

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020620\
 Data File : VN060015.D
 Acq On : 6 Feb 2020 16:46
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 1:44:42 PM

Quant Time: Feb 06 18:15:46 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	188214	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	291202	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	273564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	139660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	106714	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
35) Dibromofluoromethane	7.56	113	88837	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.08	98	333539	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	129576	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	88611	39.826	ug/l	98
3) Chloromethane	2.04	50	89508	41.539	ug/l	99
4) Vinyl Chloride	2.17	62	115247	46.744	ug/l	98
5) Bromomethane	2.53	94	75601	50.246	ug/l	100
6) Chloroethane	2.68	64	56232	48.209	ug/l	100
7) Trichlorofluoromethane	3.00	101	142749	48.212	ug/l	99
8) Diethyl Ether	3.38	74	51864	49.912	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.73	101	85801	52.066	ug/l	95
10) Methyl Iodide	3.92	142	111333	41.796	ug/l	97
11) Tert butyl alcohol	4.72	59	75779	215.362	ug/l	99
12) 1,1-Dichloroethene	3.72	96	79422	46.123	ug/l	89
13) Acrolein	3.57	56	52573	211.069	ug/l	97
14) Allyl chloride	4.29	41	113298	48.814	ug/l #	83
15) Acrylonitrile	4.94	53	202418	252.191	ug/l	99
16) Acetone	3.78	43	173546	243.165	ug/l	96
17) Carbon Disulfide	4.03	76	184089	37.529	ug/l	100
18) Methyl Acetate	4.28	43	126080	51.641	ug/l	93
19) Methyl tert-butyl Ether	5.00	73	292845	52.160	ug/l	97
20) Methylene Chloride	4.52	84	93667	49.520	ug/l	88
21) trans-1,2-Dichloroethene	5.00	96	85988	46.977	ug/l	91
22) Diisopropyl ether	5.91	45	280228	53.277	ug/l	95
23) Vinyl Acetate	5.85	43	1055964	259.299	ug/l #	95
24) 1,1-Dichloroethane	5.81	63	165487	51.491	ug/l	98
25) 2-Butanone	6.79	43	264774	223.693	ug/l	94
26) 2,2-Dichloropropane	6.79	77	159906	51.754	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	106877	50.766	ug/l	90
28) Bromochloromethane	7.16	49	61354	47.764	ug/l #	80
29) Tetrahydrofuran	7.18	42	169839	231.911	ug/l	89
30) Chloroform	7.34	83	177528	53.312	ug/l	99
31) Cyclohexane	7.63	56	133535	43.180	ug/l	91
32) 1,1,1-Trichloroethane	7.54	97	160865	52.247	ug/l	96
36) 1,1-Dichloropropene	7.77	75	124081	48.930	ug/l	95
37) Ethyl Acetate	6.89	43	112870	47.455	ug/l	97
38) Carbon Tetrachloride	7.75	117	140622	50.977	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	149178	47.709	ug/l	93
40) Benzene	8.02	78	374394	49.504	ug/l	99
41) Methacrylonitrile	7.14	41	48468	41.372	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	139221	54.293	ug/l	97
43) Isopropyl Acetate	8.14	43	201081	49.152	ug/l	95
44) Trichloroethene	8.81	130	104359	50.547	ug/l	93
45) 1,2-Dichloropropane	9.10	63	100799	53.861	ug/l	99
46) Dibromomethane	9.19	93	69534	52.672	ug/l	93
47) Bromodichloromethane	9.38	83	145580	54.723	ug/l	99
48) Methyl methacrylate	9.18	41	89765	49.054	ug/l	91
49) 1,4-Dioxane	9.18	88	33827	1009.792	ug/l	92
51) 4-Methyl-2-Pentanone	9.97	43	583275	246.639	ug/l	96
52) Toluene	10.14	92	249032	52.130	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	163247	54.957	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	171386	54.835	ug/l	95
55) 1,1,2-Trichloroethane	10.55	97	101654	53.728	ug/l	97
56) Ethyl methacrylate	10.42	69	146295	50.603	ug/l	94
57) 1,3-Dichloropropane	10.70	76	165195	54.995	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	245580	282.023	ug/l	92
59) 2-Hexanone	10.74	43	421476	241.918	ug/l	95
60) Dibromochloromethane	10.89	129	119806	55.606	ug/l	100
61) 1,2-Dibromoethane	10.99	107	104521	52.707	ug/l	99
64) Tetrachloroethene	10.62	164	91348	40.971	ug/l	96
65) Chlorobenzene	11.43	112	277671	51.640	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	110072	52.979	ug/l	99
67) Ethyl Benzene	11.50	91	495171	50.730	ug/l	98
68) m/p-Xylenes	11.62	106	375809	101.925	ug/l	94
69) o-Xylene	11.94	106	183876	50.939	ug/l	96
70) Styrene	11.96	104	308098	51.007	ug/l	97
71) Bromoform	12.12	173	88554	53.210	ug/l #	98
73) Isopropylbenzene	12.25	105	503397	49.148	ug/l	99
74) N-amyl acetate	12.07	43	183796	46.245	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	149802	50.450	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	131715m	56.041	ug/l	
77) Bromobenzene	12.52	156	126691	48.843	ug/l	84
78) n-propylbenzene	12.59	91	572441	49.794	ug/l	97
79) 2-Chlorotoluene	12.67	91	335464	49.051	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	422795	49.082	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	53129	48.544	ug/l	96
82) 4-Chlorotoluene	12.77	91	352207	51.344	ug/l	97
83) tert-Butylbenzene	12.99	119	366483	49.192	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	427093	50.117	ug/l	99
85) sec-Butylbenzene	13.17	105	495976	50.671	ug/l	99
86) p-Isopropyltoluene	13.29	119	455958	50.343	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	228354	50.682	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	227728	50.665	ug/l	97
89) n-Butylbenzene	13.61	91	404308	52.355	ug/l	99
90) Hexachloroethane	13.87	117	88000	51.931	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	222375	49.924	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28847	45.056	ug/l	87

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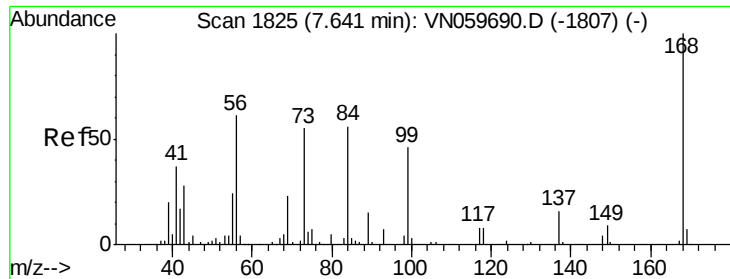
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	136749	51.092	ug/l	99
94) Hexachlorobutadiene	15.01	225	73141	49.590	ug/l	99
95) Naphthalene	15.13	128	351258	46.139	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127983	49.126	ug/l	99

(#) = 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: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 188214

Ion Ratio Lower Upper

168 100

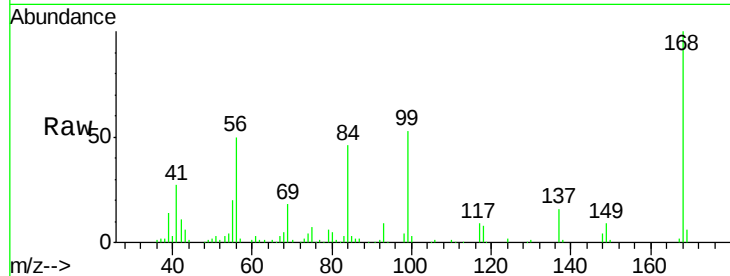
99 52.7 48.2 72.4

Manual Integrations

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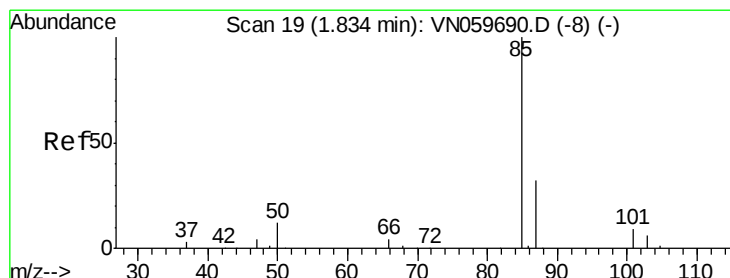
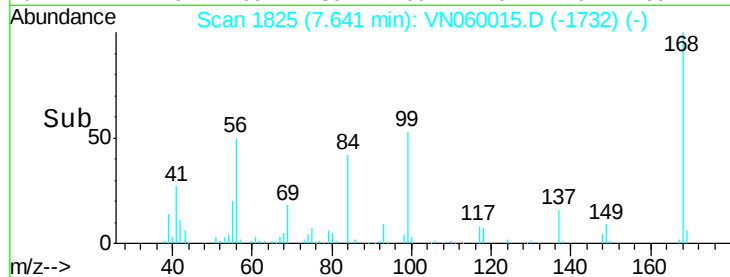
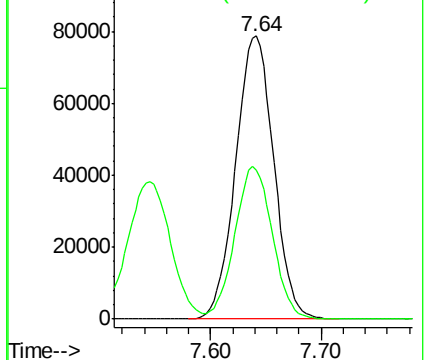
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 39.826 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060015.D

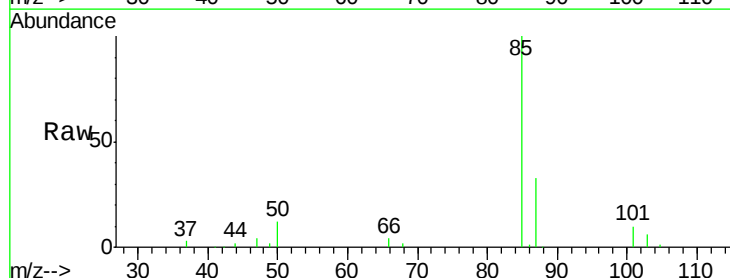
Acq: 6 Feb 2020 16:46

Tgt Ion: 85 Resp: 88611

Ion Ratio Lower Upper

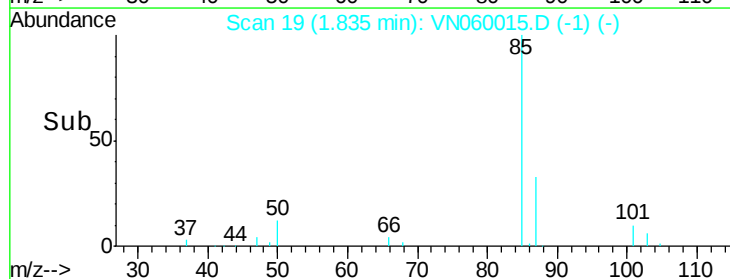
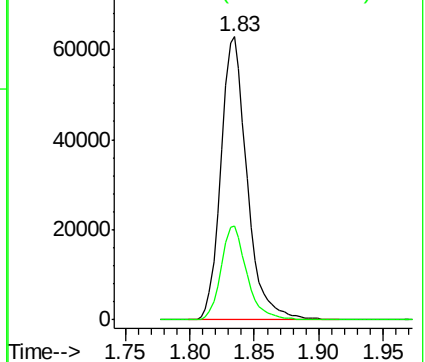
85 100

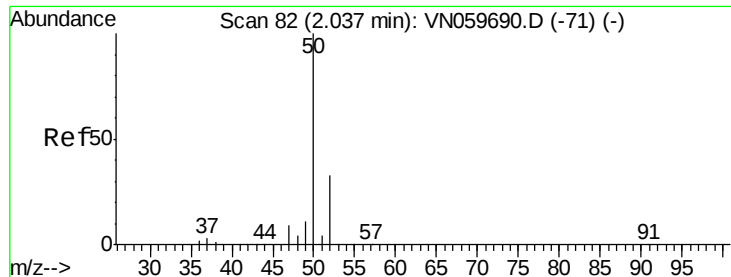
87 33.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 41.539 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 89508

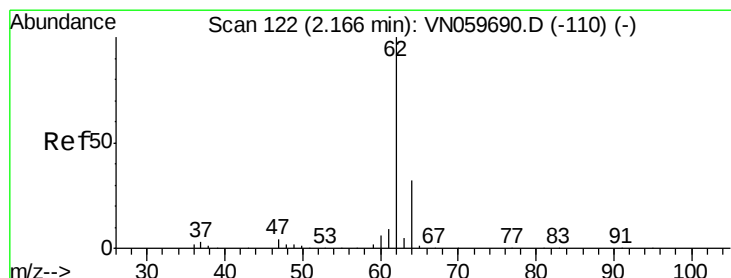
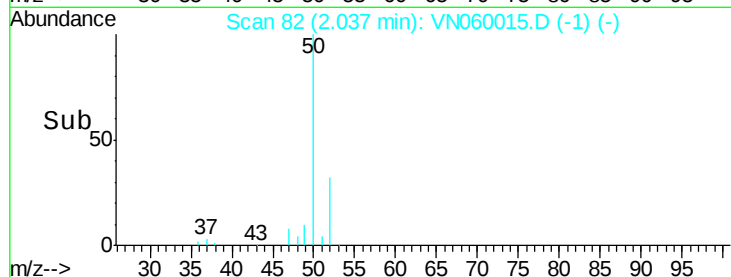
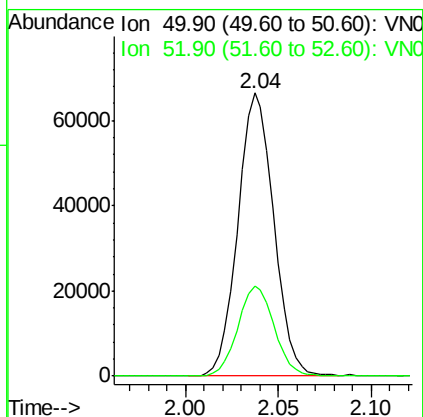
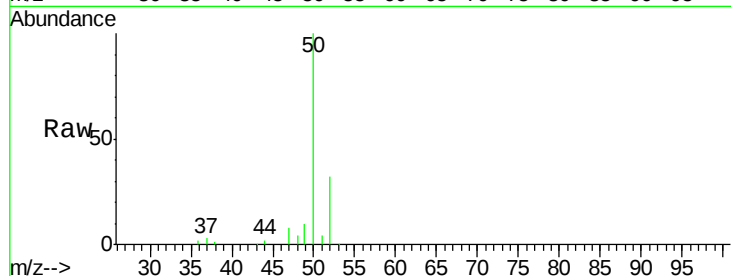
Ion Ratio Lower Upper

50 100

52 31.6 25.9 38.9

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#4

Vinyl Chloride

Concen: 46.744 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060015.D

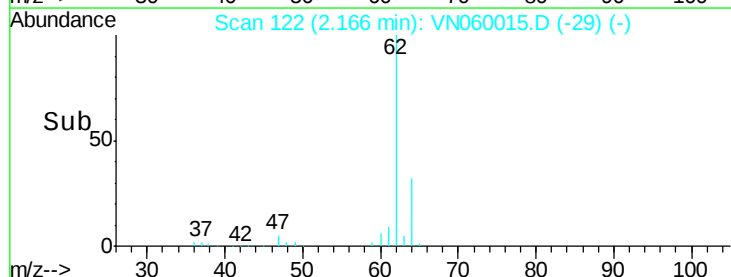
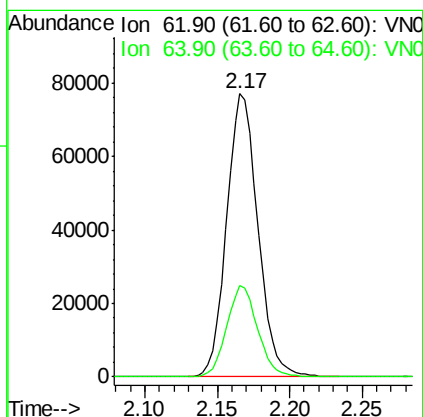
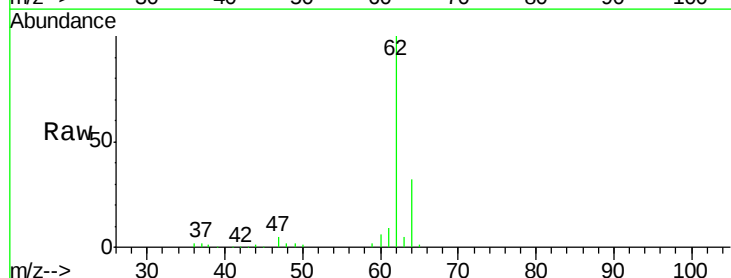
Acq: 6 Feb 2020 16:46

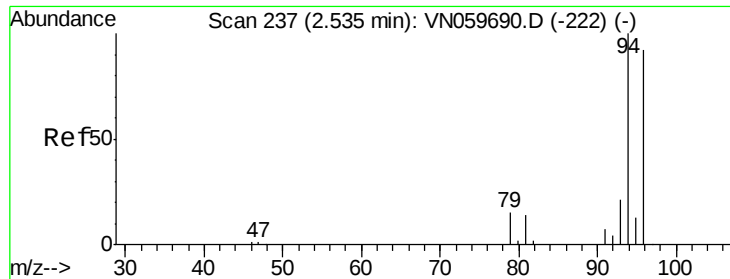
Tgt Ion: 62 Resp: 115247

Ion Ratio Lower Upper

62 100

64 32.1 24.6 37.0





#5

Bromomethane

Concen: 50.246 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 75601

Ion Ratio Lower Upper

94 100

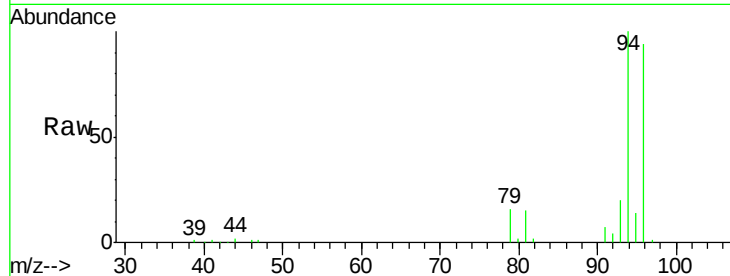
96 93.7 74.7 112.1

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

40000

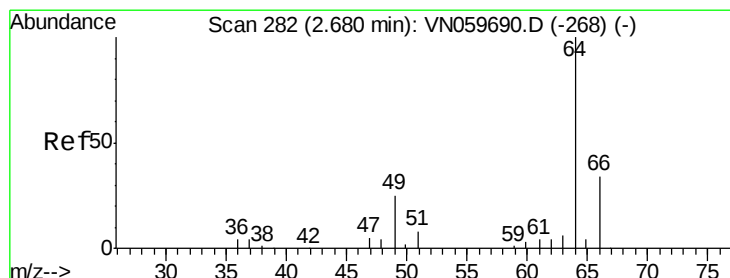
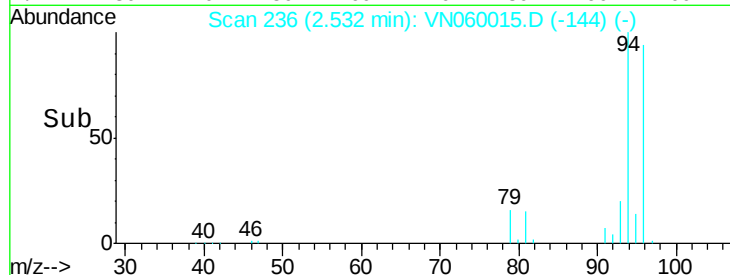
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.209 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN060015.D

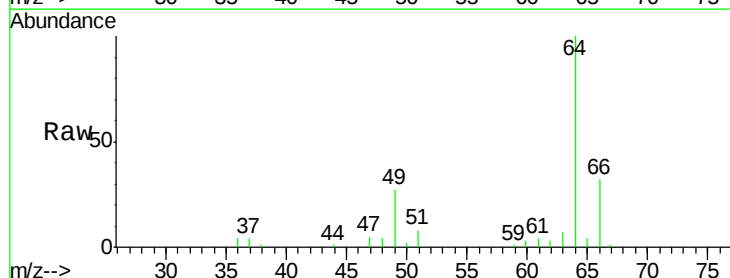
Acq: 6 Feb 2020 16:46

Tgt Ion: 64 Resp: 56232

Ion Ratio Lower Upper

64 100

66 31.6 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

30000

25000

20000

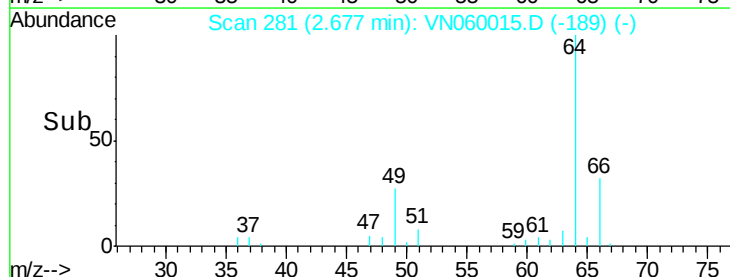
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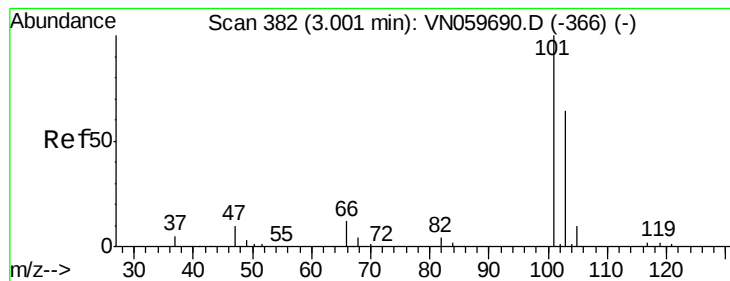
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5000

0

Time-->





#7

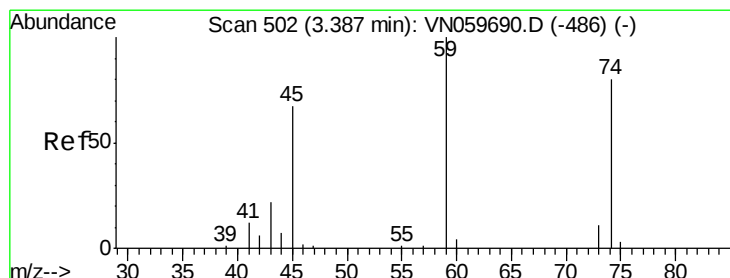
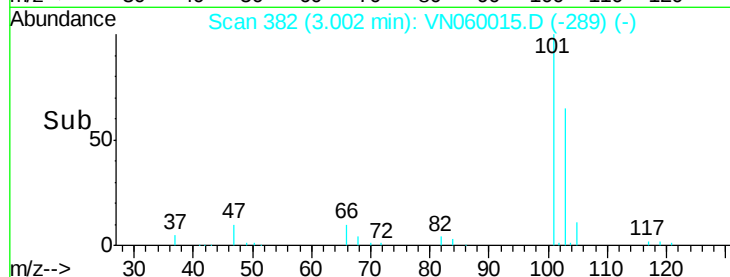
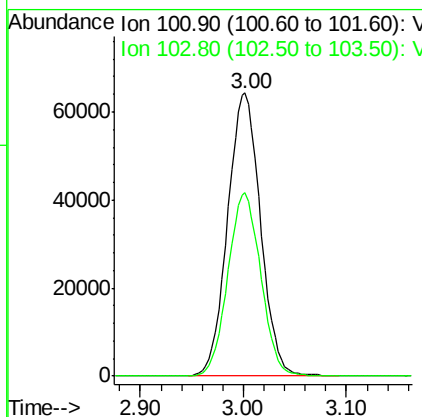
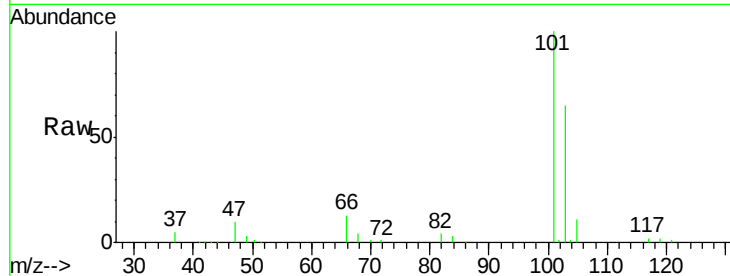
Trichlorofluoromethane
Concen: 48.212 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.0	76.6

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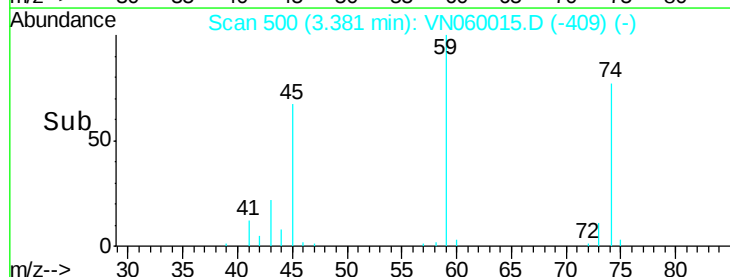
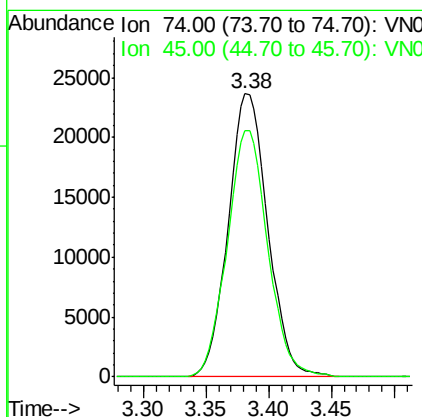
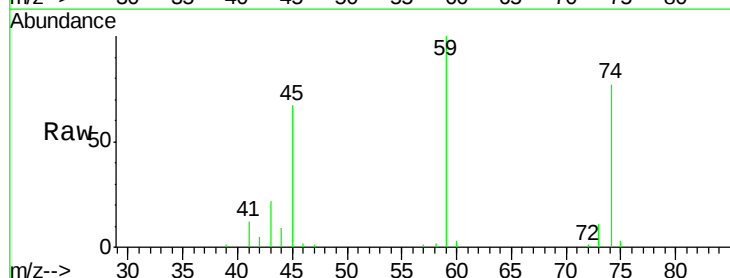
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#8

Diethyl Ether
Concen: 49.912 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.01 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.1	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.066 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.01 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

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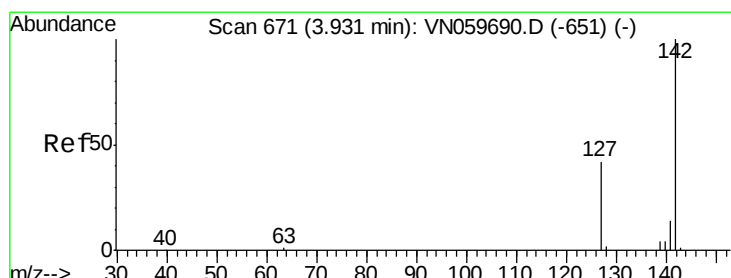
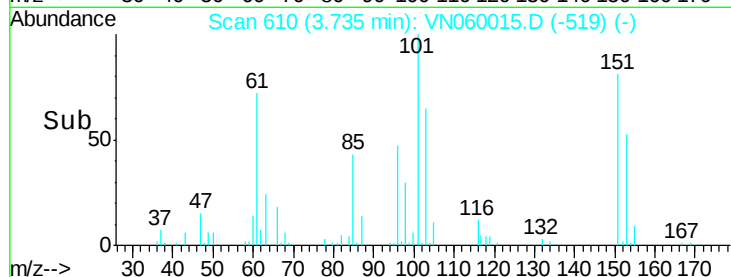
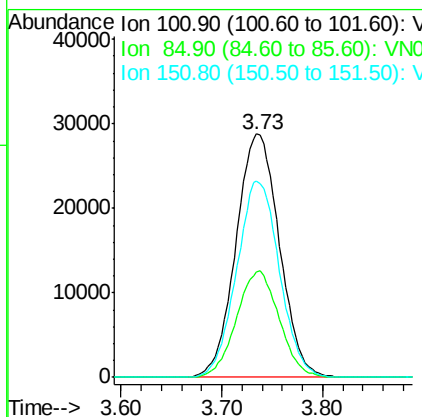
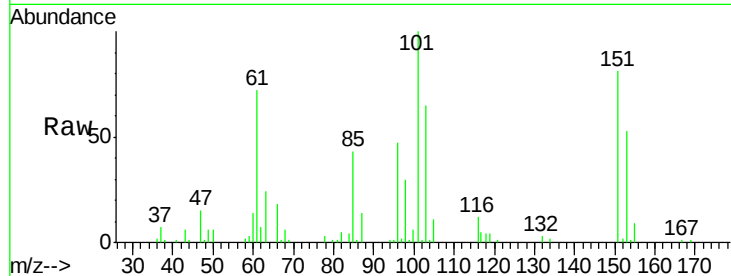
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	85801
Ion Ratio	Lower	Upper	
101	100		
85	42.8	36.6	54.8
151	79.7	59.7	89.5

Manual Integrations
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#10

Methyl Iodide

Concen: 41.796 ug/l

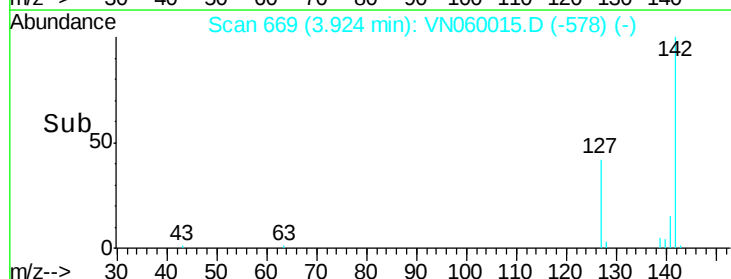
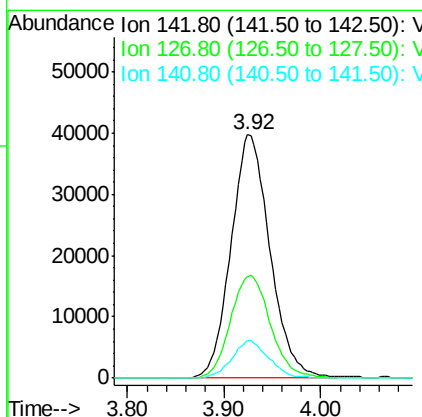
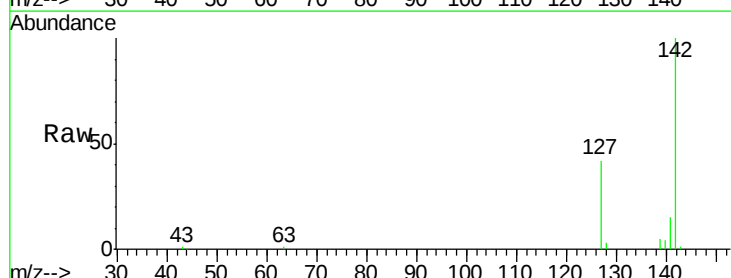
RT: 3.92 min Scan# 669

