

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030620\
 Data File : VN060370.D
 Acq On : 6 Mar 2020 10:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 11:41:26 AM

Quant Time: Mar 07 02:20:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	199251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	323246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300129	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	146123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124917	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
35) Dibromofluoromethane	7.56	113	87702	58.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.90%	
50) Toluene-d8	10.08	98	373810	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
62) 4-Bromofluorobenzene	12.40	95	141752	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	87798	48.060	ug/l	100
3) Chloromethane	2.04	50	152022	47.797	ug/l	99
4) Vinyl Chloride	2.16	62	127937	46.903	ug/l	100
5) Bromomethane	2.54	94	49081	44.435	ug/l	99
6) Chloroethane	2.68	64	70454	47.672	ug/l	95
7) Trichlorofluoromethane	3.00	101	169579	48.659	ug/l	98
8) Diethyl Ether	3.38	74	66905	50.846	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	100678	51.045	ug/l	98
10) Methyl Iodide	3.93	142	92461	51.366	ug/l	100
11) Tert butyl alcohol	4.72	59	89359	235.406	ug/l	100
12) 1,1-Dichloroethene	3.71	96	97605	50.991	ug/l	98
13) Acrolein	3.57	56	119290	336.855	ug/l	99
14) Allyl chloride	4.29	41	170177	48.216	ug/l	92
15) Acrylonitrile	4.94	53	273993	273.845	ug/l	99
16) Acetone	3.78	43	211513	256.210	ug/l	98
17) Carbon Disulfide	4.03	76	249960	49.195	ug/l	99
18) Methyl Acetate	4.28	43	142564	51.747	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	368541	53.027	ug/l	98
20) Methylene Chloride	4.52	84	113875	50.227	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	104753	50.941	ug/l	97
22) Diisopropyl ether	5.91	45	396311	55.434	ug/l	98
23) Vinyl Acetate	5.86	43	1568410	276.078	ug/l	99
24) 1,1-Dichloroethane	5.81	63	216530	53.505	ug/l	99
25) 2-Butanone	6.80	43	368485	276.339	ug/l	100
26) 2,2-Dichloropropane	6.79	77	197386	53.576	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	130277	49.555	ug/l	98
28) Bromochloromethane	7.17	49	84645	50.942	ug/l	96
29) Tetrahydrofuran	7.18	42	247422	266.833	ug/l	99
30) Chloroform	7.34	83	216945	53.850	ug/l	100
31) Cyclohexane	7.63	56	186718	54.178	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	189441	53.073	ug/l	100
36) 1,1-Dichloropropene	7.77	75	159690	51.836	ug/l	99
37) Ethyl Acetate	6.89	43	159996	54.849	ug/l	99
38) Carbon Tetrachloride	7.75	117	156978	52.336	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	180996	49.830	ug/l	97
40) Benzene	8.02	78	475072	52.983	ug/l	100
41) Methacrylonitrile	7.14	41	61846m	45.917	ug/l	
42) 1,2-Dichloroethane	8.10	62	173252	53.545	ug/l	100
43) Isopropyl Acetate	8.14	43	286118	56.027	ug/l	99
44) Trichloroethene	8.82	130	130590	52.294	ug/l	97
45) 1,2-Dichloropropane	9.10	63	131086	55.916	ug/l	99
46) Dibromomethane	9.19	93	80600	52.986	ug/l	99
47) Bromodichloromethane	9.38	83	173376	56.040	ug/l	100
48) Methyl methacrylate	9.18	41	125816	54.027	ug/l	100
49) 1,4-Dioxane	9.18	88	31906	974.272	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	815080	281.504	ug/l	100
52) Toluene	10.14	92	300073	53.276	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	202467	53.409	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	211469	53.834	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	120890	53.372	ug/l	98
56) Ethyl methacrylate	10.42	69	186235	57.231	ug/l	98
57) 1,3-Dichloropropane	10.70	76	203718	55.150	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	520309	305.720	ug/l	99
59) 2-Hexanone	10.74	43	598369	281.465	ug/l	99
60) Dibromochloromethane	10.89	129	130312	56.572	ug/l	100
61) 1,2-Dibromoethane	10.99	107	120568	54.604	ug/l	99
64) Tetrachloroethene	10.62	164	136751	58.099	ug/l	98
65) Chlorobenzene	11.43	112	315050	51.985	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	122474	54.657	ug/l	99
67) Ethyl Benzene	11.50	91	590131	53.471	ug/l	99
68) m/p-Xylenes	11.61	106	440073	105.686	ug/l	99
69) o-Xylene	11.94	106	214311	53.973	ug/l	99
70) Styrene	11.96	104	357307	54.732	ug/l	100
71) Bromoform	12.12	173	93124	57.664	ug/l #	98
73) Isopropylbenzene	12.24	105	576657	53.244	ug/l	99
74) N-amyl acetate	12.06	43	256153	54.125	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	162907	55.335	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	154634m	48.233	ug/l	
77) Bromobenzene	12.52	156	139060	52.380	ug/l	98
78) n-propylbenzene	12.59	91	677303	53.351	ug/l	99
79) 2-Chlorotoluene	12.67	91	393157	52.684	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	485398	53.231	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	66293	57.081	ug/l #	86
82) 4-Chlorotoluene	12.77	91	410209	52.174	ug/l	100
83) tert-Butylbenzene	12.99	119	404202	51.197	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	489379	53.170	ug/l	100
85) sec-Butylbenzene	13.17	105	549957	52.019	ug/l	99
86) p-Isopropyltoluene	13.28	119	498912	50.986	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	252474	55.365	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	249174	54.967	ug/l	100
89) n-Butylbenzene	13.61	91	453406	50.476	ug/l	99
90) Hexachloroethane	13.87	117	72411	51.124	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	240321	51.661	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	33970	50.954	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	152632	51.633	ug/l	99
94) Hexachlorobutadiene	15.01	225	73472	54.119	ug/l	99
95) Naphthalene	15.13	128	439675	50.502	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	142630	51.240	ug/l	100

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

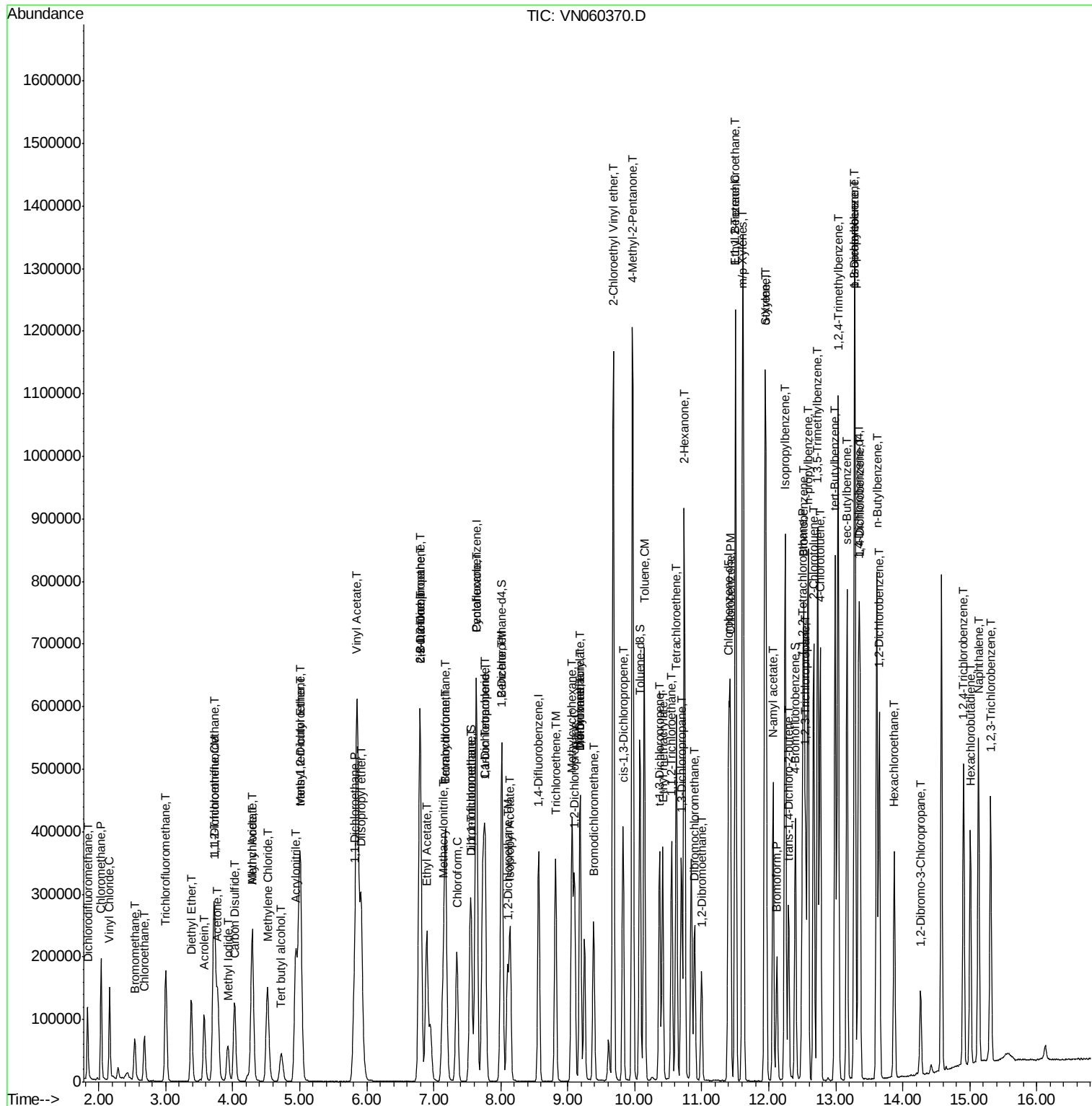
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 199251

Ion Ratio Lower Upper

168 100

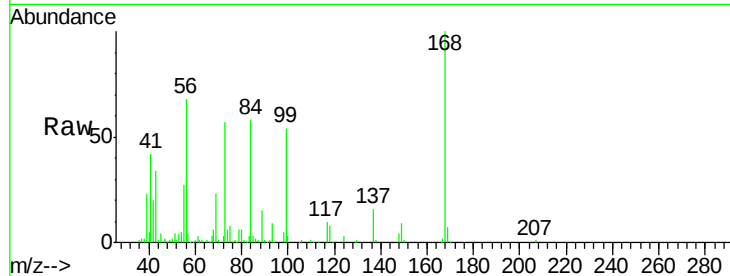
99 54.4 44.7 67.1

Manual Integrations

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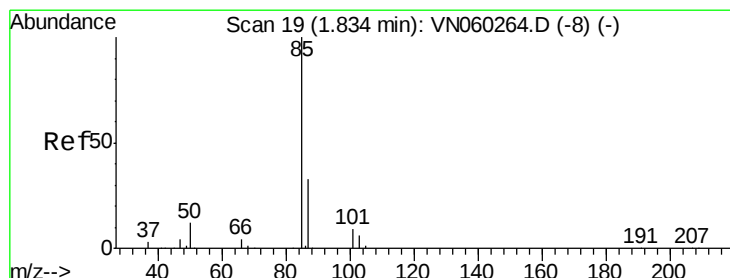
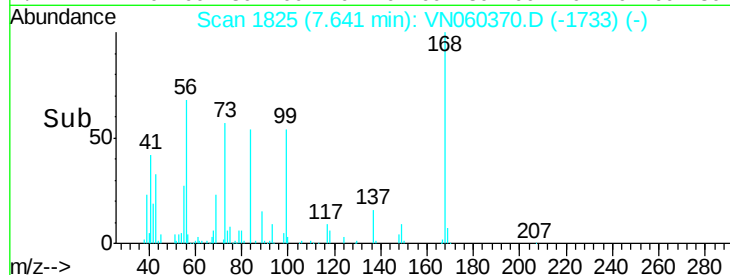
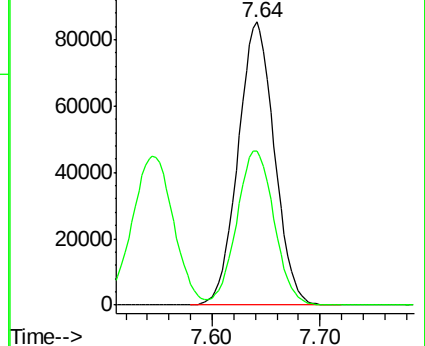
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 48.060 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060370.D

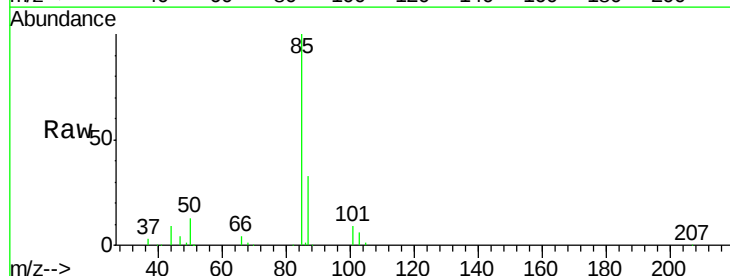
Acq: 6 Mar 2020 10:38

Tgt Ion: 85 Resp: 87798

Ion Ratio Lower Upper

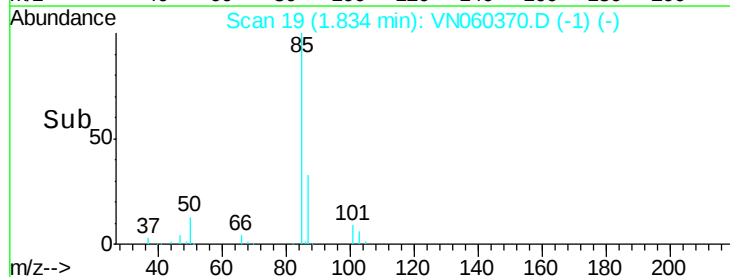
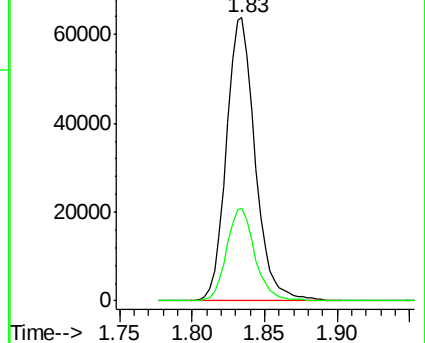
85 100

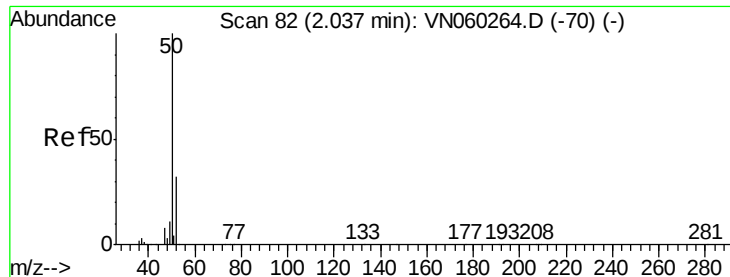
87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 47.797 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 50 Resp: 152022

Ion Ratio Lower Upper

50 100

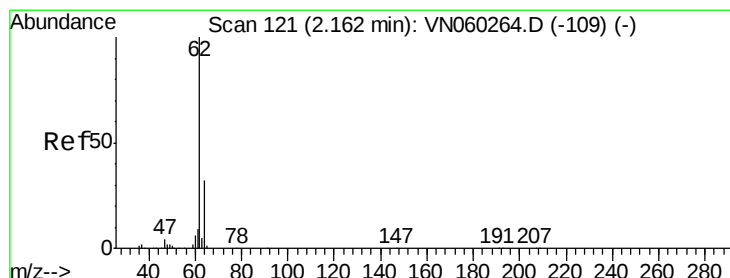
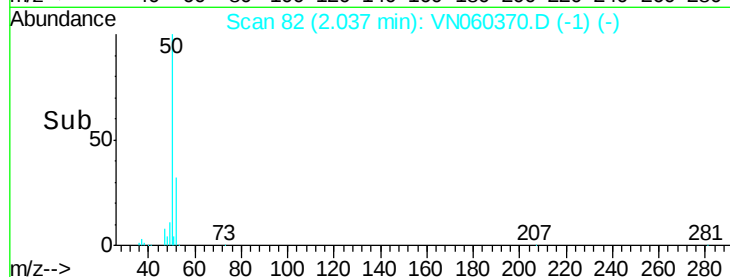
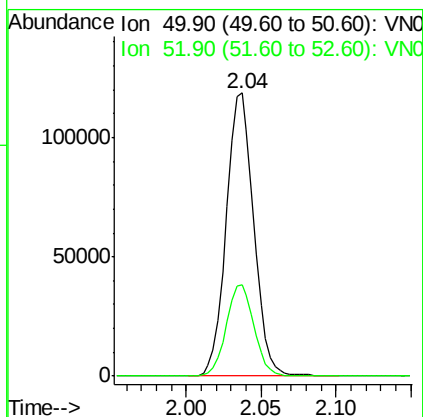
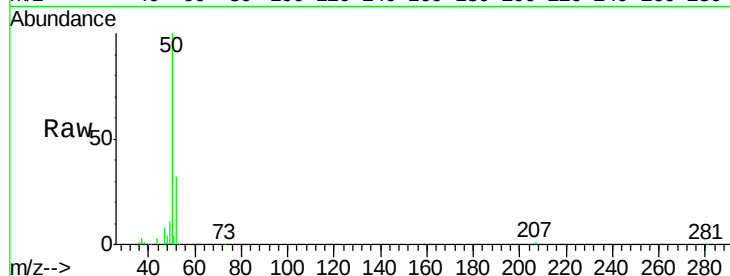
52 32.3 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.903 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060370.D

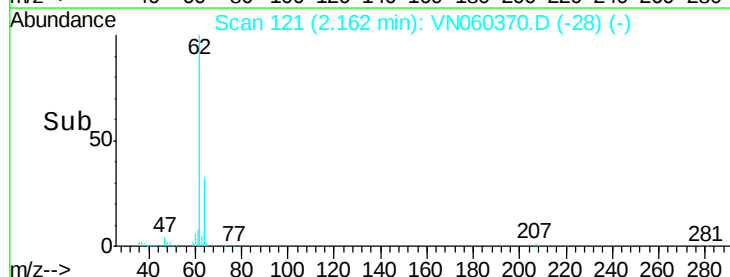
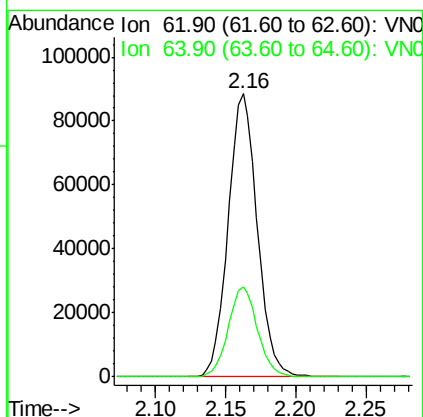
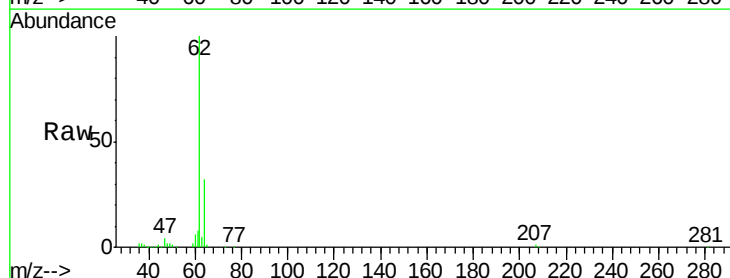
Acq: 6 Mar 2020 10:38

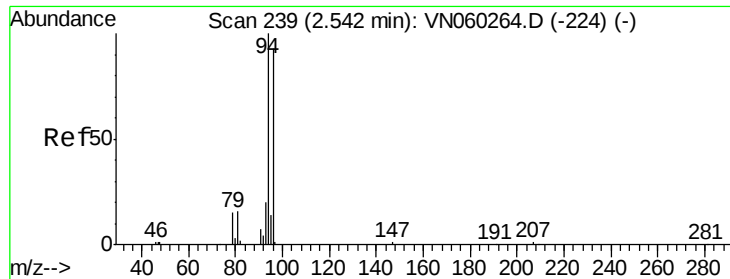
Tgt Ion: 62 Resp: 127937

Ion Ratio Lower Upper

62 100

64 31.9 25.5 38.3





#5

Bromomethane

Concen: 44.435 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 94 Resp: 49081

Ion Ratio Lower Upper

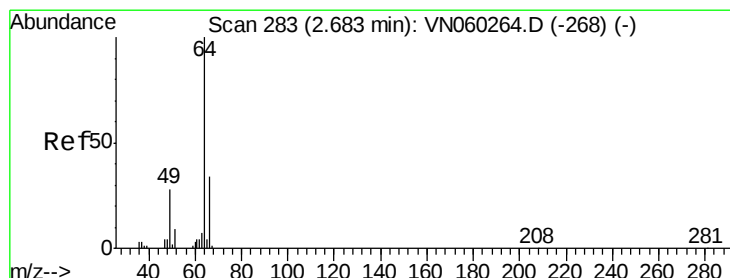
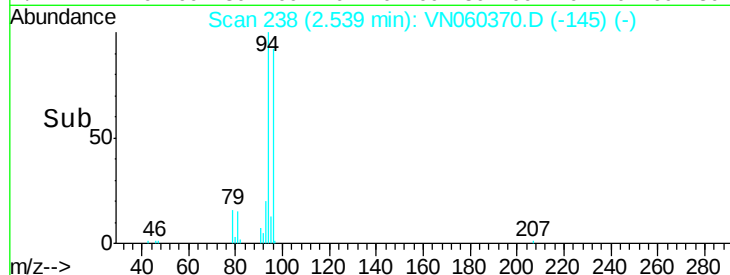
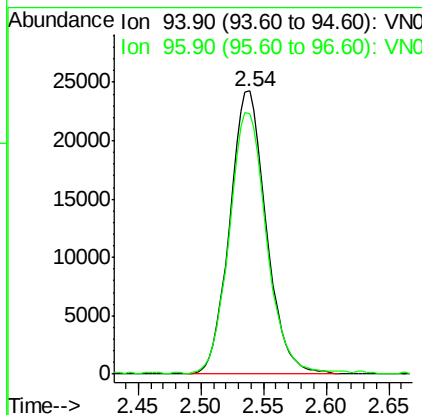
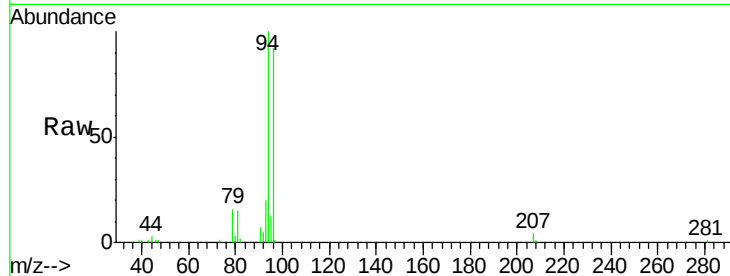
94 100

96 92.2 74.3 111.5

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#6

Chloroethane

Concen: 47.672 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060370.D

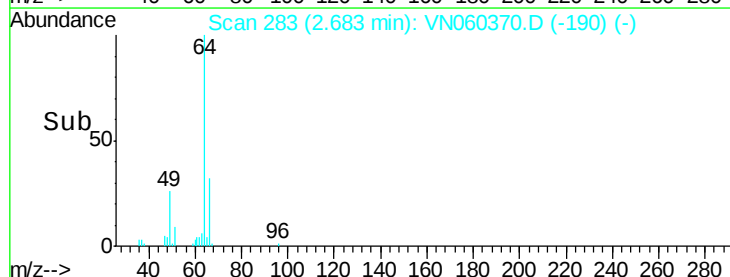
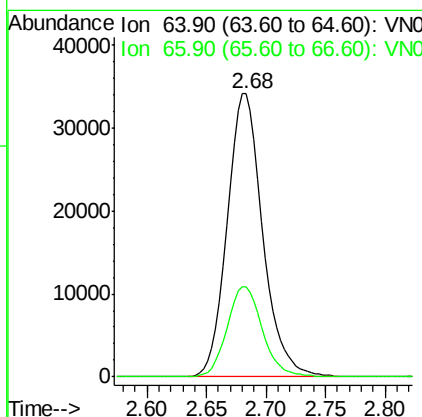
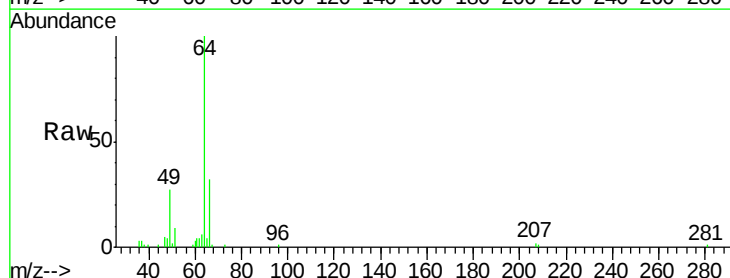
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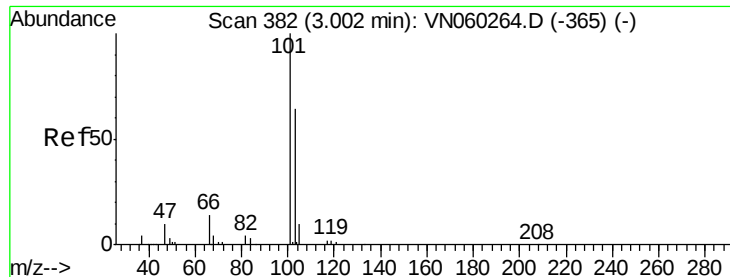
Tgt Ion: 64 Resp: 70454

Ion Ratio Lower Upper

64 100

66 31.6 27.4 41.2





#7

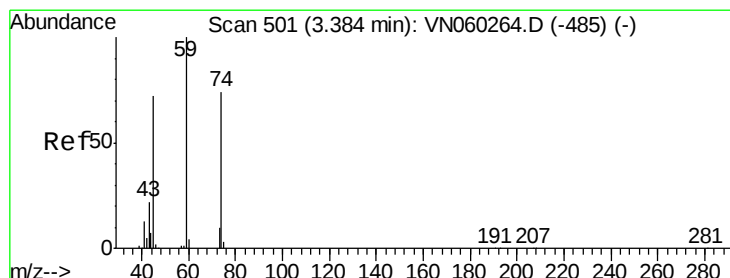
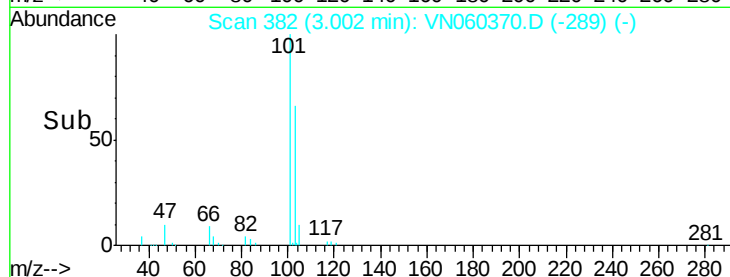
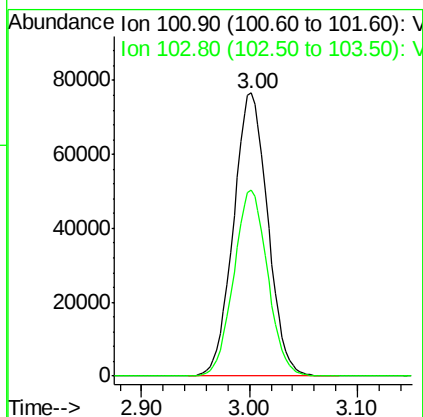
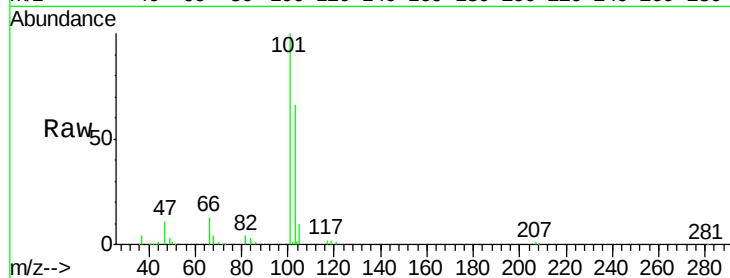
Trichlorofluoromethane
Concen: 48.659 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.3	76.9

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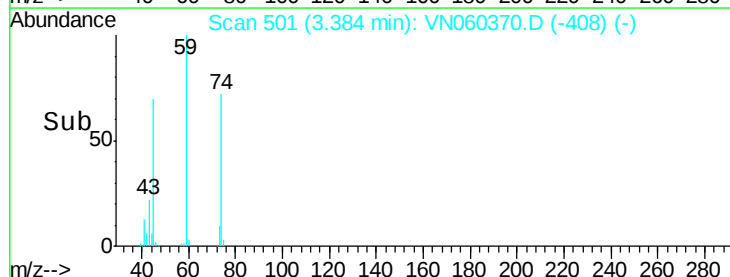
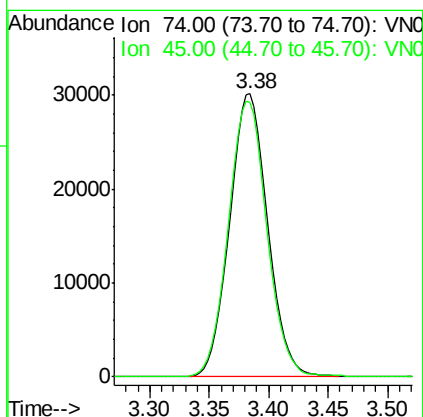
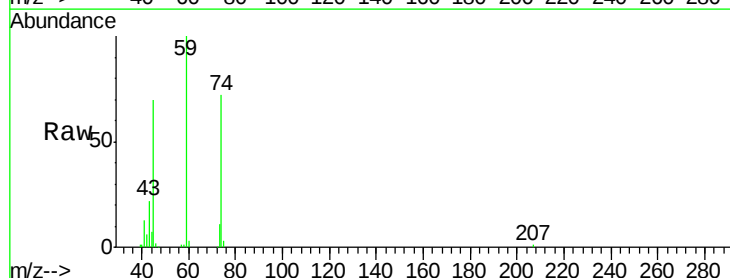
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3/9/2020 11:41:26 AM



#8

Diethyl Ether
Concen: 50.846 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060370.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.5	49.5	148.7





