

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN013120\
 Data File : VN059942.D
 Acq On : 31 Jan 2020 13:03
 Operator : JC/MD
 Sample : VN0131WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131WBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 12:50:46 PM

Quant Time: Feb 03 02:57:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	173592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	274309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	249132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	118713	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	100845	52.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.62%	
35) Dibromofluoromethane	7.56	113	83727	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
50) Toluene-d8	10.08	98	316169	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	
62) 4-Bromofluorobenzene	12.40	95	113296	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	35621	17.060	ug/l	98
3) Chloromethane	2.04	50	35732	17.979	ug/l	99
4) Vinyl Chloride	2.17	62	44820	19.710	ug/l	97
5) Bromomethane	2.55	94	27408	19.750	ug/l	99
6) Chloroethane	2.69	64	20939	19.464	ug/l	92
7) Trichlorofluoromethane	3.00	101	53431	19.566	ug/l	98
8) Diethyl Ether	3.39	74	20155	21.030	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	31377	20.644	ug/l	93
10) Methyl Iodide	3.93	142	41932	17.068	ug/l	96
11) Tert butyl alcohol	4.73	59	32290	99.497	ug/l	100
12) 1,1-Dichloroethene	3.72	96	29830	18.782	ug/l	91
13) Acrolein	3.58	56	11489	50.011	ug/l	90
14) Allyl chloride	4.29	41	43437	20.291	ug/l #	87
15) Acrylonitrile	4.95	53	77726	104.995	ug/l	99
16) Acetone	3.78	43	96041	141.732	ug/l	100
17) Carbon Disulfide	4.03	76	73815	16.316	ug/l	99
18) Methyl Acetate	4.29	43	47667	21.169	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	112082	21.645	ug/l	96
20) Methylene Chloride	4.52	84	35947	19.829	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	33216	19.675	ug/l	87
22) Diisopropyl ether	5.91	45	101818	20.988	ug/l #	92
23) Vinyl Acetate	5.86	43	373375	99.408	ug/l	96
24) 1,1-Dichloroethane	5.82	63	61141	20.627	ug/l	97
25) 2-Butanone	6.80	43	115468	105.770	ug/l	95
26) 2,2-Dichloropropane	6.79	77	57259	20.093	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	39750	20.471	ug/l	89
28) Bromochloromethane	7.17	49	23102	19.500	ug/l #	75
29) Tetrahydrofuran	7.18	42	67542	99.995	ug/l #	86
30) Chloroform	7.35	83	64827	21.108	ug/l	96
31) Cyclohexane	7.63	56	52311	18.340	ug/l #	86
32) 1,1,1-Trichloroethane	7.54	97	57953	20.408	ug/l	96
36) 1,1-Dichloropropene	7.77	75	45871	19.203	ug/l	95
37) Ethyl Acetate	6.90	43	44253	19.752	ug/l	98
38) Carbon Tetrachloride	7.75	117	50939	19.603	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	53282	18.090	ug/l	93
40) Benzene	8.02	78	139502	19.581	ug/l	100
41) Methacrylonitrile	7.15	41	21948m	19.888	ug/l	
42) 1,2-Dichloroethane	8.10	62	51518	21.328	ug/l	96
43) Isopropyl Acetate	8.14	43	75633	19.626	ug/l #	94
44) Trichloroethene	8.82	130	39461	20.290	ug/l	98
45) 1,2-Dichloropropane	9.10	63	36343	20.616	ug/l	100
46) Dibromomethane	9.19	93	25656	20.631	ug/l	92
47) Bromodichloromethane	9.39	83	52324	20.880	ug/l	96
48) Methyl methacrylate	9.18	41	32927	19.102	ug/l	90
49) 1,4-Dioxane	9.18	88	13333	422.523	ug/l	88
51) 4-Methyl-2-Pentanone	9.97	43	221307	99.343	ug/l	95
52) Toluene	10.14	92	90120	20.027	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	57861	20.678	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	60870	20.675	ug/l	93
55) 1,1,2-Trichloroethane	10.55	97	36818	20.658	ug/l	96
56) Ethyl methacrylate	10.42	69	51584	18.942	ug/l	95
57) 1,3-Dichloropropane	10.70	76	59836	21.147	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	85903	104.726	ug/l	92
59) 2-Hexanone	10.74	43	167911	102.312	ug/l	94
60) Dibromochloromethane	10.89	129	42331	20.857	ug/l	99
61) 1,2-Dibromoethane	11.00	107	38552	20.638	ug/l	98
64) Tetrachloroethene	10.62	164	44715	22.022	ug/l	96
65) Chlorobenzene	11.43	112	99217	20.262	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	39324	20.783	ug/l	98
67) Ethyl Benzene	11.50	91	174546	19.636	ug/l	98
68) m/p-Xylenes	11.62	106	131549	39.177	ug/l	94
69) o-Xylene	11.94	106	64922	19.749	ug/l	93
70) Styrene	11.96	104	103601	18.834	ug/l	97
71) Bromoform	12.12	173	31099	20.519	ug/l #	98
73) Isopropylbenzene	12.25	105	174765	20.073	ug/l	99
74) N-amyl acetate	12.07	43	62981	18.643	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	50687	20.082	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	43608m	21.828	ug/l	
77) Bromobenzene	12.52	156	44978	20.400	ug/l	83
78) n-propylbenzene	12.59	91	193263	19.777	ug/l	97
79) 2-Chlorotoluene	12.67	91	113490	19.522	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	144750	19.769	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	18286	19.656	ug/l	96
82) 4-Chlorotoluene	12.77	91	118436	20.312	ug/l	97
83) tert-Butylbenzene	12.99	119	126020	19.900	ug/l	94
84) 1,2,4-Trimethylbenzene	13.04	105	144239	19.912	ug/l	99
85) sec-Butylbenzene	13.17	105	164480	19.769	ug/l	99
86) p-Isopropyltoluene	13.28	119	152729	19.839	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	77930	20.348	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	76883	20.123	ug/l	98
89) n-Butylbenzene	13.61	91	129436	19.719	ug/l	98
90) Hexachloroethane	13.87	117	27345	18.984	ug/l	91
91) 1,2-Dichlorobenzene	13.65	146	77224	20.396	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	10976	18.964	ug/l	86

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	46159	20.289	ug/l	98
94) Hexachlorobutadiene	15.01	225	24817	19.795	ug/l	98
95) Naphthalene	15.13	128	126774	19.591	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	44976	20.310	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBSD01

Tot Ion:168 Resp: 173592

Ion Ratio Lower Upper

168 100

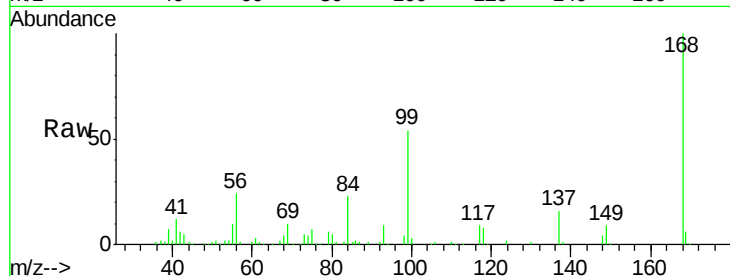
99 53.8 48.2 72.4

Manual Integrations

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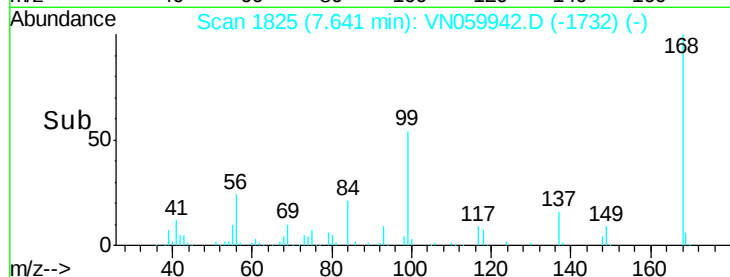


Abundance Ion 167.90 (167.60 to 168.60): V

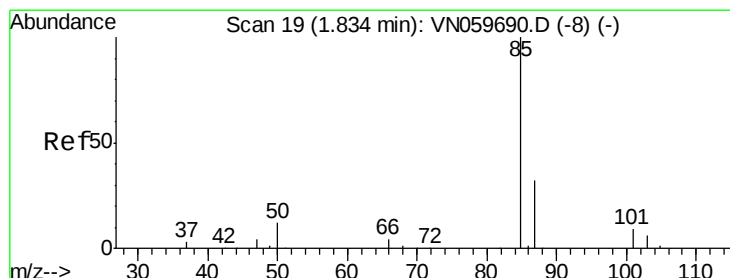
Ion 98.90 (98.60 to 99.60): VN

7.64

7.60 7.70



Time-->



#2

Dichlorodifluoromethane

Concen: 17.060 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059942.D

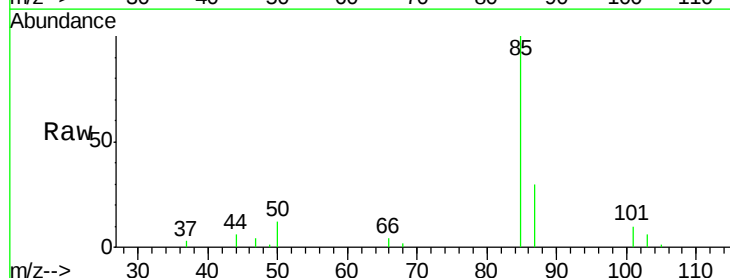
Acq: 31 Jan 2020 13:03

Tgt Ion: 85 Resp: 35621

Ion Ratio Lower Upper

85 100

87 30.4 15.9 47.7

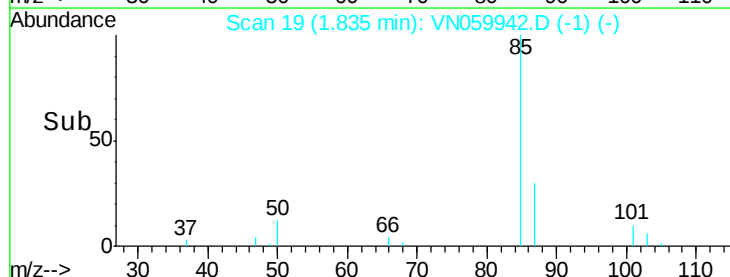


Abundance Ion 84.90 (84.60 to 85.60): VN

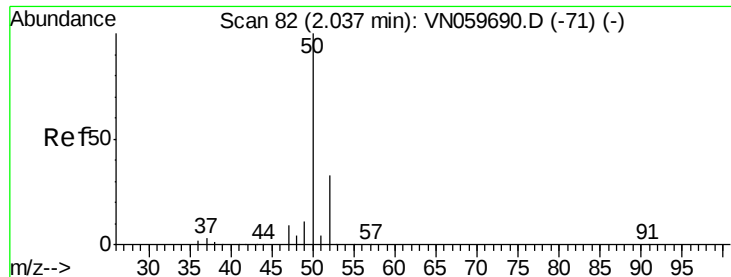
Ion 86.90 (86.60 to 87.60): VN

1.83

1.80 1.85 1.90



Time-->



#3

Chloromethane

Concen: 17.979 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBSD01

Tot Ion: 50 Resp: 35732

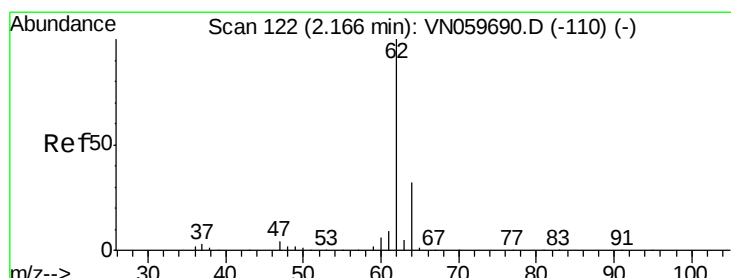
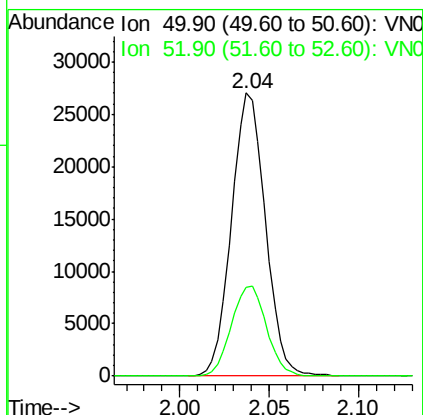
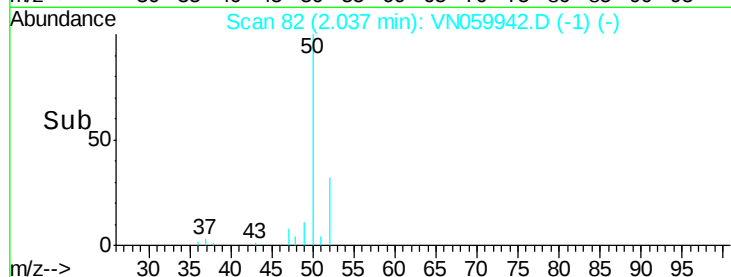
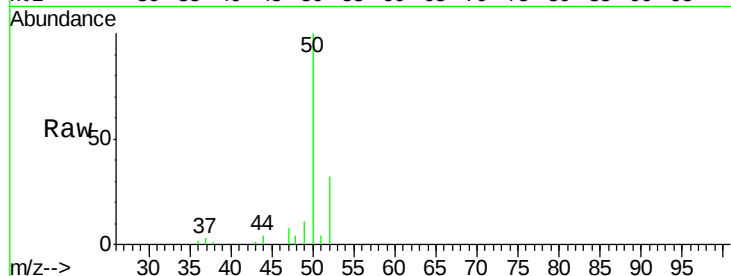
Ion Ratio Lower Upper

50 100

52 31.6 25.9 38.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.710 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059942.D

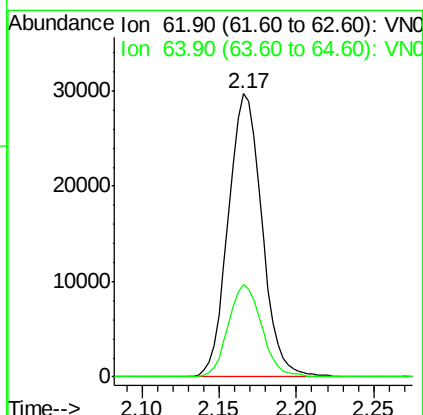
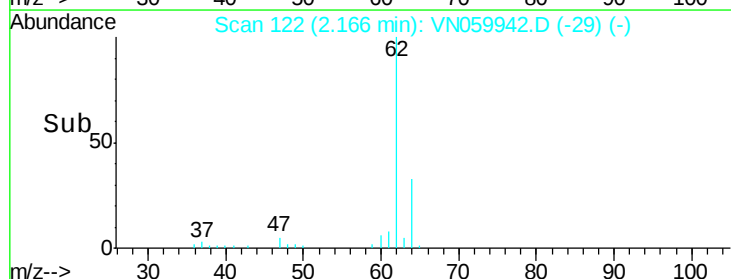
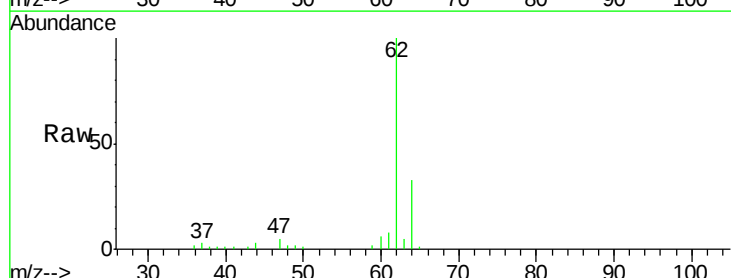
Acq: 31 Jan 2020 13:03

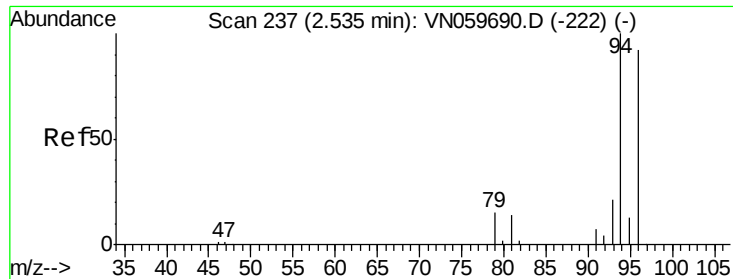
Tgt Ion: 62 Resp: 44820

Ion Ratio Lower Upper

62 100

64 32.5 24.6 37.0





#5

Bromomethane

Concen: 19.750 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

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ClientSampleId :

VN0131WBSD01

Tot Ion: 94 Resp: 27408

Ion Ratio Lower Upper

94 100

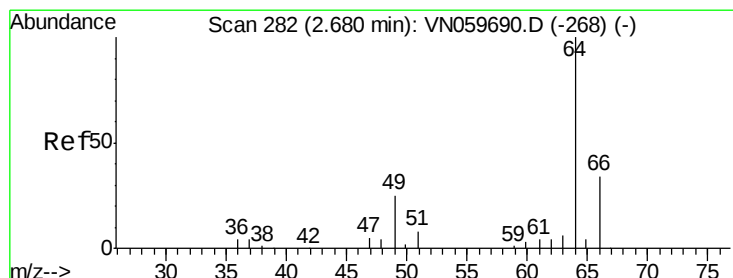
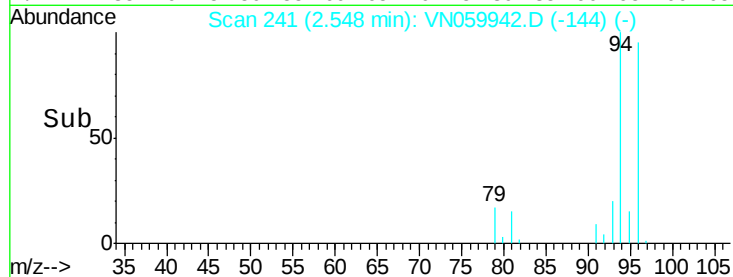
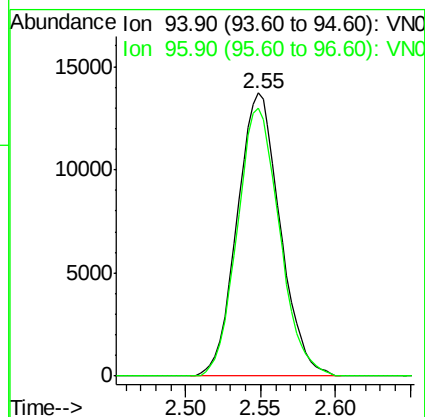
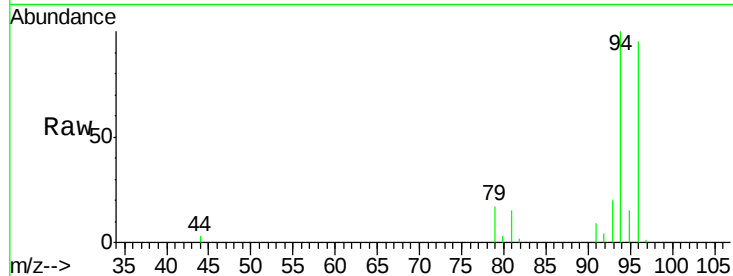
96 94.6 74.7 112.1

Manual Integrations

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#6

Chloroethane

Concen: 19.464 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059942.D

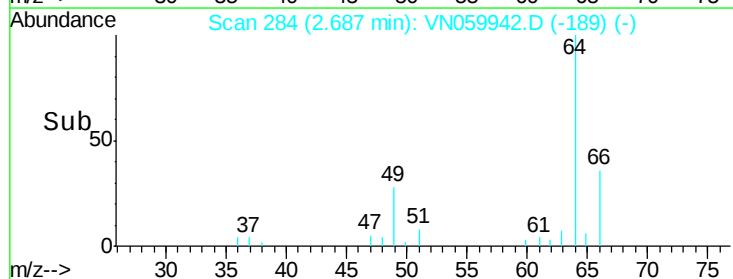
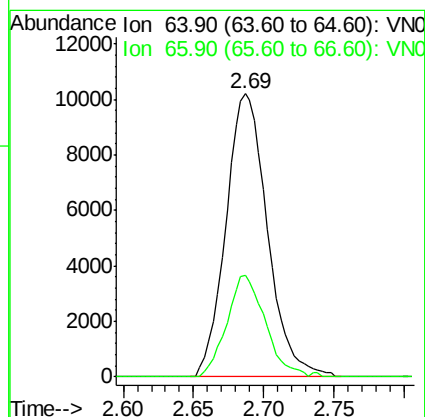
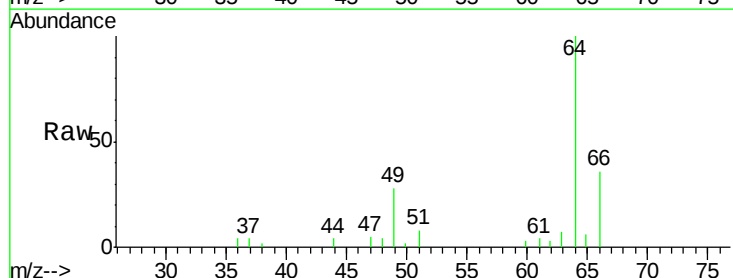
Acq: 31 Jan 2020 13:03

Tgt Ion: 64 Resp: 20939

Ion Ratio Lower Upper

64 100

66 35.9 25.1 37.7





#7

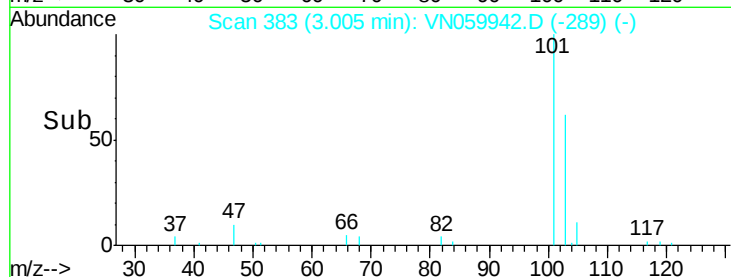
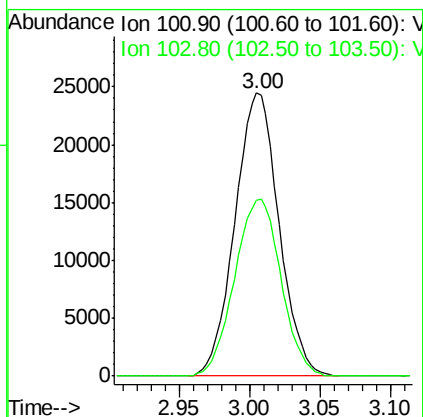
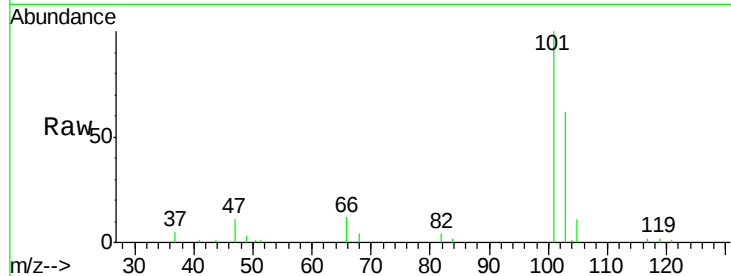
Trichlorofluoromethane
Concen: 19.566 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

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Tot Ion:101 Resp: 53431
Ion Ratio Lower Upper
101 100
103 62.2 51.0 76.6

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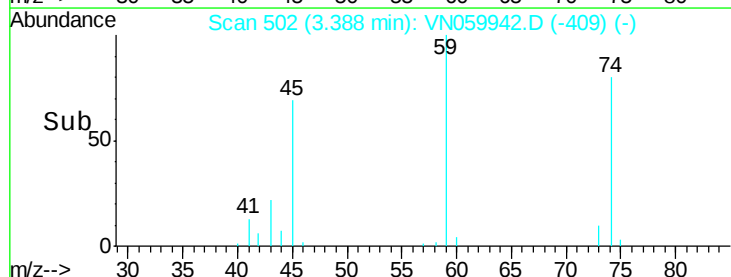
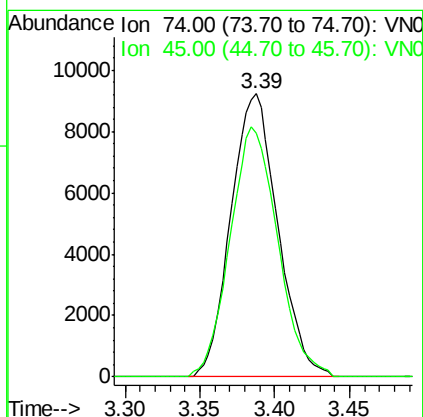
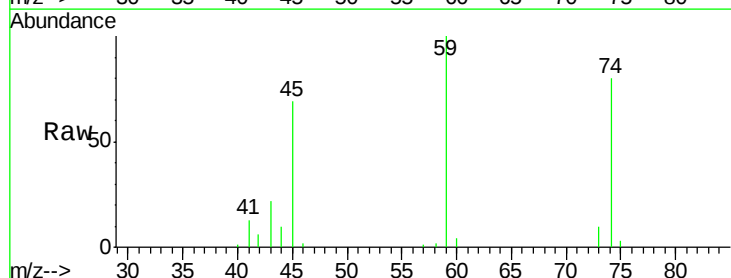
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#8

Diethyl Ether
Concen: 21.030 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion: 74 Resp: 20155
Ion Ratio Lower Upper
74 100
45 89.6 51.9 155.8





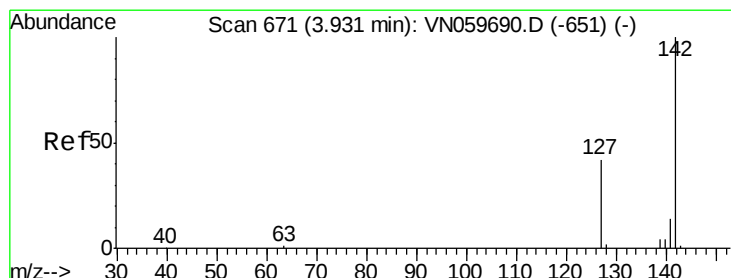
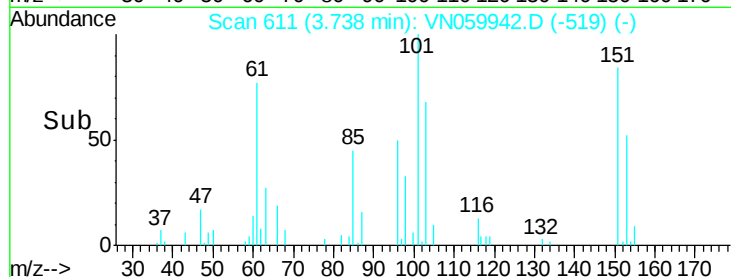
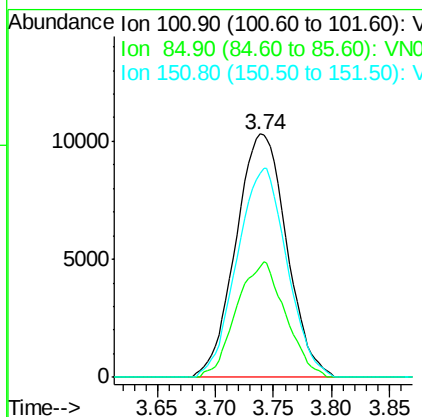
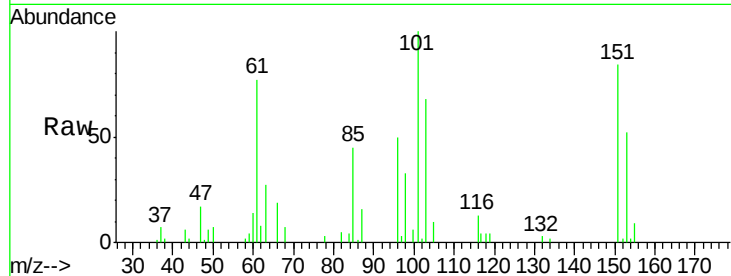
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.644 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Instrument :
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 VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	45.5	36.6	54.8
151	84.5	59.7	89.5

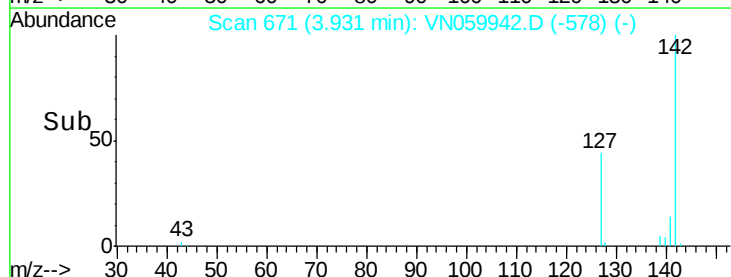
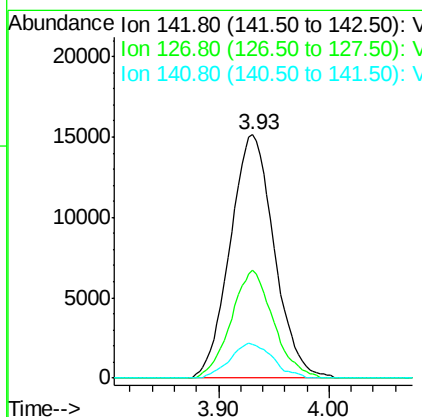
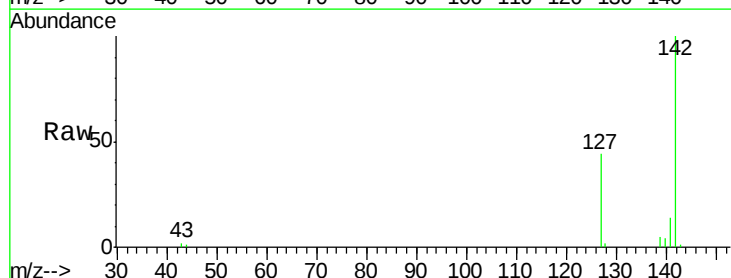
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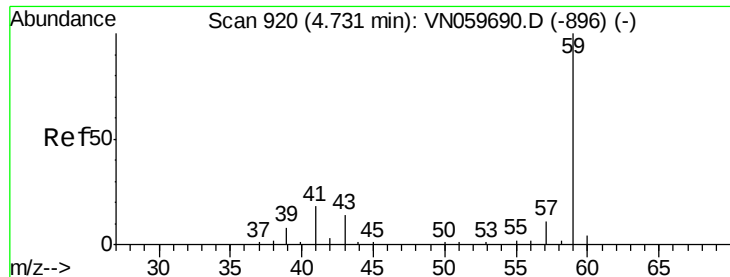
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#10
 Methyl Iodide
 Concen: 17.068 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	36.7	55.1
141	13.9	11.7	17.5





