

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031020\
 Data File : VN060433.D
 Acq On : 10 Mar 2020 21:26
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/11/2020 3:23:16 PM

Quant Time: Mar 11 07:54:57 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	191975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	319588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148734	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	119735	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.57	113	88672	59.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.56%	
50) Toluene-d8	10.08	98	353042	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	12.40	95	137049	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	72189	41.014	ug/l	100
3) Chloromethane	2.04	50	134576	43.916	ug/l	100
4) Vinyl Chloride	2.16	62	110589	42.080	ug/l	99
5) Bromomethane	2.54	94	43686	40.857	ug/l	99
6) Chloroethane	2.68	64	61070	42.889	ug/l	97
7) Trichlorofluoromethane	3.00	101	147553	43.944	ug/l	99
8) Diethyl Ether	3.38	74	58128	45.850	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	86380	45.456	ug/l	100
10) Methyl Iodide	3.93	142	63644	36.697	ug/l	99
11) Tert butyl alcohol	4.73	59	89093	243.601	ug/l	99
12) 1,1-Dichloroethene	3.72	96	84413	45.762	ug/l	98
13) Acrolein	3.58	56	90067	263.974	ug/l	100
14) Allyl chloride	4.29	41	145757	42.862	ug/l	92
15) Acrylonitrile	4.94	53	254440	263.941	ug/l	99
16) Acetone	3.78	43	207853	261.319	ug/l	100
17) Carbon Disulfide	4.03	76	205389	41.849	ug/l	99
18) Methyl Acetate	4.29	43	144640	54.491	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	323636	48.331	ug/l	98
20) Methylene Chloride	4.52	84	100627	46.066	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	90329	45.547	ug/l	95
22) Diisopropyl ether	5.92	45	351425	51.018	ug/l	99
23) Vinyl Acetate	5.86	43	1333444	243.614	ug/l	99
24) 1,1-Dichloroethane	5.82	63	189859	48.692	ug/l	99
25) 2-Butanone	6.80	43	338419	263.411	ug/l	100
26) 2,2-Dichloropropane	6.80	77	146638	41.310	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	114331	45.137	ug/l	99
28) Bromochloromethane	7.17	49	77999	48.721	ug/l	97
29) Tetrahydrofuran	7.18	42	226896	253.971	ug/l	99
30) Chloroform	7.35	83	191276	49.278	ug/l	99
31) Cyclohexane	7.63	56	160238	48.107	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	166261	48.345	ug/l	100
36) 1,1-Dichloropropene	7.77	75	136713	44.885	ug/l	99
37) Ethyl Acetate	6.90	43	144659	50.159	ug/l	99
38) Carbon Tetrachloride	7.75	117	136245	45.944	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	152415	42.441	ug/l	96
40) Benzene	8.02	78	415473	46.866	ug/l	99
41) Methacrylonitrile	7.14	41	55748m	41.864	ug/l	
42) 1,2-Dichloroethane	8.10	62	153269	47.911	ug/l	99
43) Isopropyl Acetate	8.14	43	250634	49.641	ug/l	99
44) Trichloroethene	8.82	130	110193	44.631	ug/l	96
45) 1,2-Dichloropropane	9.10	63	116831	50.406	ug/l	99
46) Dibromomethane	9.19	93	72463	48.182	ug/l	98
47) Bromodichloromethane	9.39	83	153075	50.044	ug/l	100
48) Methyl methacrylate	9.18	41	114111	49.562	ug/l	98
49) 1,4-Dioxane	9.18	88	30539	943.204	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	750460	262.153	ug/l	100
52) Toluene	10.14	92	261023	46.873	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	171486	45.754	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	180300	46.425	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	106615	47.608	ug/l	99
56) Ethyl methacrylate	10.42	69	164223	51.044	ug/l	98
57) 1,3-Dichloropropane	10.70	76	180334	49.379	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	411008	244.262	ug/l	99
59) 2-Hexanone	10.74	43	543340	258.506	ug/l	100
60) Dibromochloromethane	10.89	129	114209	50.149	ug/l	100
61) 1,2-Dibromoethane	11.00	107	107338	49.169	ug/l	98
64) Tetrachloroethene	10.62	164	108458	45.645	ug/l	98
65) Chlorobenzene	11.43	112	276923	45.566	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	106780	47.519	ug/l	99
67) Ethyl Benzene	11.51	91	510154	46.094	ug/l	100
68) m/p-Xylenes	11.62	106	377274	90.350	ug/l	99
69) o-Xylene	11.94	106	185504	46.587	ug/l	99
70) Styrene	11.96	104	308990	47.197	ug/l	100
71) Bromoform	12.12	173	81784	50.499	ug/l #	100
73) Isopropylbenzene	12.25	105	499306	45.293	ug/l	99
74) N-amyl acetate	12.07	43	214533	44.535	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	154396	51.524	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	130688m	40.049	ug/l	
77) Bromobenzene	12.52	156	121745	45.053	ug/l	98
78) n-propylbenzene	12.59	91	587433	45.459	ug/l	100
79) 2-Chlorotoluene	12.67	91	345388	45.470	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	419322	45.177	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	54724	46.293	ug/l #	86
82) 4-Chlorotoluene	12.77	91	357238	44.639	ug/l	99
83) tert-Butylbenzene	12.99	119	360090	44.809	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	420021	44.834	ug/l	99
85) sec-Butylbenzene	13.17	105	480808	44.680	ug/l	100
86) p-Isopropyltoluene	13.28	119	433800	43.554	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	217377	46.803	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	218015	47.200	ug/l	99
89) n-Butylbenzene	13.61	91	391437	42.812	ug/l	100
90) Hexachloroethane	13.87	117	60343	41.856	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	212999	44.984	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	31720	46.744	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	133248	44.297	ug/l	100
94) Hexachlorobutadiene	15.01	225	61749	44.585	ug/l	99
95) Naphthalene	15.13	128	399419	45.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	128226	45.236	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 191975

Ion Ratio Lower Upper

168 100

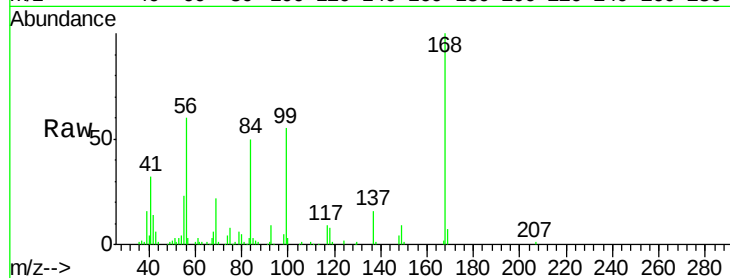
99 55.3 44.7 67.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

80000

60000

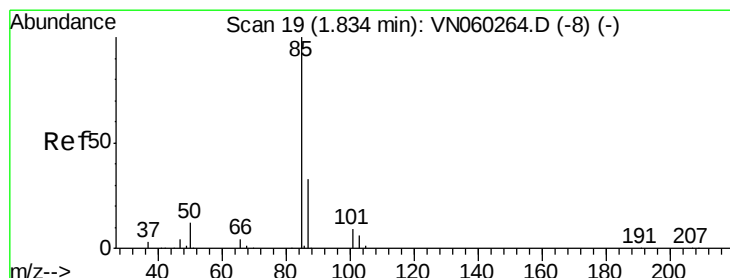
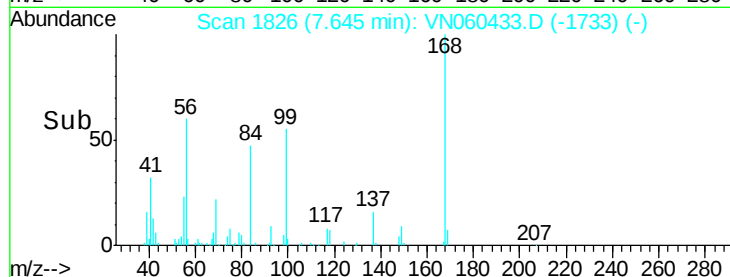
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 41.014 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060433.D

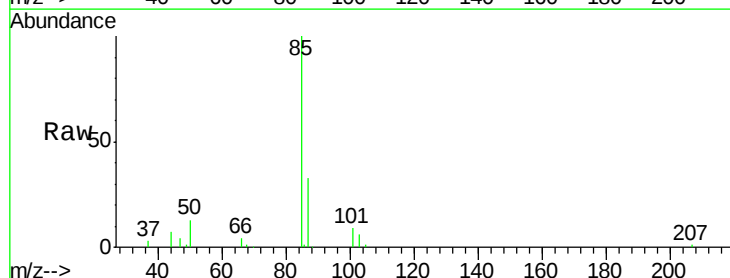
Acq: 10 Mar 2020 21:26

Tgt Ion: 85 Resp: 72189

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

1.83

60000

50000

40000

30000

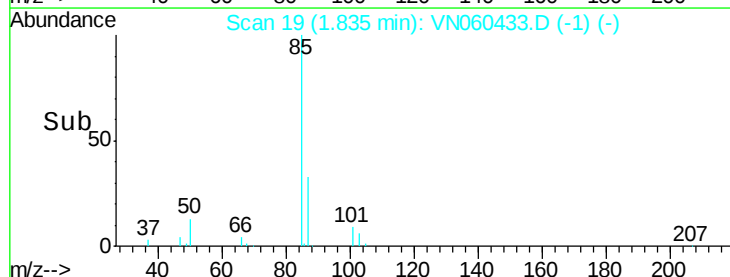
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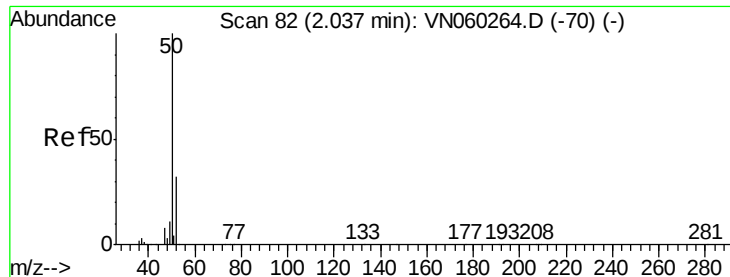
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 43.916 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 134576

