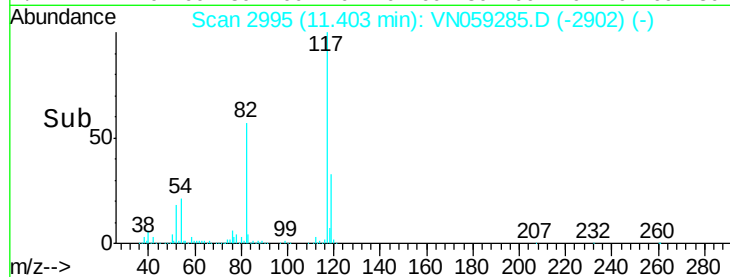
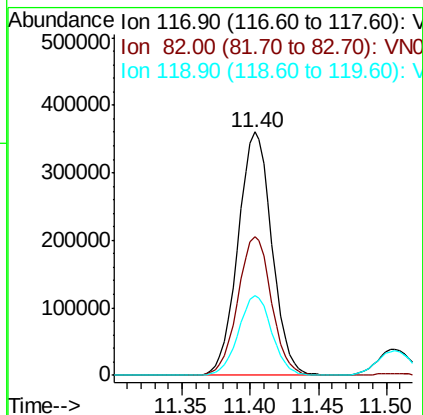
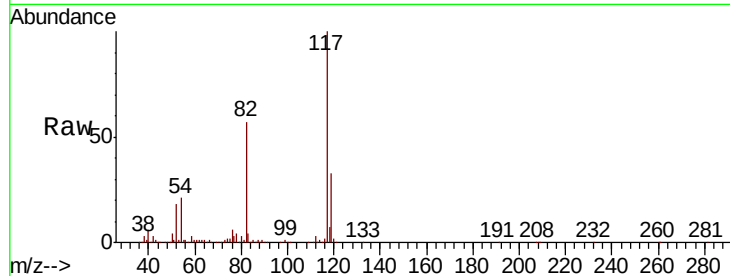
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.8	68.8
119	32.6	25.8	38.6

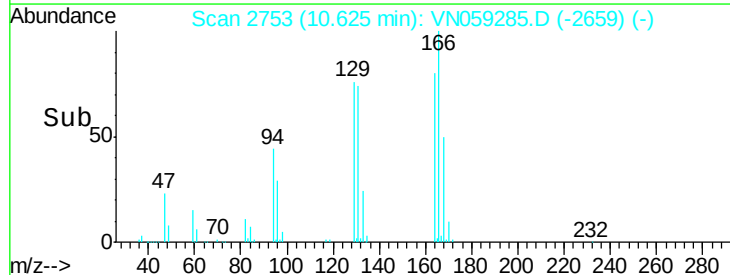
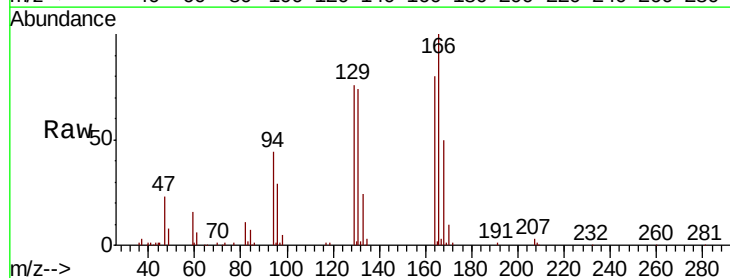
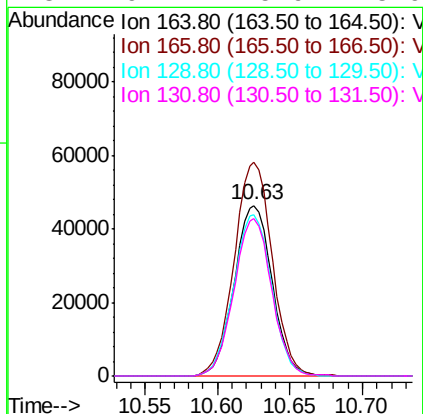
Manual Integrations
APPROVED

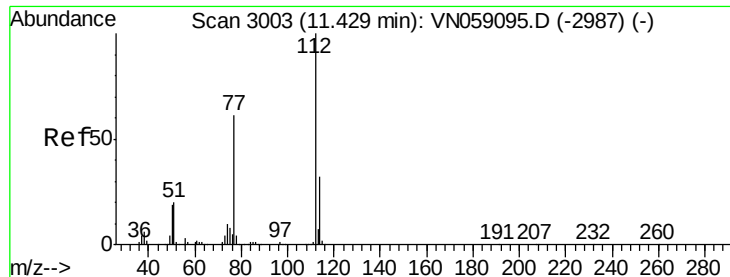
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#64
Tetrachloroethene
Concen: 20.019 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.5	152.3
129	94.6	78.3	117.5
131	92.4	75.9	113.9





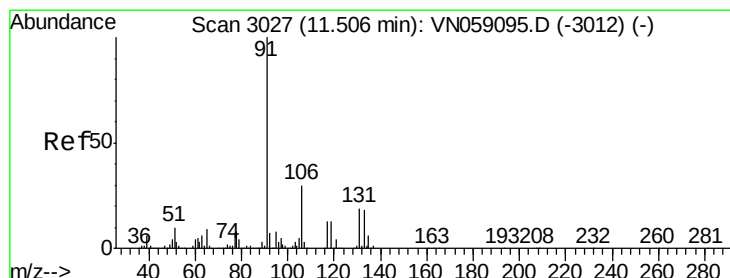
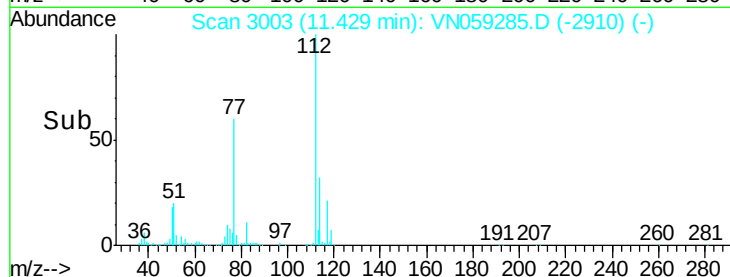
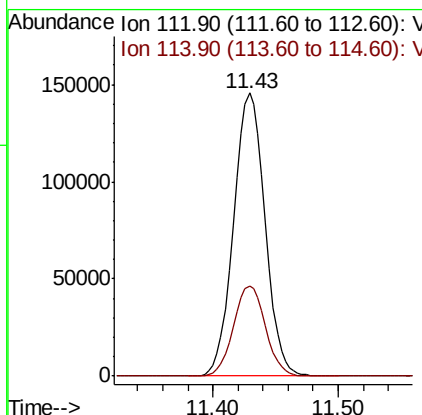
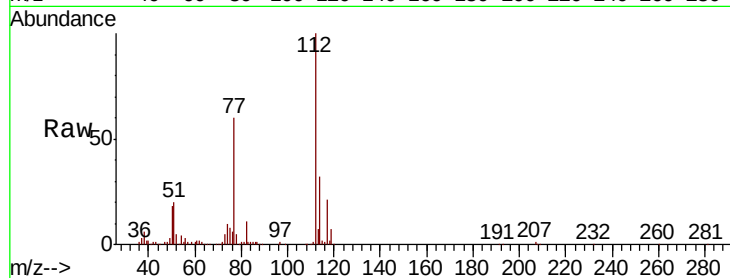
#65
Chlorobenzene
Concen: 20.962 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8

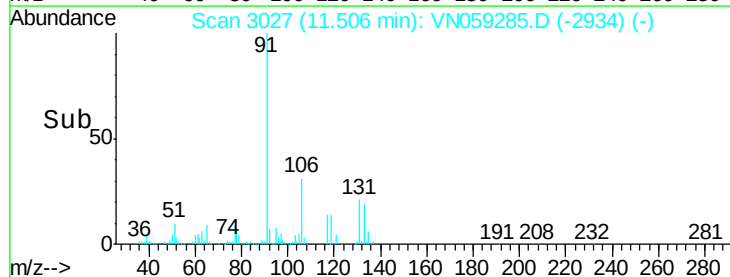
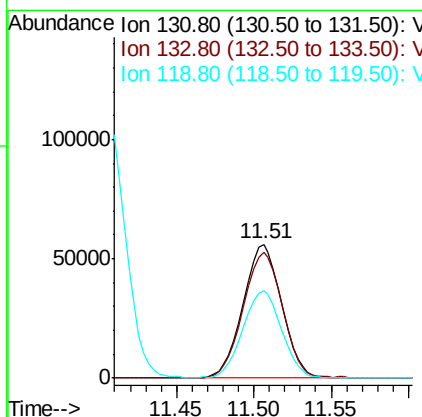
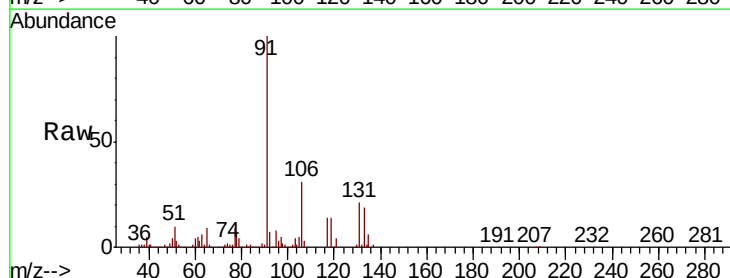
Manual Integrations
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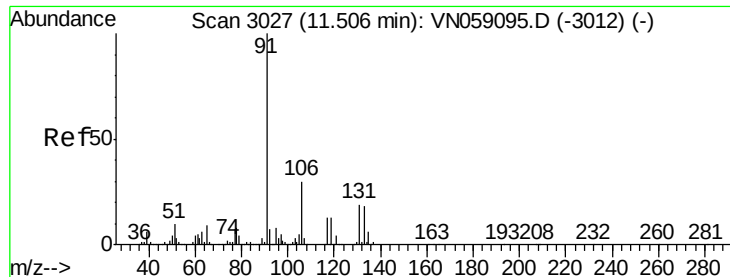
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.476 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.4	142.3
119	66.3	33.2	99.6