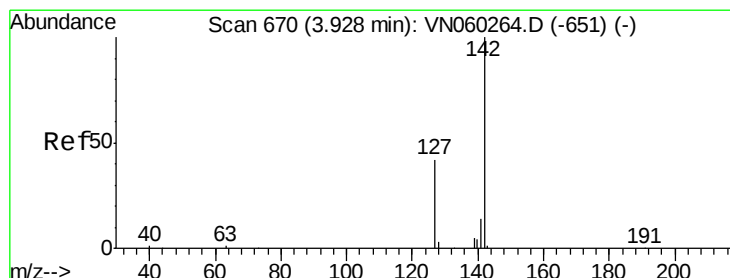
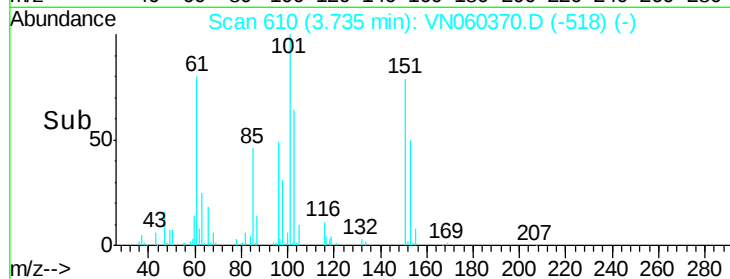
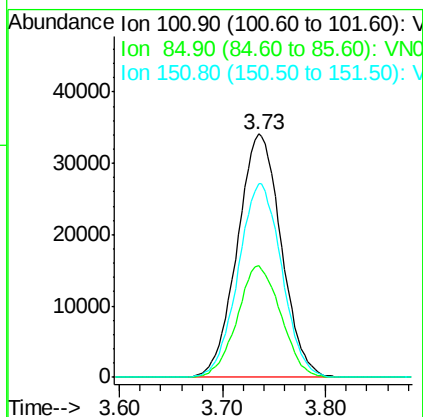
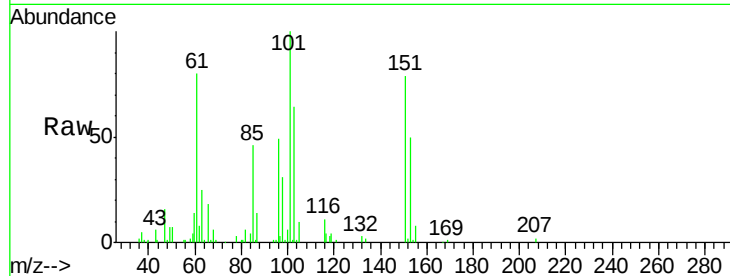
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.045 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	100678		
85	45.5	35.4	53.2	
151	79.1	62.0	93.0	

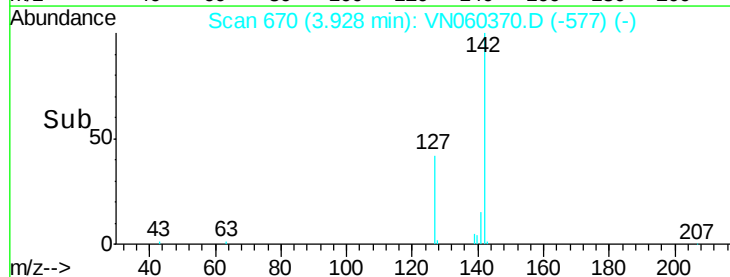
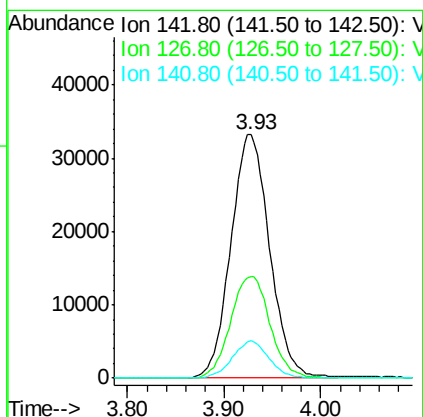
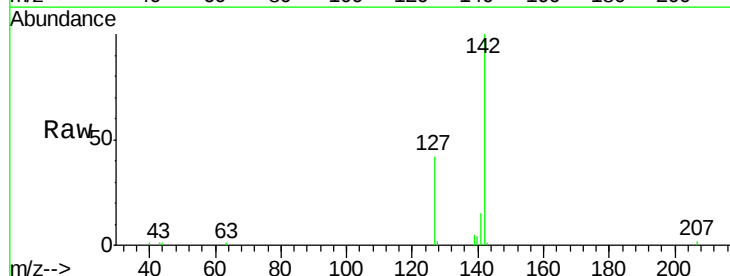
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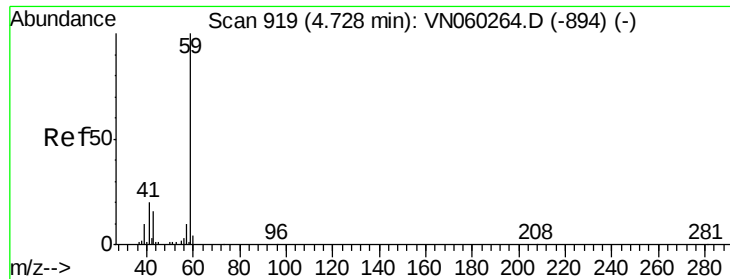
MMDadoda
 3/9/2020 11:41:26 AM



#10
 Methyl Iodide
 Concen: 51.366 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	92461		
127	42.3	33.8	50.6	
141	14.3	11.1	16.7	





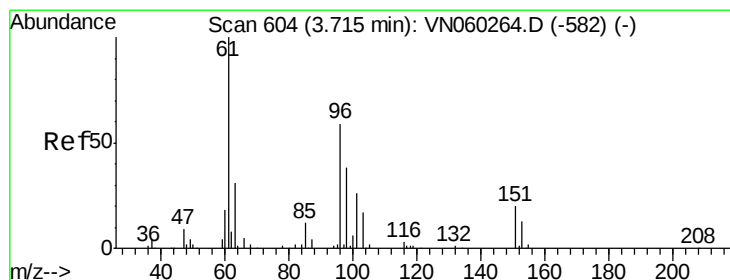
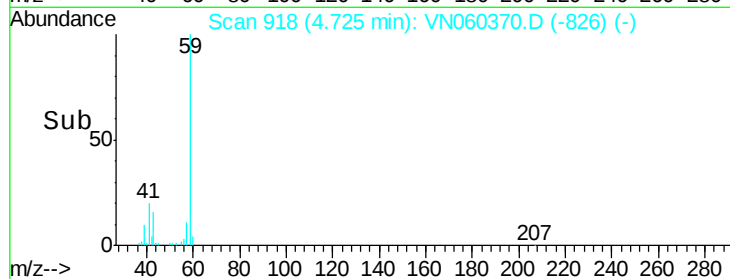
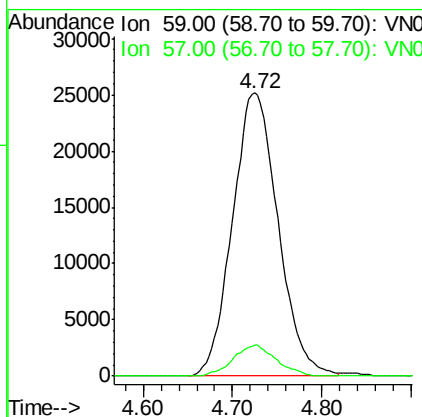
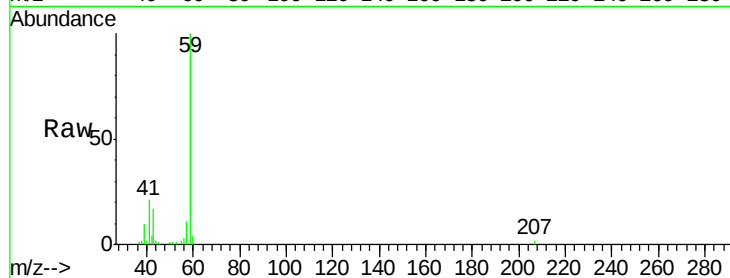
#11
Tert butyl alcohol
Concen: 235.406 ug/l
RT: 4.72 min Scan# 918
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

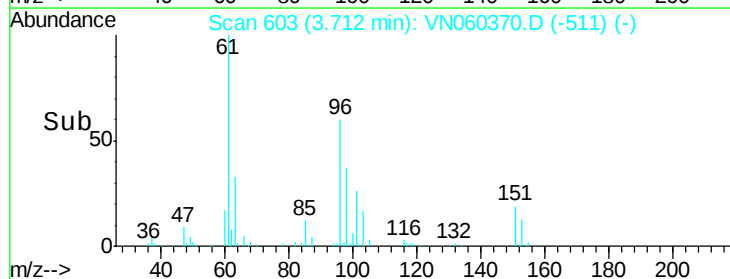
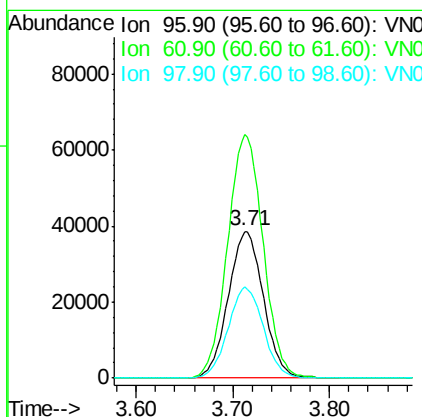
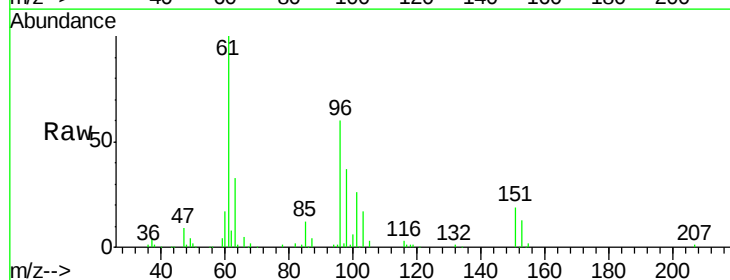
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3/9/2020 11:41:26 AM



#12
1,1-Dichloroethene
Concen: 50.991 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	135.4	203.0
98	62.1	51.6	77.4





#13

Acrolein

Concen: 336.855 ug/l

RT: 3.57 min Scan# 560

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 56 Resp: 119290

Ion Ratio Lower Upper

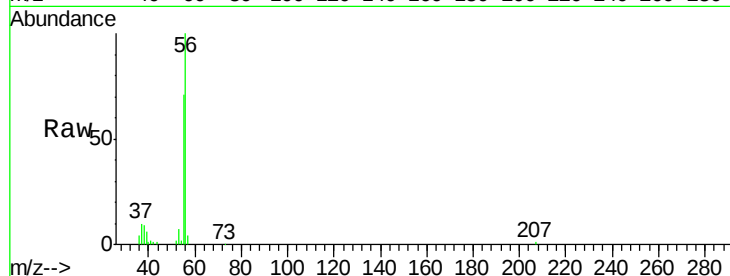
56 100

55 71.2 57.4 86.0

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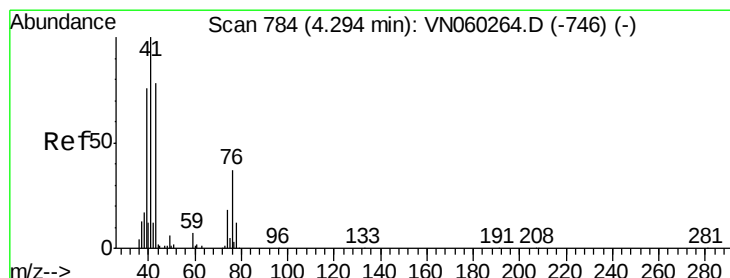
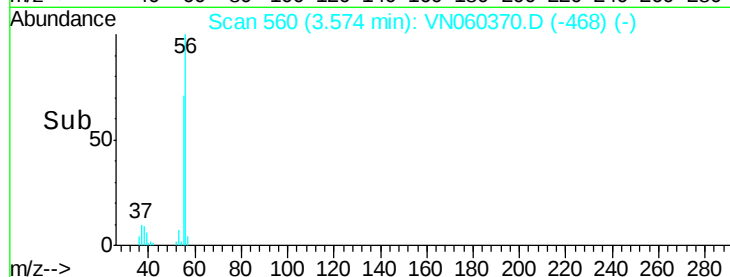
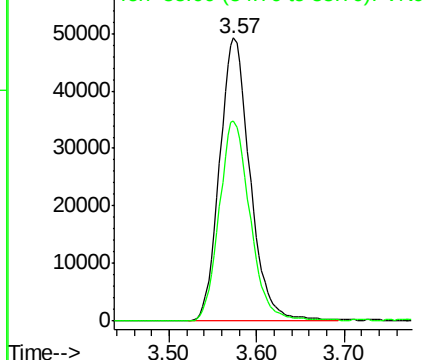
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 48.216 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

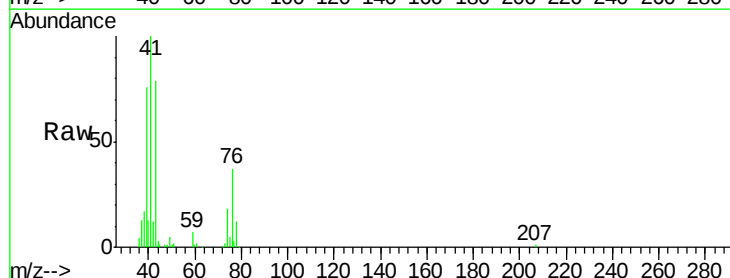
Tgt Ion: 41 Resp: 170177

Ion Ratio Lower Upper

41 100

39 76.7 55.4 83.2

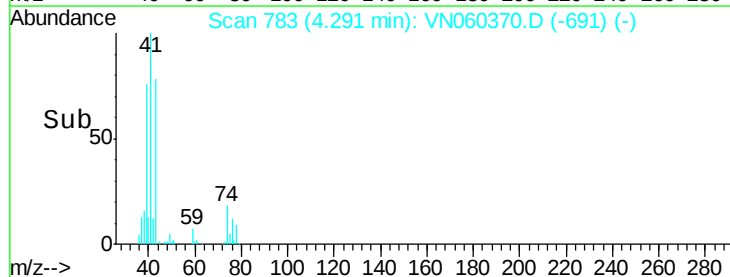
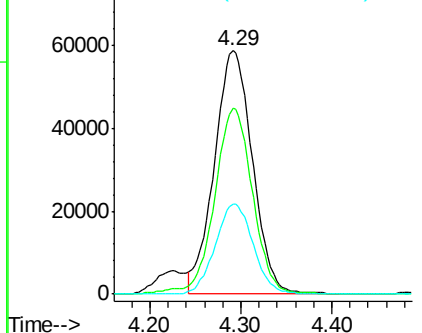
76 36.8 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 273.845 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

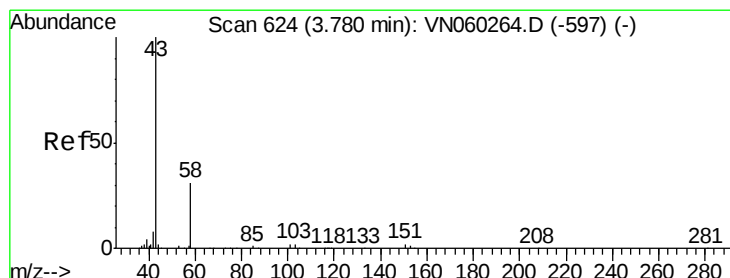
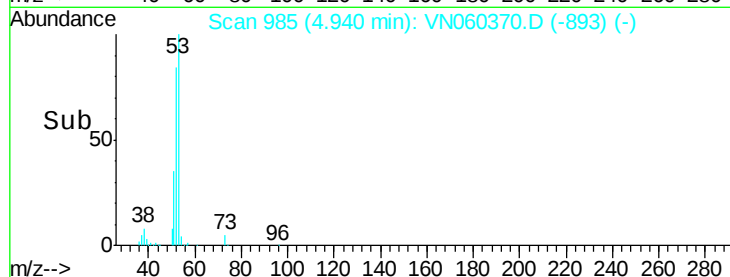
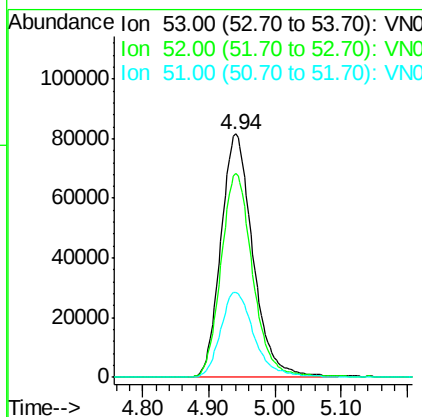
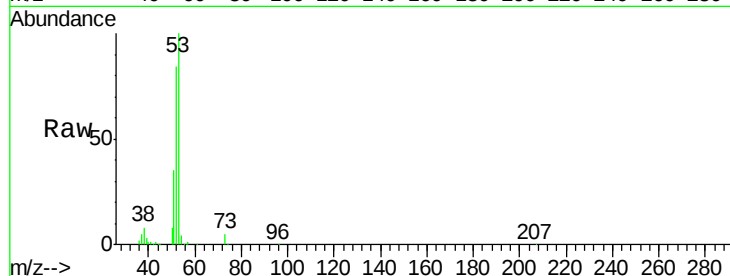
ClientSampled :

VSTDCCC050

Tot Ion:	53	Resp:	273993
Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.8	100.2
51	36.7	29.0	43.6

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#16

Acetone

Concen: 256.210 ug/l

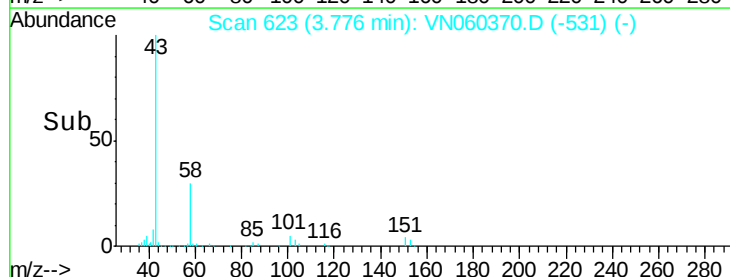
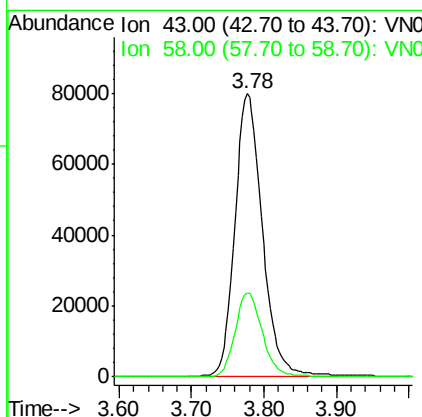
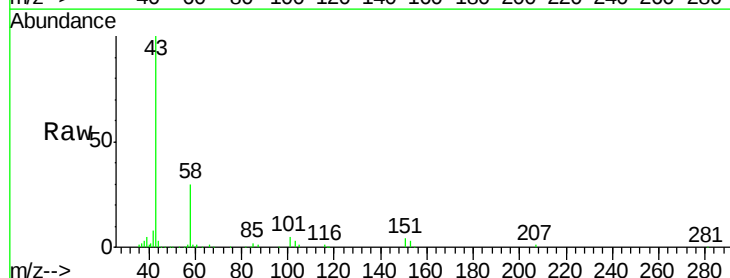
RT: 3.78 min Scan# 623

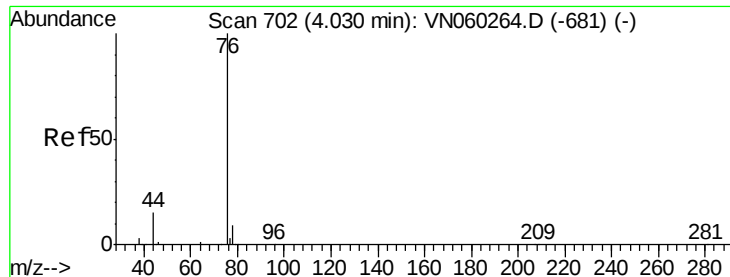
Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Tgt Ion:	43	Resp:	211513
Ion	Ratio	Lower	Upper
43	100		
58	29.6	24.6	36.8





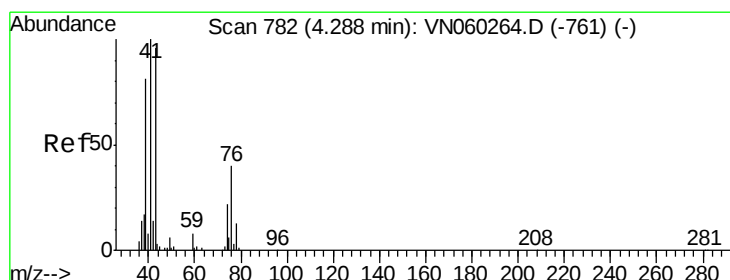
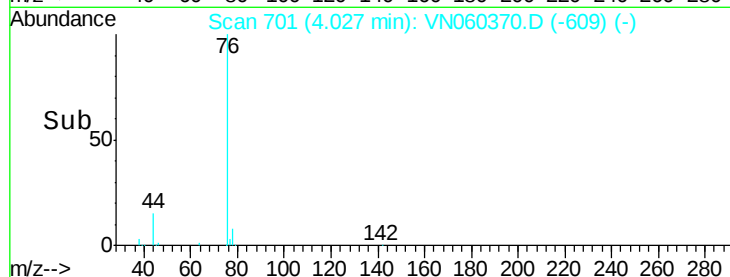
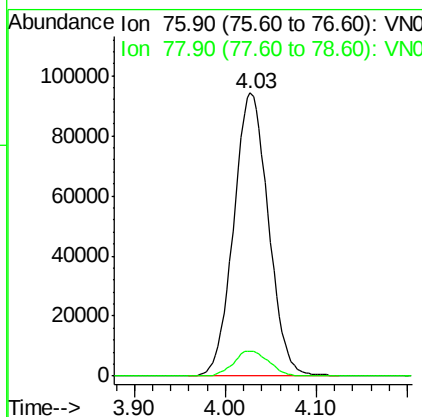
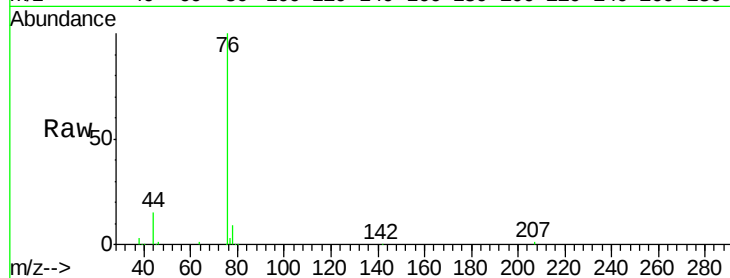
#17
Carbon Disulfide
Concen: 49.195 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

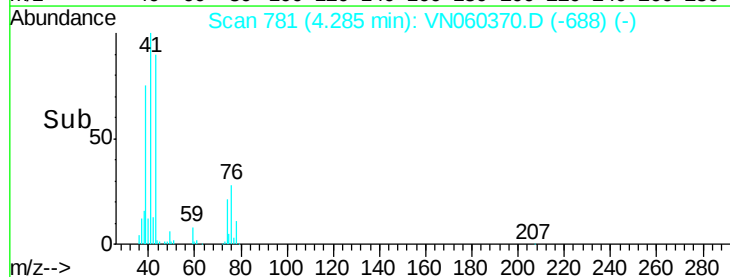
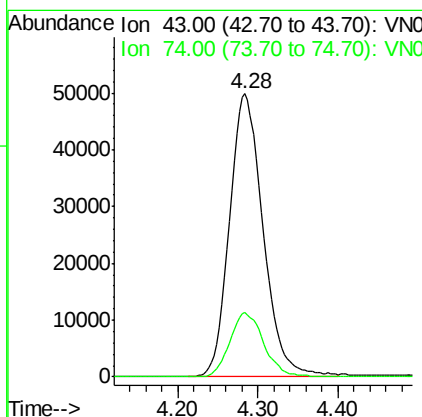
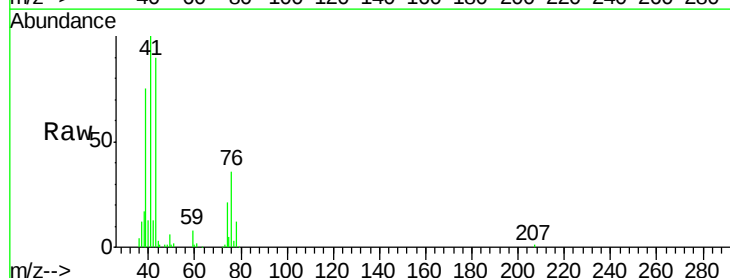
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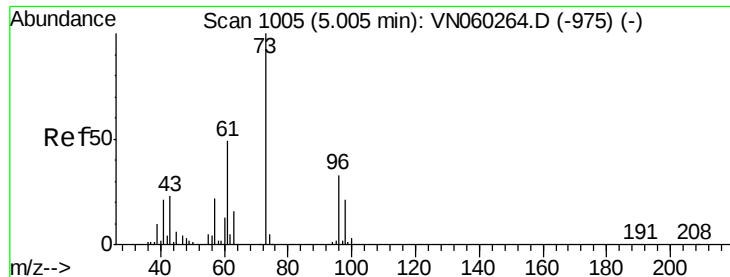
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#18
Methyl Acetate
Concen: 51.747 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.8	28.2





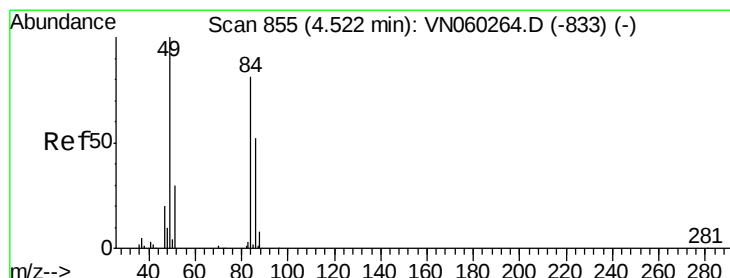
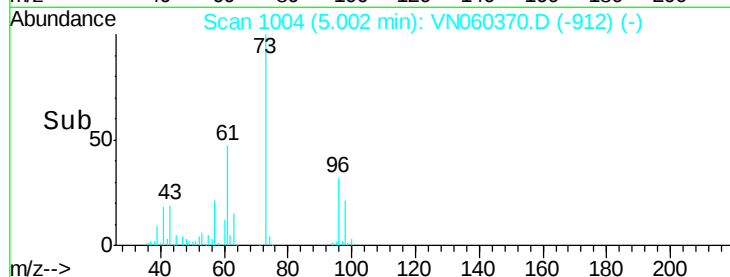
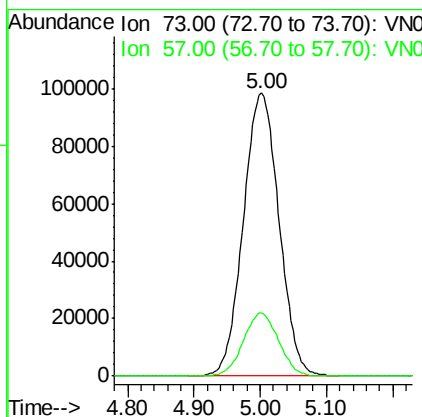
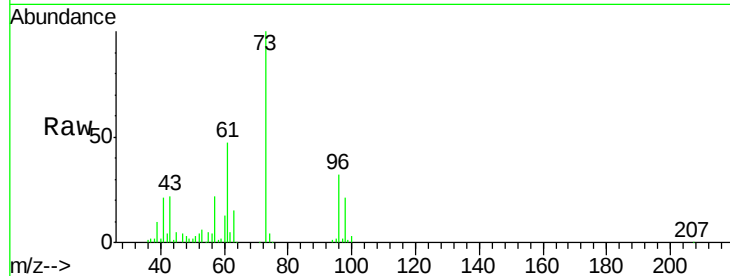
#19
Methvl tert-butvl Ether
Concen: 53.027 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 368541
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9

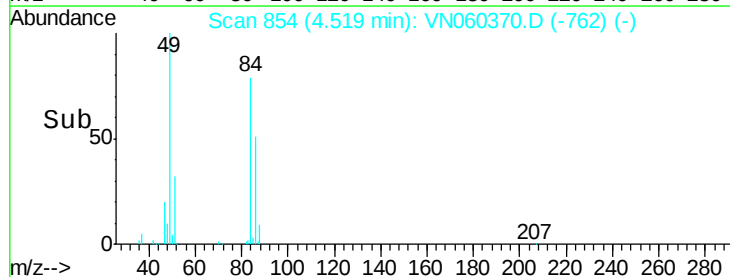
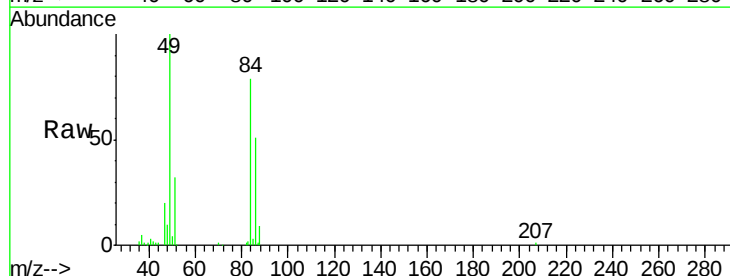
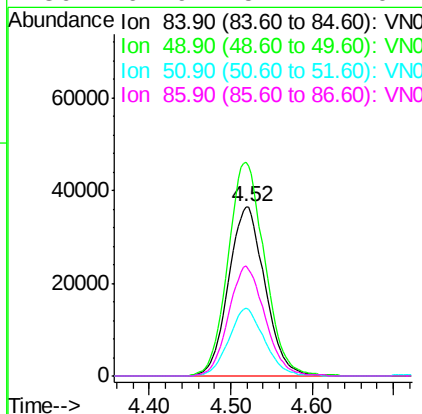
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#20
Methylene Chloride
Concen: 50.227 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion: 84 Resp: 113875
Ion Ratio Lower Upper
84 100
49 126.4 99.3 148.9
51 40.2 30.1 45.1
86 64.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 50.941 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