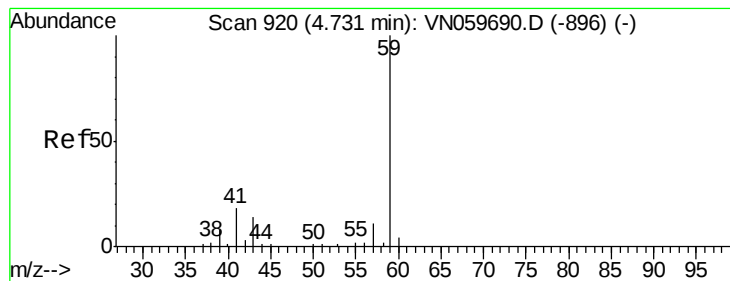
Delta R.T. -0.01 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Tgt Ion:	142	Resp:	111333
Ion Ratio	Lower	Upper	
142	100		
127	43.0	36.7	55.1
141	14.5	11.7	17.5





#11

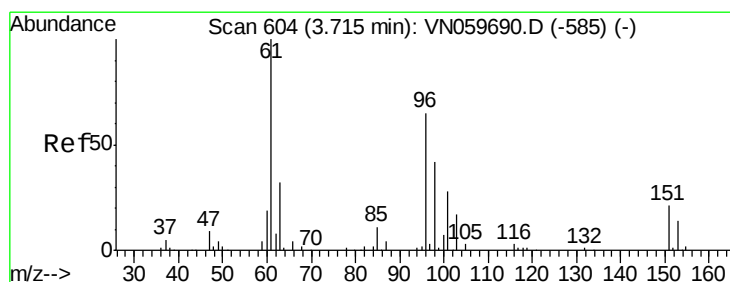
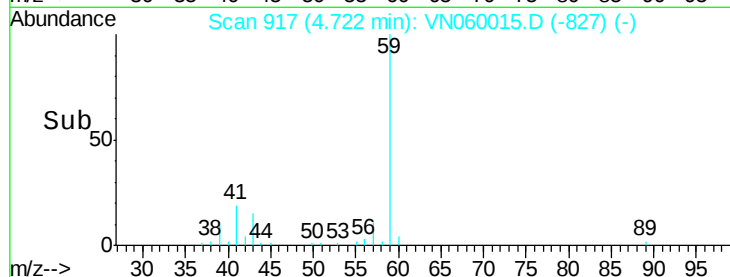
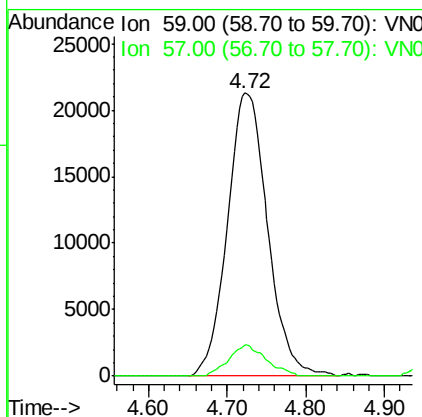
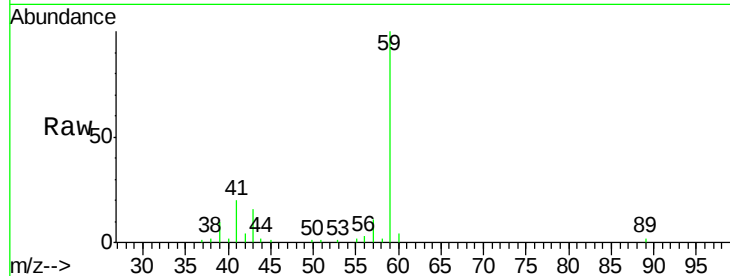
Tert butyl alcohol
 Concen: 215.362 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.01 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.6	12.8

Manual Integrations
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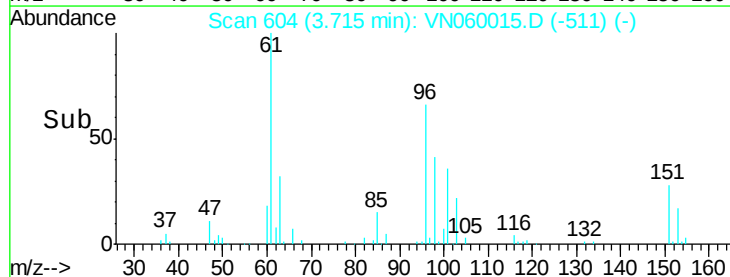
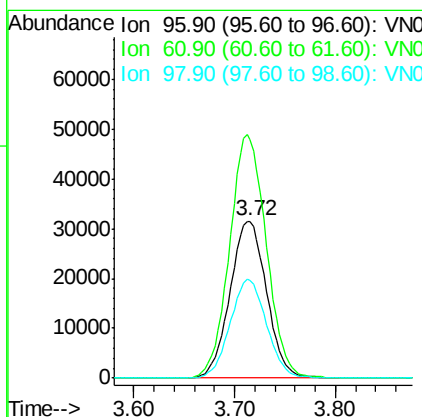
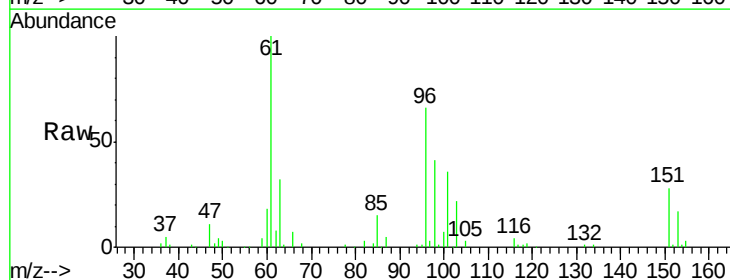
MMDadoda
 2/7/2020 1:44:42 PM



#12

1,1-Dichloroethene
 Concen: 46.123 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.7	137.5	206.3
98	62.0	50.2	75.4





#13

Acrolein

Concen: 211.069 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 52573

Ion Ratio Lower Upper

56 100

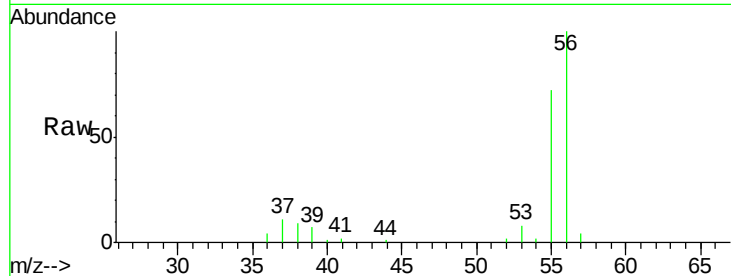
55 70.6 58.6 88.0

Manual Integrations

APPROVED

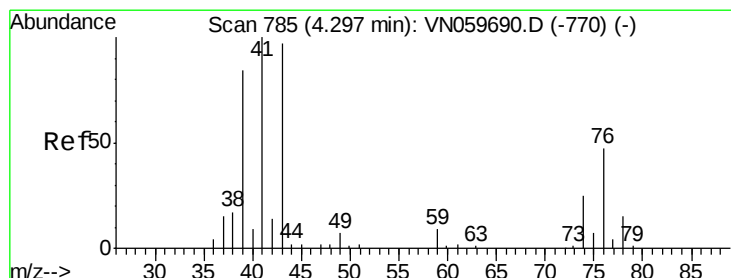
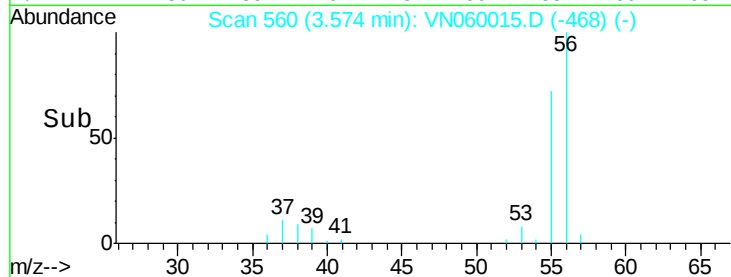
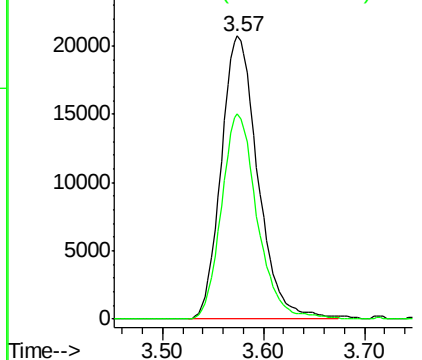
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 48.814 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

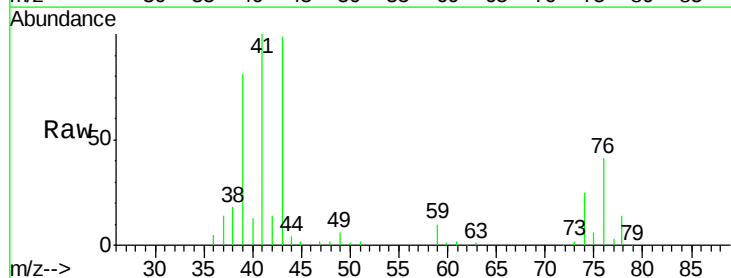
Tgt Ion: 41 Resp: 113298

Ion Ratio Lower Upper

41 100

39 84.7 57.8 86.8

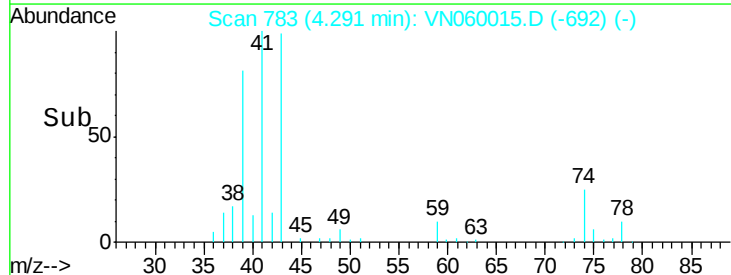
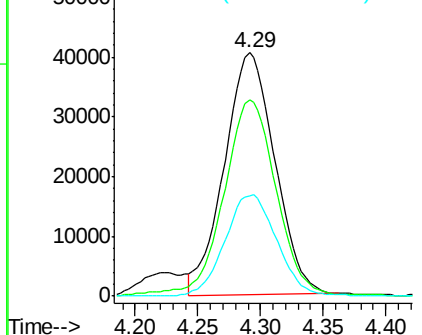
76 43.0 25.4 38.0#

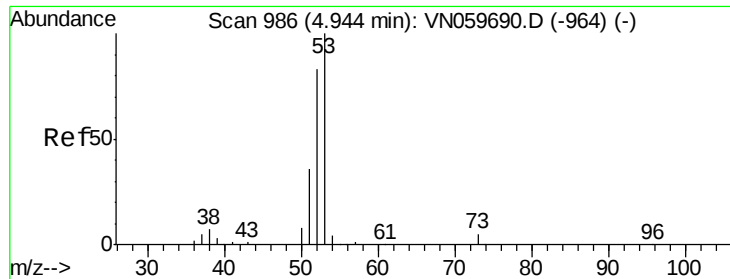


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 252.191 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

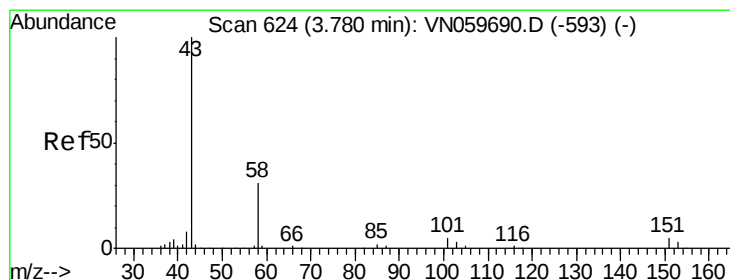
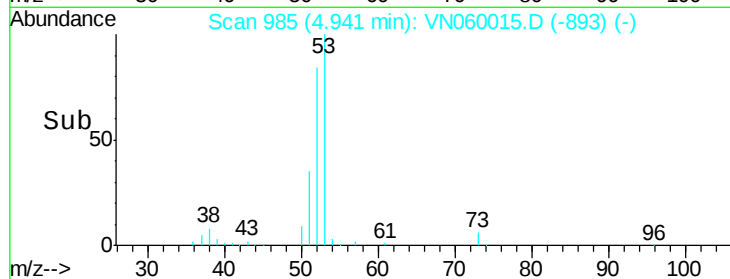
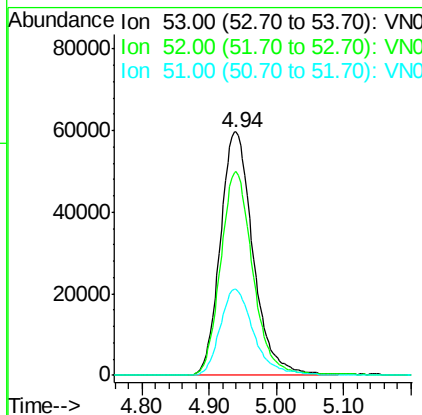
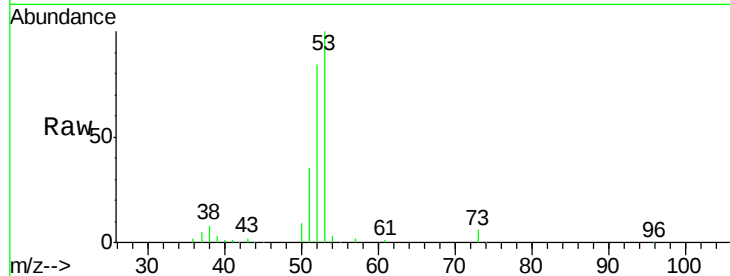
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	202418
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.3	99.5
51	36.2	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 243.165 ug/l

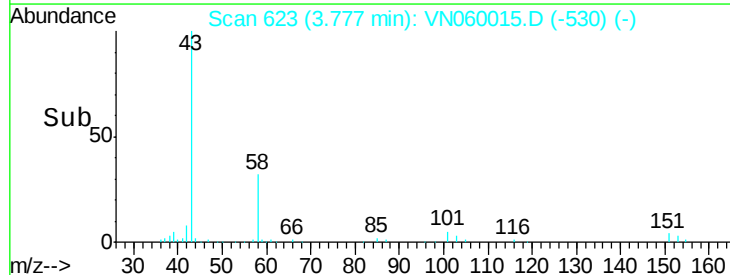
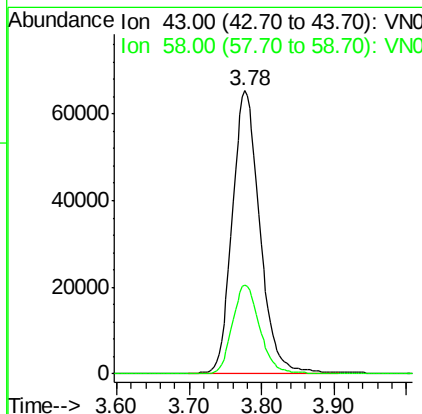
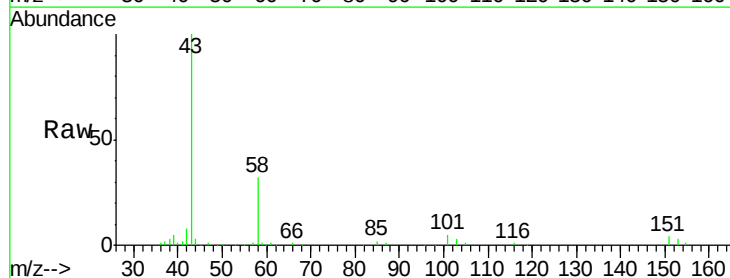
RT: 3.78 min Scan# 623

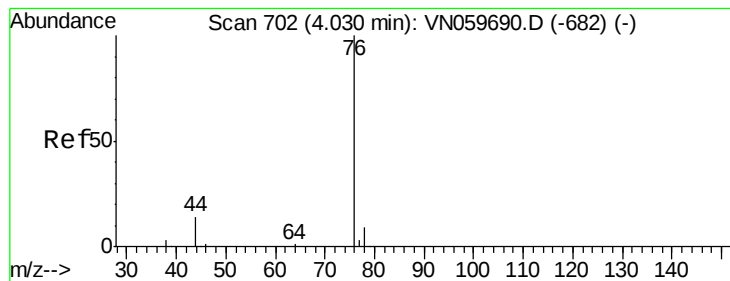
Delta R.T. -0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Tgt Ion:	43	Resp:	173546
Ion Ratio	Lower	Upper	
43	100		
58	31.5	23.6	35.4





#17

Carbon Disulfide

Concen: 37.529 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 184089

Ion Ratio Lower Upper

76 100

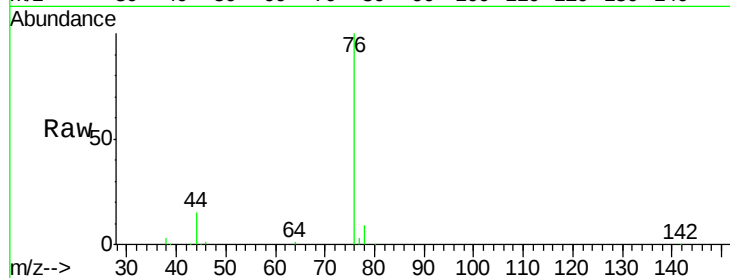
78 9.0 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

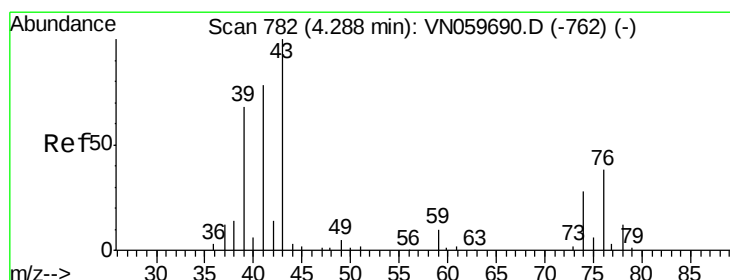
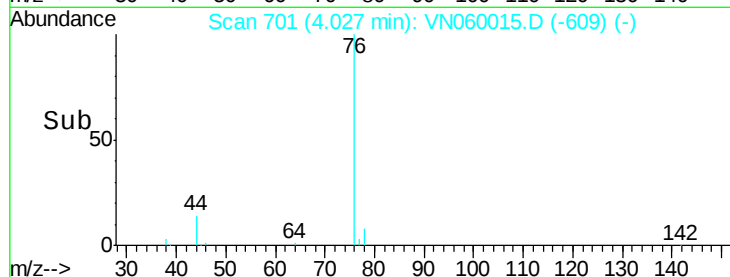
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 51.641 ug/l

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060015.D

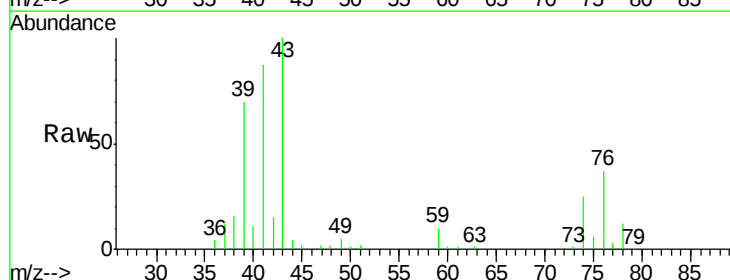
Acq: 6 Feb 2020 16:46

Tgt Ion: 43 Resp: 126080

Ion Ratio Lower Upper

43 100

74 25.3 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

50000

40000

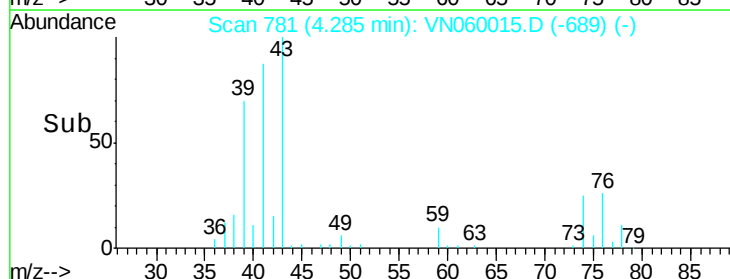
30000

20000

10000

0

Time-->





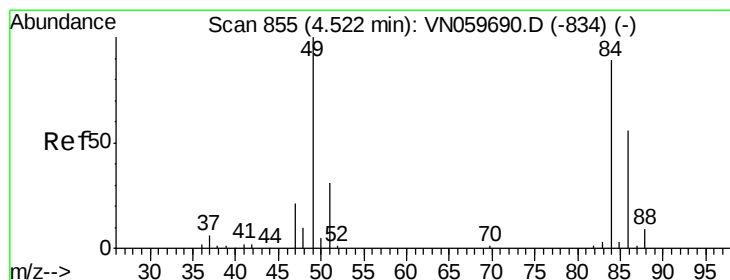
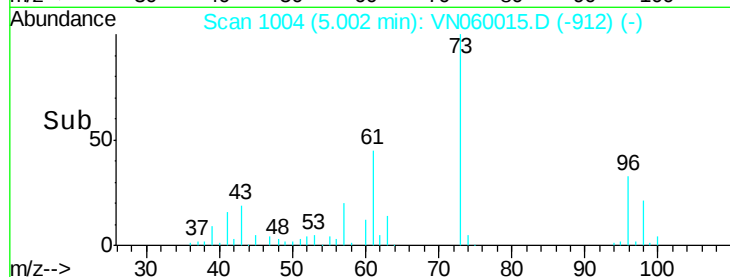
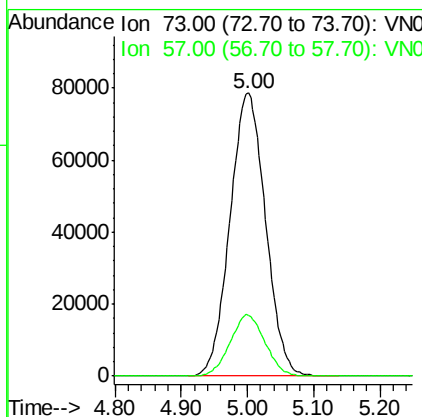
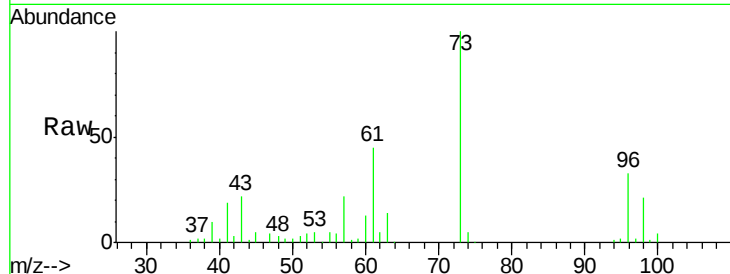
#19
Methvl tert-butvl Ether
Concen: 52.160 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 292845
Ion Ratio Lower Upper
73 100
57 21.6 18.6 27.8

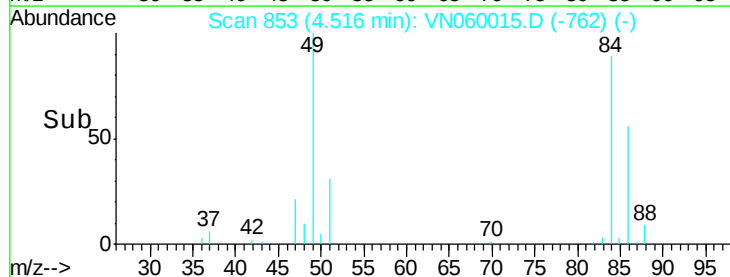
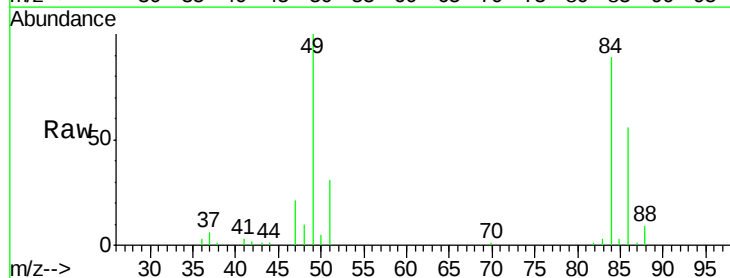
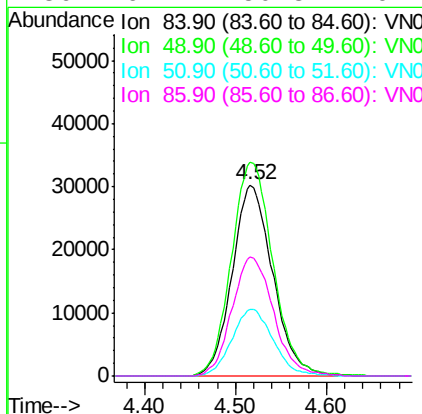
Manual Integrations
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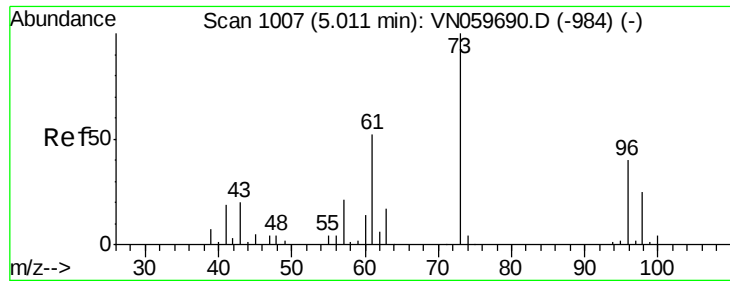
MMDadoda
2/7/2020 1:44:42 PM



#20
Methylene Chloride
Concen: 49.520 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion: 84 Resp: 93667
Ion Ratio Lower Upper
84 100
49 111.9 106.6 160.0
51 35.2 31.9 47.9
86 62.1 50.8 76.2





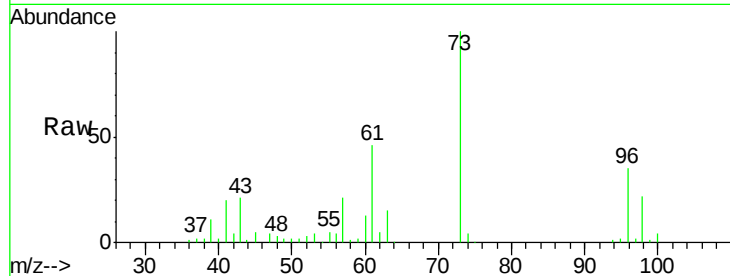
#21
trans-1,2-Dichloroethene
Concen: 46.977 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.9	120.4	180.6
98	63.0	50.6	75.8

Manual Integrations
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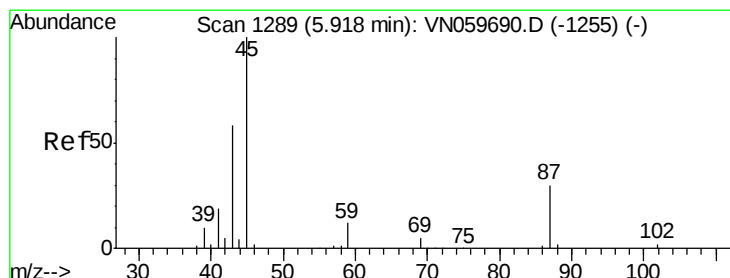
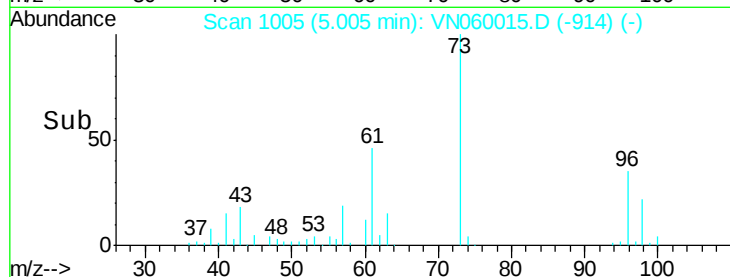
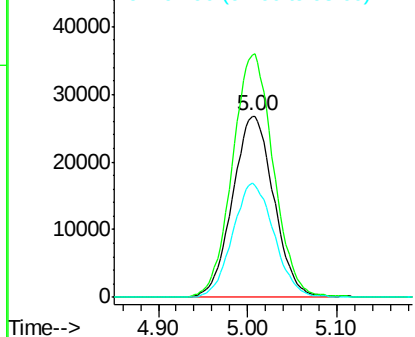


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 53.277 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.6	50.8	76.2
87	31.4	21.0	31.6
59	12.7	9.1	13.7

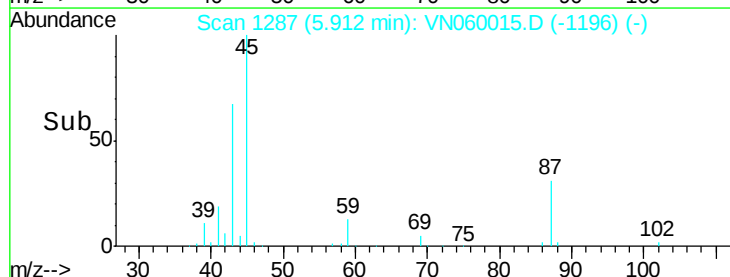
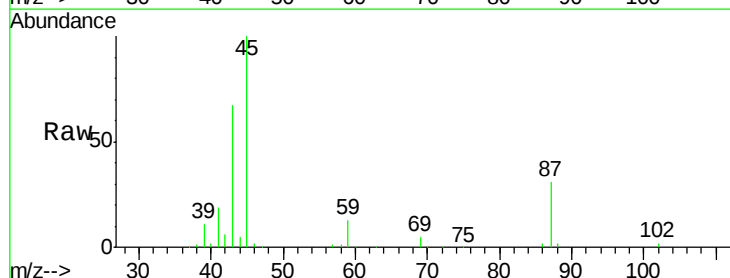
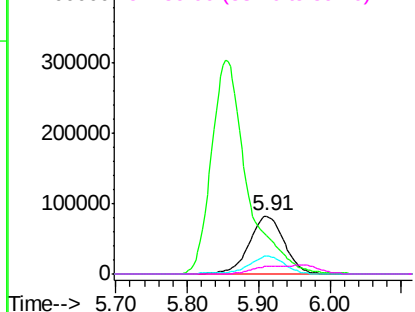
Abundance

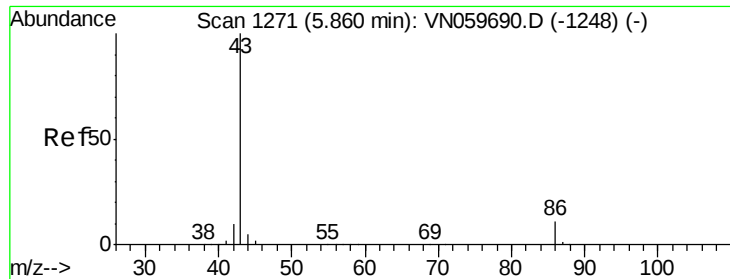
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