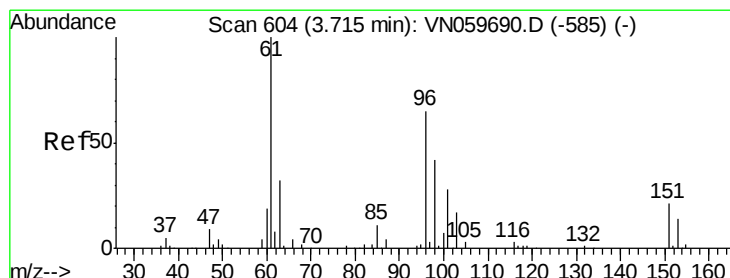
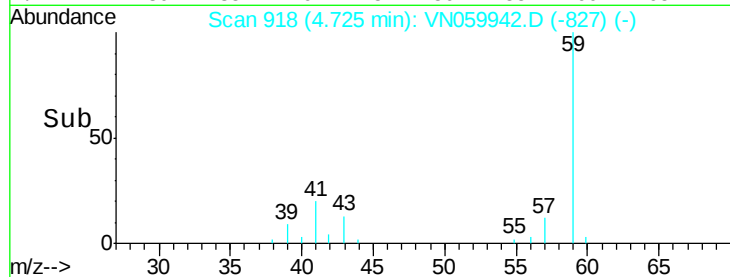
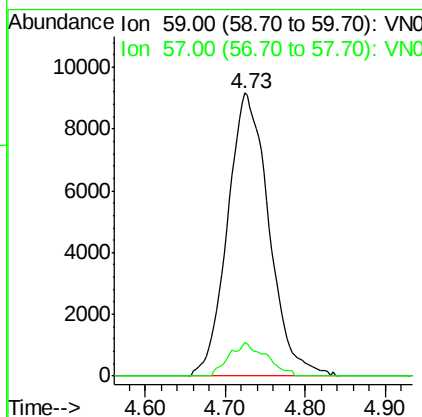
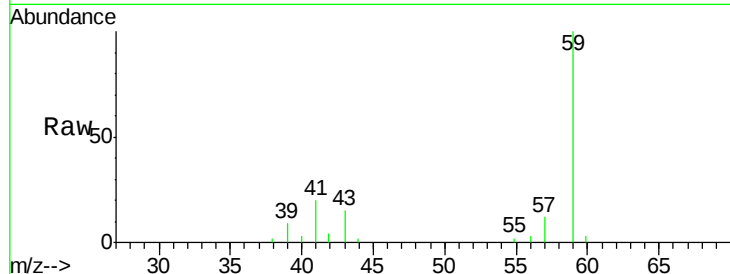
#11
Tert butyl alcohol
Concen: 99.497 ug/l
RT: 4.73 min Scan# 918
Delta R.T. -0.01 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion: 59 Resp: 32290
Ion Ratio Lower Upper
59 100
57 10.6 8.6 12.8

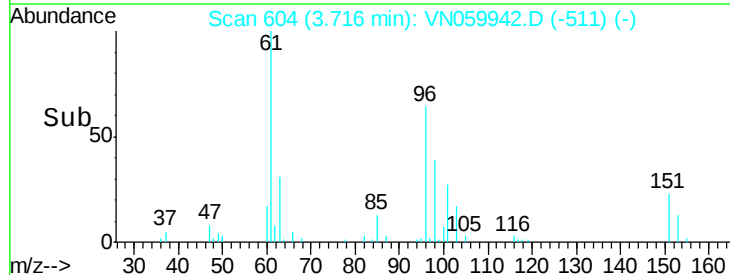
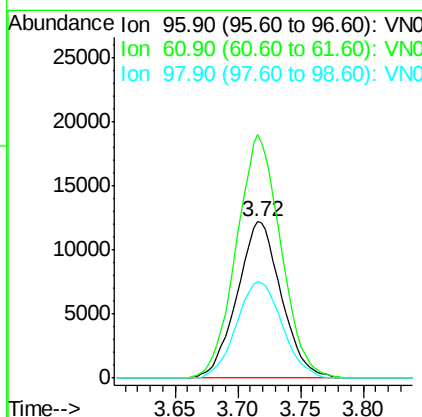
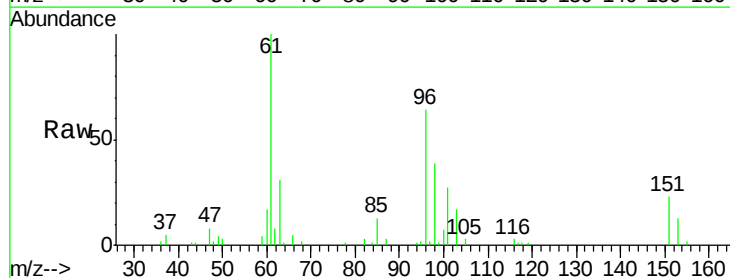
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 18.782 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion: 96 Resp: 29830
Ion Ratio Lower Upper
96 100
61 155.6 137.5 206.3
98 61.4 50.2 75.4





#13

Acrolein

Concen: 50.011 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBSD01

Tot Ion: 56 Resp: 11489

Ion Ratio Lower Upper

56 100

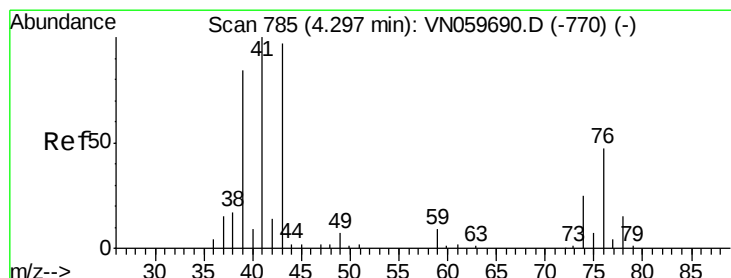
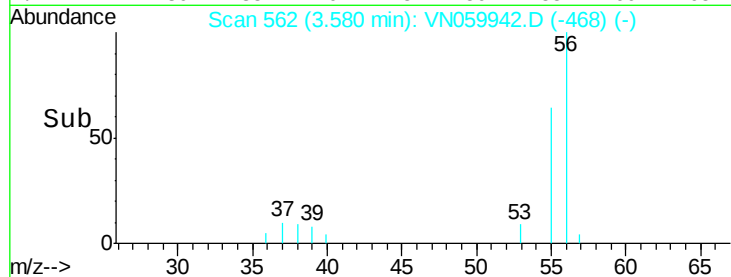
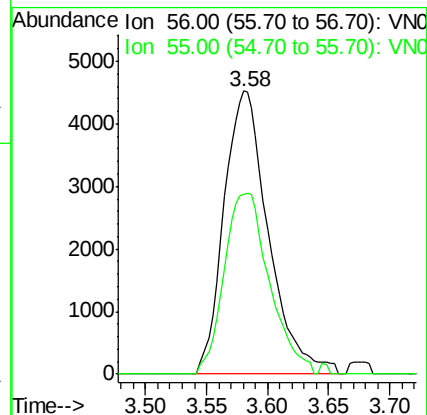
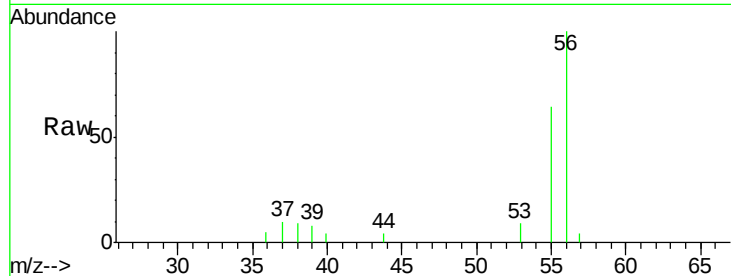
55 64.9 58.6 88.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.291 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

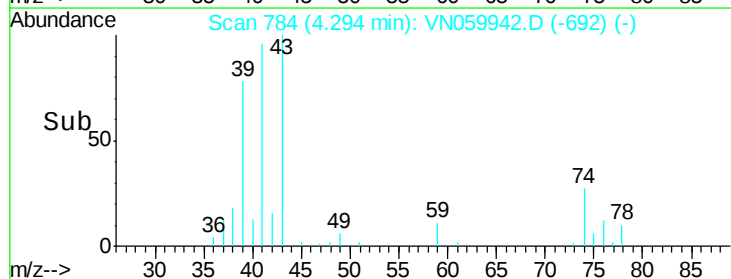
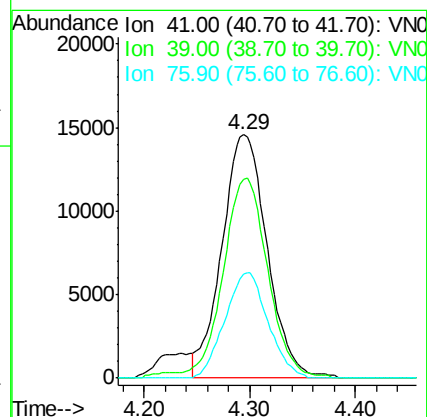
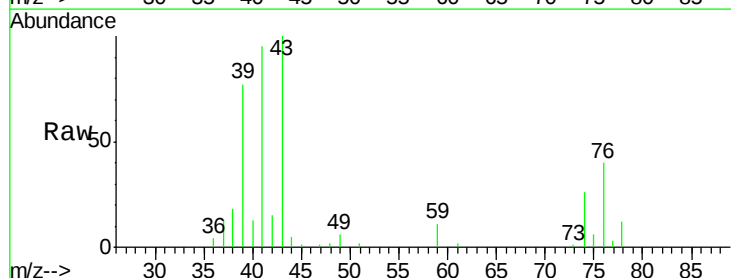
Tgt Ion: 41 Resp: 43437

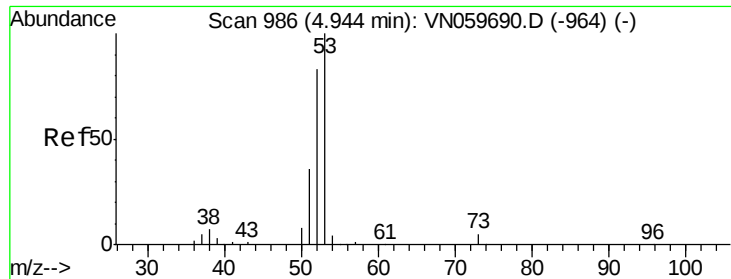
Ion Ratio Lower Upper

41 100

39 82.3 57.8 86.8

76 41.1 25.4 38.0#





#15

Acrylonitrile

Concen: 104.995 ug/l

RT: 4.95 min Scan# 987

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

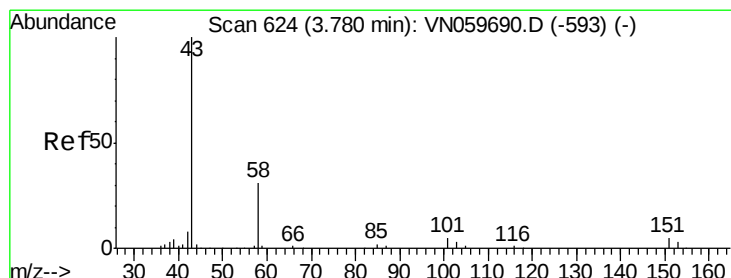
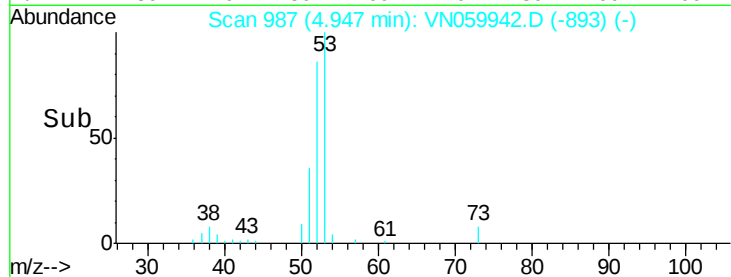
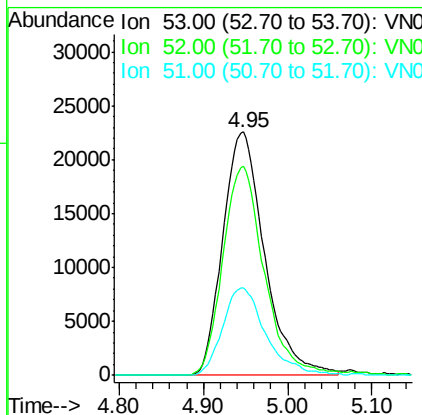
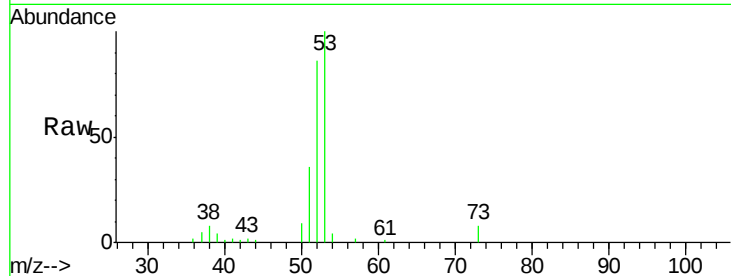
ClientSampleId :

VN0131WBSD01

Tot Ion:	53	Resp:	77726
Ion	Ratio	Lower	Upper
53	100		
52	84.8	66.3	99.5
51	37.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 141.732 ug/l

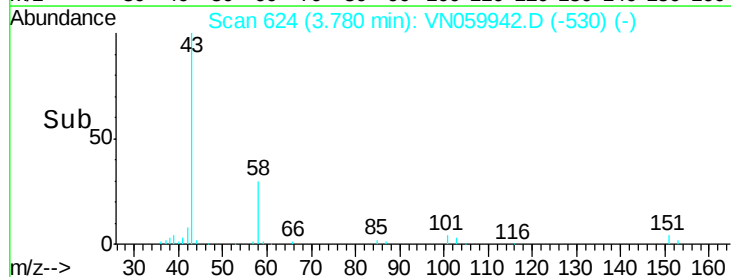
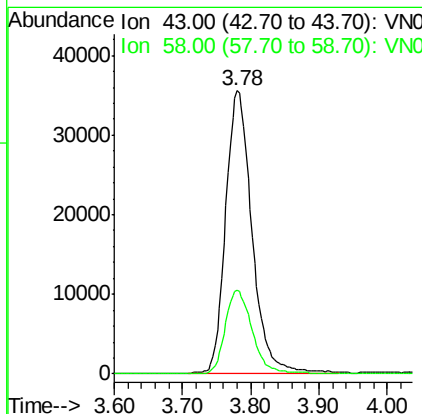
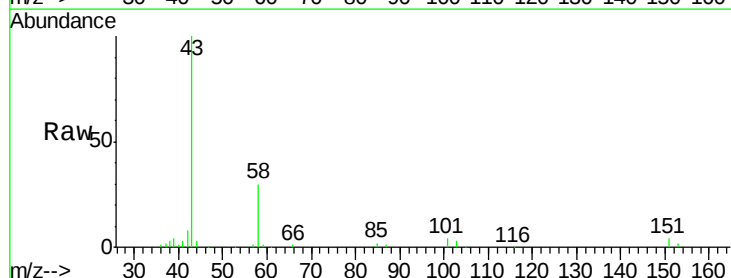
RT: 3.78 min Scan# 624

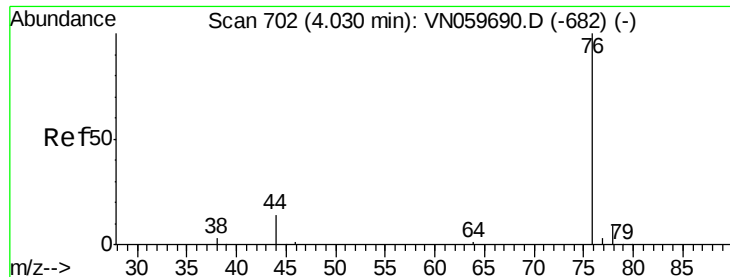
Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Tgt Ion:	43	Resp:	96041
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.6	35.4





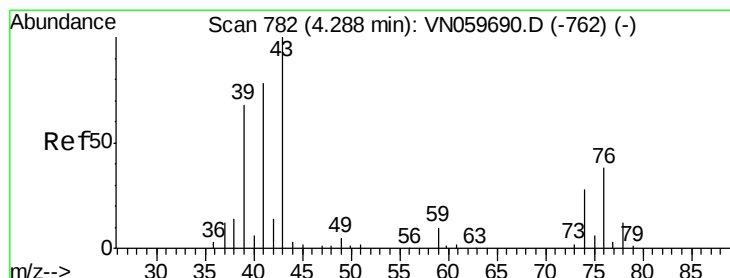
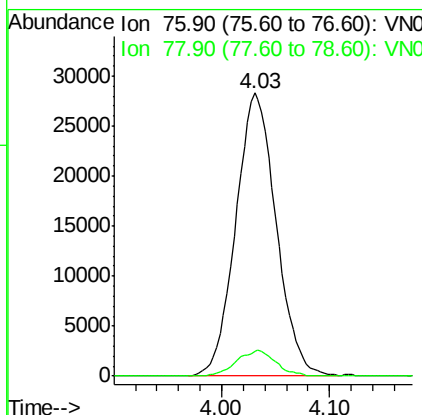
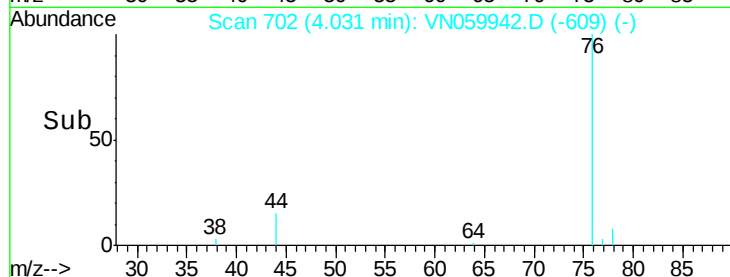
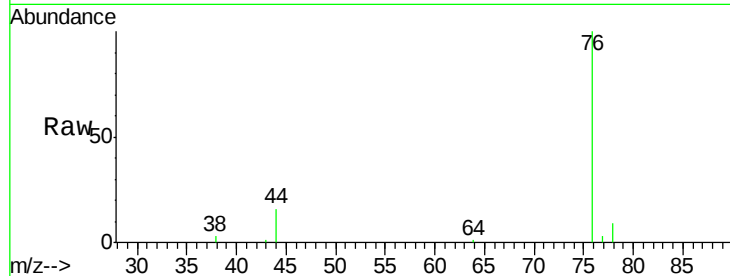
#17
Carbon Disulfide
Concen: 16.316 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.0

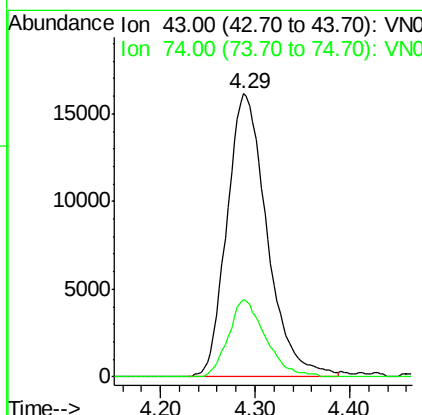
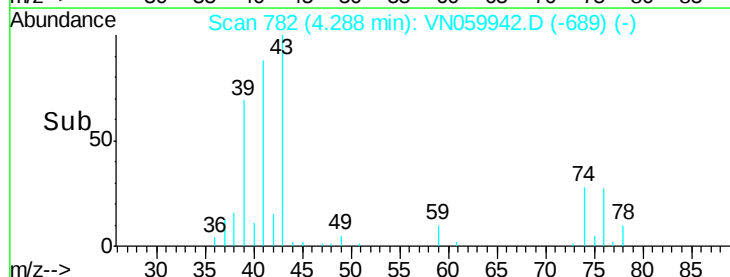
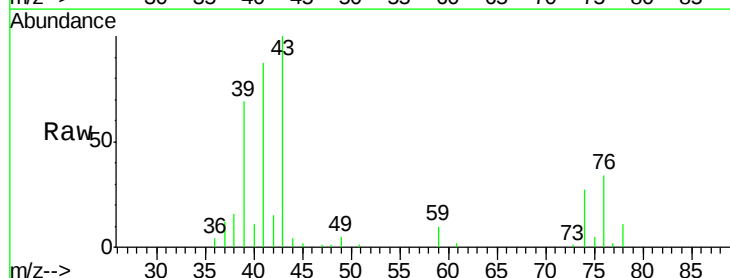
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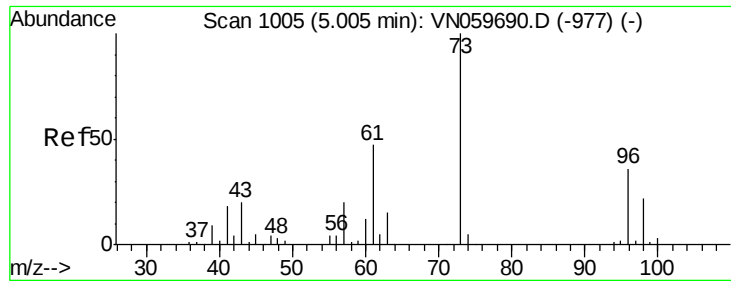
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#18
Methyl Acetate
Concen: 21.169 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	17.5	26.3





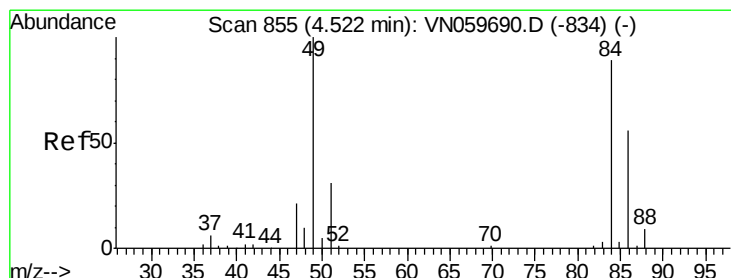
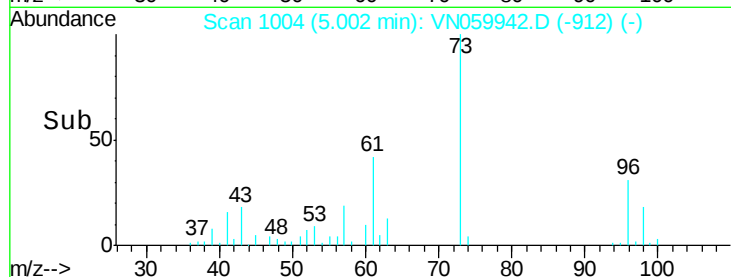
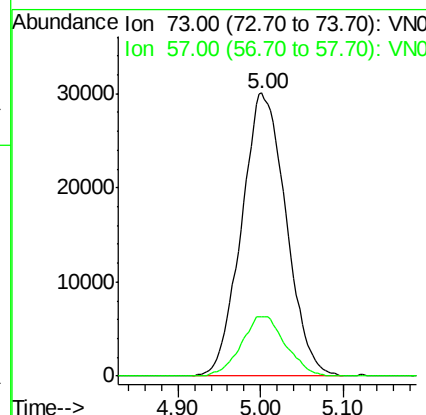
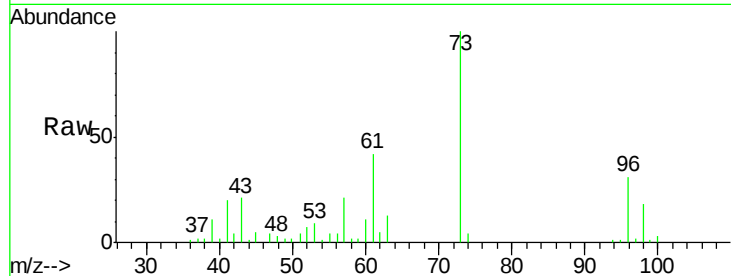
#19
Methvl tert-butvl Ether
Concen: 21.645 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion: 73 Resp: 112082
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8

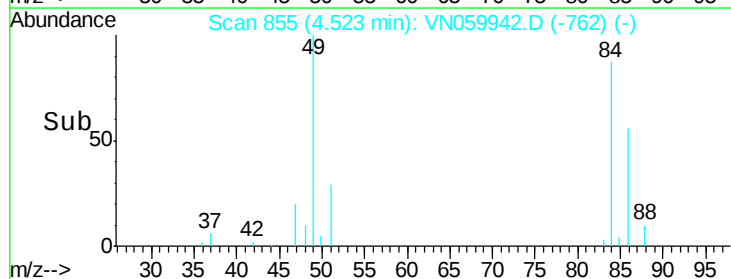
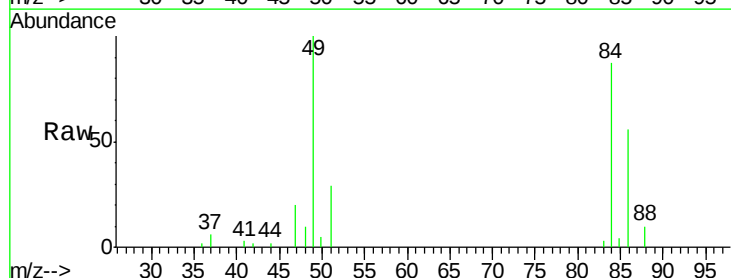
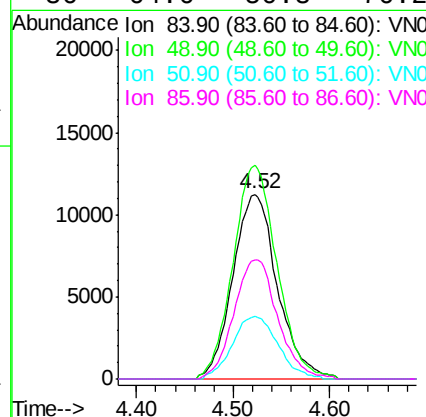
Manual Integrations
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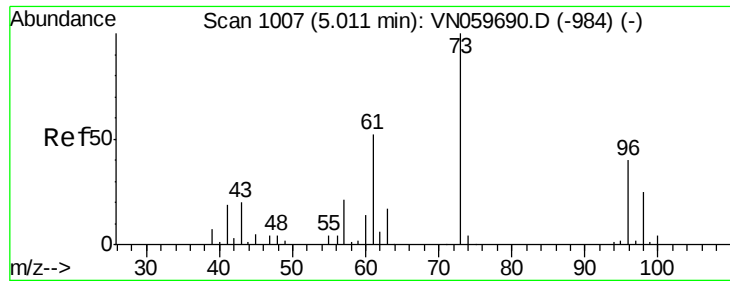
MMDadoda
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#20
Methylene Chloride
Concen: 19.829 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion: 84 Resp: 35947
Ion Ratio Lower Upper
84 100
49 115.6 106.6 160.0
51 34.0 31.9 47.9
86 64.6 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 19.675 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBSD01

Tot Ion: 96 Resp: 33216

Ion Ratio Lower Upper

96 100

61 127.0 120.4 180.6

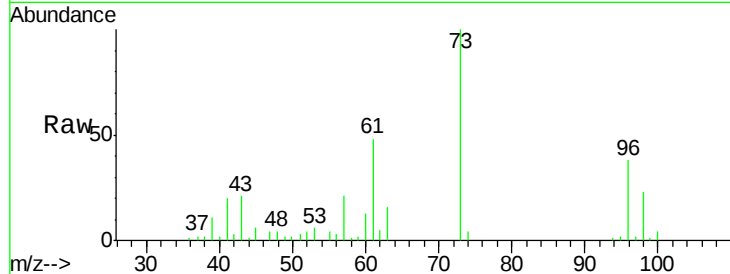
98 62.4 50.6 75.8

Manual Integrations

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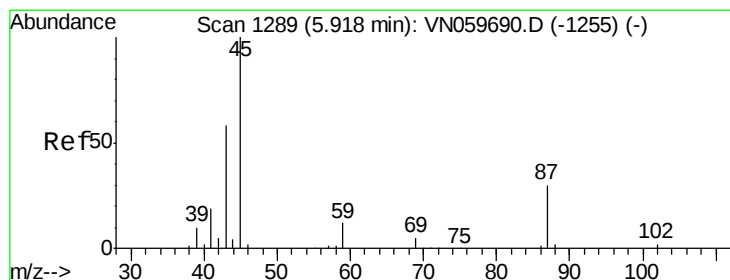
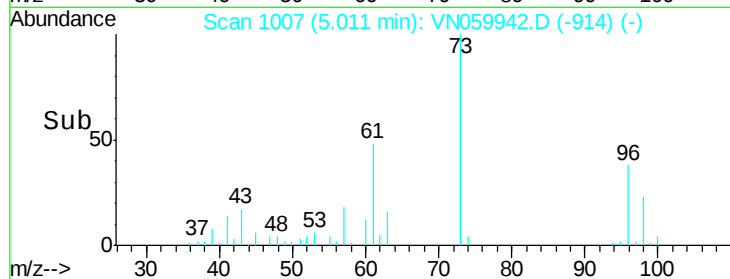
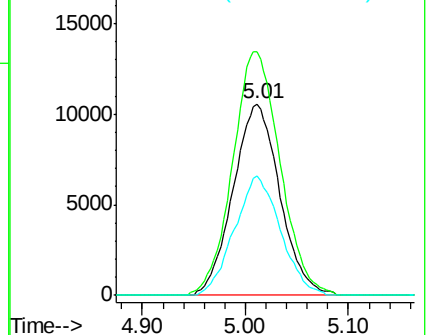
2/4/2020 12:50:46 PM



Abundance Ion 95.90 (95.60 to 96.60): VN059942.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059942.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059942.D (-914) (-)



#22

Diisopropyl ether

Concen: 20.988 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Tgt Ion: 45 Resp: 101818