Ion Ratio Lower Upper

50 100

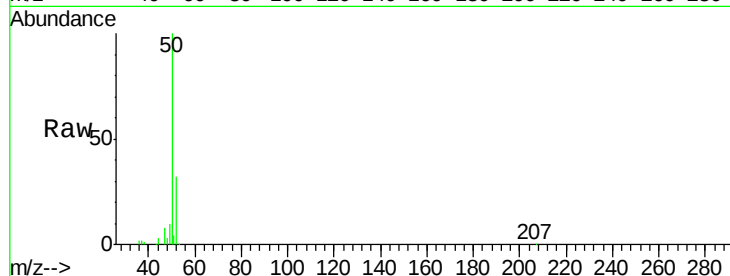
52 32.1 25.6 38.4

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

120000

100000

80000

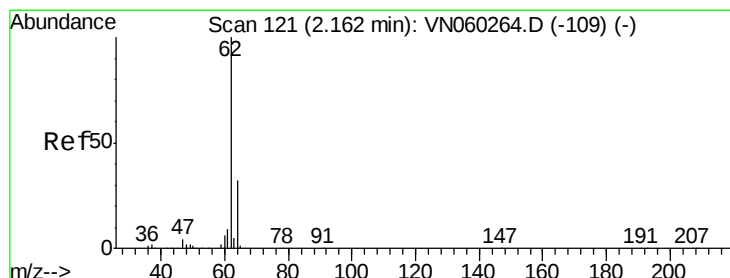
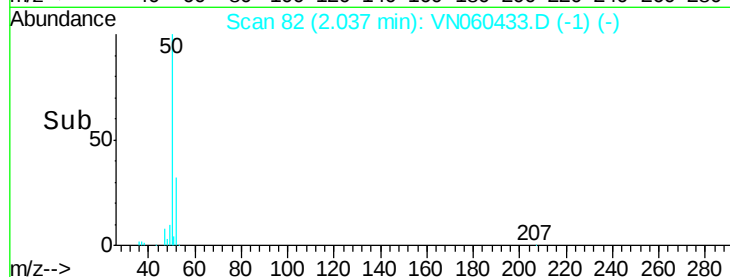
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 42.080 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060433.D

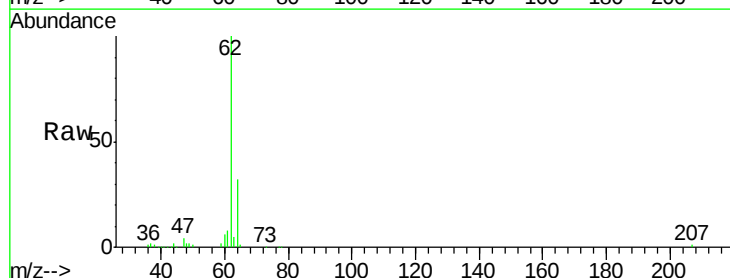
Acq: 10 Mar 2020 21:26

Tgt Ion: 62 Resp: 110589

Ion Ratio Lower Upper

62 100

64 31.6 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

80000

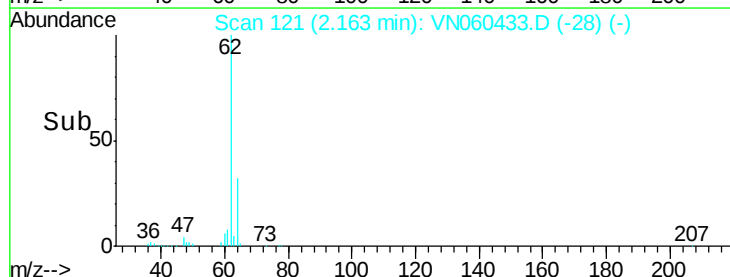
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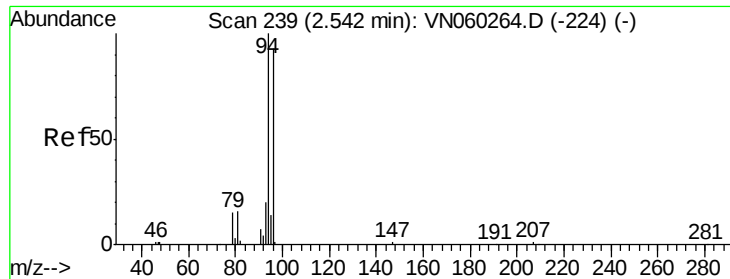
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 40.857 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.01 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 43686

Ion Ratio Lower Upper

94 100

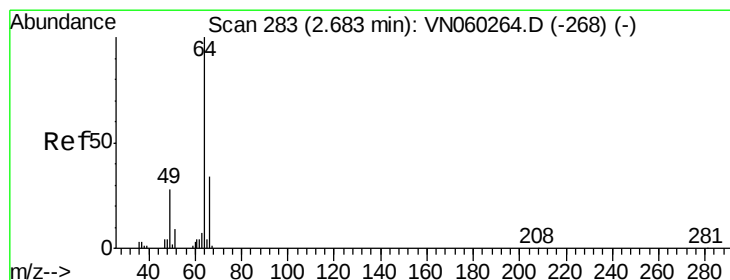
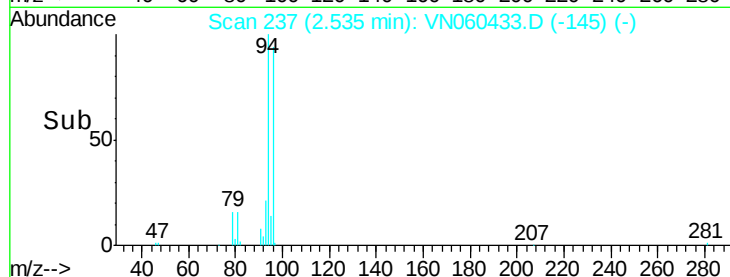
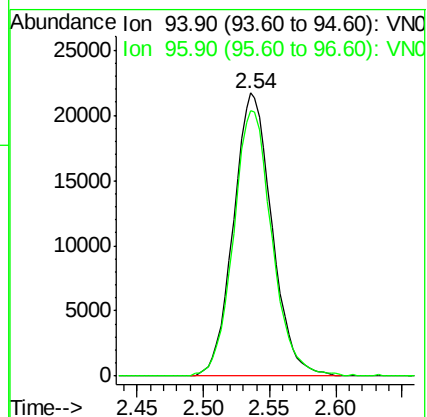
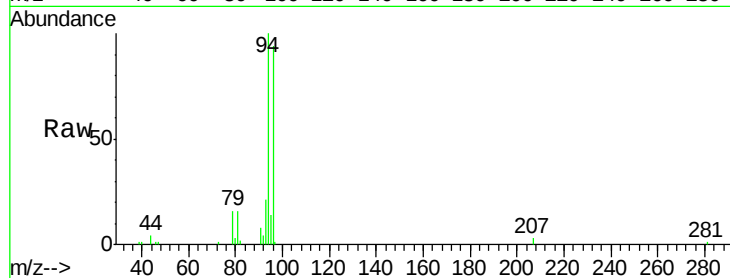
96 93.9 74.3 111.5

Manual Integrations

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#6

Chloroethane

Concen: 42.889 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060433.D

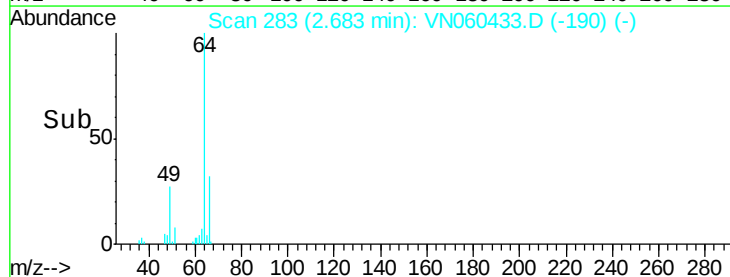
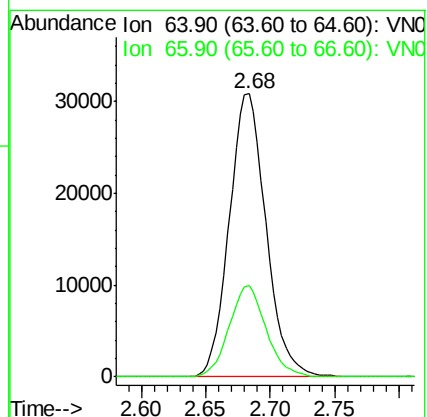
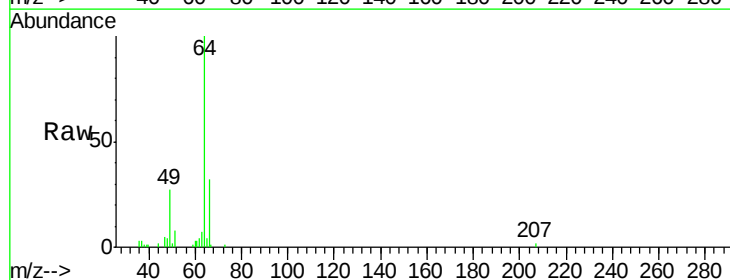
Acq: 10 Mar 2020 21:26

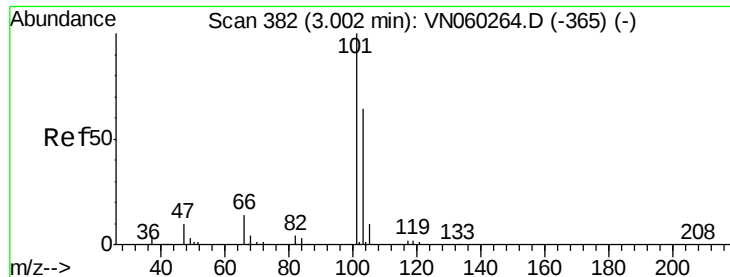
Tgt Ion: 64 Resp: 61070

Ion Ratio Lower Upper

64 100

66 32.3 27.4 41.2





#7

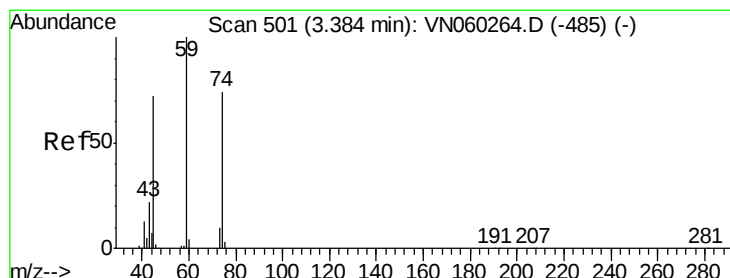
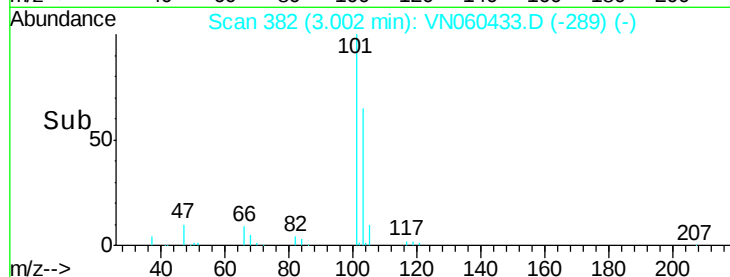
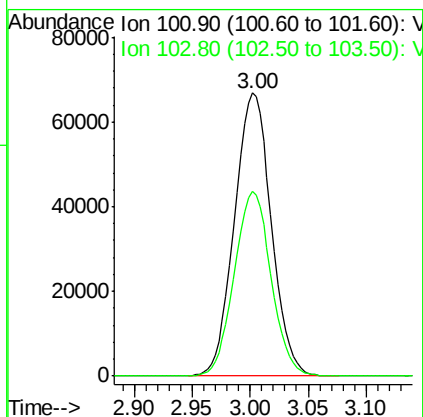
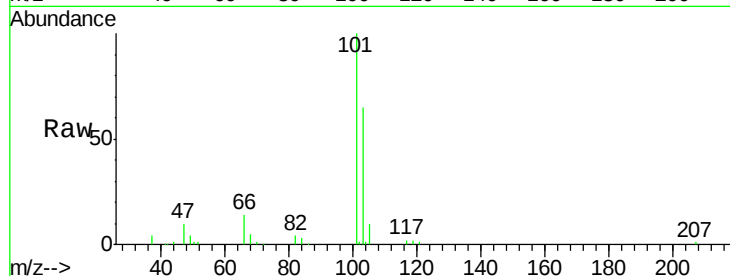
Trichlorofluoromethane
Concen: 43.944 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN060433.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.3	76.9