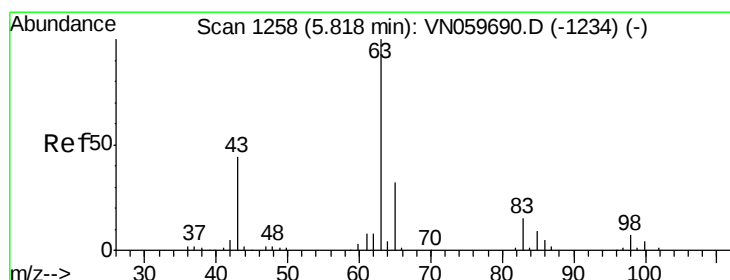
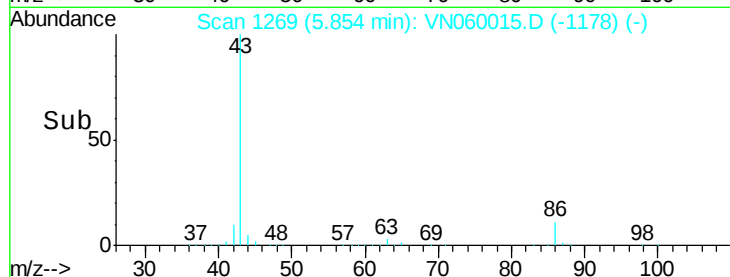
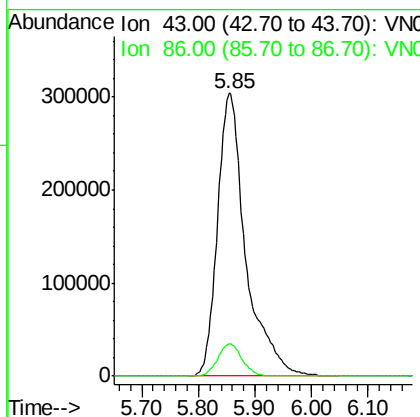
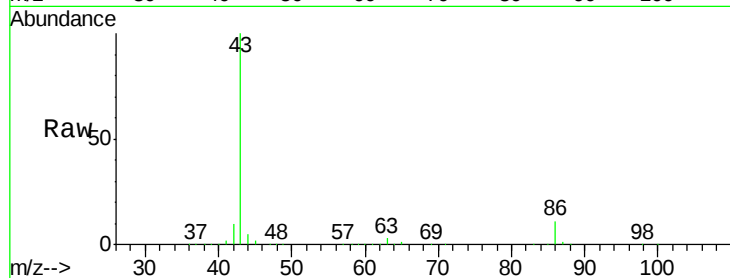
#23
 Vinyl Acetate
 Concen: 259.299 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1055964
 Ion Ratio Lower Upper
 43 100
 86 11.5 7.6 11.4#

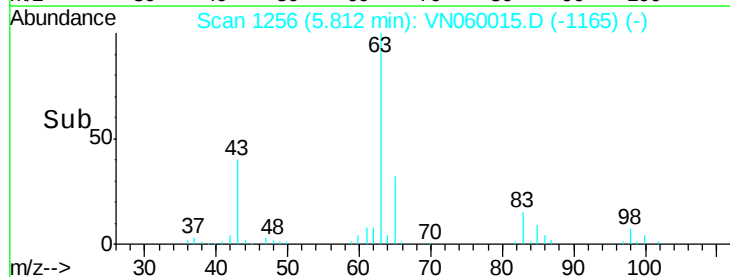
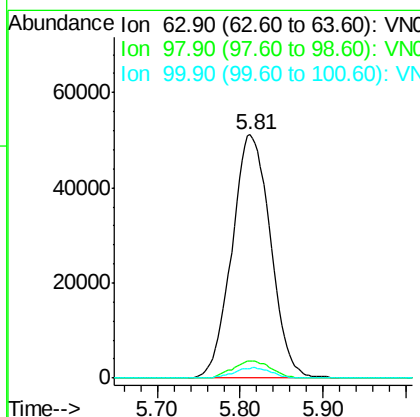
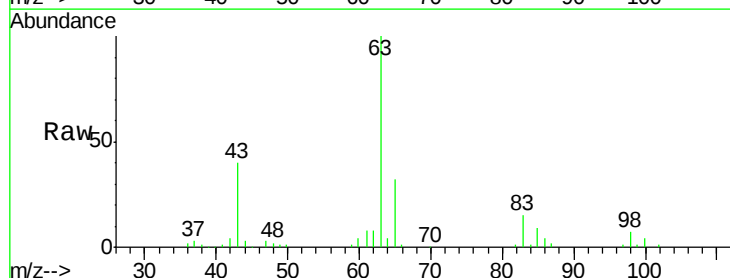
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 51.491 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Tgt Ion: 63 Resp: 165487
 Ion Ratio Lower Upper
 63 100
 98 7.1 2.9 8.7
 100 4.1 2.0 6.0





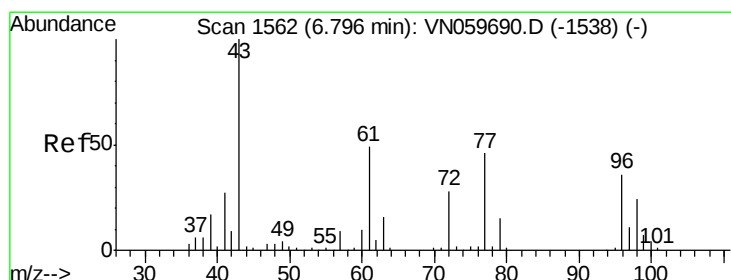
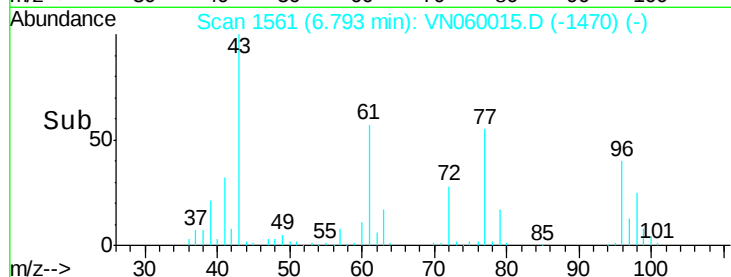
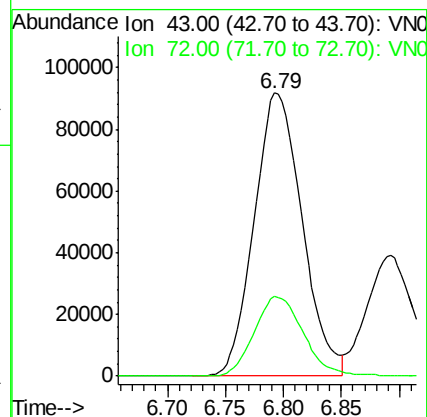
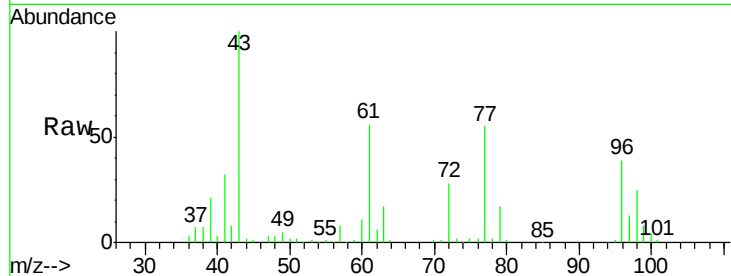
#25
2-Butanone
Concen: 223.693 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 264774
Ion Ratio Lower Upper
43 100
72 28.1 19.9 29.9

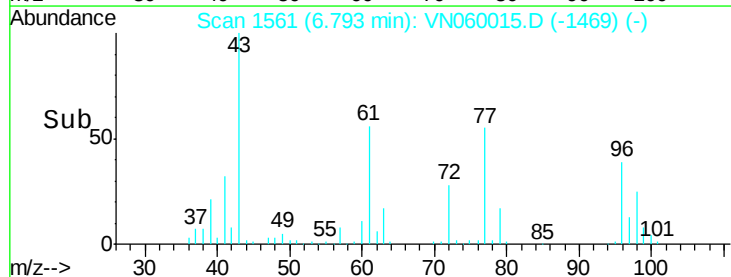
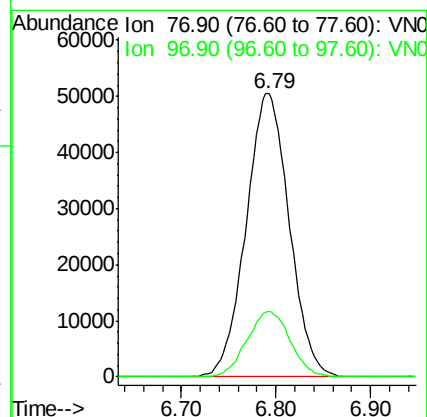
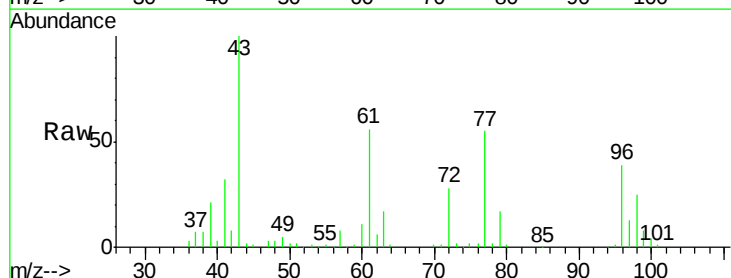
Manual Integrations
APPROVED

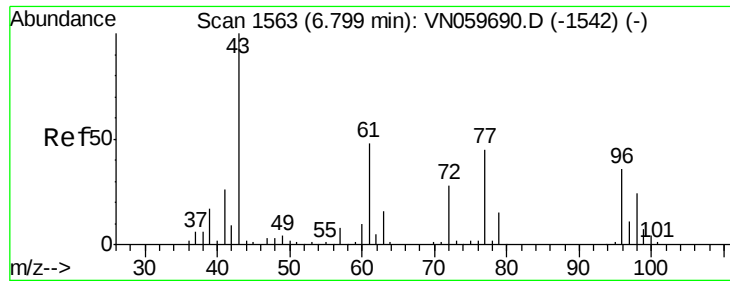
MMDadoda
2/7/2020 1:44:42 PM



#26
2,2-Dichloropropane
Concen: 51.754 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion: 77 Resp: 159906
Ion Ratio Lower Upper
77 100
97 23.1 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 50.766 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

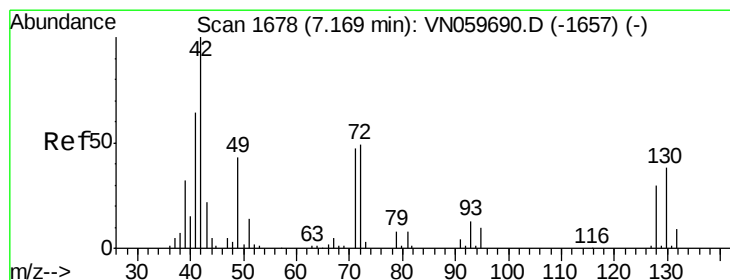
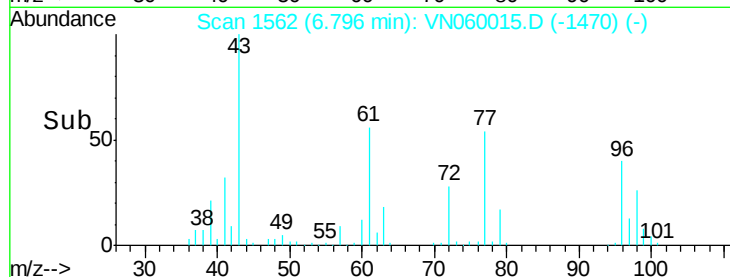
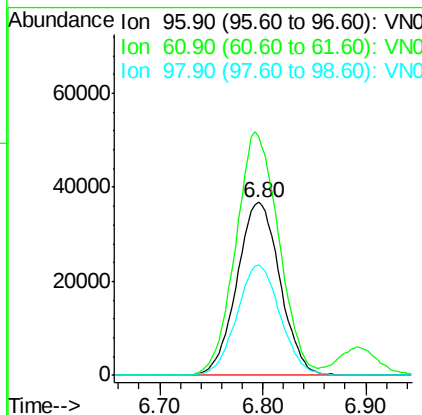
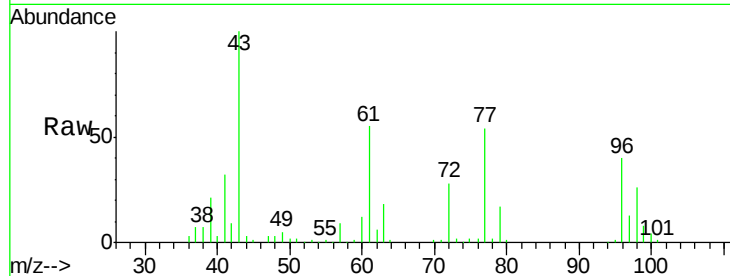
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	106877
Ion Ratio	Lower	Upper	
96	100		
61	140.8	0.0	317.6
98	64.3	0.0	127.0

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#28

Bromochloromethane

Concen: 47.764 ug/l

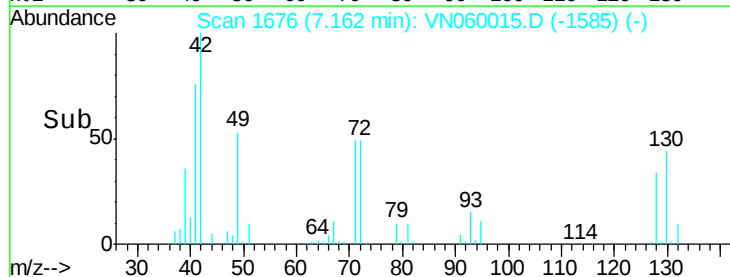
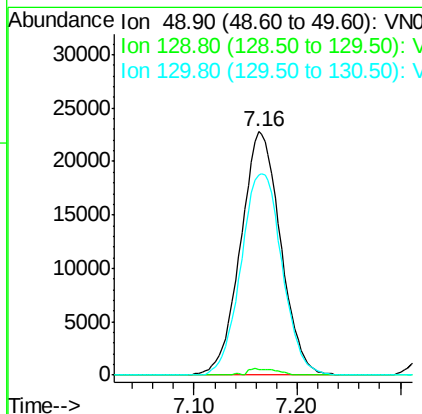
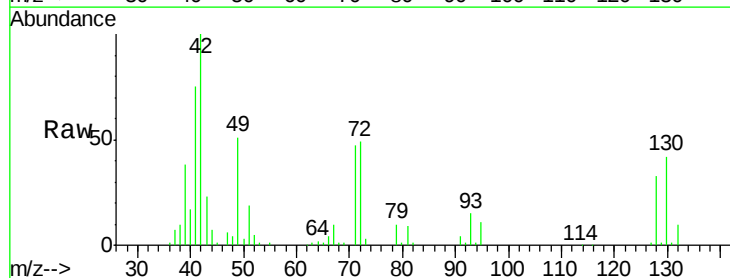
RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Tgt Ion:	49	Resp:	61354
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	3.4
130	85.1	54.7	82.1#





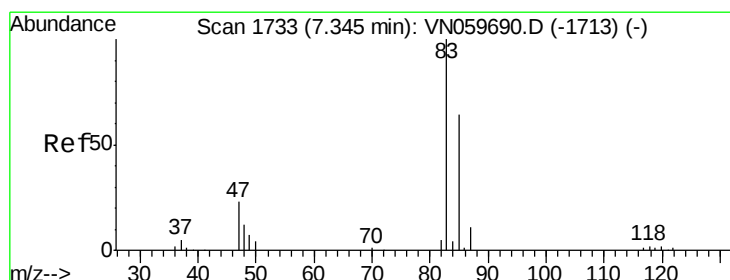
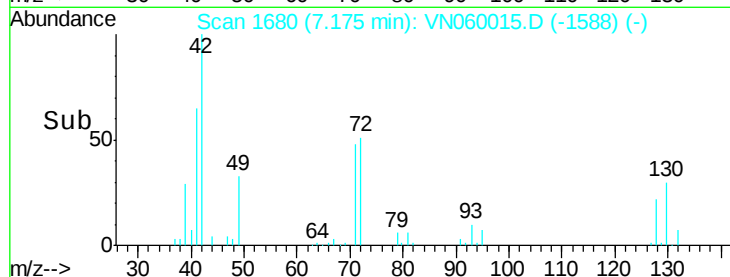
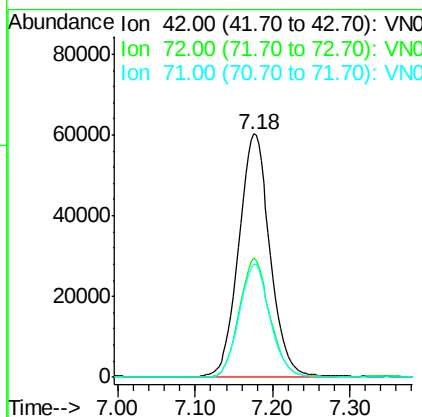
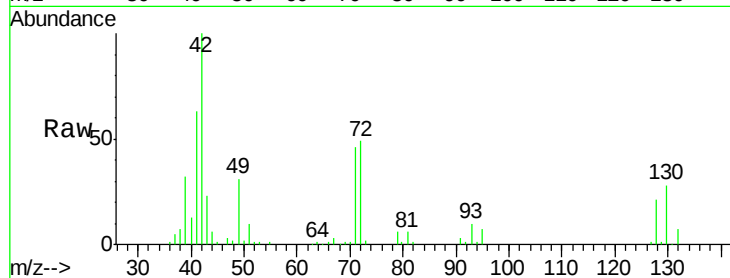
#29
Tetrahydrofuran
Concen: 231.911 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	33.1	49.7
71	46.0	31.4	47.0

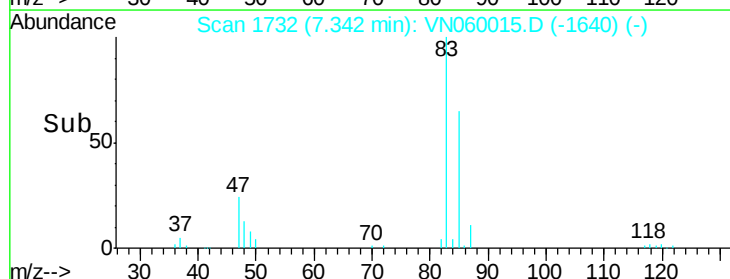
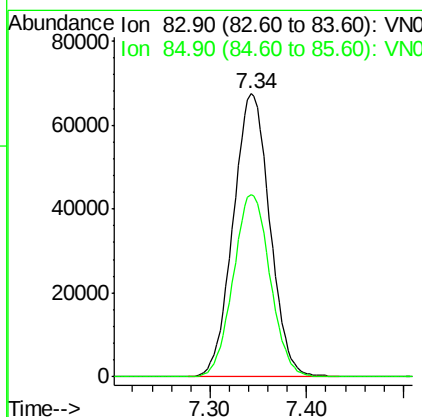
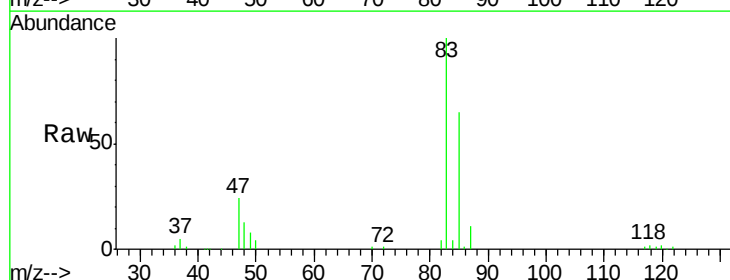
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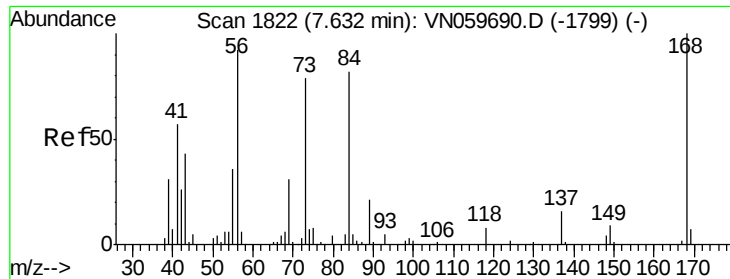
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2/7/2020 1:44:42 PM



#30
Chloroform
Concen: 53.312 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6





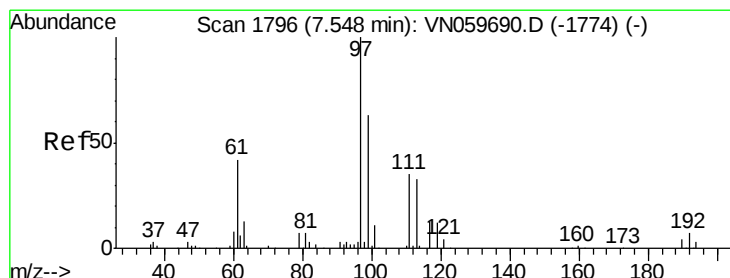
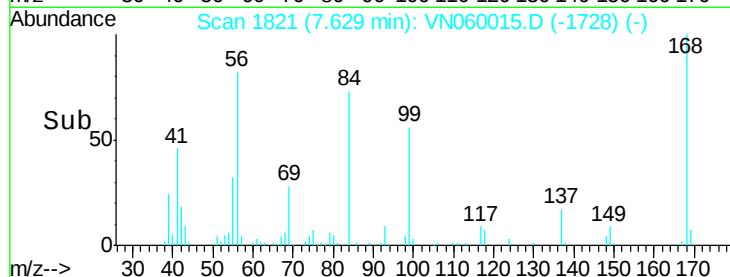
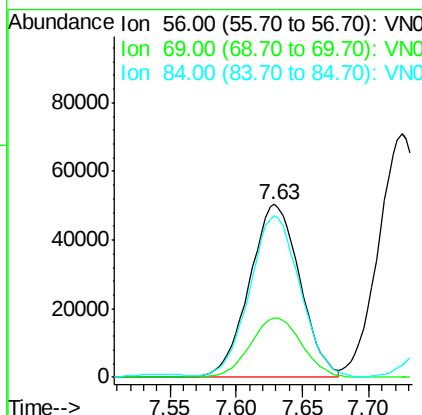
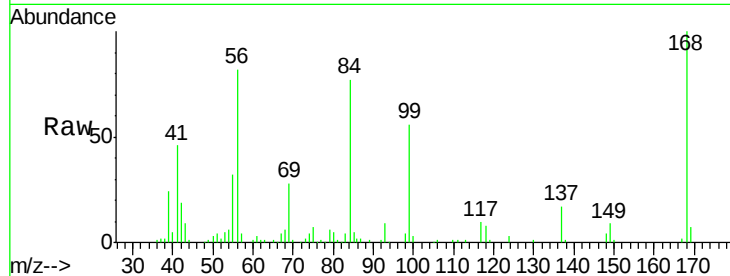
#31
Cyclohexane
Concen: 43.180 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	26.5	39.7
84	92.4	65.3	97.9

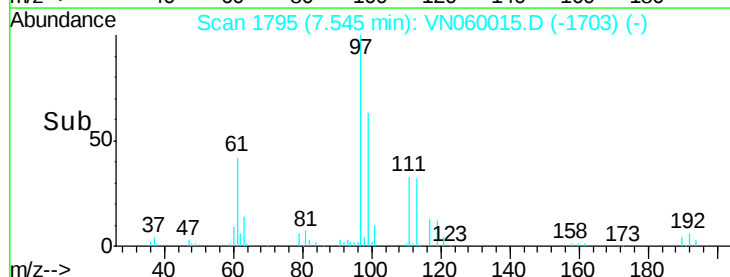
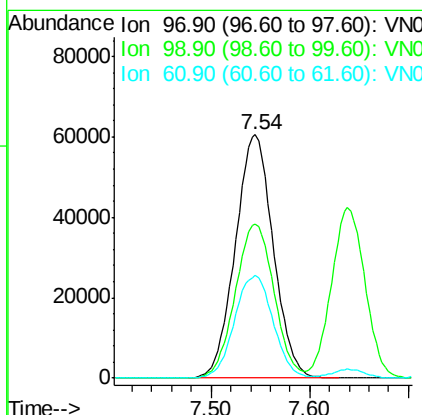
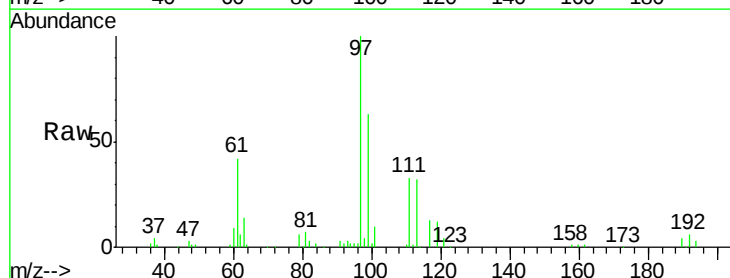
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#32
1,1,1-Trichloroethane
Concen: 52.247 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.0	76.4
61	43.0	38.5	57.7





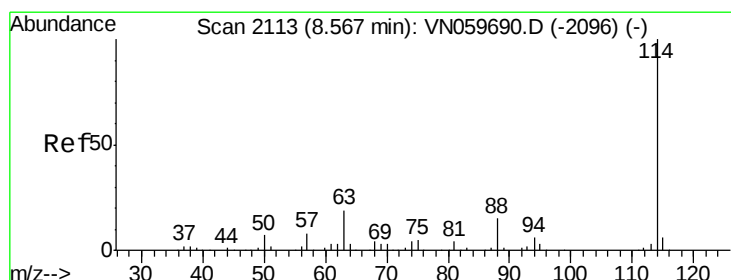
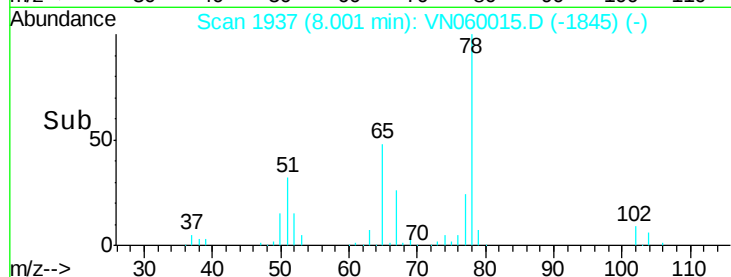
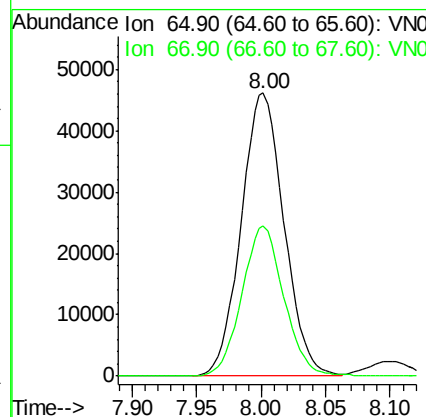
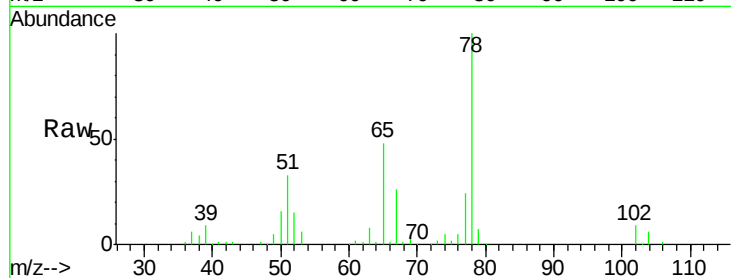
#33
 1,2-Dichloroethane-d4
 Concen: 51.055 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	106714		
67	52.0	0.0	103.0	

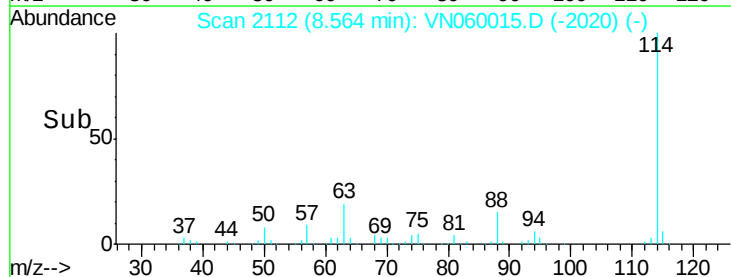
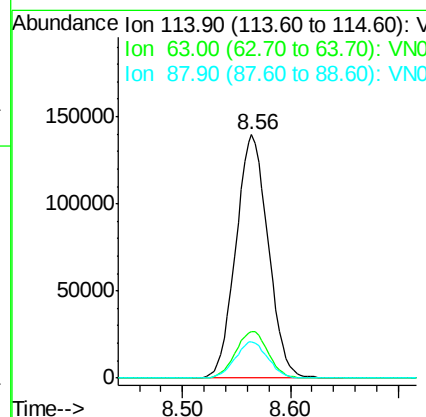
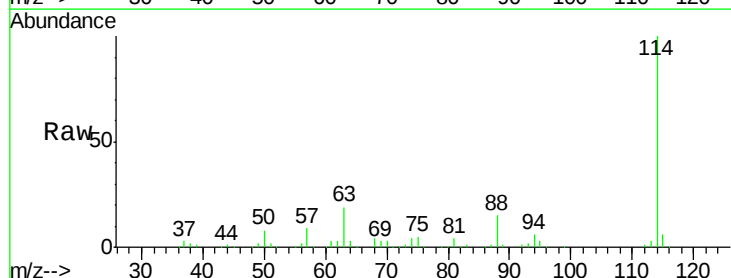
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	291202		
63	19.1	0.0	43.6	
88	15.1	0.0	31.4	