Ion Ratio Lower Upper

45 100

43 69.0 50.8 76.2

87 31.7 21.0 31.6

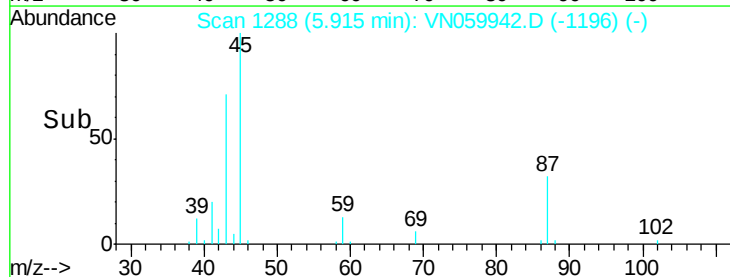
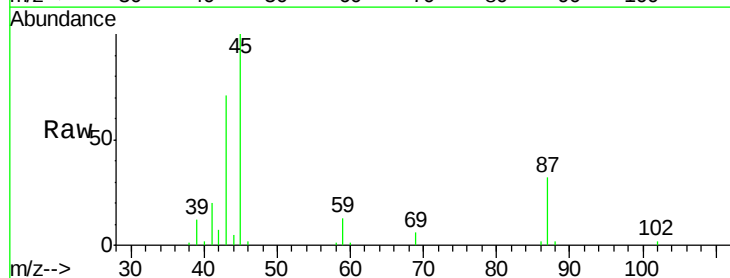
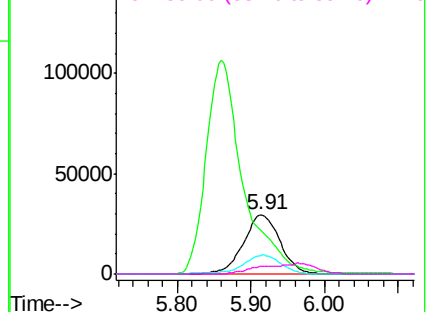
59 13.5 9.1 13.7

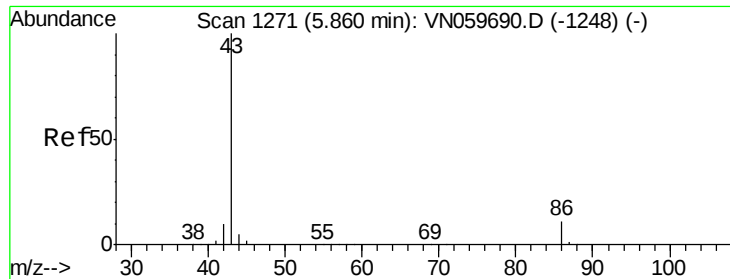
Abundance Ion 45.00 (44.70 to 45.70): VN059942.D (-1196) (-)

Ion 43.00 (42.70 to 43.70): VN059942.D (-1196) (-)

Ion 87.00 (86.70 to 87.70): VN059942.D (-1196) (-)

Ion 59.00 (58.70 to 59.70): VN059942.D (-1196) (-)





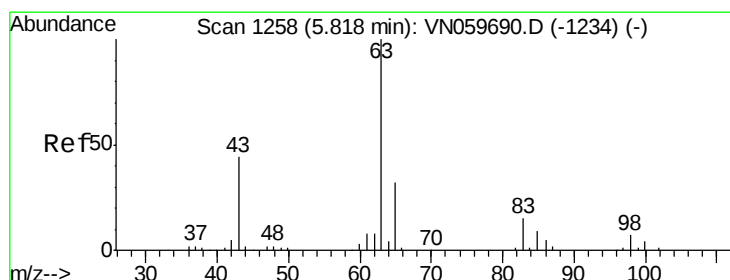
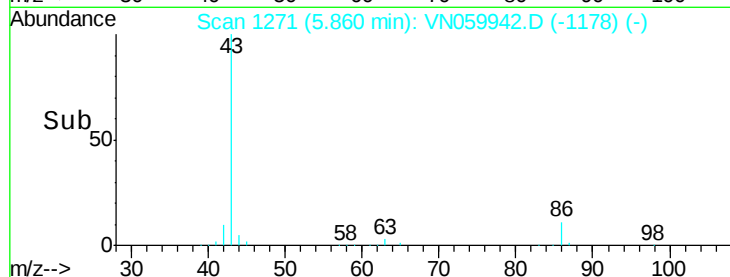
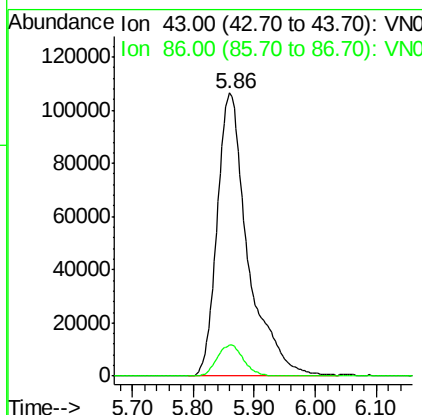
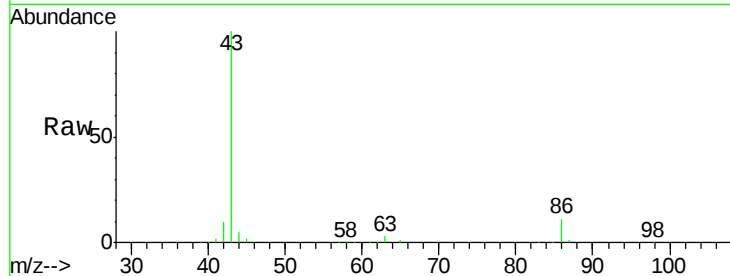
#23
 Vinyl Acetate
 Concen: 99.408 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131WBSD01

Tot Ion	43	Resp	373375
Ion Ratio	100	Lower	Upper
43	100		
86	11.1	7.6	11.4

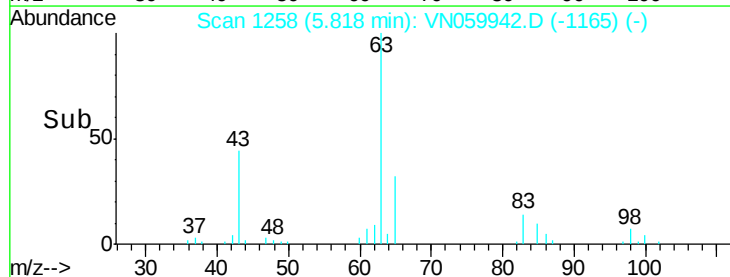
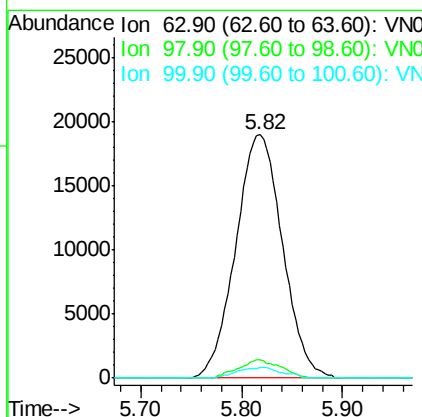
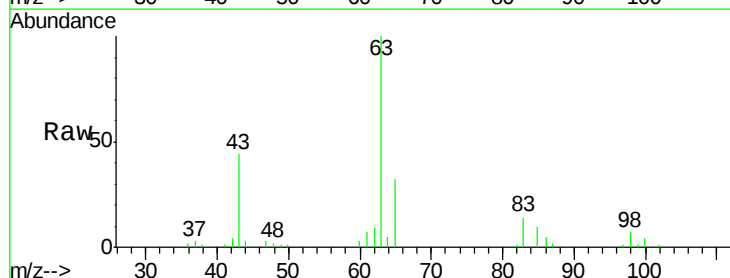
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 20.627 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Tgt Ion	63	Resp	61141
Ion Ratio	100	Lower	Upper
63	100		
98	7.4	2.9	8.7
100	4.3	2.0	6.0





#25

2-Butanone

Concen: 105.770 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBSD01

Tot Ion: 43 Resp: 115468

Ion Ratio Lower Upper

43 100

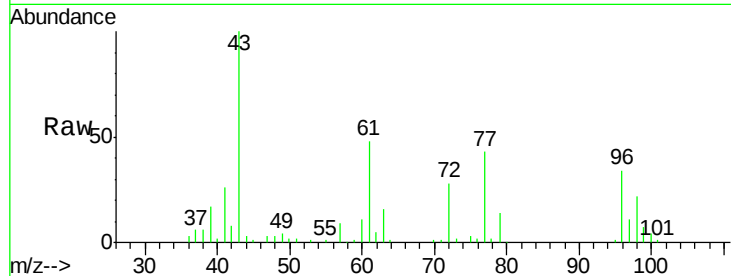
72 27.5 19.9 29.9

Manual Integrations

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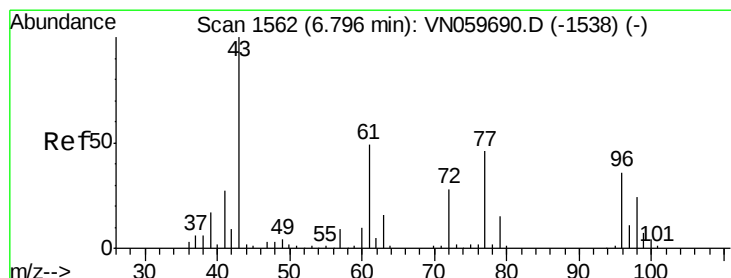
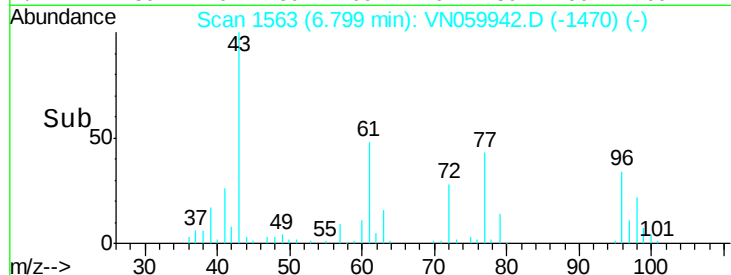
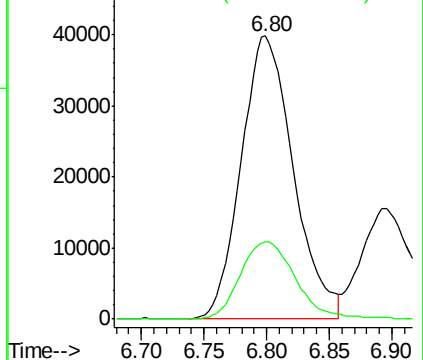
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.093 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059942.D

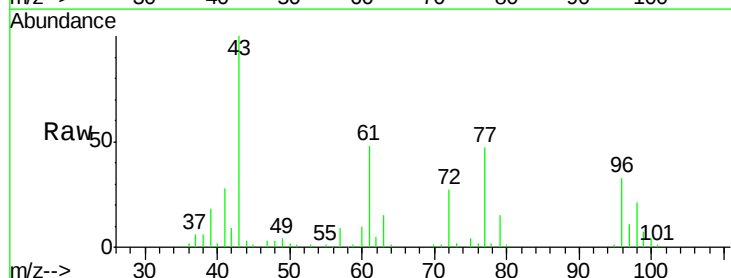
Acq: 31 Jan 2020 13:03

Tgt Ion: 77 Resp: 57259

Ion Ratio Lower Upper

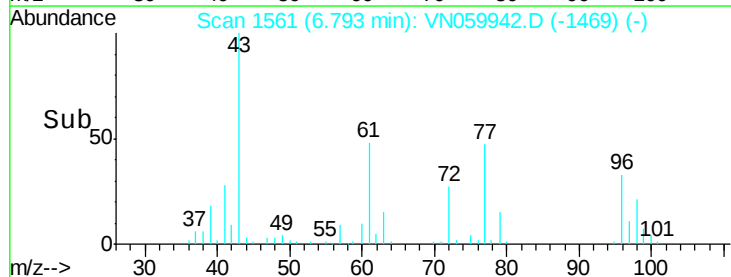
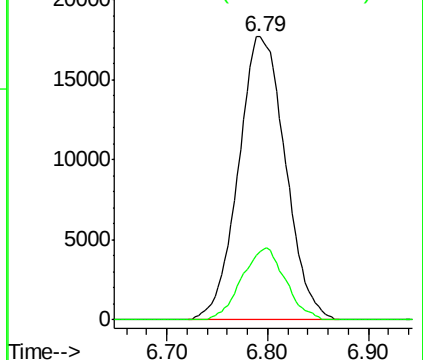
77 100

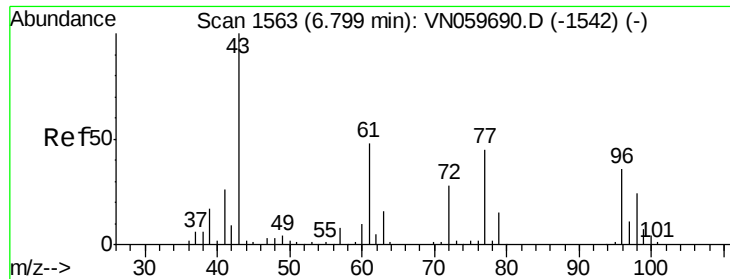
97 23.6 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.471 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

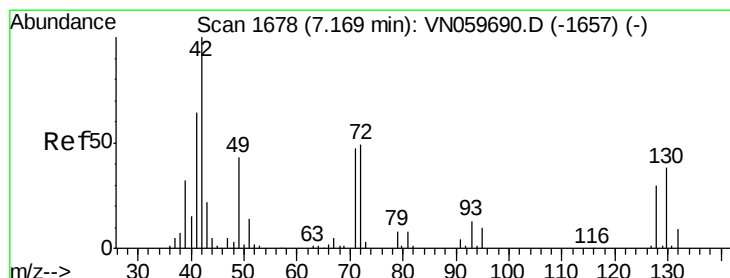
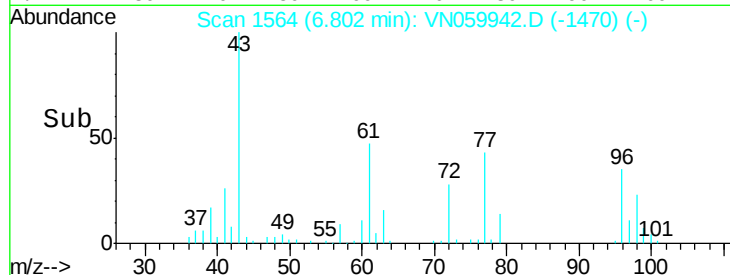
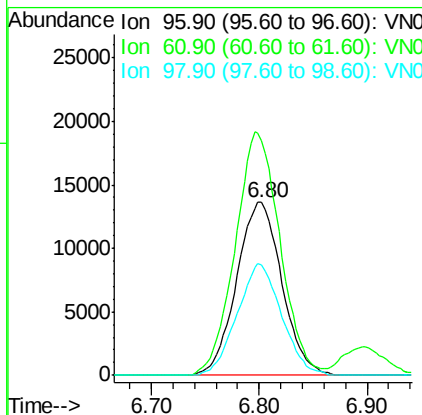
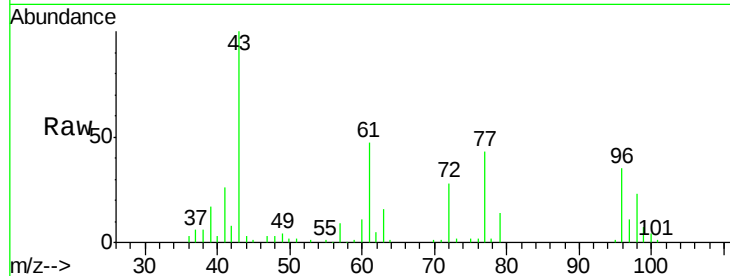
ClientSampleId :

VN0131WBSD01

Tot Ion:	96	Resp:	39750
Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	317.6
98	63.2	0.0	127.0

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#28

Bromochloromethane

Concen: 19.500 ug/l

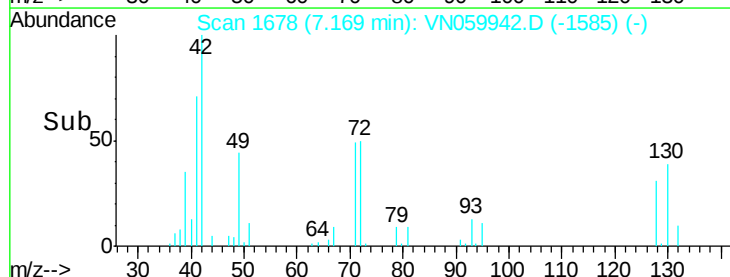
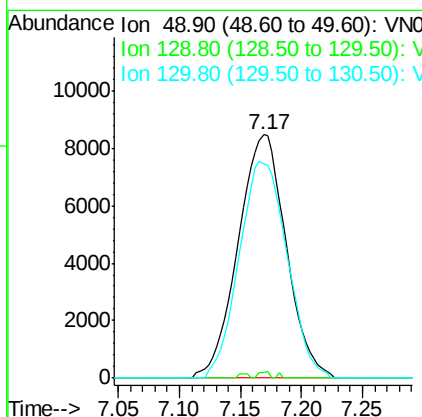
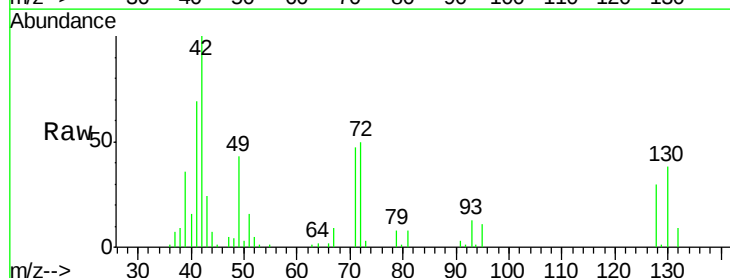
RT: 7.17 min Scan# 1678

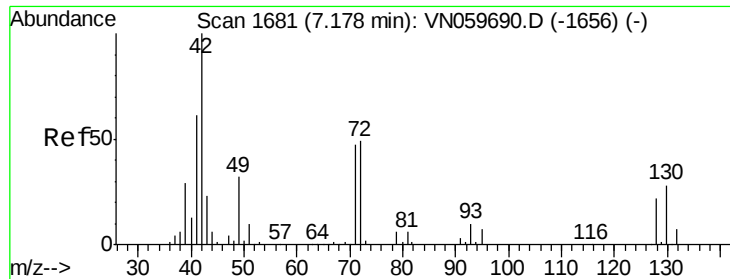
Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Tgt Ion:	49	Resp:	23102
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.4
130	88.7	54.7	82.1#





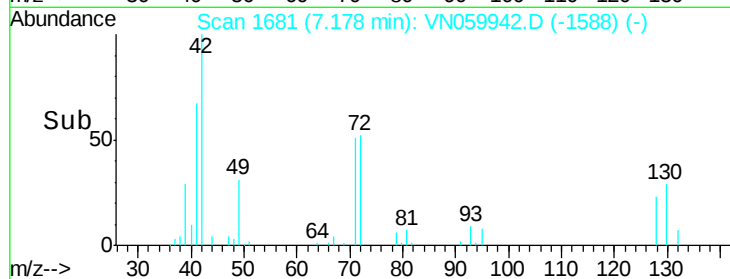
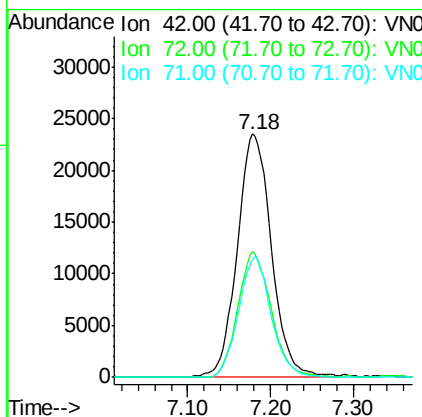
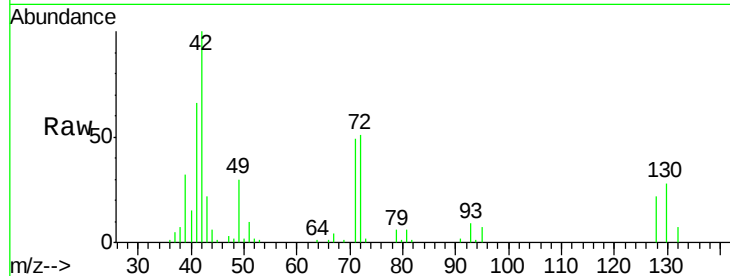
#29
Tetrahydrofuran
Concen: 99.995 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.2	33.1	49.7#
71	47.1	31.4	47.0#

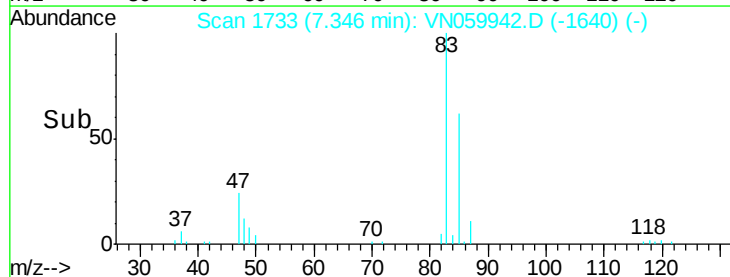
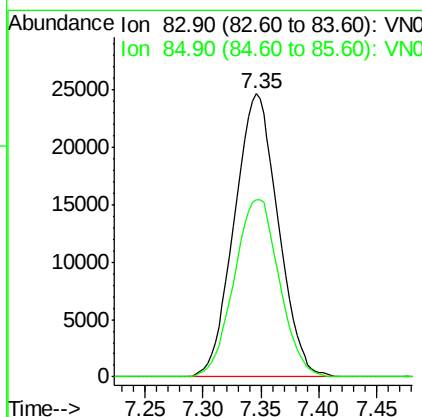
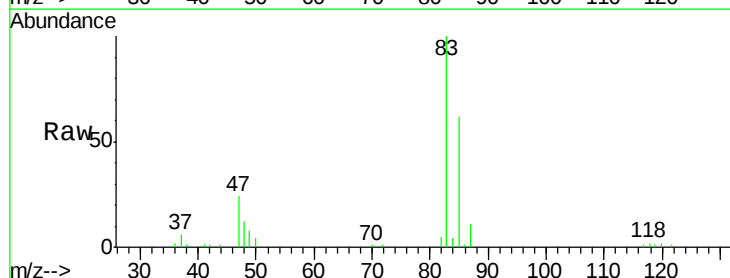
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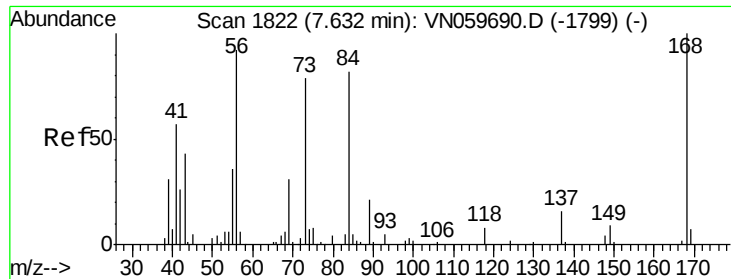
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#30
Chloroform
Concen: 21.108 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	52.4	78.6





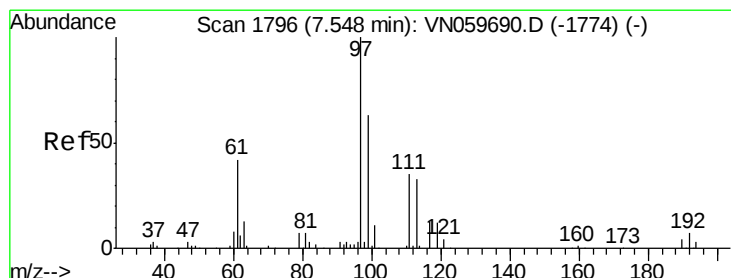
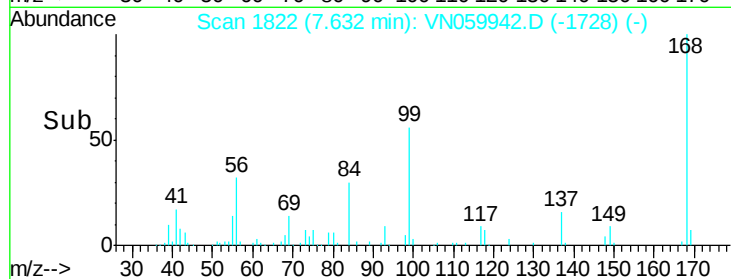
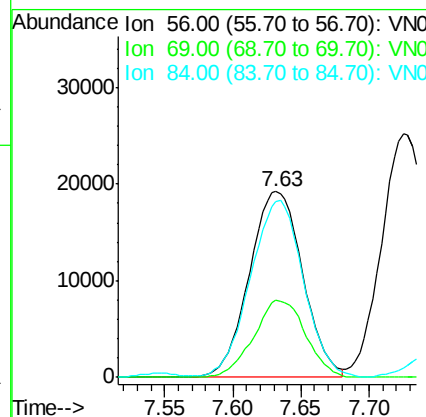
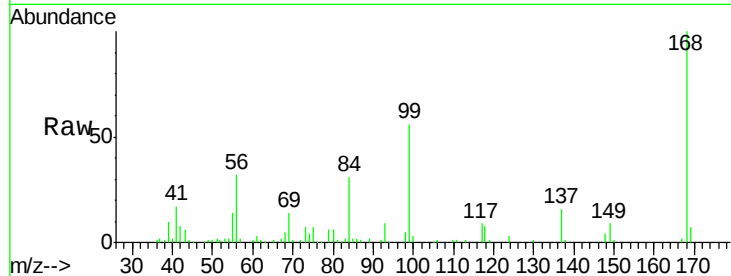
#31
Cyclohexane
Concen: 18.340 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.8	26.5	39.7#
84	93.9	65.3	97.9

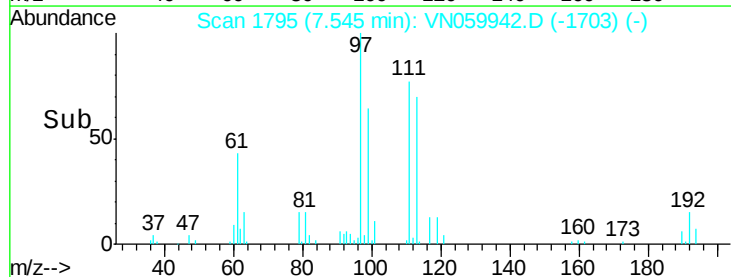
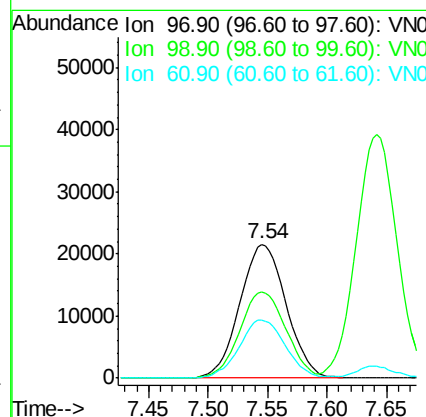
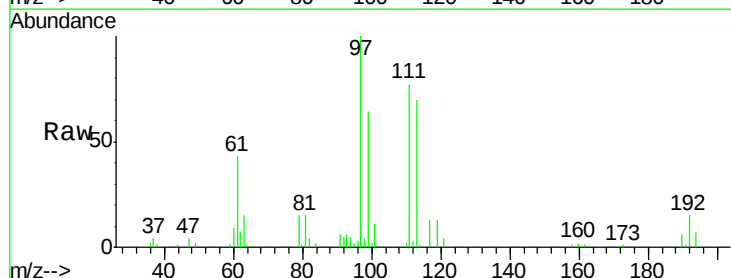
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#32
1,1,1-Trichloroethane
Concen: 20.408 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	43.2	38.5	57.7





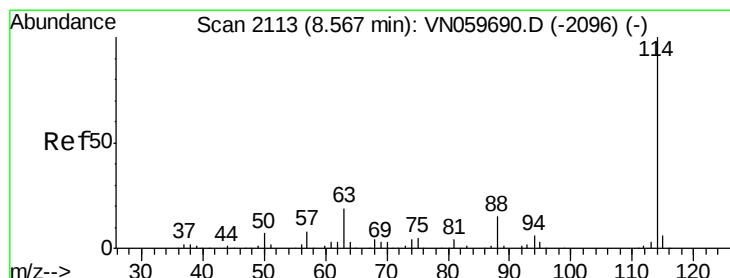
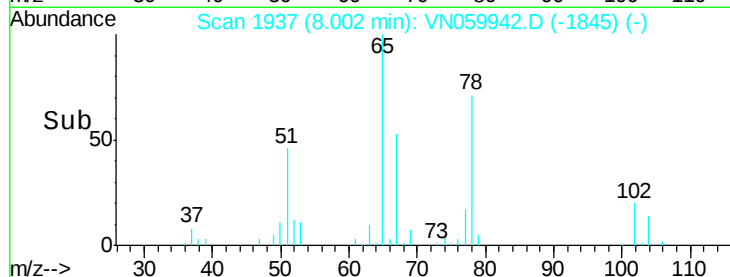
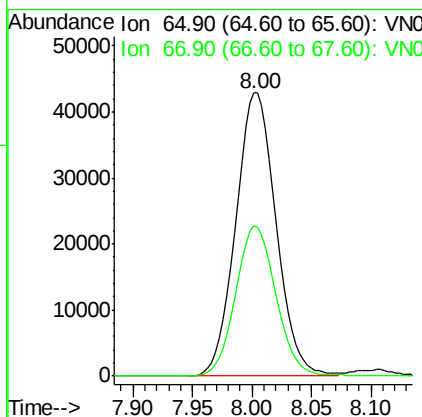
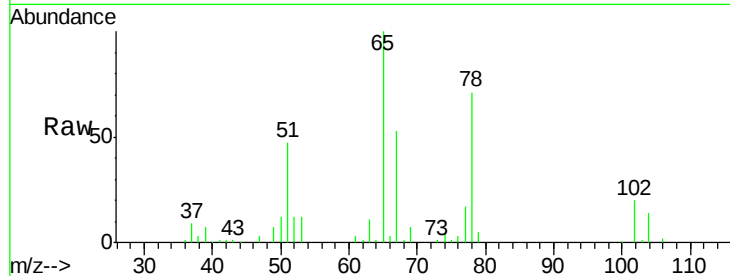
#33
 1,2-Dichloroethane-d4
 Concen: 52.311 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	103.0	