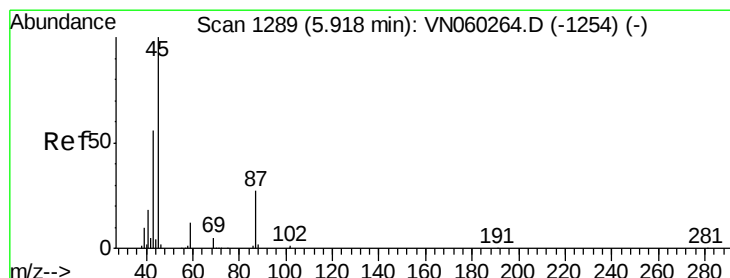
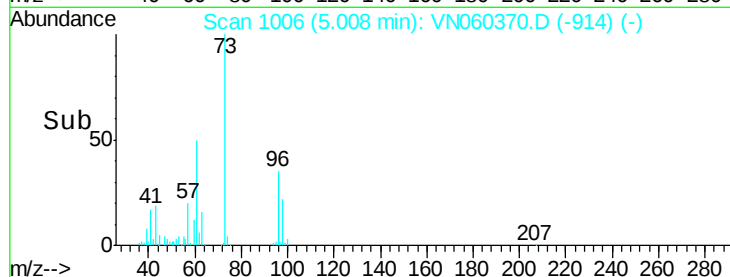
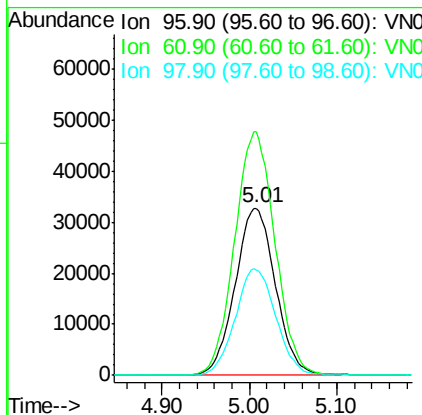
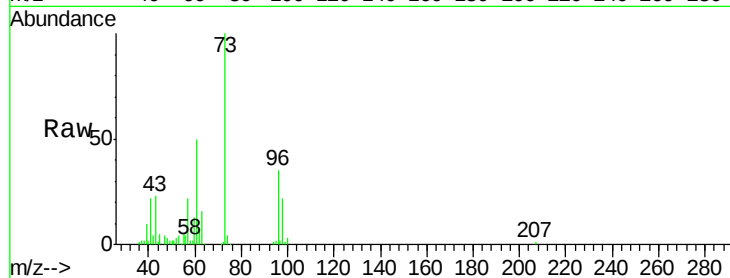
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	104753
Ion	Ratio	Lower	Upper
96	100		
61	145.7	113.8	170.8
98	63.1	48.8	73.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.434 ug/l

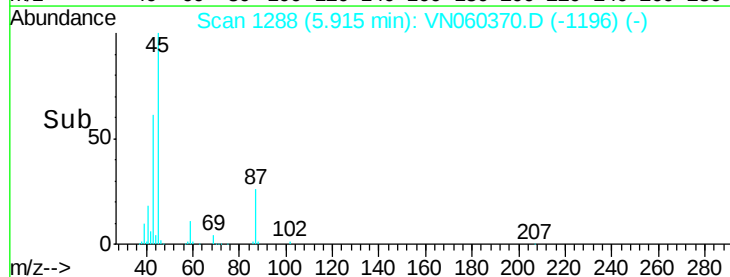
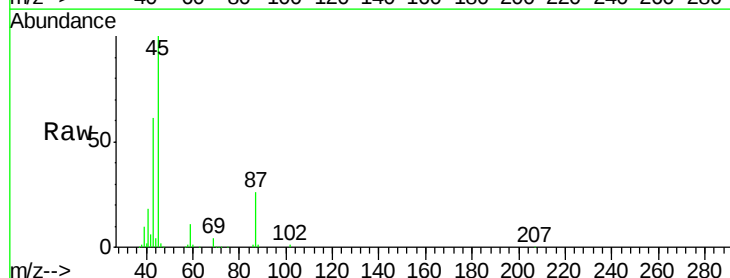
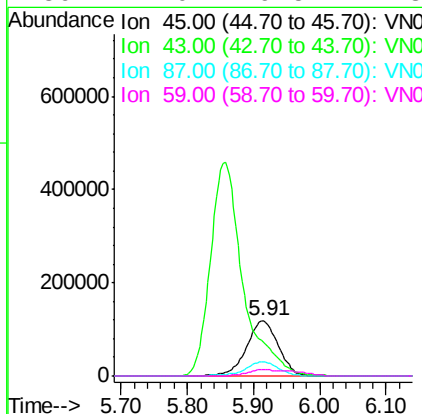
RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Tgt Ion:	45	Resp:	396311
Ion	Ratio	Lower	Upper
45	100		
43	59.6	48.6	72.8
87	26.2	22.2	33.2
59	11.0	9.5	14.3





#23

Vinyl Acetate

Concen: 276.078 ug/l

RT: 5.86 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1568410

Ion Ratio Lower Upper

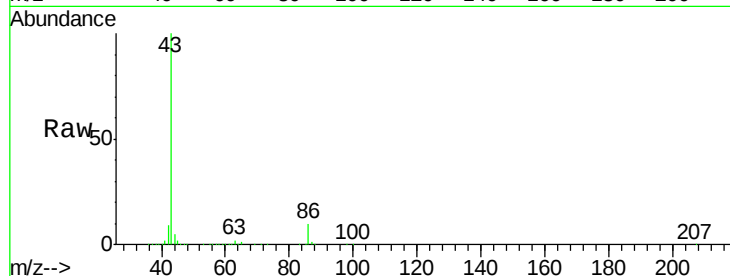
43 100

86 9.7 8.0 12.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.86

500000

400000

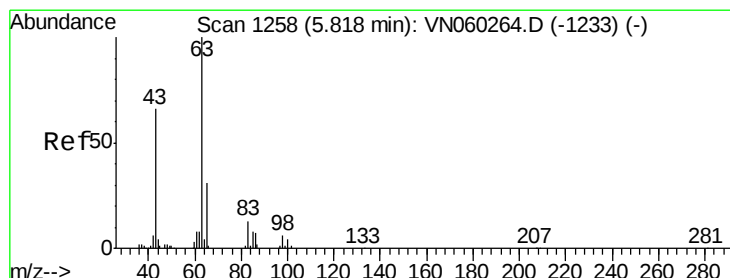
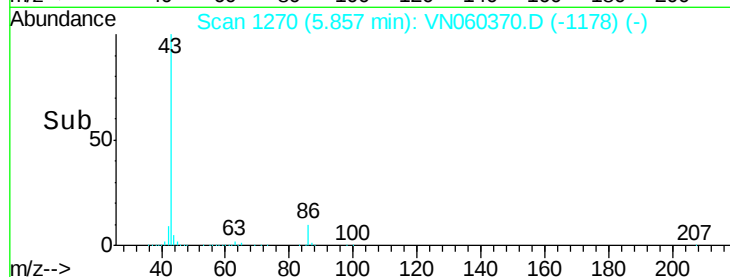
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.505 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

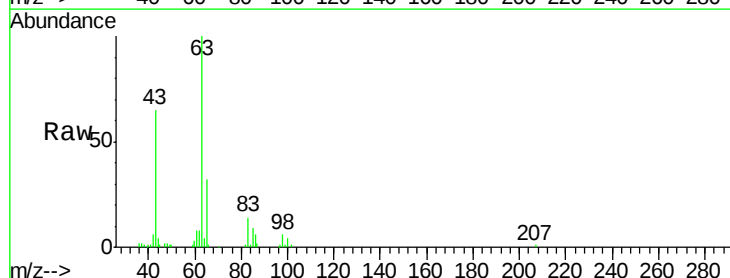
Tgt Ion: 63 Resp: 216530

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

100 4.1 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

80000

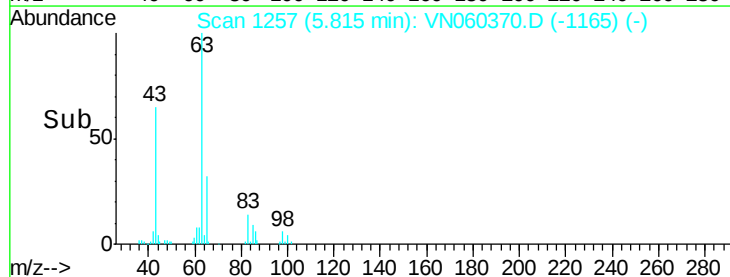
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 276.339 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 368485

Ion Ratio Lower Upper

43 100

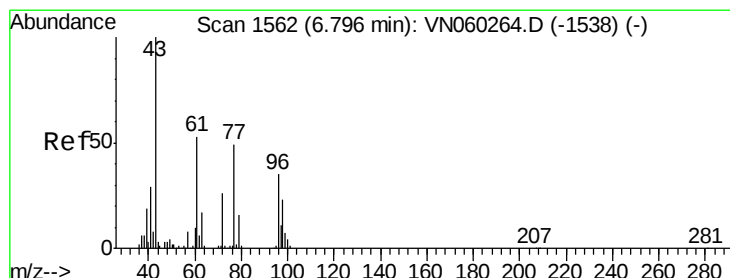
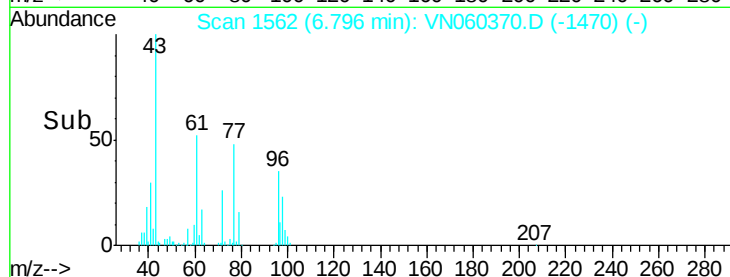
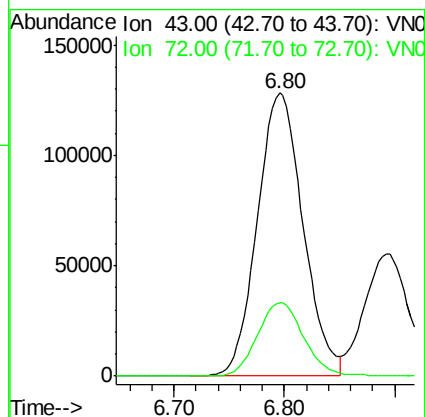
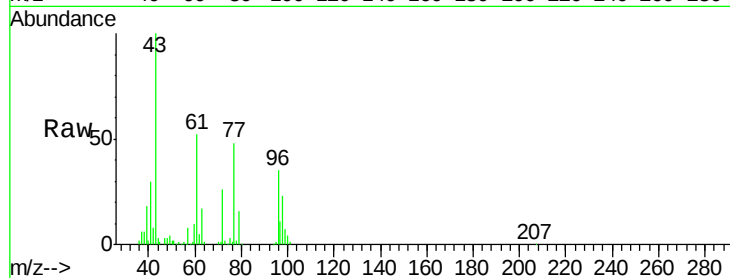
72 26.1 20.9 31.3

Manual Integrations

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3/9/2020 11:41:26 AM



#26

2,2-Dichloropropane

Concen: 53.576 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN060370.D

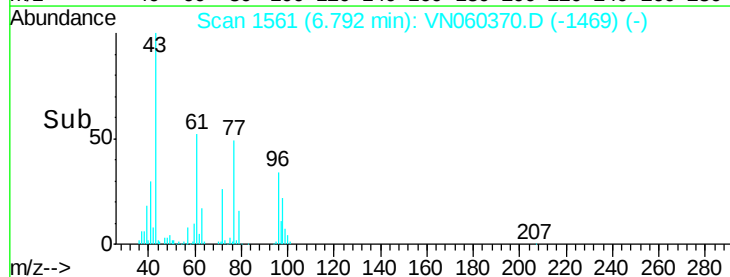
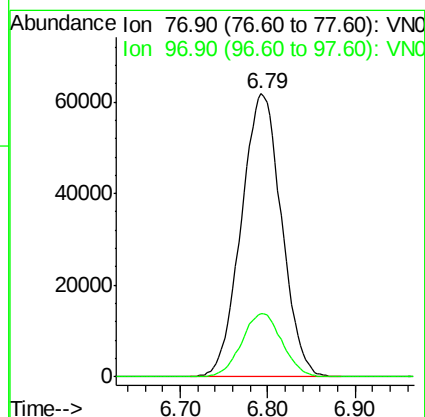
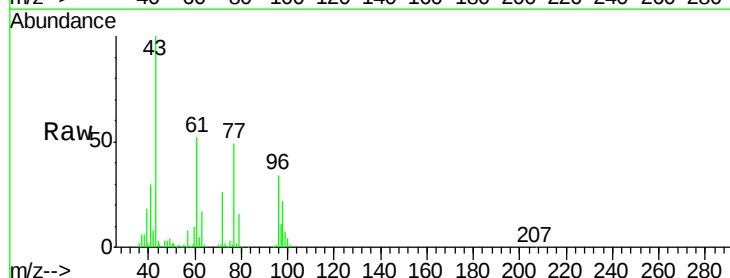
Acq: 6 Mar 2020 10:38

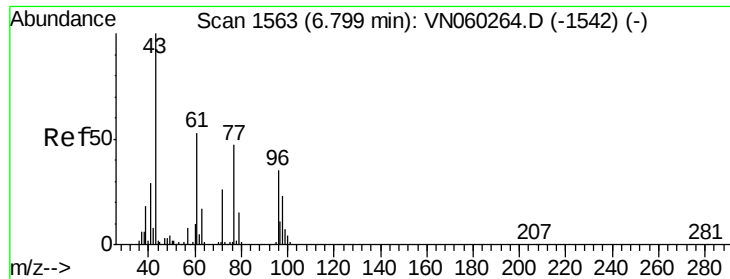
Tgt Ion: 77 Resp: 197386

Ion Ratio Lower Upper

77 100

97 22.4 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 49.555 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

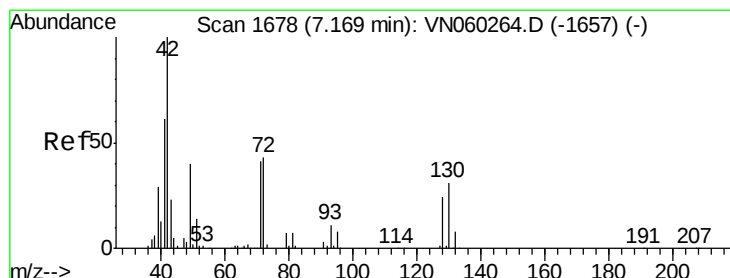
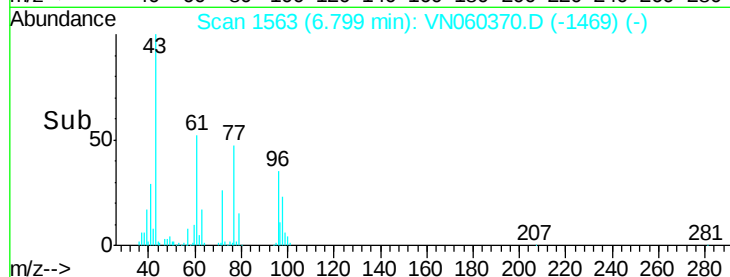
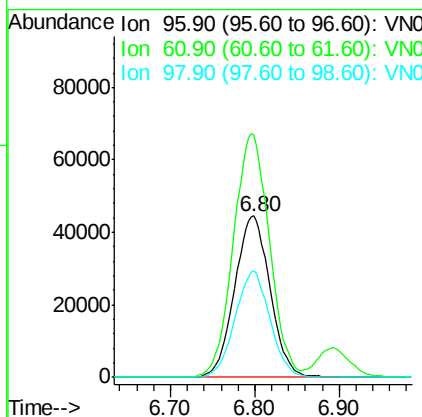
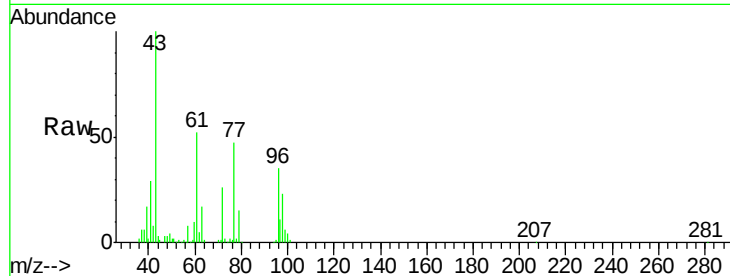
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	130277
Ion	Ratio	Lower	Upper
96	100		
61	153.5	0.0	300.8
98	64.7	0.0	128.2

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#28

Bromochloromethane

Concen: 50.942 ug/l

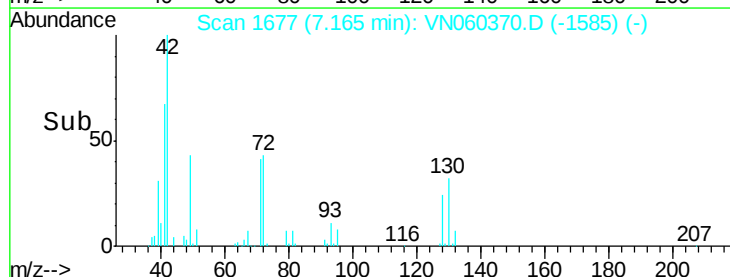
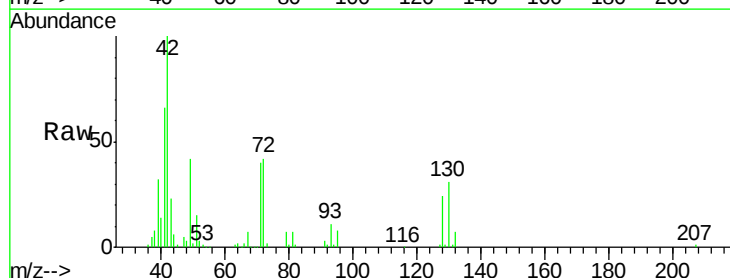
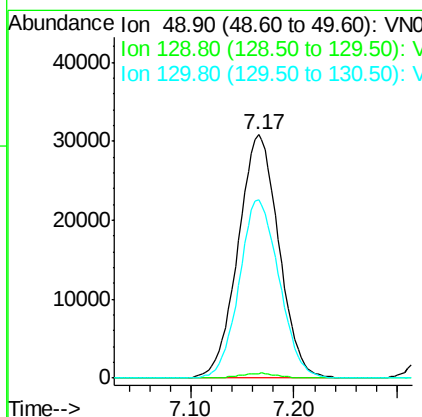
RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Tgt Ion:	49	Resp:	84645
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.8
130	71.6	59.8	89.8





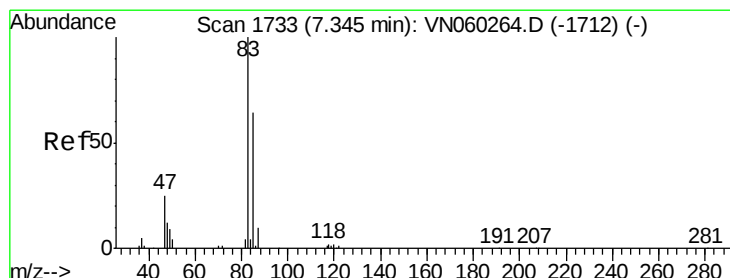
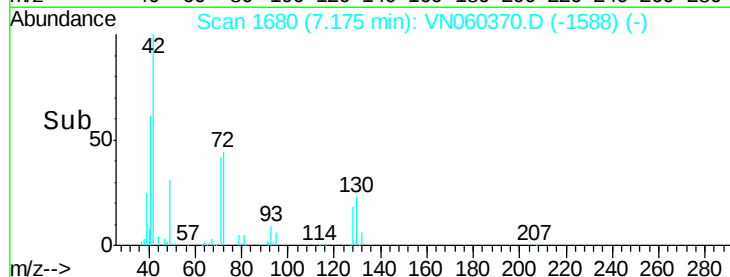
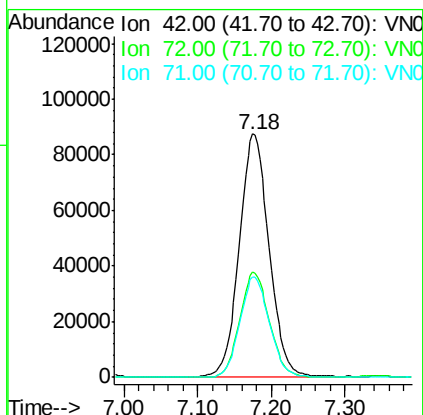
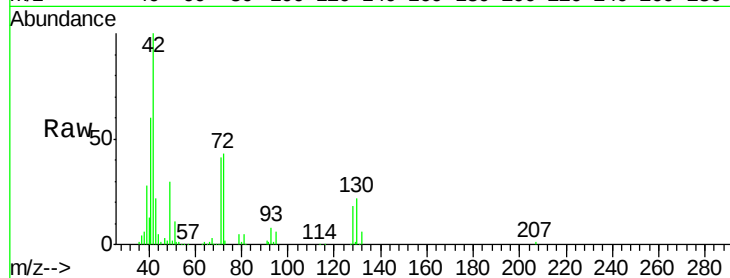
#29
Tetrahydrofuran
Concen: 266.833 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.6	34.6	52.0
71	40.6	32.9	49.3

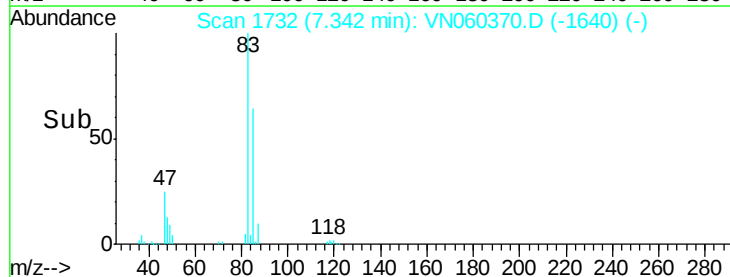
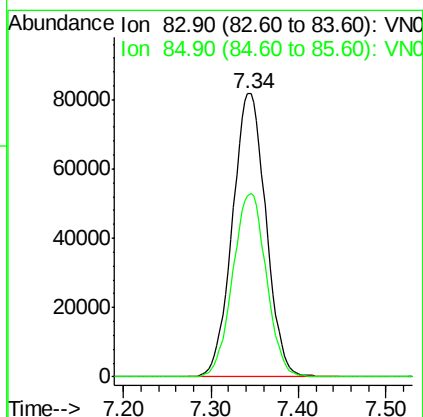
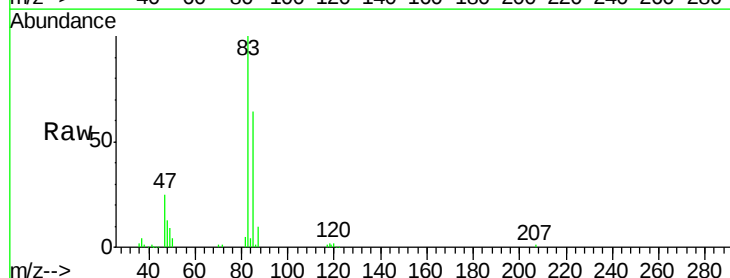
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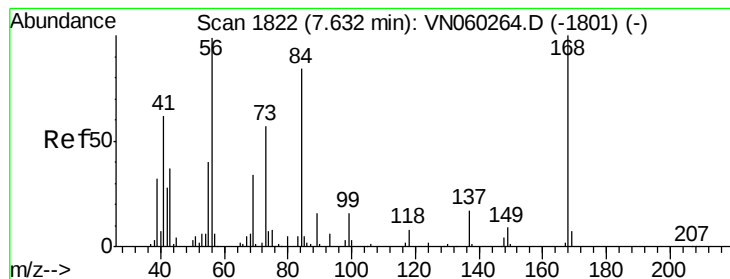
MMDadoda
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#30
Chloroform
Concen: 53.850 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.4	77.2





#31

Cyclohexane

Concen: 54.178 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 186718

Ion Ratio Lower Upper

56 100

69 32.8 27.2 40.8

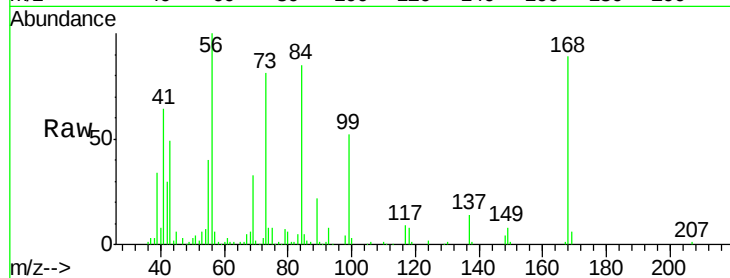
84 83.7 66.7 100.1

Manual Integrations

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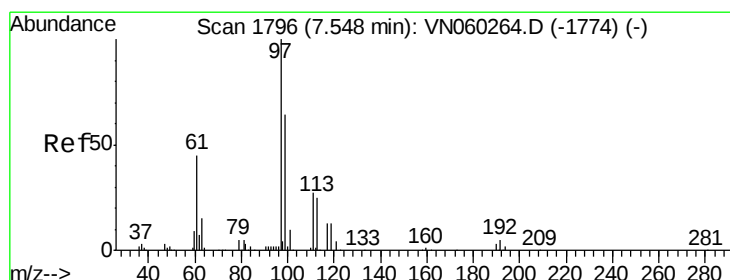
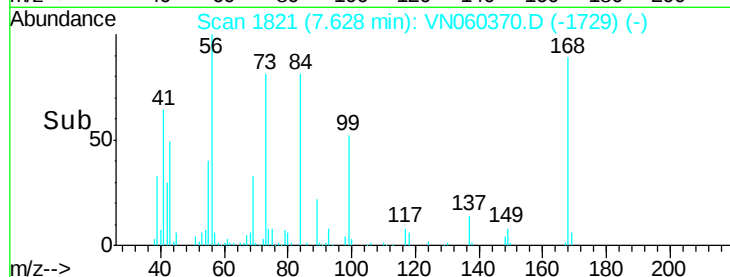
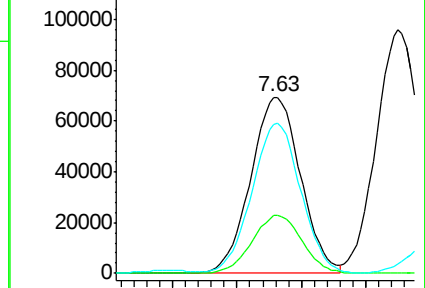
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Abundance Ion 56.00 (55.70 to 56.70): VN060370.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060370.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060370.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 53.073 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

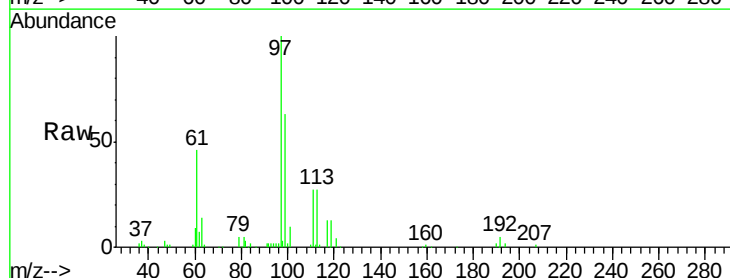
Tgt Ion: 97 Resp: 189441

Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

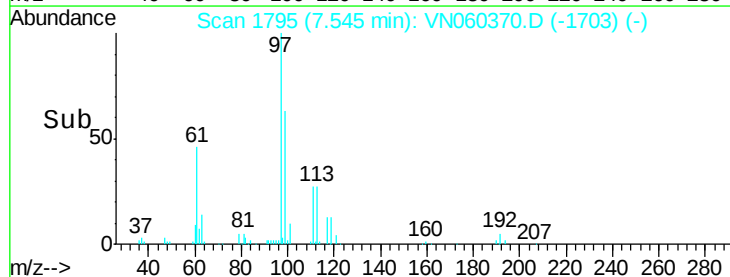
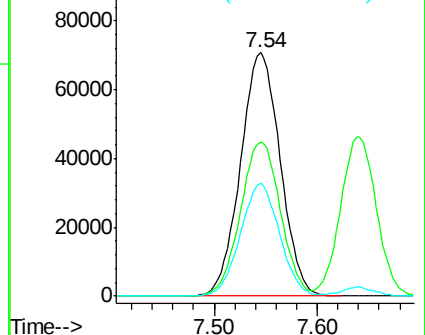
61 45.7 36.6 55.0



Abundance Ion 96.90 (96.60 to 97.60): VN060370.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060370.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060370.D (-1703) (-)





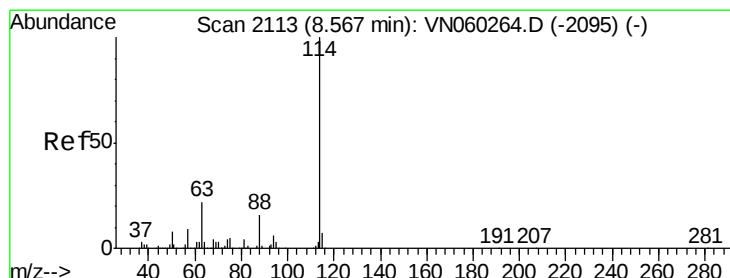
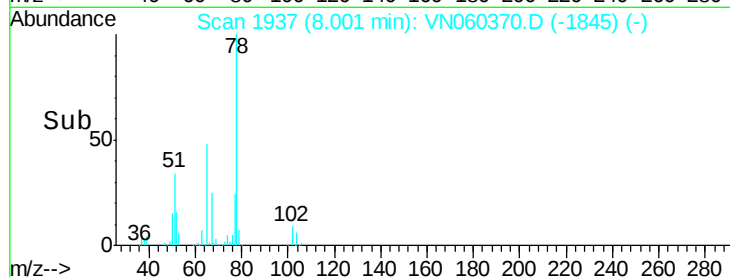
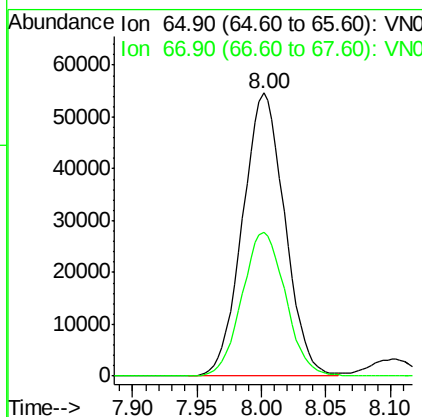
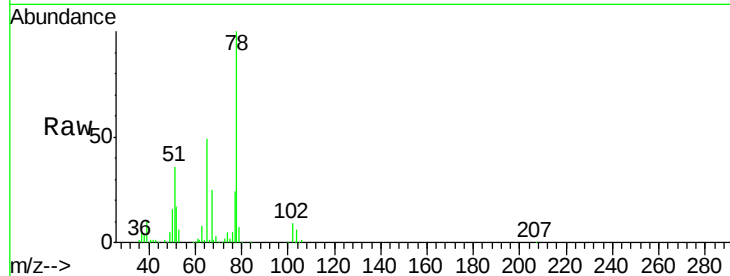
#33
 1,2-Dichloroethane-d4
 Concen: 48.864 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	103.8	