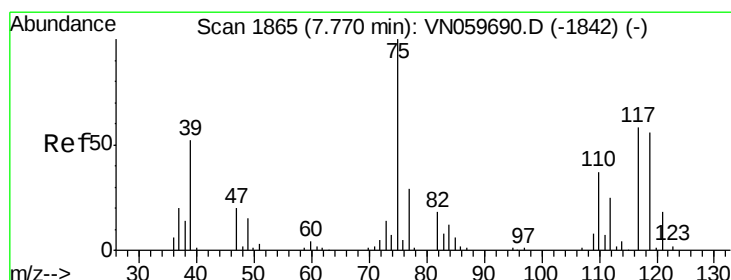
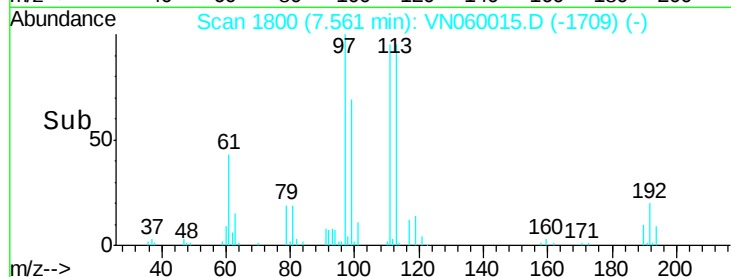
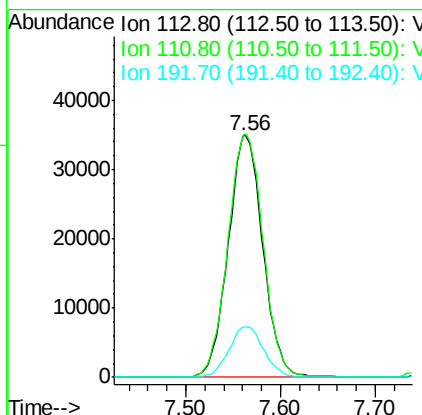
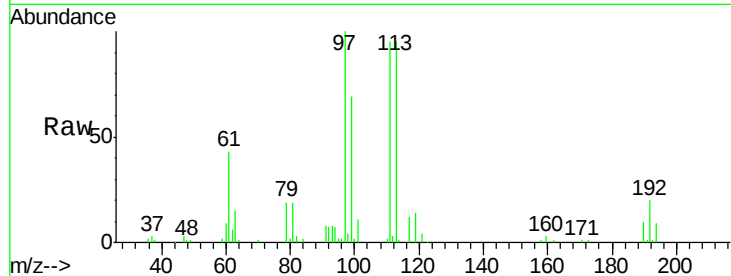
#35
Dibromofluoromethane
Concen: 51.157 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.01 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	88837		
111	102.6		83.5	125.3
192	21.0		15.4	23.2

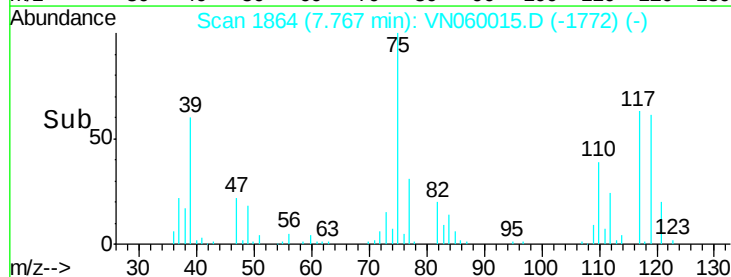
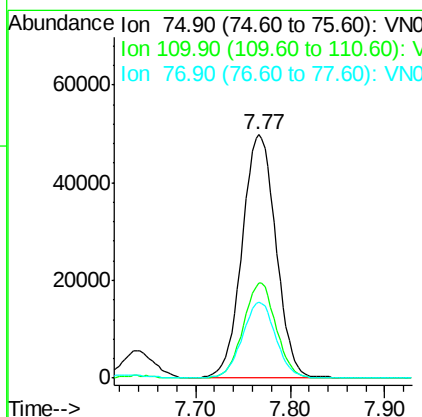
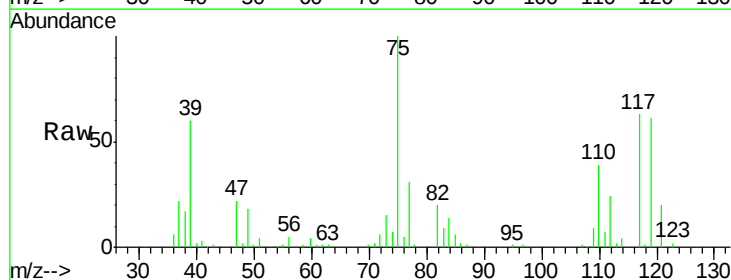
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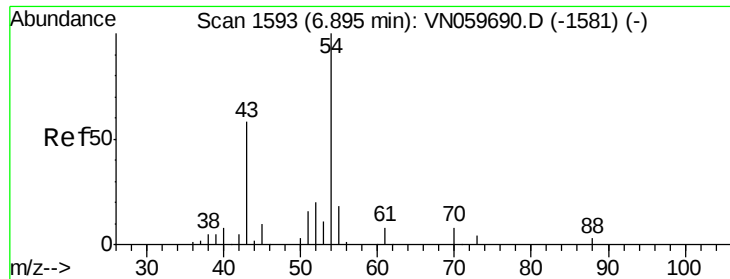
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#36
1,1-Dichloropropene
Concen: 48.930 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	124081		
110	37.6		16.6	49.7
77	30.7		25.1	37.7





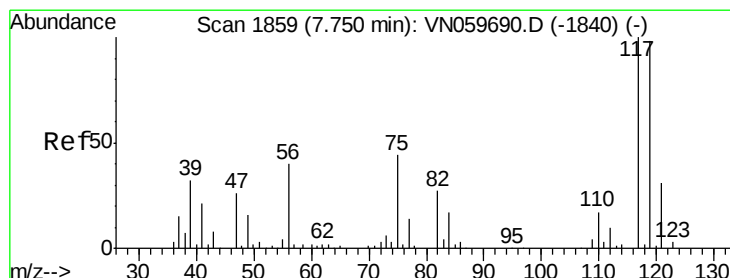
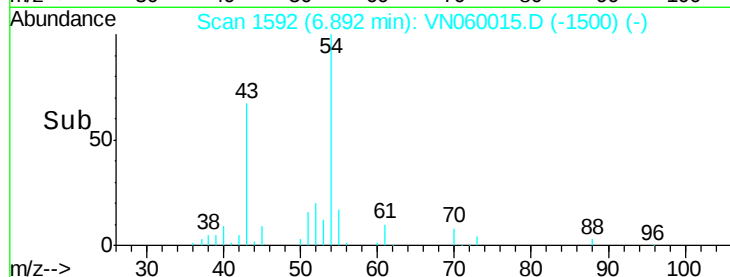
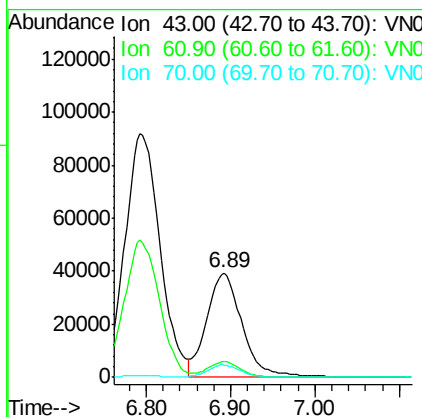
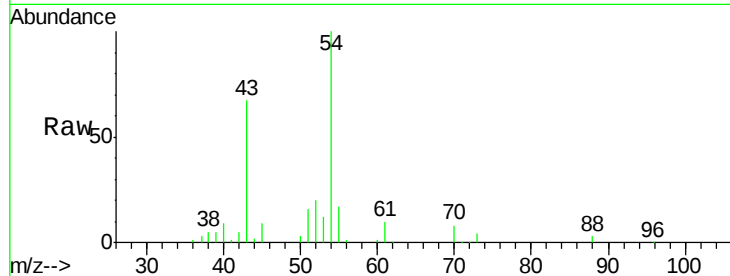
#37
Ethyl Acetate
Concen: 47.455 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.9	16.3
70	11.1	7.7	11.5

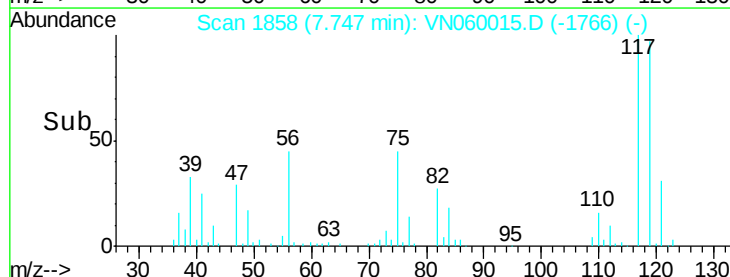
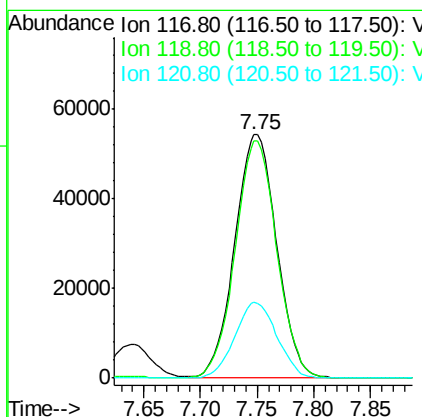
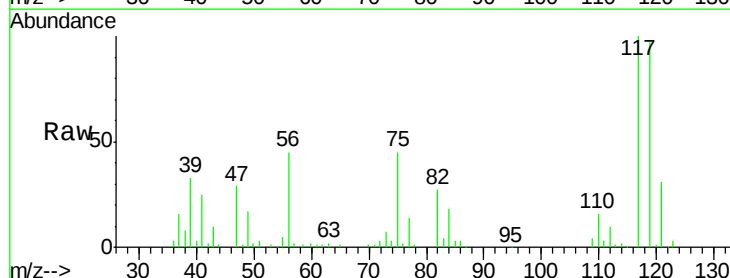
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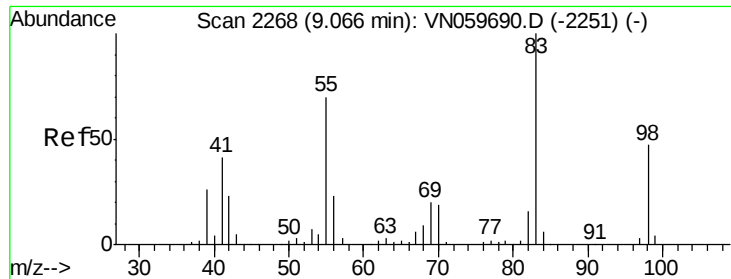
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#38
Carbon Tetrachloride
Concen: 50.977 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.5	114.7
121	31.3	25.1	37.7





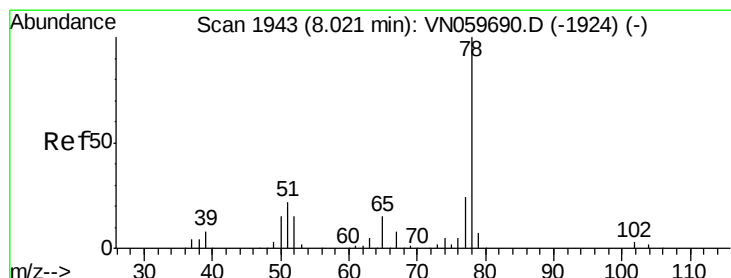
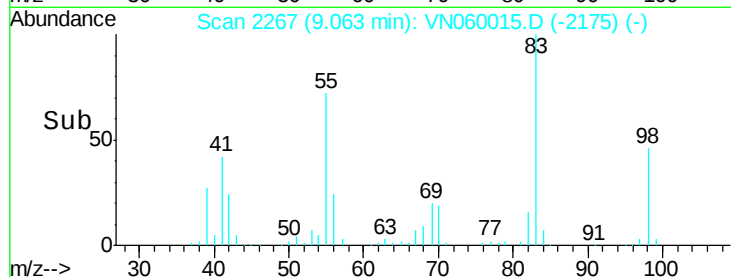
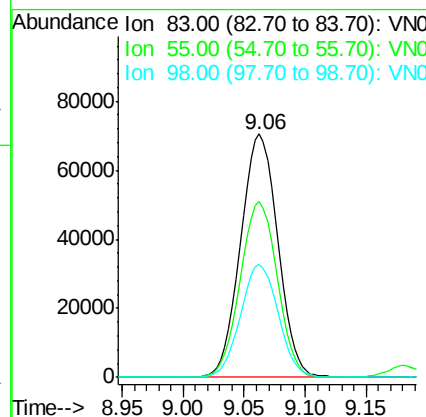
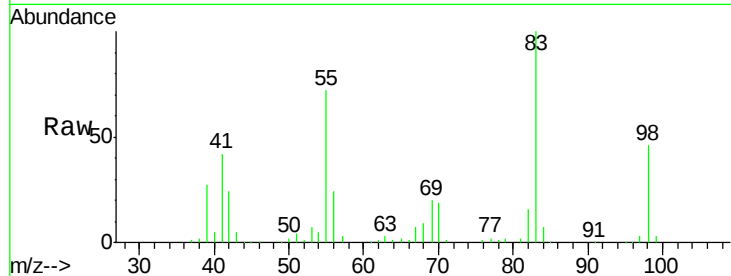
#39
Methylvlcyclohexane
Concen: 47.709 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.2	64.2	96.2
98	46.3	35.9	53.9

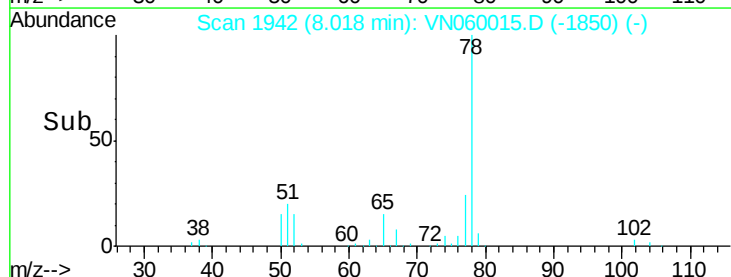
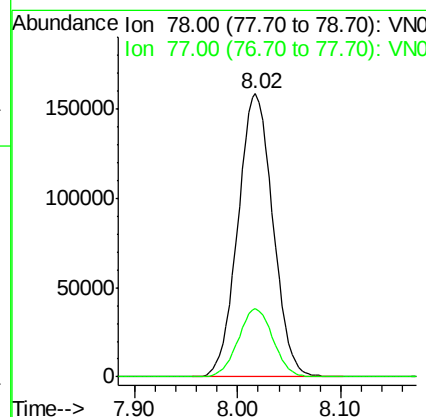
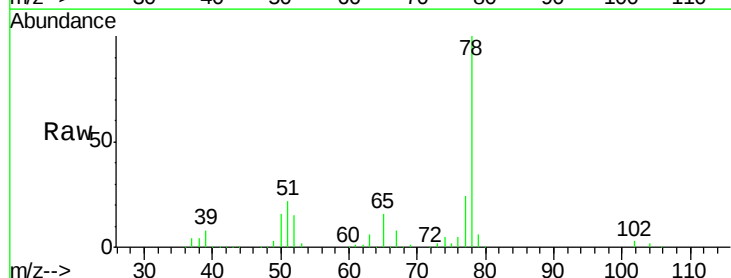
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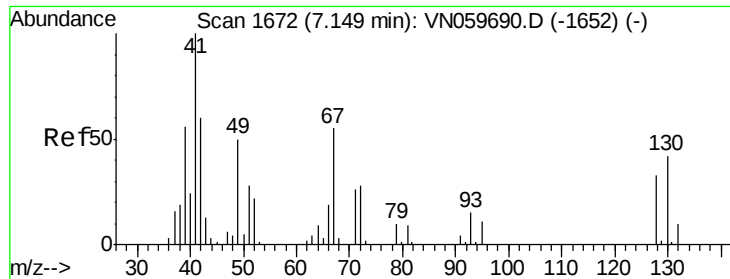
MMDadoda
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#40
Benzene
Concen: 49.504 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





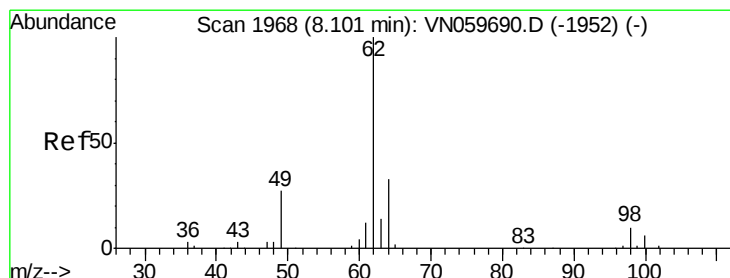
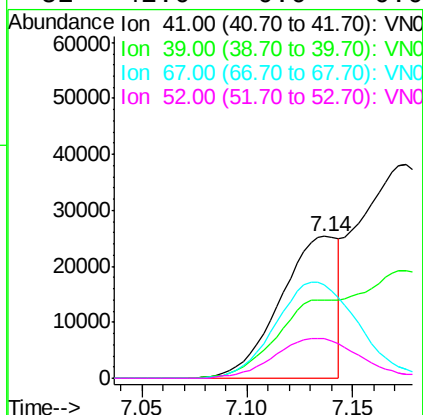
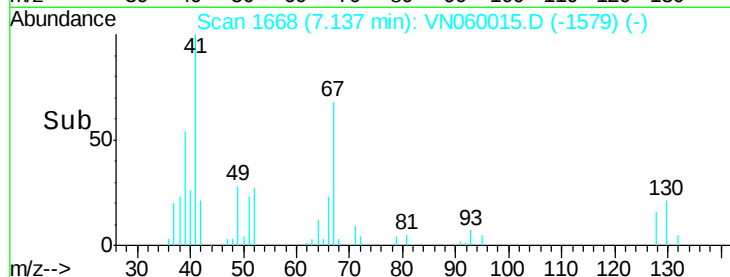
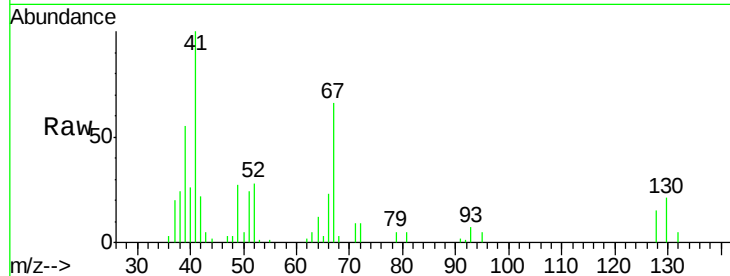
#41
Methacrylonitrile
Concen: 41.372 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	98.2	0.0	0.0#
52	42.0	0.0	0.0#

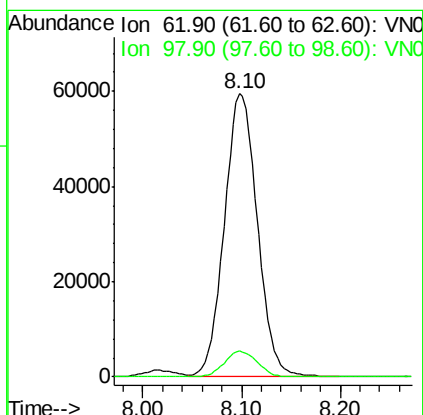
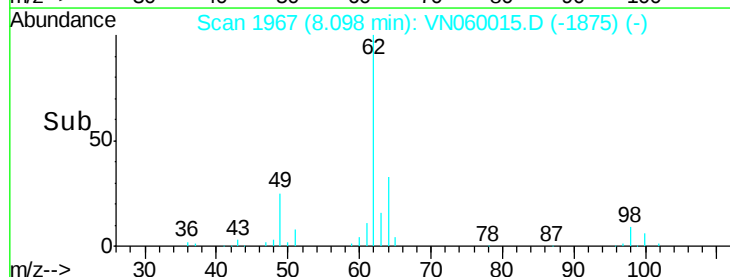
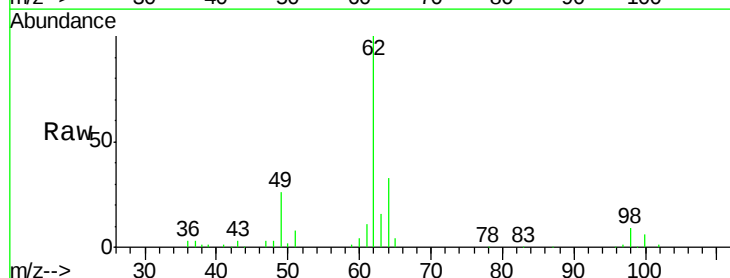
Manual Integrations
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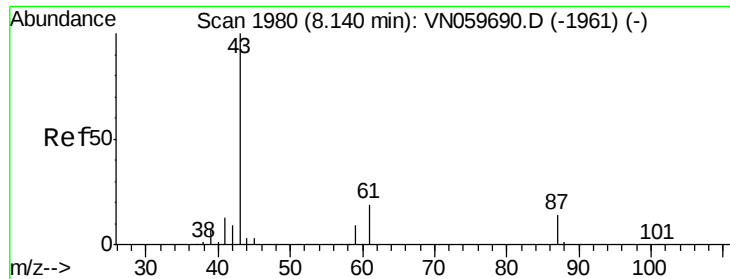
MMDadoda
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#42
1,2-Dichloroethane
Concen: 54.293 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	15.8





#43

Isopropyl Acetate

Concen: 49.152 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

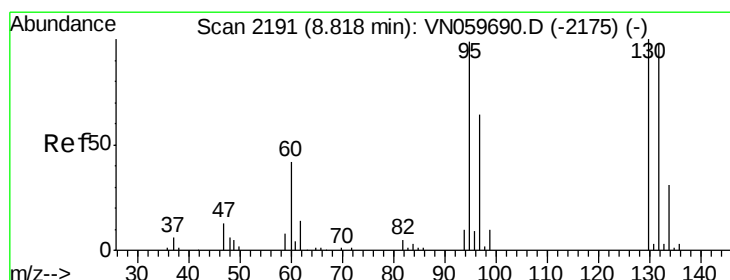
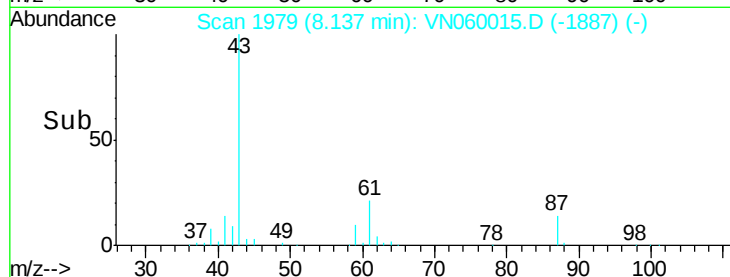
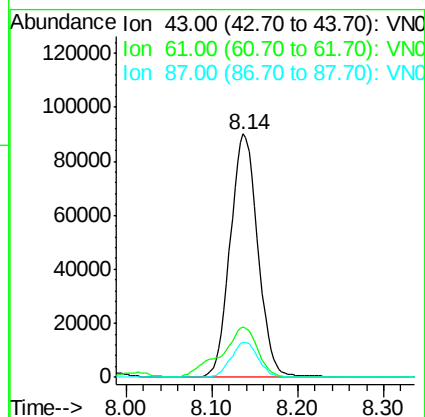
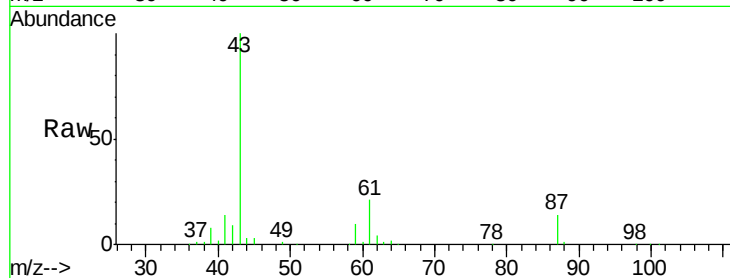
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	201081
Ion	Ratio	Lower	Upper
43	100		
61	27.6	20.2	30.2
87	14.2	9.5	14.3

Manual Integrations
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2/7/2020 1:44:42 PM



#44

Trichloroethene

Concen: 50.547 ug/l

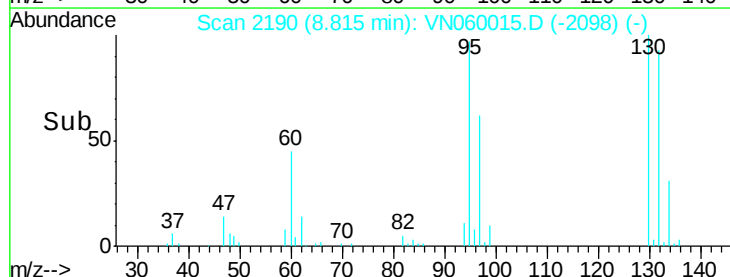
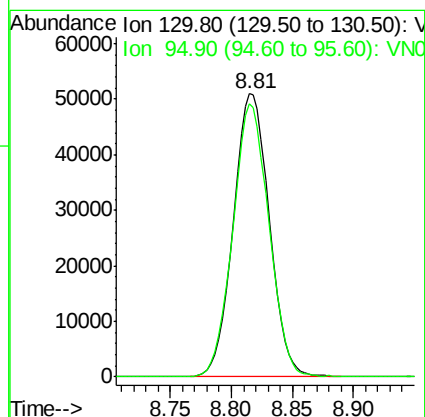
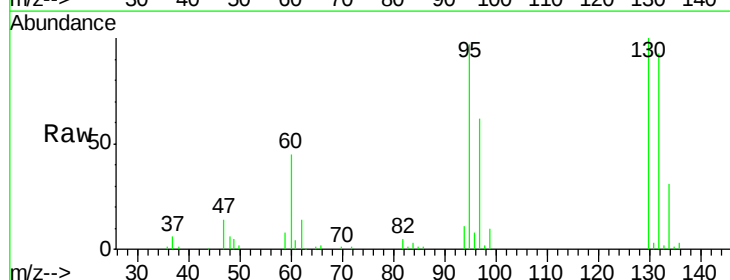
RT: 8.81 min Scan# 2190

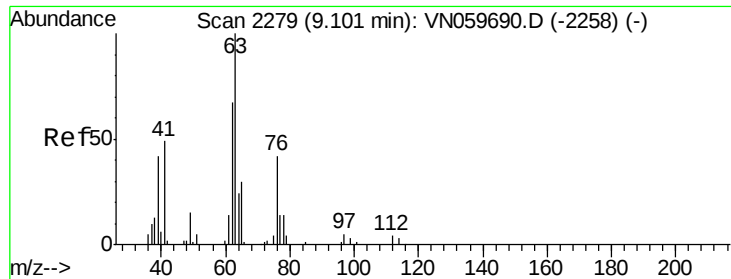
Delta R.T. -0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Tgt Ion:	130	Resp:	104359
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	207.0





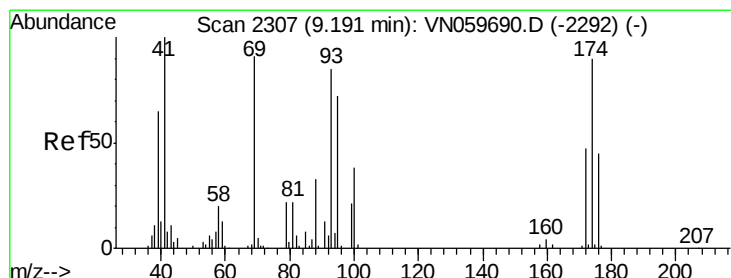
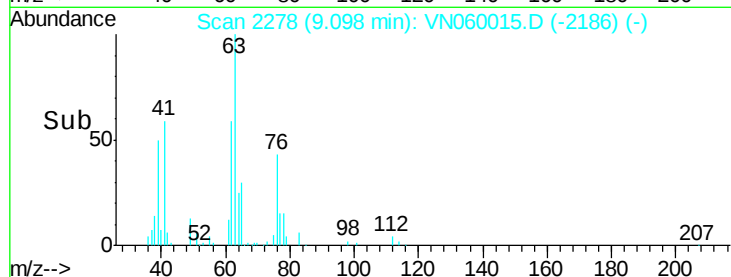
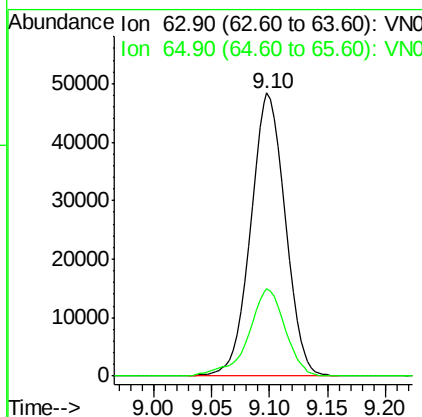
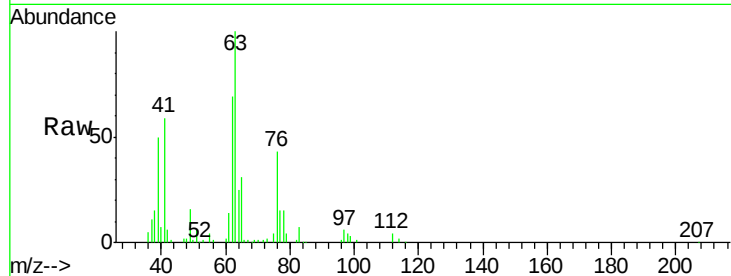
#45
 1,2-Dichloropropane
 Concen: 53.861 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 100799
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.9 37.3

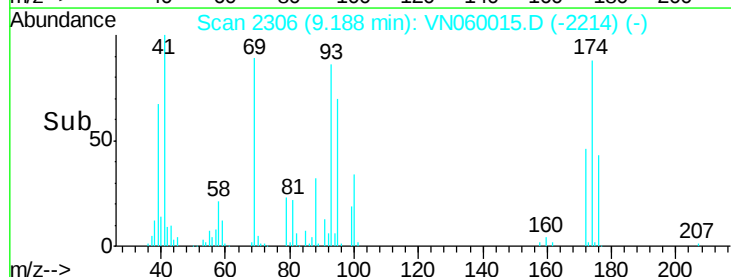
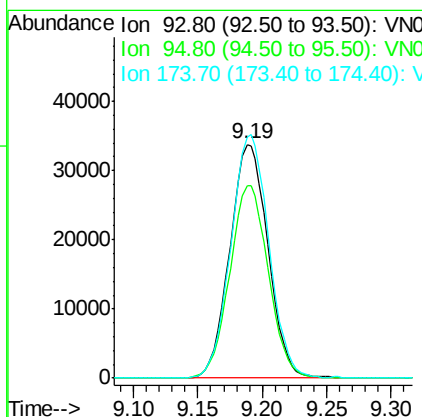
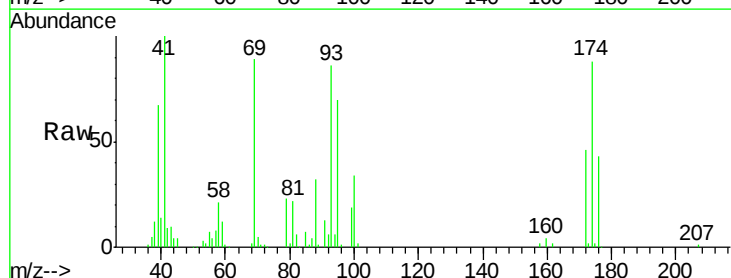
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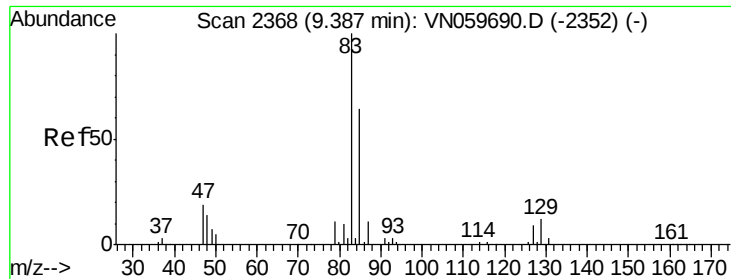
MMDadoda
 2/7/2020 1:44:42 PM