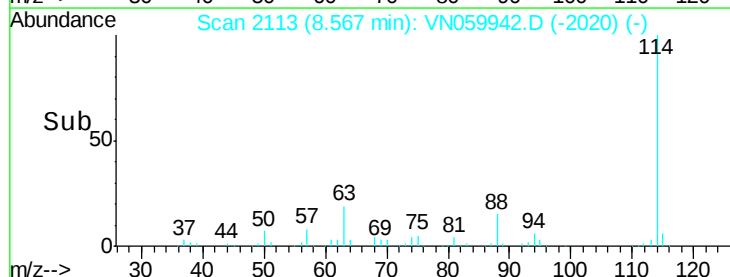
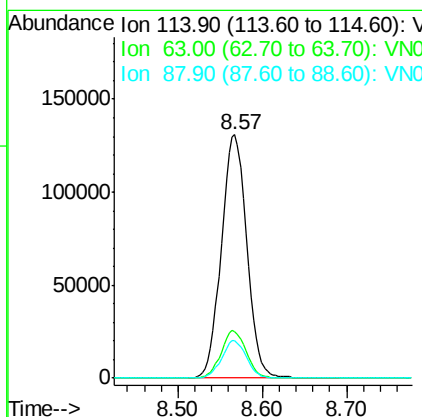
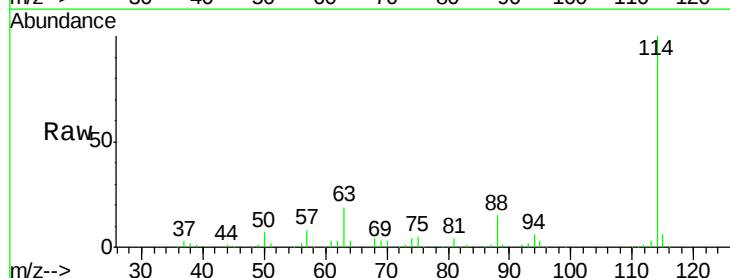
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	43.6	
88	15.5	0.0	31.4	





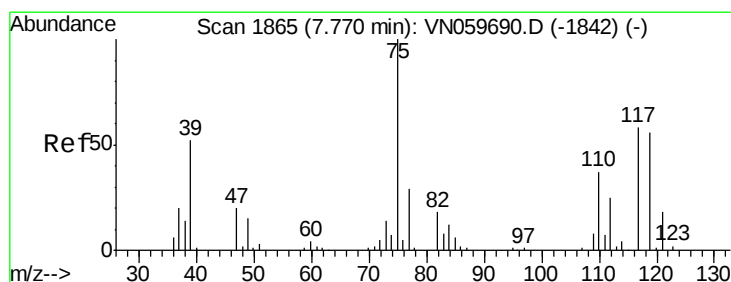
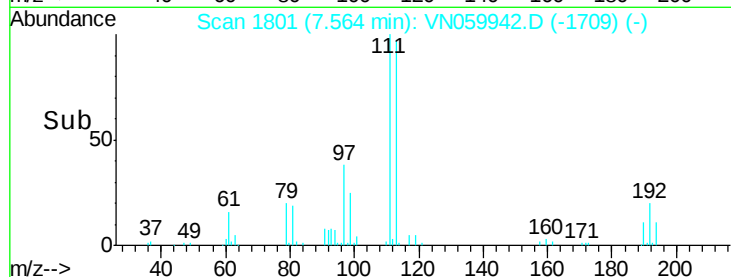
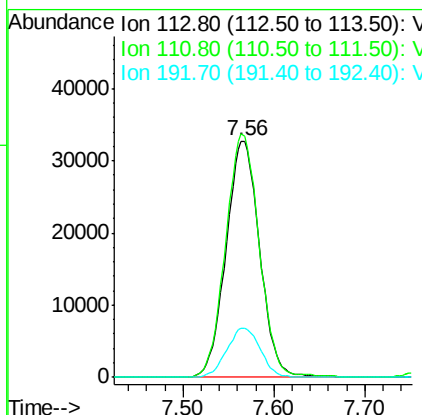
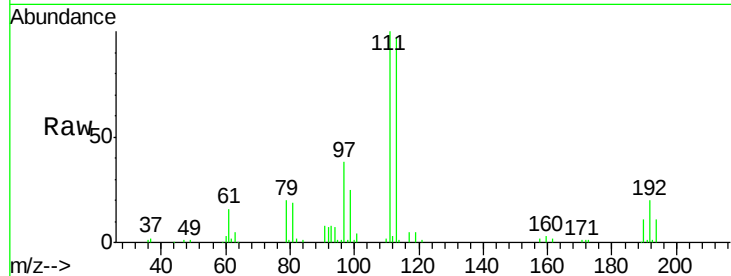
#35
 Dibromofluoromethane
 Concen: 51.183 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.5	125.3
192	20.7	15.4	23.2

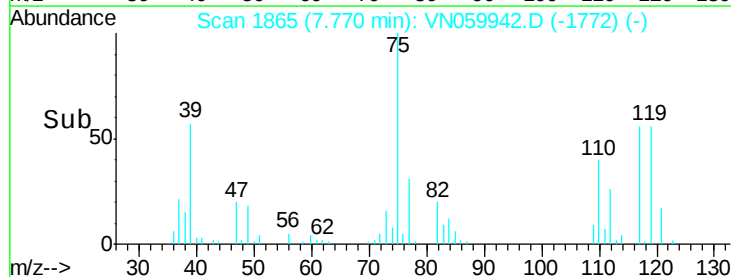
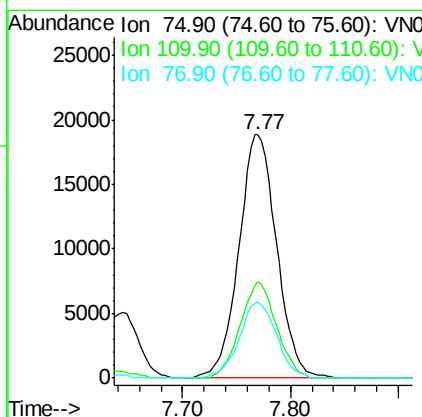
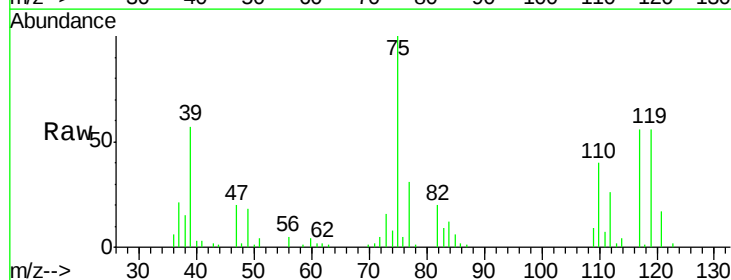
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#36
 1,1-Dichloropropene
 Concen: 19.203 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.8	16.6	49.7
77	30.8	25.1	37.7





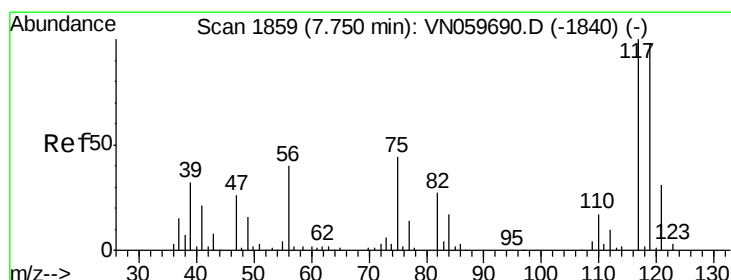
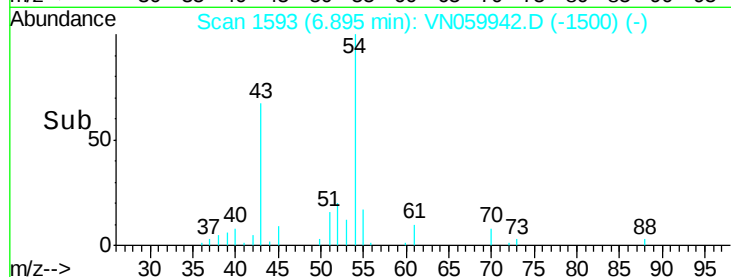
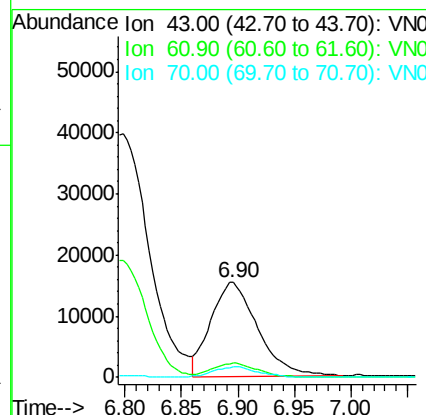
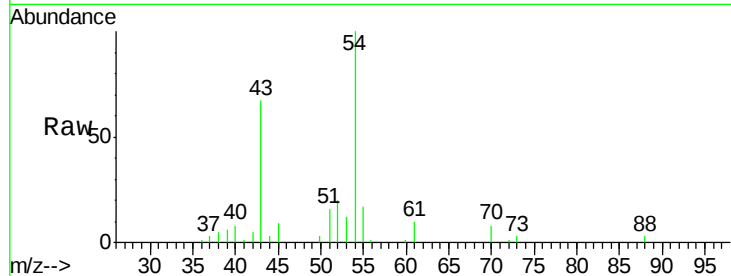
#37
Ethyl Acetate
Concen: 19.752 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	14.2	10.9	16.3	
70	10.6	7.7	11.5	

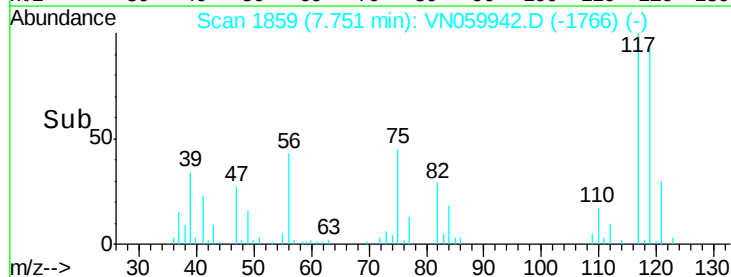
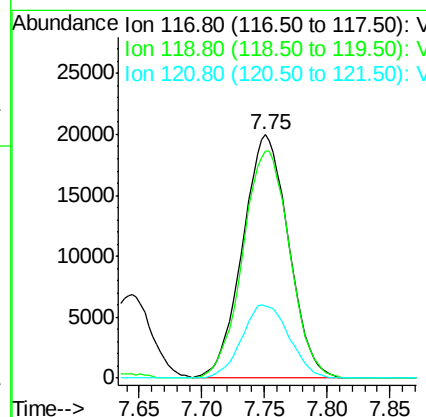
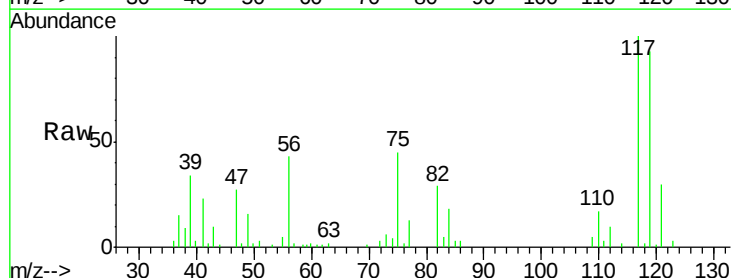
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#38
Carbon Tetrachloride
Concen: 19.603 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	93.2	76.5	114.7	
121	29.7	25.1	37.7	





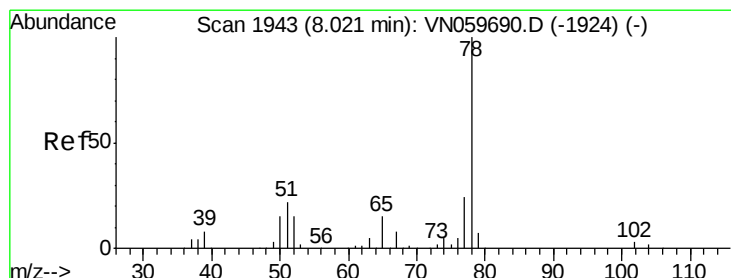
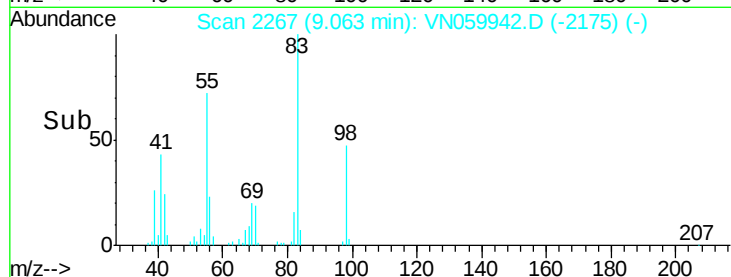
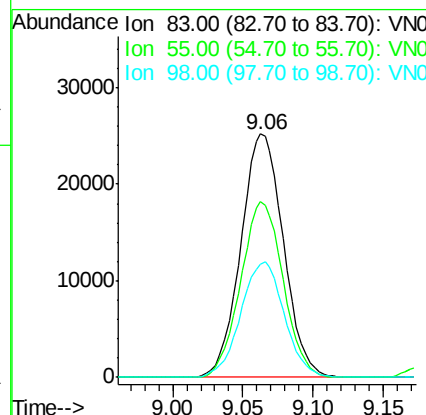
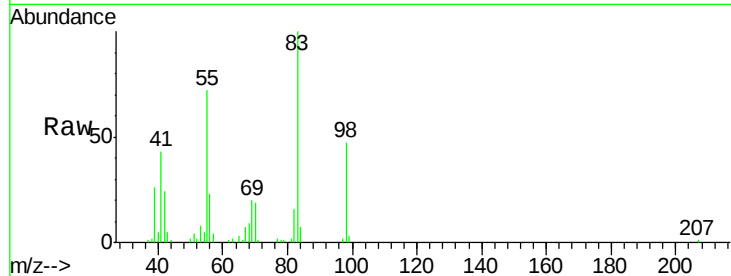
#39
Methvlcvclohexane
Concen: 18.090 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	64.2	96.2
98	46.6	35.9	53.9

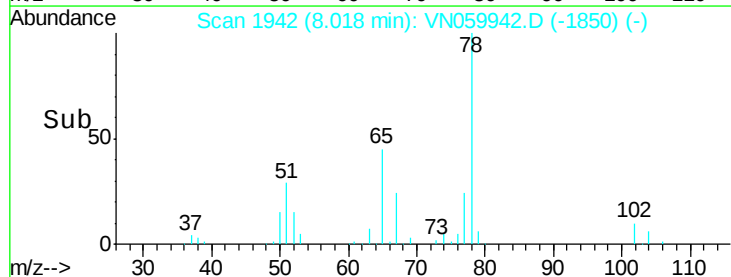
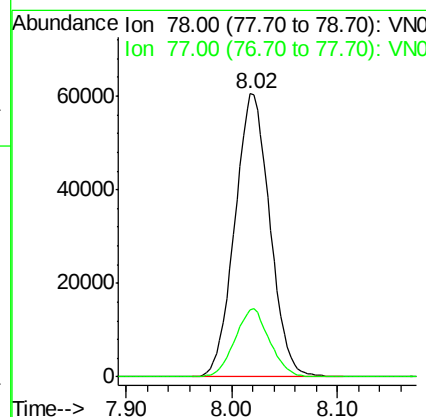
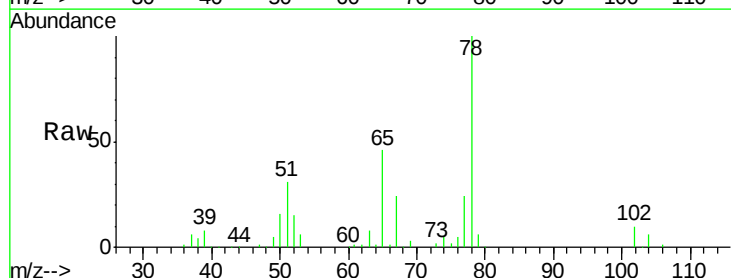
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#40
Benzene
Concen: 19.581 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





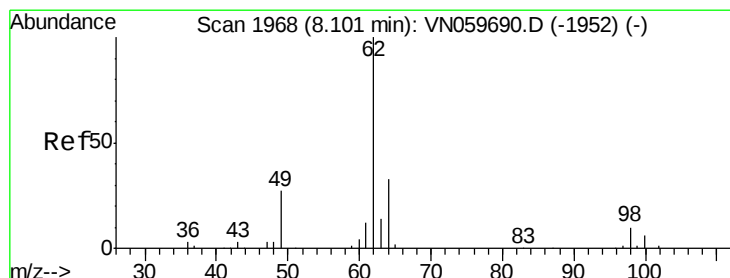
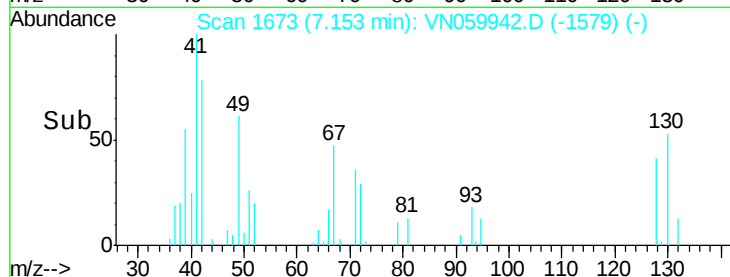
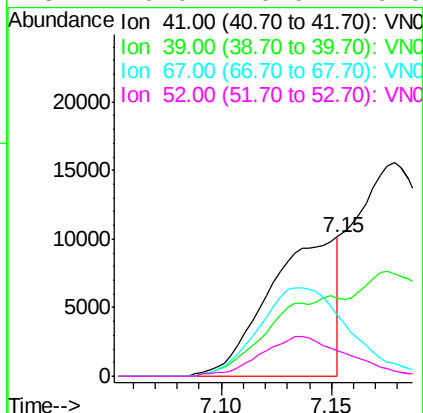
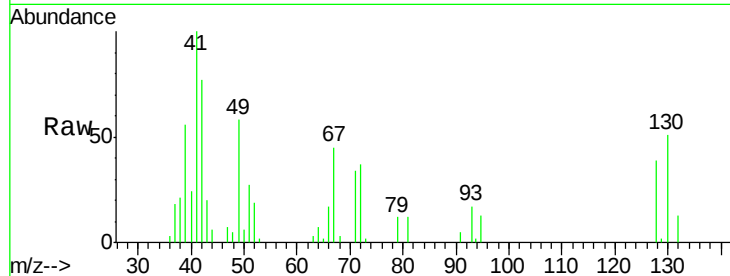
#41
Methacrylonitrile
Concen: 19.888 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	41	Resp	21948
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

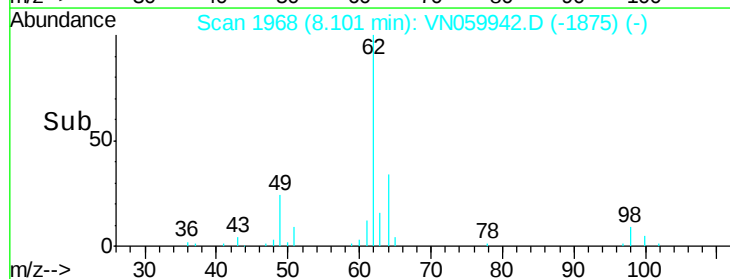
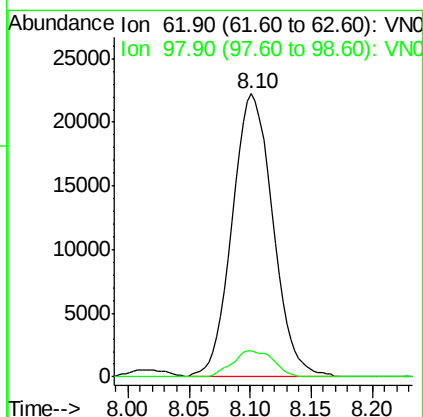
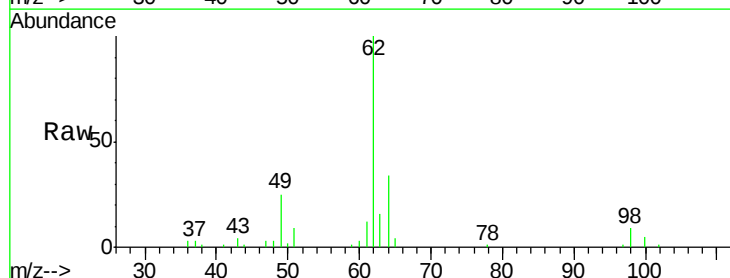
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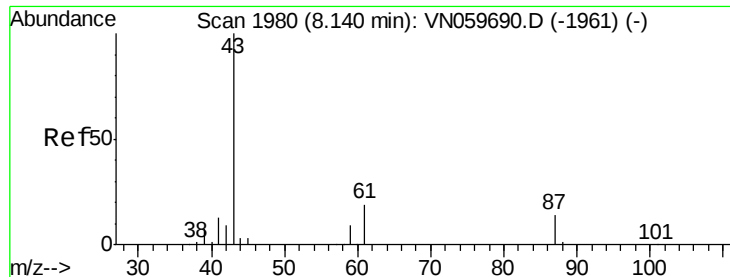
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#42
1,2-Dichloroethane
Concen: 21.328 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	62	Resp	51518
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	15.8





#43

Isopropyl Acetate

Concen: 19.626 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

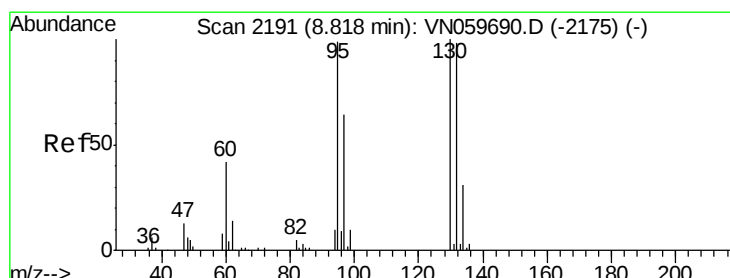
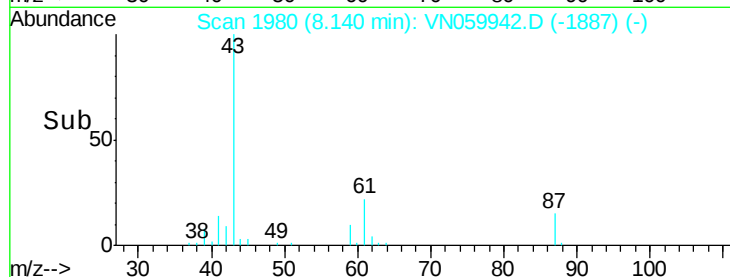
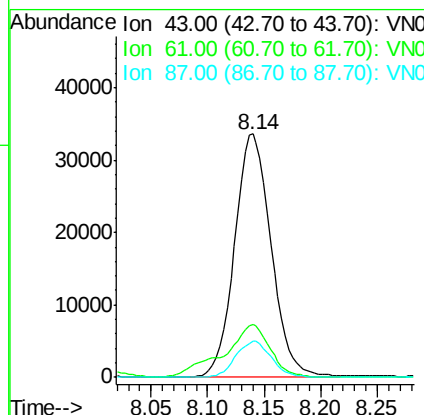
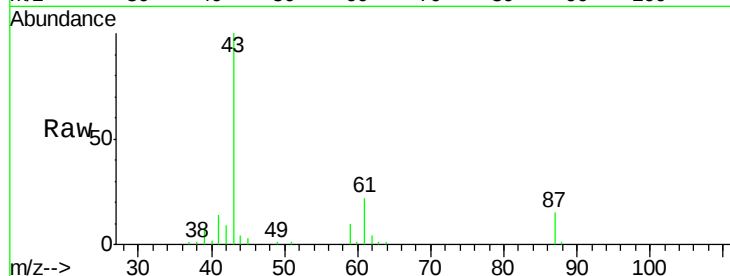
ClientSampleId :

VN0131WBSD01

Tot Ion:	43	Resp:	75633
Ion	Ratio	Lower	Upper
43	100		
61	27.8	20.2	30.2
87	14.4	9.5	14.3#

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#44

Trichloroethene

Concen: 20.290 ug/l

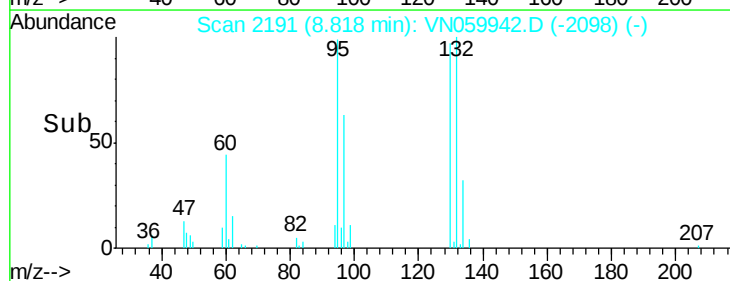
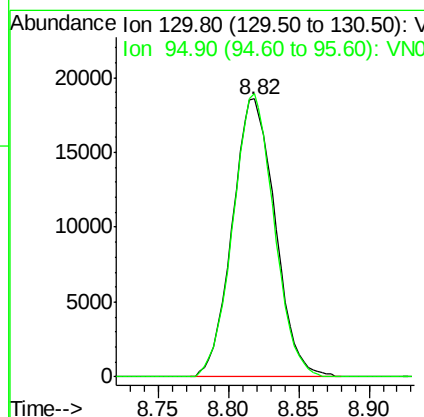
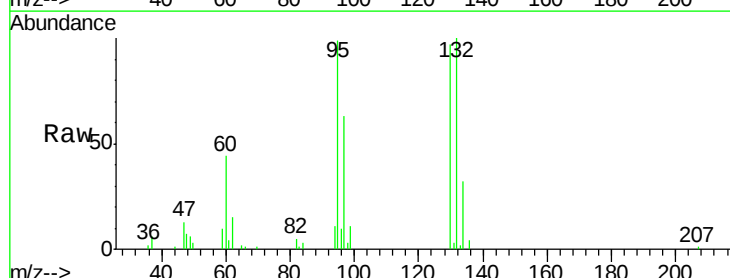
RT: 8.82 min Scan# 2191

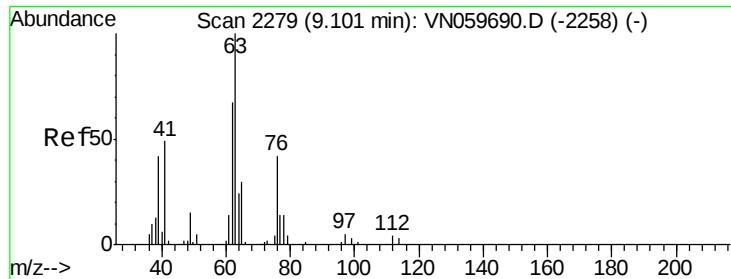
Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Tgt Ion:	130	Resp:	39461
Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	207.0





#45

1,2-Dichloropropane

Concen: 20.616 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBSD01

Tot Ion: 63 Resp: 36343

Ion Ratio Lower Upper

63 100

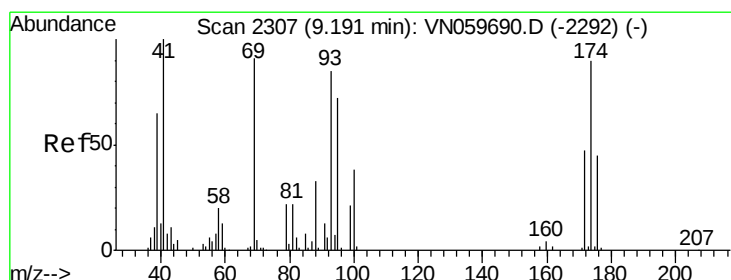
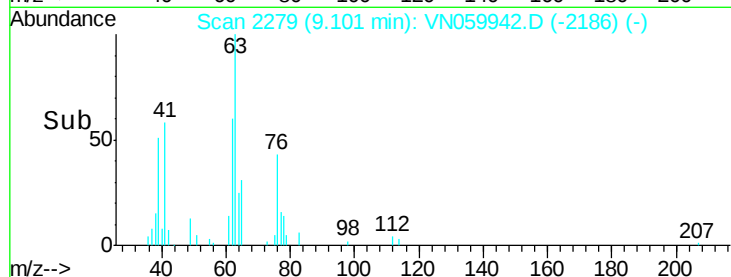
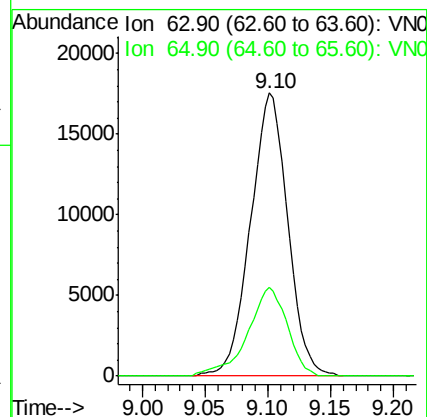
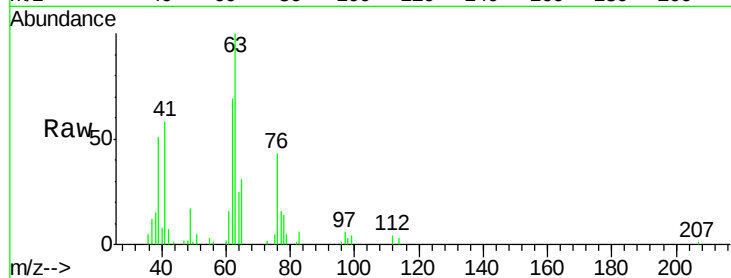
65 31.3 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 20.631 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

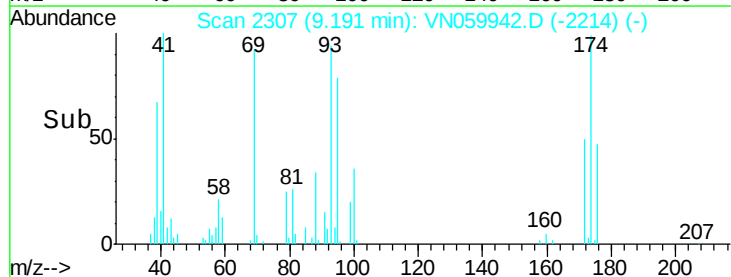
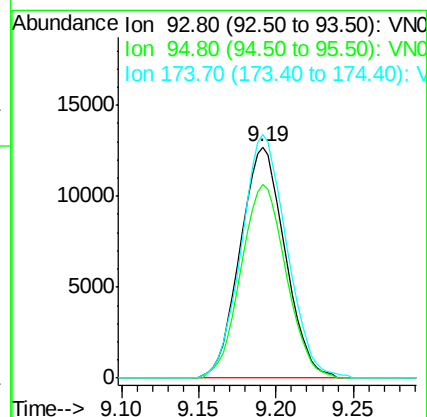
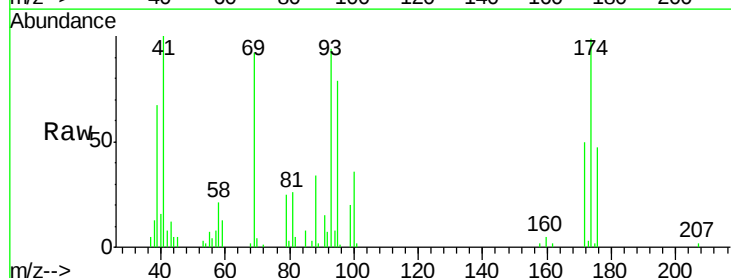
Tgt Ion: 93 Resp: 25656