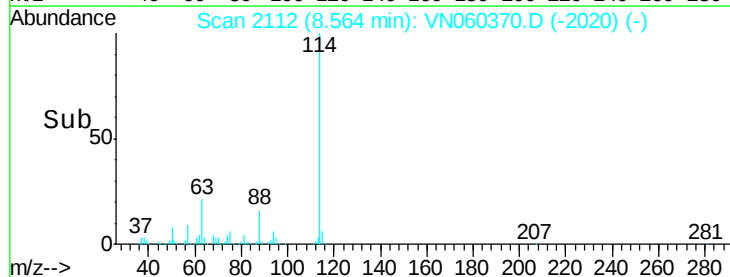
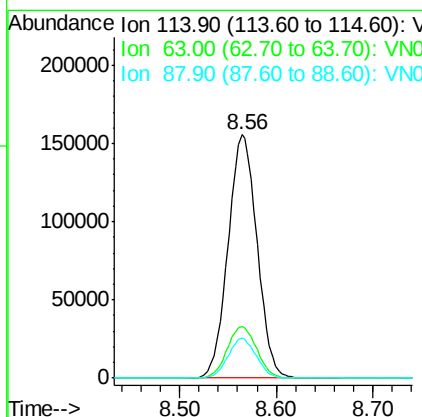
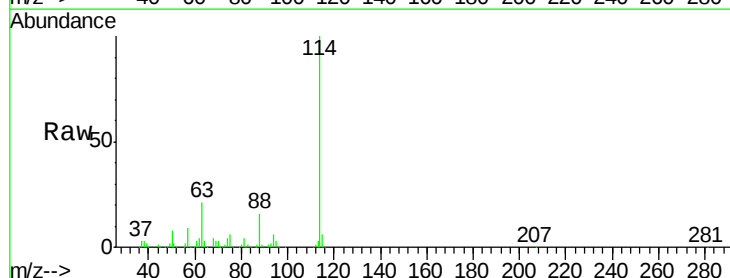
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	43.2	
88	16.4	0.0	31.6	





#35

Dibromofluoromethane

Concen: 58.452 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

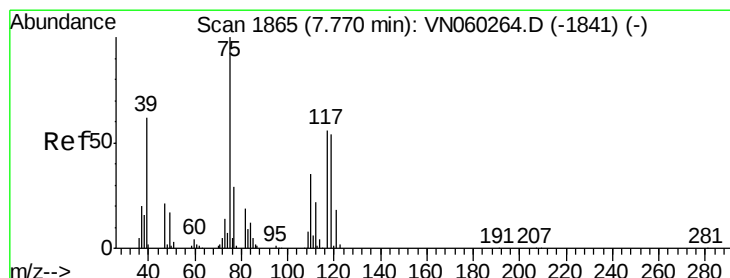
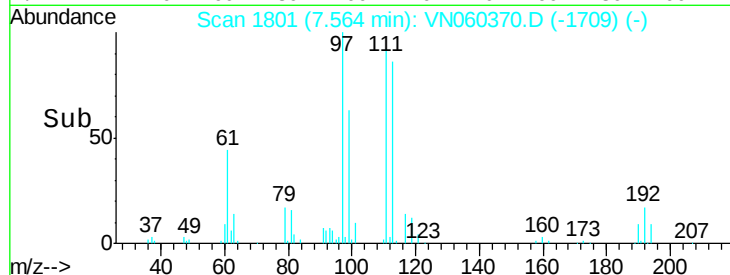
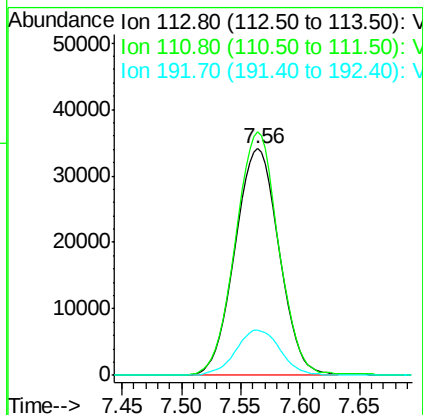
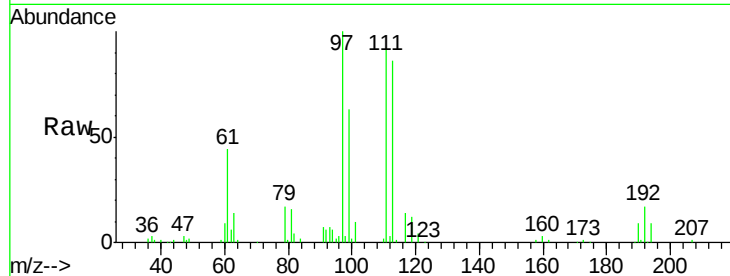
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	87702
Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.4	123.6
192	20.2	16.2	24.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 51.836 ug/l

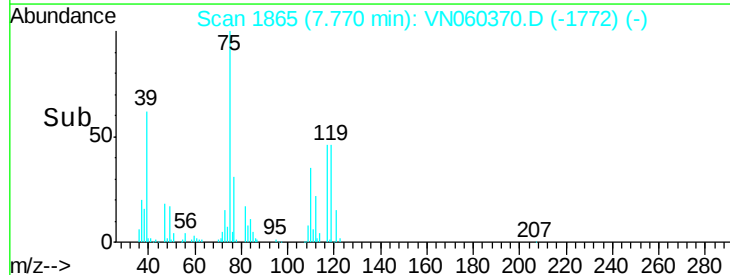
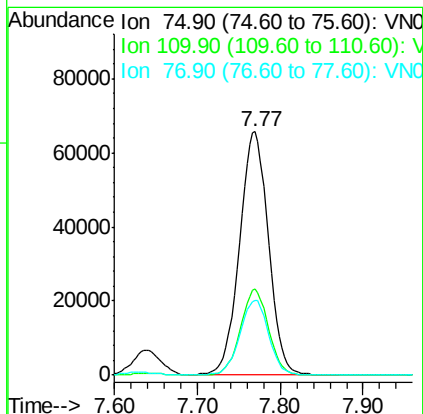
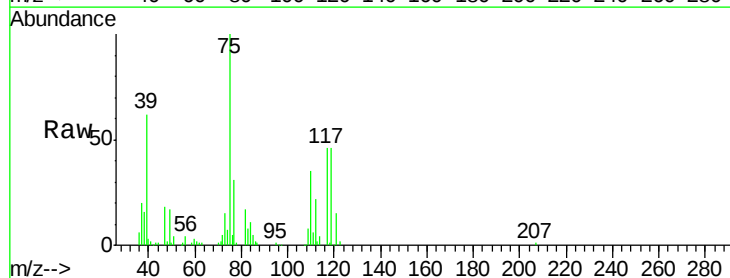
RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Tgt Ion:	75	Resp:	159690
Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.3	52.0
77	30.5	24.2	36.2





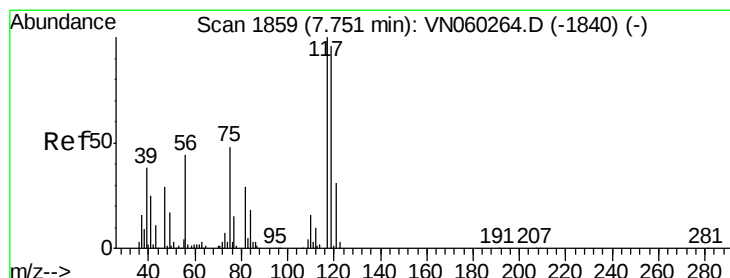
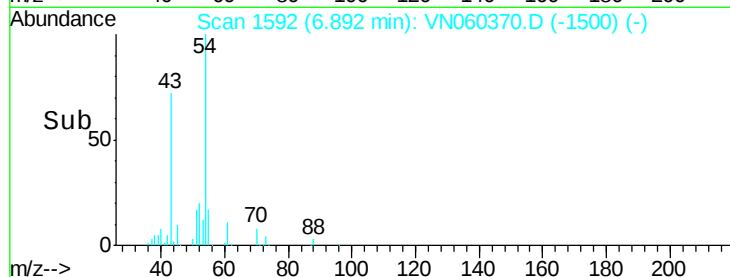
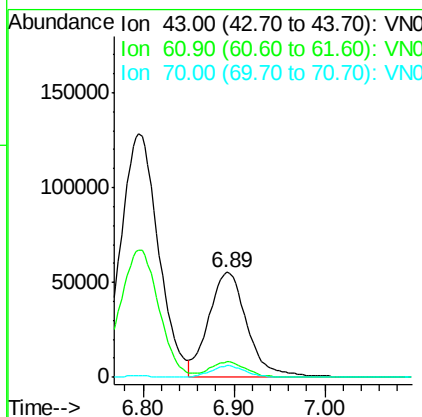
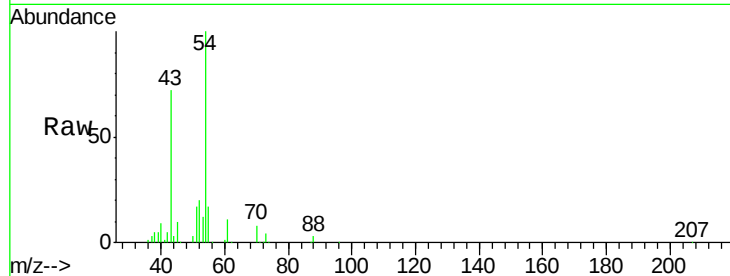
#37
Ethyl Acetate
Concen: 54.849 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	10.2	8.4	12.6

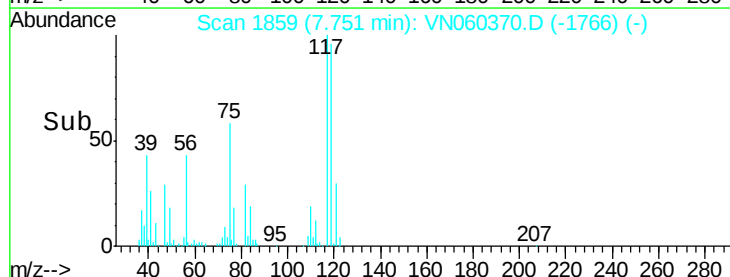
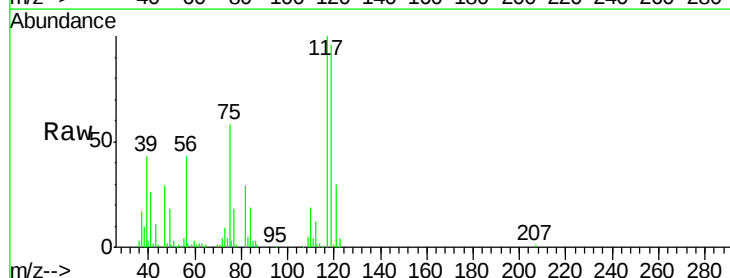
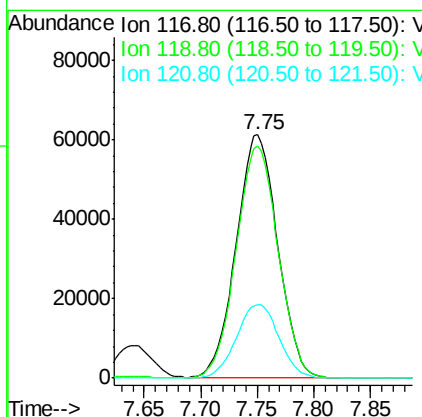
Manual Integrations
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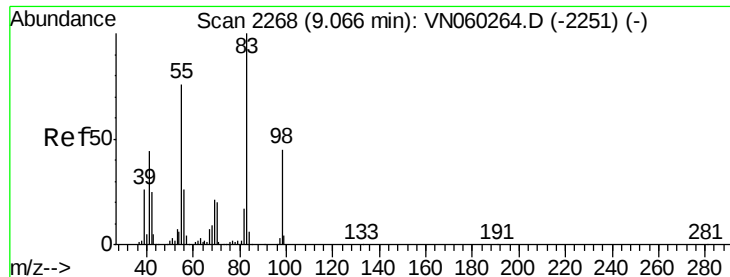
MMDadoda
3/9/2020 11:41:26 AM



#38
Carbon Tetrachloride
Concen: 52.336 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.7	115.1
121	29.9	24.5	36.7





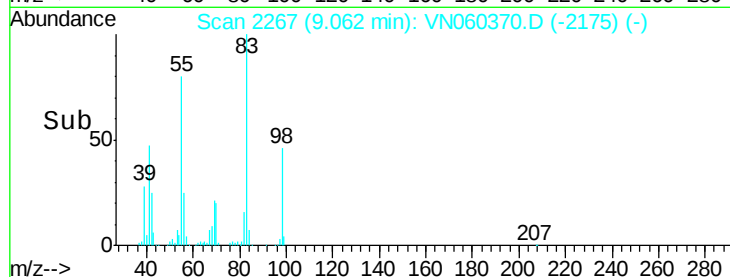
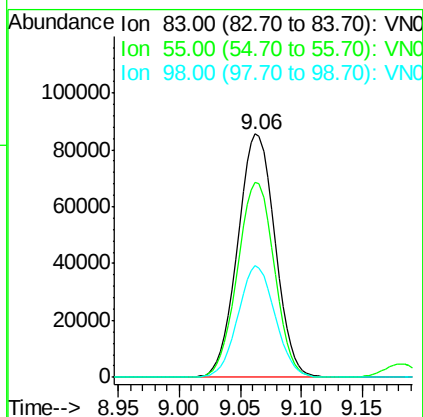
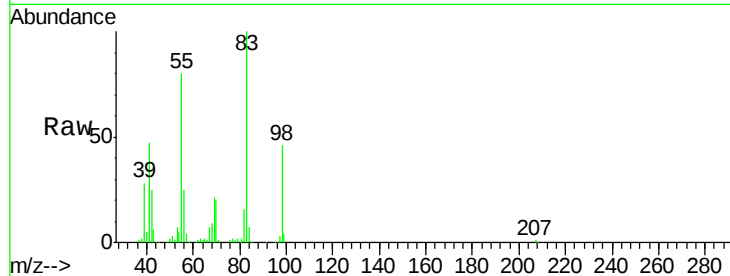
#39
Methvlcvclohexane
Concen: 49.830 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	61.0	91.4
98	45.7	36.1	54.1

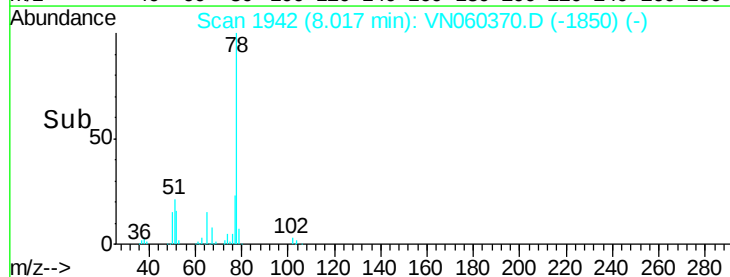
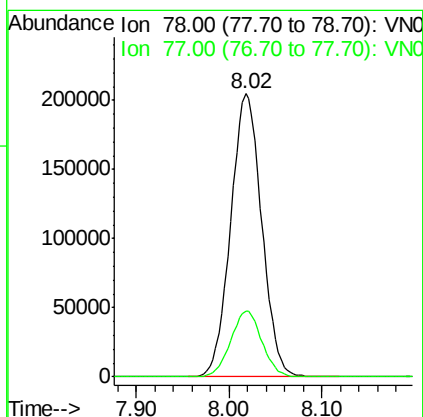
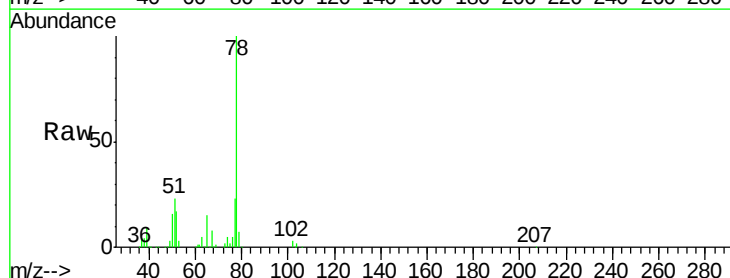
Manual Integrations
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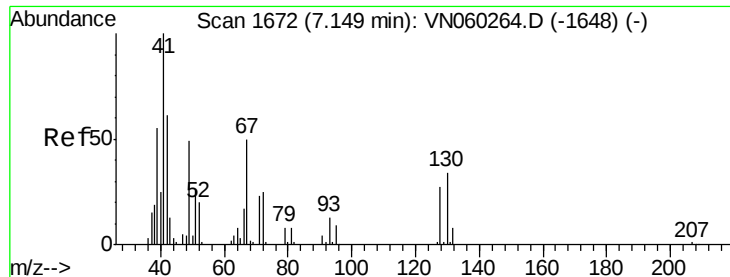
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#40
Benzene
Concen: 52.983 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





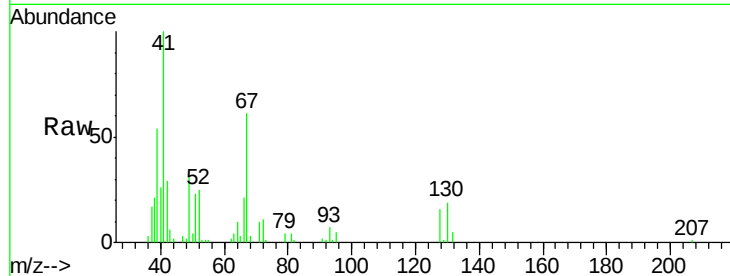
#41
Methacrylonitrile
Concen: 45.917 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

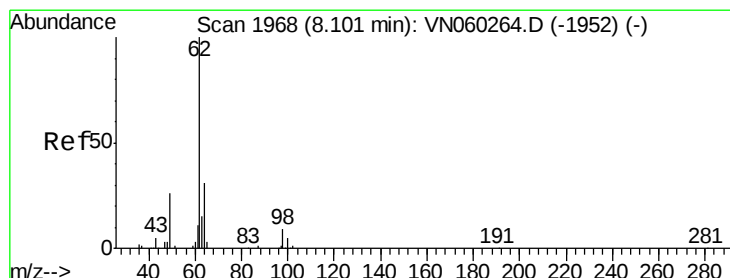
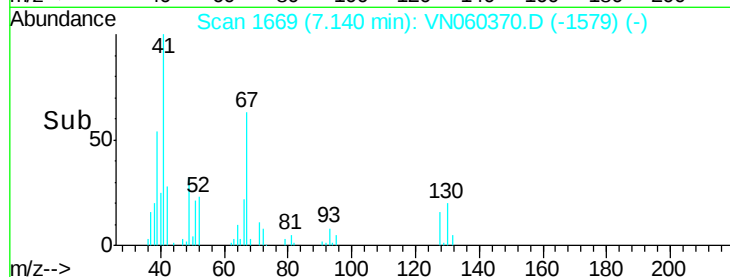
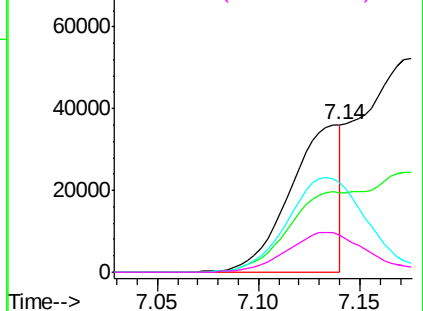
Tot Ion	Ratio	Lower	Upper
41	100		
39	186.4	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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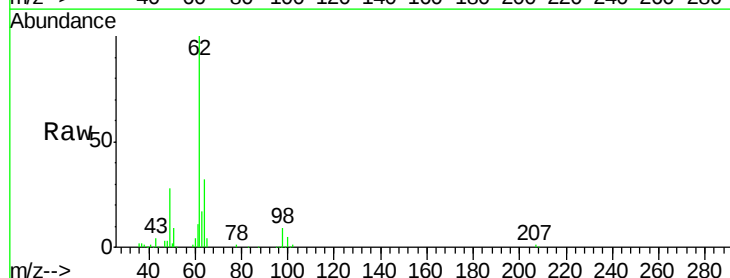


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

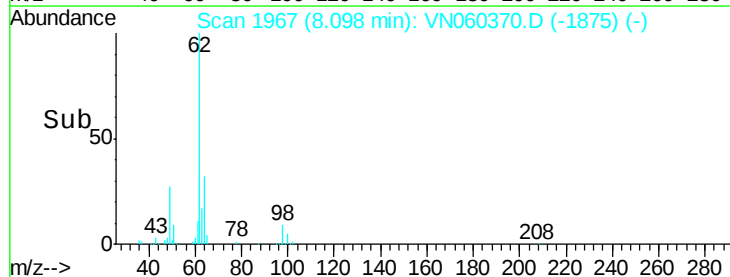
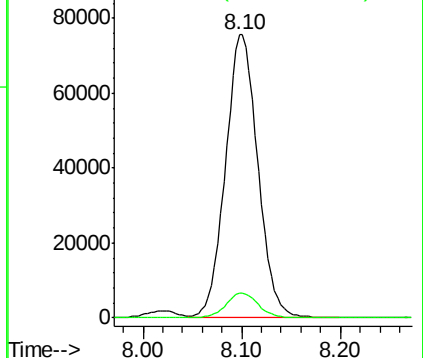


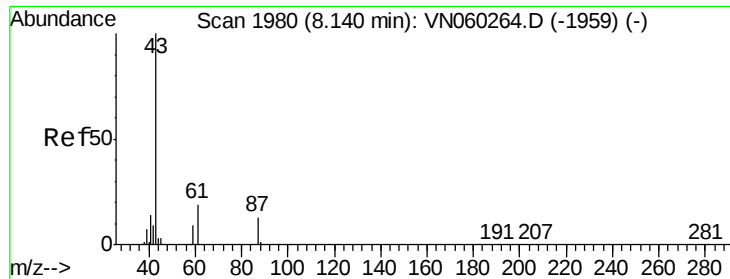
#42
1,2-Dichloroethane
Concen: 53.545 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 56.027 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

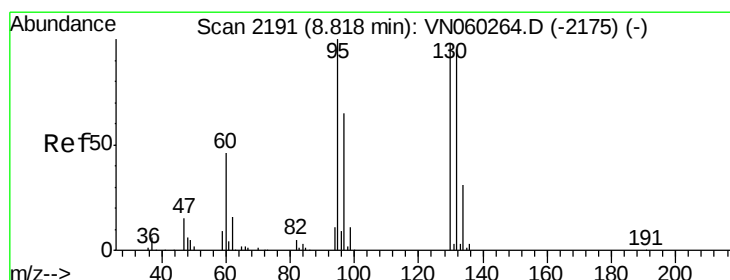
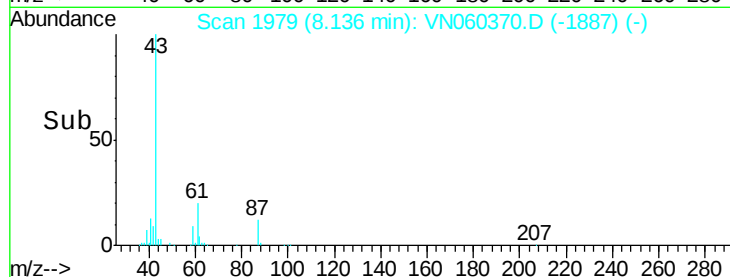
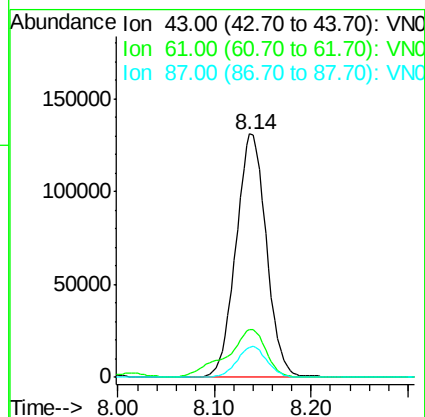
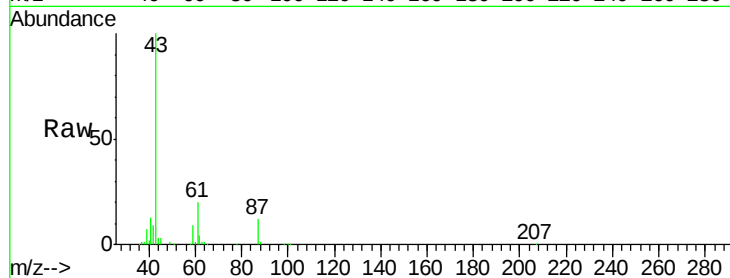
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	286118
Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.9	31.3
87	12.4	10.6	16.0

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#44

Trichloroethene

Concen: 52.294 ug/l

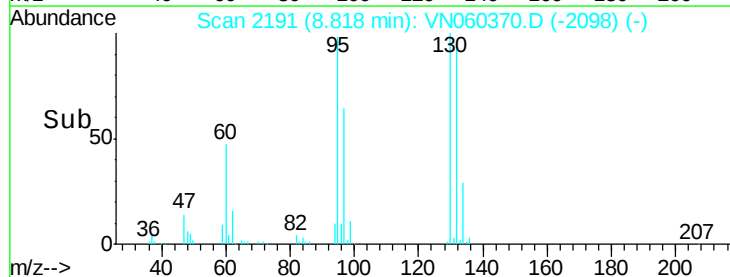
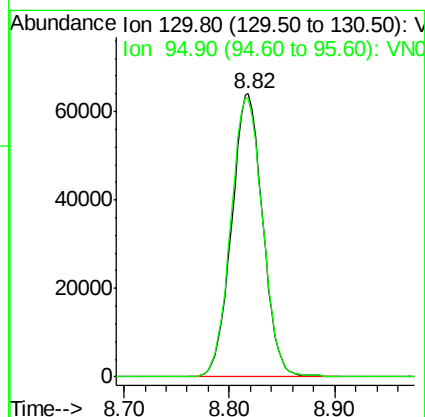
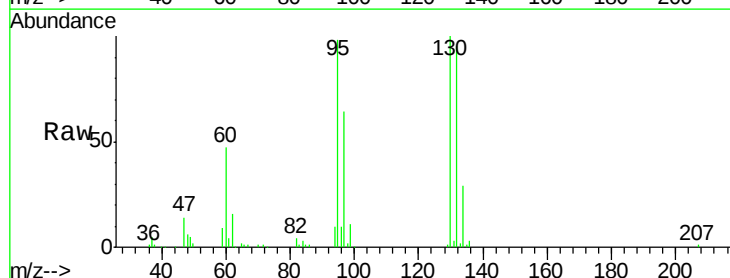
RT: 8.82 min Scan# 2191

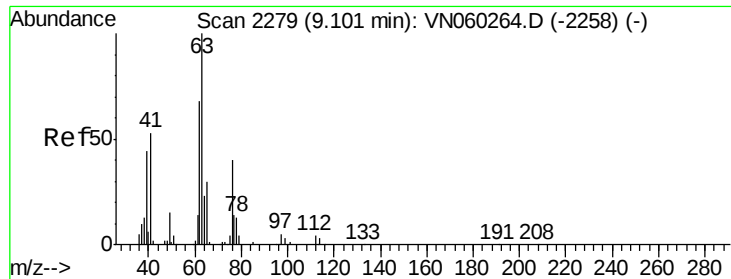
Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Tgt Ion:	130	Resp:	130590
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	203.4





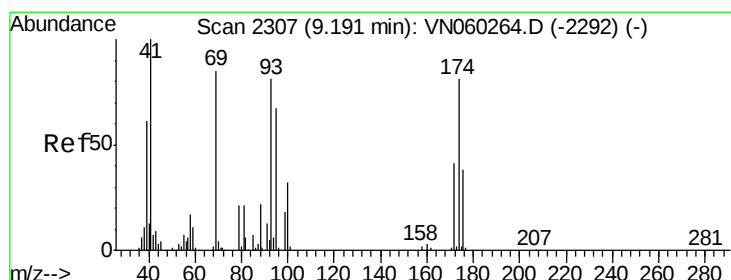
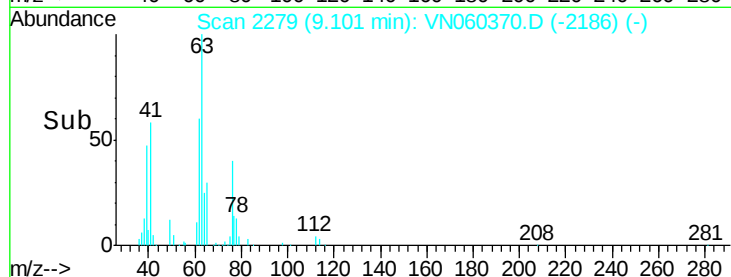
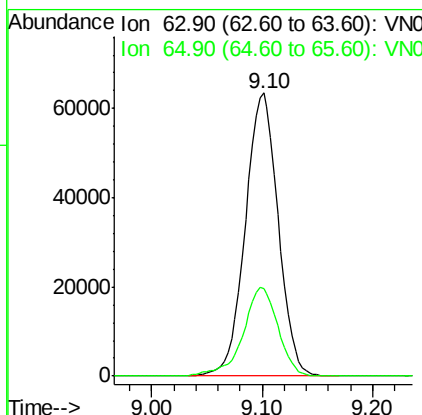
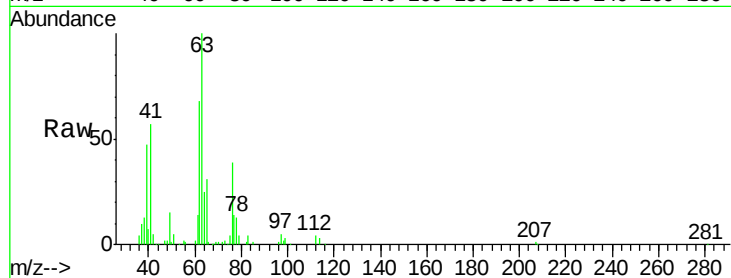
#45
 1,2-Dichloropropane
 Concen: 55.916 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	24.4	36.6

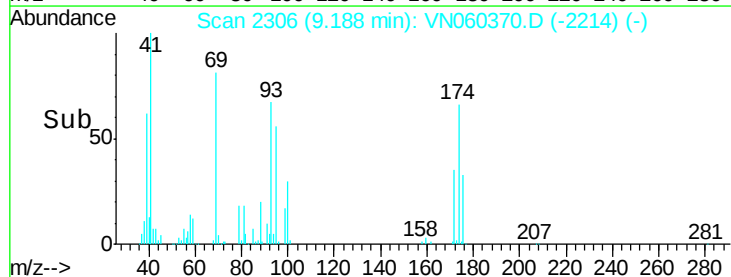
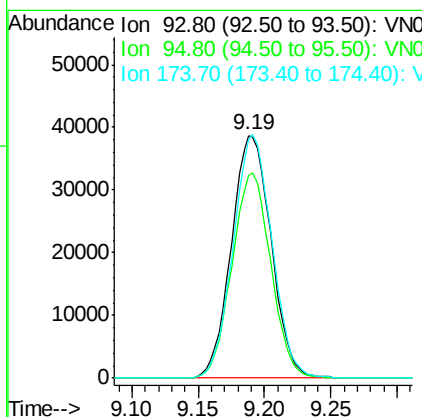
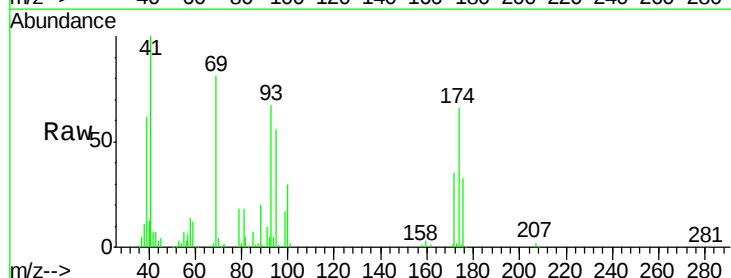
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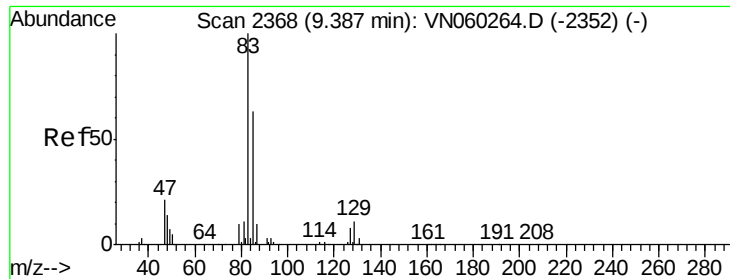
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#46
 Dibromomethane
 Concen: 52.986 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.9	98.9
174	98.0	79.6	119.4