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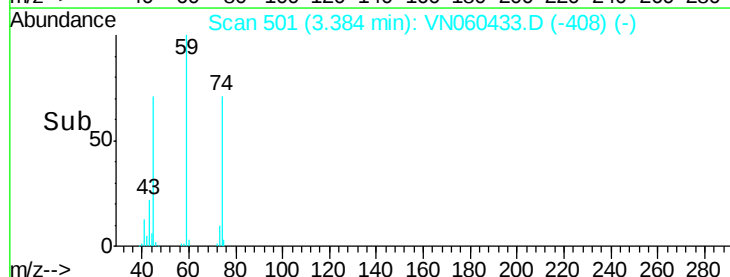
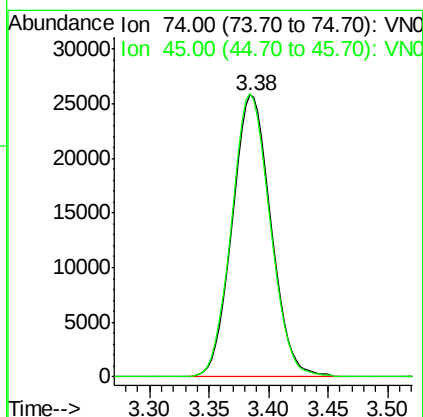
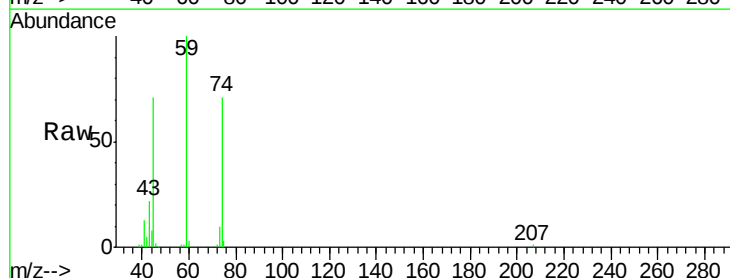
MMDadoda
3/11/2020 3:23:16 PM



#8

Diethyl Ether
Concen: 45.850 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN060433.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.456 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

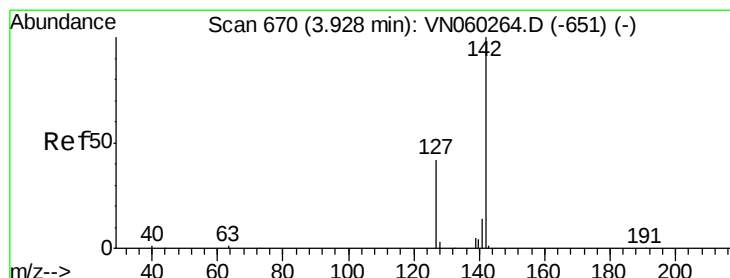
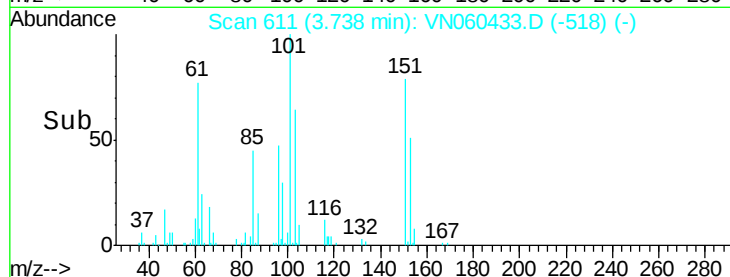
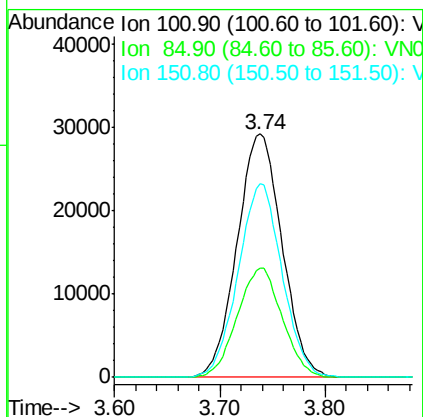
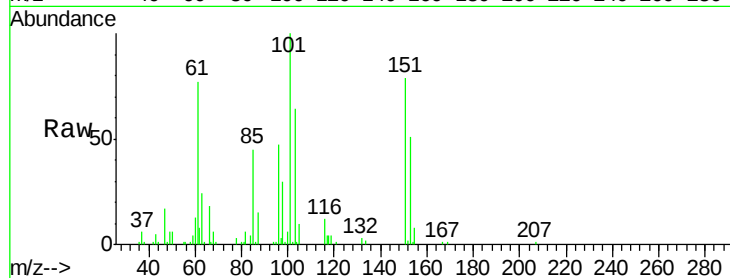
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	86380
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.4	53.2
151	77.8	62.0	93.0

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#10

Methyl Iodide

Concen: 36.697 ug/l

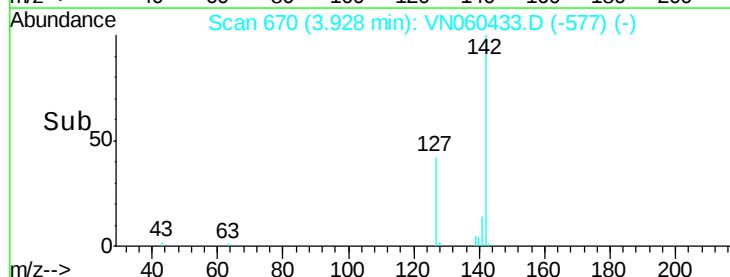
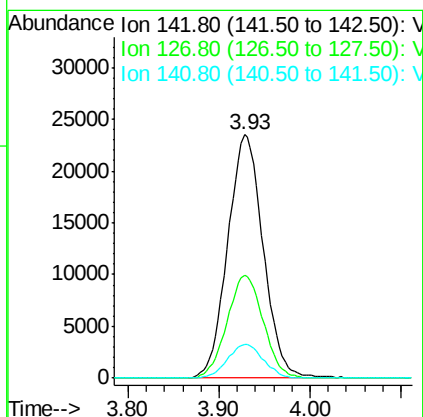
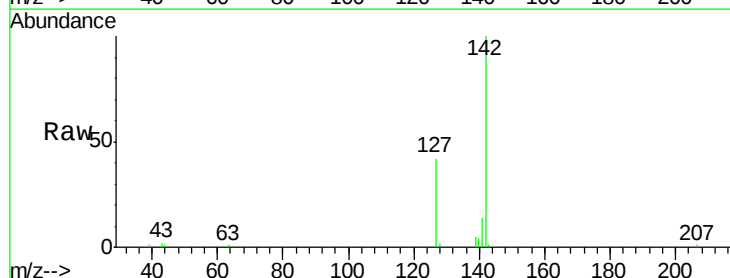
RT: 3.93 min Scan# 670

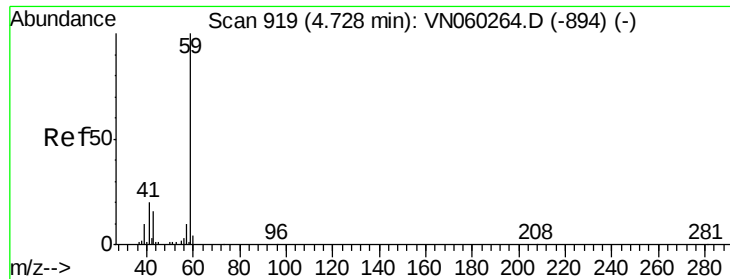
Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion:	142	Resp:	63644
Ion Ratio	Lower	Upper	
142	100		
127	42.9	33.8	50.6
141	14.0	11.1	16.7





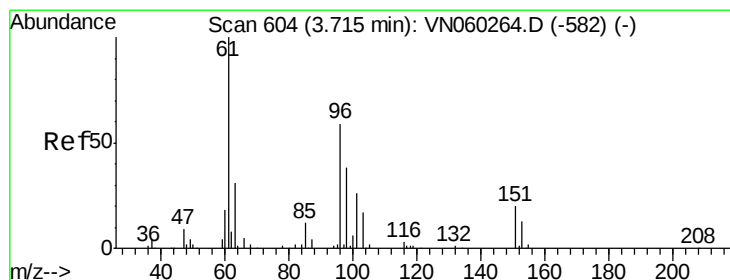
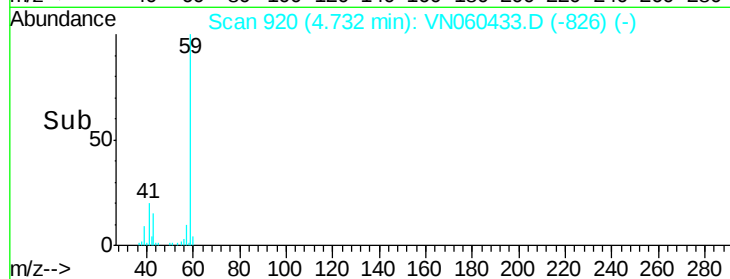
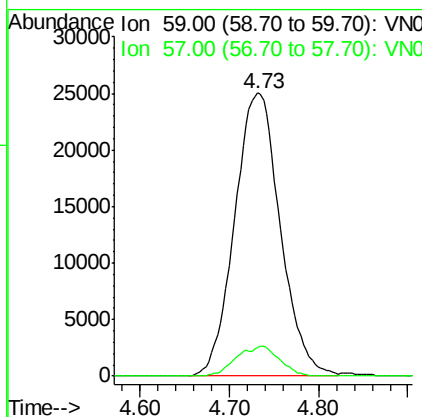
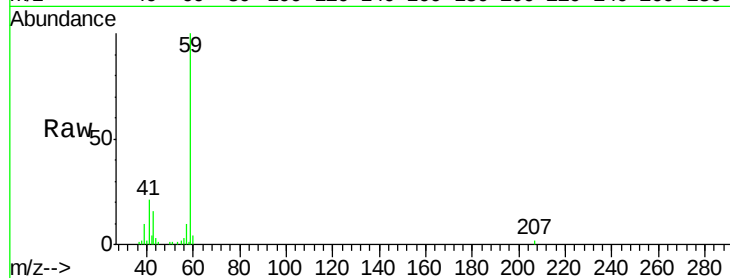
#11
Tert butyl alcohol
Concen: 243.601 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.2	12.2