Ion Ratio Lower Upper

93 100

95 84.0 67.0 100.6

174 106.6 73.4 110.2





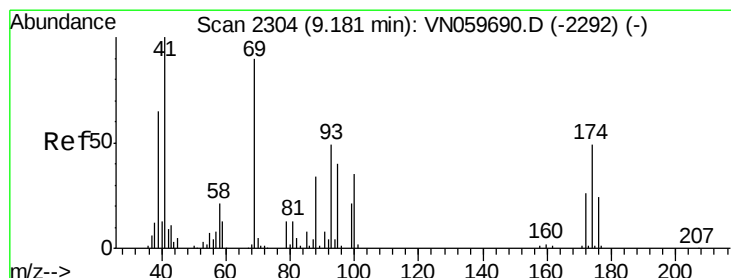
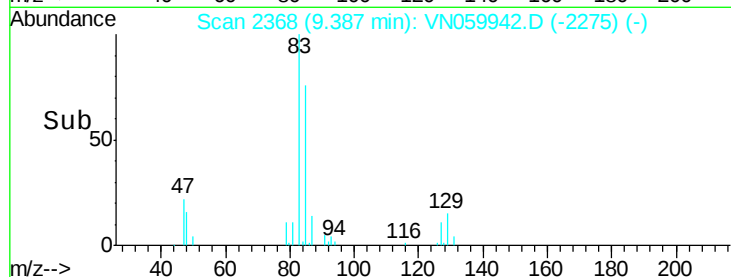
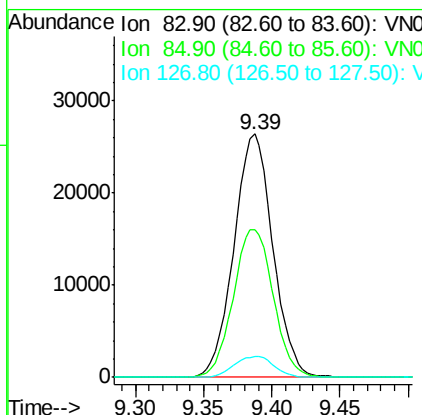
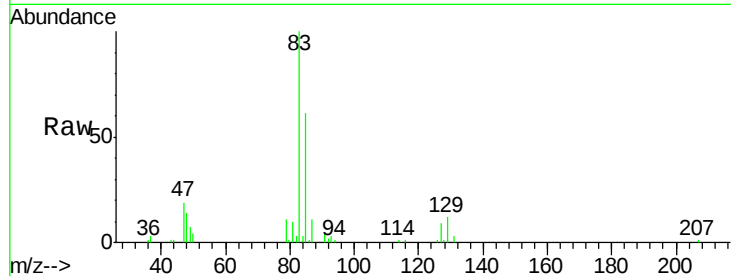
#47
Bromodichloromethane
Concen: 20.880 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	60.7	51.1	76.7
127	8.6	6.6	9.8

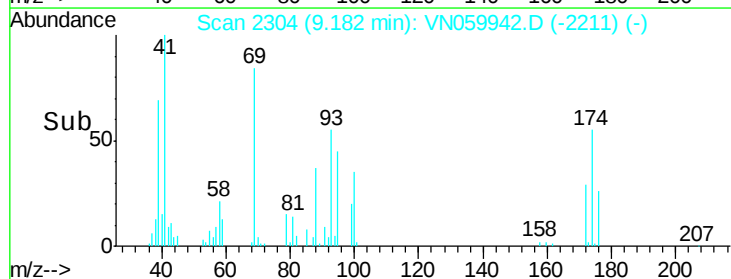
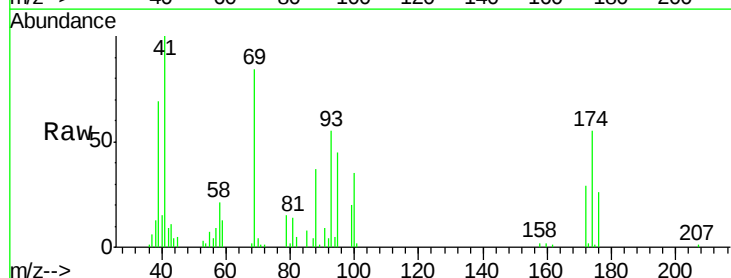
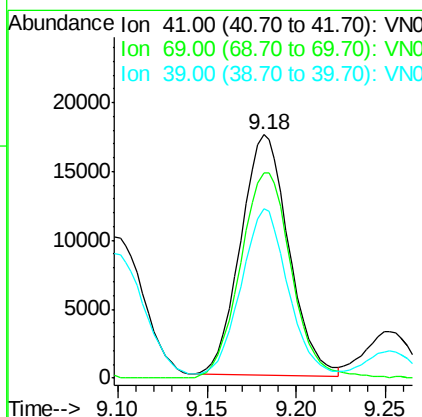
Manual Integrations
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2/4/2020 12:50:46 PM



#48
Methyl methacrylate
Concen: 19.102 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.8	64.4	96.6
39	70.1	51.3	76.9





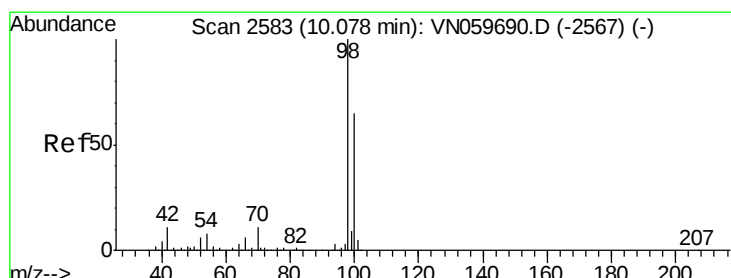
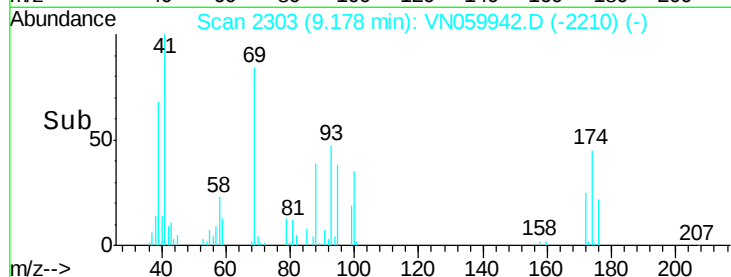
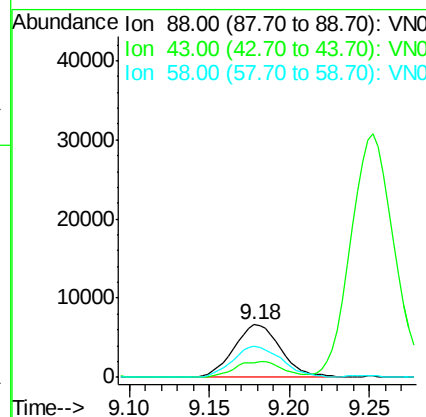
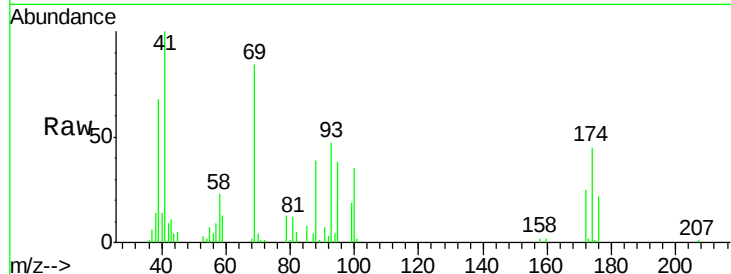
#49
1,4-Dioxane
Concen: 422.523 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	29.7	44.5
58	60.9	56.6	85.0

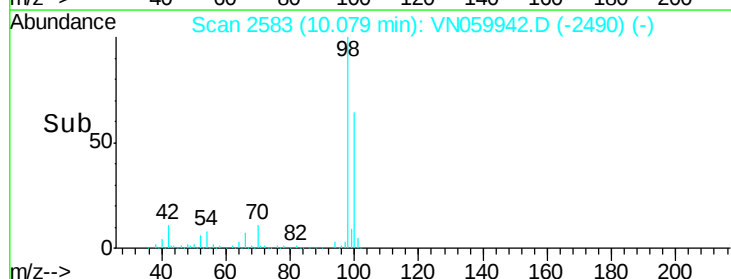
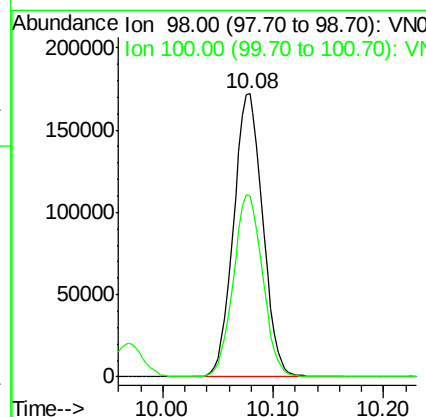
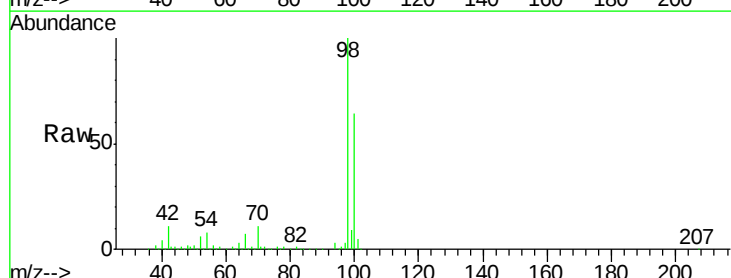
Manual Integrations
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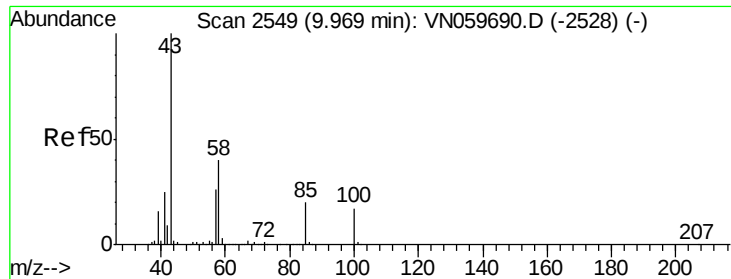
MMDadoda
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#50
Toluene-d8
Concen: 49.885 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 99.343 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBSD01

Tot Ion: 43 Resp: 221307

Ion Ratio Lower Upper

43 100

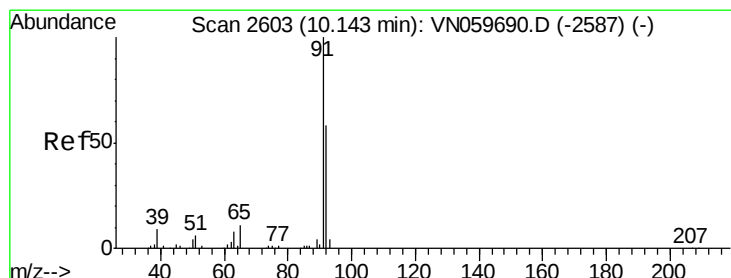
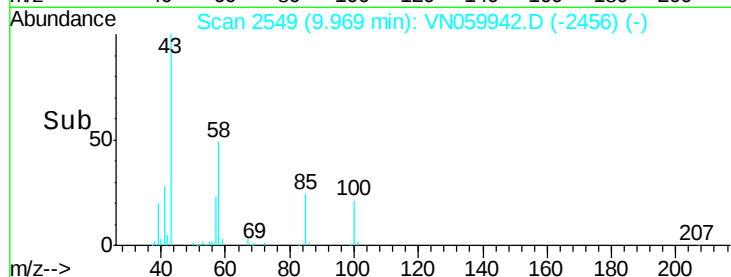
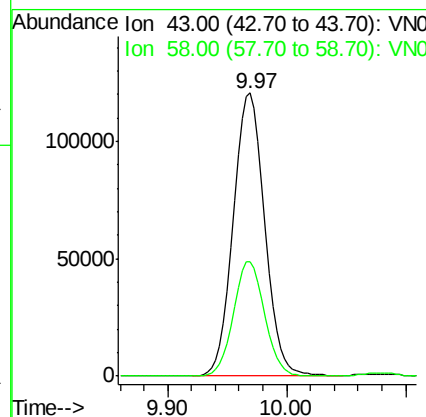
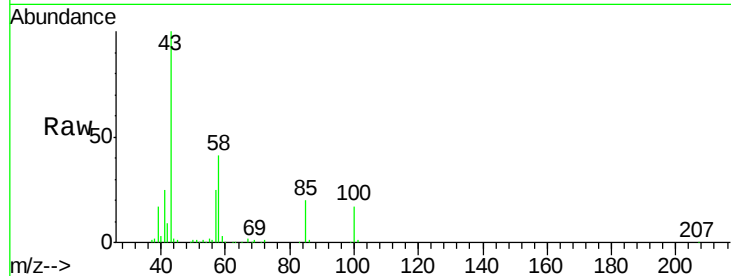
58 40.1 29.8 44.8

Manual Integrations

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#52

Toluene

Concen: 20.027 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059942.D

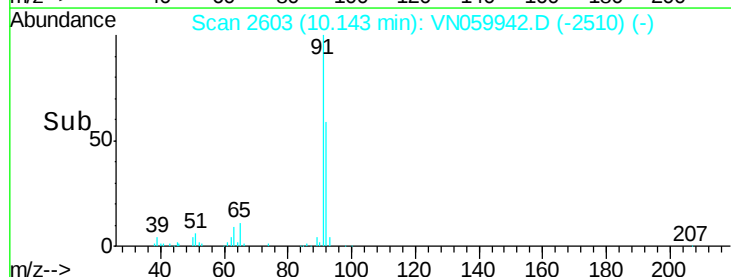
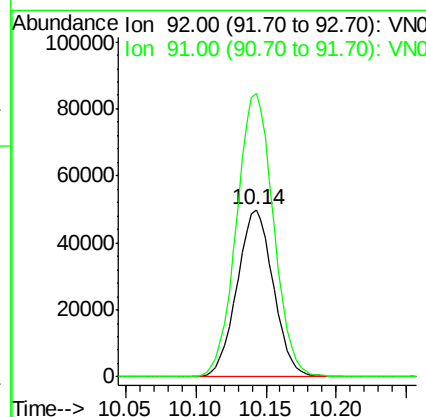
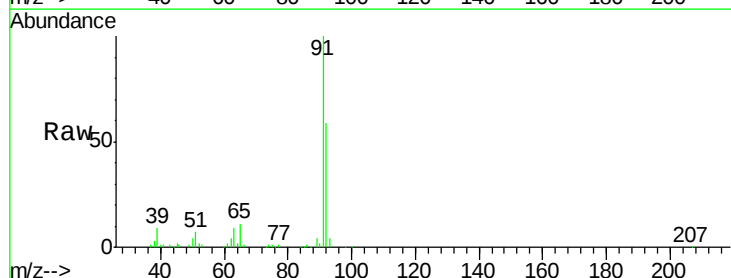
Acq: 31 Jan 2020 13:03

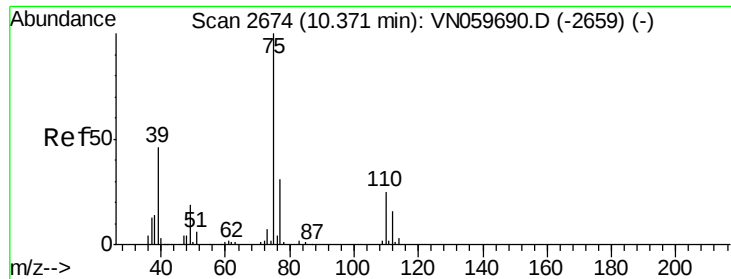
Tgt Ion: 92 Resp: 90120

Ion Ratio Lower Upper

92 100

91 172.6 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 20.678 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampled :

VN0131WBSD01

Tot Ion: 75 Resp: 57861

Ion Ratio Lower Upper

75 100

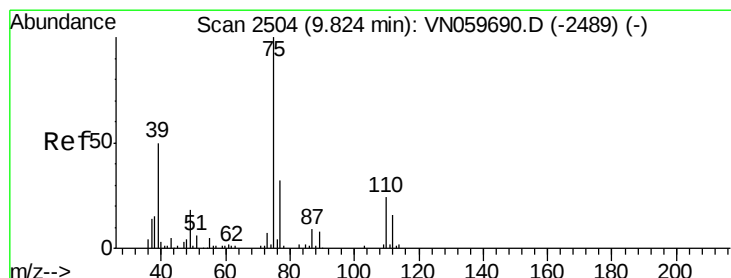
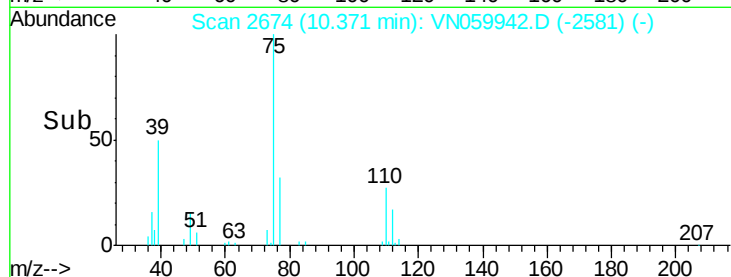
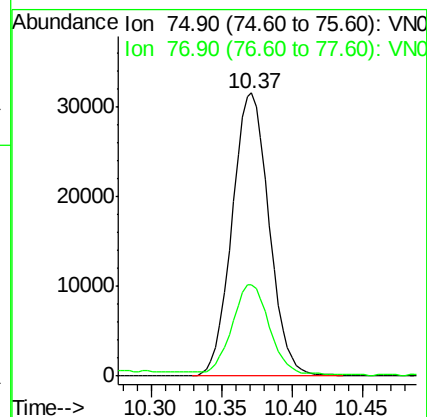
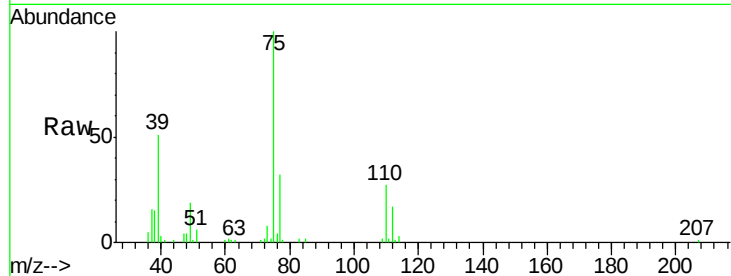
77 31.7 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.675 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

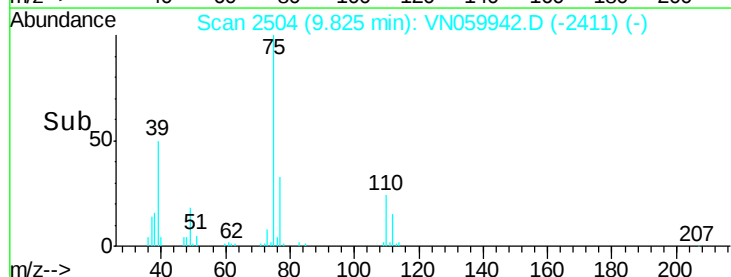
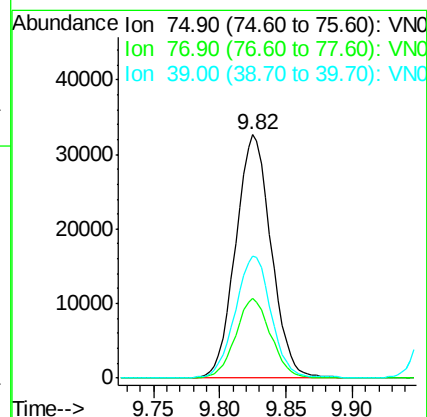
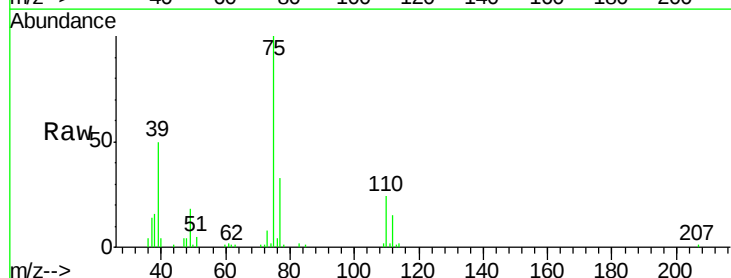
Tgt Ion: 75 Resp: 60870

Ion Ratio Lower Upper

75 100

77 32.6 25.1 37.7

39 50.4 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 20.658 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

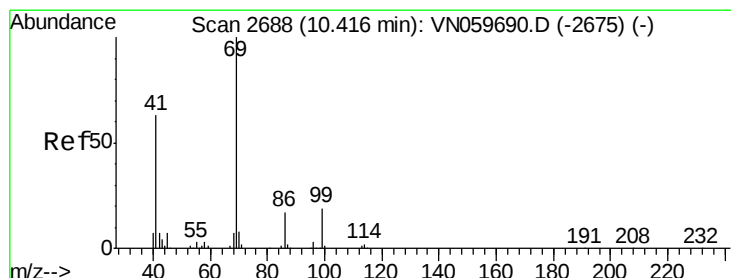
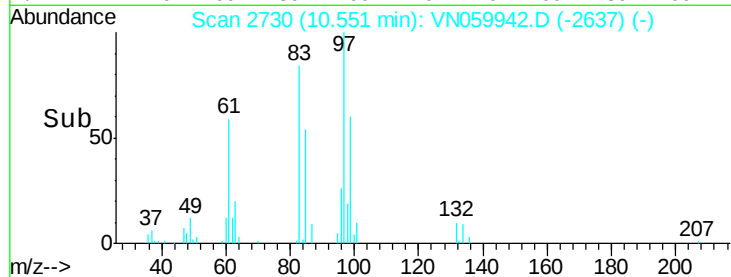
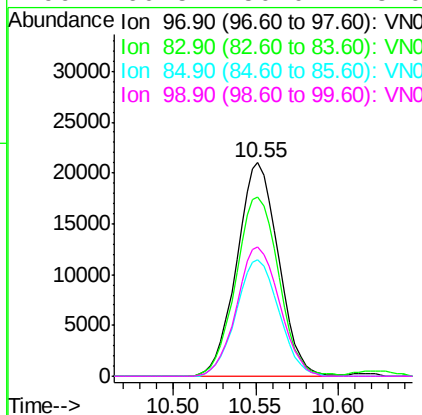
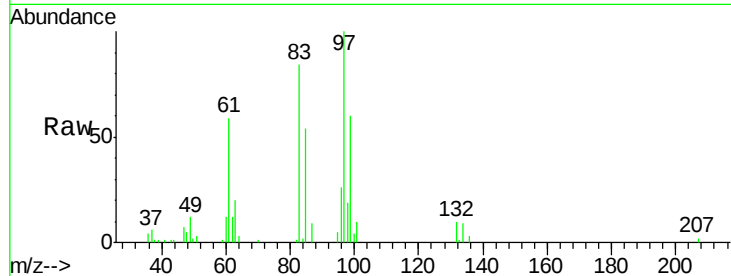
ClientSampleId :

VN0131WBSD01

Tot Ion:	97	Resp:	36818
Ion	Ratio	Lower	Upper
97	100		
83	83.8	71.3	106.9
85	54.4	45.8	68.8
99	60.5	50.0	75.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.942 ug/l

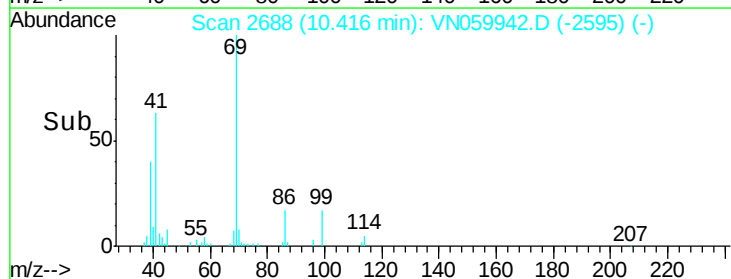
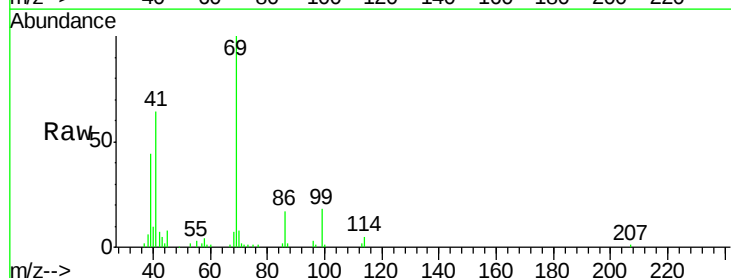
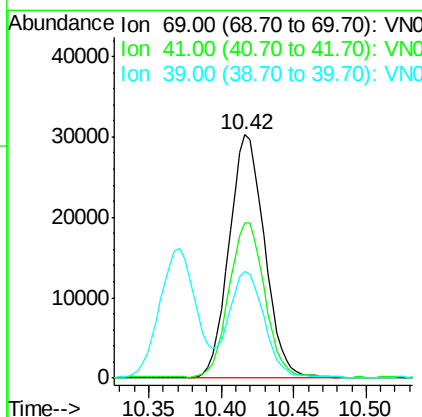
RT: 10.42 min Scan# 2688

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Tgt Ion:	69	Resp:	51584
Ion	Ratio	Lower	Upper
69	100		
41	64.7	57.1	85.7
39	43.4	34.7	52.1





#57

1,3-Dichloropropane

Concen: 21.147 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampled :

VN0131WBSD01

Tot Ion: 76 Resp: 59836

Ion Ratio Lower Upper

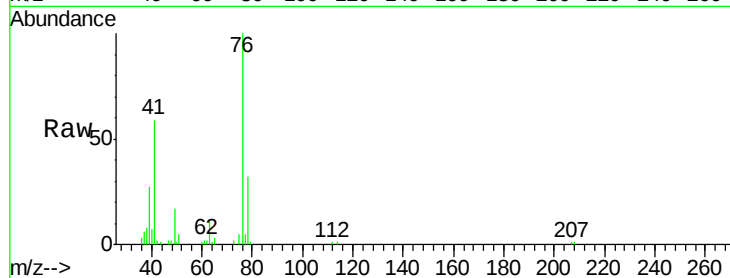
76 100

78 32.3 25.8 38.8

Manual Integrations
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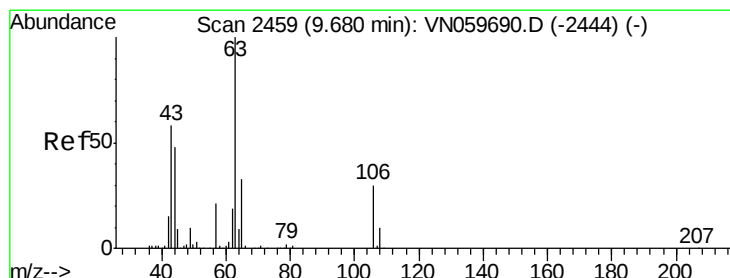
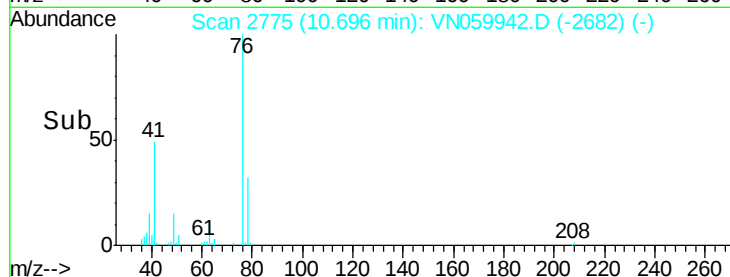
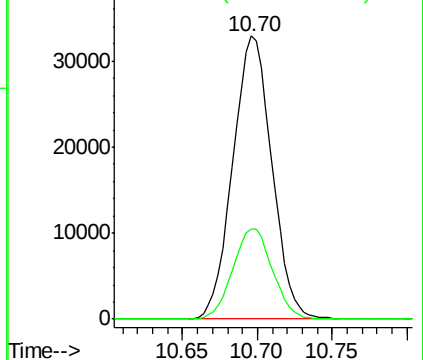
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 104.726 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059942.D

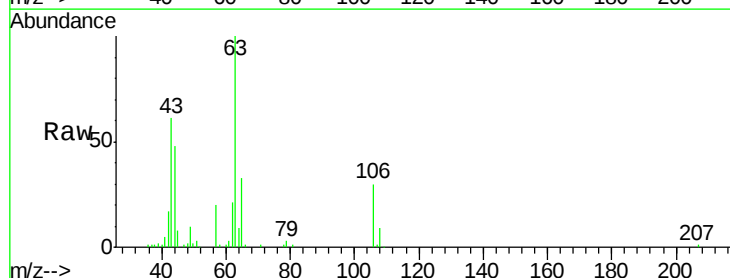
Acq: 31 Jan 2020 13:03

Tgt Ion: 63 Resp: 85903

Ion Ratio Lower Upper

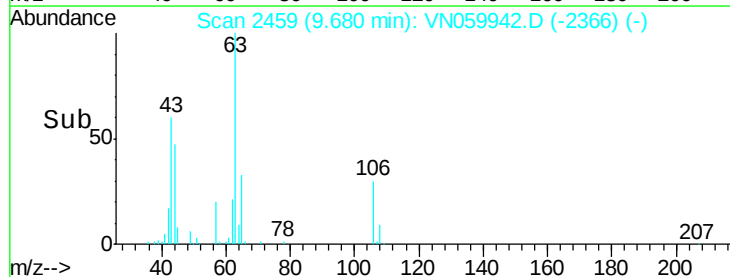
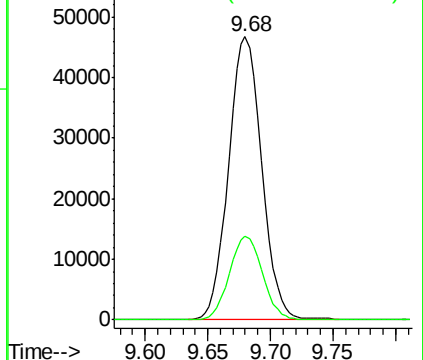
63 100