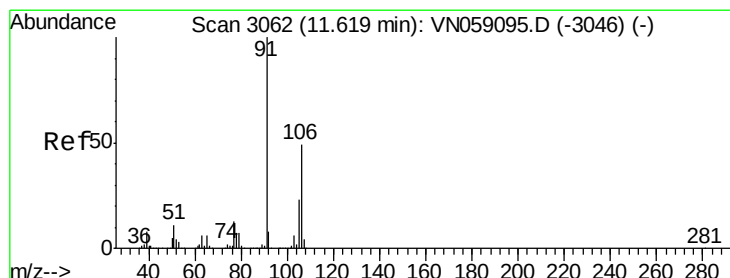
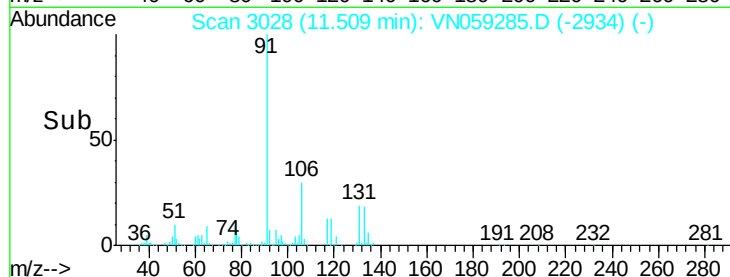
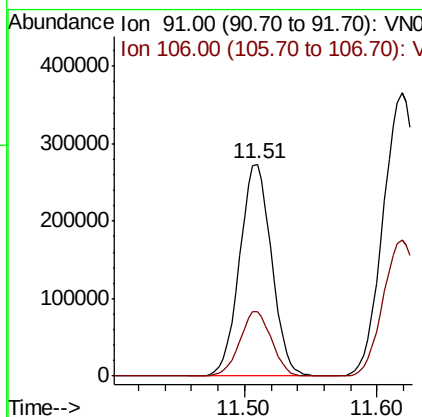
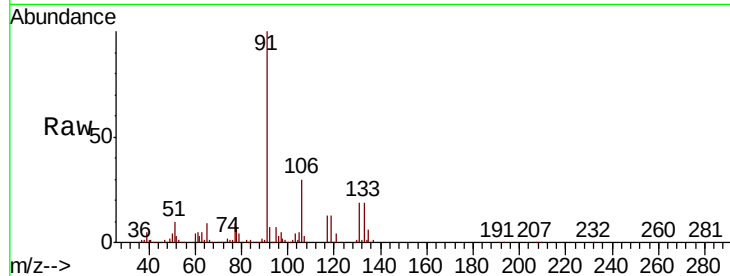
#67
Ethyl Benzene
Concen: 21.362 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion: 91 Resp: 457961
Ion Ratio Lower Upper
91 100
106 30.4 24.1 36.1

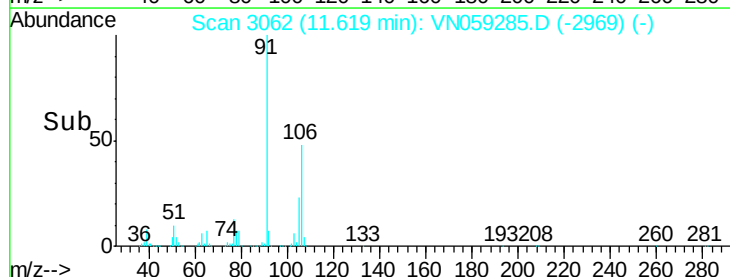
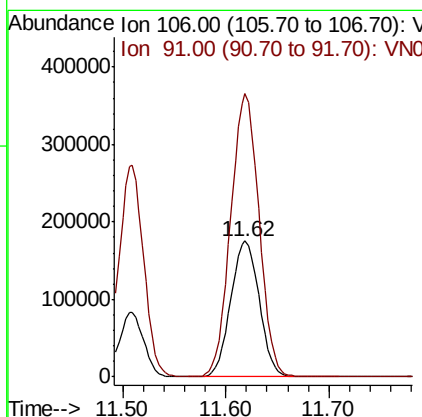
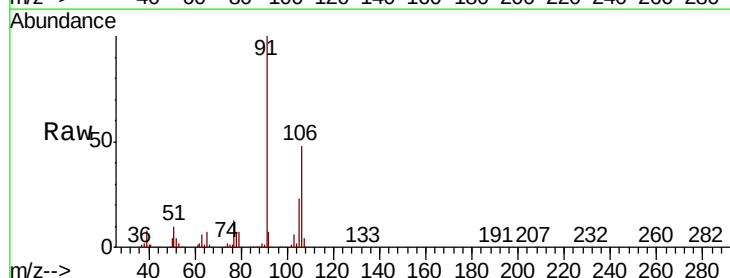
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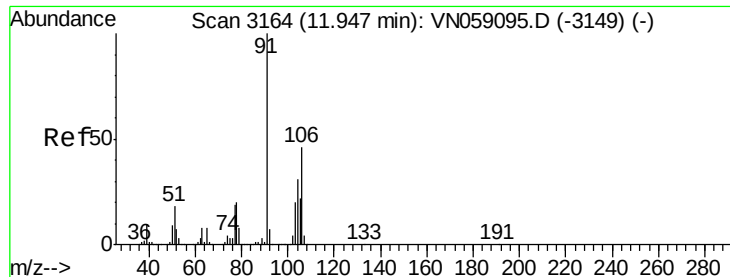
MMDADODA
11/19/2019 11:03:24 AM



#68
m/p-Xylenes
Concen: 42.203 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion: 106 Resp: 338906
Ion Ratio Lower Upper
106 100
91 206.9 164.7 247.1





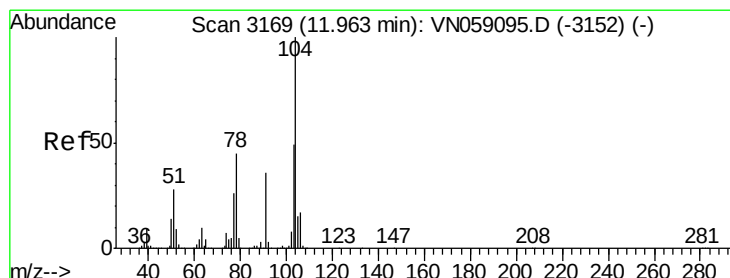
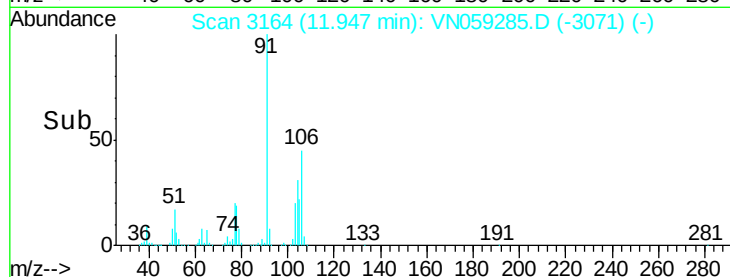
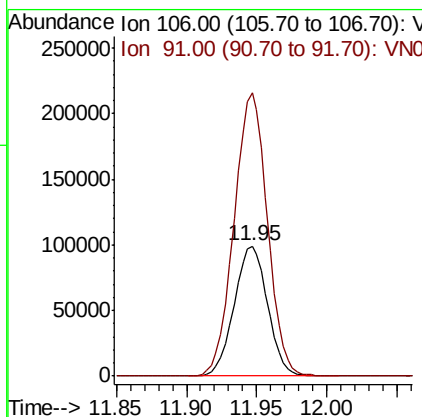
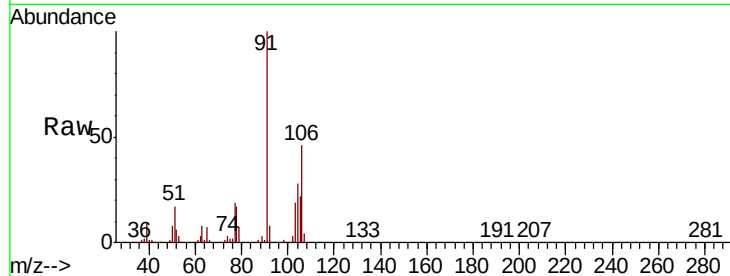
#69
o-Xylene
Concen: 21.195 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.1	110.1	330.3

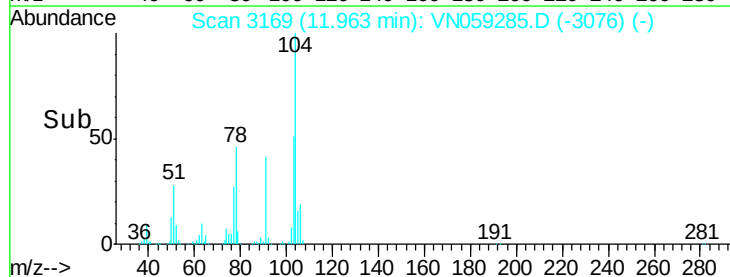
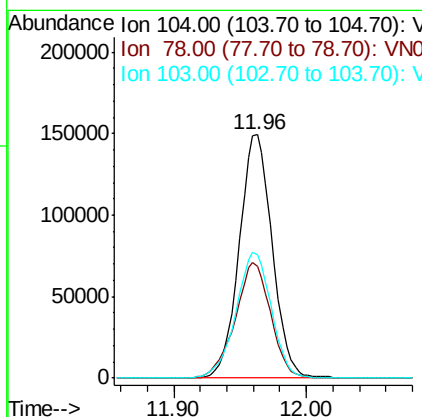
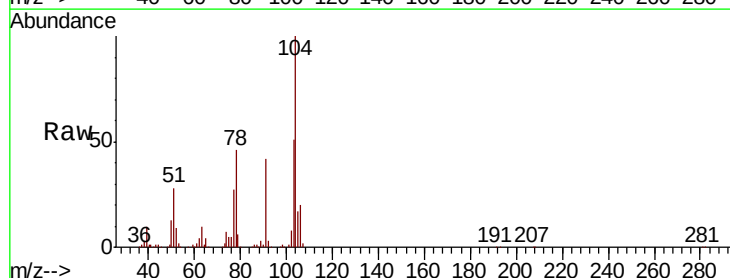
Manual Integrations
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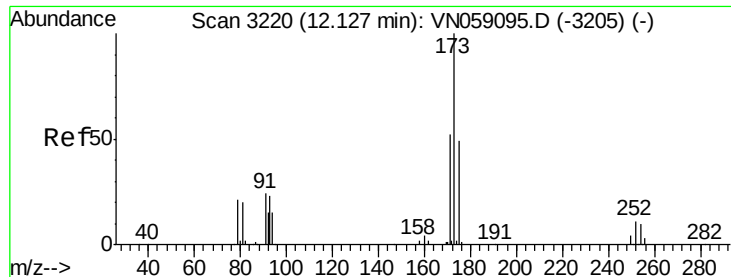
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#70
Styrene
Concen: 21.147 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	41.2	61.8
103	55.6	43.8	65.6





#71

Bromoform

Concen: 21.318 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

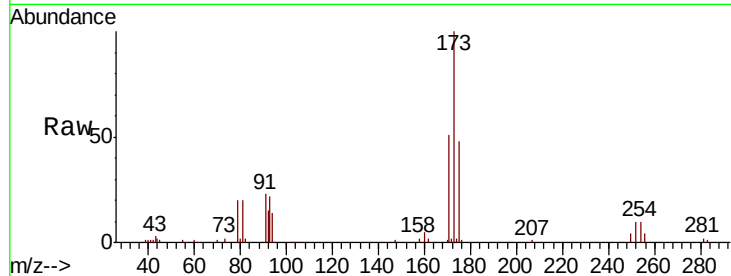
ClientSampleId :

VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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11/19/2019 11:03:24 AM