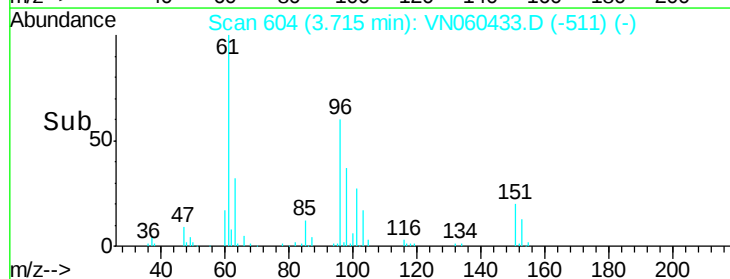
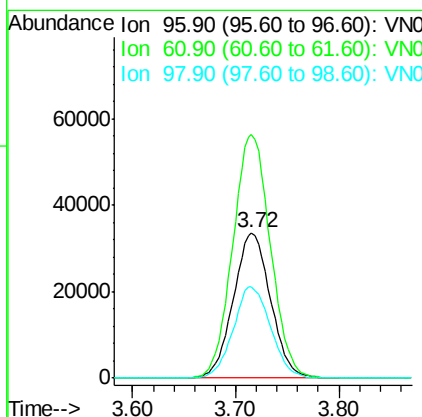
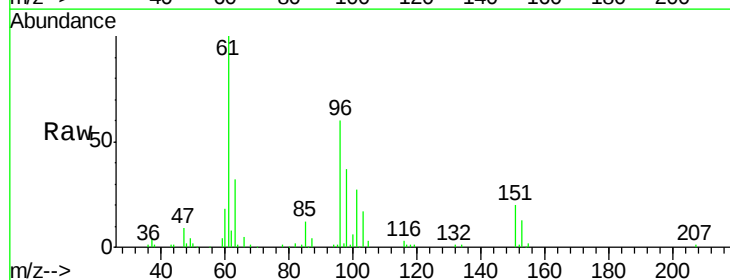
Manual Integrations
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#12
1,1-Dichloroethene
Concen: 45.762 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.3	135.4	203.0
98	62.5	51.6	77.4





#13

Acrolein

Concen: 263.974 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 90067

Ion Ratio Lower Upper

56 100

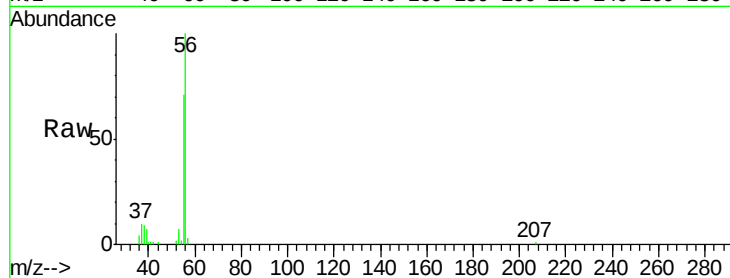
55 72.0 57.4 86.0

Manual Integrations

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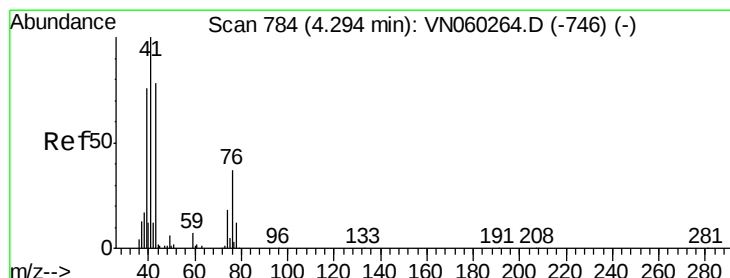
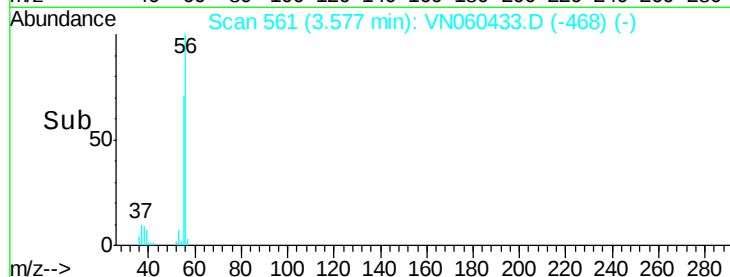
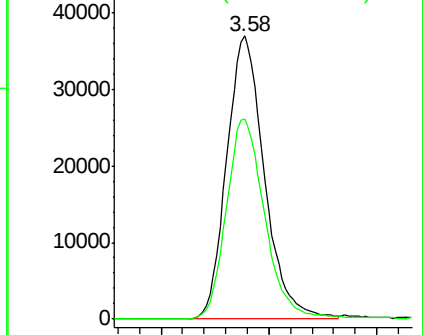
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 42.862 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

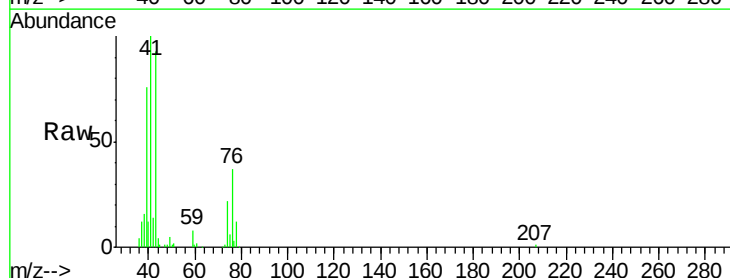
Tgt Ion: 41 Resp: 145757

Ion Ratio Lower Upper

41 100

39 76.8 55.4 83.2

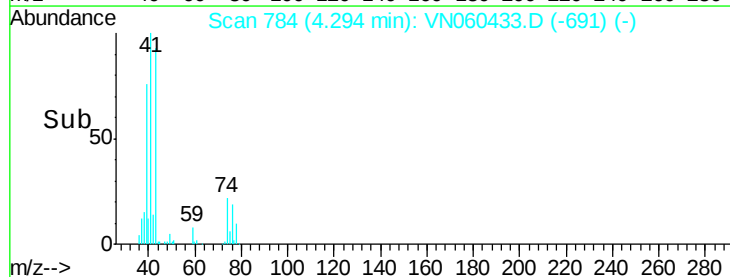
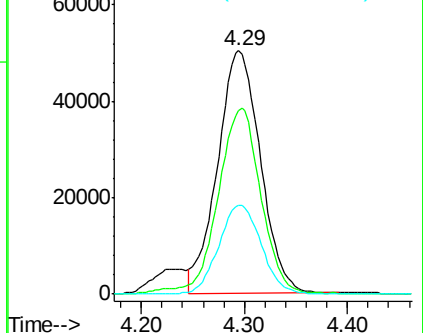
76 36.4 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 263.941 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

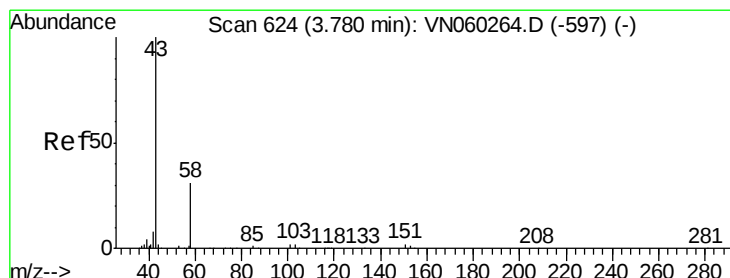
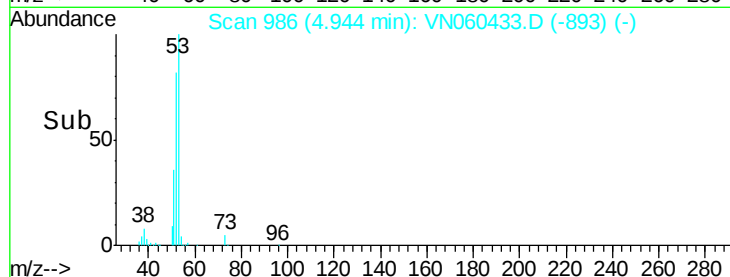
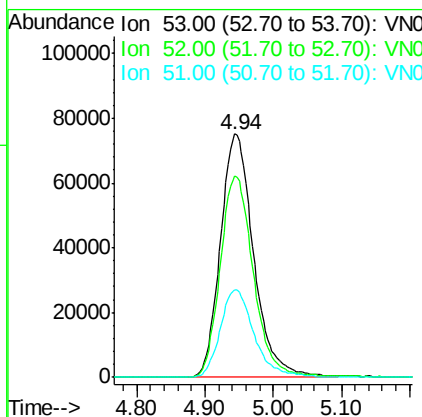
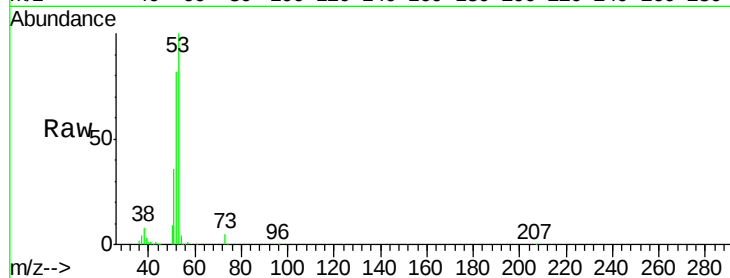
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	254440
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.8	100.2
51	36.8	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 261.319 ug/l