#46
 Dibromomethane
 Concen: 52.672 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Tgt Ion: 93 Resp: 69534
 Ion Ratio Lower Upper
 93 100
 95 83.3 67.0 100.6
 174 103.7 73.4 110.2





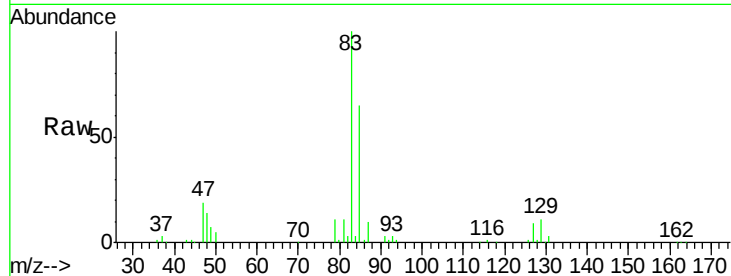
#47
Bromodichloromethane
Concen: 54.723 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

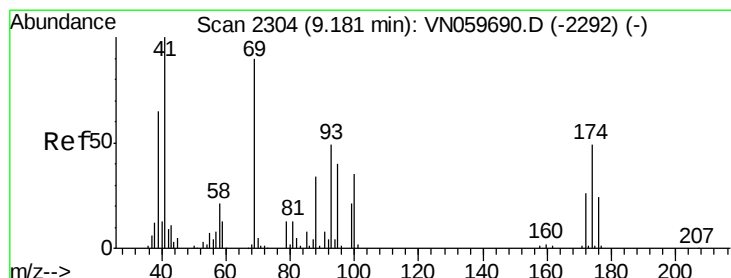
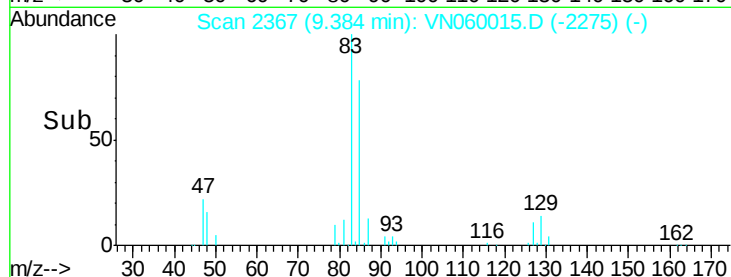
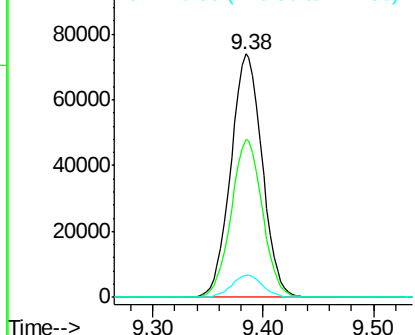
Tot Ion	83	Resp	145580
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	51.1	76.7
127	8.9	6.6	9.8

Manual Integrations
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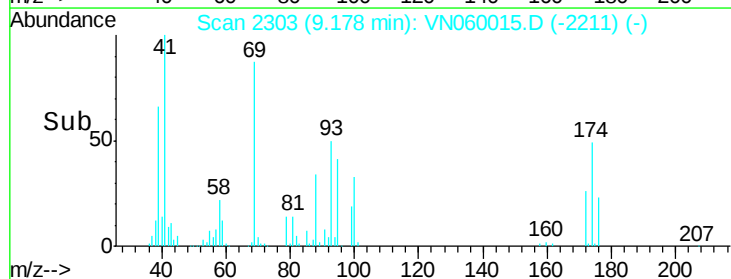
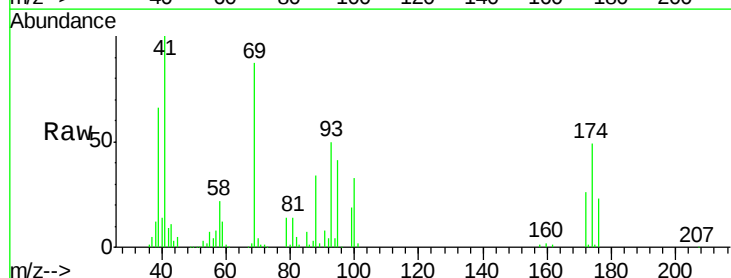
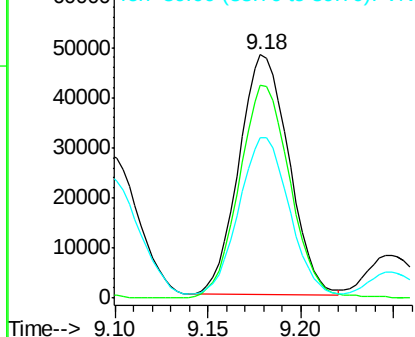
Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48
Methyl methacrylate
Concen: 49.054 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	41	Resp	89765
Ion Ratio	100	Lower	Upper
41	100		
69	90.1	64.4	96.6
39	68.7	51.3	76.9

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





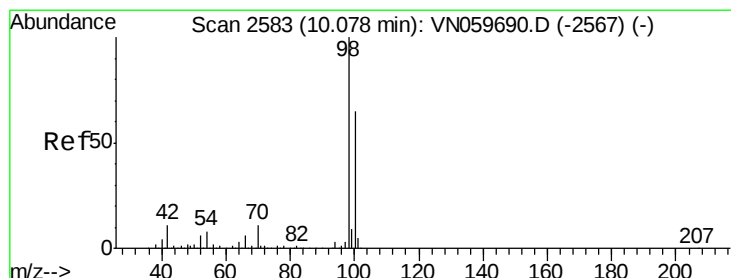
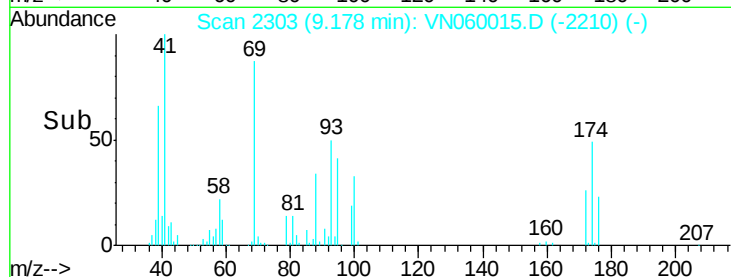
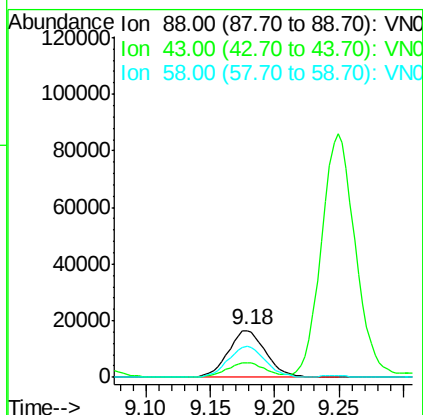
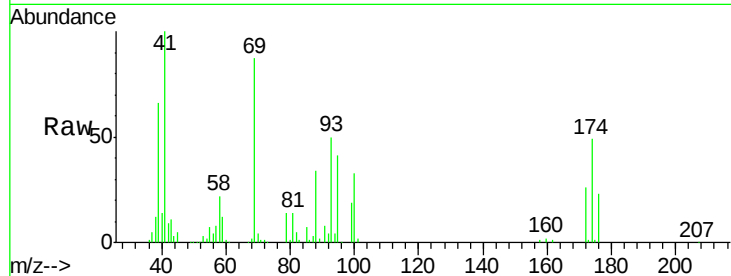
#49
1,4-Dioxane
Concen: 1009.792 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	33827
Ion	Ratio	Lower	Upper
88	100		
43	31.8	29.7	44.5
58	64.8	56.6	85.0

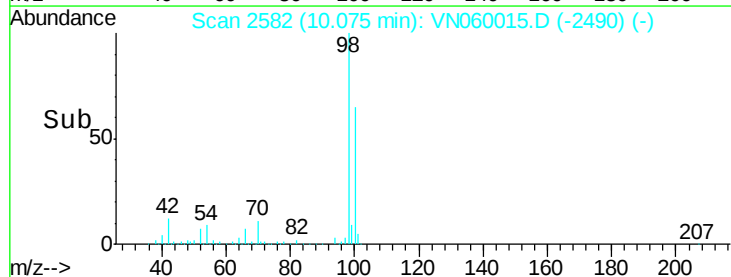
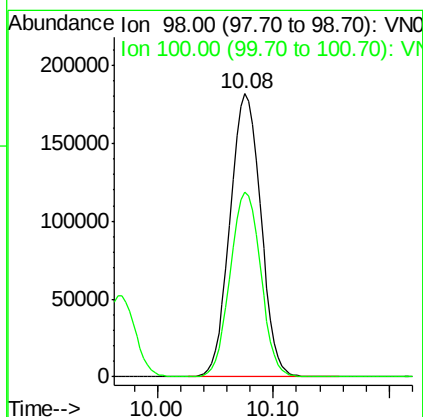
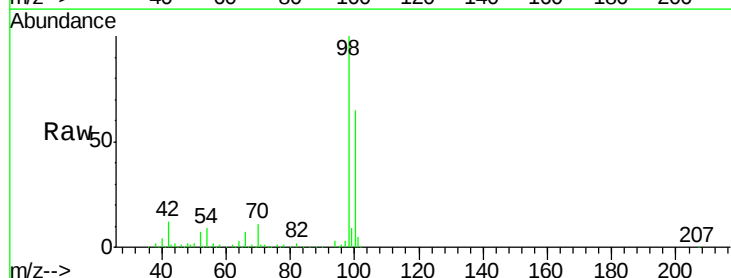
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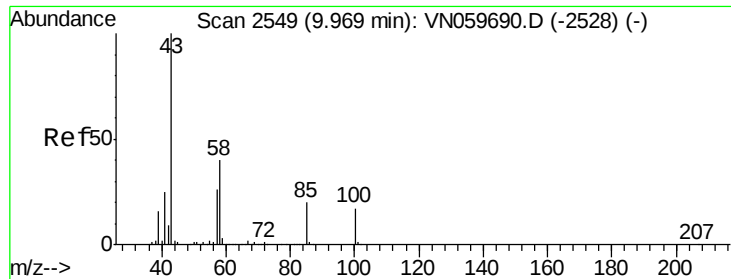
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#50
Toluene-d8
Concen: 49.572 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	98	Resp	333539
Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.2	76.8





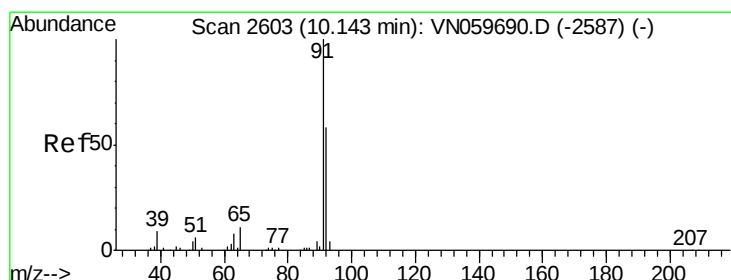
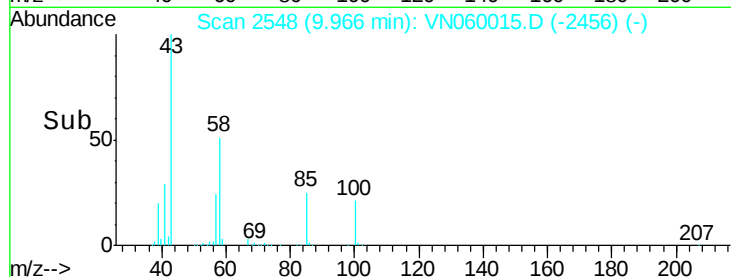
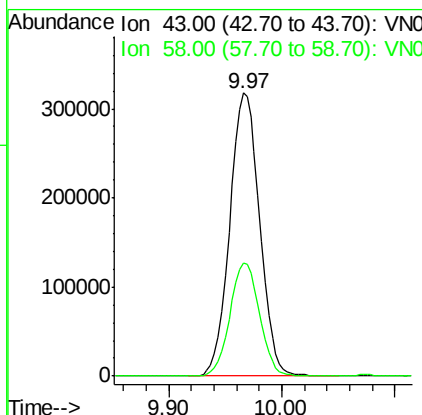
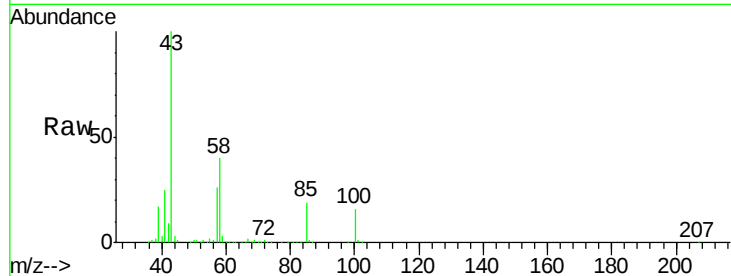
#51
 4-Methyl-2-Pentanone
 Concen: 246.639 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	29.8	44.8

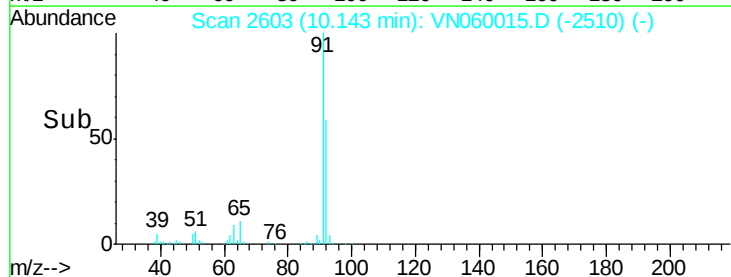
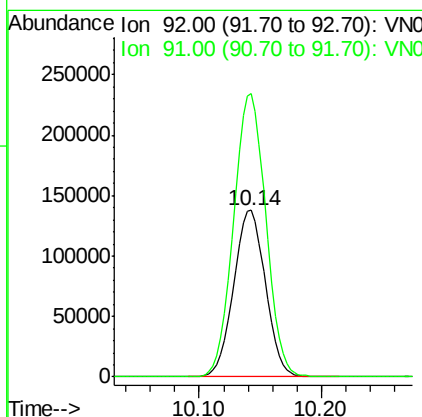
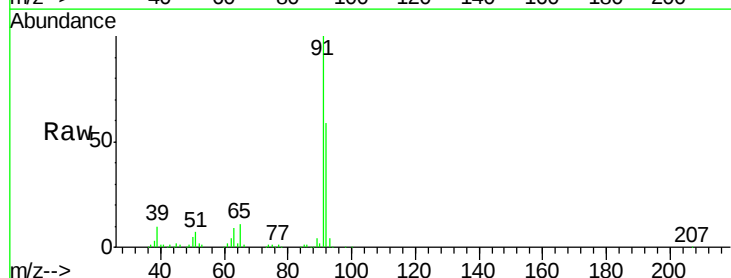
Manual Integrations
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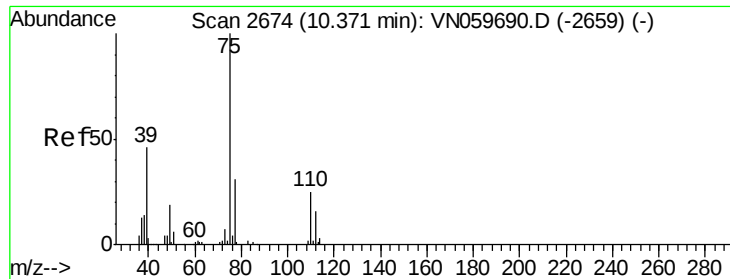
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#52
 Toluene
 Concen: 52.130 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	140.4	210.6





#53

t-1,3-Dichloropropene

Concen: 54.957 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 163247

Ion Ratio Lower Upper

75 100

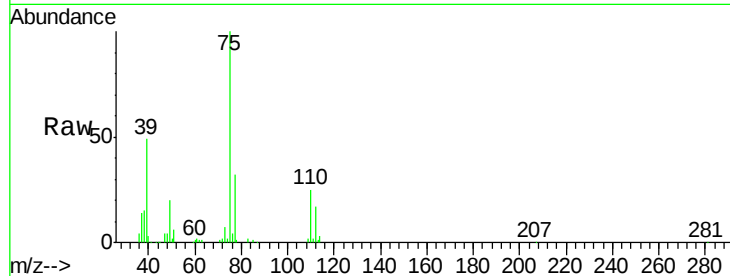
77 32.1 25.4 38.2

Manual Integrations

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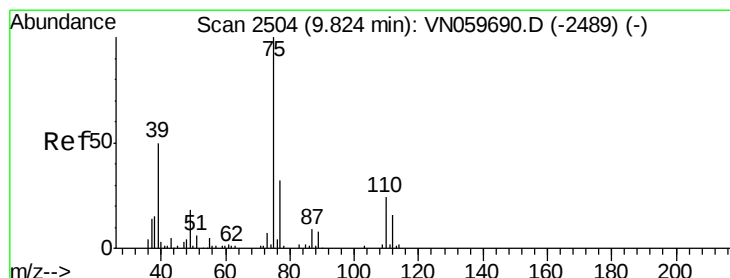
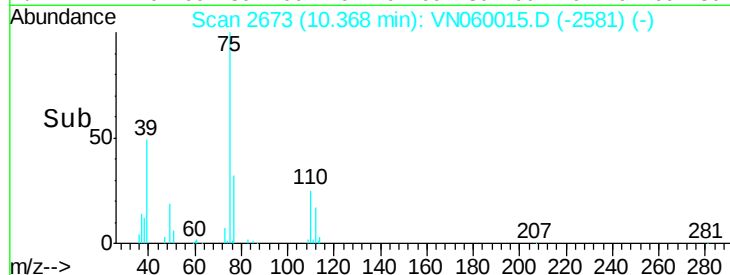
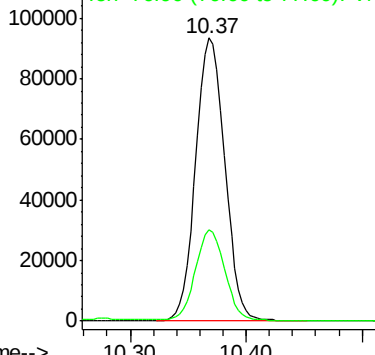
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 54.835 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

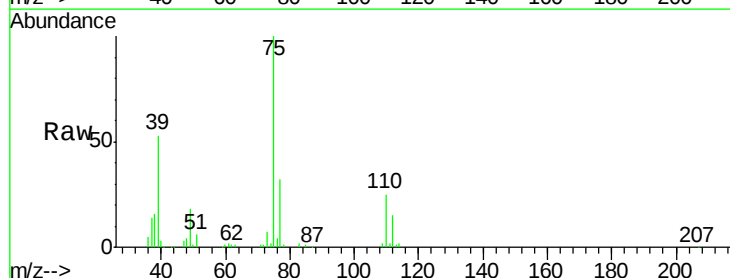
Tgt Ion: 75 Resp: 171386

Ion Ratio Lower Upper

75 100

77 32.5 25.1 37.7

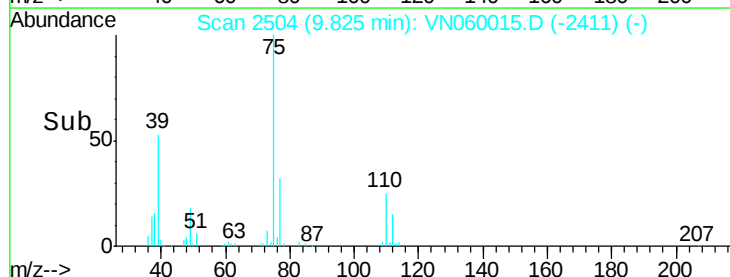
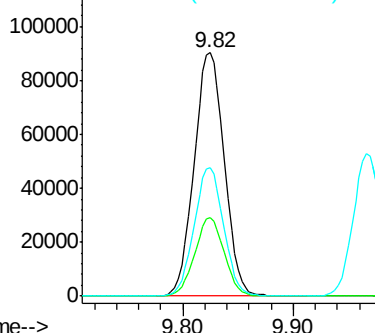
39 52.5 46.1 69.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 53.728 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

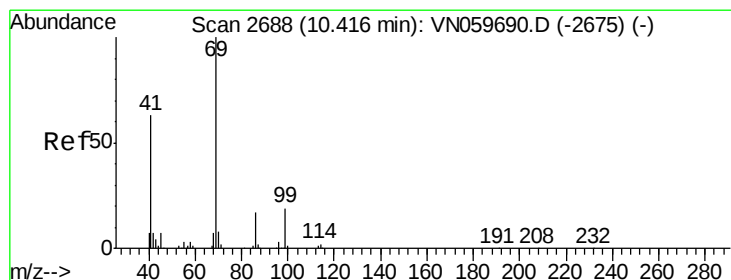
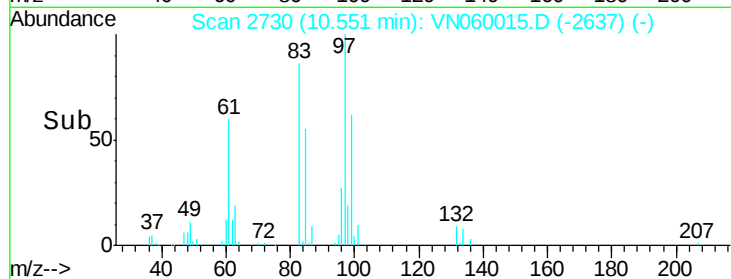
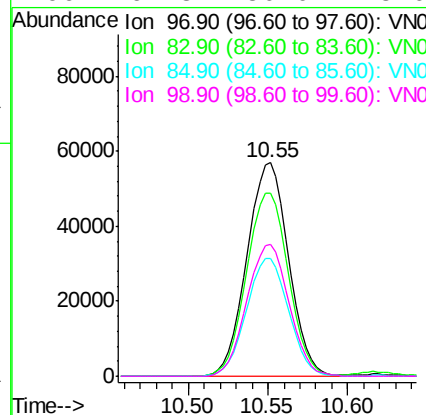
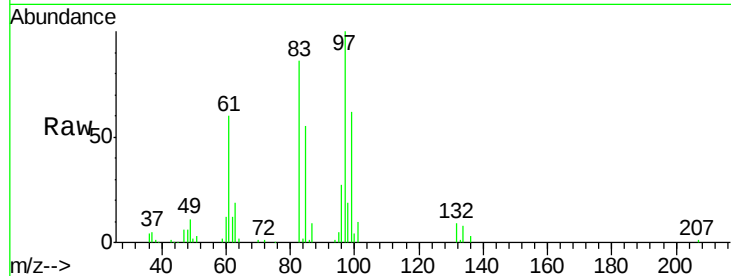
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	101654
Ion	Ratio	Lower	Upper
97	100		
83	85.6	71.3	106.9
85	55.0	45.8	68.8
99	61.8	50.0	75.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.603 ug/l

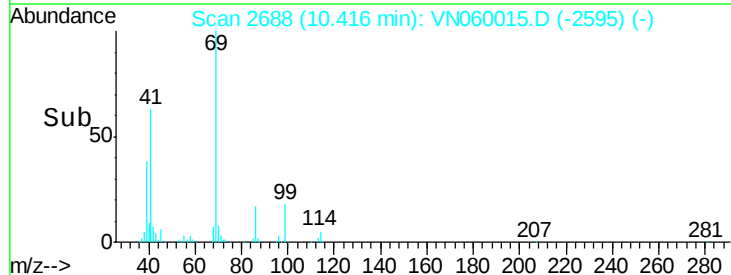
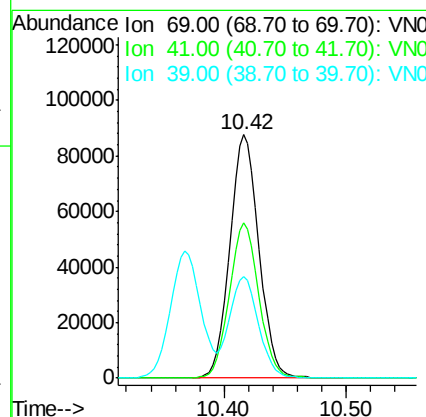
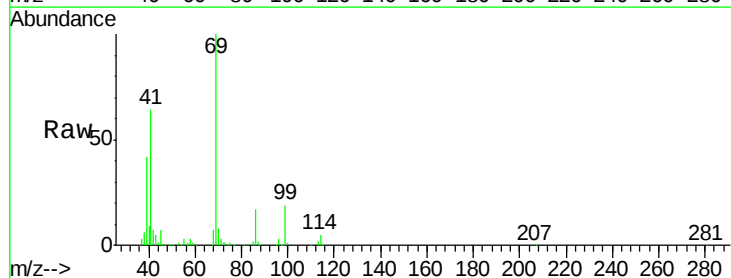
RT: 10.42 min Scan# 2688

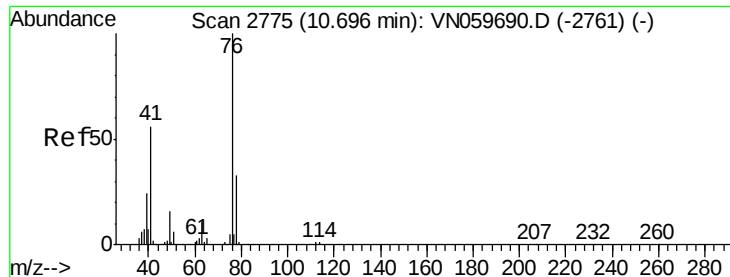
Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Tgt Ion:	69	Resp:	146295
Ion	Ratio	Lower	Upper
69	100		
41	63.8	57.1	85.7
39	42.2	34.7	52.1





#57

1,3-Dichloropropane

Concen: 54.995 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 165195

Ion Ratio Lower Upper

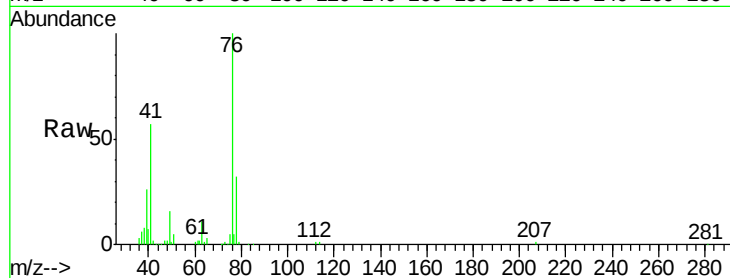
76 100

78 32.4 25.8 38.8

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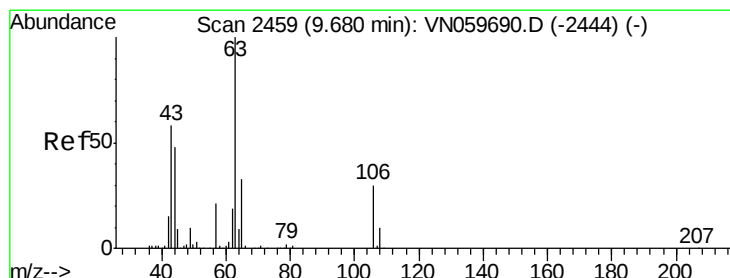
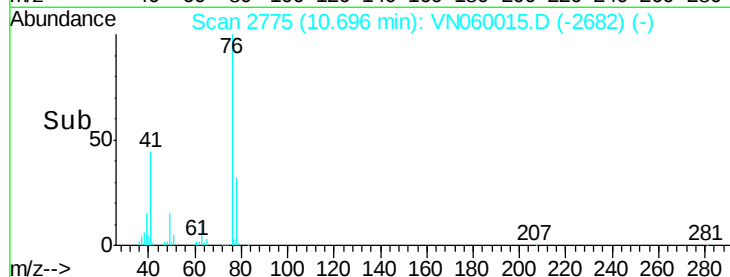
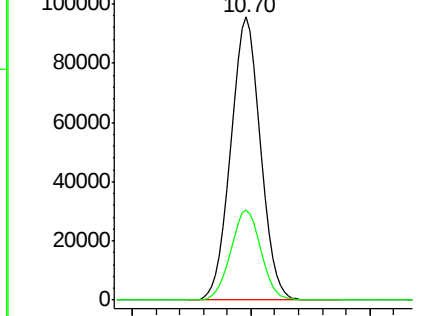
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 282.023 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060015.D

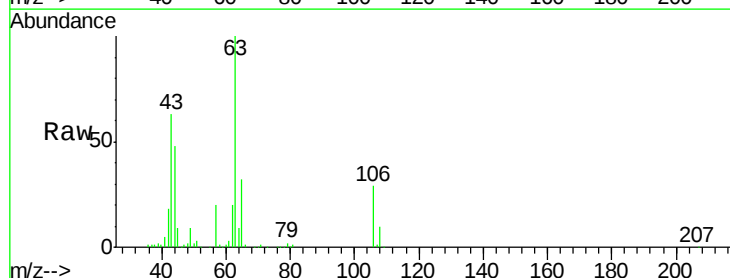
Acq: 6 Feb 2020 16:46

Tgt Ion: 63 Resp: 245580

Ion Ratio Lower Upper

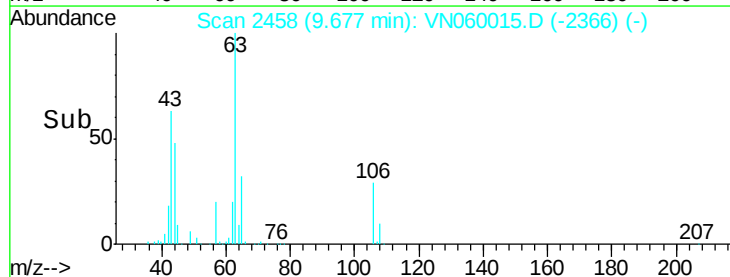
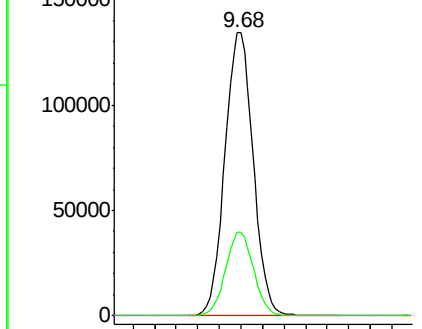
63 100

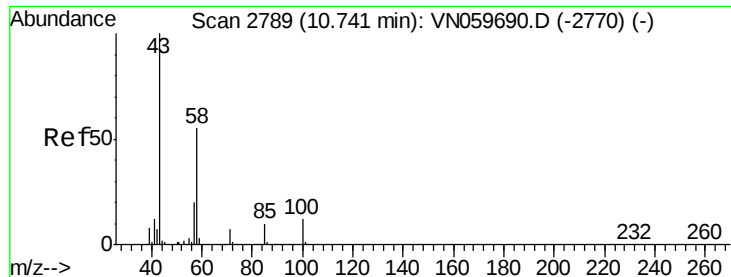
106 29.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