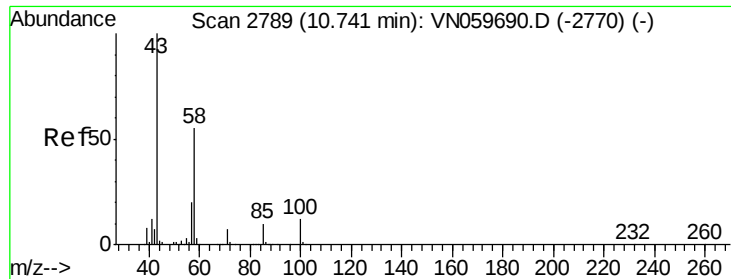
106 29.4 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





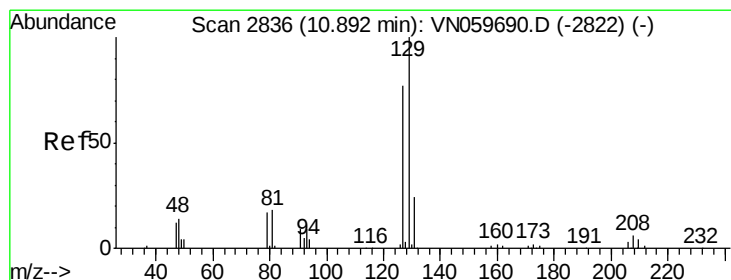
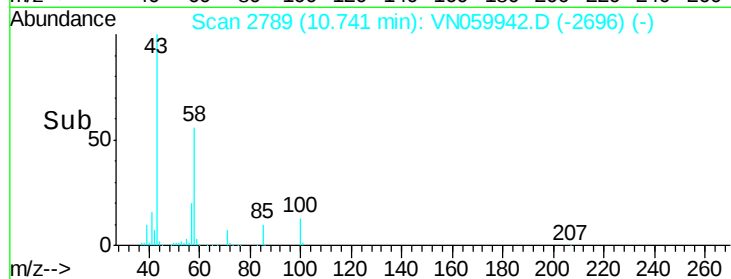
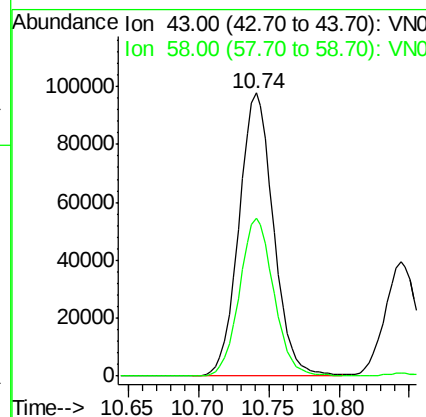
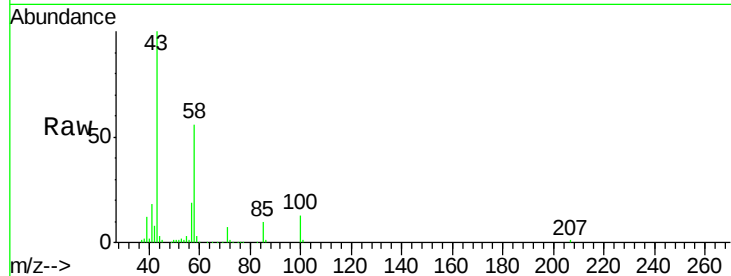
#59
2-Hexanone
Concen: 102.312 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion: 43 Resp: 167911
Ion Ratio Lower Upper
43 100
58 55.4 25.8 77.3

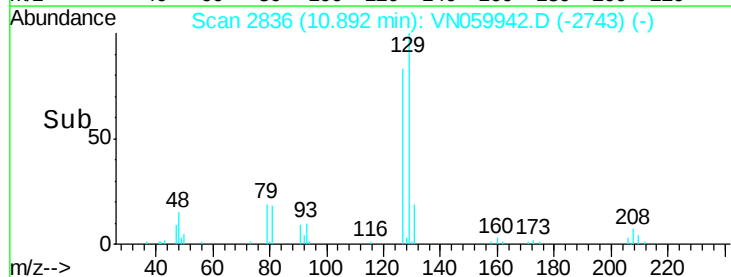
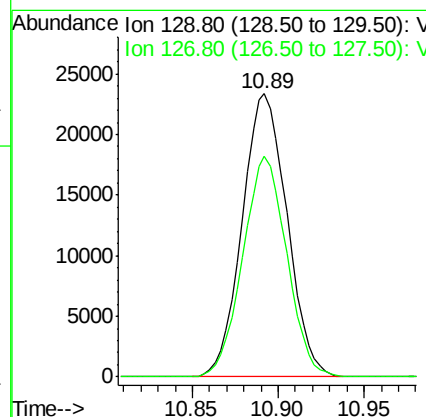
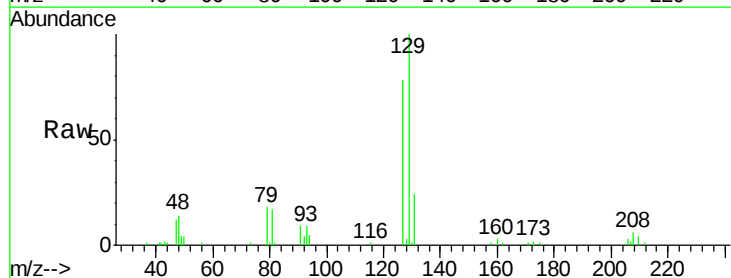
Manual Integrations
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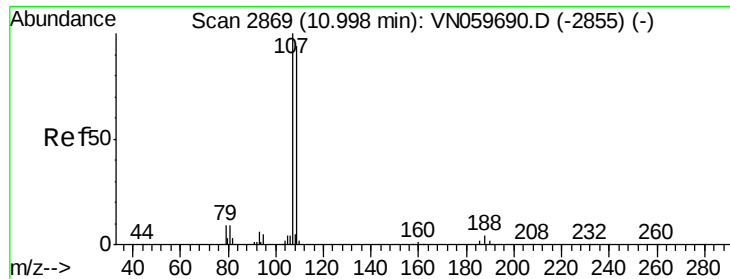
MMDadoda
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#60
Dibromochloromethane
Concen: 20.857 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion: 129 Resp: 42331
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5





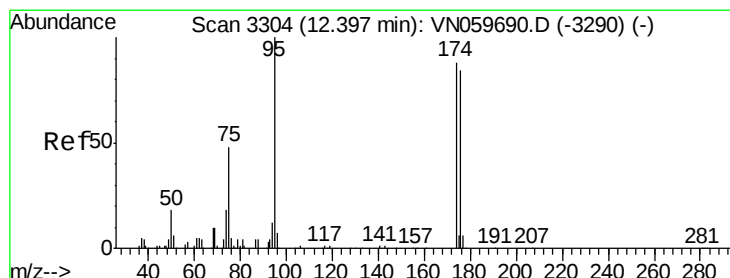
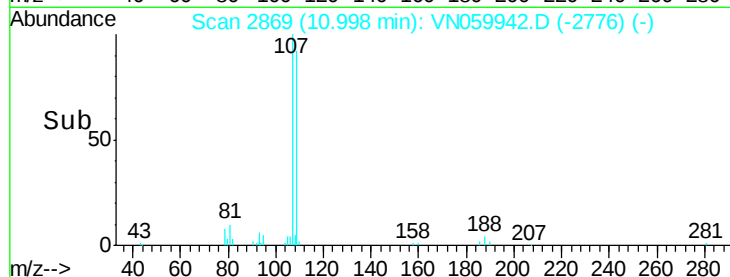
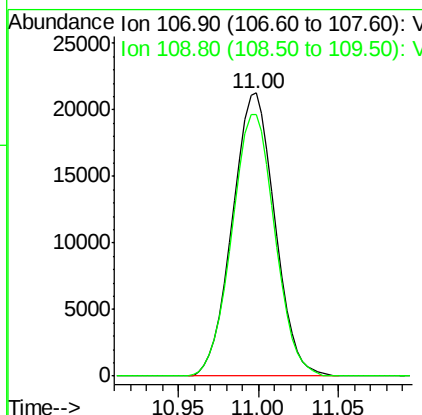
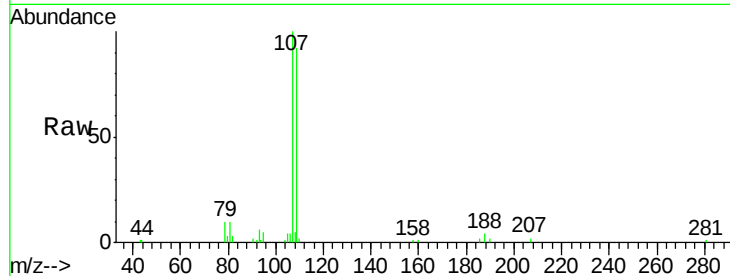
#61
 1,2-Dibromoethane
 Concen: 20.638 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.6	115.0

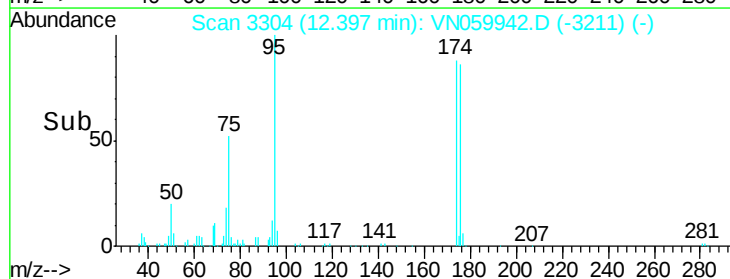
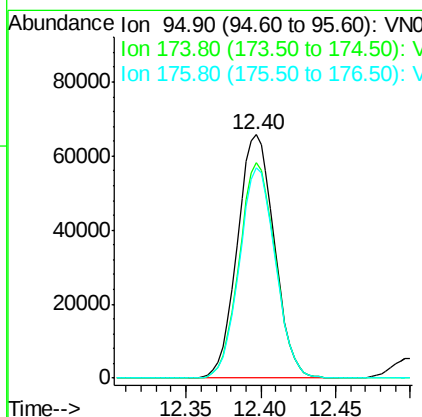
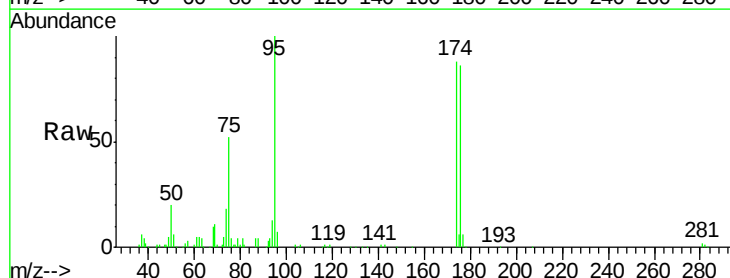
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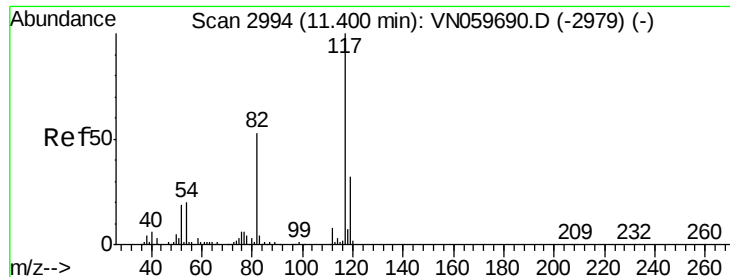
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 49.586 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.2	0.0	151.4
176	84.1	0.0	146.0





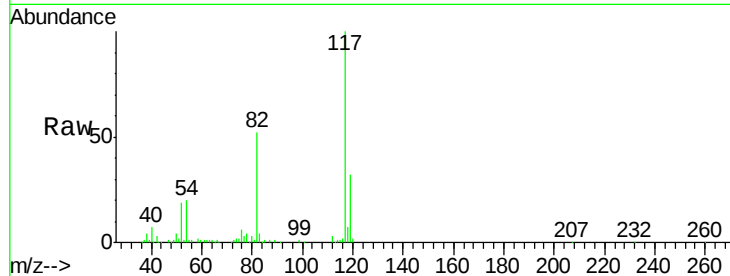
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	249132		
82	52.3	45.9	68.9	
119	31.9	25.5	38.3	

Manual Integrations
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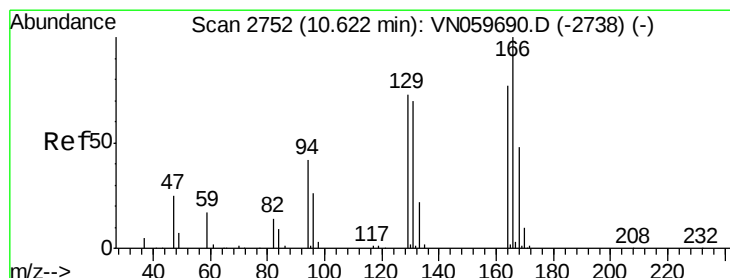
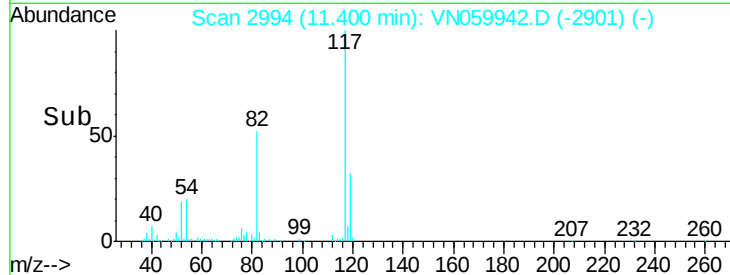
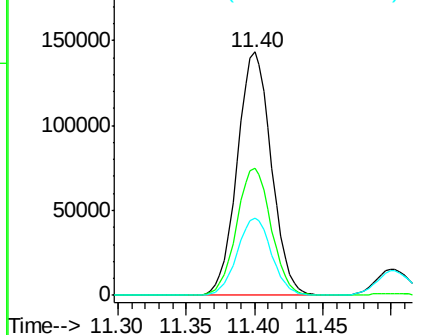


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.022 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44715		
166	125.9	101.4	152.0	
129	94.0	80.2	120.4	
131	86.8	75.0	112.4	

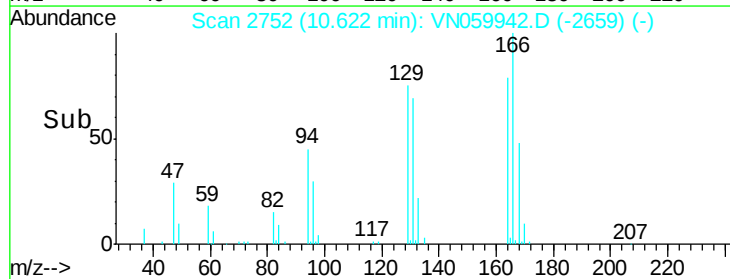
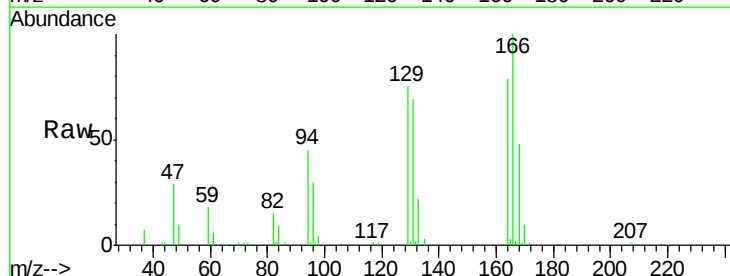
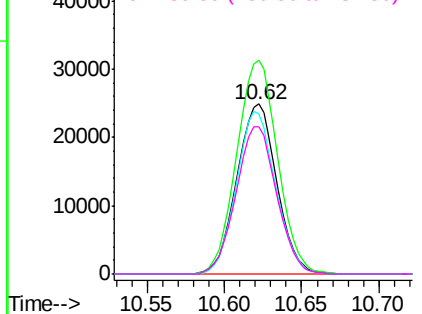
Abundance

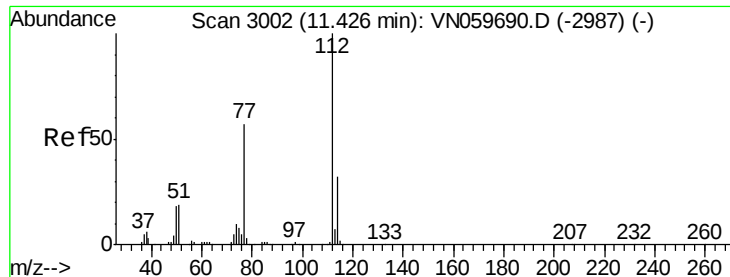
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





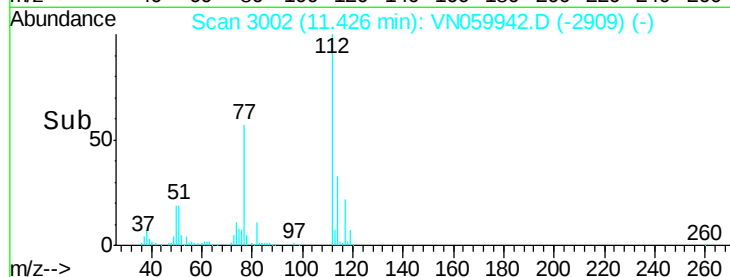
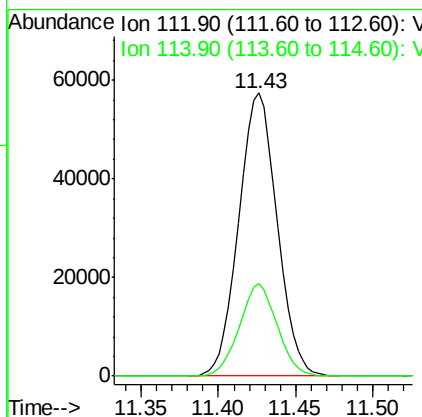
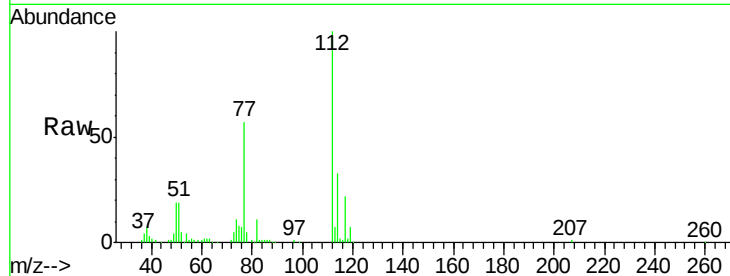
#65
Chlorobenzene
Concen: 20.262 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion:112 Resp: 99217
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8

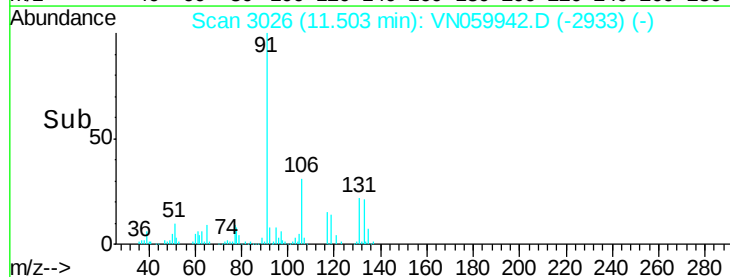
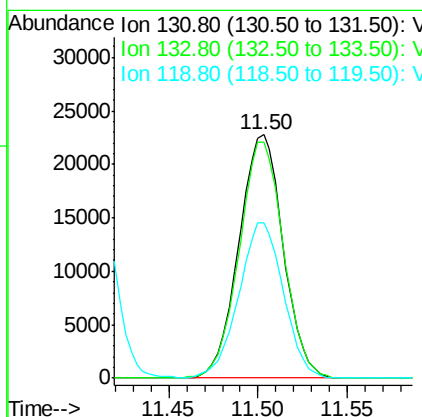
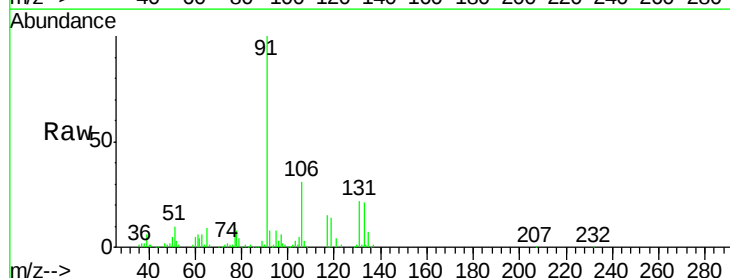
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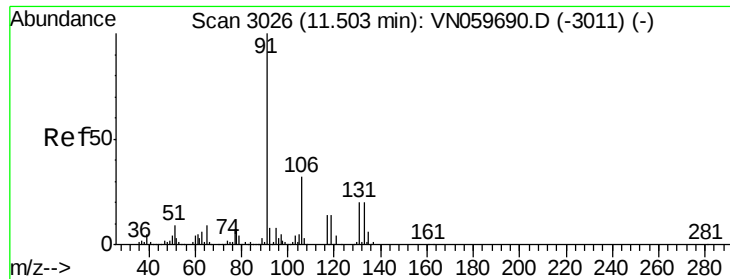
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.783 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion:131 Resp: 39324
Ion Ratio Lower Upper
131 100
133 97.3 47.4 142.2
119 64.3 33.1 99.3





#67

Ethyl Benzene

Concen: 19.636 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBSD01

Tot Ion: 91 Resp: 174546

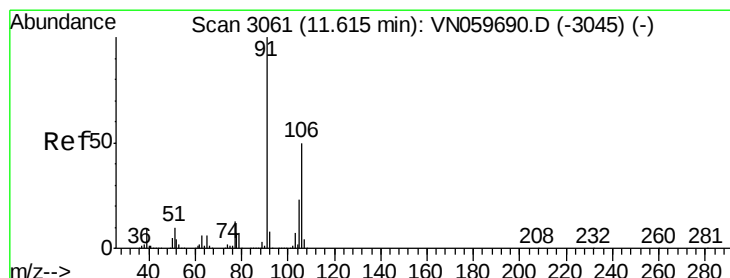
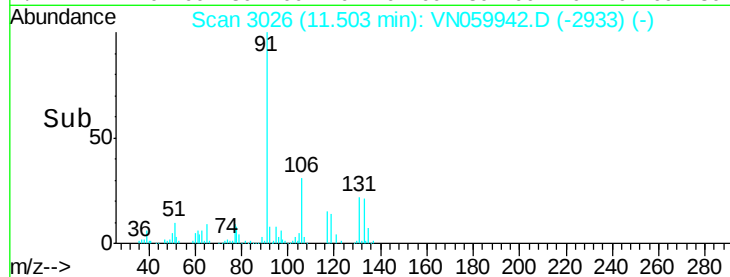
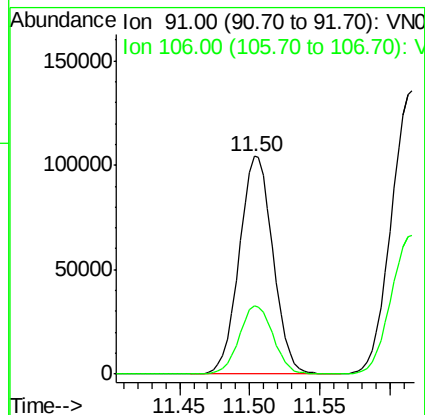
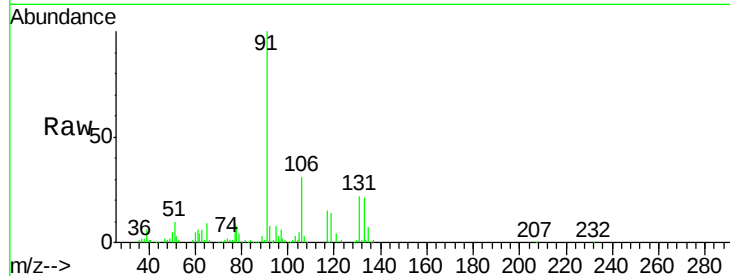
Ion Ratio Lower Upper

91 100

106 31.4 24.1 36.1

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#68

m/p-Xylenes

Concen: 39.177 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059942.D

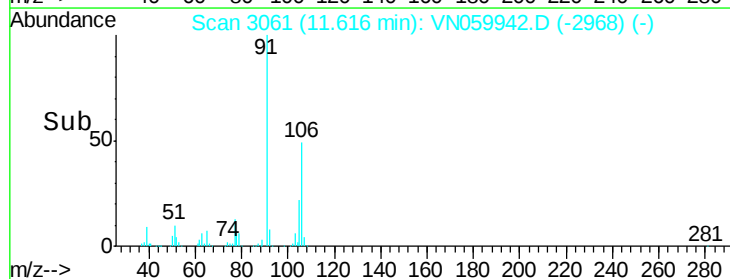
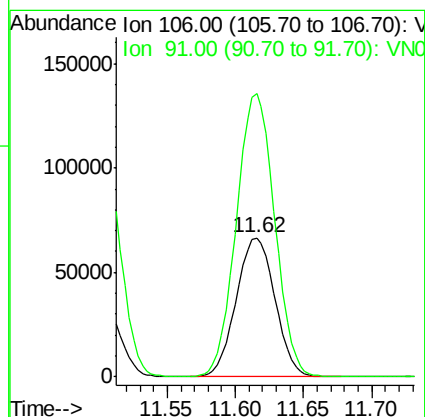
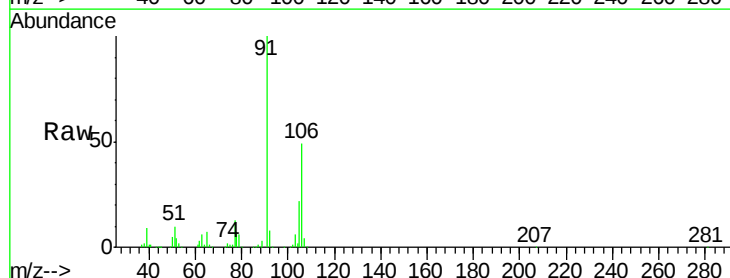
Acq: 31 Jan 2020 13:03

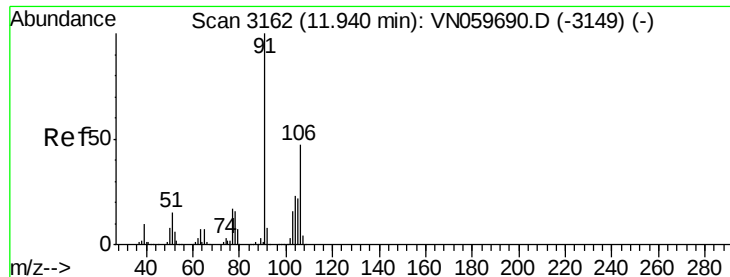
Tgt Ion: 106 Resp: 131549

Ion Ratio Lower Upper

106 100

91 201.0 167.9 251.9





#69

o-Xylene

Concen: 19.749 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBSD01

Tot Ion:106 Resp: 64922

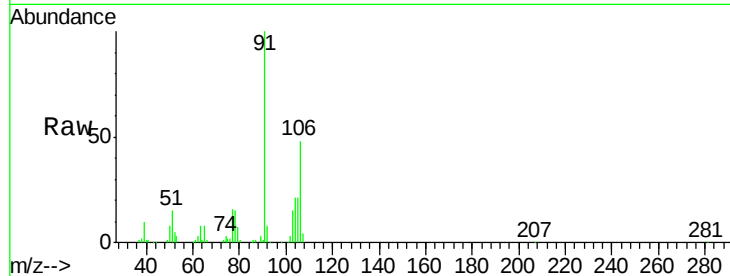
Ion Ratio Lower Upper

106 100

91 209.2 110.3 330.9

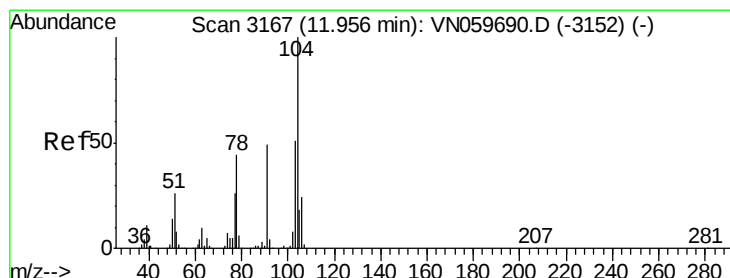
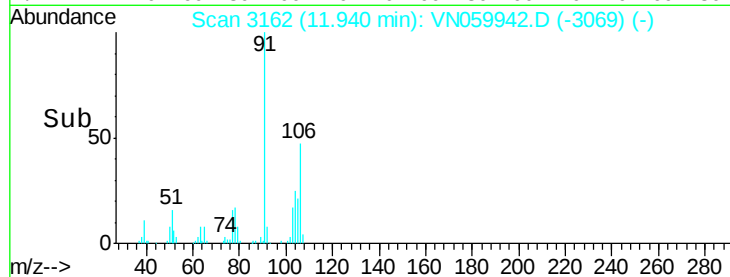
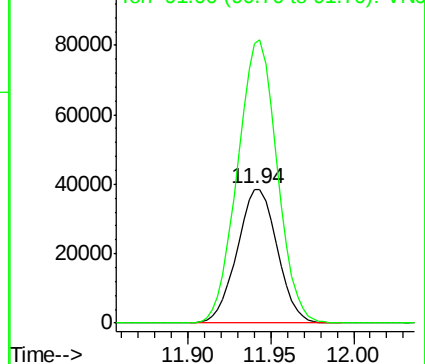
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 18.834 ug/l

RT: 11.96 min Scan# 3168

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

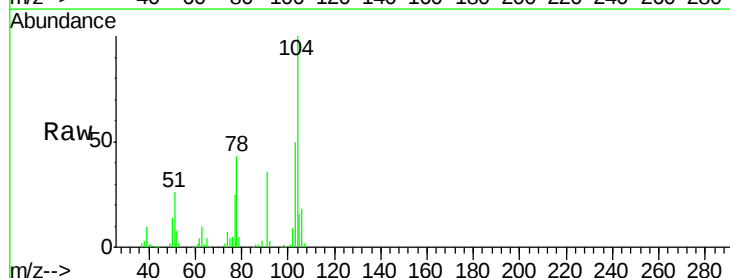
Tgt Ion:104 Resp: 103601

Ion Ratio Lower Upper

104 100

78 49.0 42.4 63.6

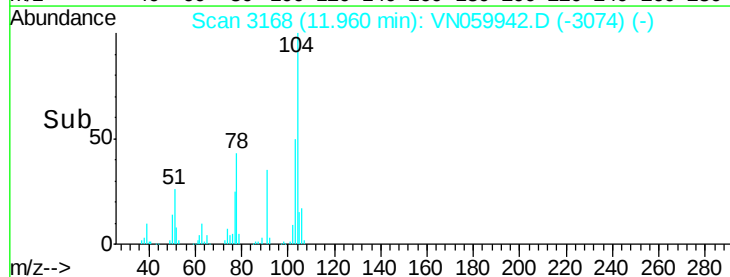
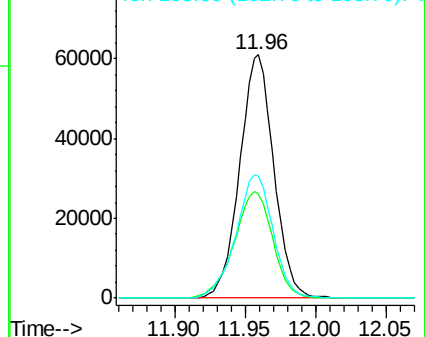
103 55.2 43.9 65.9