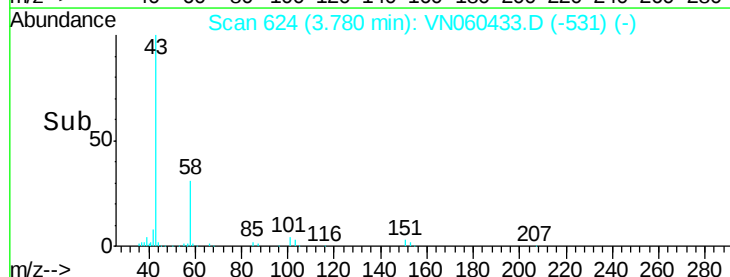
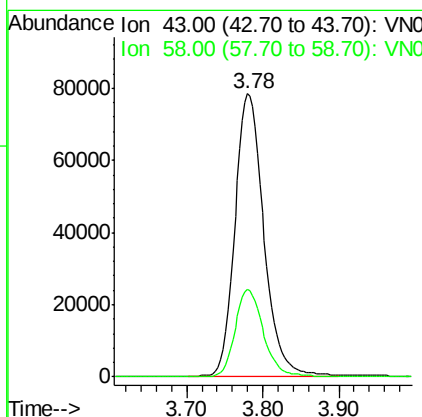
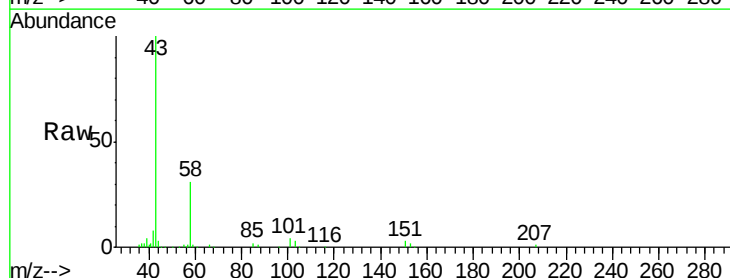
RT: 3.78 min Scan# 624

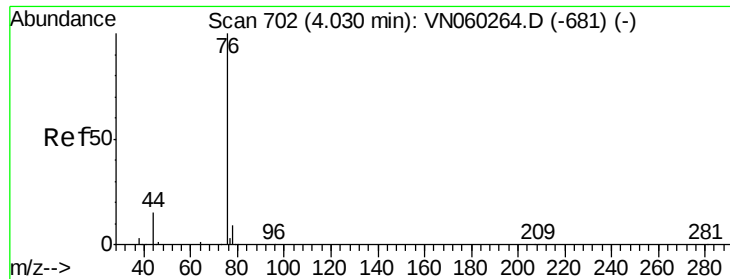
Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion:	43	Resp:	207853
Ion	Ratio	Lower	Upper
43	100		
58	30.7	24.6	36.8





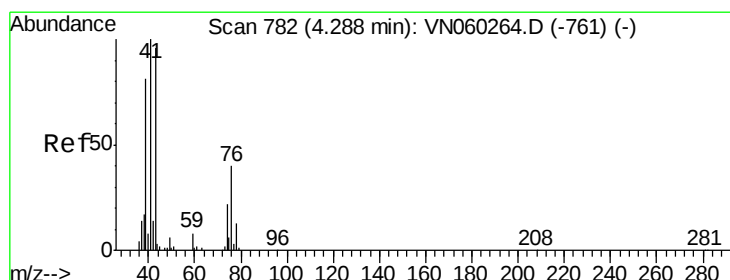
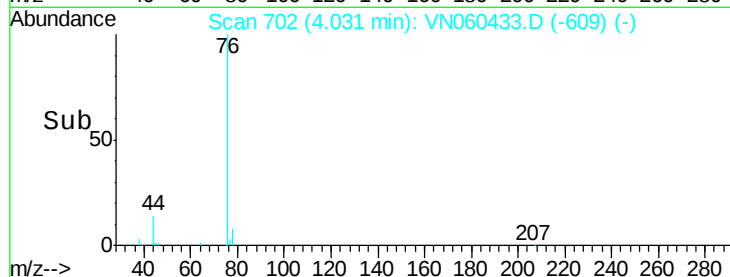
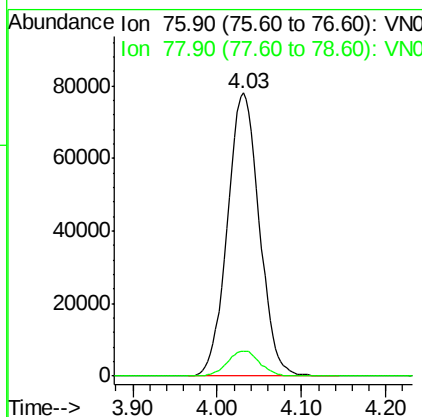
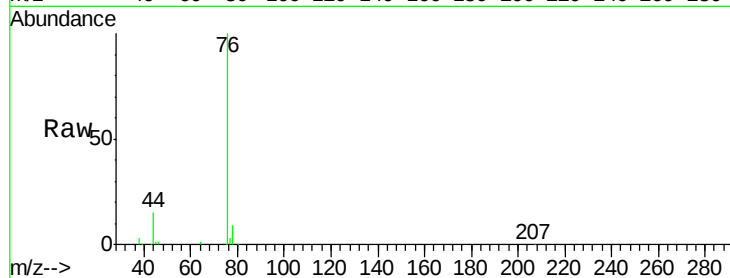
#17
Carbon Disulfide
Concen: 41.849 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

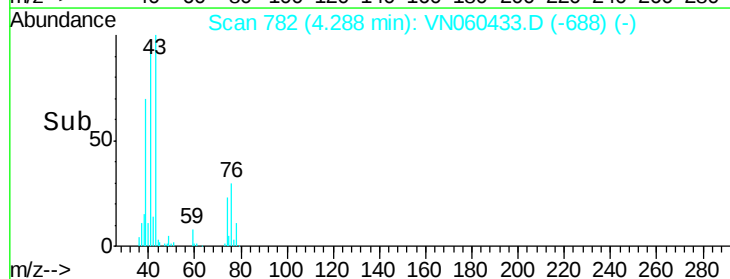
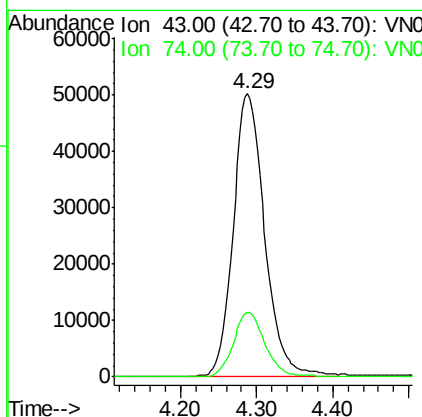
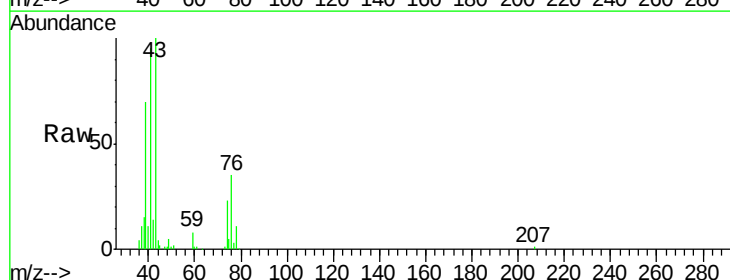
Manual Integrations
APPROVED

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#18
Methyl Acetate
Concen: 54.491 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.8	28.2





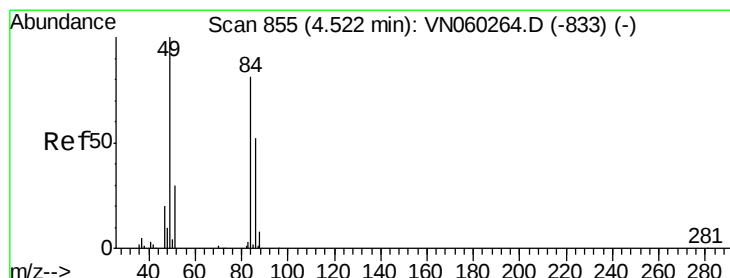
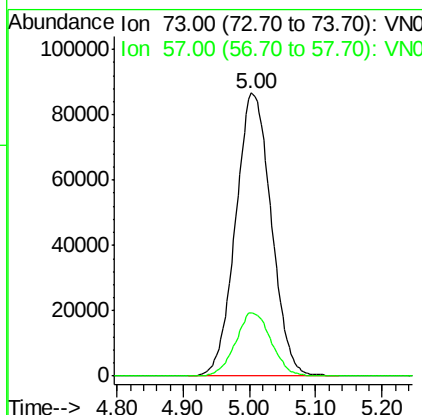
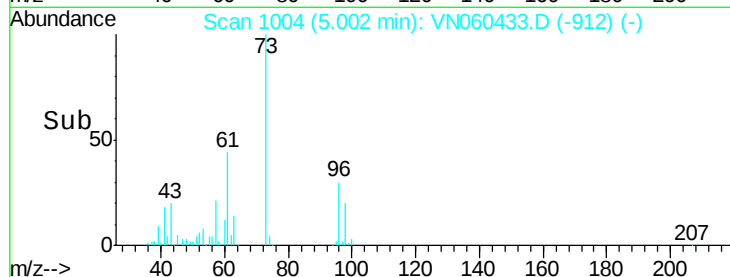
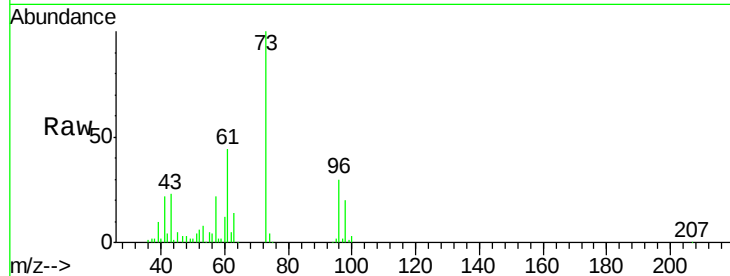
#19
Methvl tert-butvl Ether
Concen: 48.331 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 323636
Ion Ratio Lower Upper
73 100
57 22.5 17.3 25.9

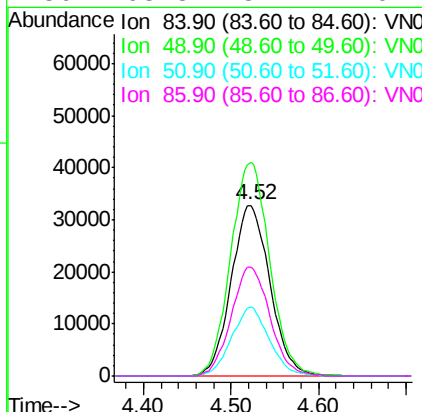
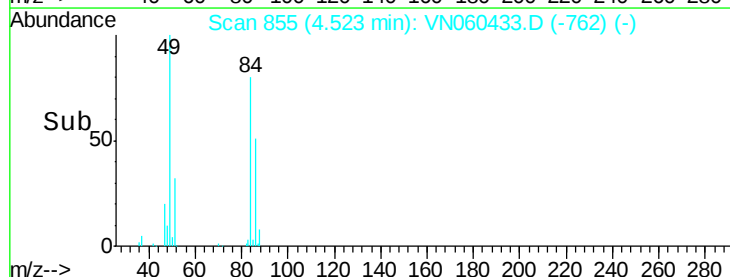
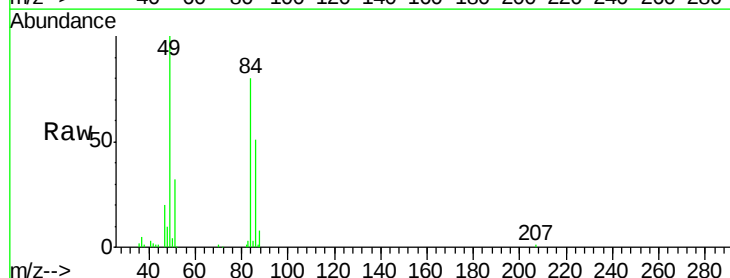
Manual Integrations
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#20
Methylene Chloride
Concen: 46.066 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 84 Resp: 100627
Ion Ratio Lower Upper
84 100
49 125.4 99.3 148.9
51 40.5 30.1 45.1
86 63.8 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 45.547 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 90329