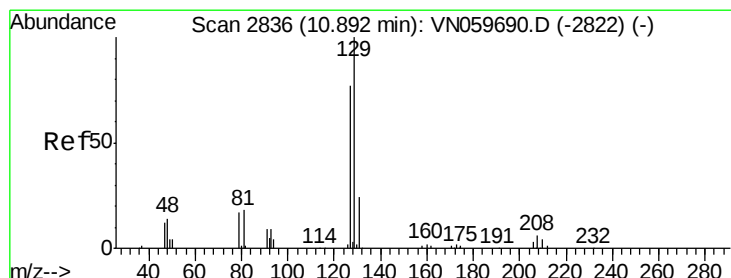
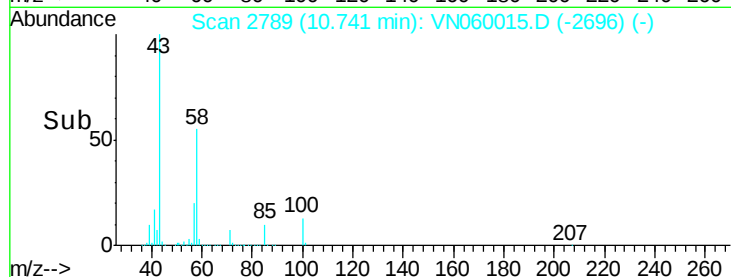
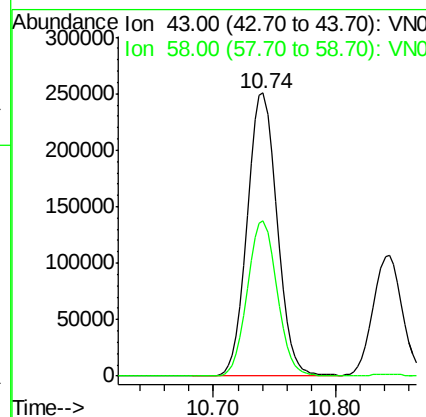
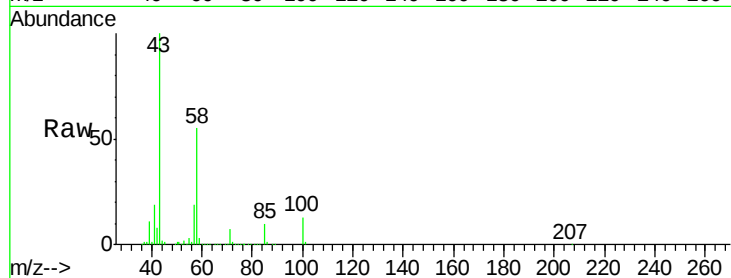
#59
2-Hexanone
Concen: 241.918 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 421476
Ion Ratio Lower Upper
43 100
58 54.7 25.8 77.3

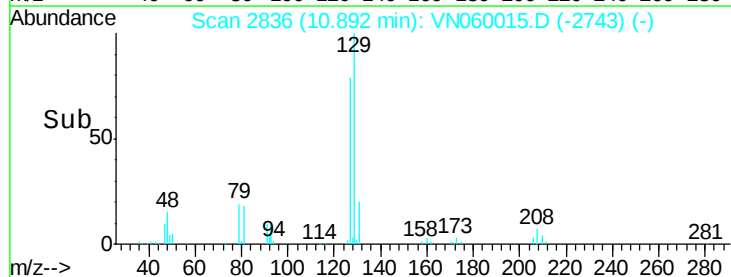
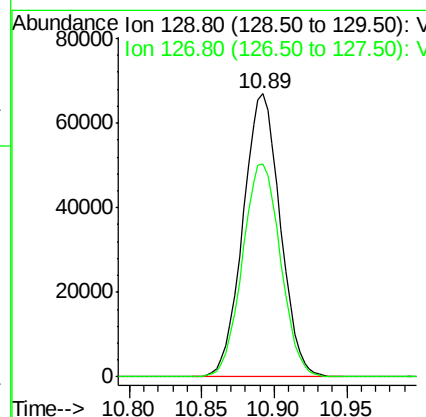
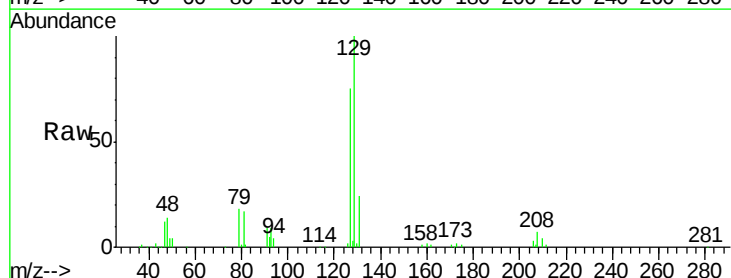
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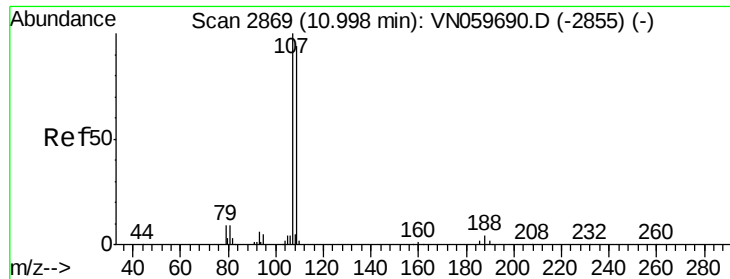
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#60
Dibromochloromethane
Concen: 55.606 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion: 129 Resp: 119806
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.5





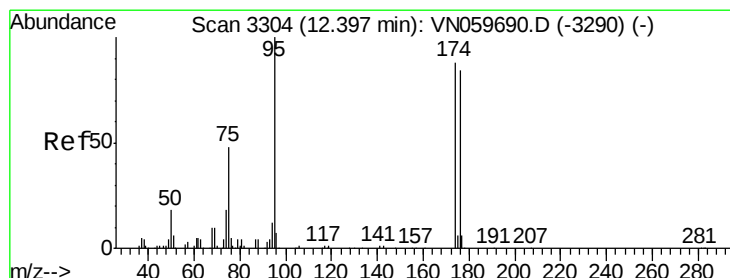
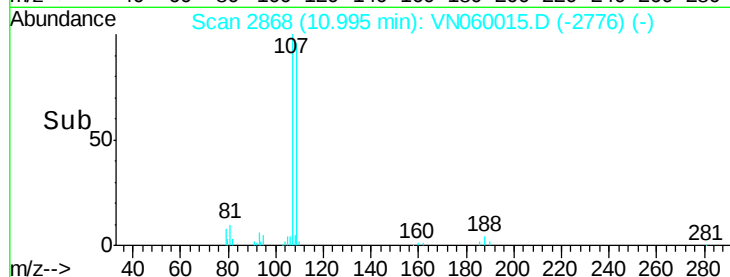
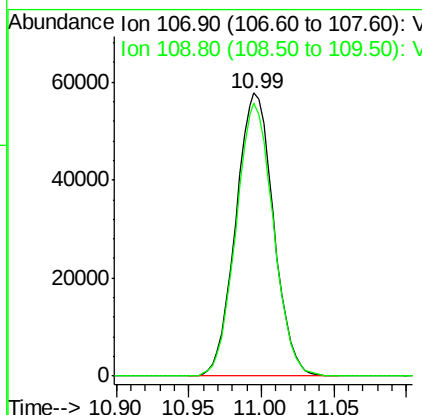
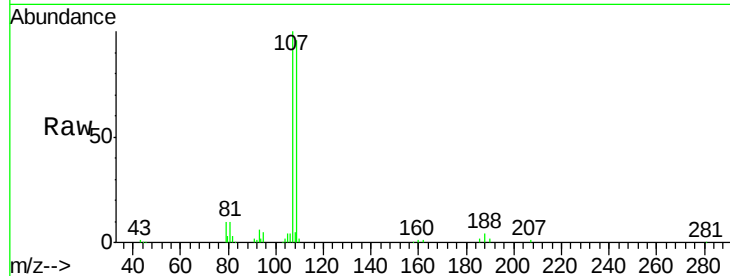
#61
 1,2-Dibromoethane
 Concen: 52.707 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	104521		
109	95.3	76.6	115.0	

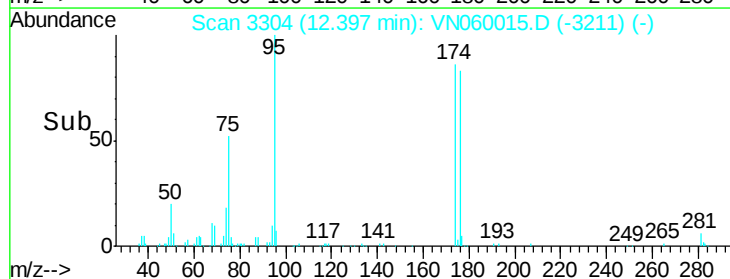
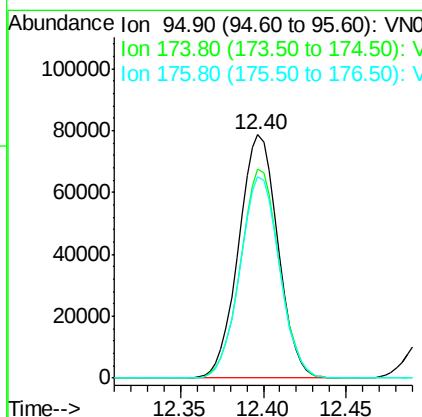
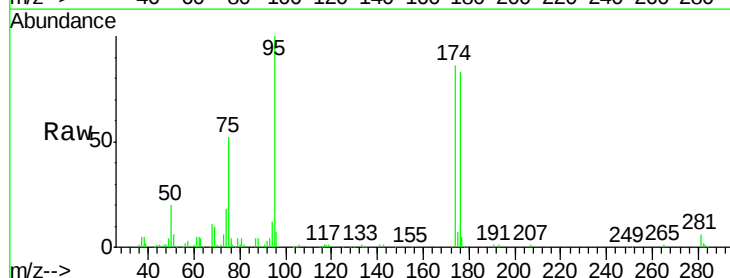
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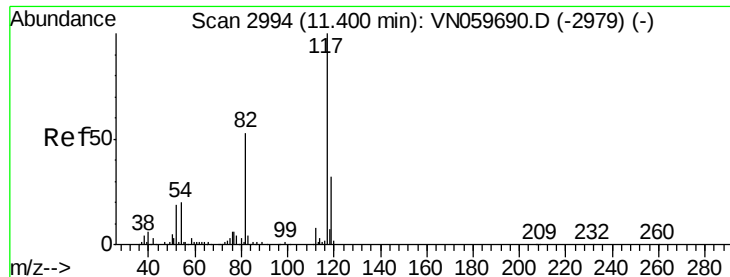
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 53.421 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	129576		
174	84.9	0.0	151.4	
176	83.1	0.0	146.0	





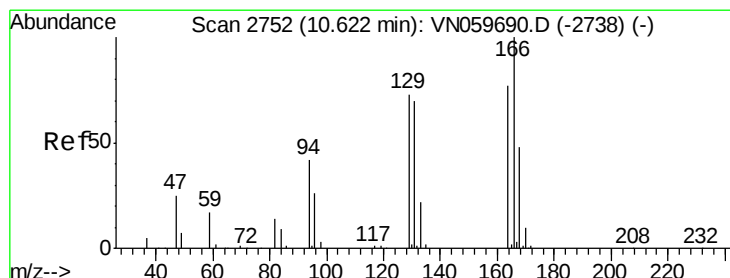
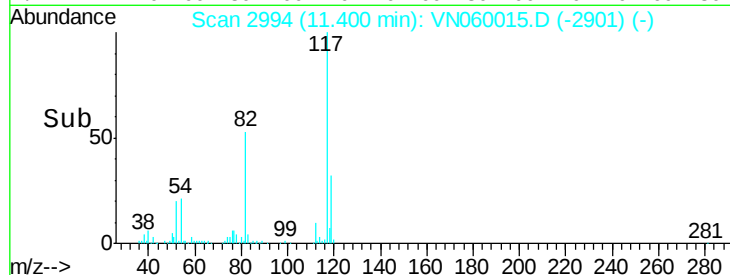
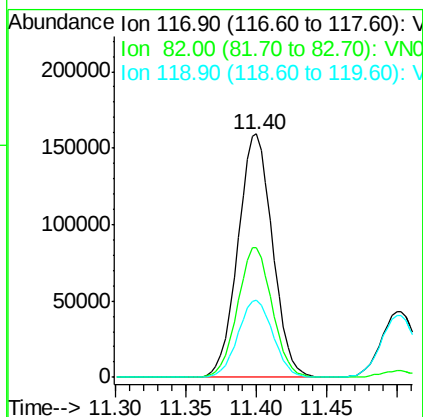
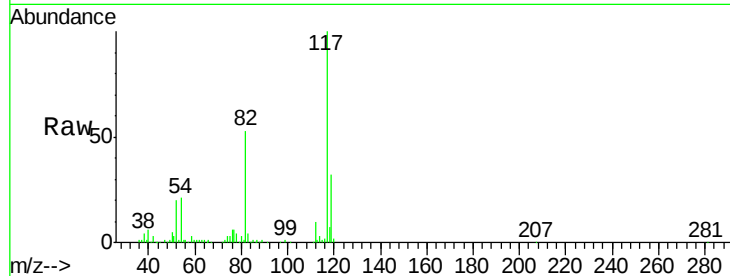
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	45.9	68.9
119	31.9	25.5	38.3

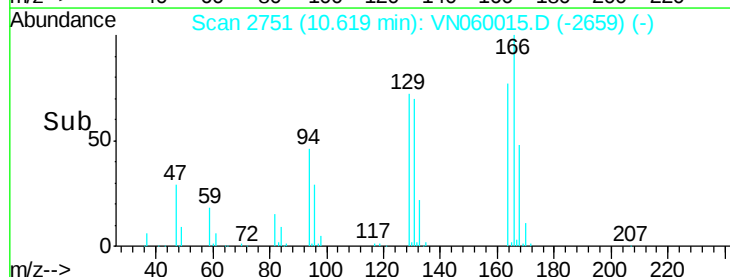
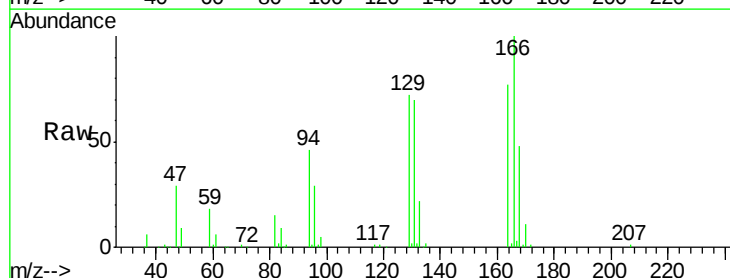
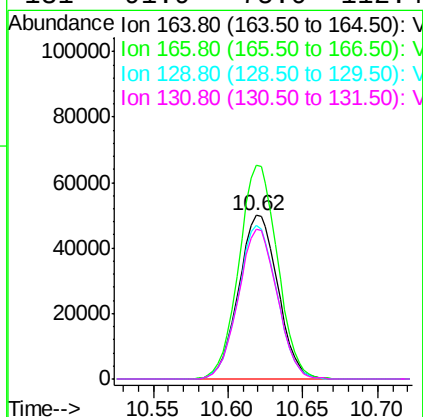
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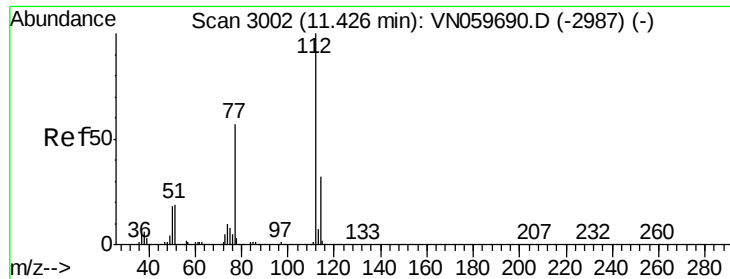
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#64
Tetrachloroethene
Concen: 40.971 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	101.4	152.0
129	94.0	80.2	120.4
131	91.9	75.0	112.4





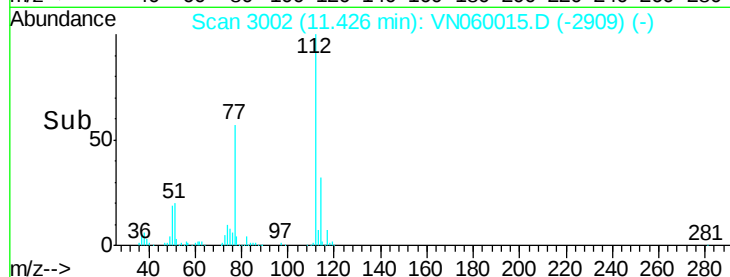
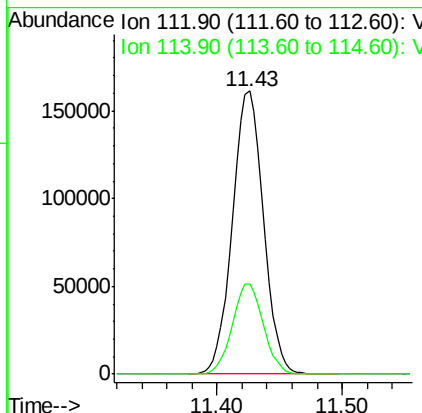
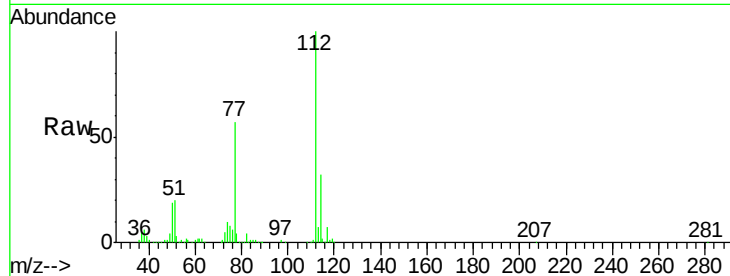
#65
Chlorobenzene
Concen: 51.640 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 277671
Ion Ratio Lower Upper
112 100
114 31.8 25.8 38.8

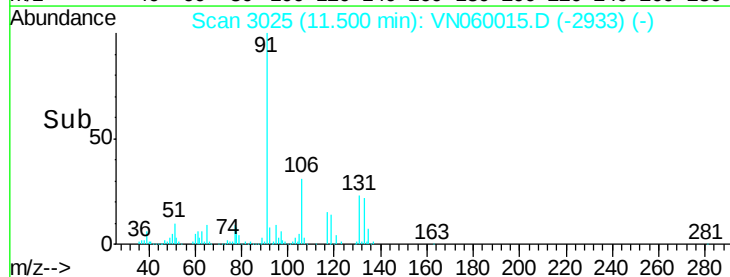
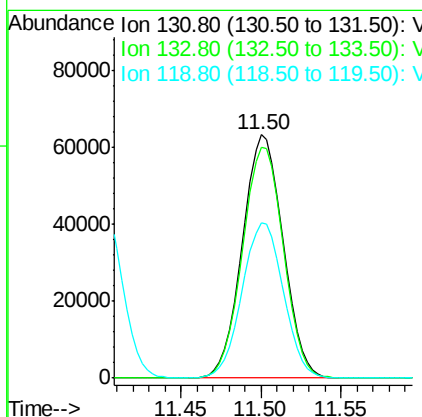
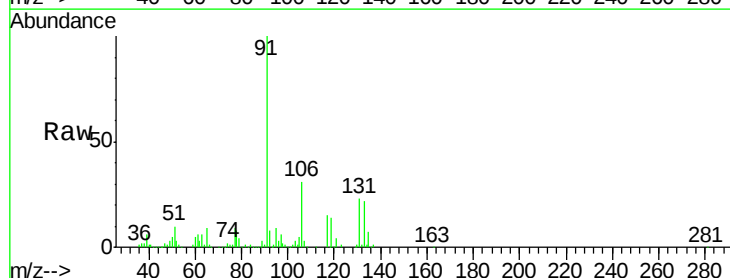
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.979 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion:131 Resp: 110072
Ion Ratio Lower Upper
131 100
133 95.5 47.4 142.2
119 64.8 33.1 99.3





#67

Ethyl Benzene

Concen: 50.730 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 495171

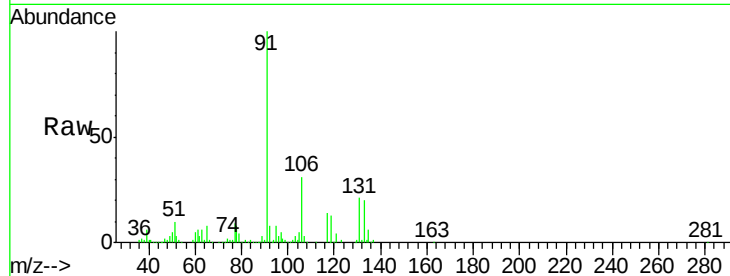
Ion Ratio Lower Upper

91 100

106 31.2 24.1 36.1

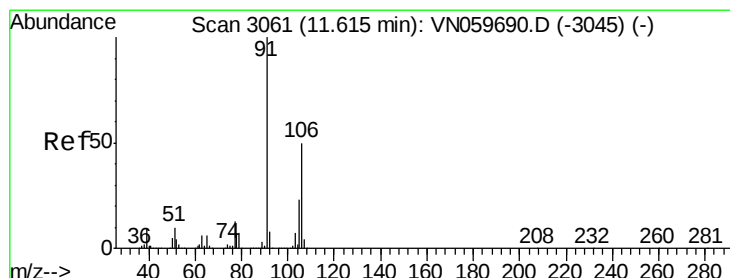
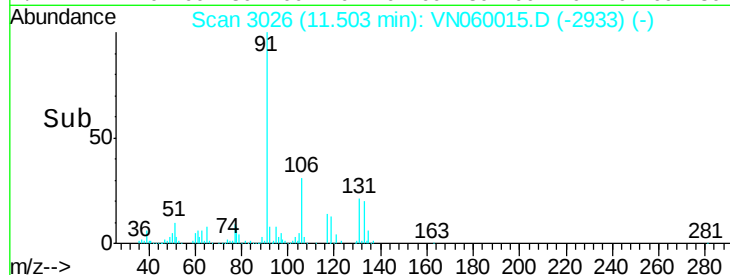
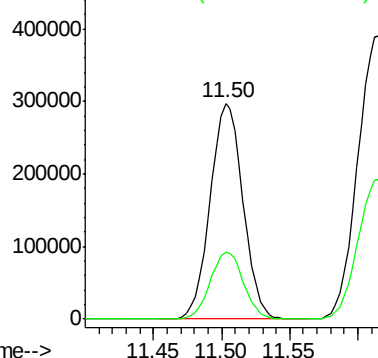
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 101.925 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN060015.D

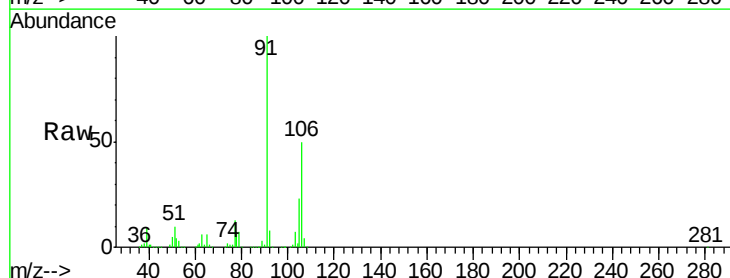
Acq: 6 Feb 2020 16:46

Tgt Ion: 106 Resp: 375809

Ion Ratio Lower Upper

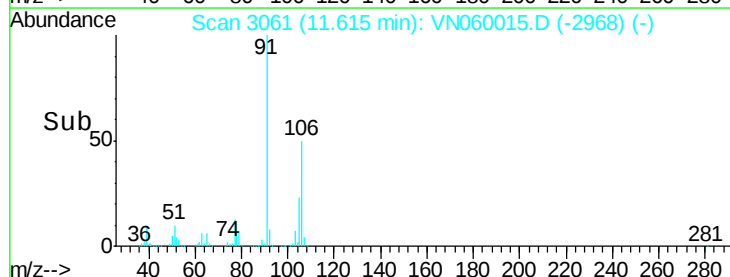
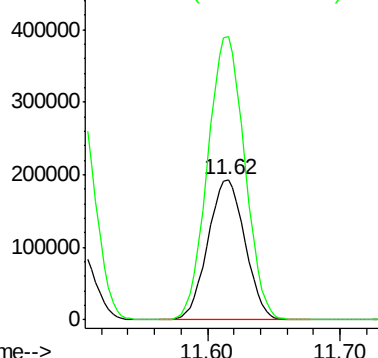
106 100

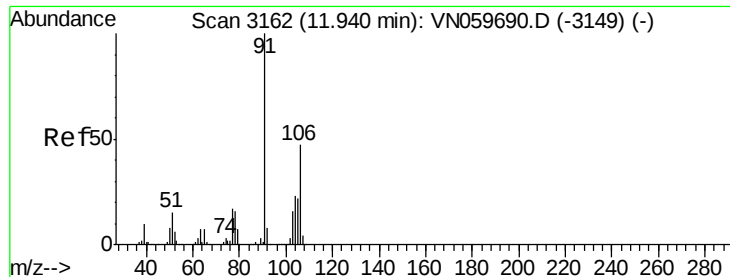
91 201.2 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#69

o-Xylene

Concen: 50.939 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 183876

Ion Ratio Lower Upper

106 100

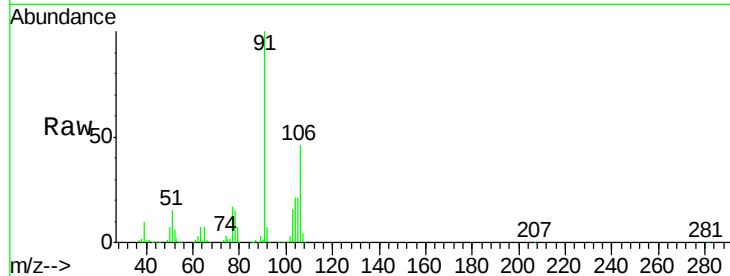
91 213.9 110.3 330.9

Manual Integrations

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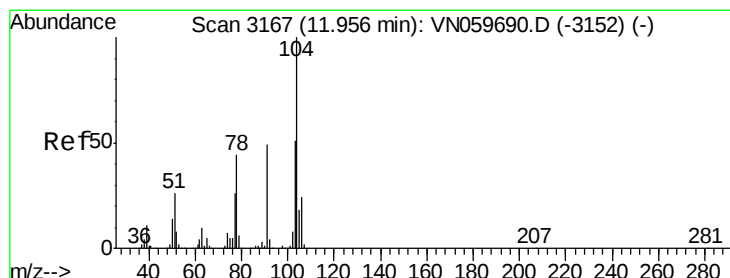
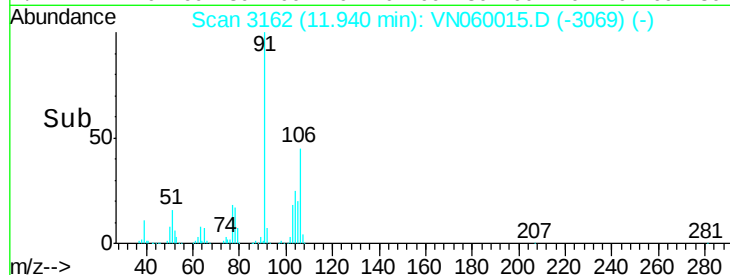
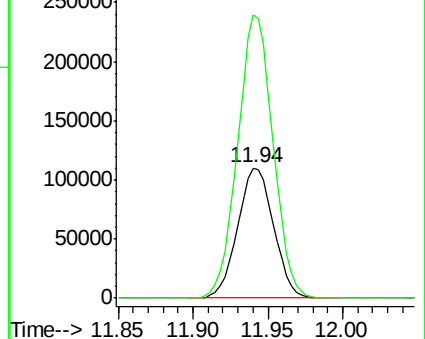
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 51.007 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

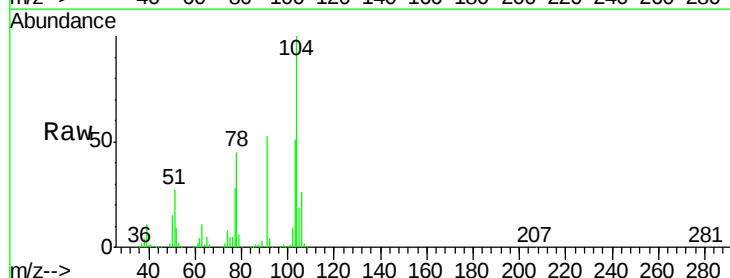
Tgt Ion:104 Resp: 308098

Ion Ratio Lower Upper

104 100

78 49.2 42.4 63.6

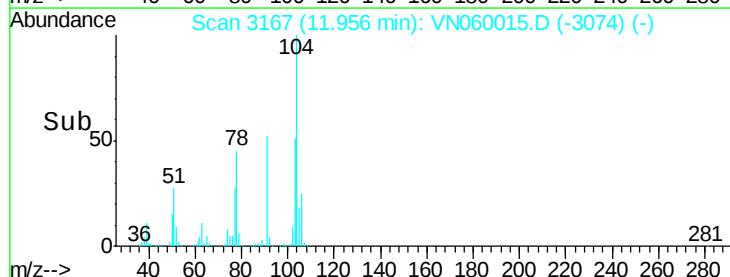
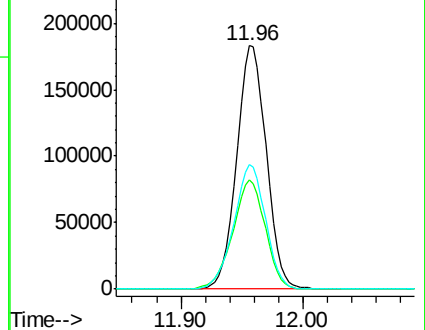
103 55.0 43.9 65.9

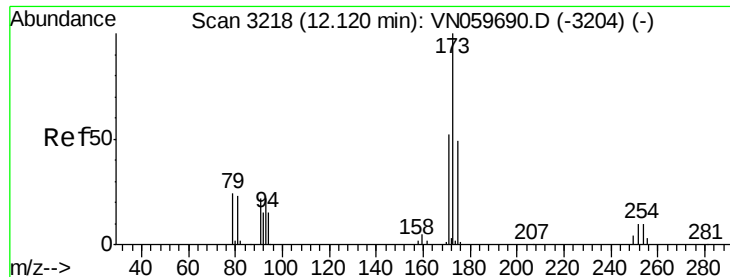


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 53.210 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

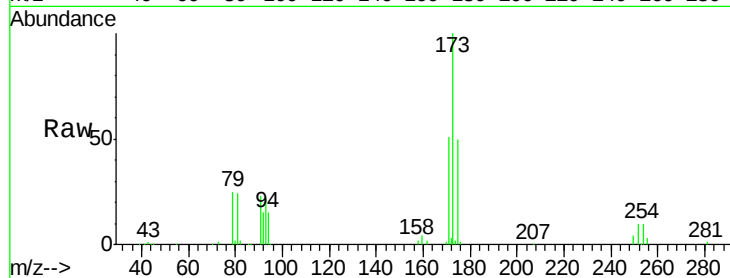
ClientSampleId :