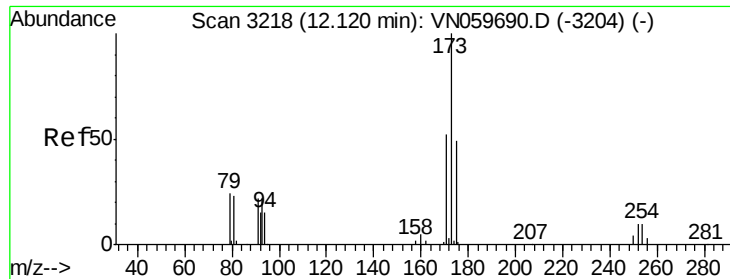


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





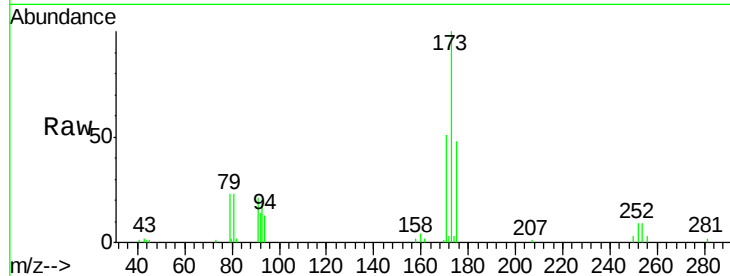
#71
Bromoform
Concen: 20.519 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.8	71.4
254	0.0	0.0	0.0

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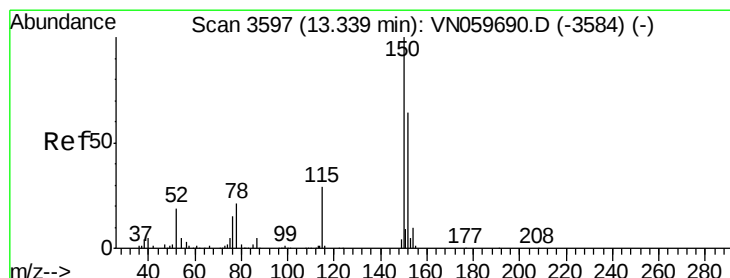
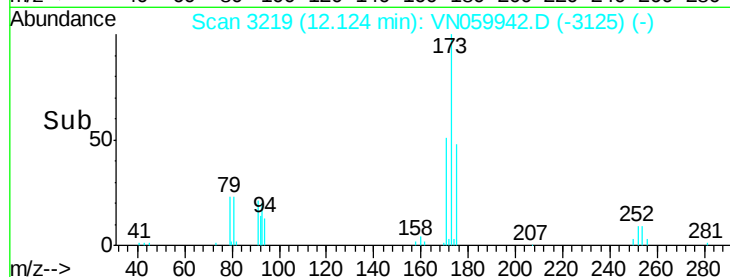
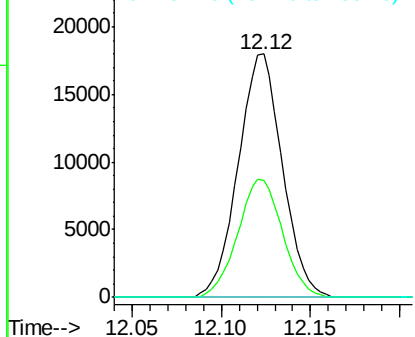


Abundance

Ion 172.70 (172.40 to 173.40): V

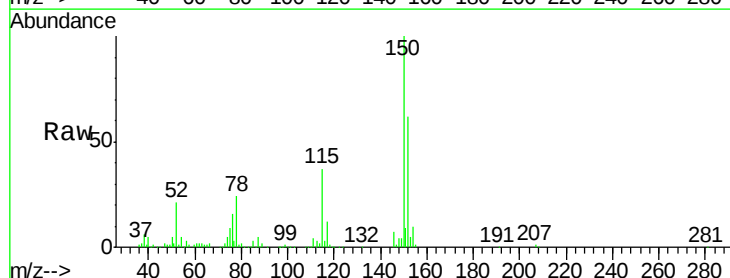
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.3	90.9
150	163.3	0.0	345.2

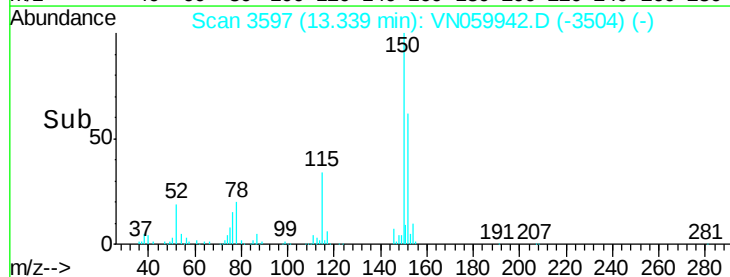
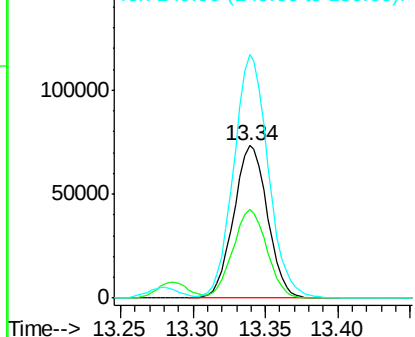


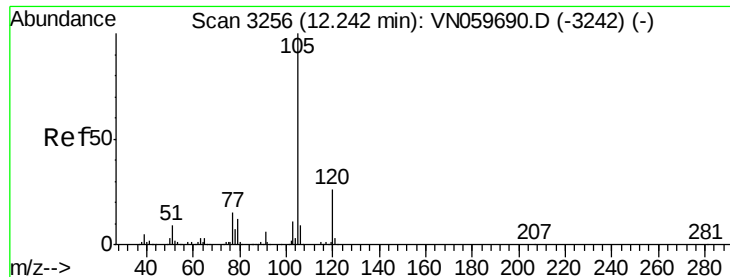
Abundance

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: 20.073 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBSD01

Tot Ion: 105 Resp: 174765

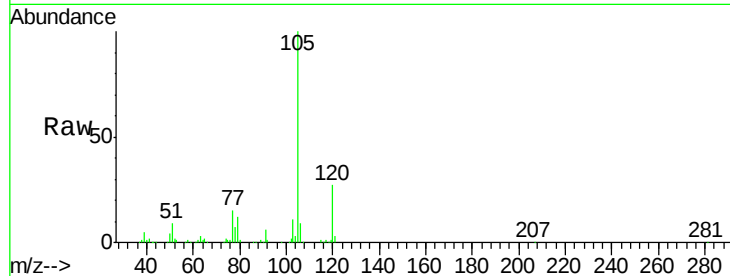
Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.5

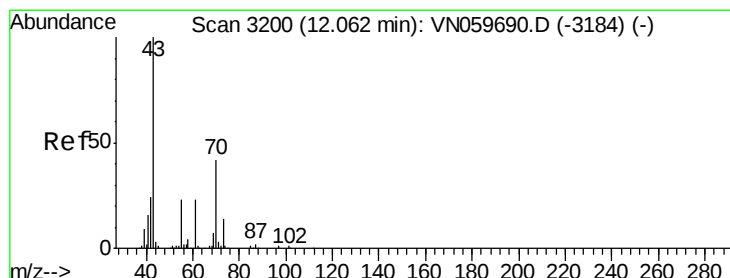
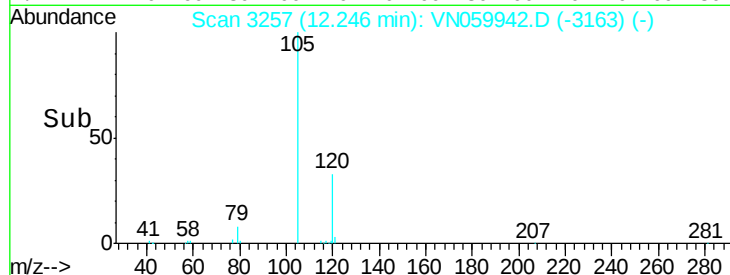
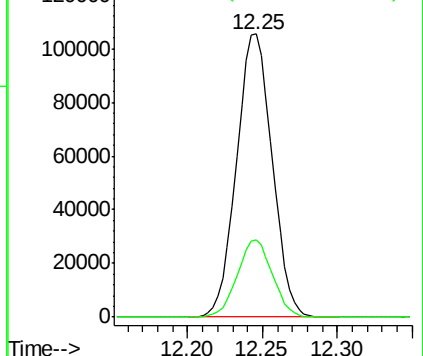
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.643 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Tgt Ion: 43 Resp: 62981

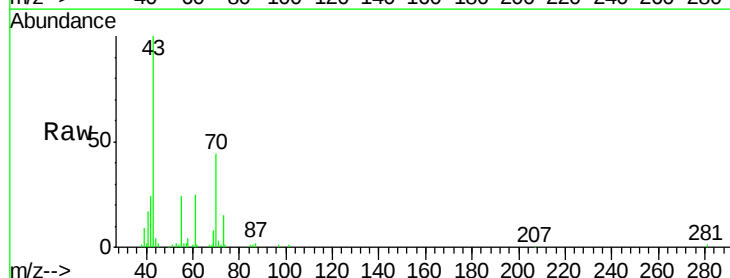
Ion Ratio Lower Upper

43 100

70 43.1 31.3 46.9

55 23.7 19.8 29.6

61 24.0 18.3 27.5

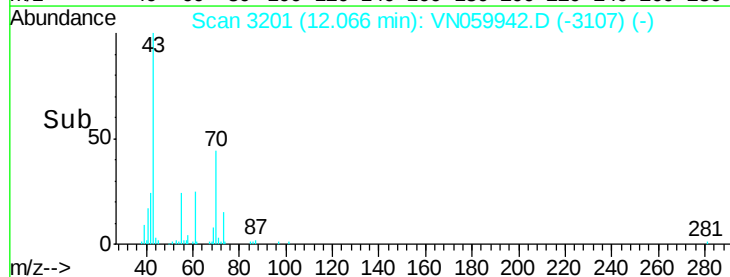
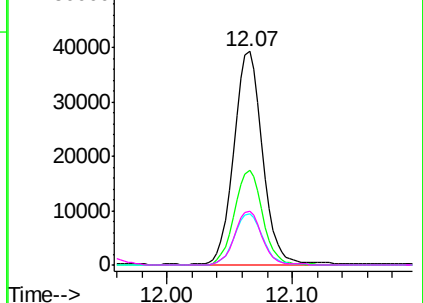


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.082 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

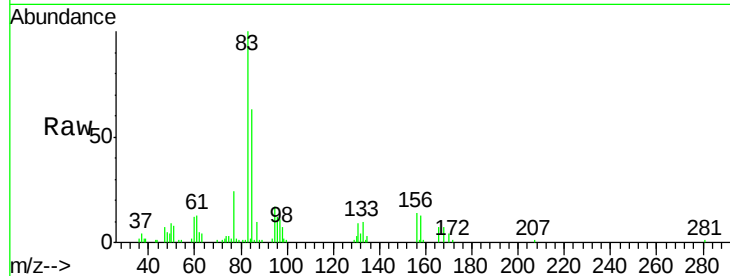
ClientSampleId :

VN0131WBSD01

Tot Ion:	83	Resp:	50687
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	65.0	31.9	95.5

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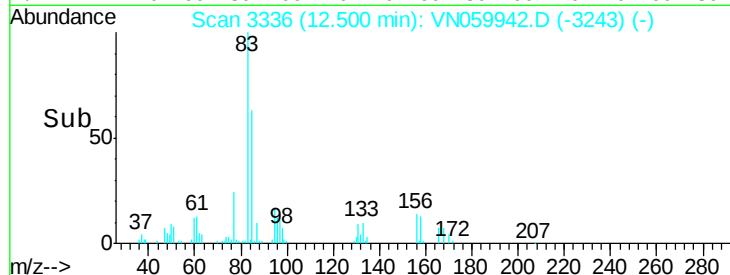


Abundance Ion 82.90 (82.60 to 83.60): VN059942.D (-3243) (-)

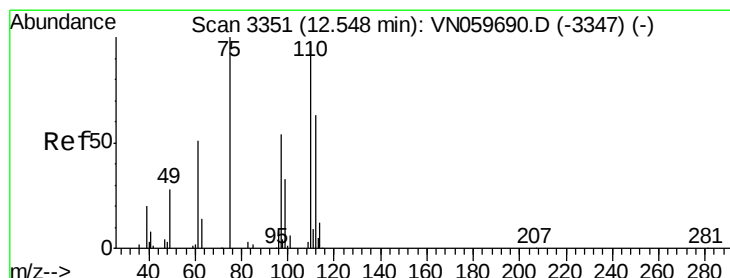
Ion 130.80 (130.50 to 131.50): VN059942.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN059942.D (-3243) (-)

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.828 ug/l m

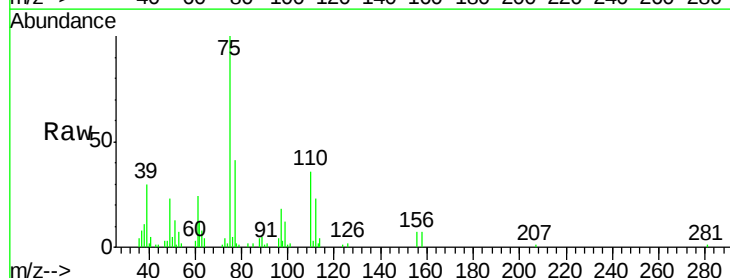
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

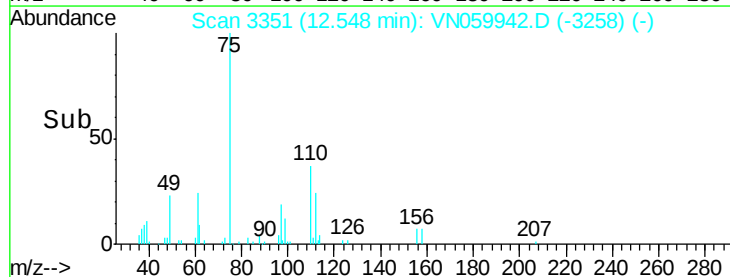
Tgt Ion:	75	Resp:	43608
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059942.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN059942.D (-3258) (-)

Time-->



Time-->



#77

Bromobenzene

Concen: 20.400 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBSD01

Tot Ion:156 Resp: 44978

Ion Ratio Lower Upper

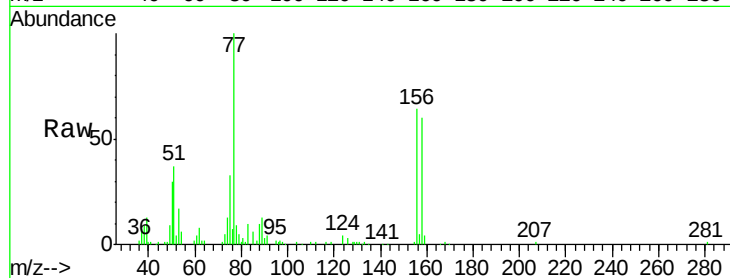
156 100

77 193.2 115.8 347.4

158 97.5 49.2 147.6

Manual Integrations
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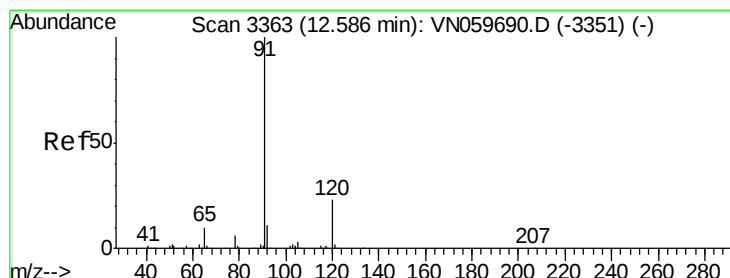
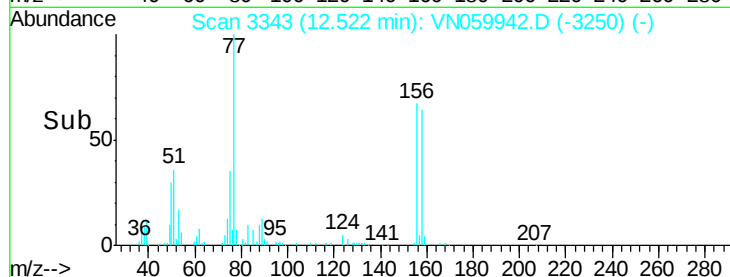
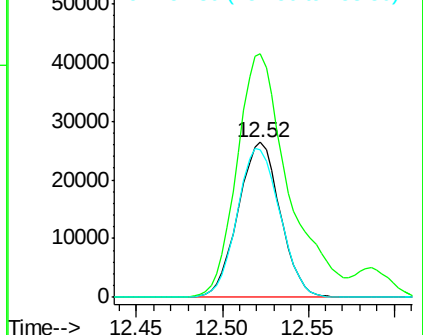
MMDadoda
2/4/2020 12:50:46 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.777 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059942.D

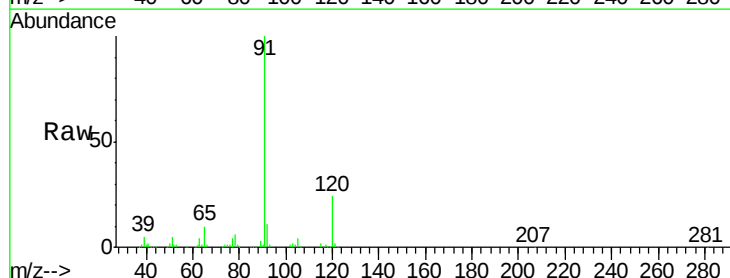
Acq: 31 Jan 2020 13:03

Tgt Ion: 91 Resp: 193263

Ion Ratio Lower Upper

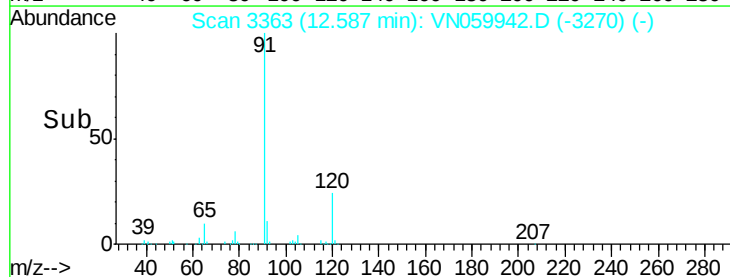
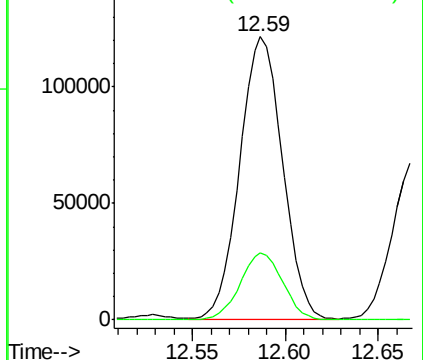
91 100

120 23.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.522 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN0131WBSD01

Tot Ion: 91 Resp: 113490

Ion Ratio Lower Upper

91 100

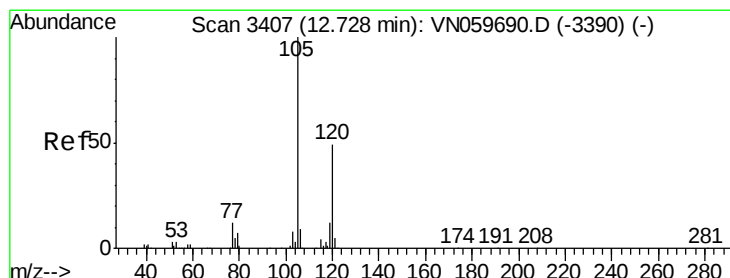
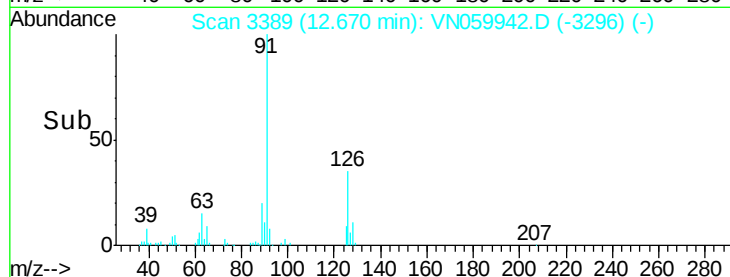
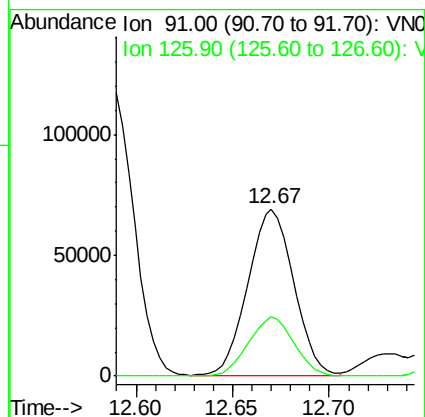
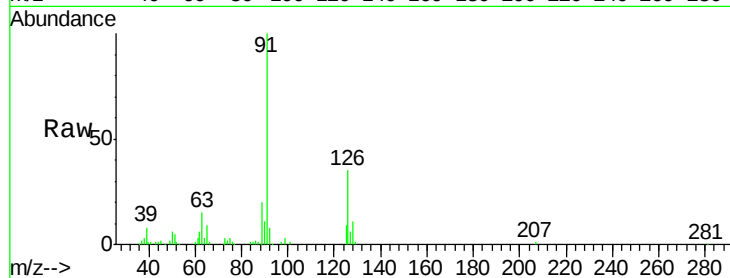
126 35.3 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 19.769 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059942.D

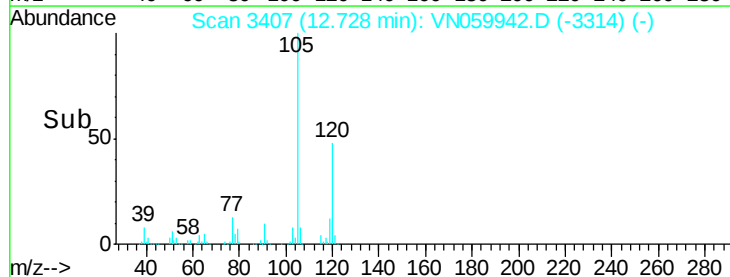
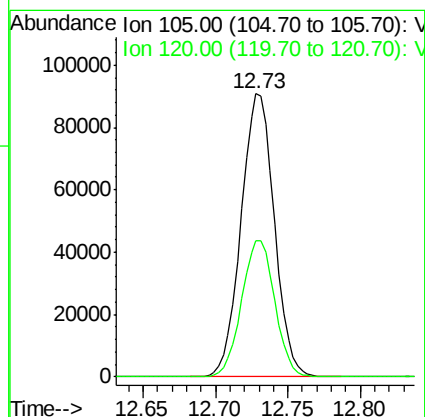
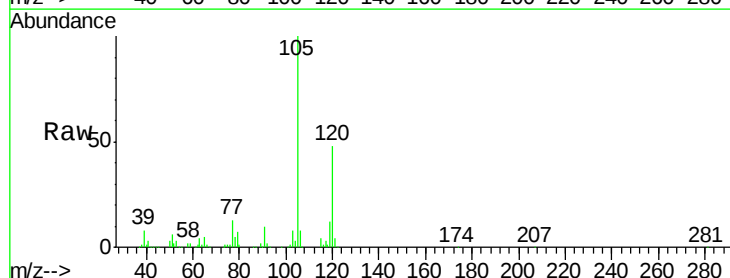
Acq: 31 Jan 2020 13:03

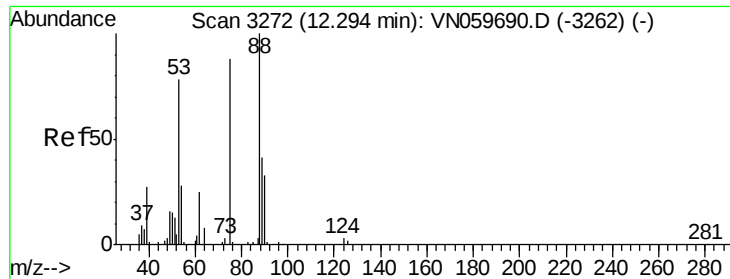
Tgt Ion: 105 Resp: 144750

Ion Ratio Lower Upper

105 100

120 48.3 24.1 72.4





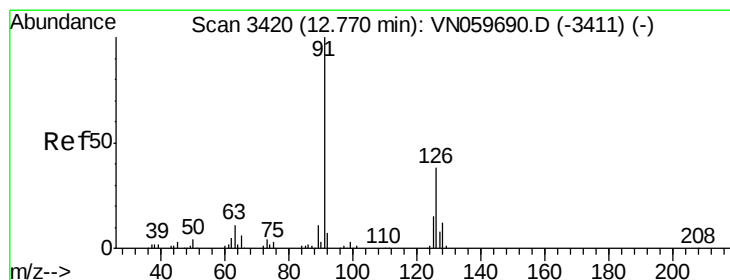
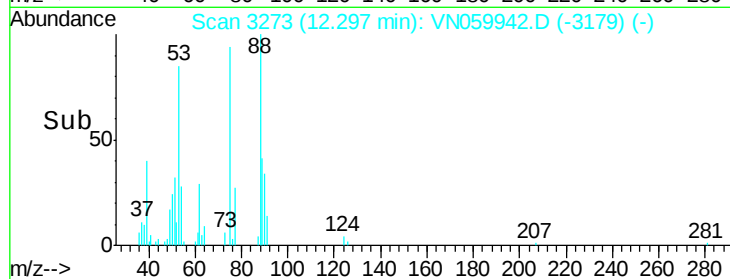
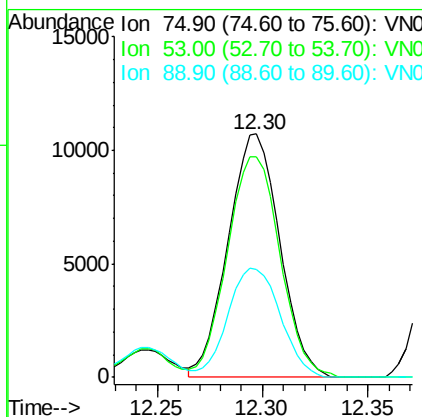
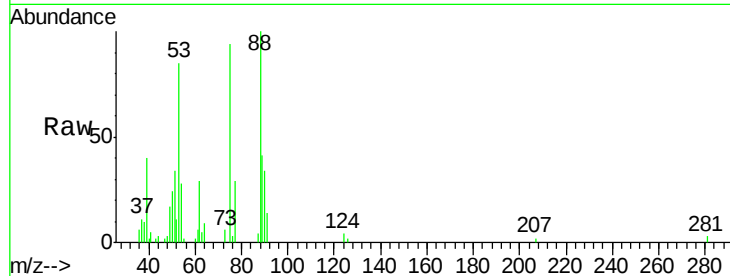
#81
trans-1,4-Dichloro-2-butene
Concen: 19.656 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.5	78.1	117.1
89	45.3	35.4	53.2

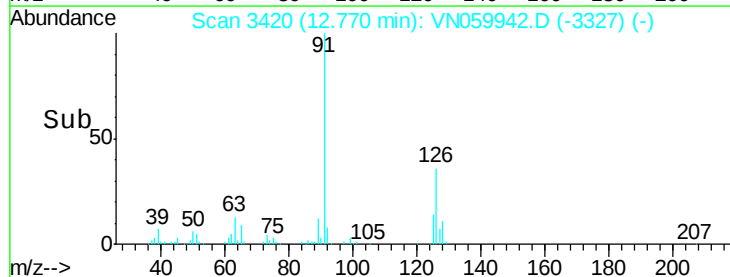
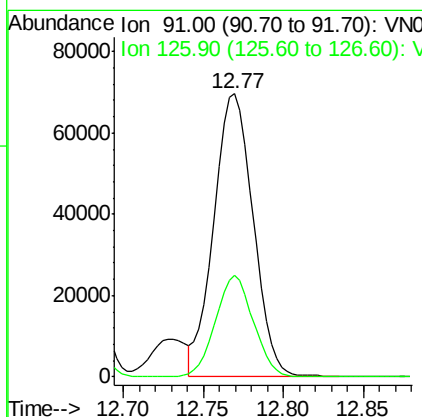
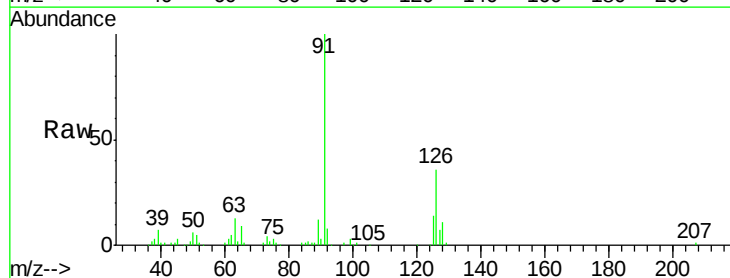
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#82
4-Chlorotoluene
Concen: 20.312 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.3	48.8





#83

tert-Butylbenzene

Concen: 19.900 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Instrument :

MSVOA_N

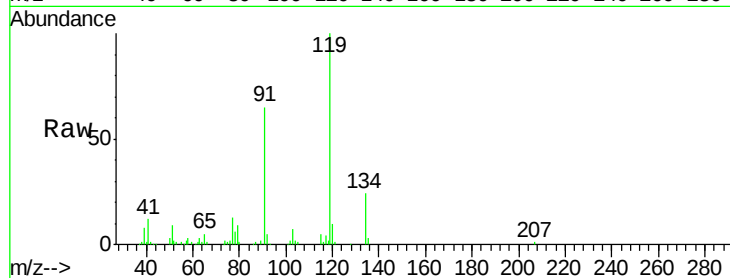
ClientSampled :

VN0131WBSD01

Tot Ion:	119	Resp:	126020
Ion Ratio	Lower	Upper	
119	100		
91	63.5	34.8	104.4
134	24.9	12.3	36.9