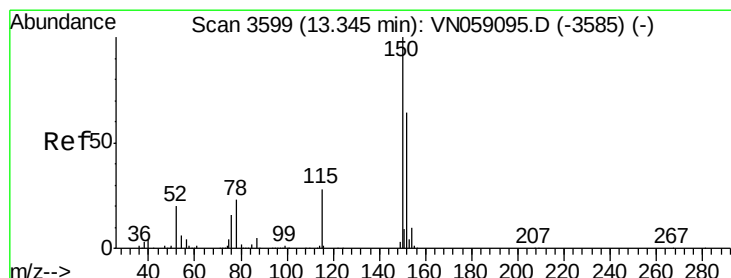
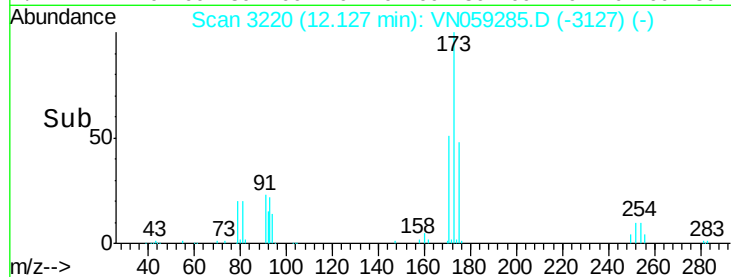
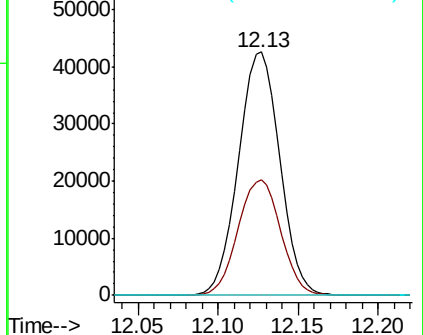


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

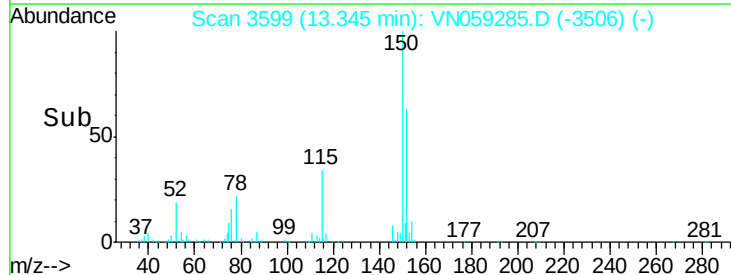
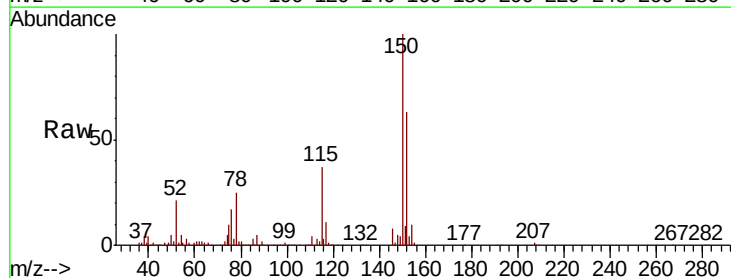
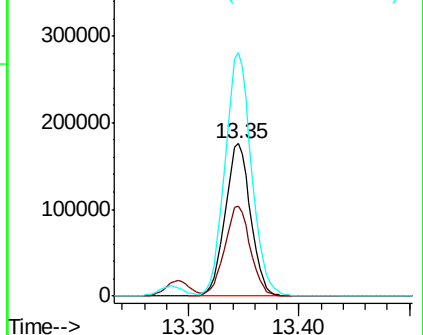
Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.1	29.4	88.2
150	165.9	0.0	345.8

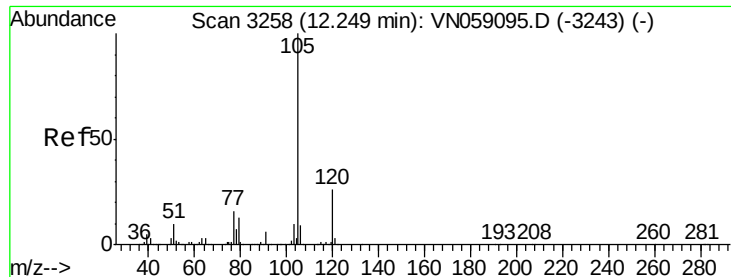
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.692 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBSD01

Tot Ion: 105 Resp: 443962

Ion Ratio Lower Upper

105 100

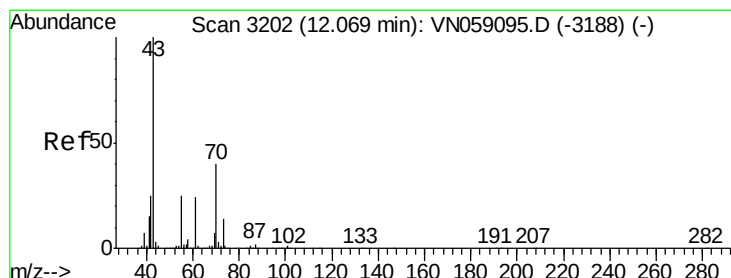
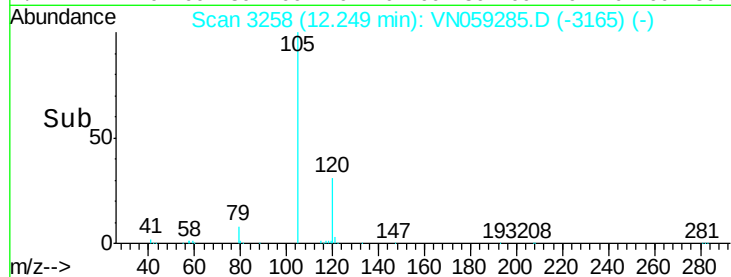
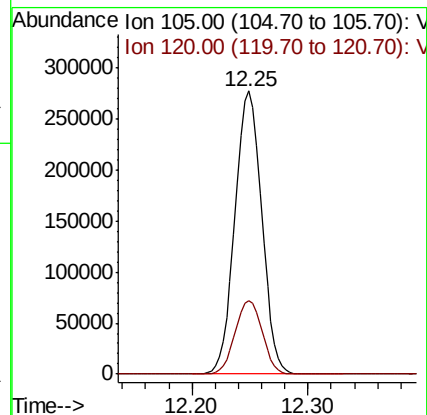
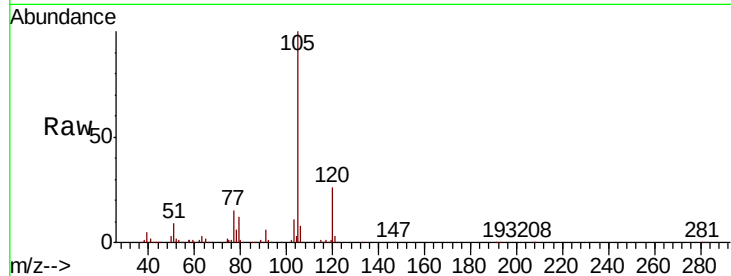
120 26.5 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.064 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Tgt Ion: 43 Resp: 182675

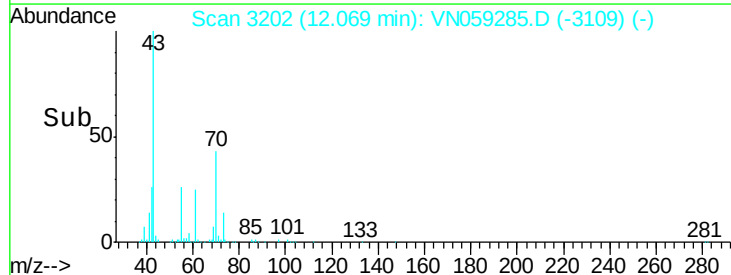
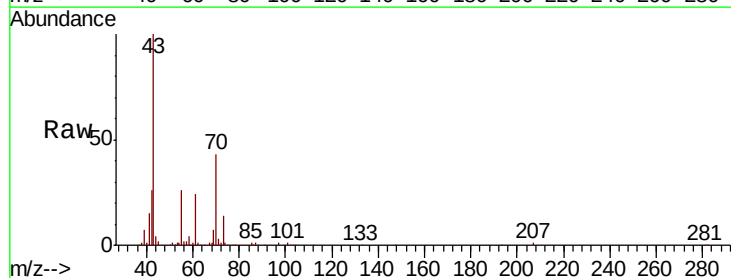
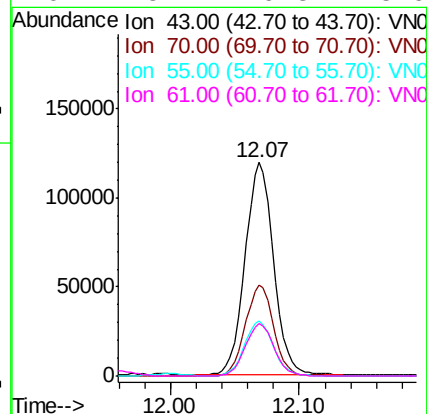
Ion Ratio Lower Upper

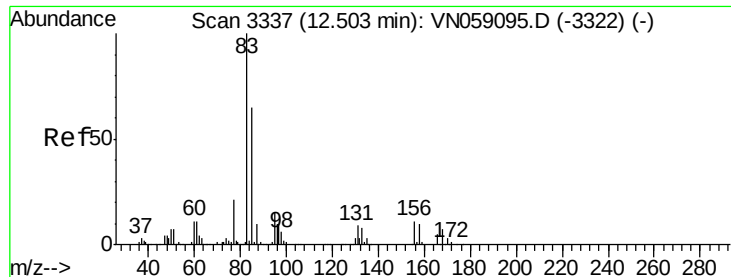
43 100

70 42.8 32.2 48.4

55 25.9 20.4 30.6

61 25.1 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.100 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