Ion Ratio Lower Upper

96 100

61 148.7 113.8 170.8

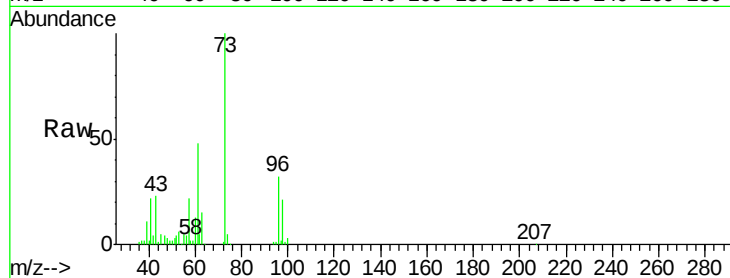
98 65.0 48.8 73.2

Manual Integrations

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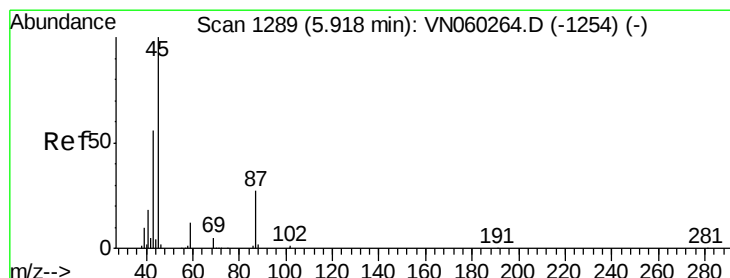
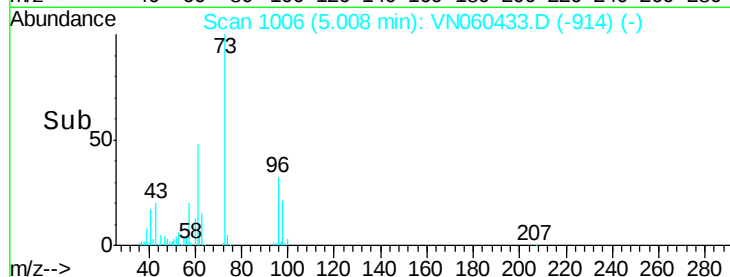
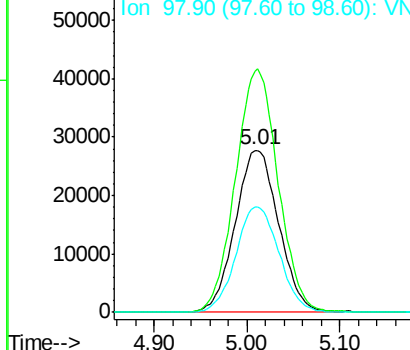


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 51.018 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion: 45 Resp: 351425

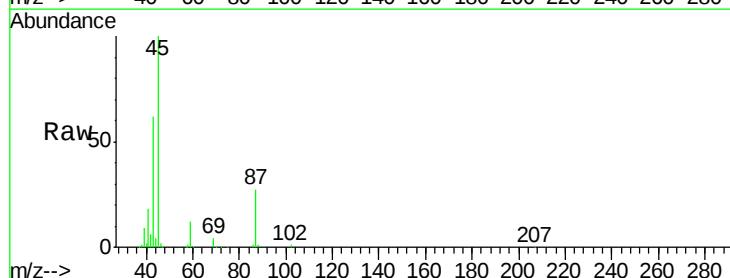
Ion Ratio Lower Upper

45 100

43 61.7 48.6 72.8

87 26.9 22.2 33.2

59 11.9 9.5 14.3



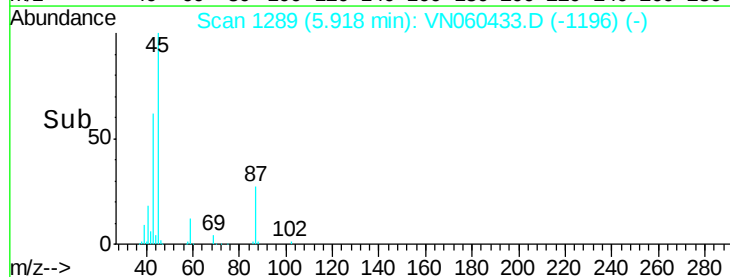
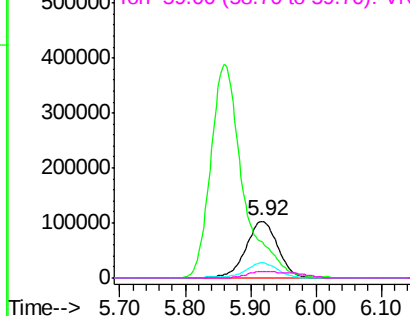
Abundance

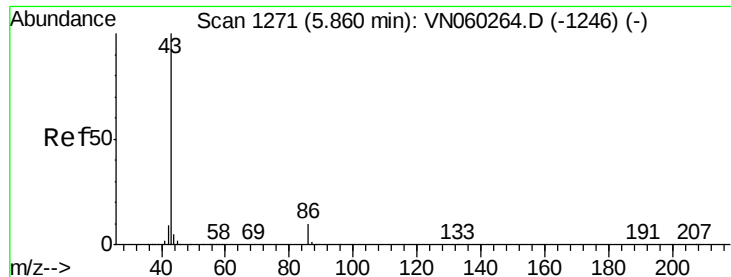
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 243.614 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1333444

Ion Ratio Lower Upper

43 100

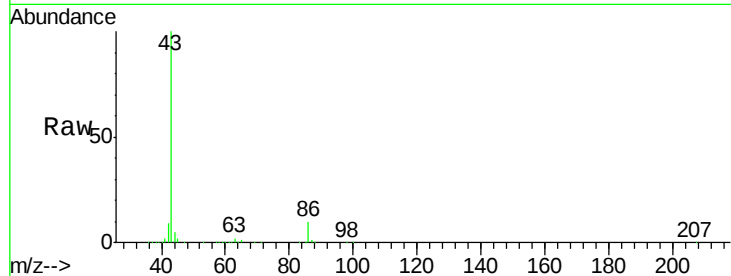
86 9.8 8.0 12.0

Manual Integrations

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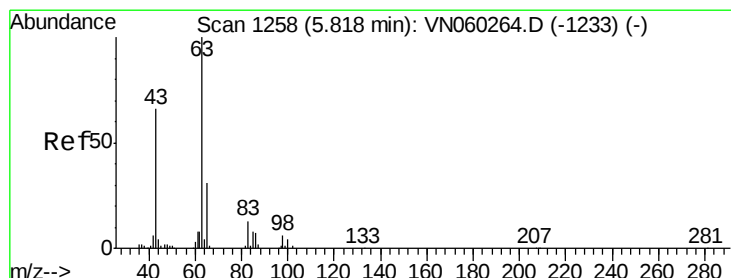
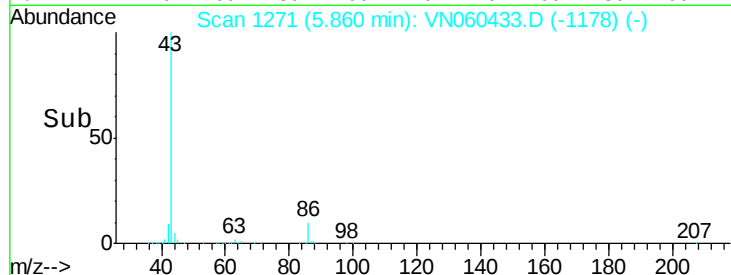
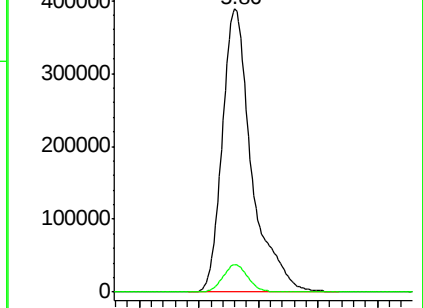
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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 48.692 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

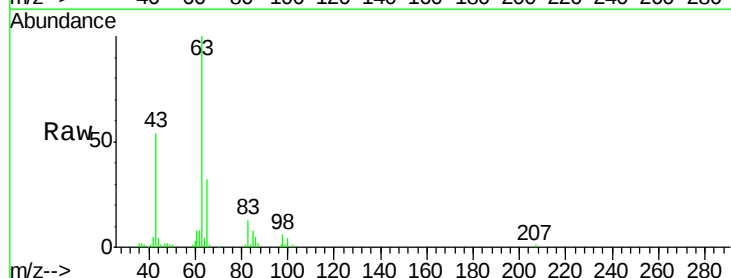
Tgt Ion: 63 Resp: 189859

Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.0

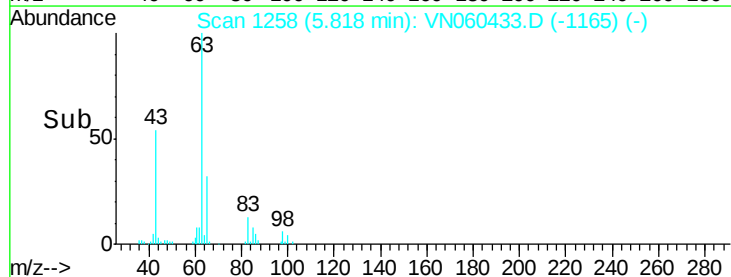
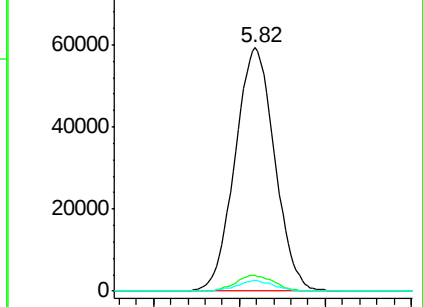
100 4.2 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 263.411 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 338419