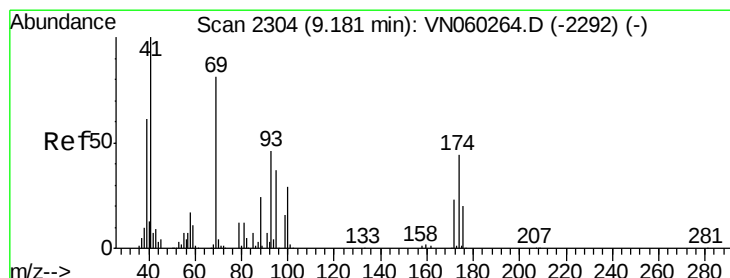
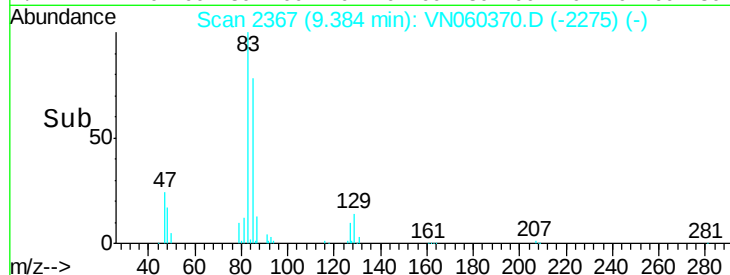
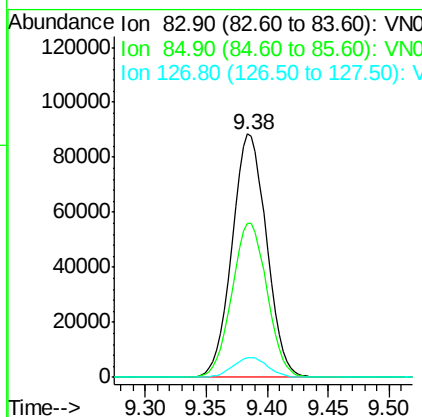
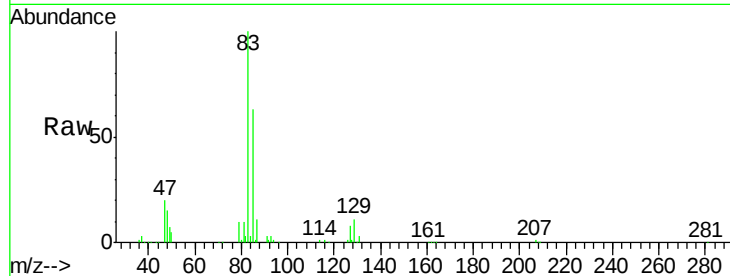
#47
Bromodichloromethane
Concen: 56.040 ug/l
RT: 9.38 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	173376
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	50.7	76.1
127	8.2	6.8	10.2

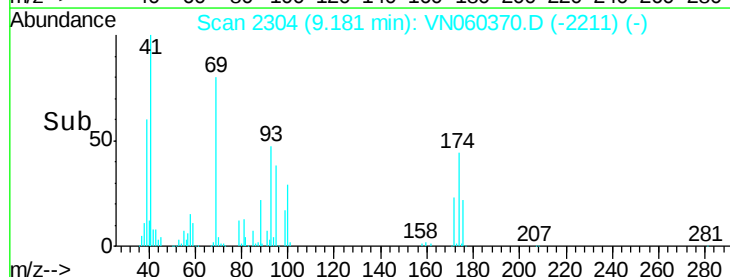
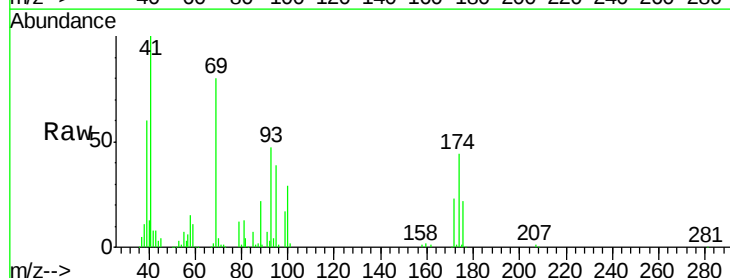
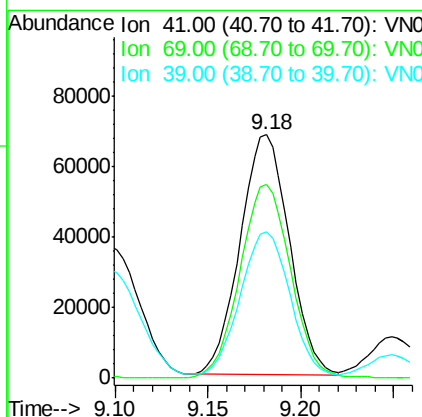
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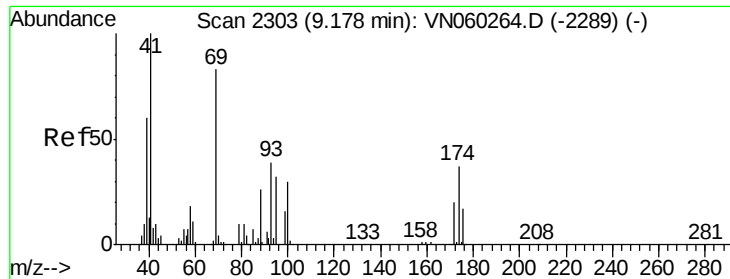
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#48
Methyl methacrylate
Concen: 54.027 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	41	Resp	125816
Ion Ratio	100	Lower	Upper
41	100		
69	83.0	66.7	100.1
39	62.6	50.1	75.1





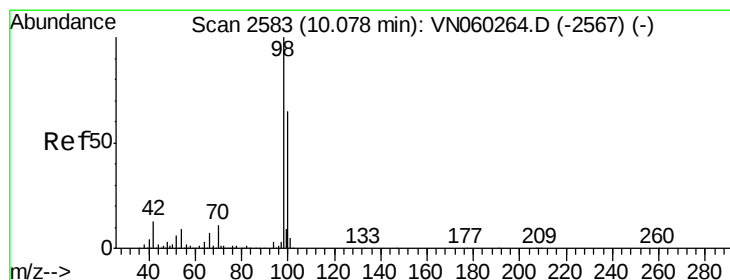
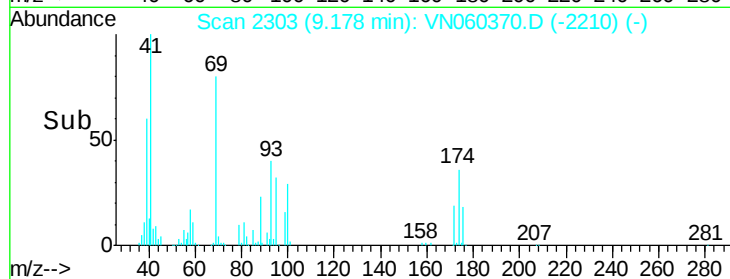
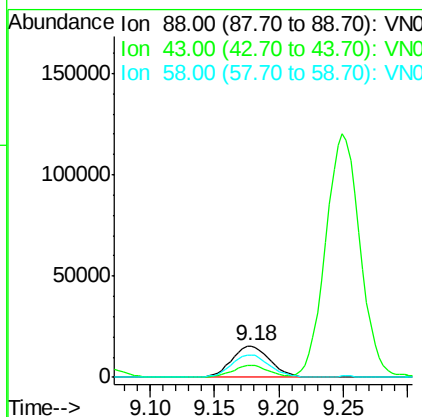
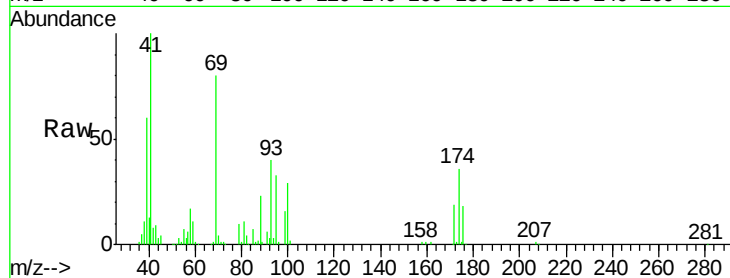
#49
1,4-Dioxane
Concen: 974.272 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	31906
Ion	Ratio	Lower	Upper
88	100		
43	36.9	30.4	45.6
58	72.5	57.0	85.6

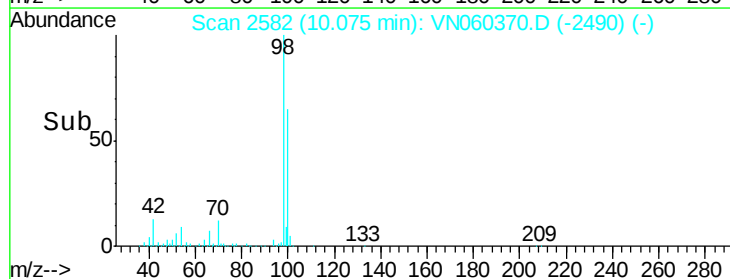
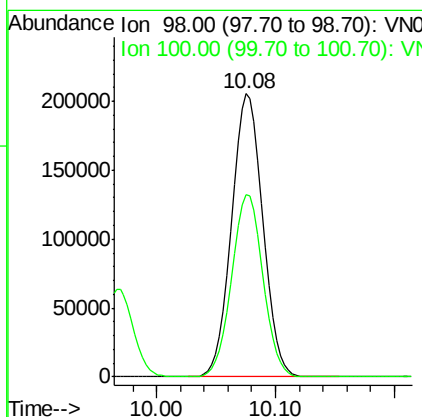
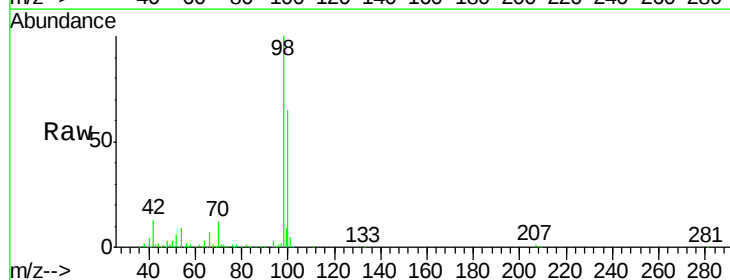
Manual Integrations
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#50
Toluene-d8
Concen: 49.226 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	98	Resp	373810
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.2	78.2





#51

4-Methyl-2-Pentanone

Concen: 281.504 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 815080

Ion Ratio Lower Upper

43 100

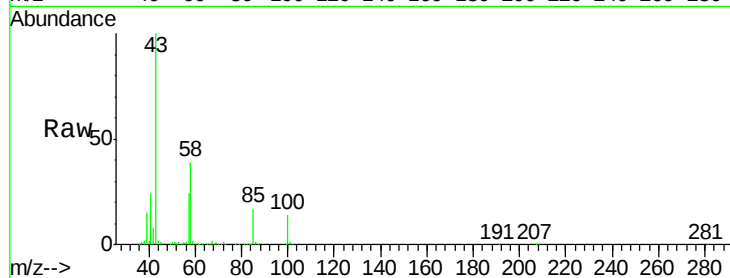
58 38.5 30.9 46.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

400000

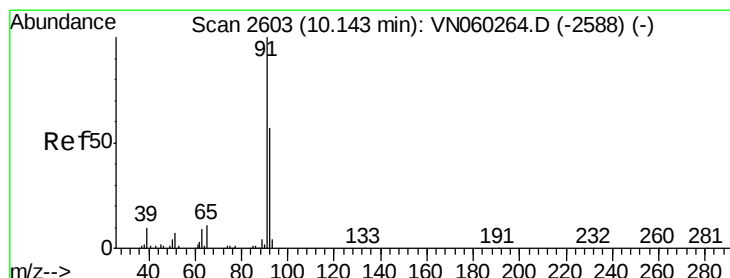
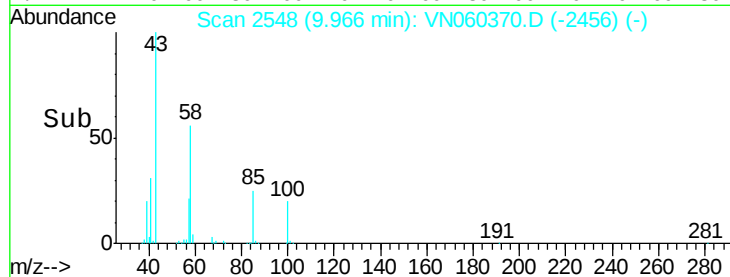
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.276 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN060370.D

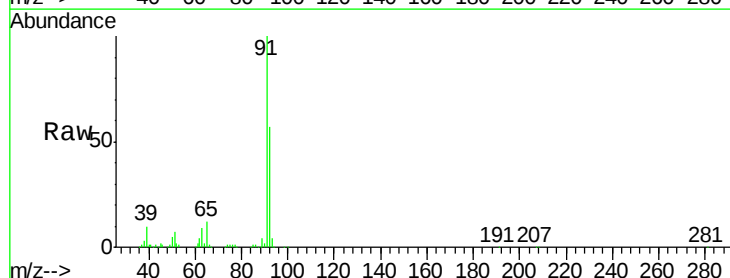
Acq: 6 Mar 2020 10:38

Tgt Ion: 92 Resp: 300073

Ion Ratio Lower Upper

92 100

91 172.9 138.1 207.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.14

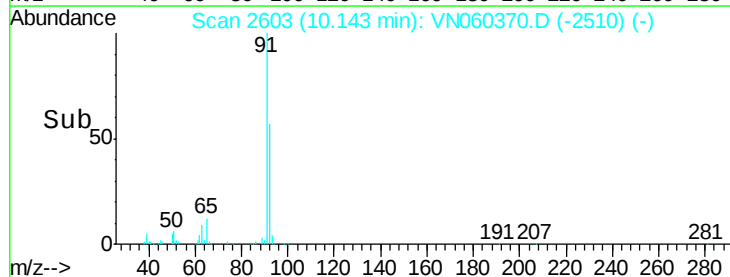
300000

200000

100000

0

Time-->





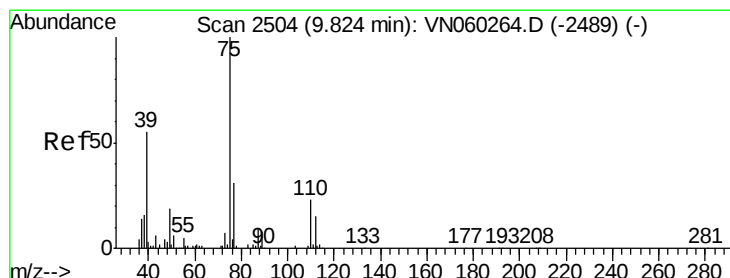
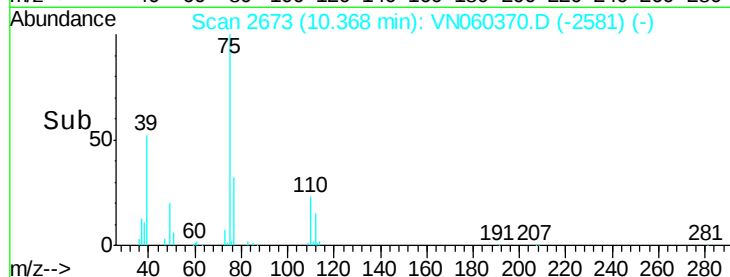
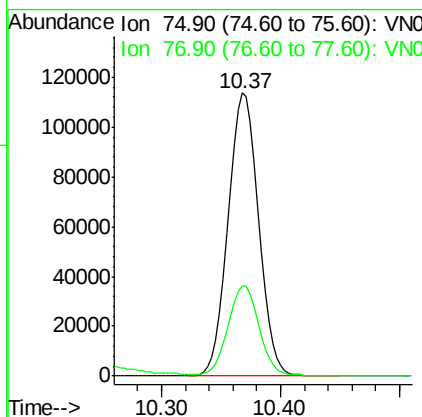
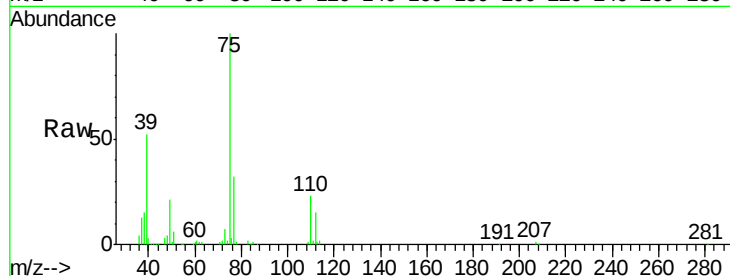
#53
t-1,3-Dichloropropene
Concen: 53.409 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.8	37.2

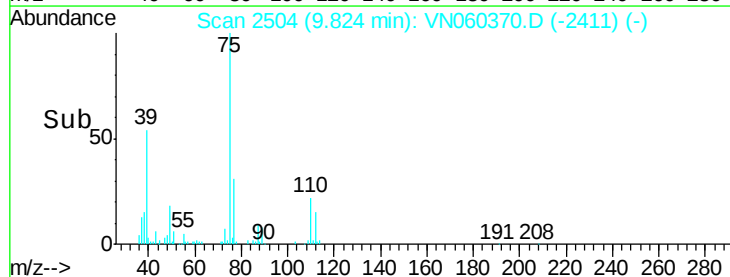
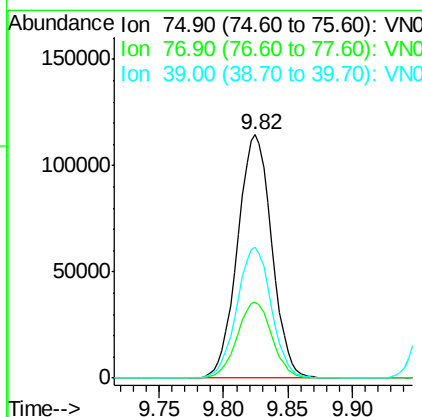
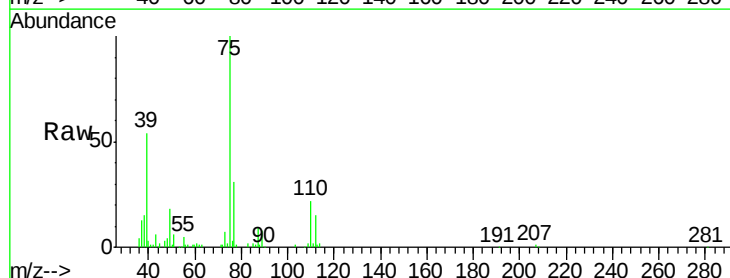
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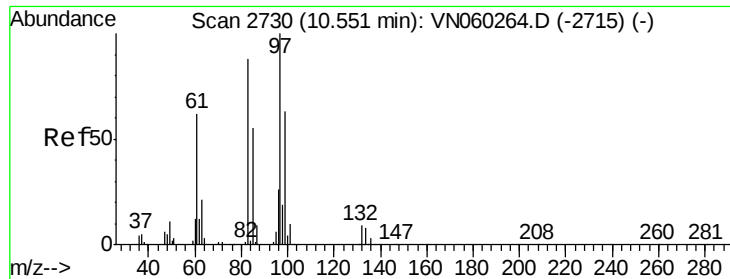
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#54
cis-1,3-Dichloropropene
Concen: 53.834 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.8	37.2
39	53.7	43.8	65.8





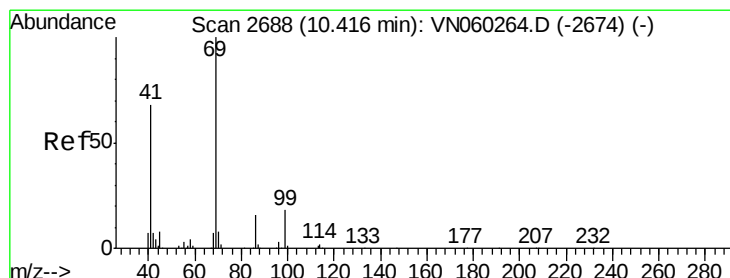
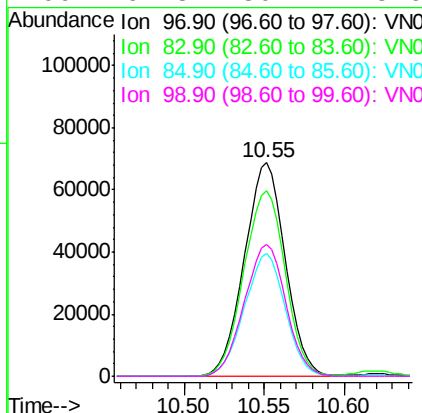
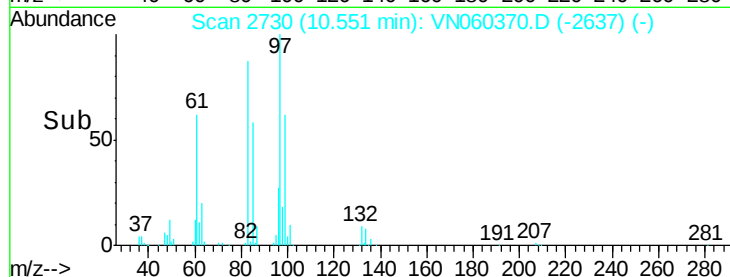
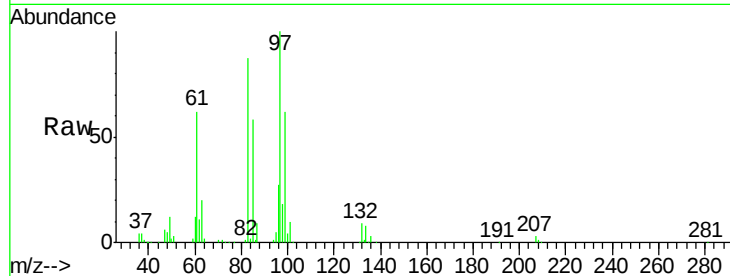
#55
 1,1,2-Trichloroethane
 Concen: 53.372 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:	97	Resp:	120890
Ion	Ratio	Lower	Upper
97	100		
83	86.6	70.0	105.0
85	57.5	44.0	66.0
99	61.8	50.4	75.6

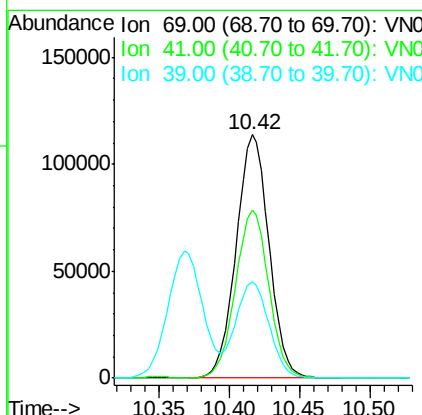
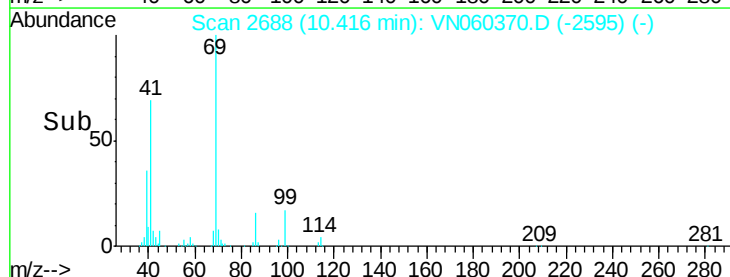
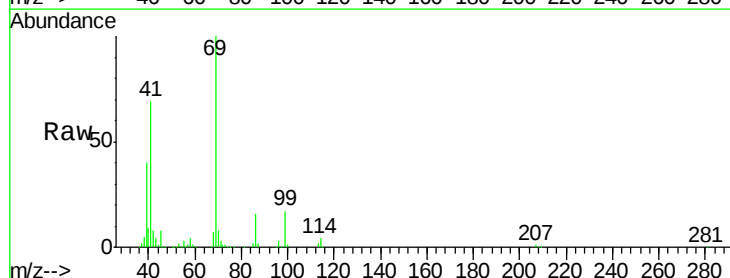
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#56
 Ethyl methacrylate
 Concen: 57.231 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion:	69	Resp:	186235
Ion	Ratio	Lower	Upper
69	100		
41	69.4	54.1	81.1
39	39.9	32.5	48.7





#57

1,3-Dichloropropane

Concen: 55.150 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 203718

Ion Ratio Lower Upper

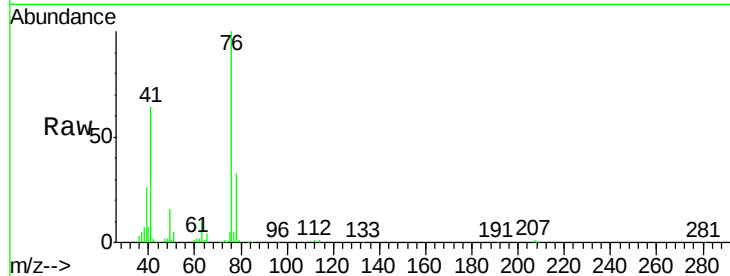
76 100

78 32.3 26.2 39.2

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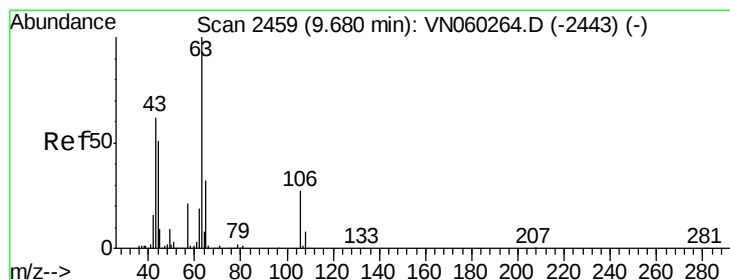
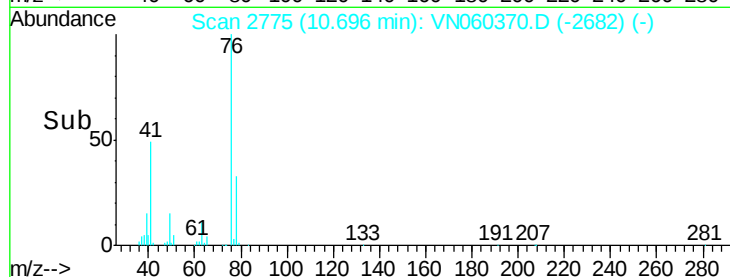
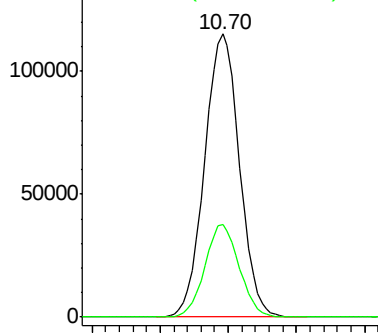
MMDadoda

3/9/2020 11:41:26 AM



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: 305.720 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060370.D

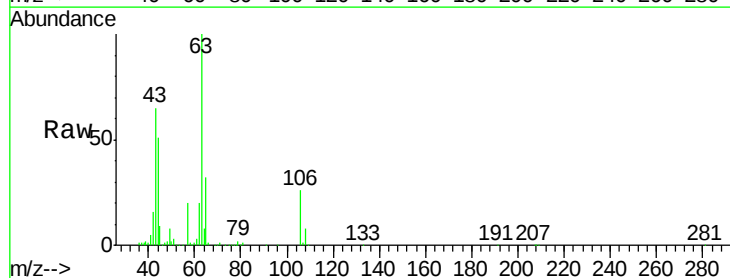
Acq: 6 Mar 2020 10:38

Tgt Ion: 63 Resp: 520309

Ion Ratio Lower Upper

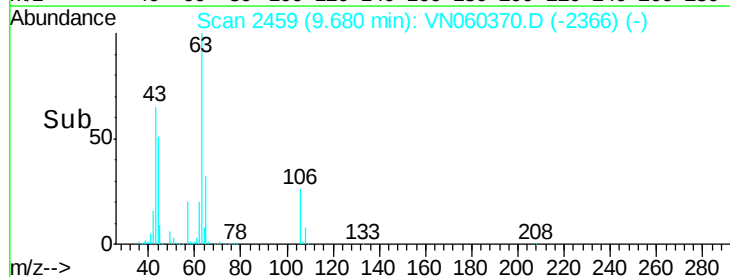
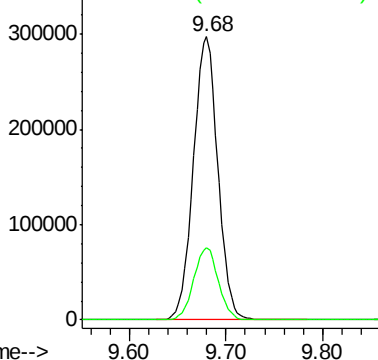
63 100

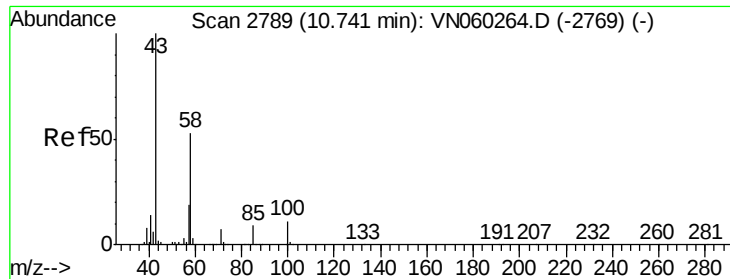
106 25.7 21.1 31.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