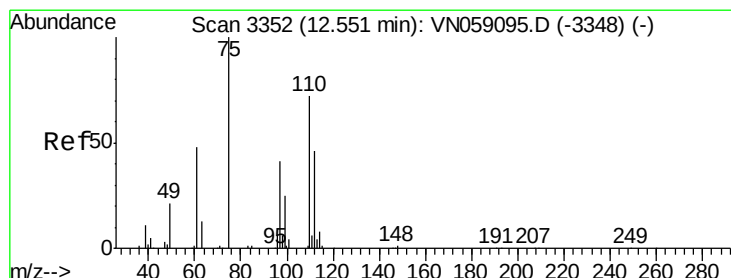
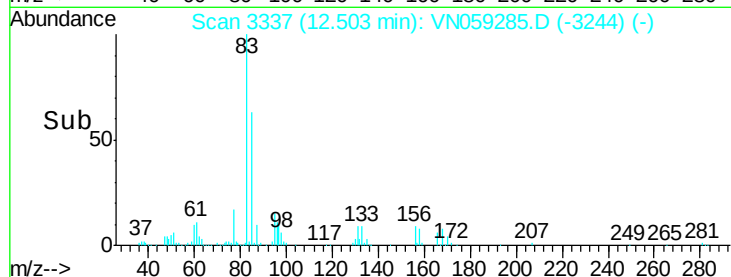
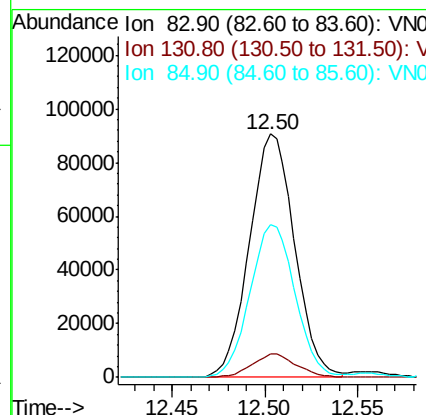
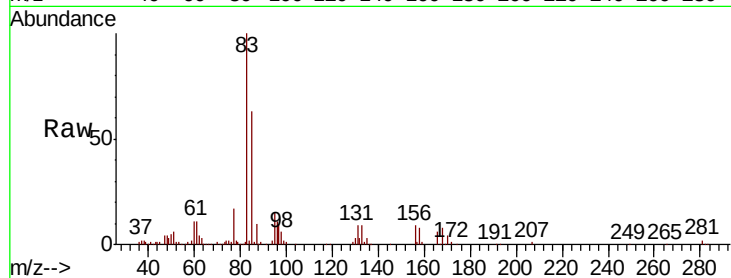
ClientSampleId :

VN1118WBSD01

Tot Ion:	83	Resp:	154036
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.6
85	62.8	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.430 ug/l m

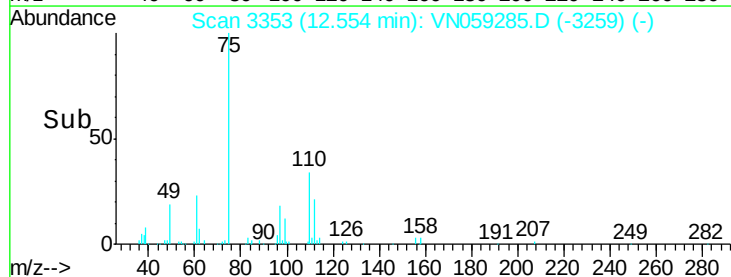
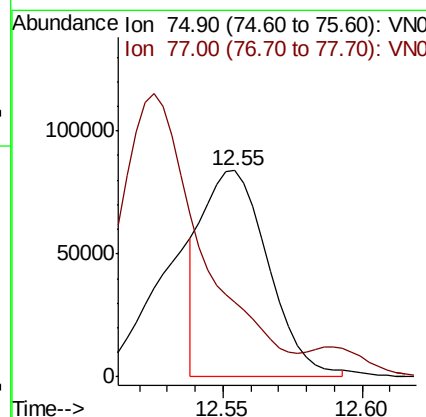
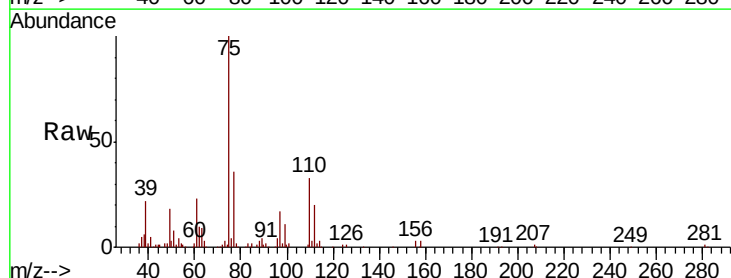
RT: 12.55 min Scan# 3353

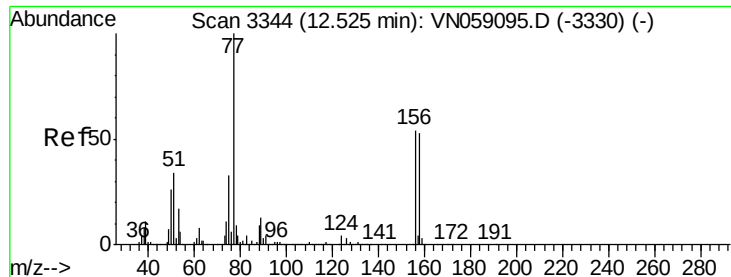
Delta R.T. 0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Tgt Ion:	75	Resp:	137278
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





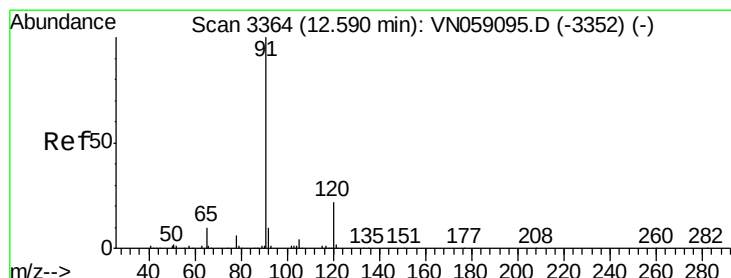
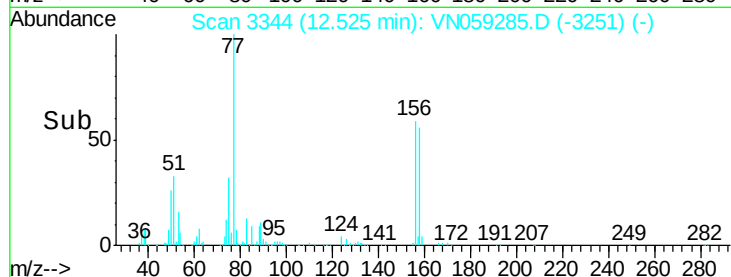
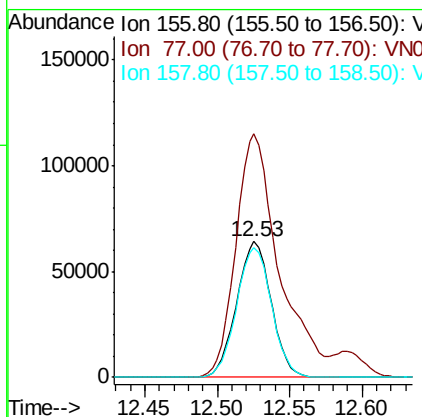
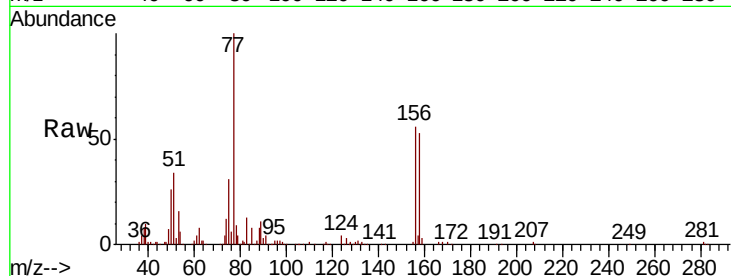
#77
Bromobenzene
Concen: 20.793 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.9	112.8	338.3
158	96.7	48.4	145.3

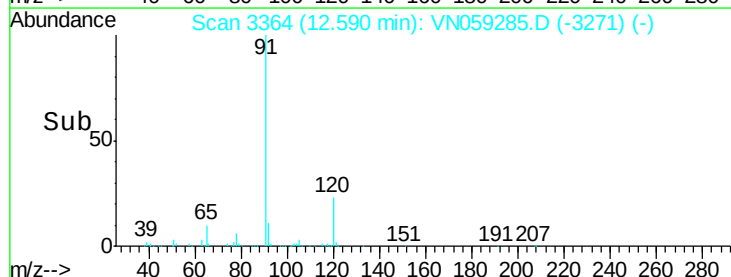
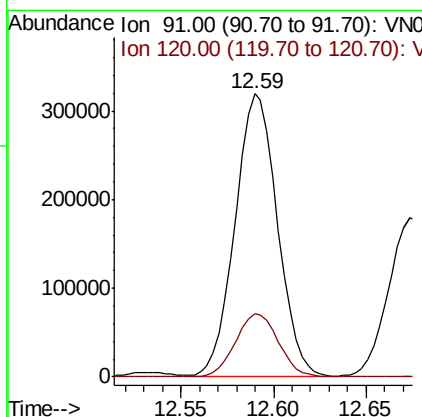
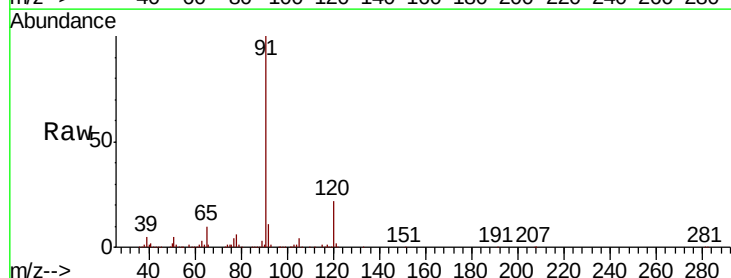
Manual Integrations
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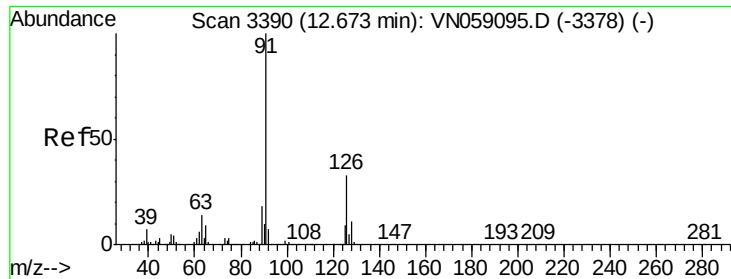
MMDADODA
11/19/2019 11:03:24 AM



#78
n-propylbenzene
Concen: 21.428 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.5





#79

2-Chlorotoluene

Concen: 20.917 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBSD01

Tot Ion: 91 Resp: 304084

Ion Ratio Lower Upper

91 100

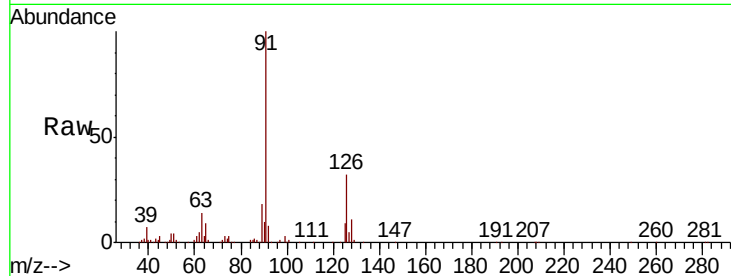
126 32.4 16.7 50.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059095.D (-3378) (-)