Ion Ratio Lower Upper

43 100

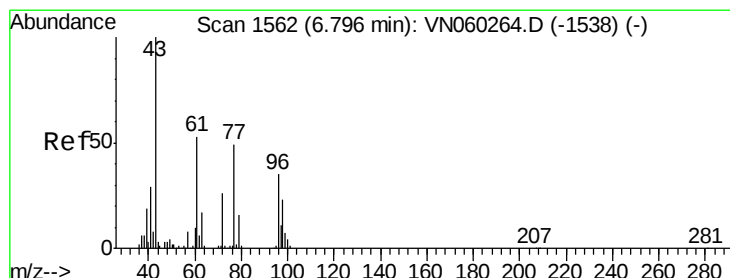
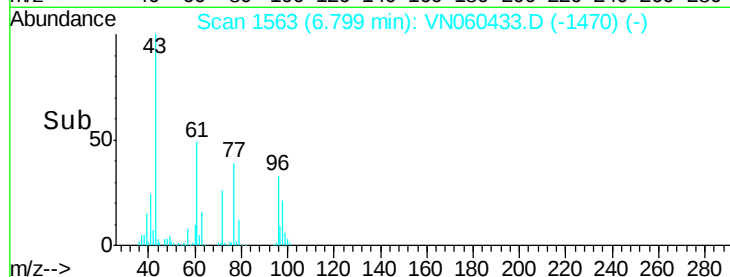
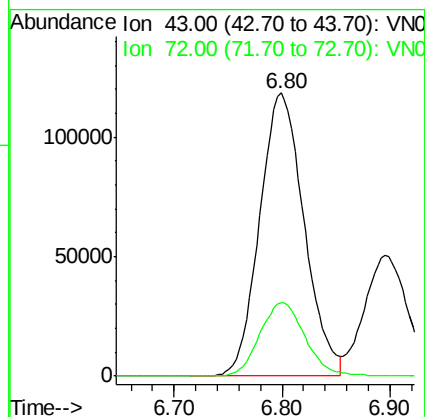
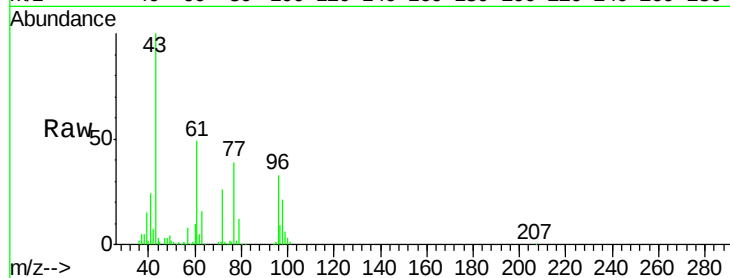
72 26.0 20.9 31.3

Manual Integrations

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3/11/2020 3:23:16 PM



#26

2,2-Dichloropropane

Concen: 41.310 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN060433.D

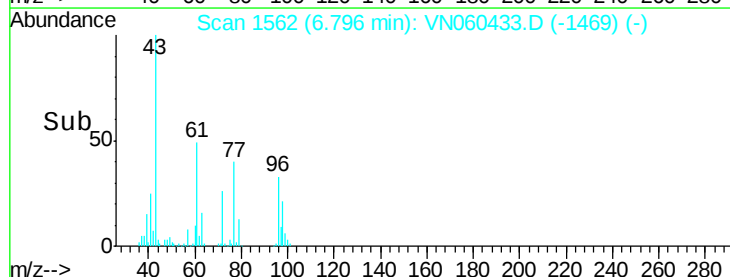
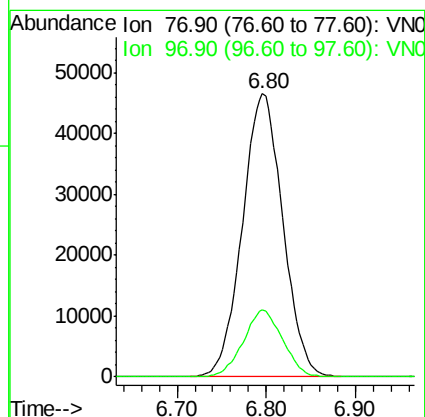
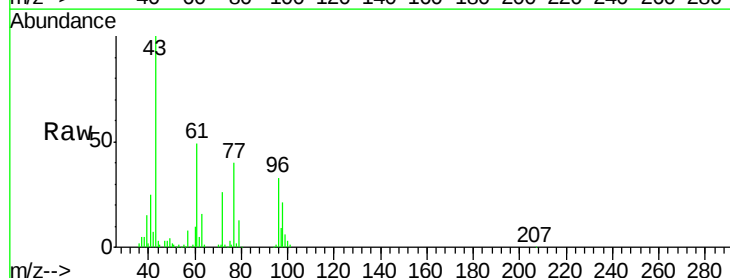
Acq: 10 Mar 2020 21:26

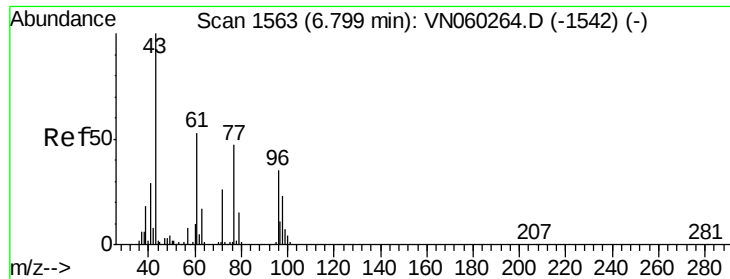
Tgt Ion: 77 Resp: 146638

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 45.137 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

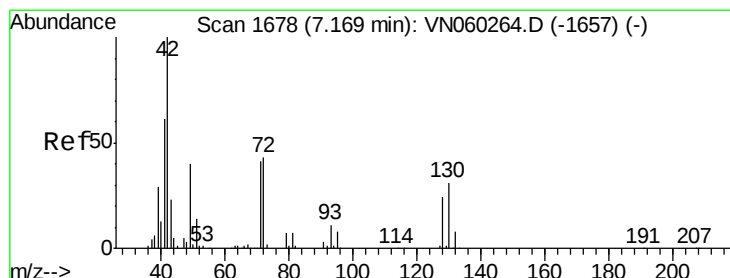
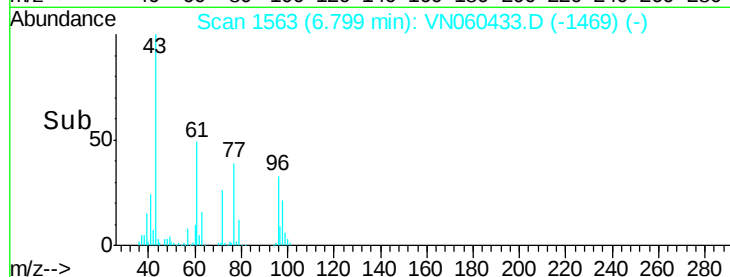
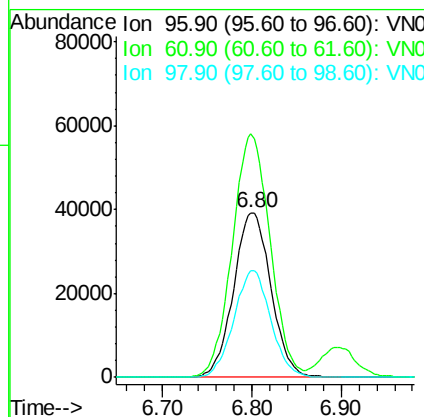
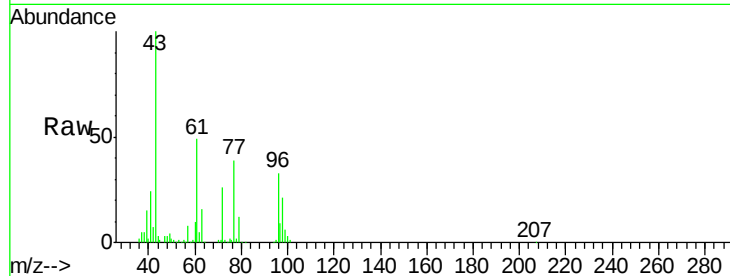
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	114331
Ion	Ratio	Lower	Upper
96	100		
61	149.5	0.0	300.8
98	63.9	0.0	128.2

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3/11/2020 3:23:16 PM



#28

Bromochloromethane

Concen: 48.721 ug/l

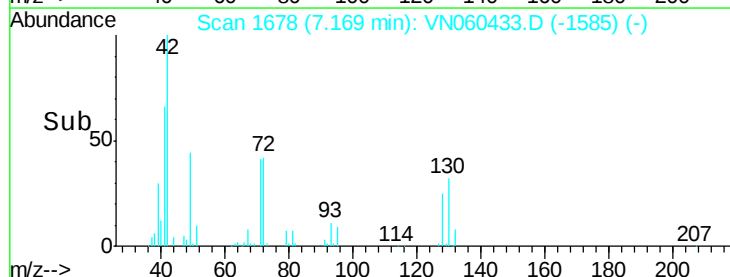
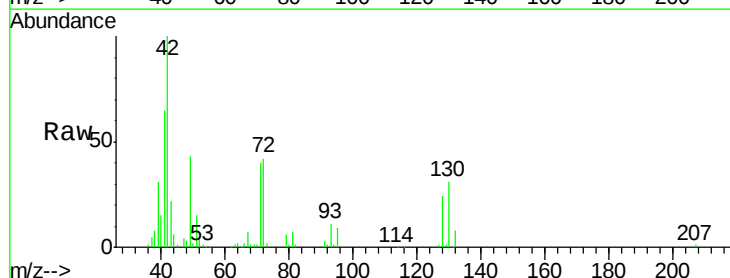
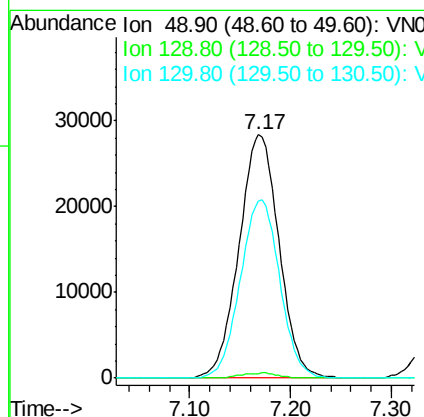
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion:	49	Resp:	77999
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	72.2	59.8	89.8