VSTDCCC050EC

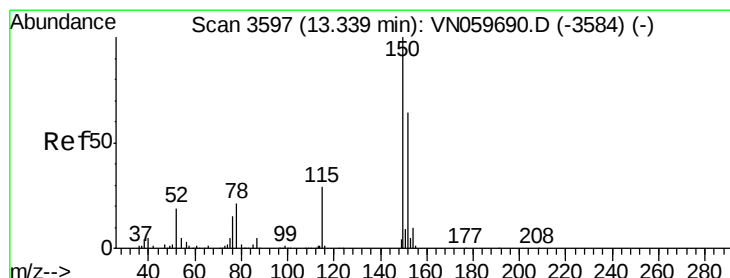
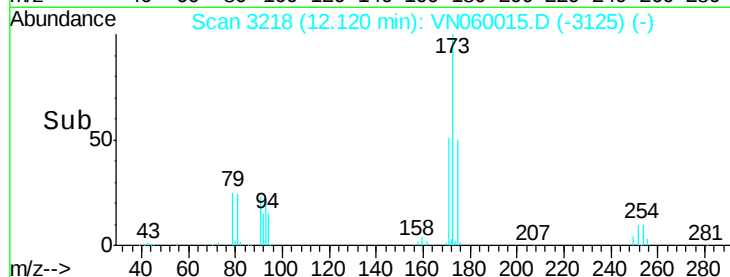
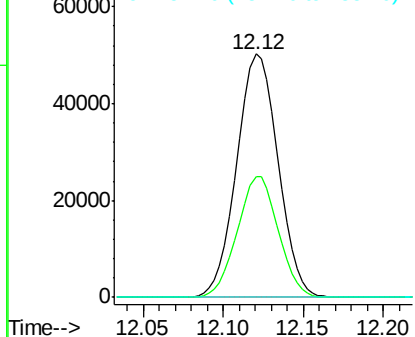
Tot Ion:	173	Resp:	88554
Ion Ratio	Lower	Upper	
173	100		
175	49.1	23.8	71.4
254	0.0	0.0	0.0

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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

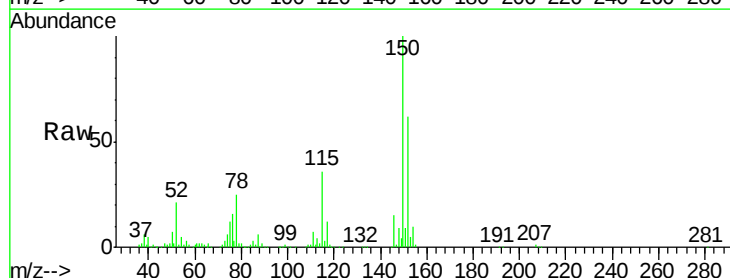
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

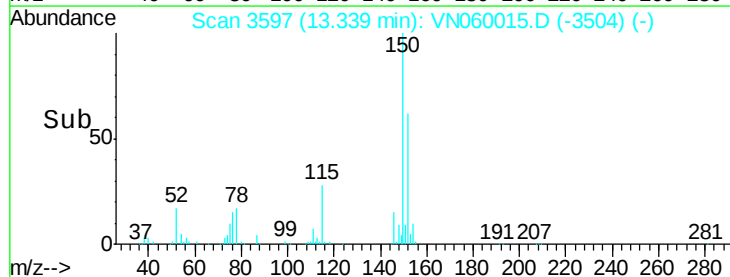
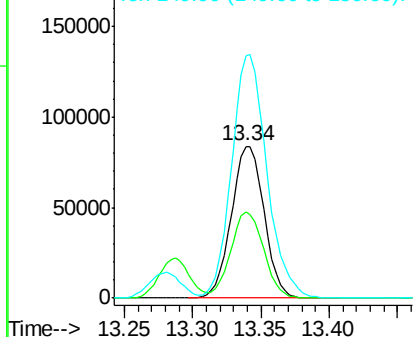
Lab File: VN060015.D

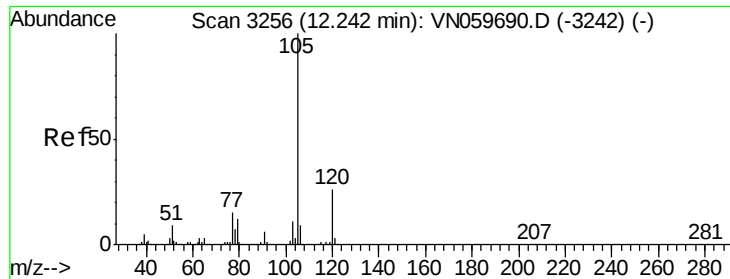
Acq: 6 Feb 2020 16:46

Tgt Ion:	152	Resp:	139660
Ion Ratio	Lower	Upper	
152	100		
115	57.7	30.3	90.9
150	172.2	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: 49.148 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 503397

Ion Ratio Lower Upper

105 100

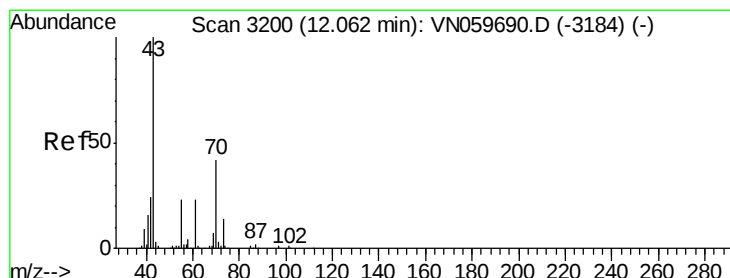
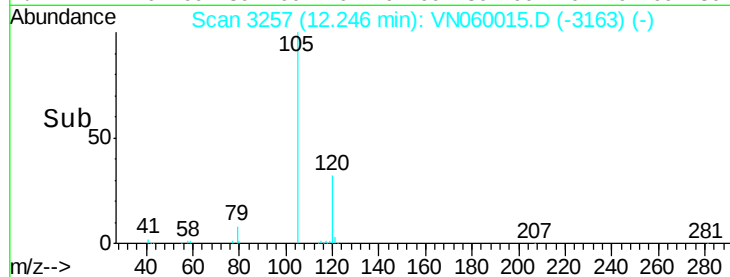
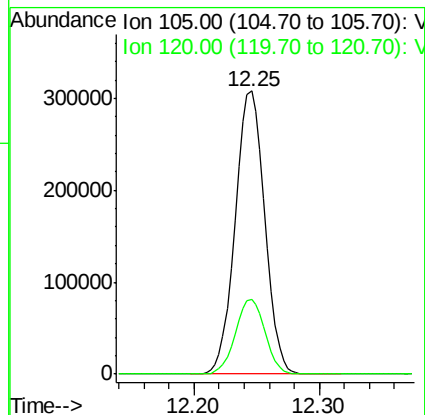
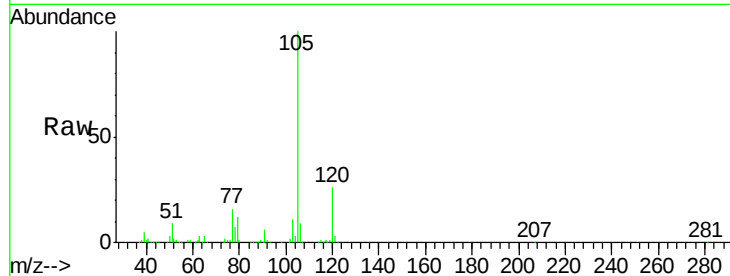
120 26.6 13.2 39.5

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#74

N-ethyl acetate

Concen: 46.245 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Tgt Ion: 43 Resp: 183796

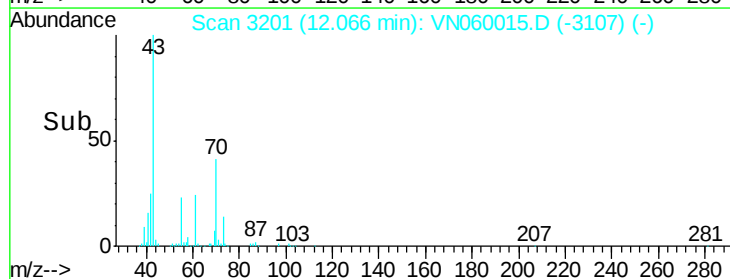
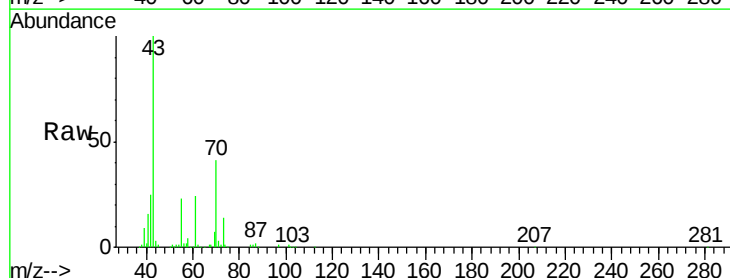
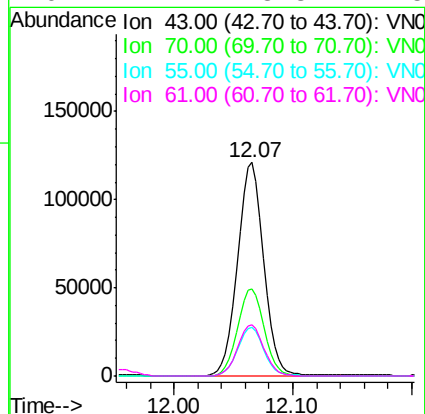
Ion Ratio Lower Upper

43 100

70 41.7 31.3 46.9

55 23.2 19.8 29.6

61 24.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.450 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

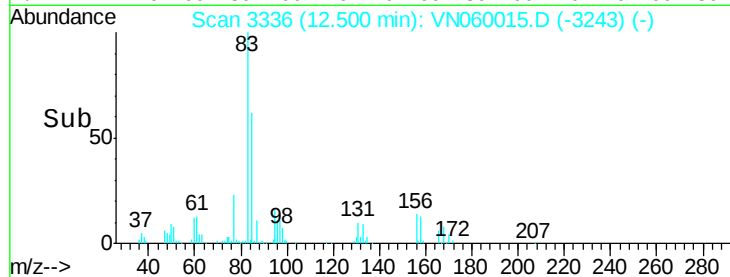
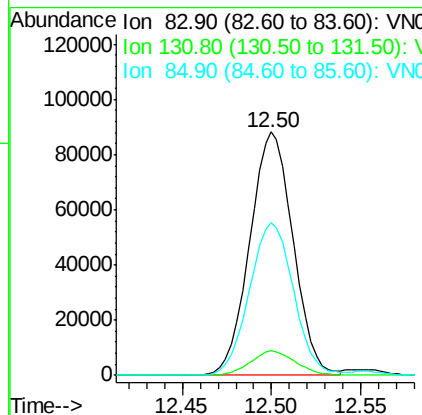
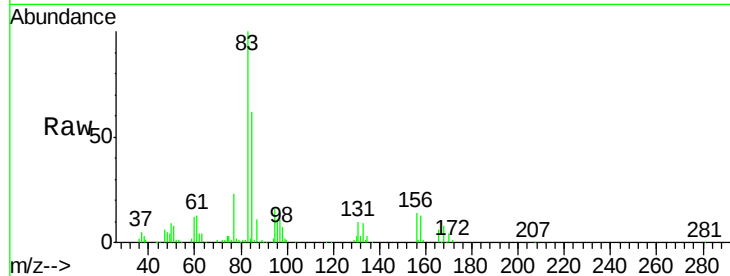
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	149802
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	14.9
85	64.0	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.041 ug/l m

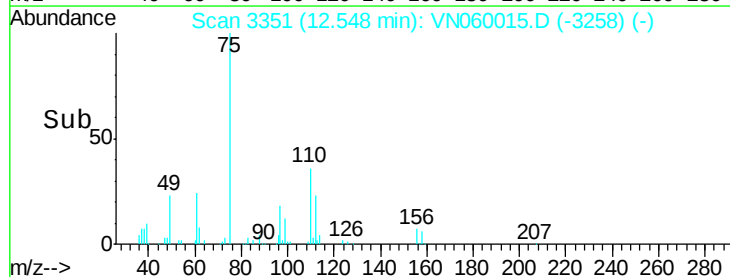
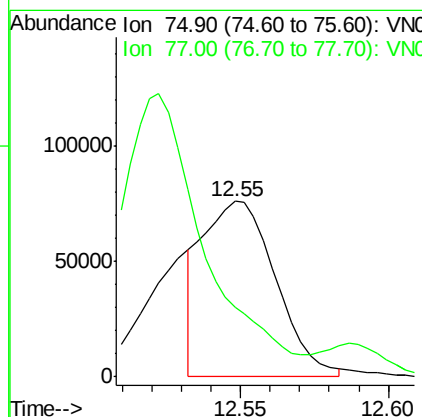
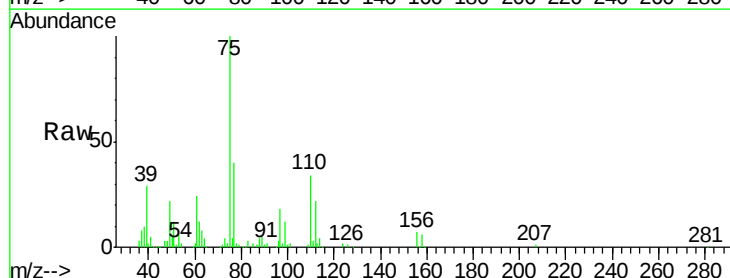
RT: 12.55 min Scan# 3351

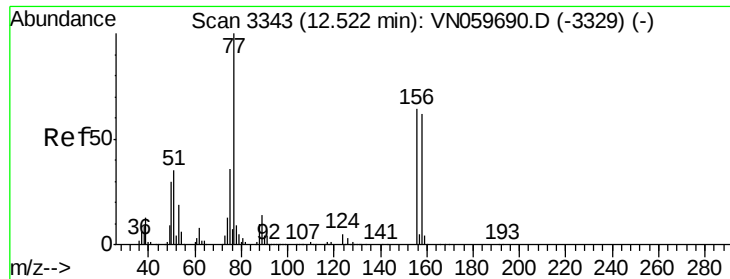
Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Tgt Ion:	75	Resp:	131715
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.843 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

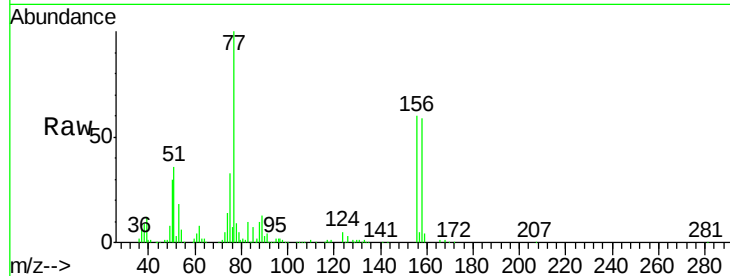
ClientSampleId :

VSTDCCC050EC

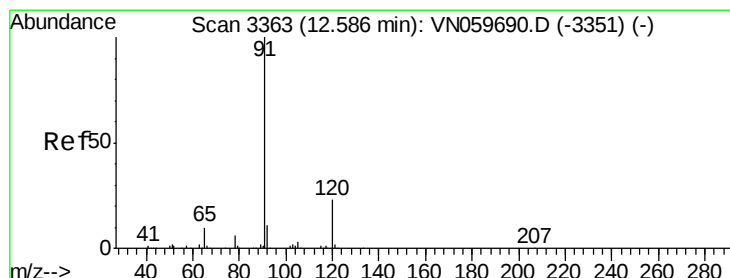
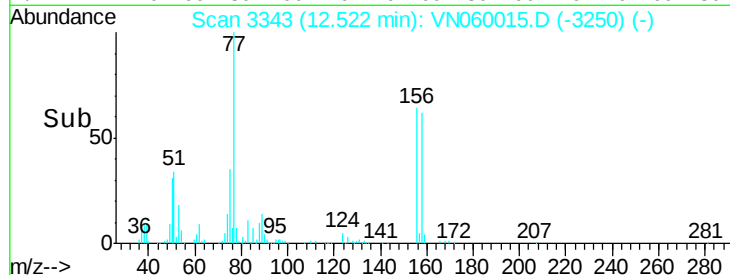
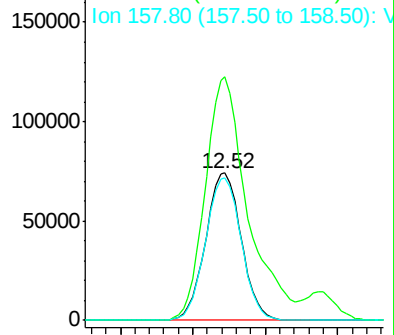
Tot Ion:	156	Resp:	126691
Ion Ratio	Lower	Upper	
156	100		
77	195.4	115.8	347.4
158	96.9	49.2	147.6

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Abundance Ion 155.80 (155.50 to 156.50): V



#78

n-propylbenzene

Concen: 49.794 ug/l

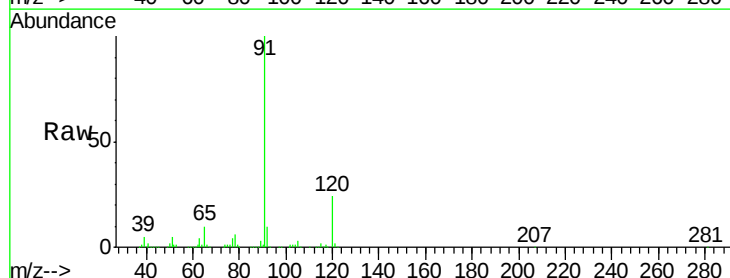
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

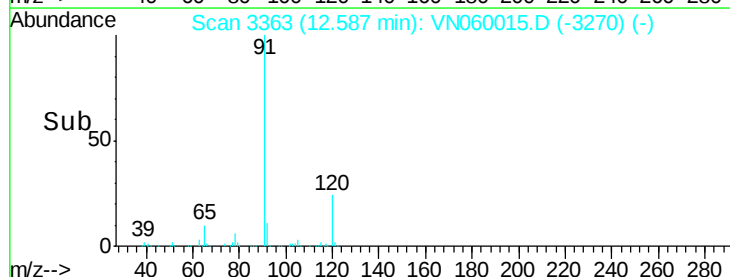
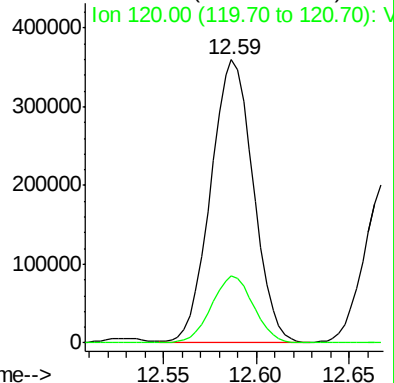
Lab File: VN060015.D

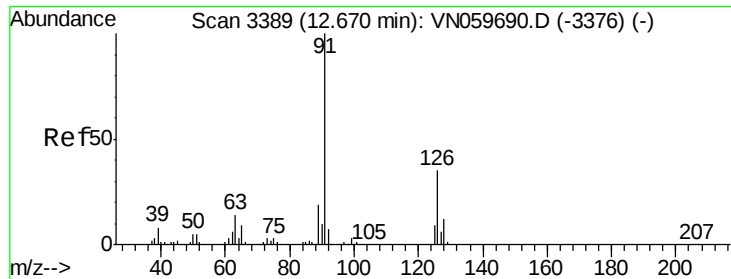
Acq: 6 Feb 2020 16:46

Tgt Ion:	91	Resp:	572441
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.1	33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0





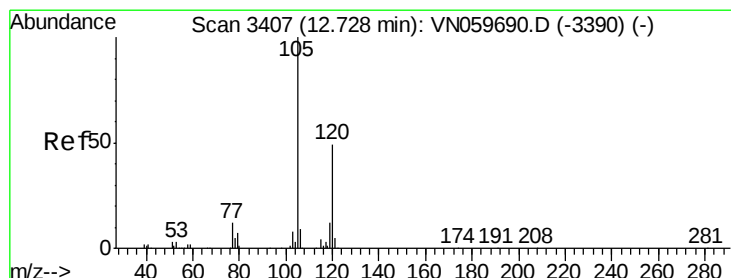
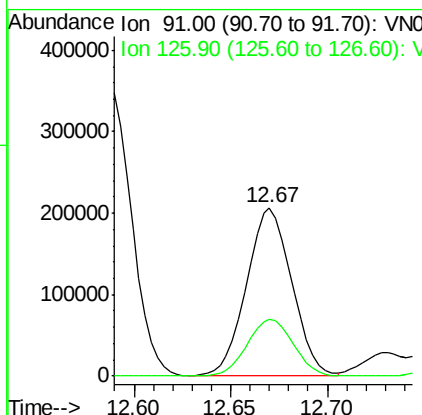
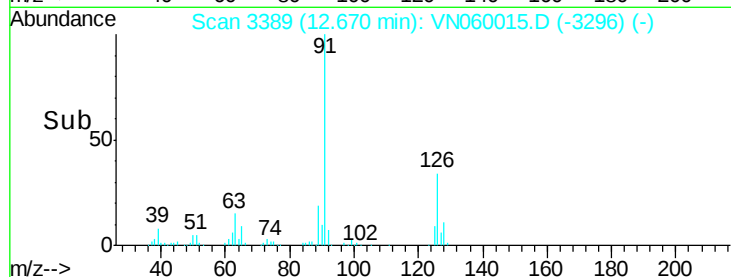
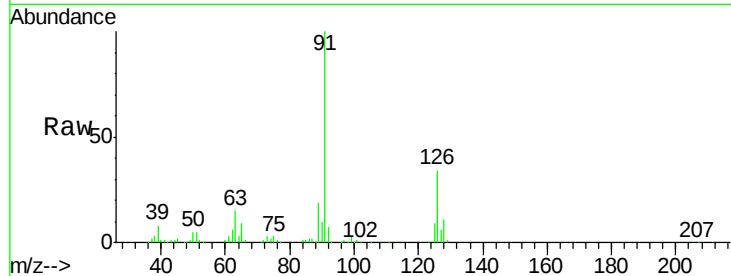
#79
2-Chlorotoluene
Concen: 49.051 ug/l
RT: 12.67 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 335464
Ion Ratio Lower Upper
91 100
126 34.8 16.3 48.9

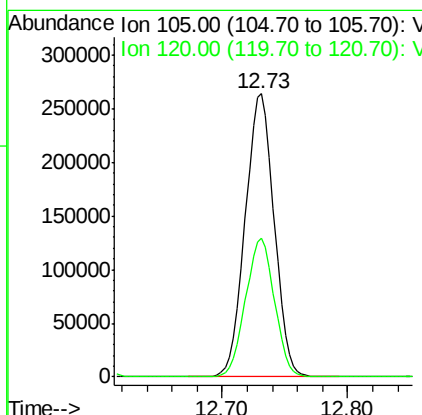
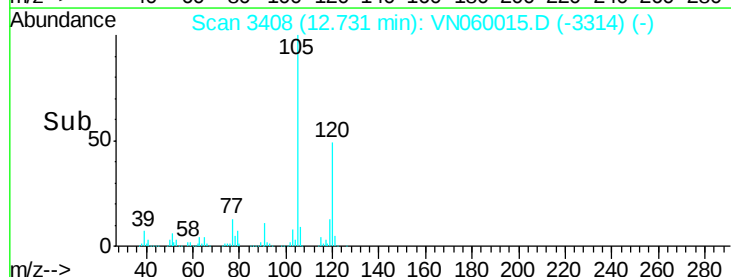
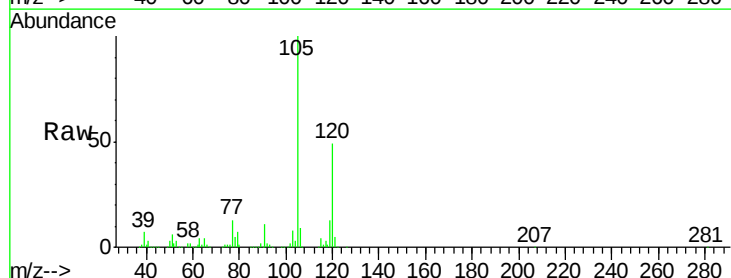
Manual Integrations
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#80
1,3,5-Trimethylbenzene
Concen: 49.082 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion: 105 Resp: 422795
Ion Ratio Lower Upper
105 100
120 49.0 24.1 72.4





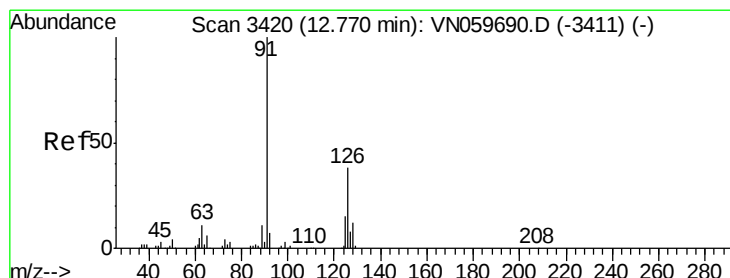
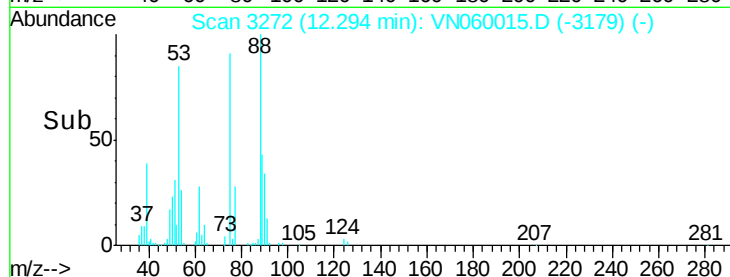
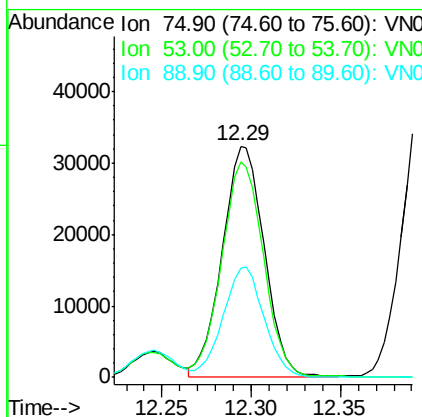
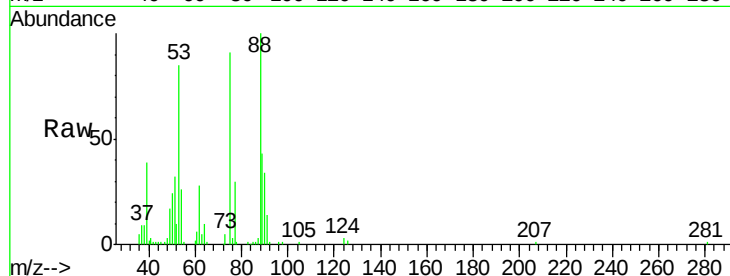
#81
trans-1,4-Dichloro-2-butene
Concen: 48.544 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.5	78.1	117.1
89	46.6	35.4	53.2

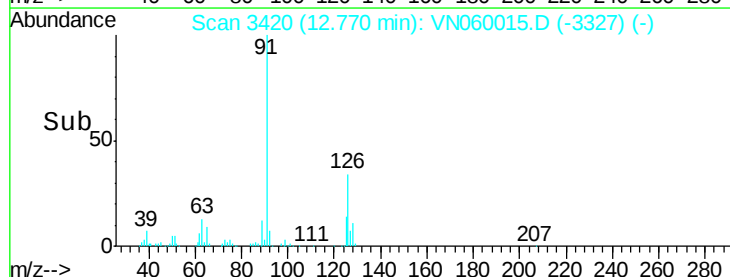
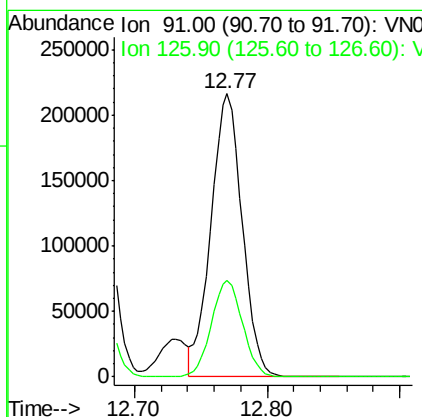
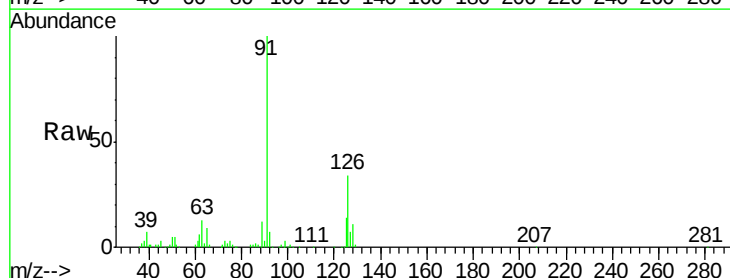
Manual Integrations
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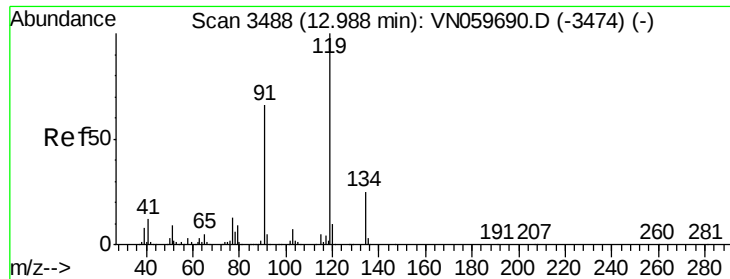
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#82
4-Chlorotoluene
Concen: 51.344 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.3	48.8