300000

250000

200000

150000

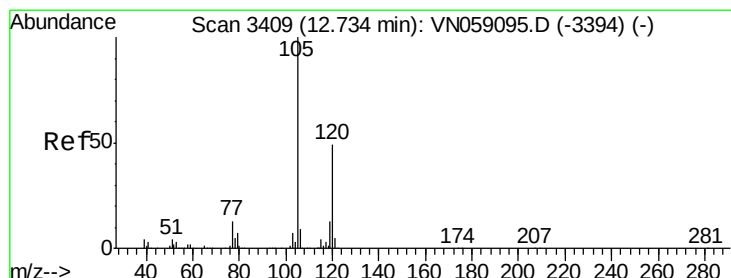
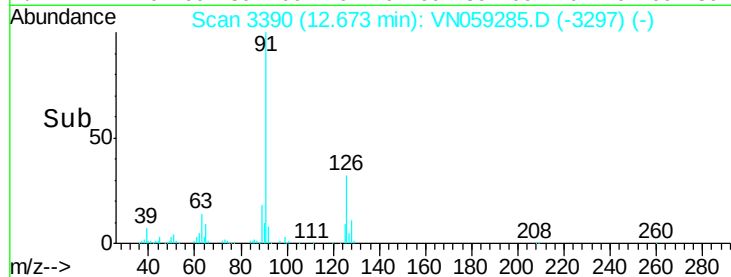
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.238 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059285.D

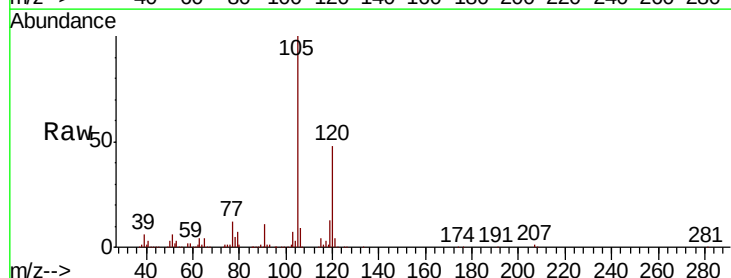
Acq: 18 Nov 2019 15:44

Tgt Ion: 105 Resp: 368318

Ion Ratio Lower Upper

105 100

120 48.5 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059095.D (-3394) (-)

250000

200000

150000

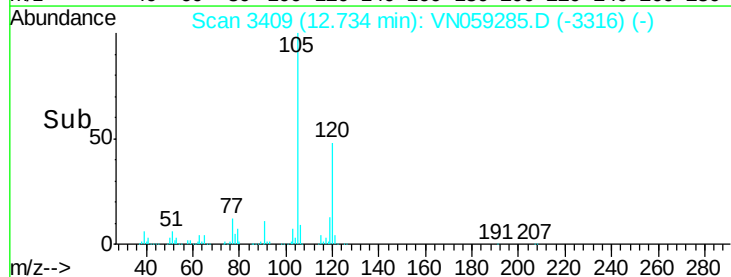
100000

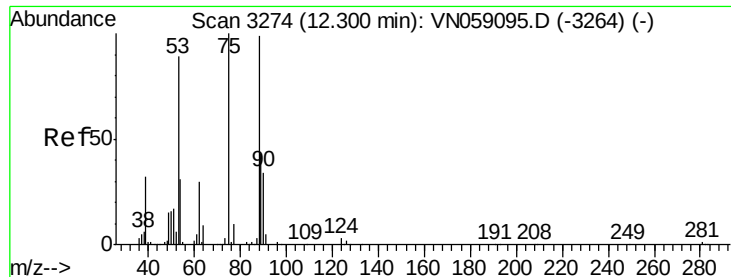
50000

0

12.65 12.70 12.75 12.80

Time-->





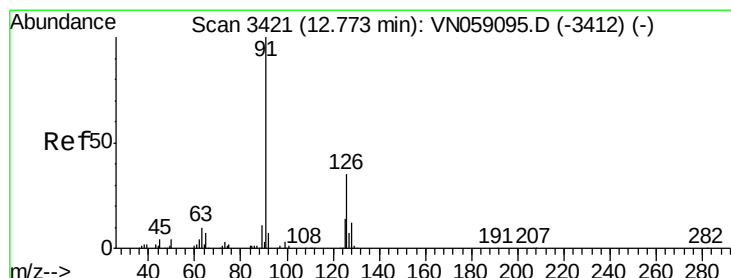
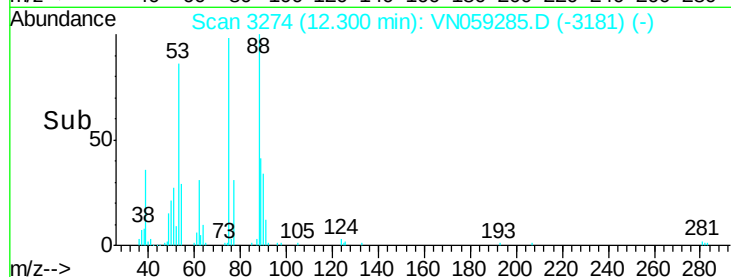
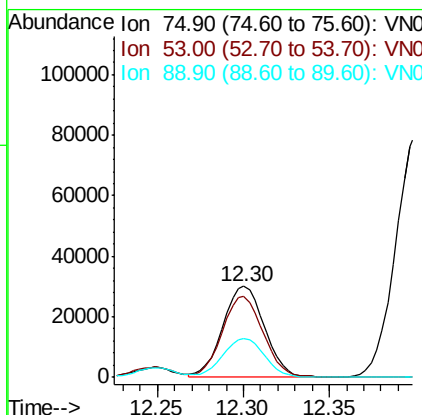
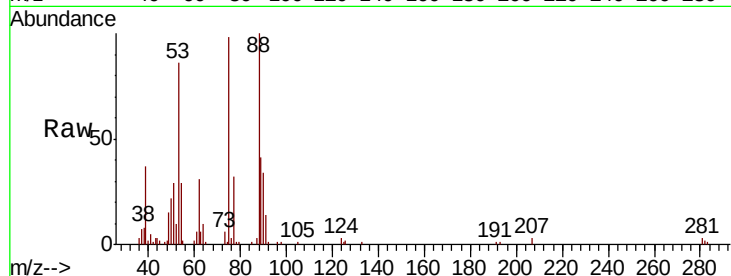
#81
trans-1,4-Dichloro-2-butene
Concen: 20.570 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.2	72.2	108.2
89	43.7	35.8	53.8

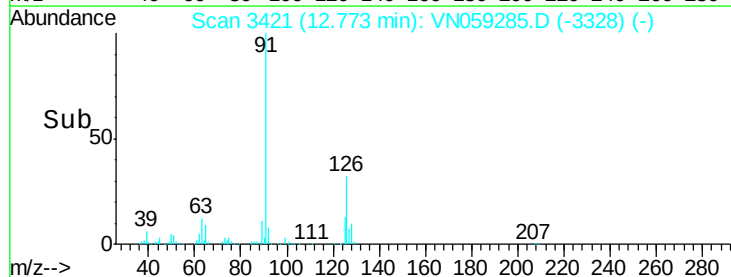
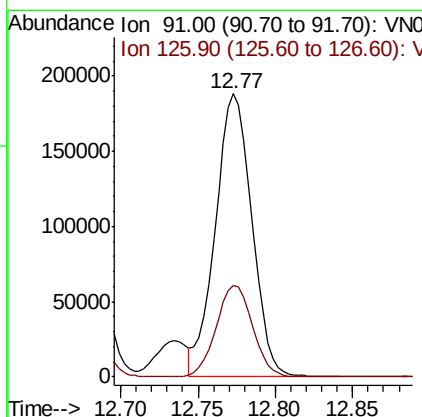
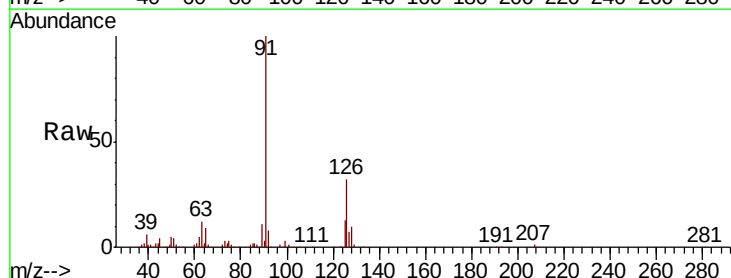
Manual Integrations
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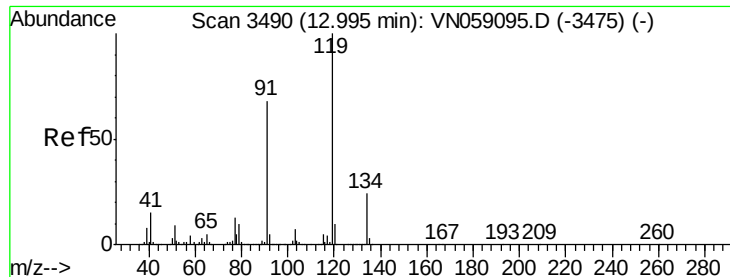
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#82
4-Chlorotoluene
Concen: 21.017 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.1	48.2





#83

tert-Butylbenzene

Concen: 21.702 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

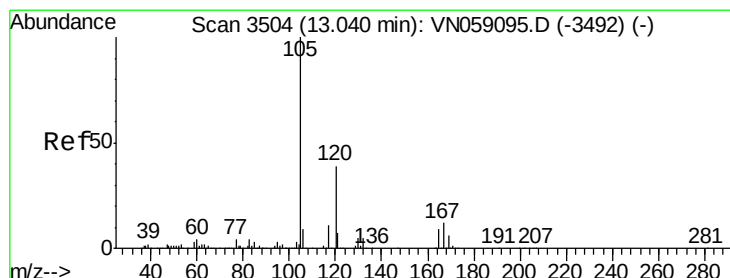
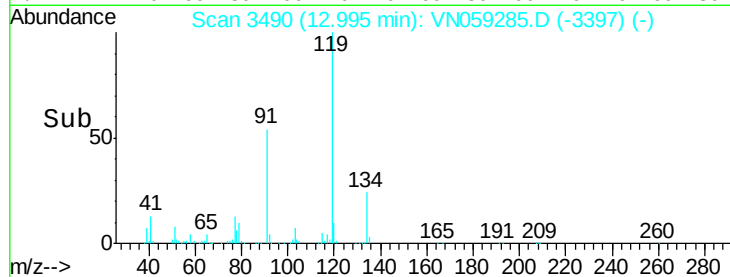
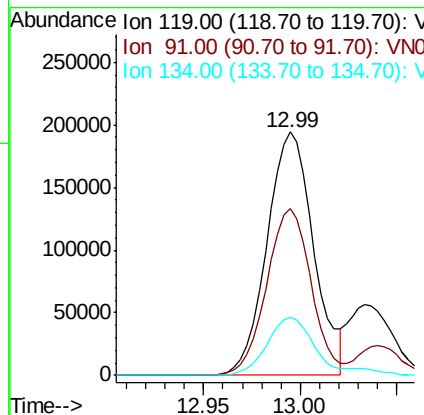
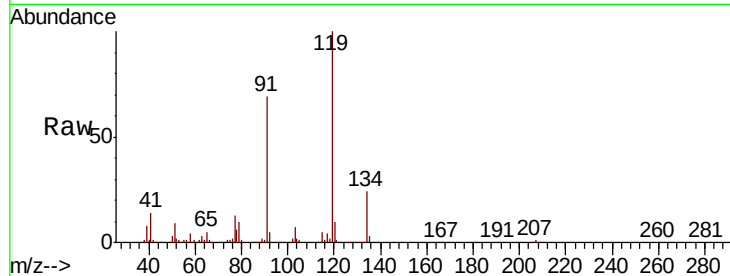
ClientSampleId :