Manual Integrations
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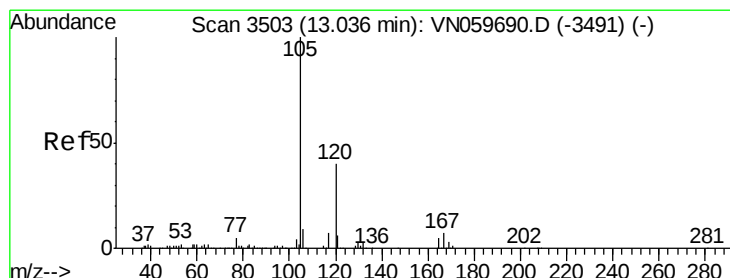
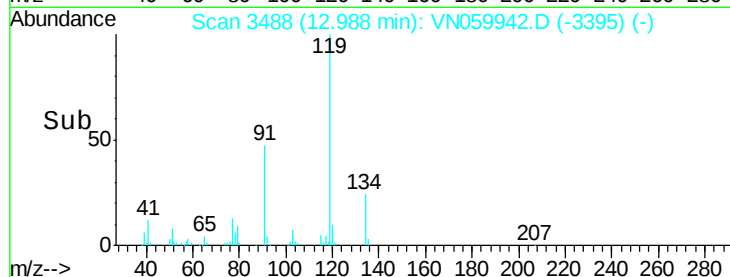
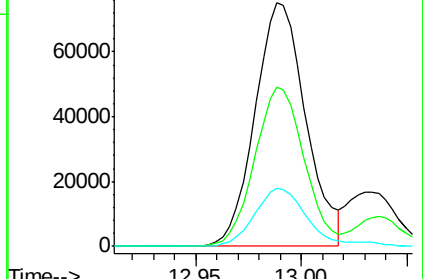
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.912 ug/l

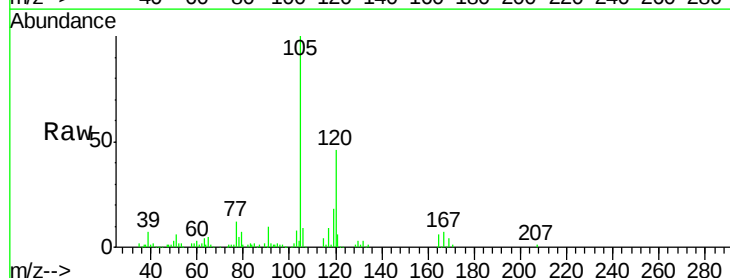
RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN059942.D

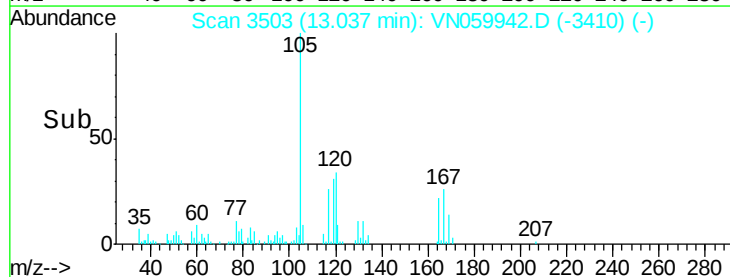
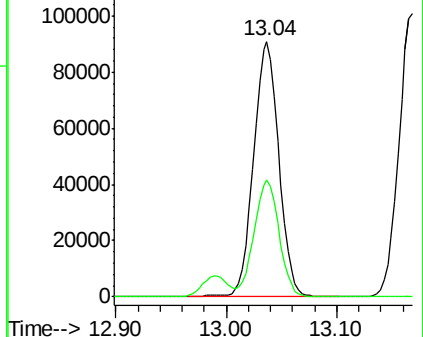
Acq: 31 Jan 2020 13:03

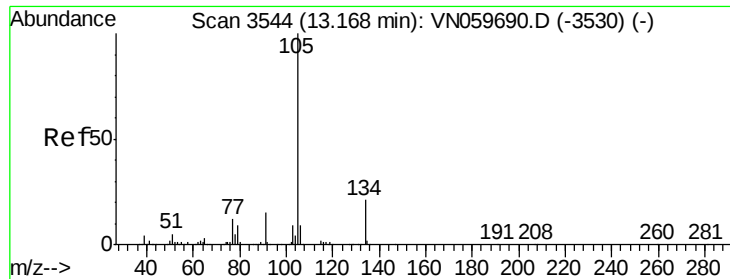
Tgt Ion:	105	Resp:	144239
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





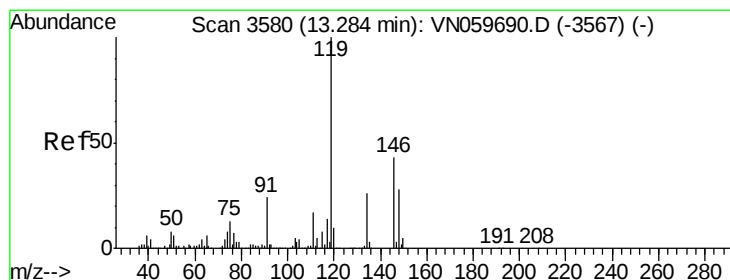
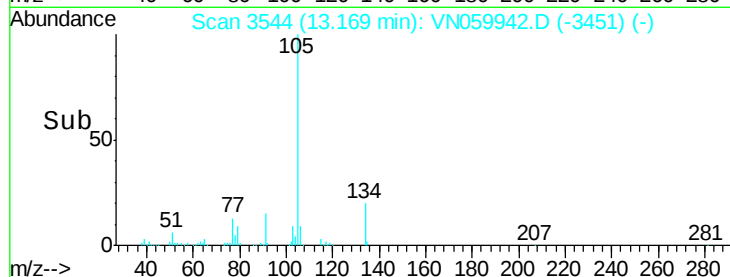
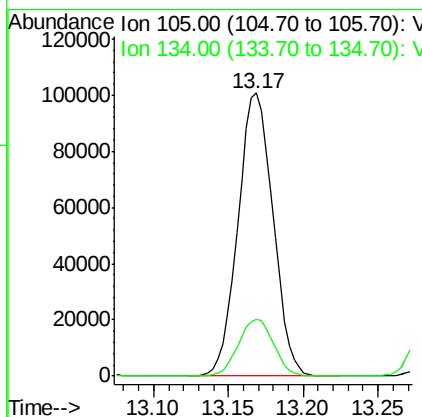
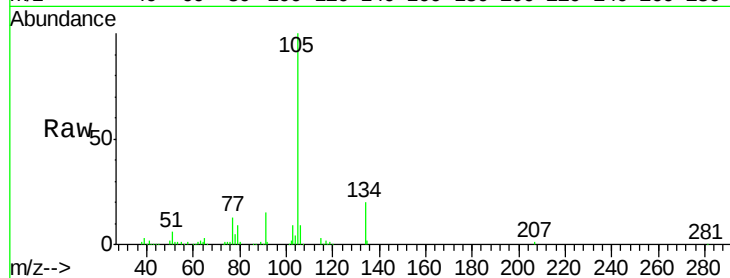
#85
 sec-Butylbenzene
 Concen: 19.769 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.8	29.5

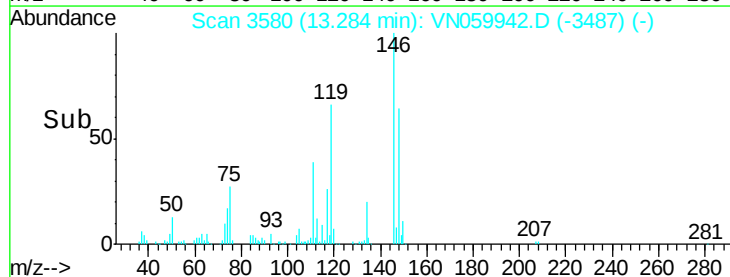
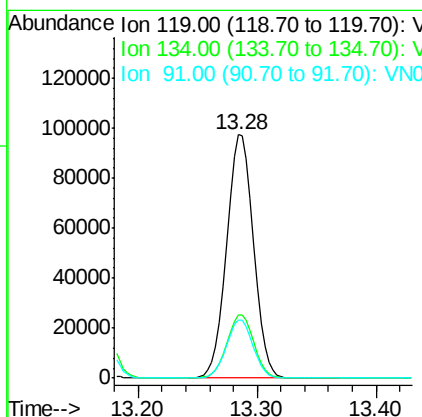
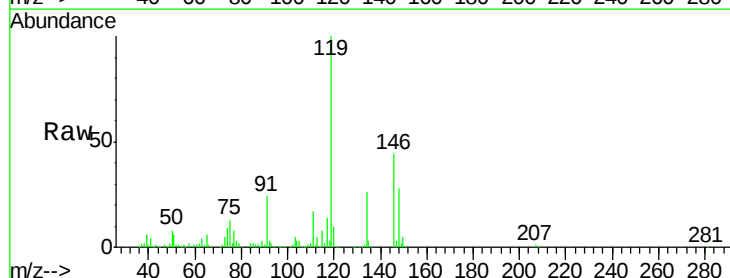
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#86
 p-Isopropyltoluene
 Concen: 19.839 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.9	38.7
91	23.6	12.4	37.4





#87

1,3-Dichlorobenzene

Concen: 20.348 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059942.D

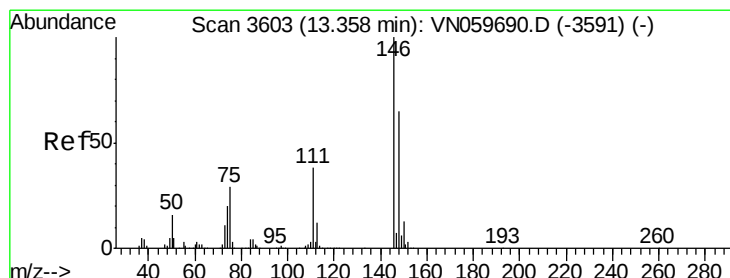
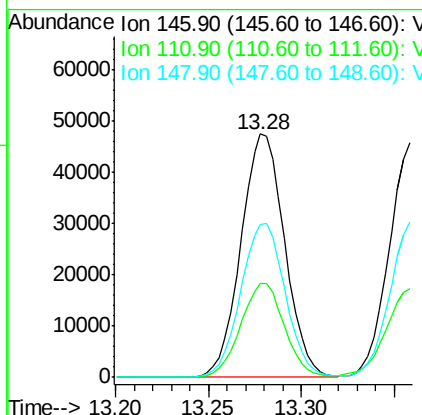
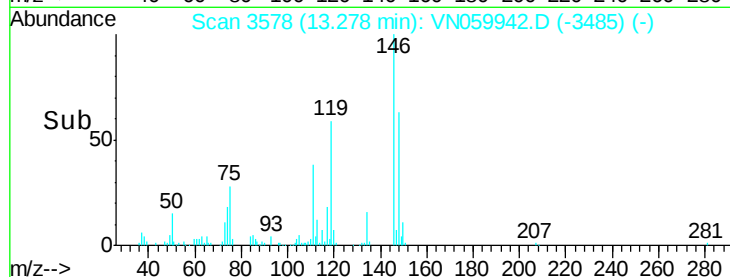
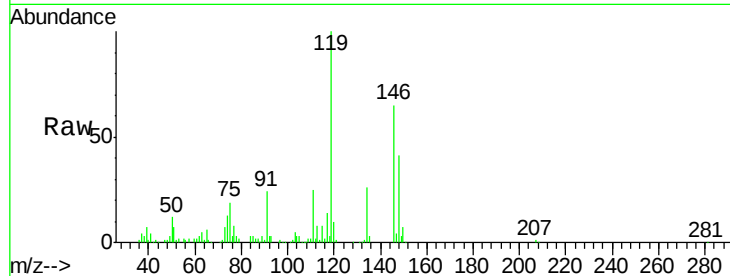
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	20.8	62.2
148	64.4	32.0	96.0

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#88

1,4-Dichlorobenzene

Concen: 20.123 ug/l

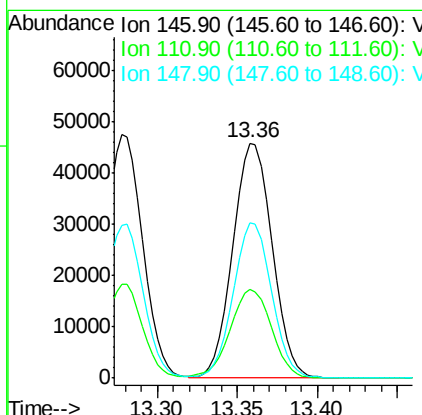
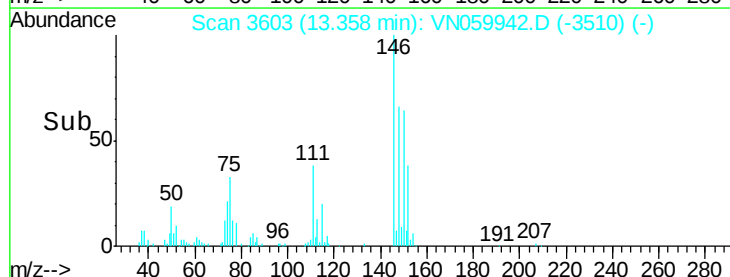
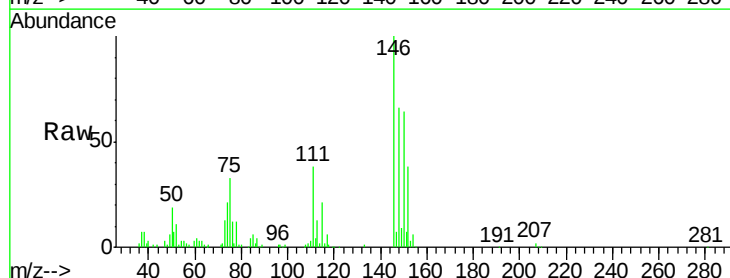
RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059942.D

Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.8	62.2
148	64.5	31.8	95.4





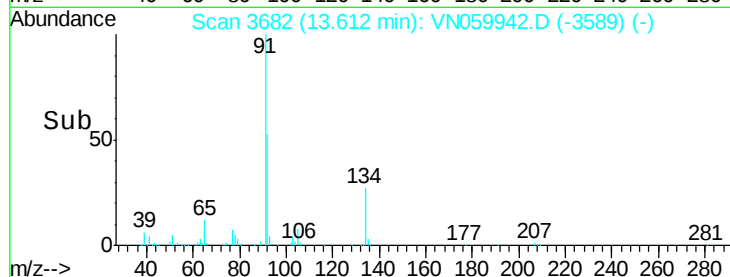
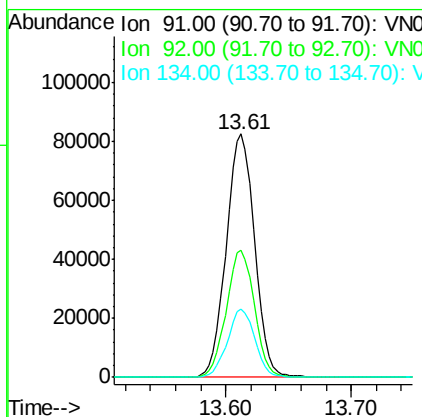
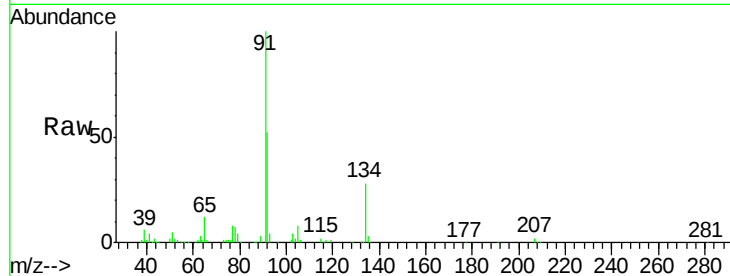
#89
n-Butylbenzene
Concen: 19.719 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.9	77.7
134	27.2	12.3	36.8

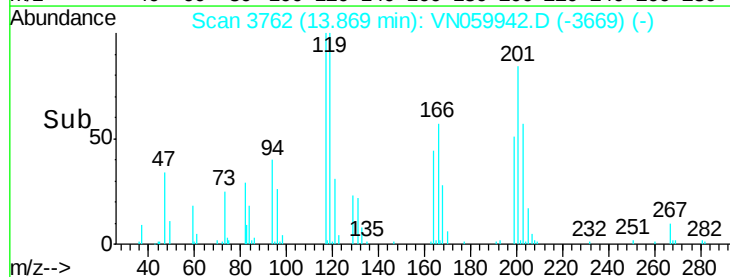
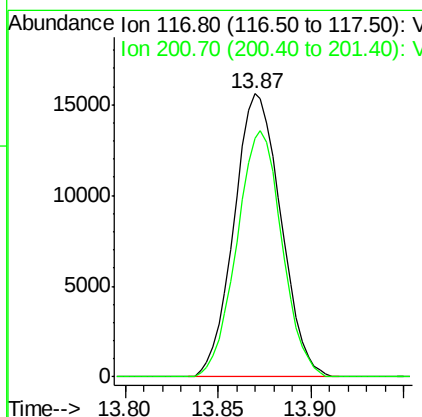
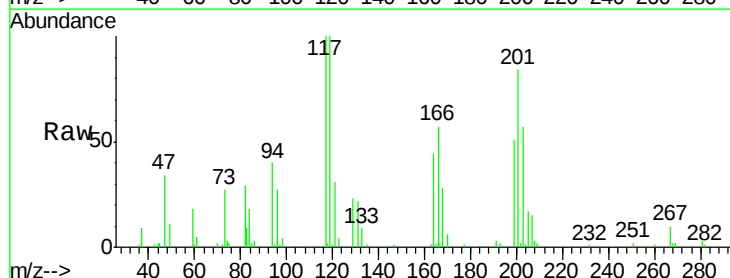
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#90
Hexachloroethane
Concen: 18.984 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	37.8	113.4





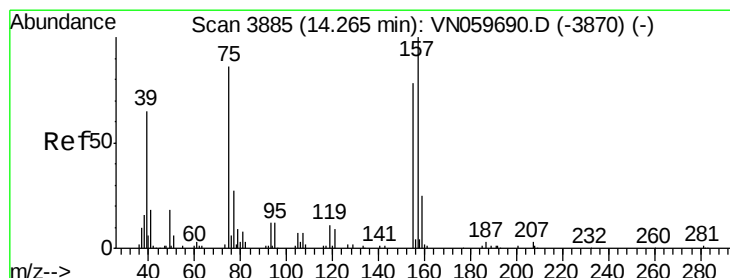
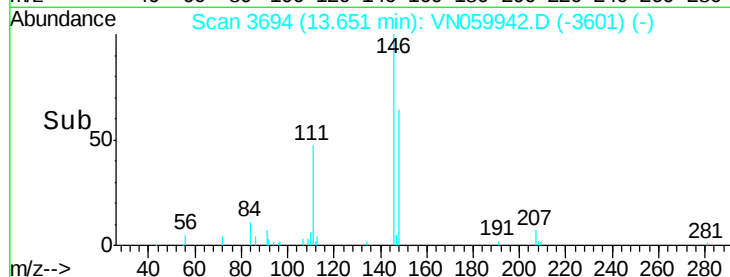
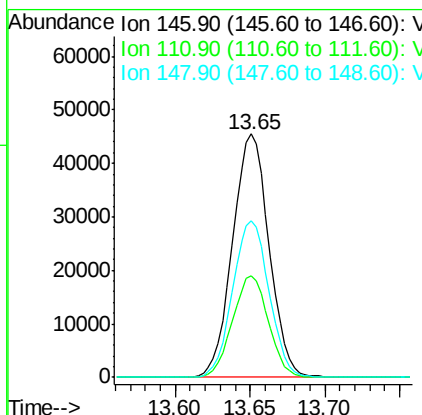
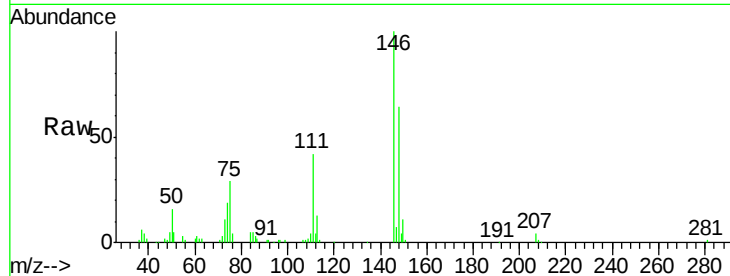
#91
 1,2-Dichlorobenzene
 Concen: 20.396 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.6	64.8
148	64.1	31.6	95.0

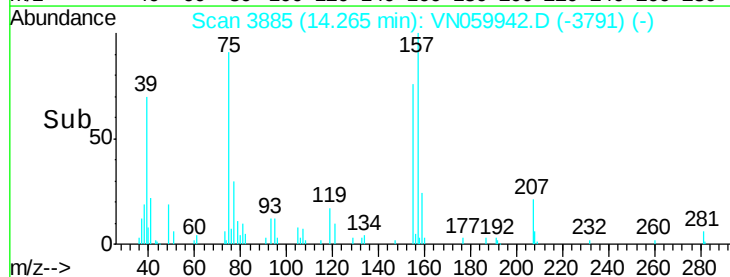
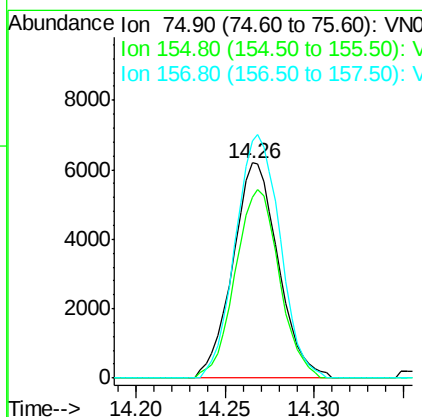
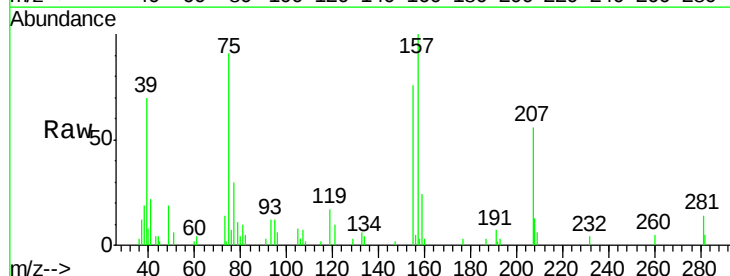
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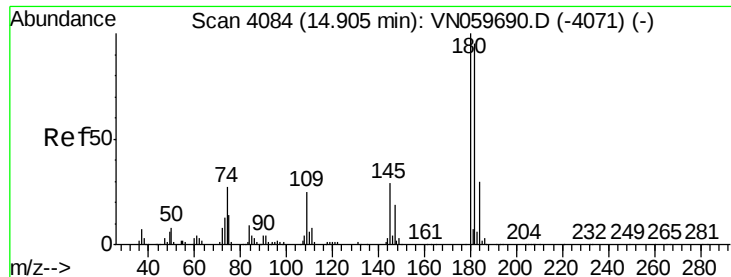
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.964 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.9	37.0	110.9
157	111.3	48.4	145.2





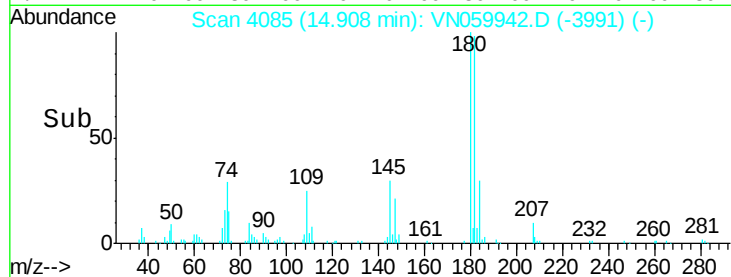
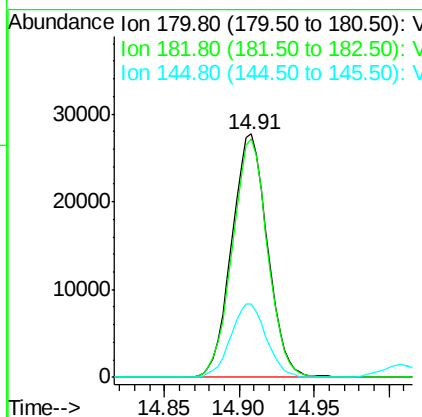
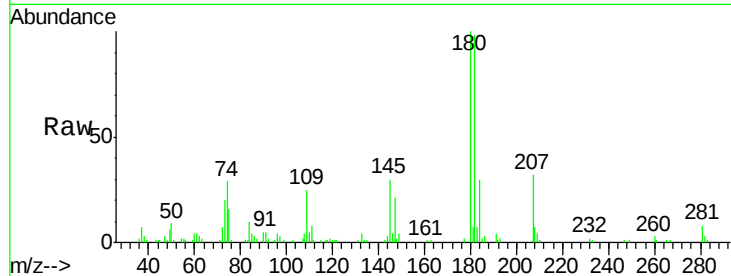
#93
 1,2,4-Trichlorobenzene
 Concen: 20.289 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	46.9	140.7
145	30.0	15.0	45.1

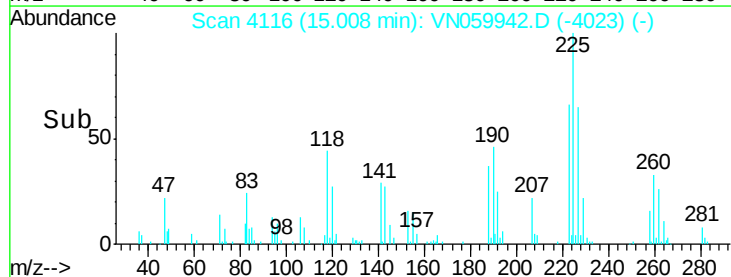
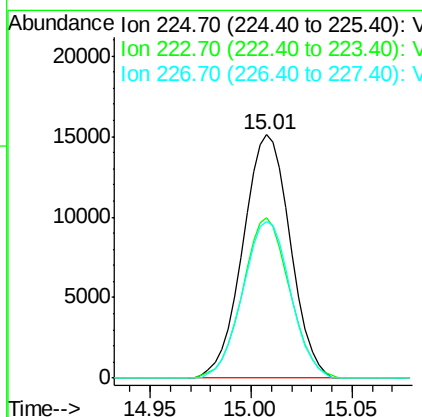
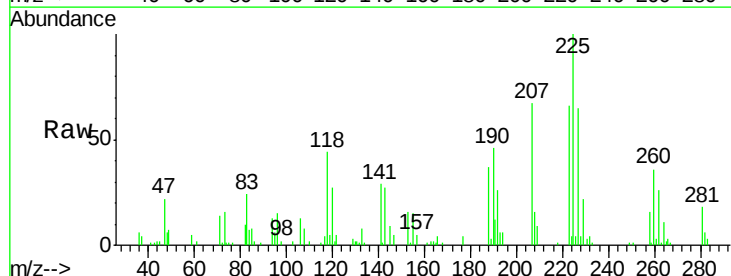
Manual Integrations
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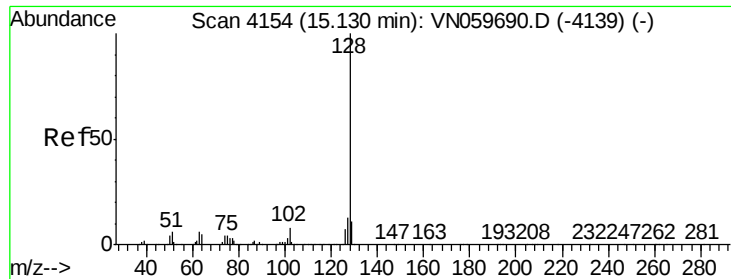
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#94
 Hexachlorobutadiene
 Concen: 19.795 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059942.D
 Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	31.8	95.3
227	64.9	32.1	96.5





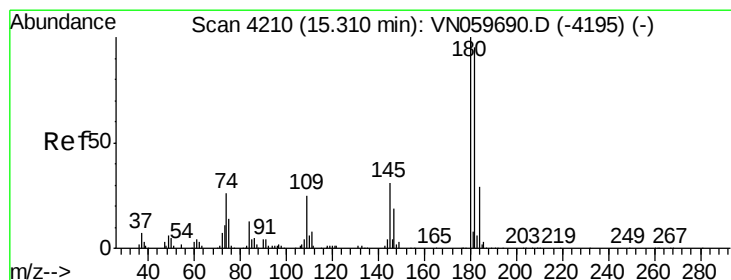
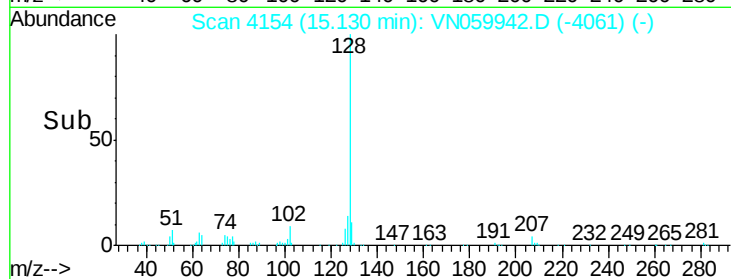
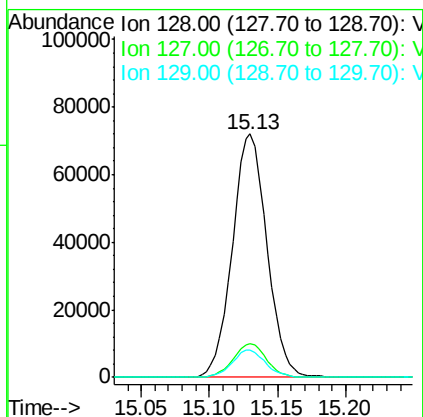
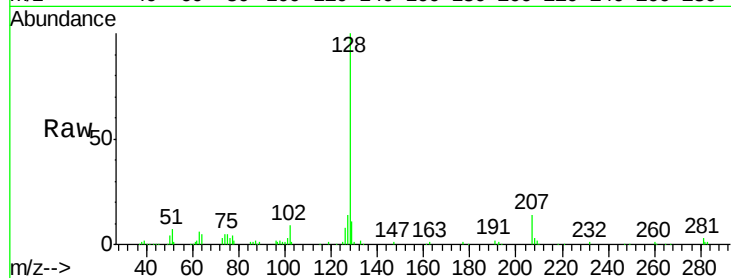
#95
Naphthalene
Concen: 19.591 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Instrument :
MSVOA_N
ClientSampleId :
VN0131WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.310 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059942.D
Acq: 31 Jan 2020 13:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.6	47.4	142.3
145	33.5	16.3	48.9