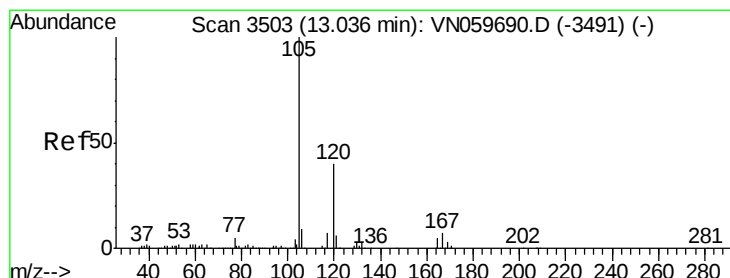
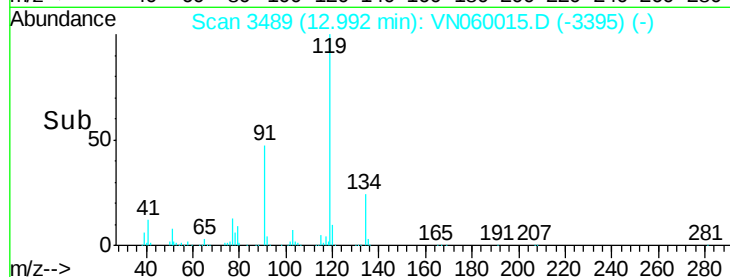
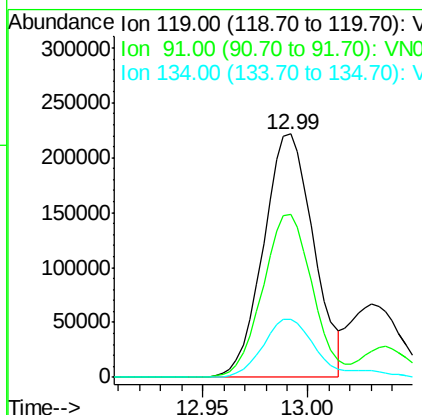
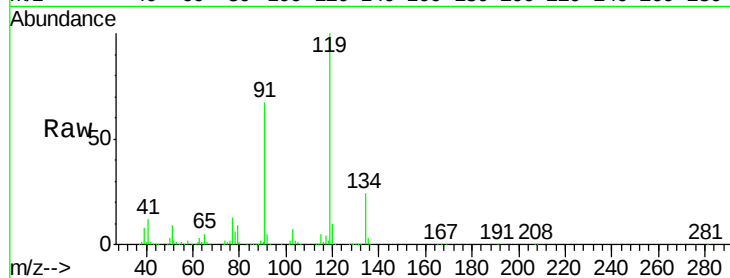
#83
tert-Butylbenzene
Concen: 49.192 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	34.8	104.4
134	26.4	12.3	36.9

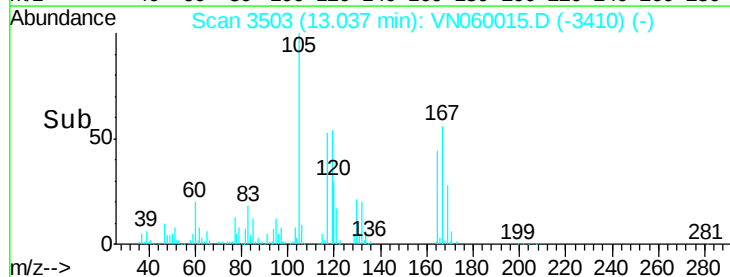
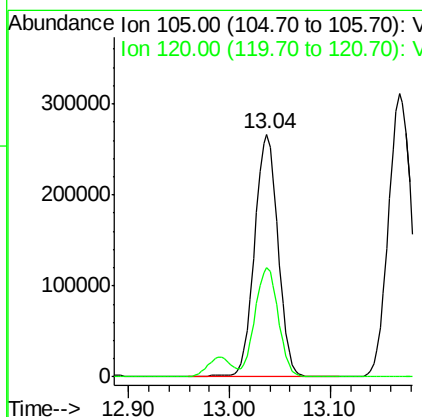
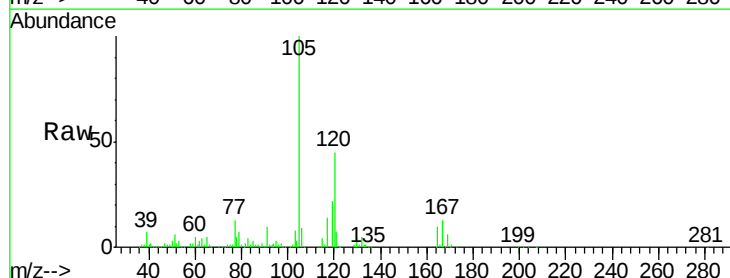
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#84
1,2,4-Trimethylbenzene
Concen: 50.117 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.3	66.9





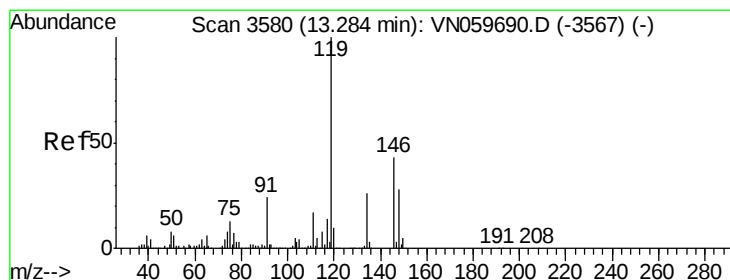
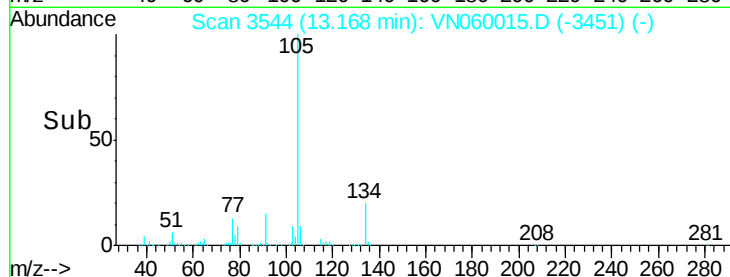
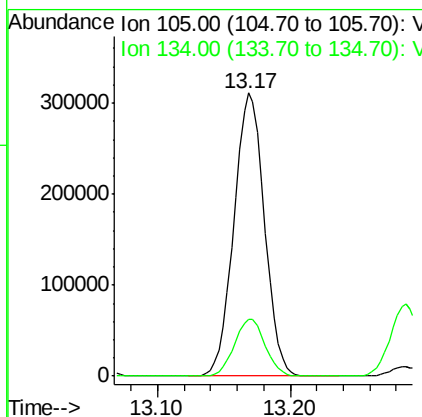
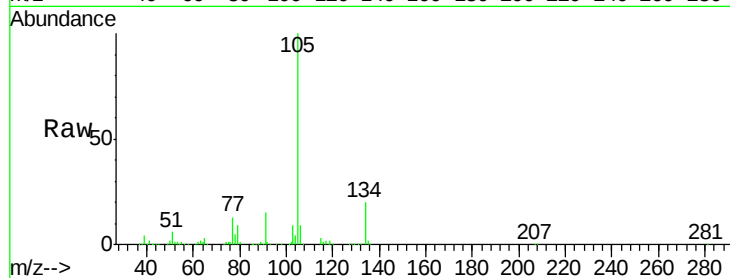
#85
 sec-Butylbenzene
 Concen: 50.671 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	495976		
134	20.3	9.8	29.5	

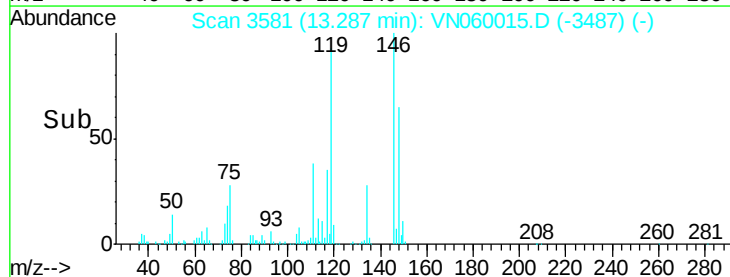
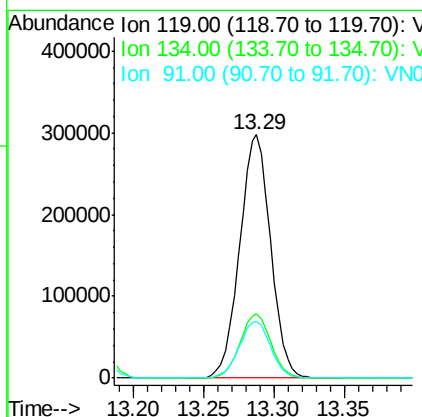
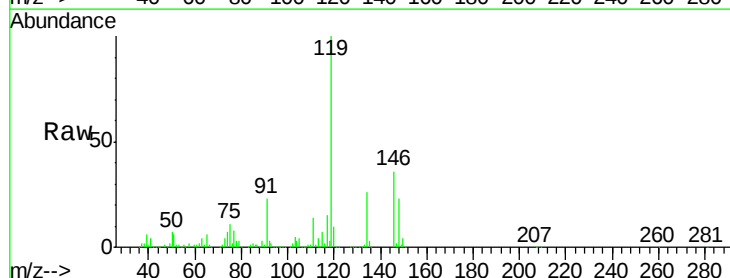
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 50.343 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	455958		
134	26.6	12.9	38.7	
91	23.9	12.4	37.4	





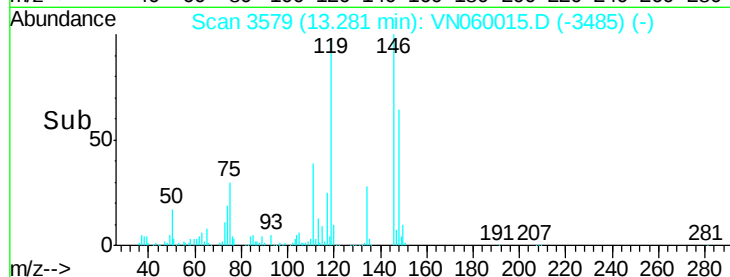
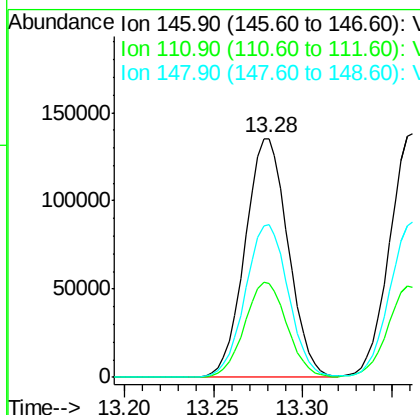
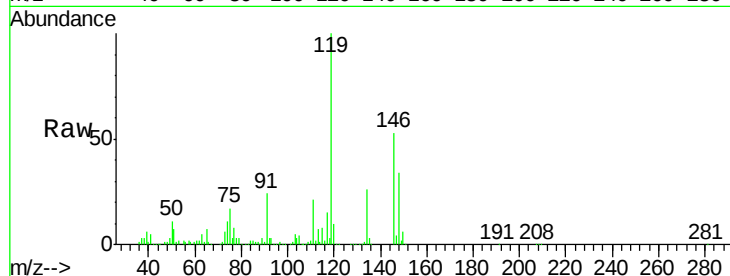
#87
 1,3-Dichlorobenzene
 Concen: 50.682 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.8	62.2
148	64.0	32.0	96.0

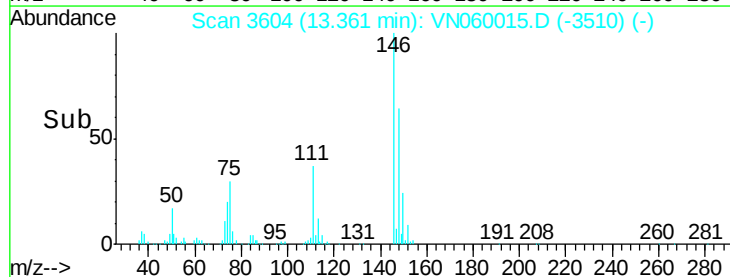
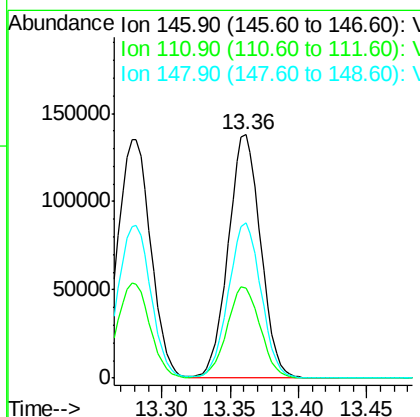
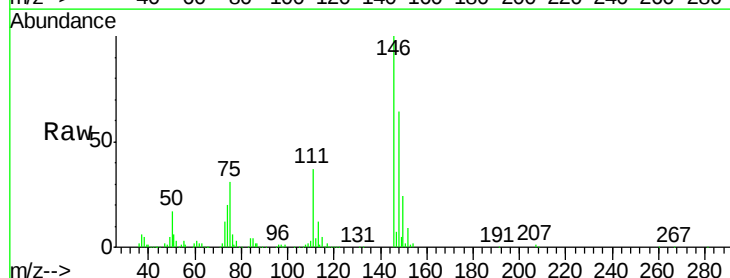
Manual Integrations
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#88
 1,4-Dichlorobenzene
 Concen: 50.665 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	20.8	62.2
148	64.5	31.8	95.4





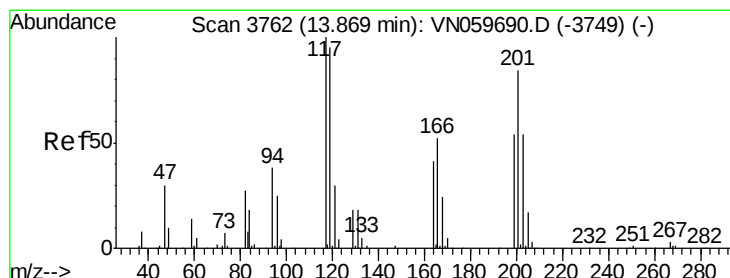
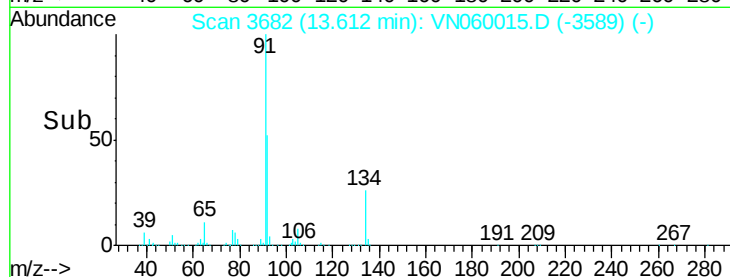
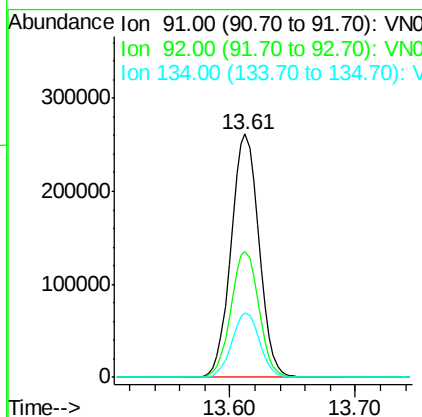
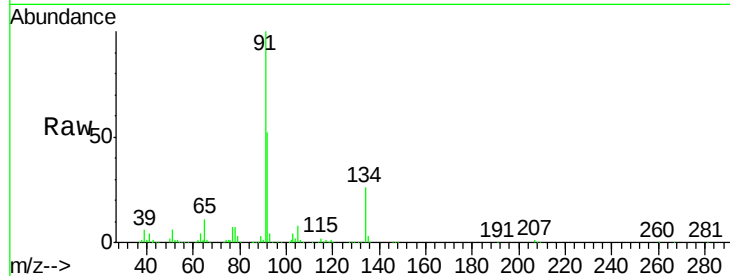
#89
n-Butylbenzene
Concen: 52.355 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	51.8	25.9	77.7	
134	26.4	12.3	36.8	

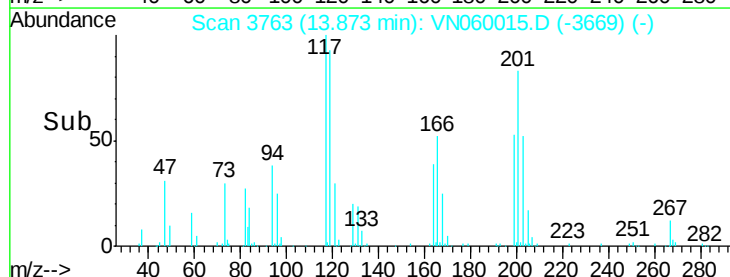
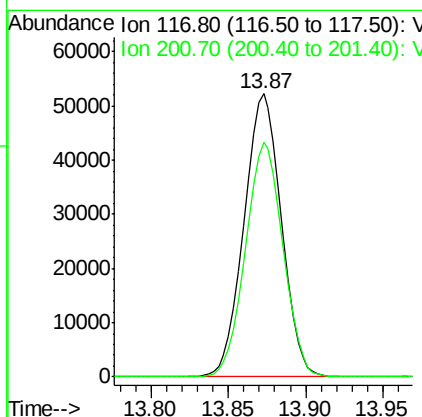
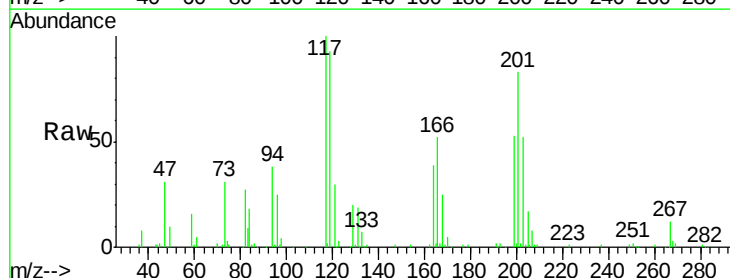
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#90
Hexachloroethane
Concen: 51.931 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060015.D
Acq: 6 Feb 2020 16:46

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	82.8	37.8	113.4	





#91

1,2-Dichlorobenzene

Concen: 49.924 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

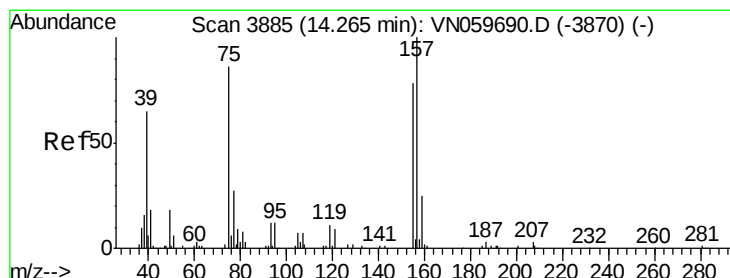
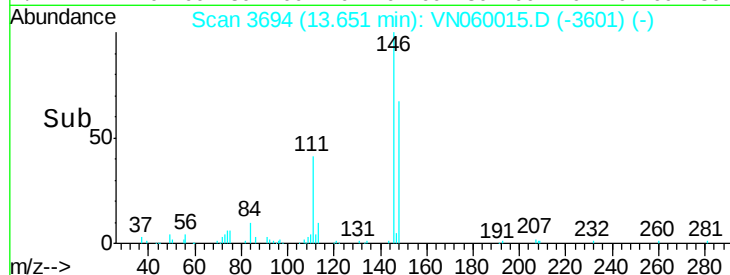
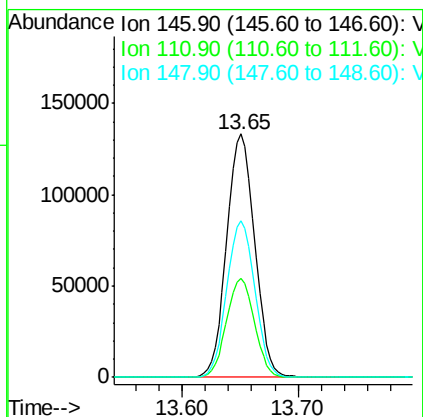
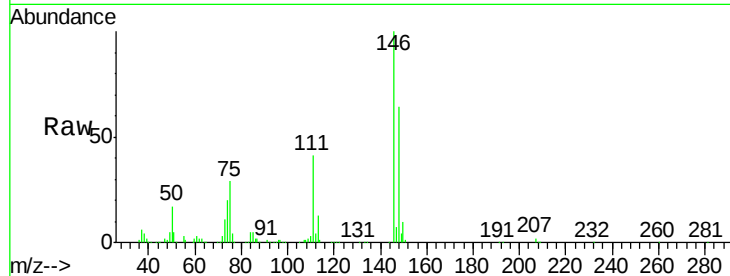
ClientSampleID :

VSTDCCC050EC

Tot Ion:	146	Resp:	222375
Ion Ratio	Lower	Upper	
146	100		
111	40.4	21.6	64.8
148	64.3	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 45.056 ug/l

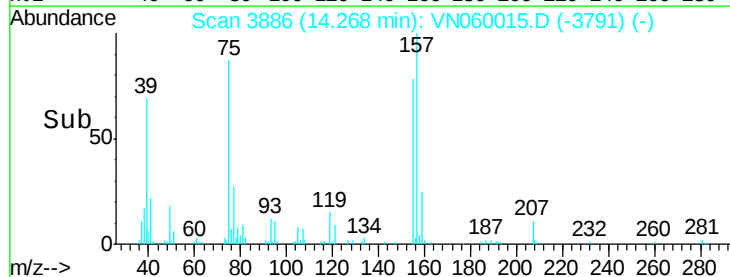
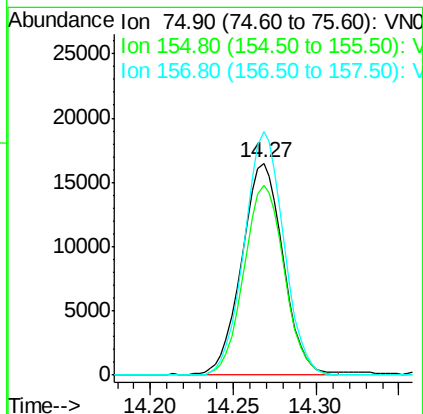
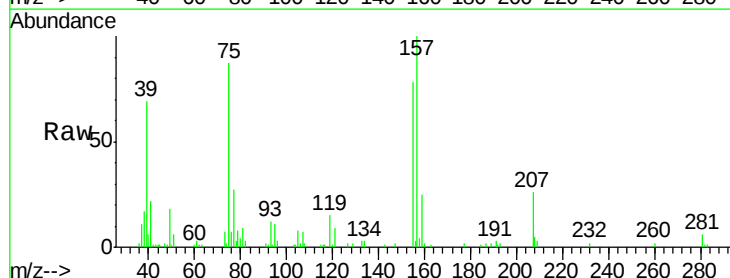
RT: 14.27 min Scan# 3886

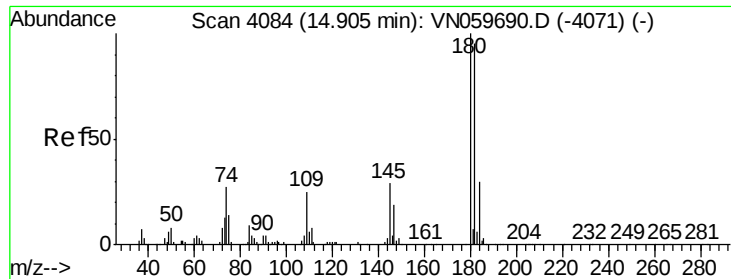
Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Tgt Ion:	75	Resp:	28847
Ion Ratio	Lower	Upper	
75	100		
155	86.5	37.0	110.9
157	108.8	48.4	145.2





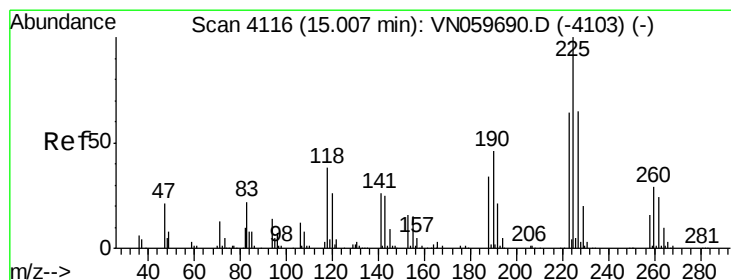
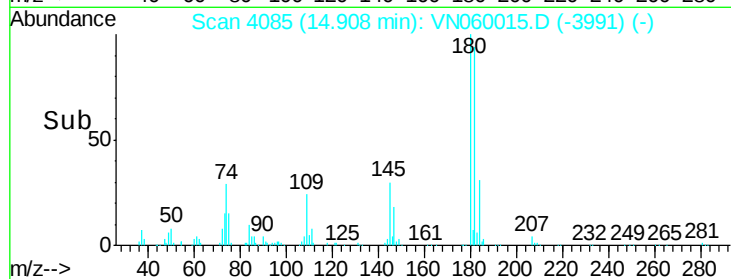
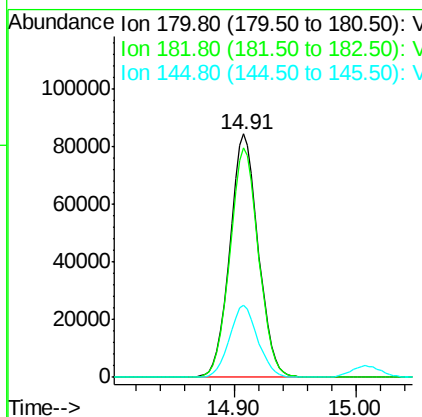
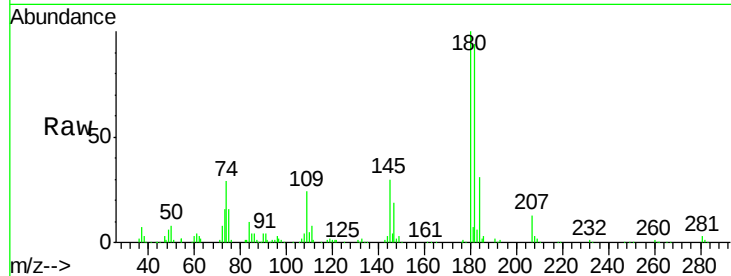
#93
 1,2,4-Trichlorobenzene
 Concen: 51.092 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	136749		
182	95.0	46.9	140.7	
145	29.6	15.0	45.1	

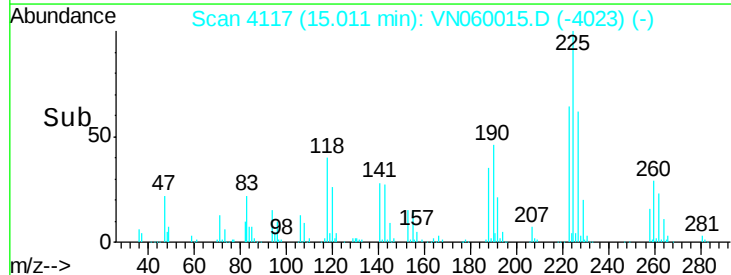
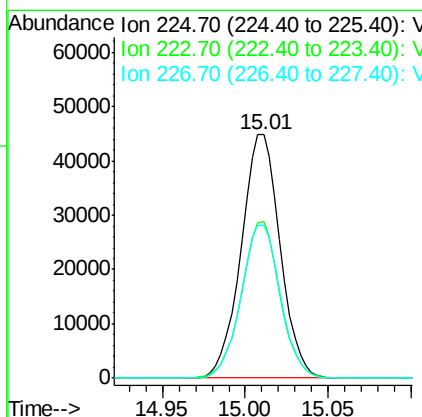
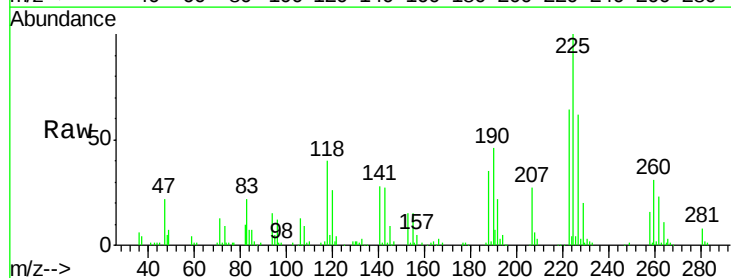
Manual Integrations
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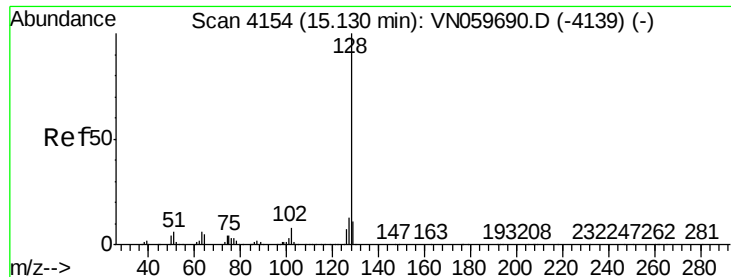
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#94
 Hexachlorobutadiene
 Concen: 49.590 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN060015.D
 Acq: 6 Feb 2020 16:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73141		
223	63.4	31.8	95.3	
227	63.2	32.1	96.5	





#95

Naphthalene

Concen: 46.139 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Instrument :

MSVOA_N

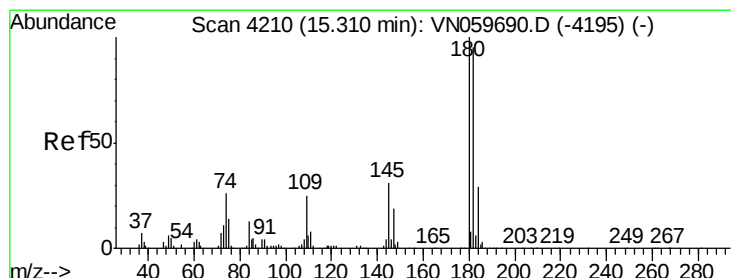
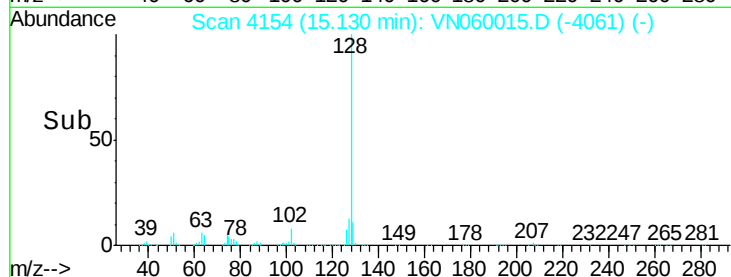
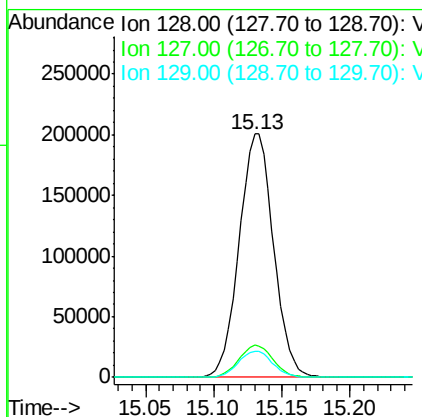
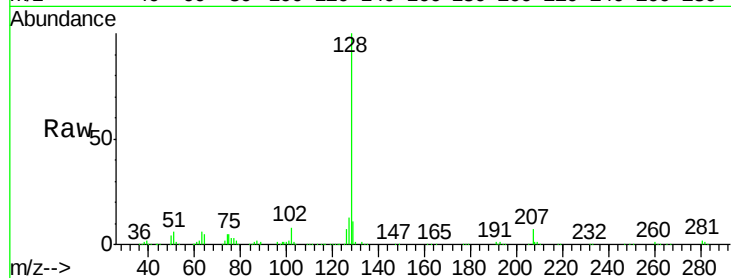
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	351258
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/7/2020 1:44:42 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.126 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN060015.D

Acq: 6 Feb 2020 16:46

Tgt Ion:	180	Resp:	127983
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.4	142.3
145	31.8	16.3	48.9