VN1118WBSD01

Tot Ion:	119	Resp:	325018
Ion Ratio	Lower	Upper	
119	100		
91	65.8	33.2	99.6
134	23.6	12.7	38.1

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#84

1,2,4-Trimethylbenzene

Concen: 22.039 ug/l

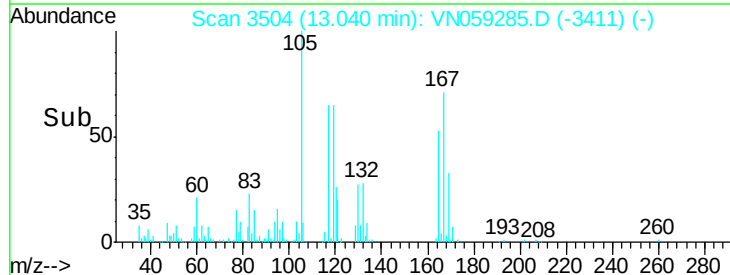
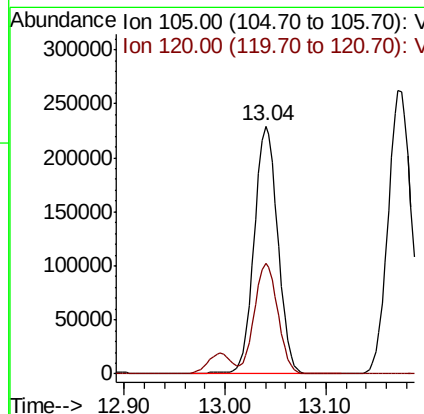
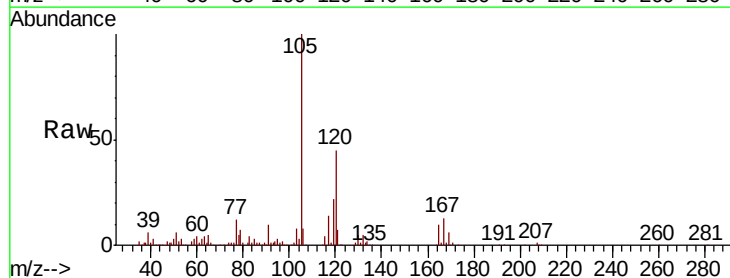
RT: 13.04 min Scan# 3504

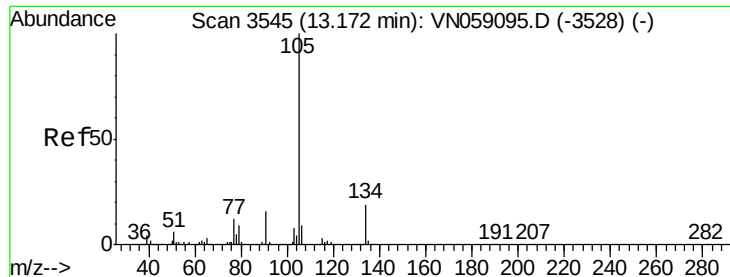
Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Tgt Ion:	105	Resp:	369793
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.8	68.4





#85

sec-Butylbenzene

Concen: 21.904 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Instrument :

MSVOA_N

ClientSampleId :

VN1118WBSD01

Tot Ion:105 Resp: 426648

Ion Ratio Lower Upper

105 100

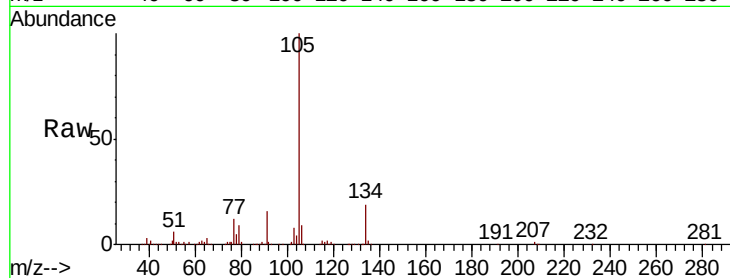
134 19.6 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

250000

200000

150000

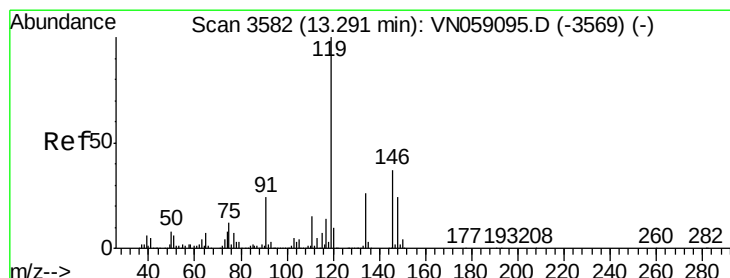
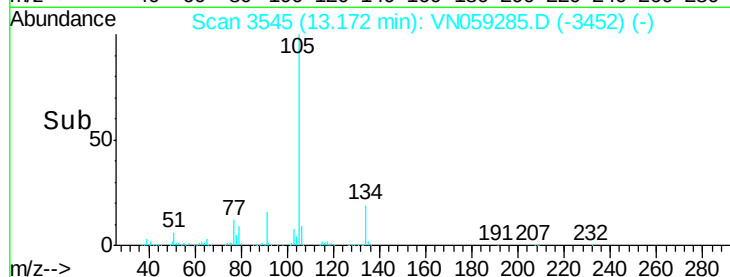
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 21.817 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

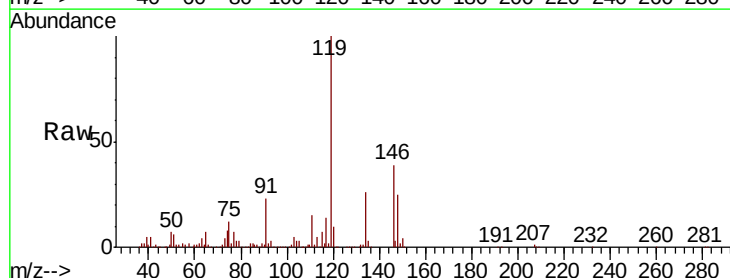
Tgt Ion:119 Resp: 375219

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 23.2 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

250000

200000

150000

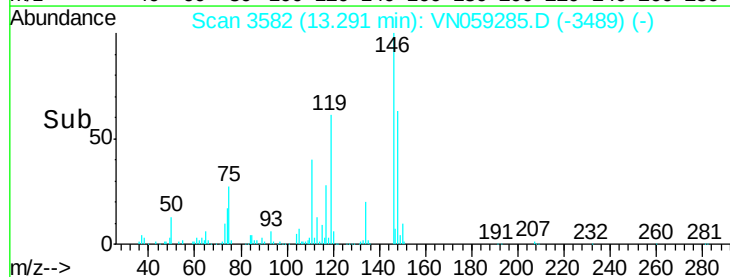
100000

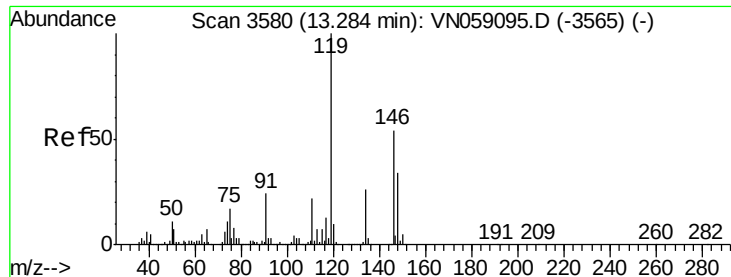
50000

0

13.20 13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.193 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059285.D

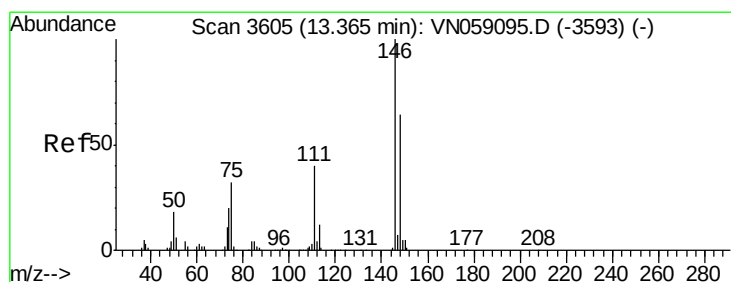
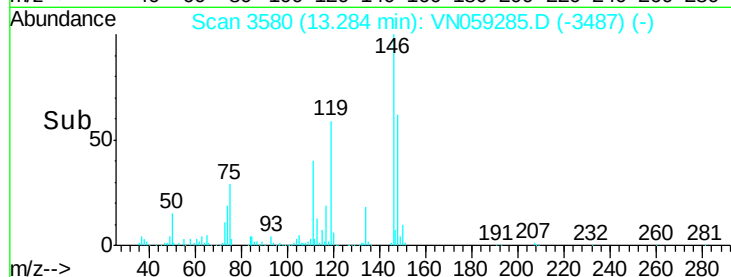
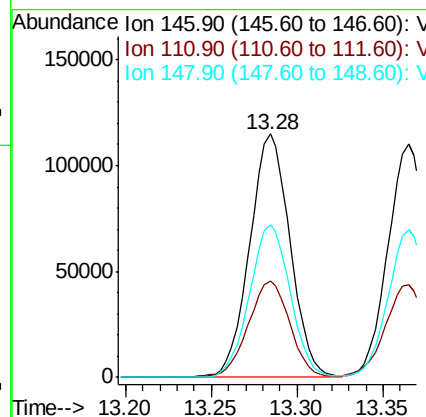
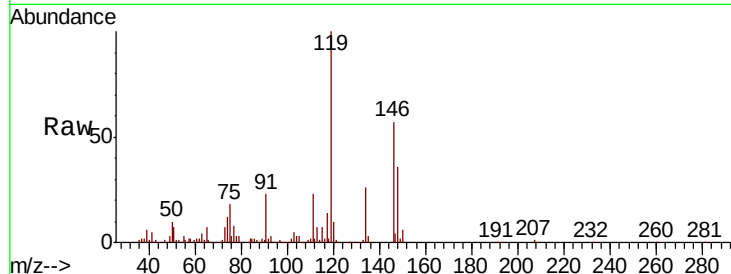
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	186616		
111	41.2	20.4	61.3	
148	63.2	32.2	96.6	