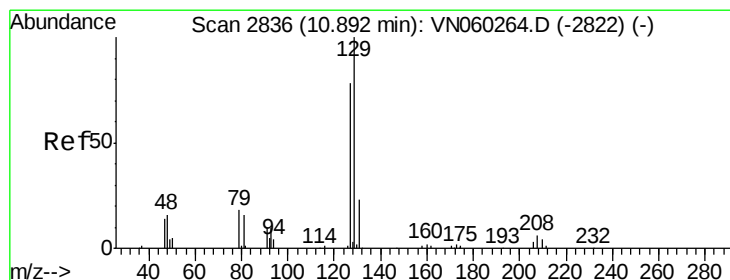
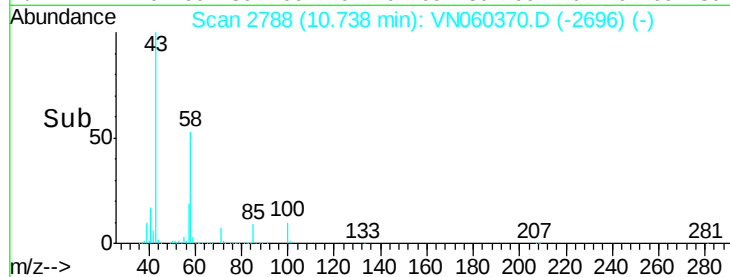
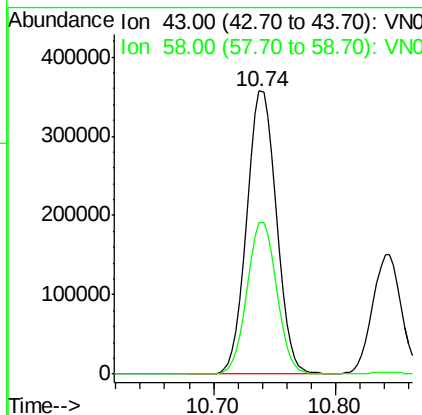
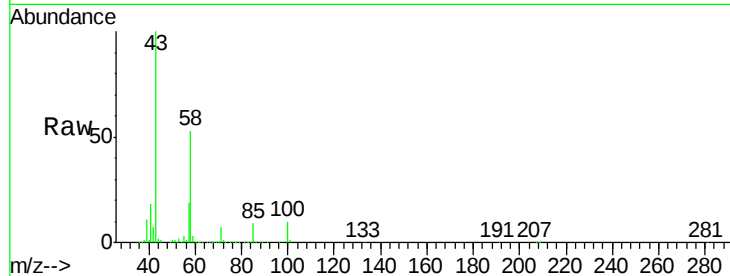
#59
2-Hexanone
Concen: 281.465 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 598369
Ion Ratio Lower Upper
43 100
58 53.4 26.5 79.5

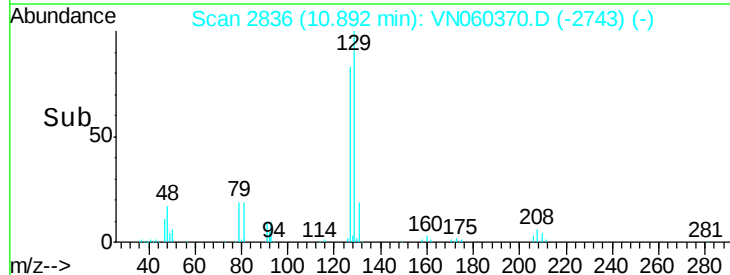
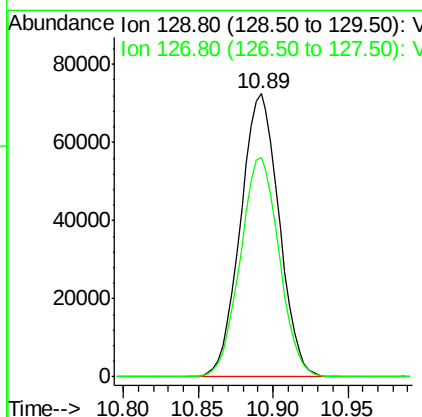
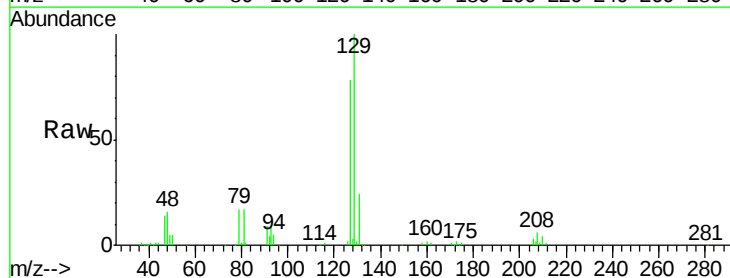
Manual Integrations
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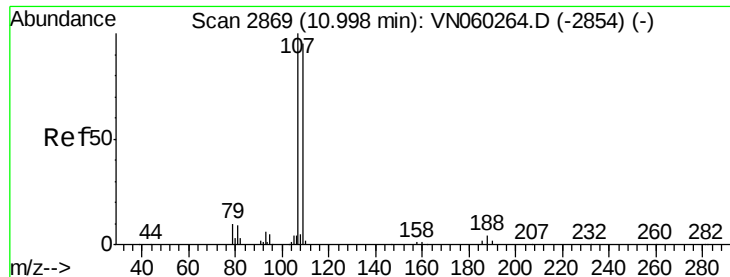
MMDadoda
3/9/2020 11:41:26 AM



#60
Dibromochloromethane
Concen: 56.572 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion:129 Resp: 130312
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 54.604 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 120568

Ion Ratio Lower Upper

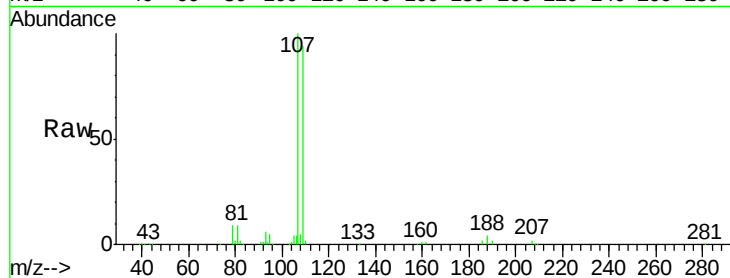
107 100

109 94.6 76.8 115.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.99

80000

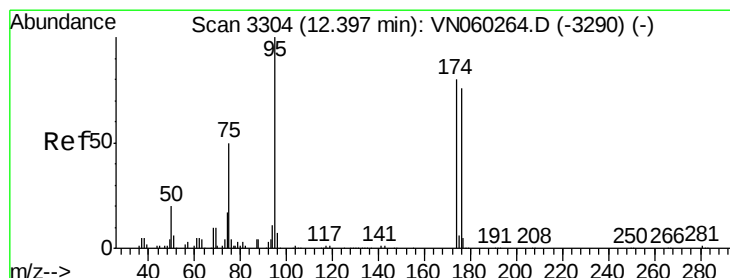
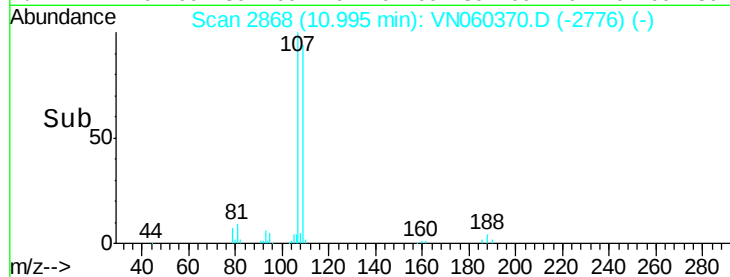
60000

40000

20000

0

Time--> 10.90 10.95 11.00 11.05



#62

4-Bromofluorobenzene

Concen: 49.243 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

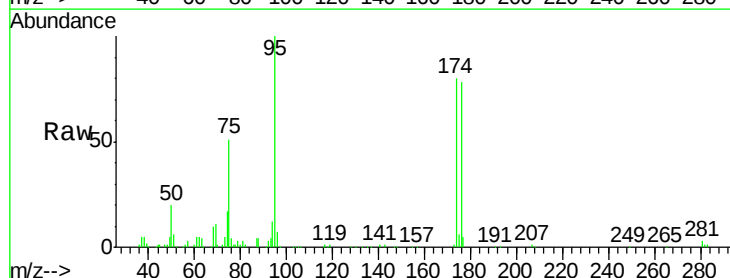
Tgt Ion: 95 Resp: 141752

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.2

176 77.4 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

100000

80000

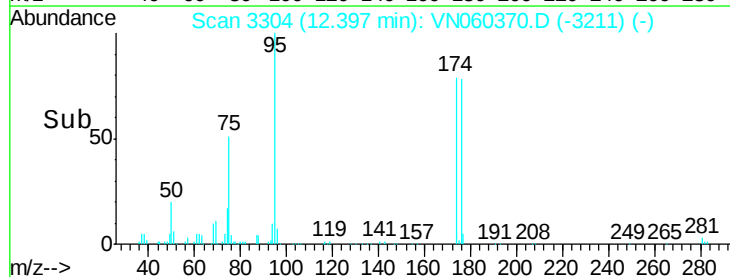
60000

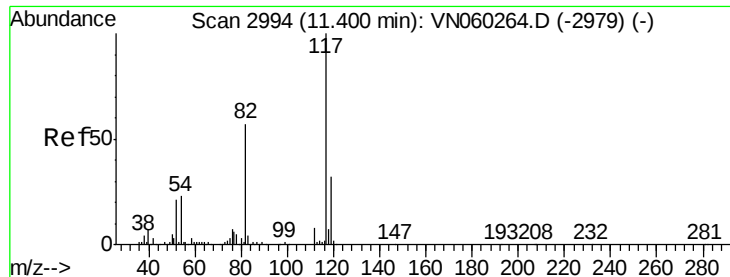
40000

20000

0

Time--> 12.35 12.40 12.45





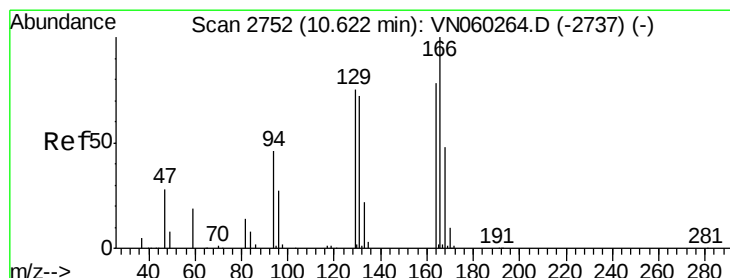
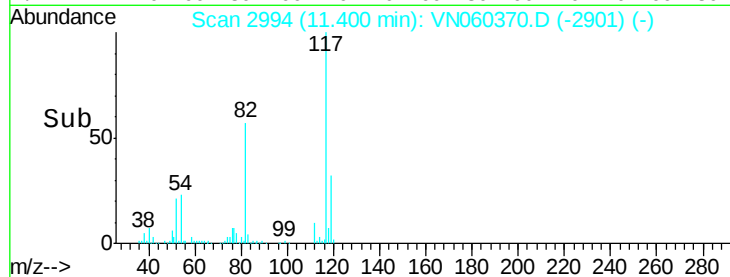
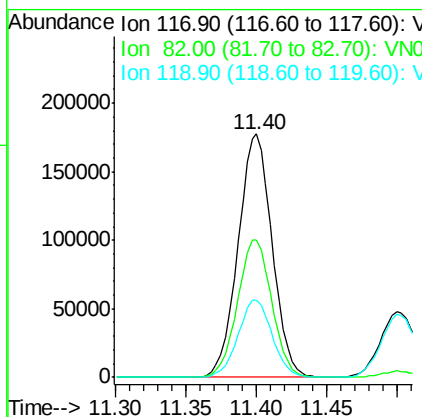
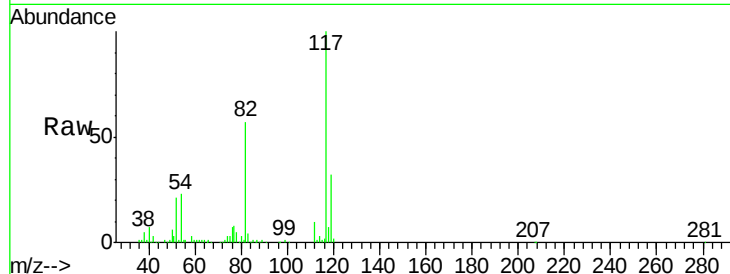
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	300129		
82	56.6		45.8	68.6
119	31.9		25.8	38.8

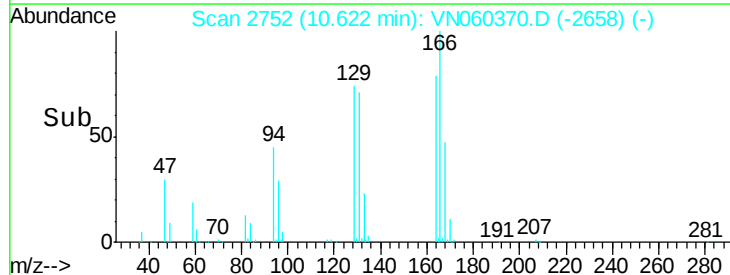
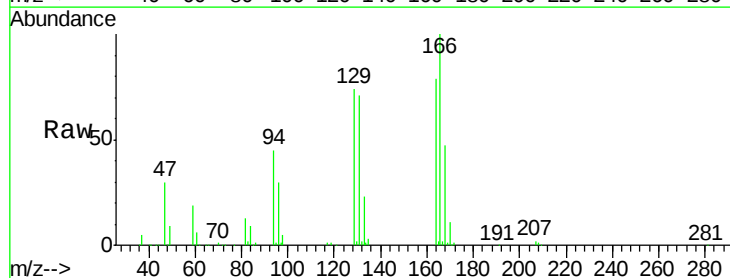
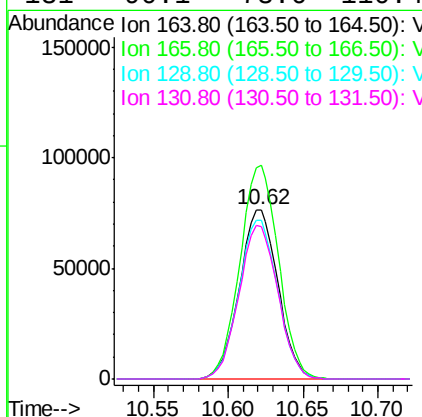
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#64
Tetrachloroethene
Concen: 58.099 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	136751		
166	126.4		102.0	153.0
129	93.8		76.4	114.6
131	90.1		73.6	110.4





#65

Chlorobenzene

Concen: 51.985 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 315050

Ion Ratio Lower Upper

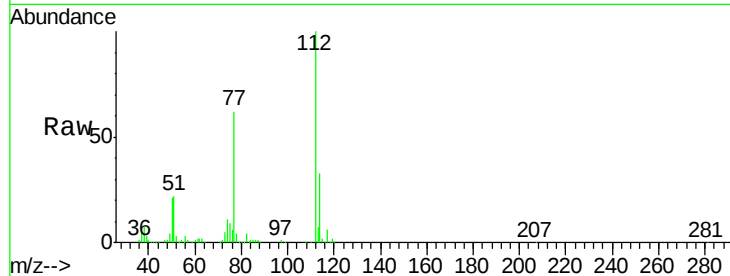
112 100

114 32.6 25.4 38.0

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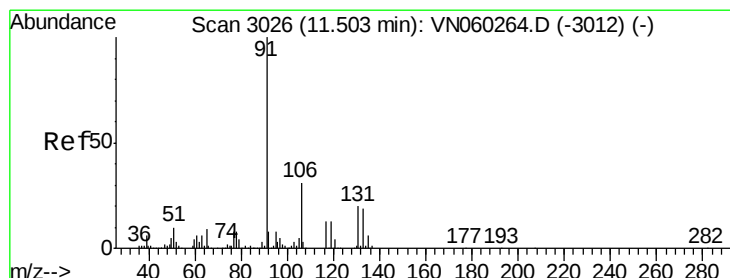
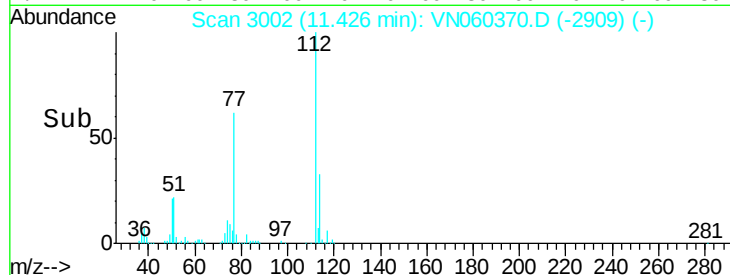
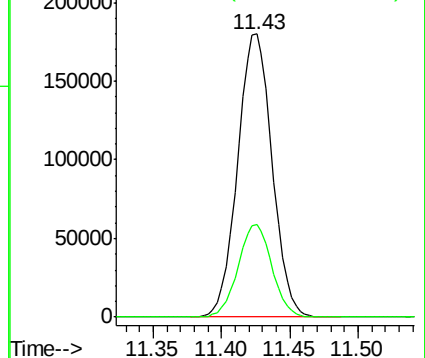
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.657 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

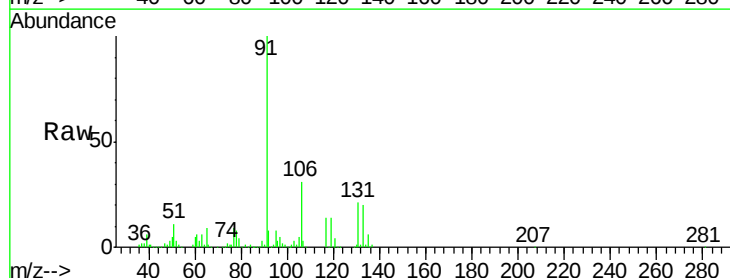
Tgt Ion:131 Resp: 122474

Ion Ratio Lower Upper

131 100

133 95.0 47.7 143.1

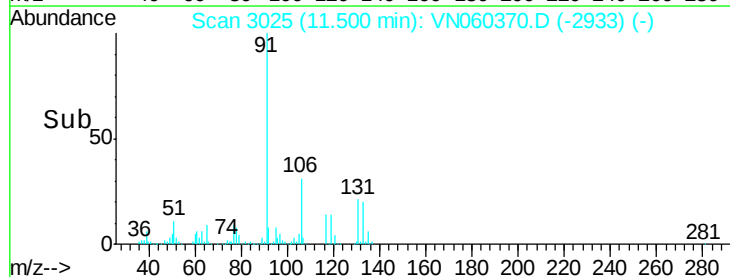
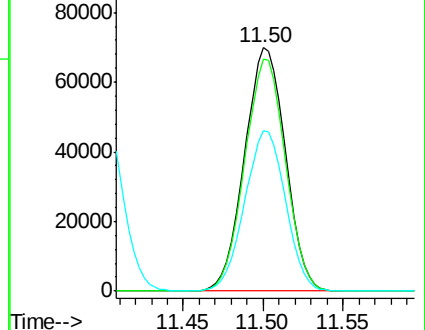
119 65.7 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.471 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 590131

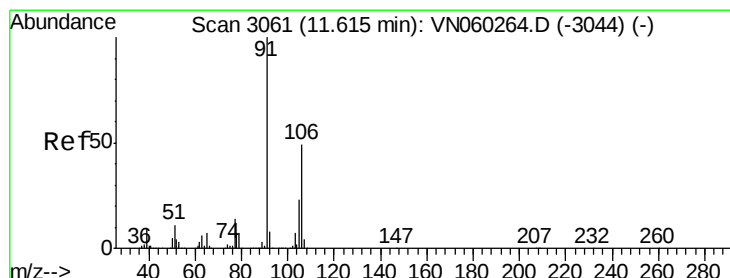
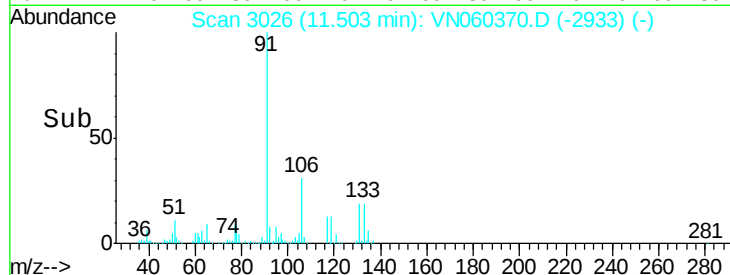
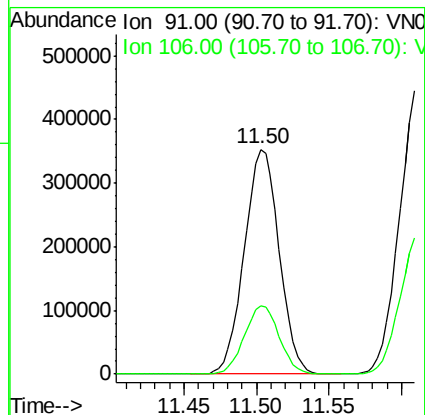
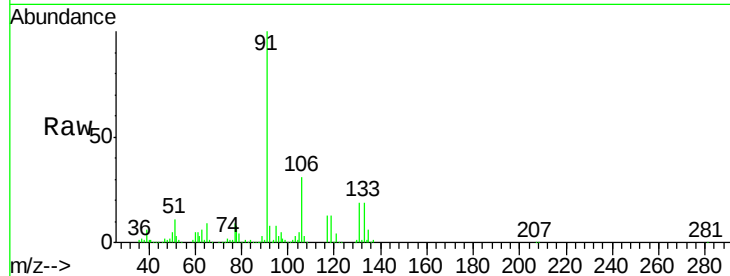
Ion Ratio Lower Upper

91 100

106 30.6 24.7 37.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 105.686 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060370.D

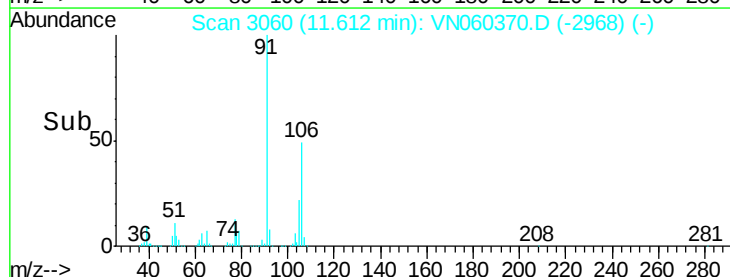
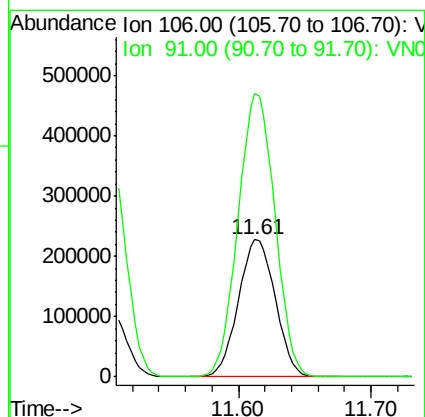
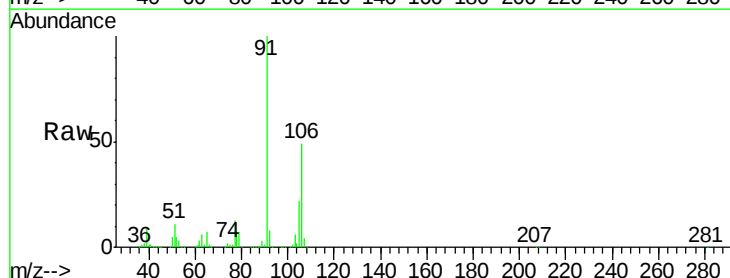
Acq: 6 Mar 2020 10:38

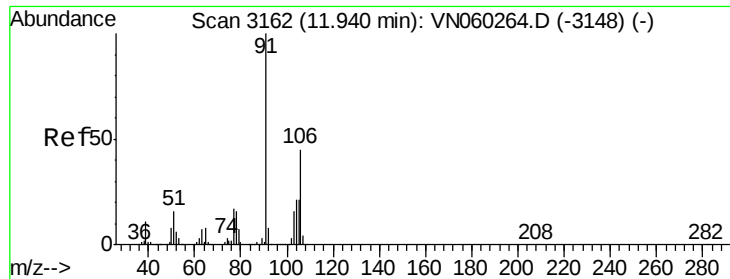
Tgt Ion: 106 Resp: 440073

Ion Ratio Lower Upper

106 100

91 206.4 164.5 246.7





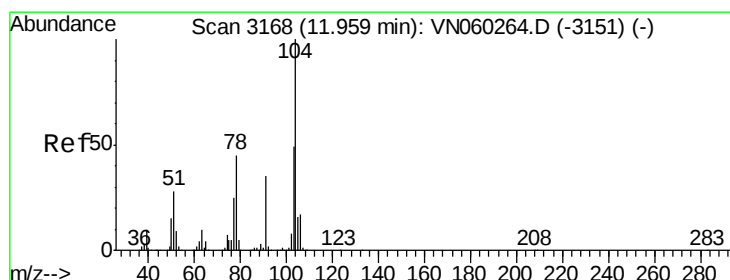
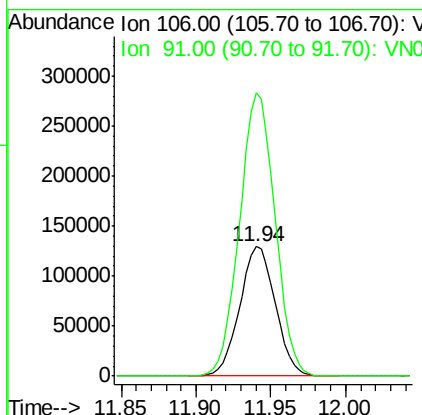
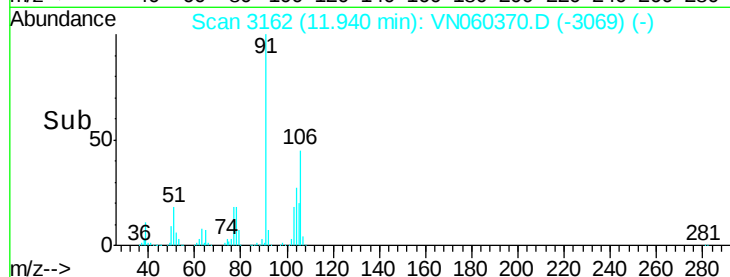
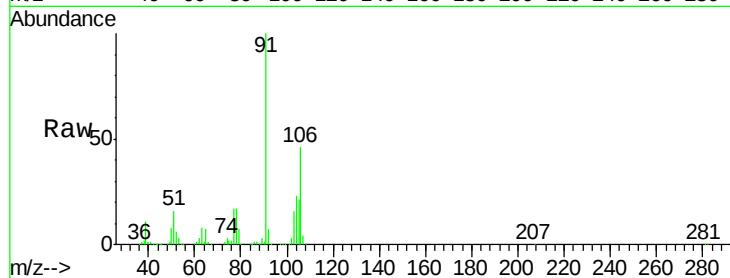
#69
o-Xylene
Concen: 53.973 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
214311	106			
100	106	100		
218.1	91	218.1	109.5	328.4

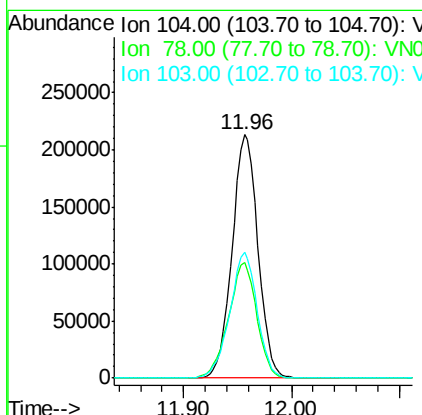
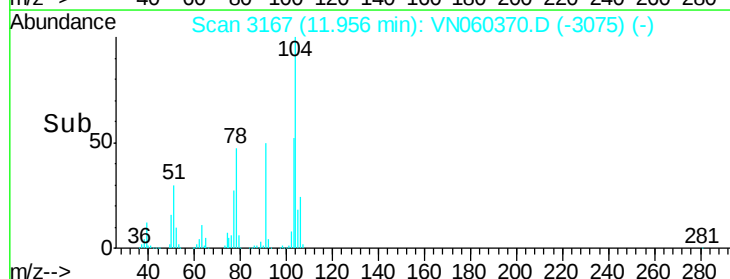
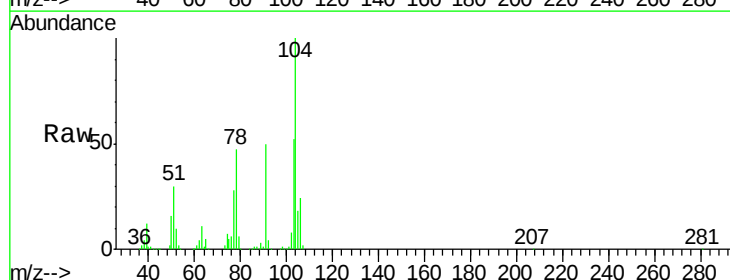
Manual Integrations
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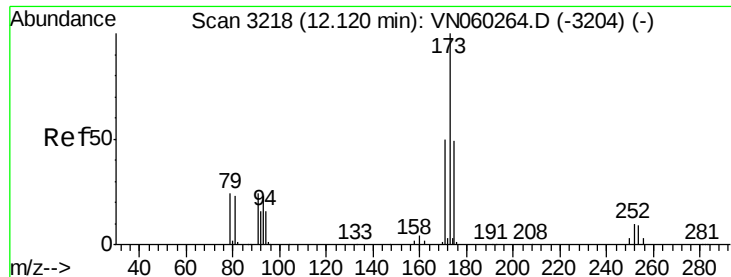
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#70
Styrene
Concen: 54.732 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	Ion	Ratio	Lower	Upper
357307	104	100		
51.6	78	51.6	41.2	61.8
54.7	103	54.7	43.9	65.9