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#88

1,4-Dichlorobenzene

Concen: 20.515 ug/l

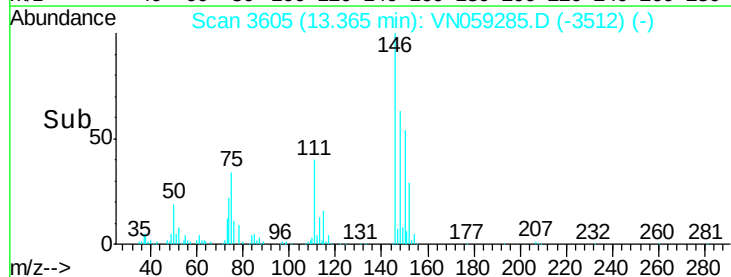
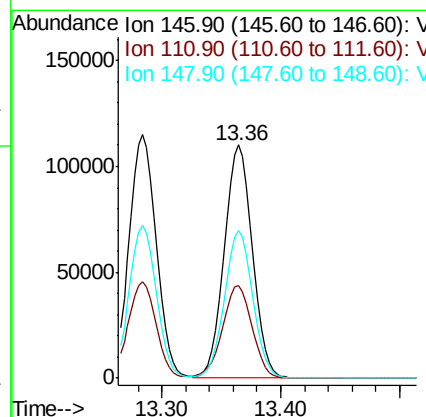
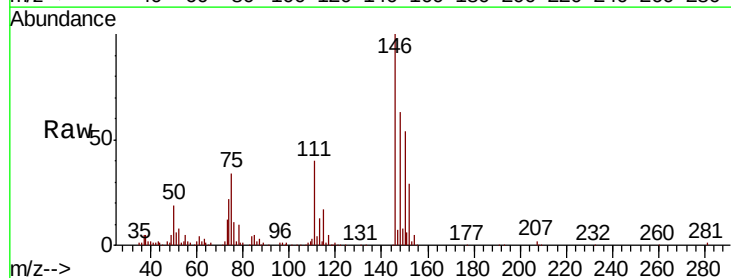
RT: 13.36 min Scan# 3605

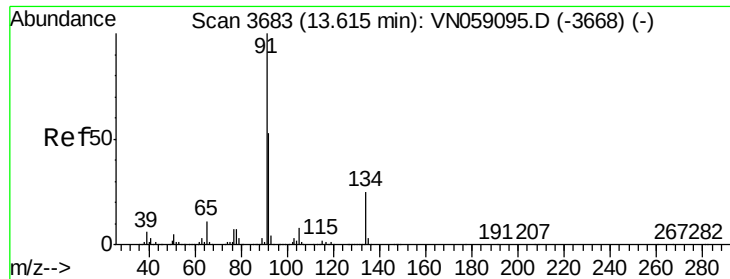
Delta R.T. -0.00 min

Lab File: VN059285.D

Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	180734		
111	41.4	20.3	60.9	
148	63.8	31.9	95.7	





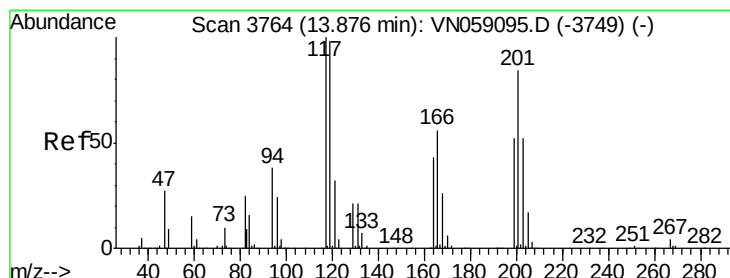
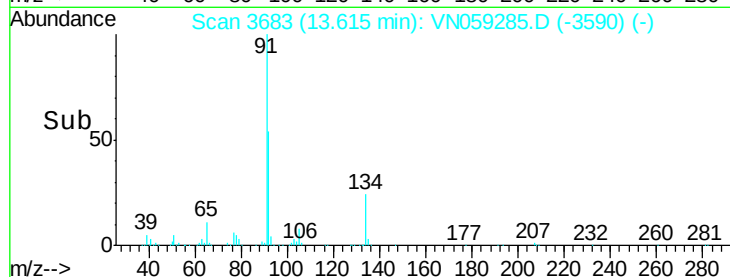
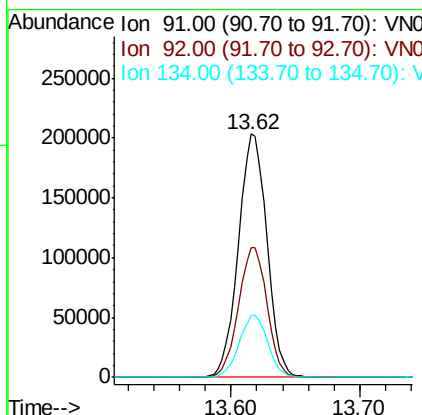
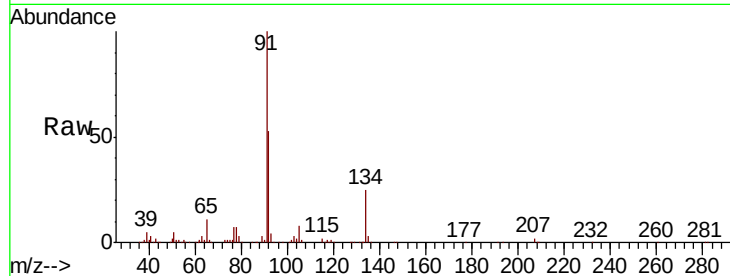
#89
n-Butylbenzene
Concen: 20.851 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.1	78.3
134	25.4	12.6	37.8

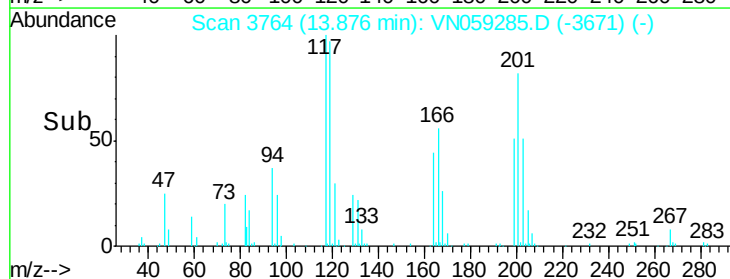
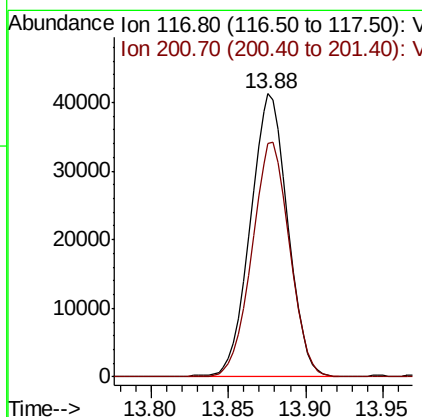
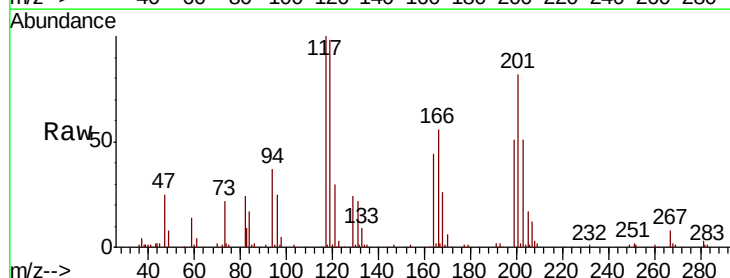
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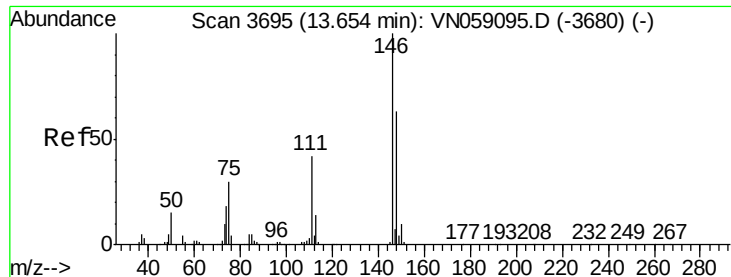
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#90
Hexachloroethane
Concen: 20.105 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	41.8	125.3





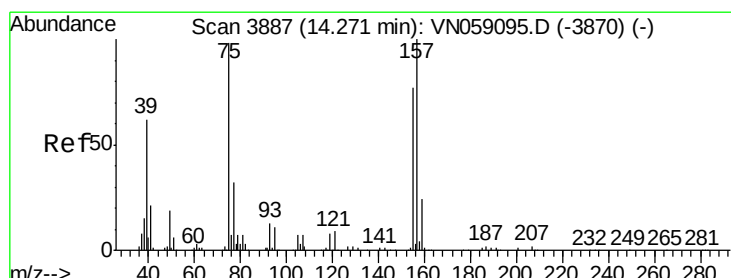
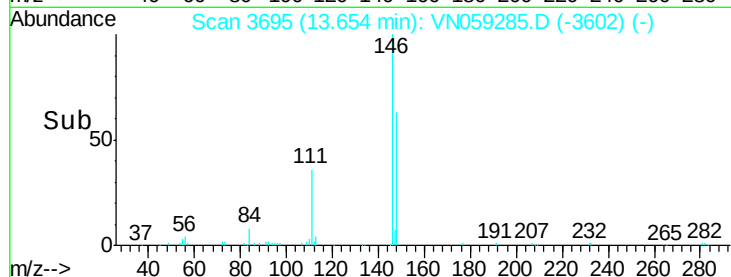
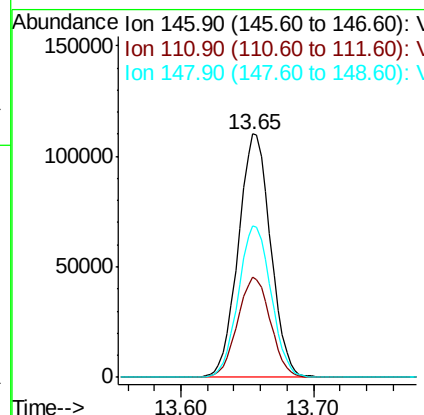
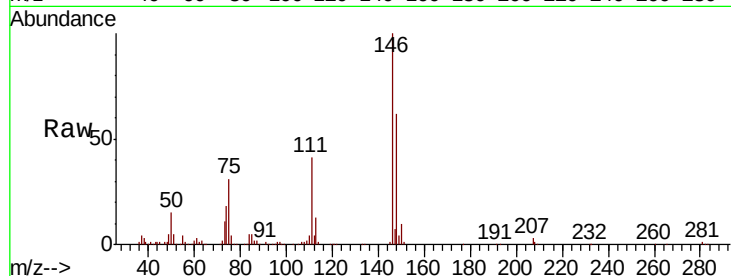
#91
 1,2-Dichlorobenzene
 Concen: 21.517 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.2	63.6
148	63.1	31.6	94.7

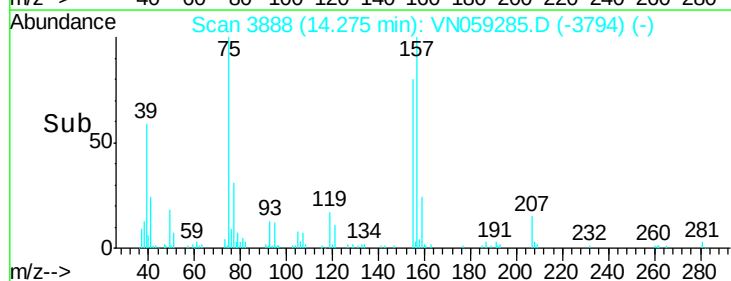
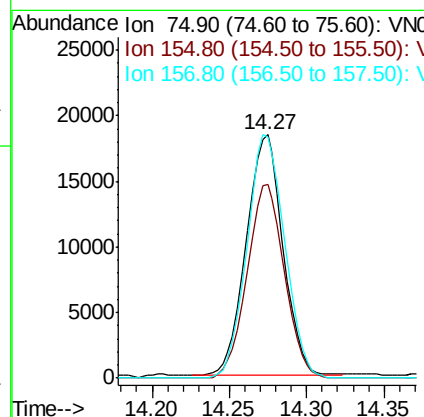
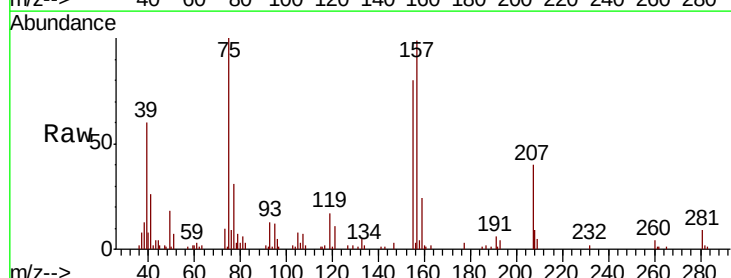
Manual Integrations
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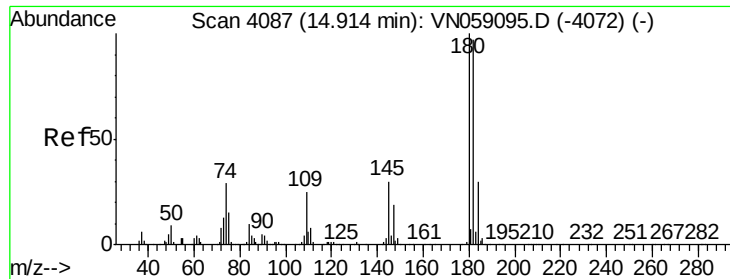
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.909 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	40.2	120.6
157	103.3	51.8	155.5





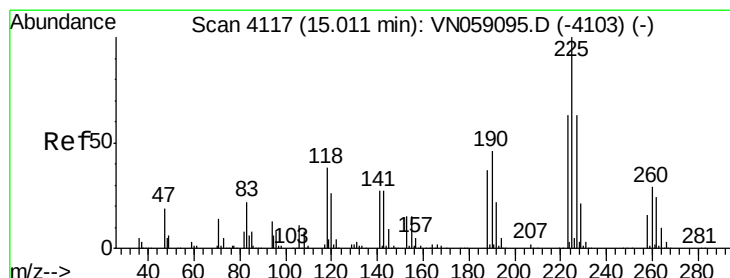
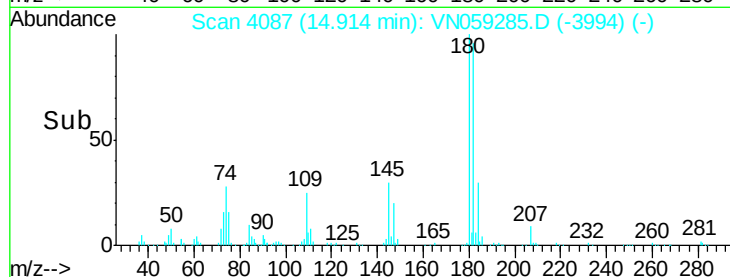
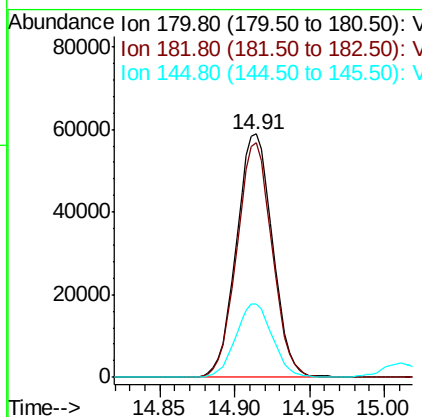
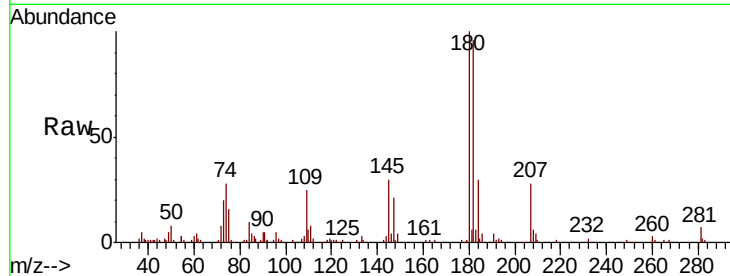
#93
 1,2,4-Trichlorobenzene
 Concen: 20.721 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118WBSD01

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	94.0	48.1	144.3
145	30.8	15.1	45.3

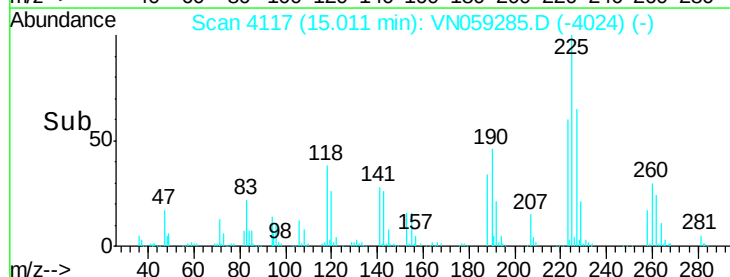
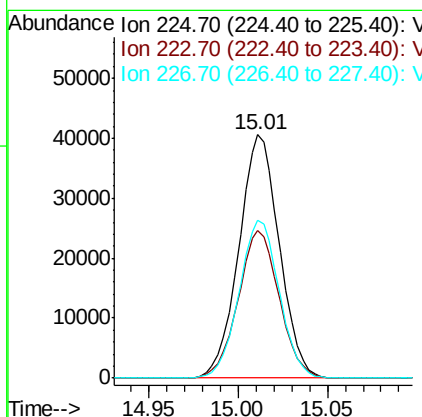
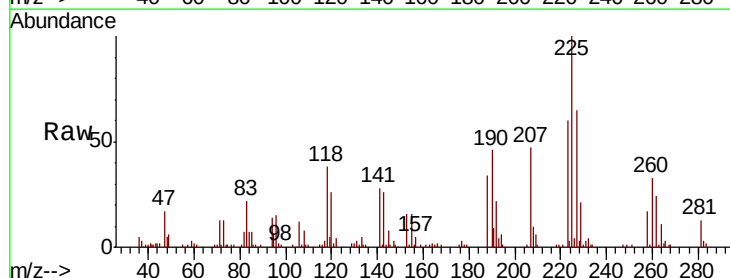
Manual Integrations
 APPROVED

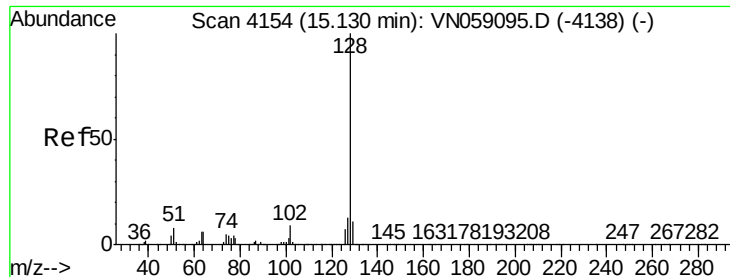
MMDADODA
 11/19/2019 11:03:24 AM



#94
 Hexachlorobutadiene
 Concen: 21.526 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059285.D
 Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	61.4	31.3	93.9
227	64.1	31.5	94.5





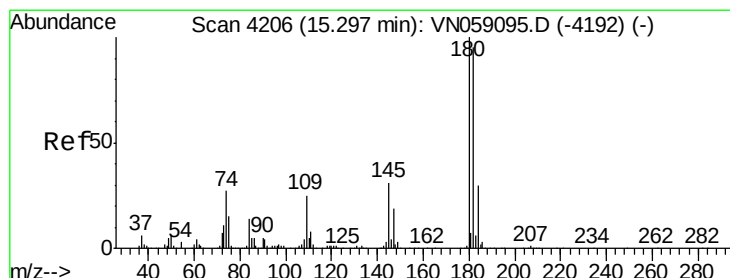
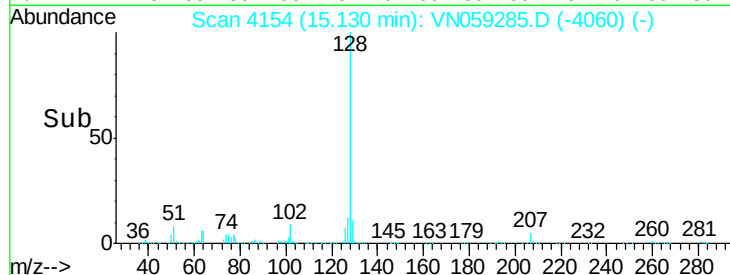
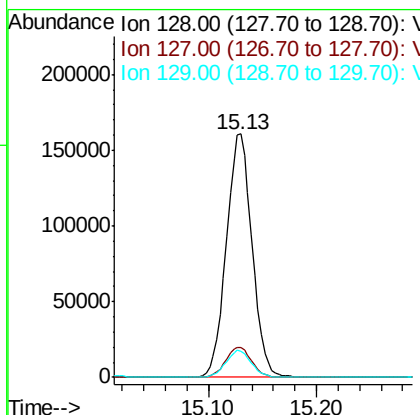
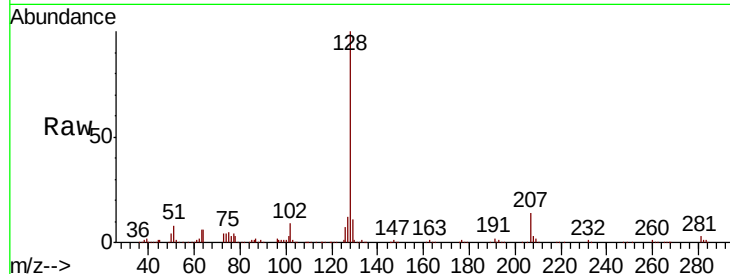
#95
Naphthalene
Concen: 20.238 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Instrument :
MSVOA_N
ClientSampleId :
VN1118WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	266942		
127	12.5	10.2	15.2	
129	11.0	8.6	12.8	

Manual Integrations
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11/19/2019 11:03:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.249 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059285.D
Acq: 18 Nov 2019 15:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98296		
182	97.2	47.3	141.8	
145	33.6	15.8	47.3	