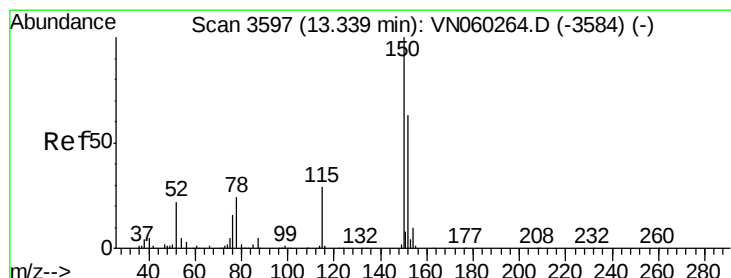
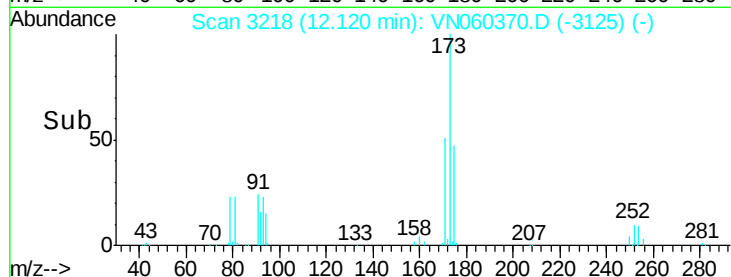
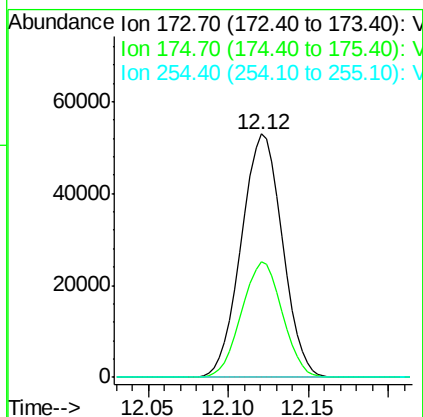
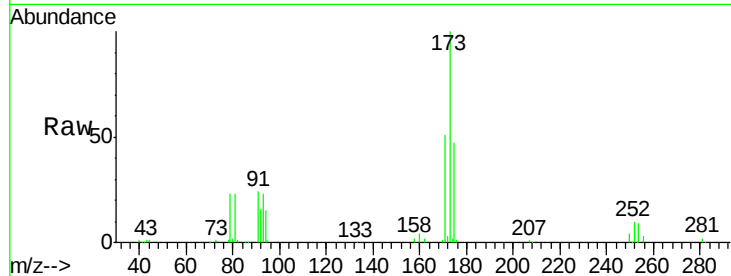
#71
Bromoform
Concen: 57.664 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.1	72.2
254	0.0	0.0	0.0

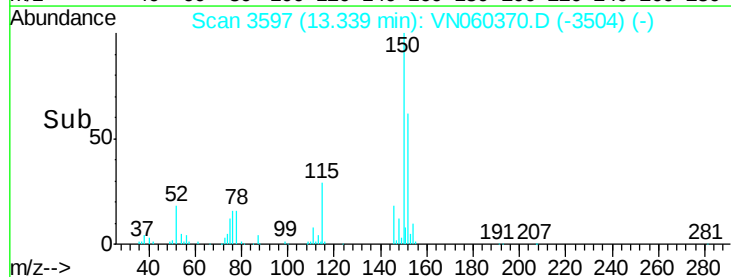
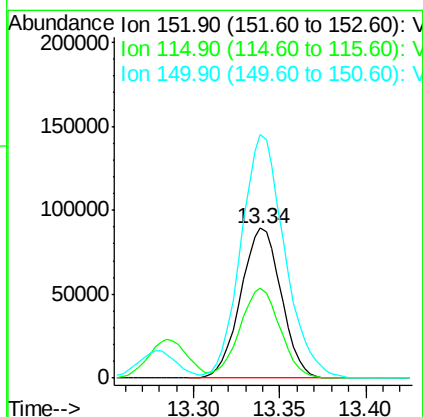
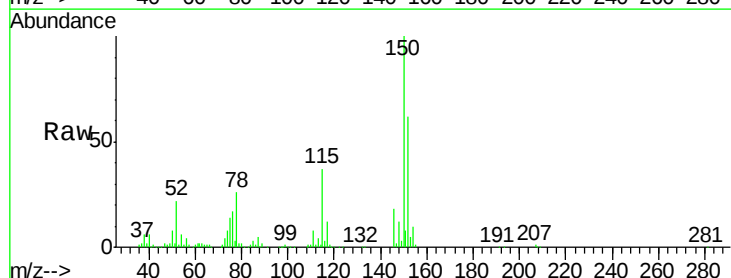
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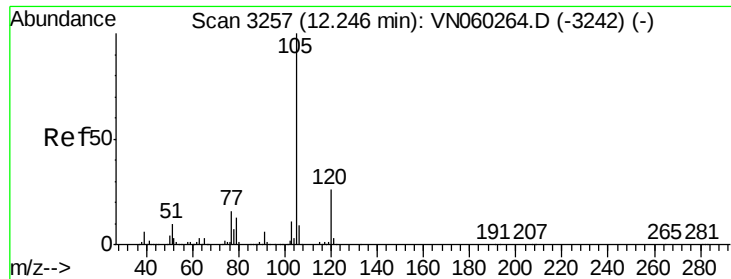
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3/9/2020 11:41:26 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	30.0	90.0
150	175.0	0.0	349.6





#73

Isopropylbenzene

Concen: 53.244 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 576657

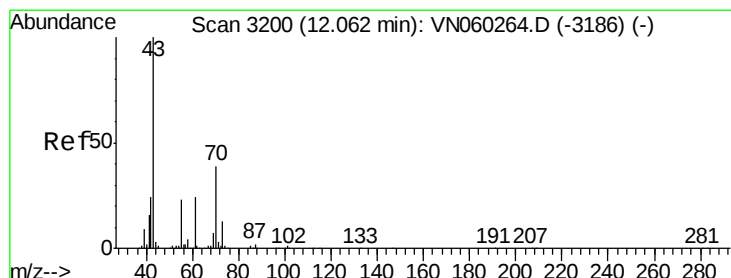
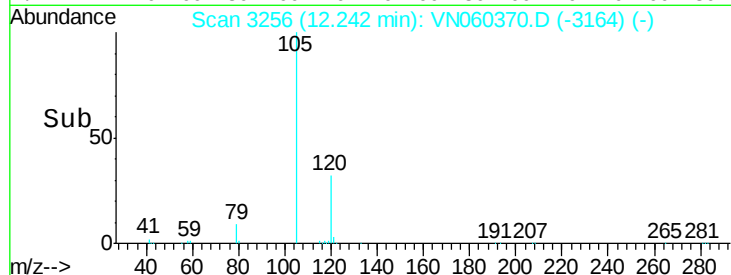
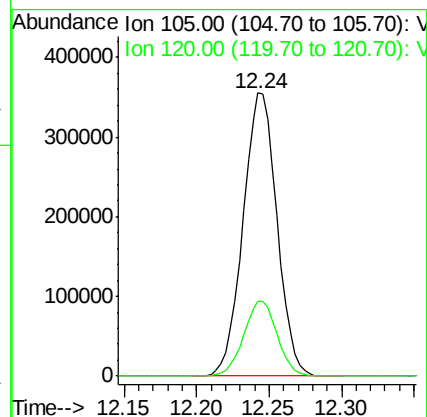
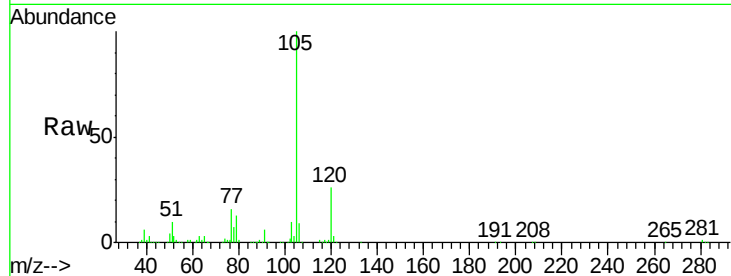
Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9

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#74

N-ethyl acetate

Concen: 54.125 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Tgt Ion: 43 Resp: 256153

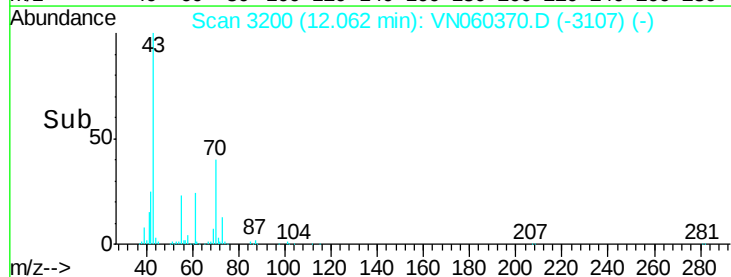
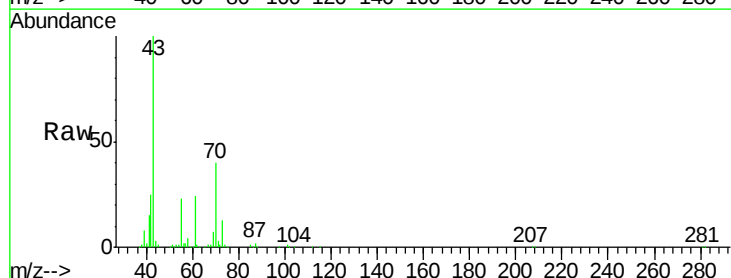
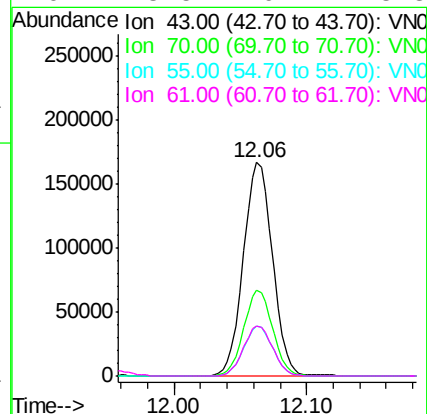
Ion Ratio Lower Upper

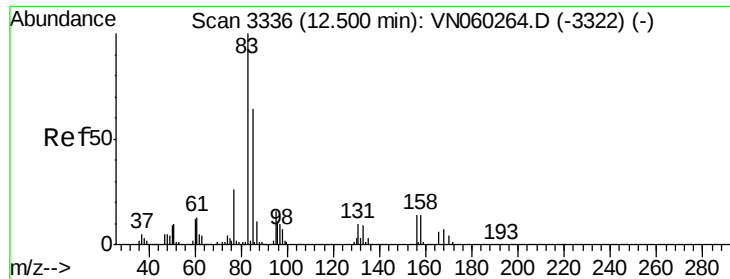
43 100

70 39.7 32.2 48.2

55 23.4 18.2 27.4

61 23.5 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 55.335 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

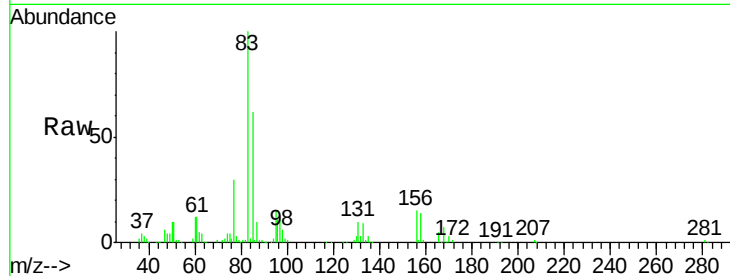
ClientSampleId :

VSTDCCC050

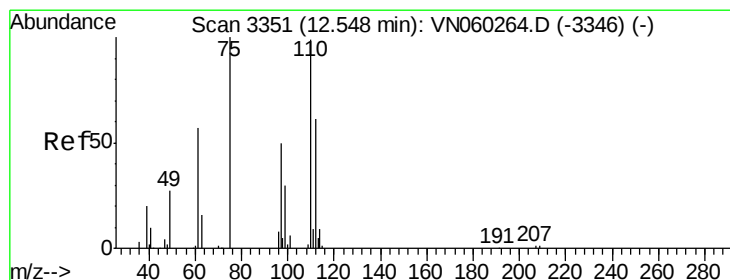
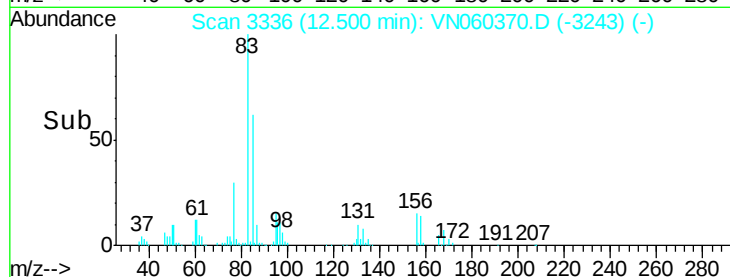
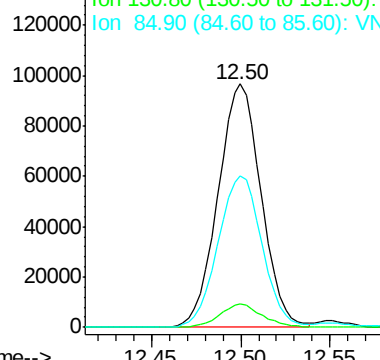
Tot Ion:	83	Resp:	162907
Ion Ratio	Lower	Upper	
83	100		
131	9.5	5.1	15.3
85	63.5	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060370.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 48.233 ug/l m

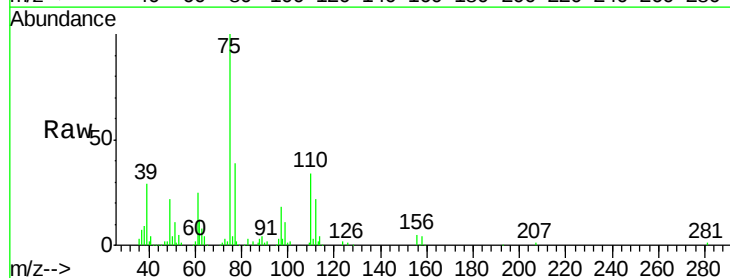
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

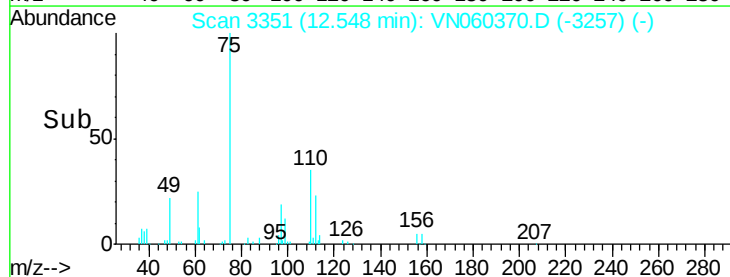
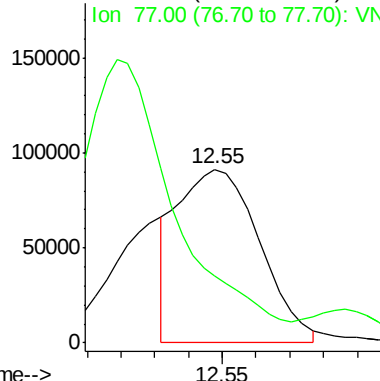
Lab File: VN060370.D

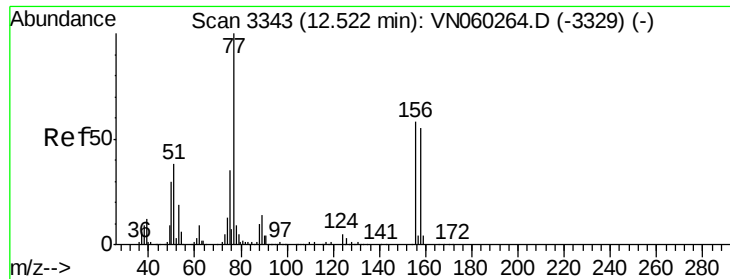
Acq: 6 Mar 2020 10:38

Tgt Ion:	75	Resp:	154634
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060370.D (-3257) (-)





#77

Bromobenzene

Concen: 52.380 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

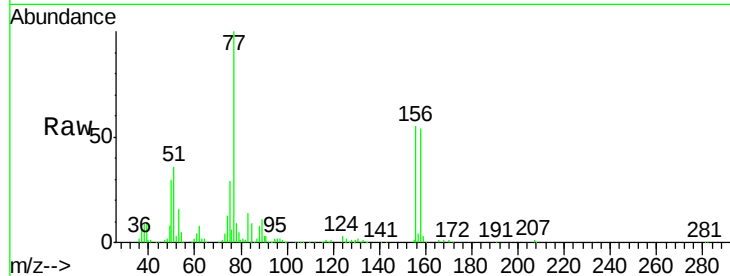
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	139060
Ion Ratio	Lower	Upper	
156	100		
77	216.4	106.1	318.3
158	97.4	48.3	144.8

Manual Integrations
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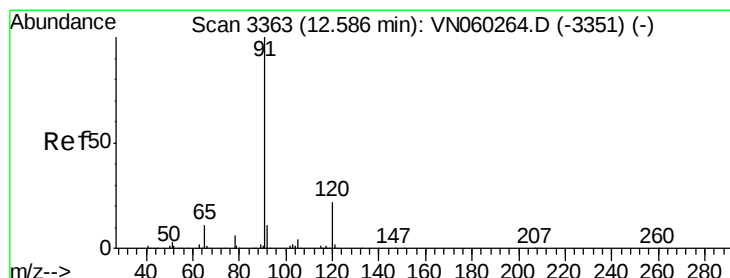
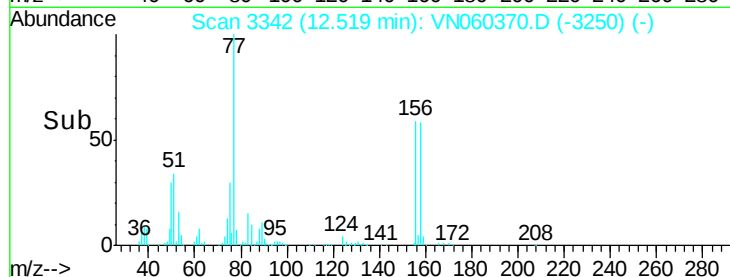
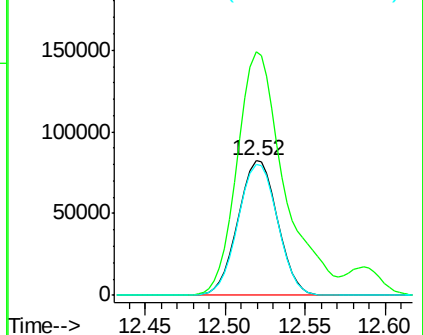
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3/9/2020 11:41:26 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.351 ug/l

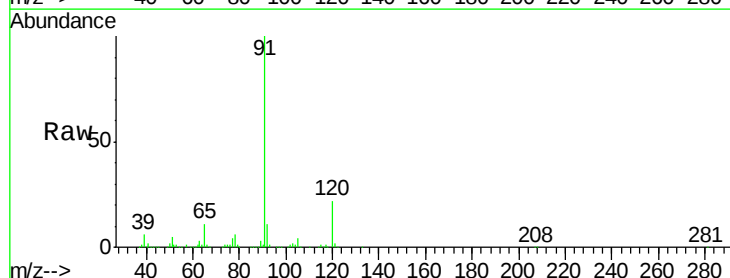
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060370.D

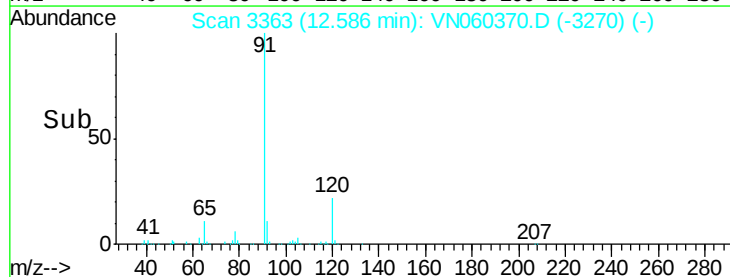
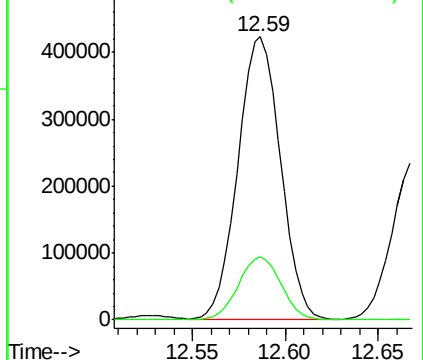
Acq: 6 Mar 2020 10:38

Tgt Ion:	91	Resp:	677303
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.684 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 393157

Ion Ratio Lower Upper

91 100

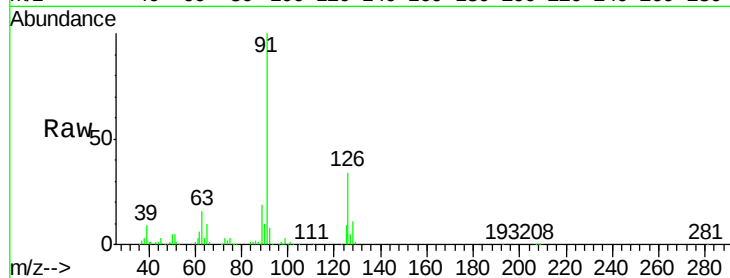
126 33.6 16.6 49.8

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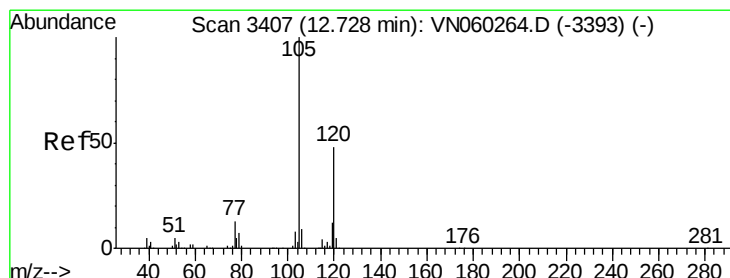
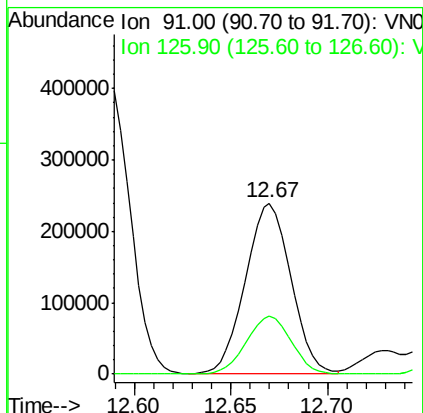
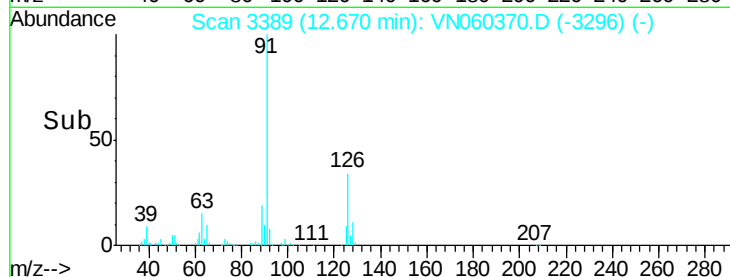
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Abundance Ion 91.00 (90.70 to 91.70): VN060370.D (-3296) (-)

Ion 125.90 (125.60 to 126.60): VN060370.D (-3296) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.231 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060370.D

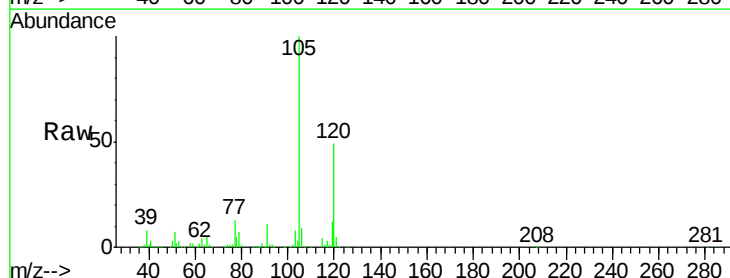
Acq: 6 Mar 2020 10:38

Tgt Ion: 105 Resp: 485398

Ion Ratio Lower Upper

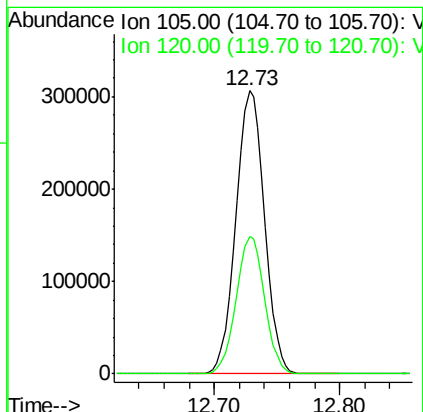
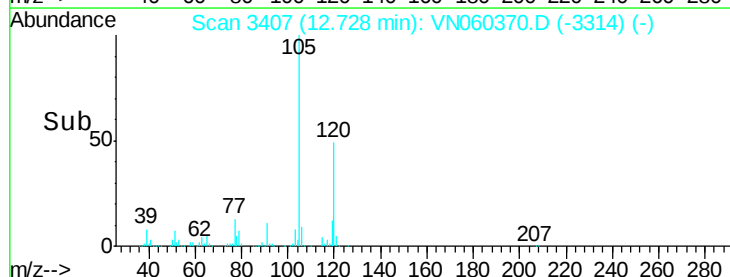
105 100

120 48.1 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN060370.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060370.D (-3314) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 57.081 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

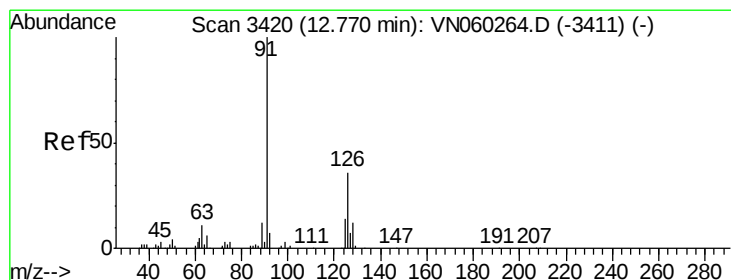
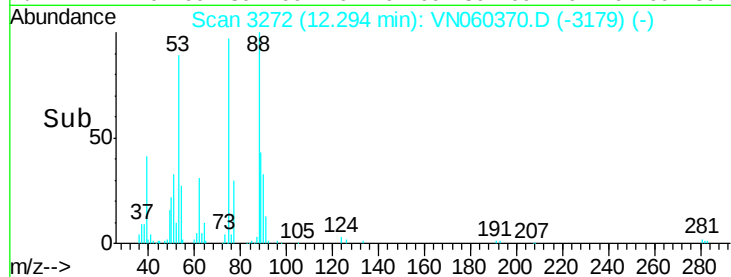
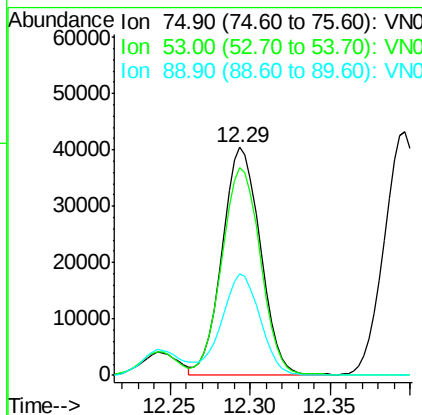
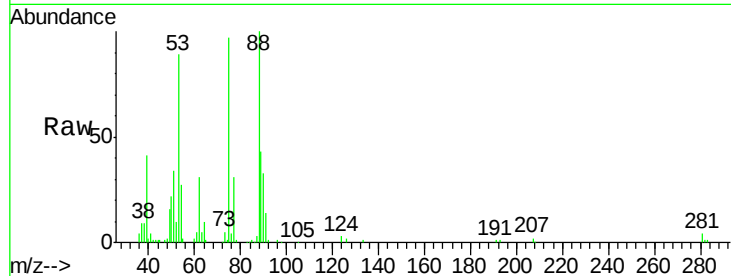
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	66293
Ion Ratio	Lower	Upper	
75	100		
53	92.1	73.8	110.6
89	44.8	57.1	85.7#

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#82

4-Chlorotoluene

Concen: 52.174 ug/l

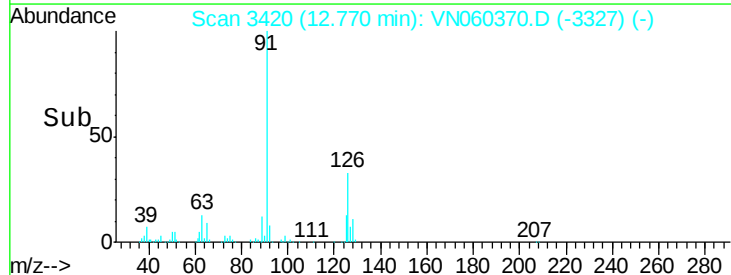
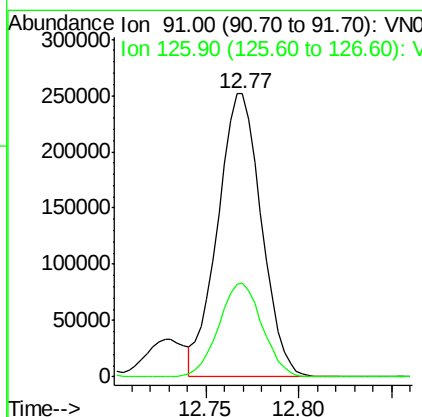
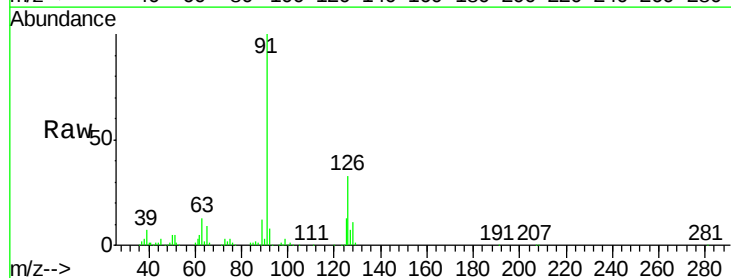
RT: 12.77 min Scan# 3420

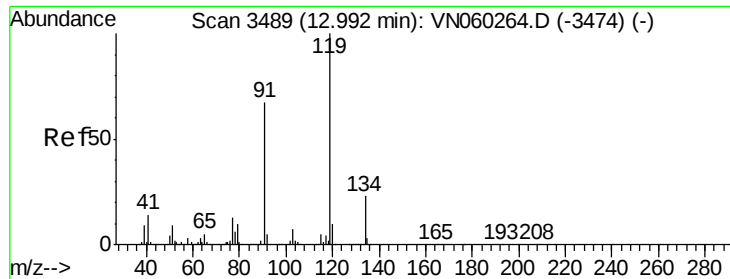
Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Tgt Ion:	91	Resp:	410209
Ion Ratio	Lower	Upper	
91	100		
126	33.2	16.7	50.1





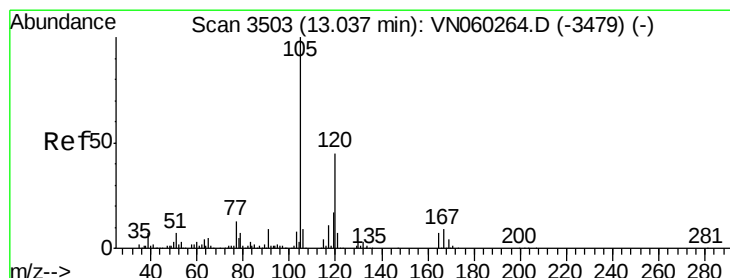
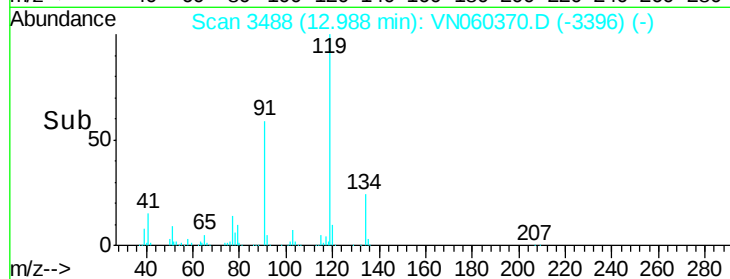
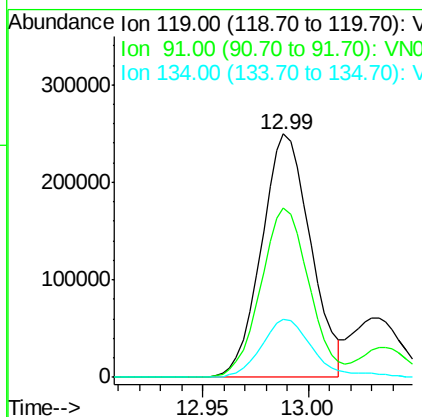
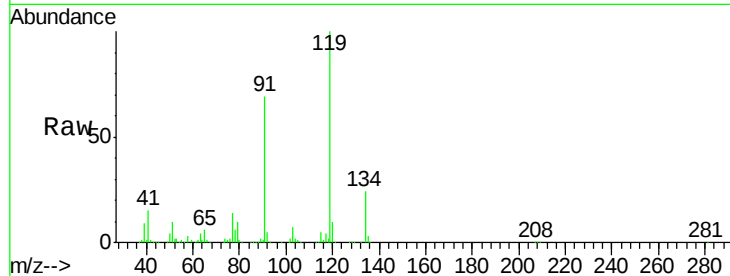
#83
 tert-Butylbenzene
 Concen: 51.197 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	33.1	99.2
134	25.1	12.4	37.0

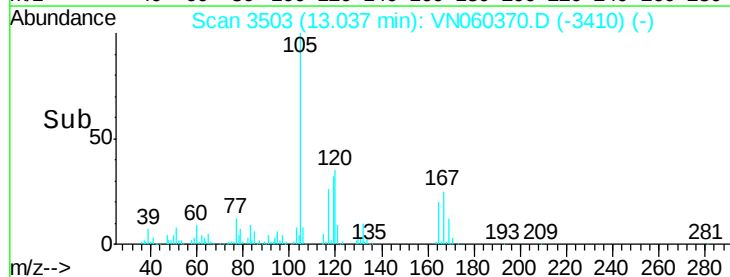
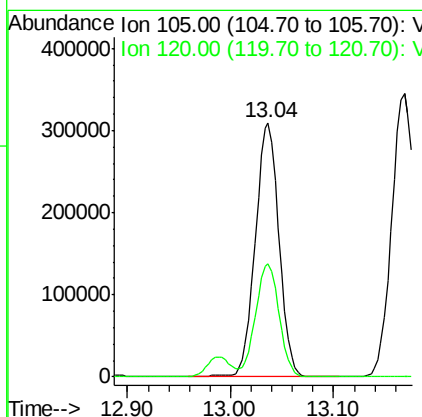
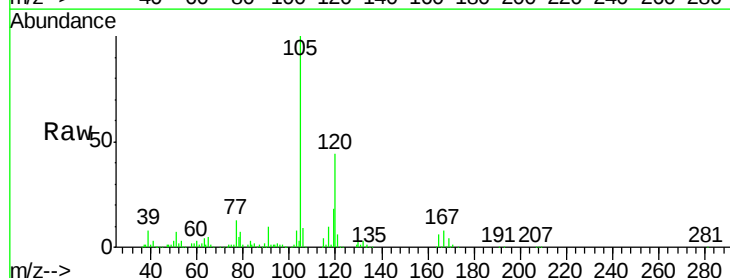
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.170 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.3	66.9





#85

sec-Butylbenzene

Concen: 52.019 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Instrument :

MSVOA_N

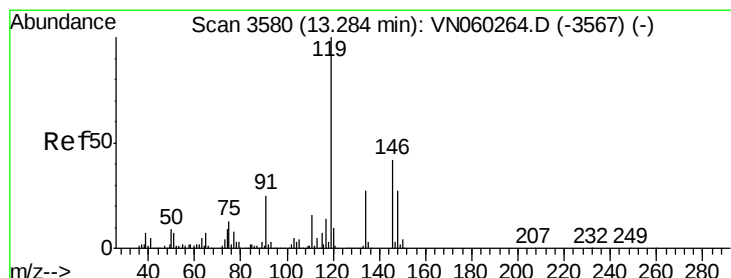
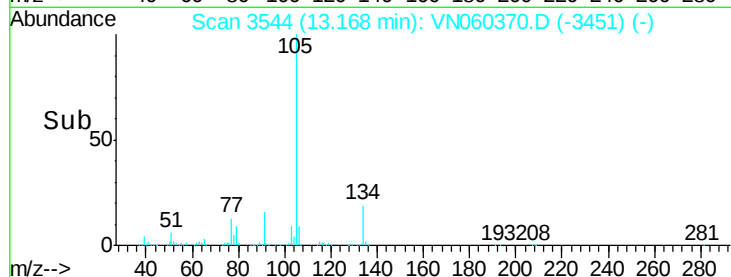
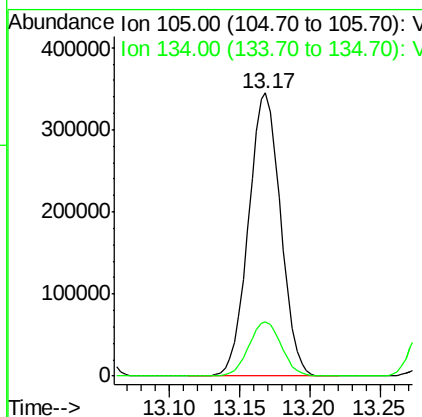
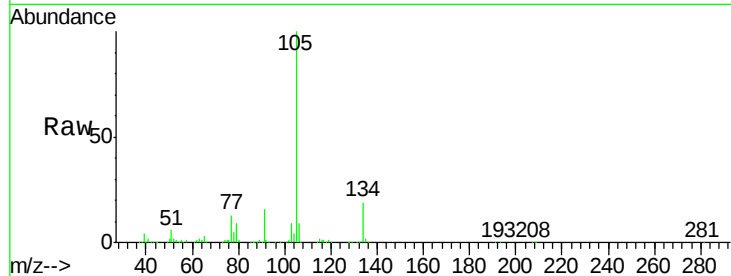
ClientSampleId :

VSTDCCC050

Tot Ion:	105	Resp:	549957
Ion Ratio	Lower	Upper	
105	100		
134	19.4	9.8	29.5

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3/9/2020 11:41:26 AM



#86

p-Isopropyltoluene

Concen: 50.986 ug/l

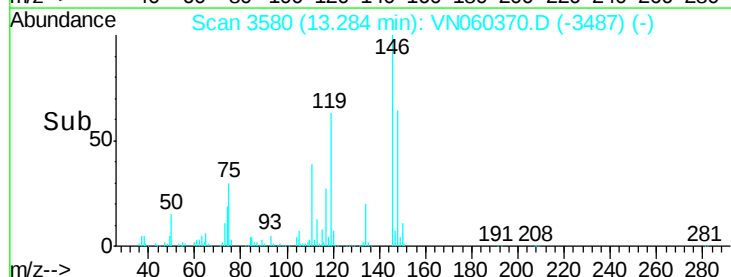
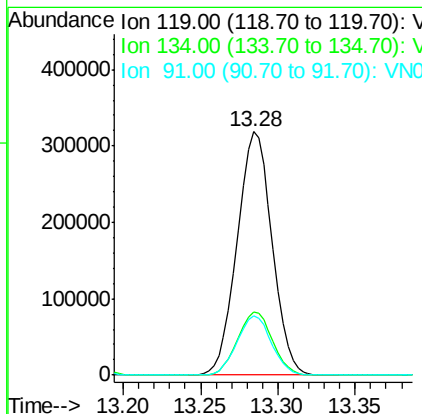
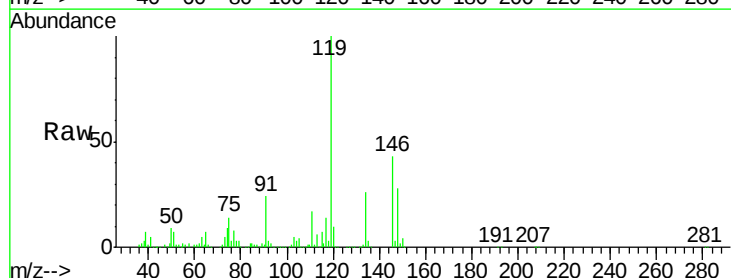
RT: 13.28 min Scan# 3580

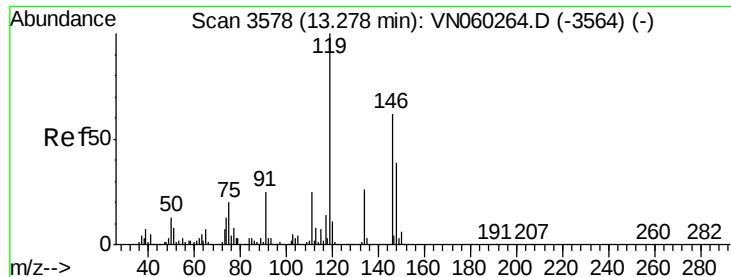
Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Tgt Ion:	119	Resp:	498912
Ion Ratio	Lower	Upper	
119	100		
134	26.1	13.2	39.6
91	24.2	12.2	36.6





#87

1,3-Dichlorobenzene

Concen: 55.365 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060370.D

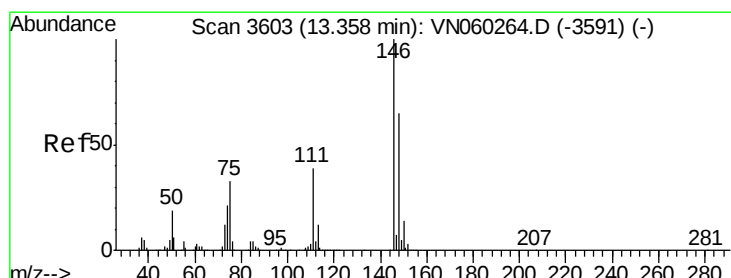
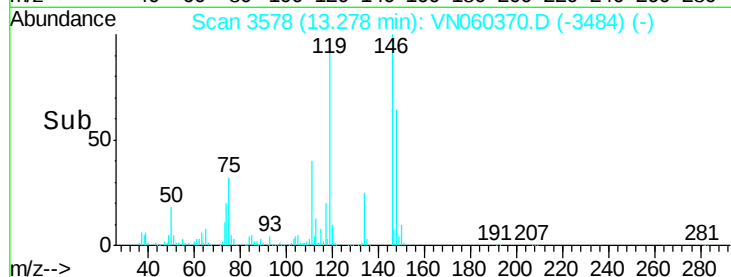
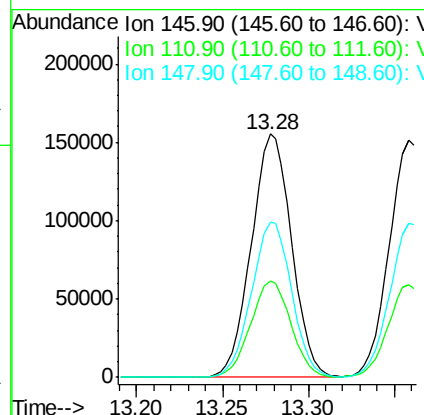
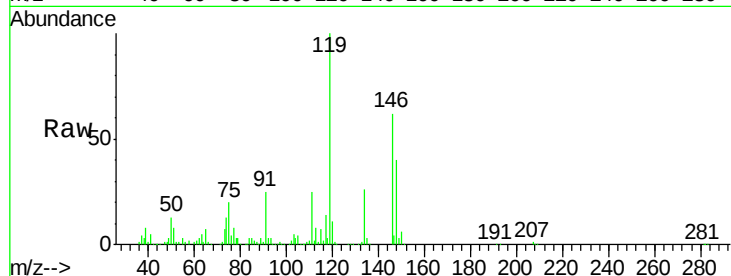
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.0	59.9
148	63.6	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 54.967 ug/l

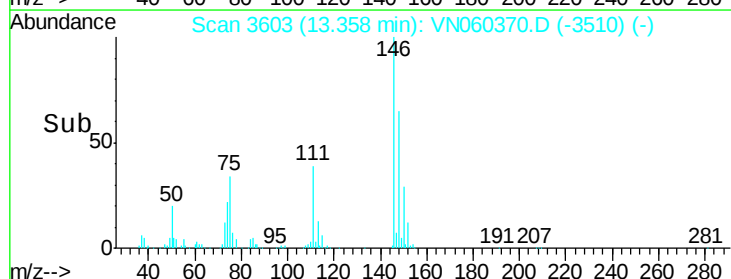
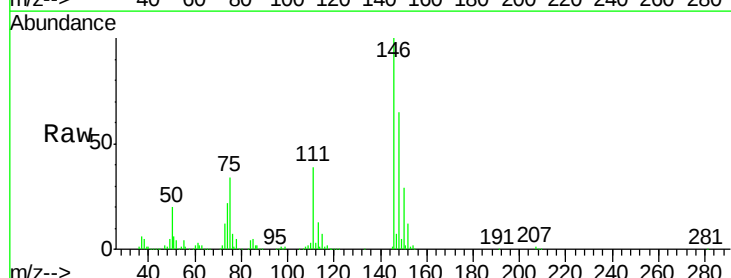
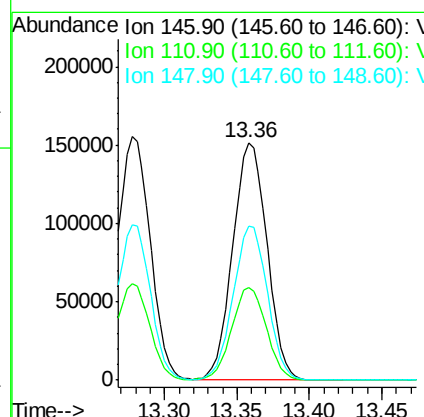
RT: 13.36 min Scan# 3603

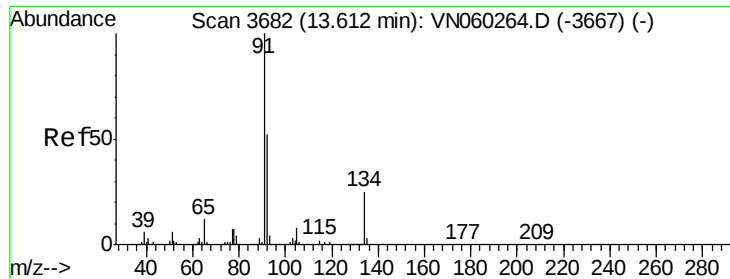
Delta R.T. 0.00 min

Lab File: VN060370.D

Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.8	59.4
148	64.4	32.3	96.9





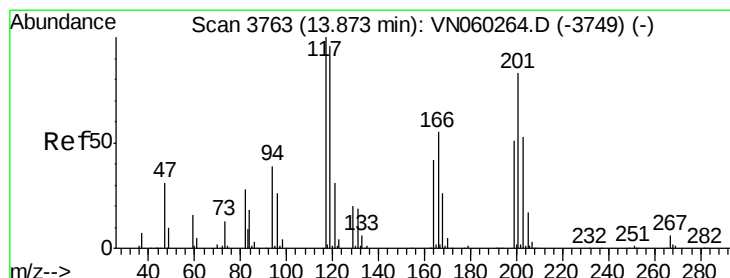
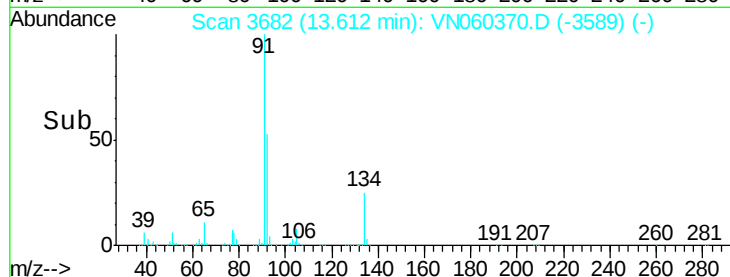
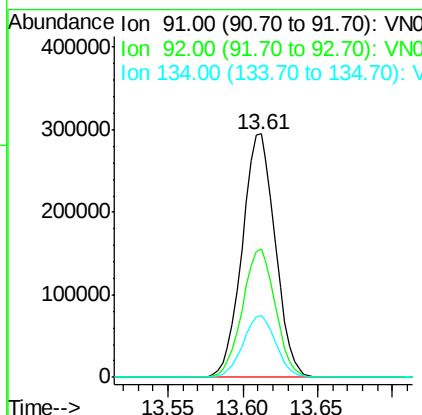
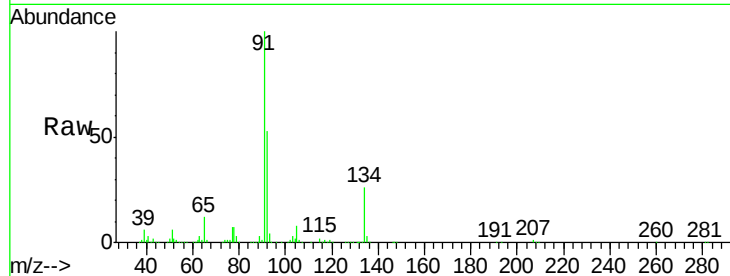
#89
n-Butylbenzene
Concen: 50.476 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.0	78.0
134	25.3	12.7	38.1

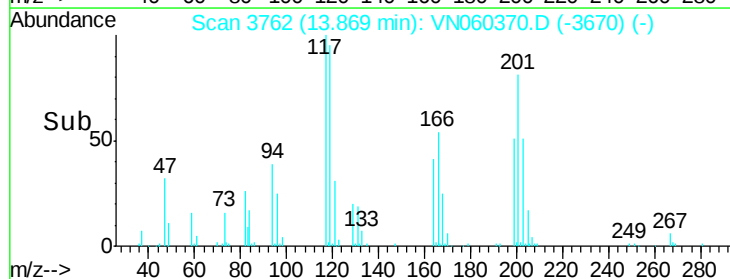
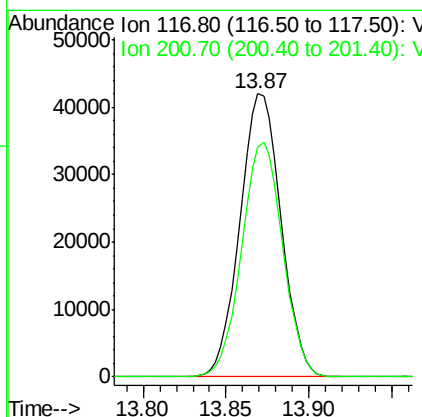
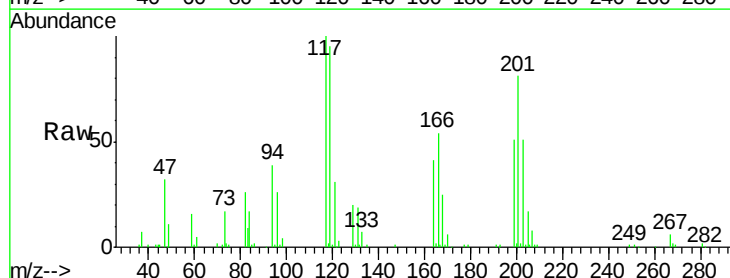
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3/9/2020 11:41:26 AM



#90
Hexachloroethane
Concen: 51.124 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.6	41.0	123.0





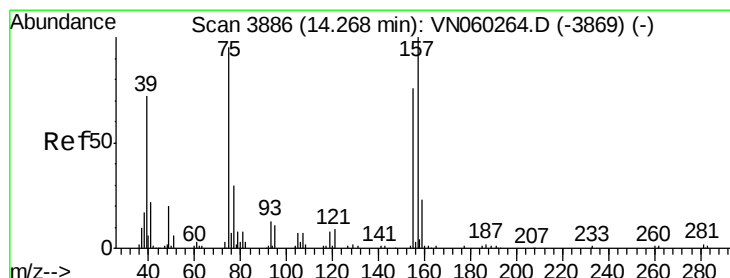
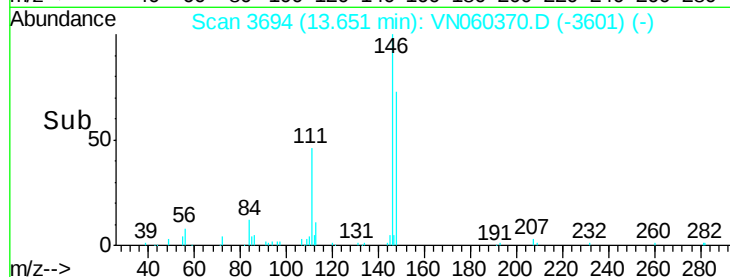
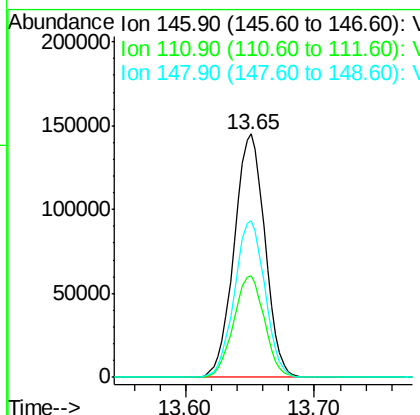
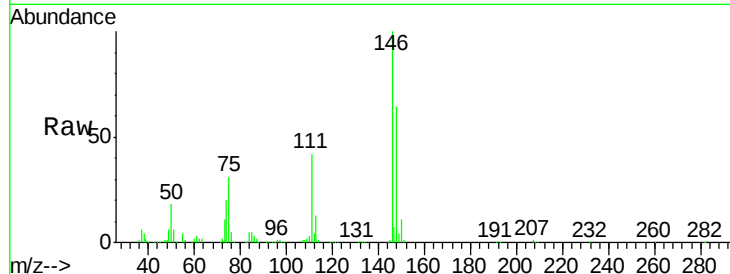
#91
 1,2-Dichlorobenzene
 Concen: 51.661 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.3	61.0
148	64.0	31.8	95.3

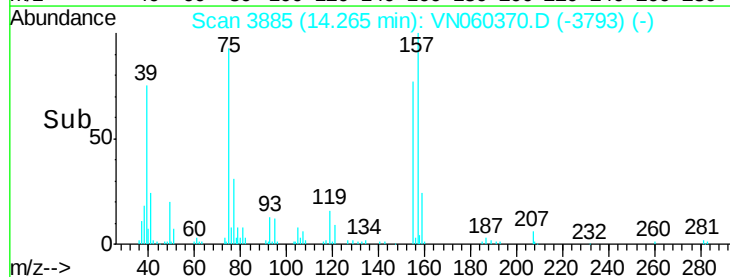
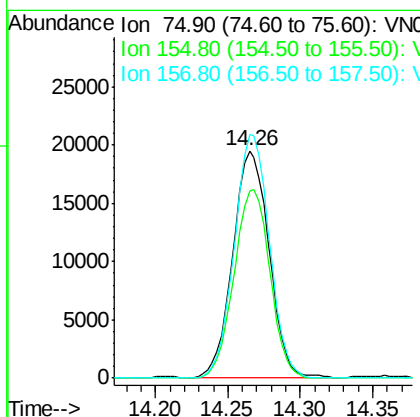
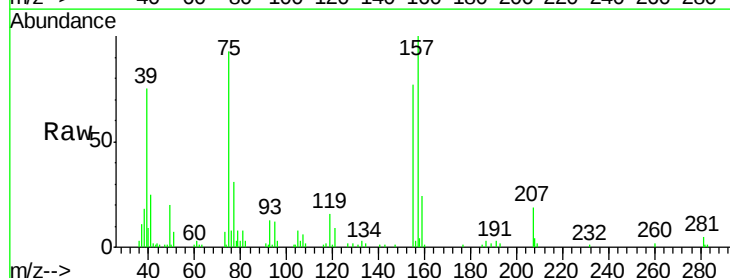
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.954 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	40.4	121.2
157	103.6	52.5	157.5





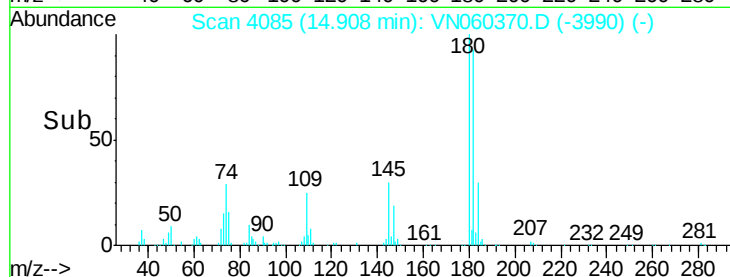
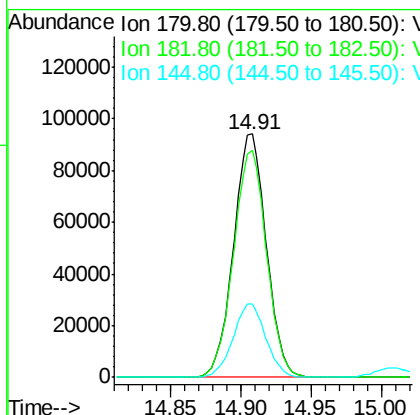
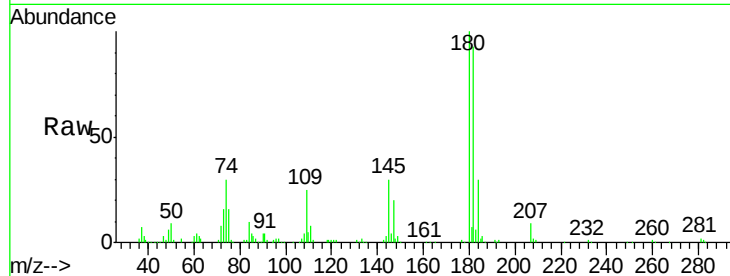
#93
 1,2,4-Trichlorobenzene
 Concen: 51.633 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152632		
182	94.5	47.8	143.3	
145	30.1	15.4	46.1	

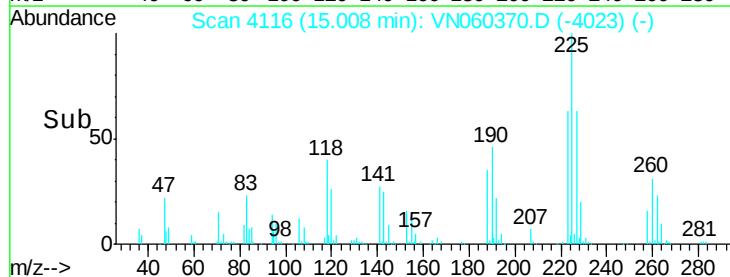
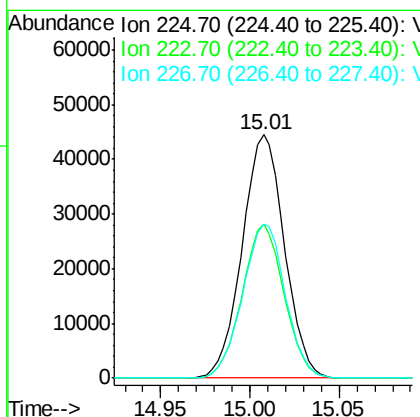
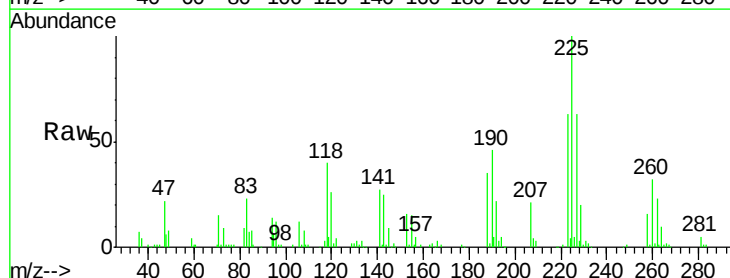
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 54.119 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060370.D
 Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73472		
223	62.6	31.3	93.9	
227	63.8	32.3	96.9	





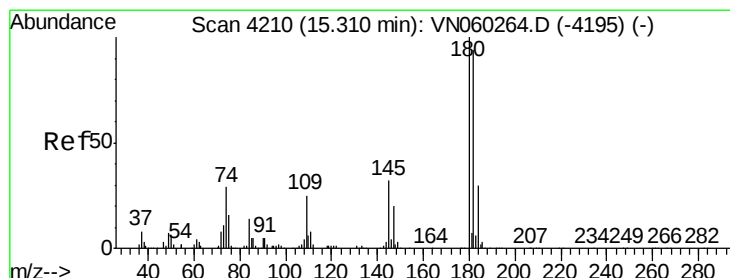
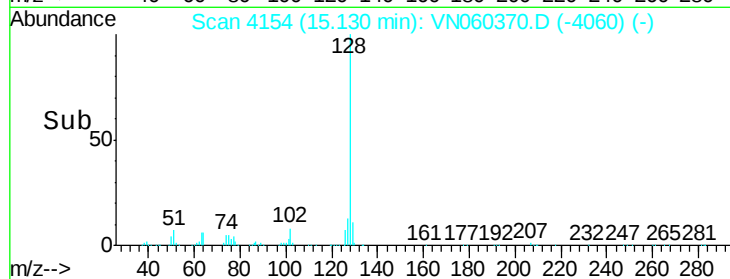
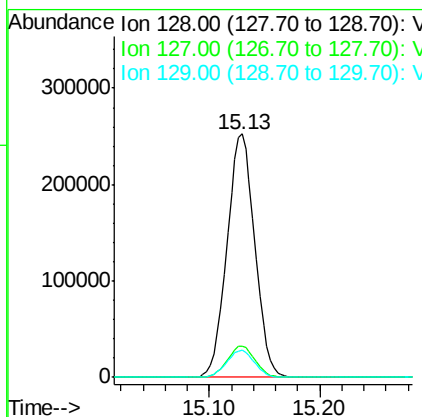
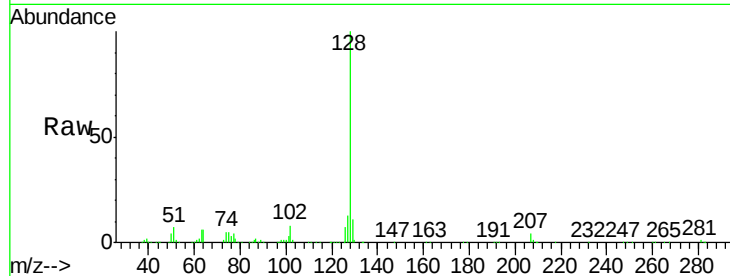
#95
Naphthalene
Concen: 50.502 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/9/2020 11:41:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.240 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060370.D
Acq: 6 Mar 2020 10:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	142.0
145	32.6	16.2	48.5