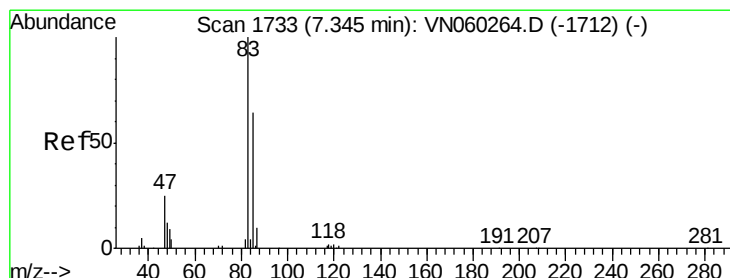
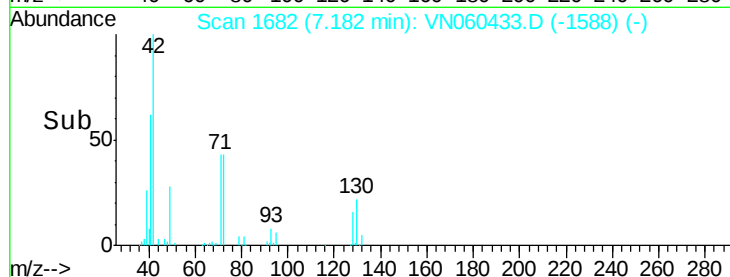
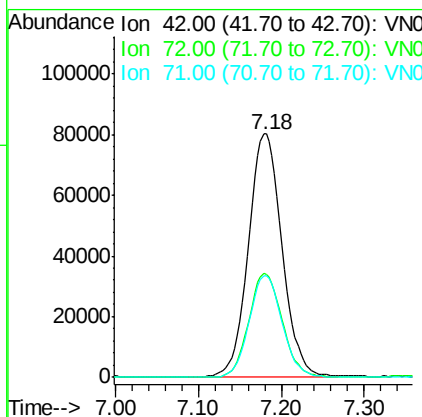
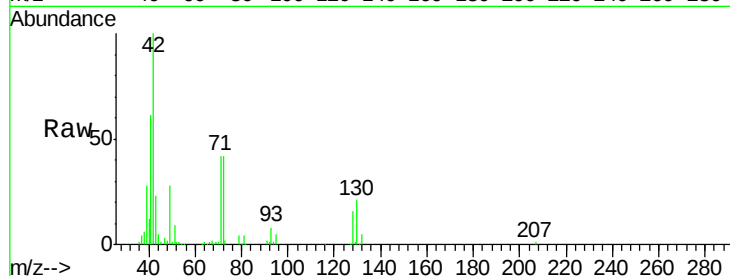
#29
Tetrahydrofuran
Concen: 253.971 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	34.6	52.0
71	40.8	32.9	49.3

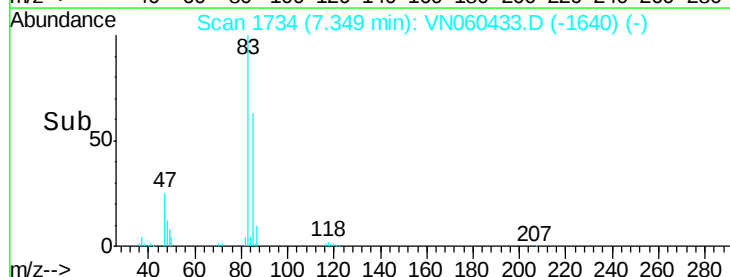
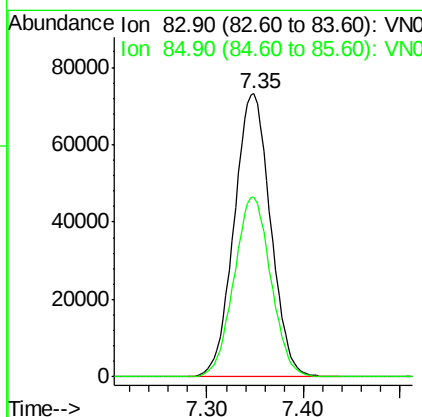
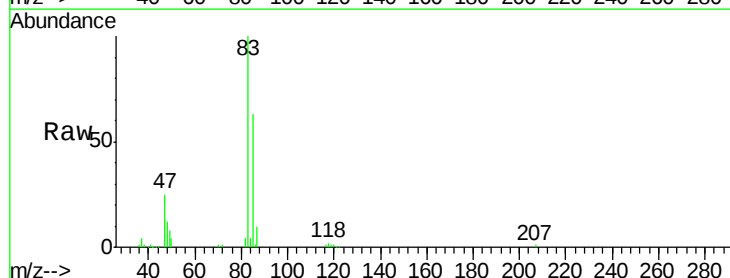
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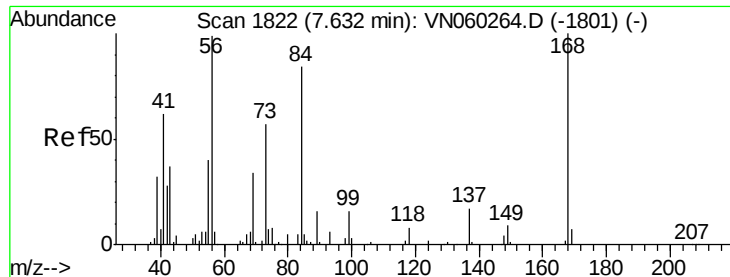
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#30
Chloroform
Concen: 49.278 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2





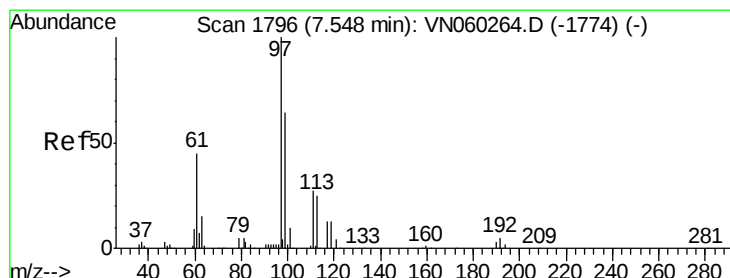
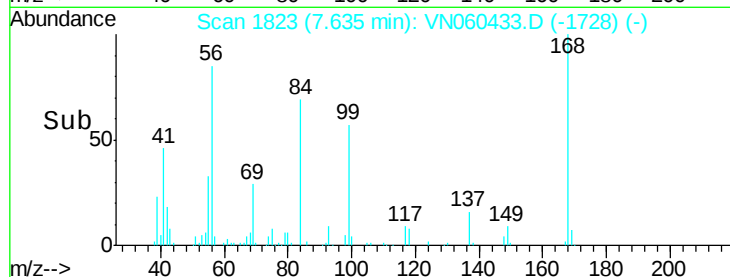
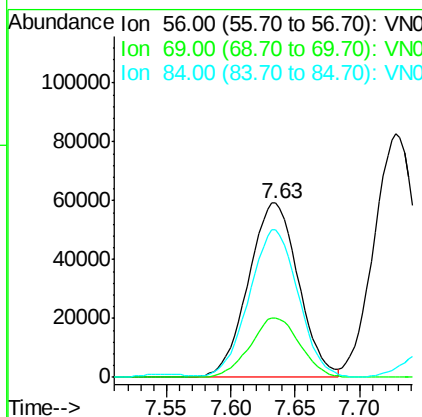
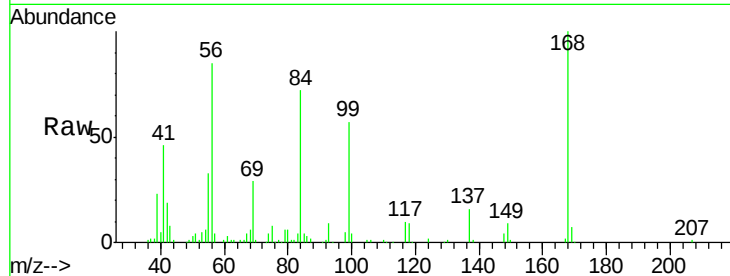
#31
Cyclohexane
Concen: 48.107 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	27.2	40.8
84	83.9	66.7	100.1

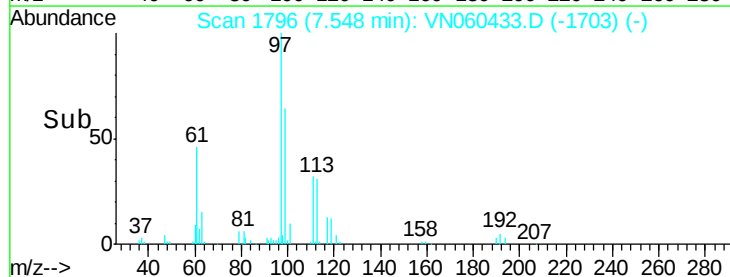
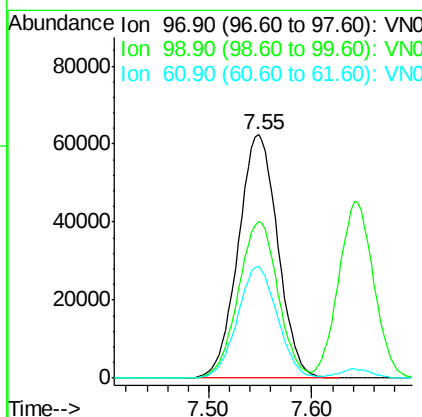
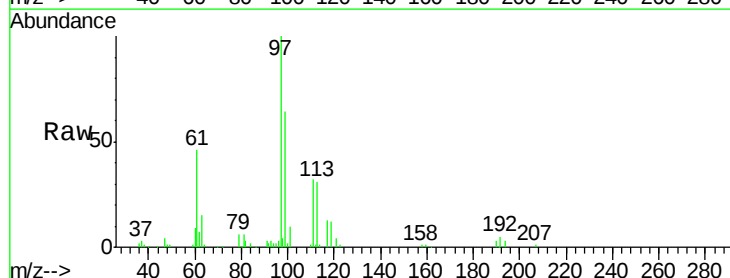
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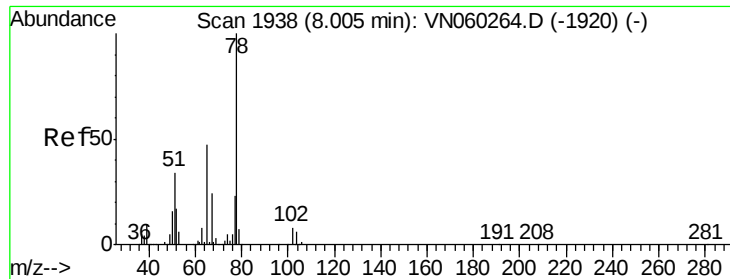
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3/11/2020 3:23:16 PM



#32
1,1,1-Trichloroethane
Concen: 48.345 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.0
61	46.1	36.6	55.0





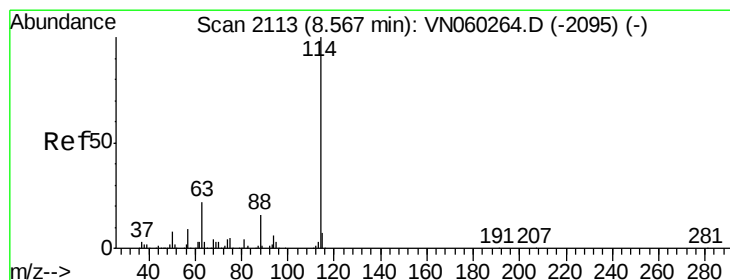
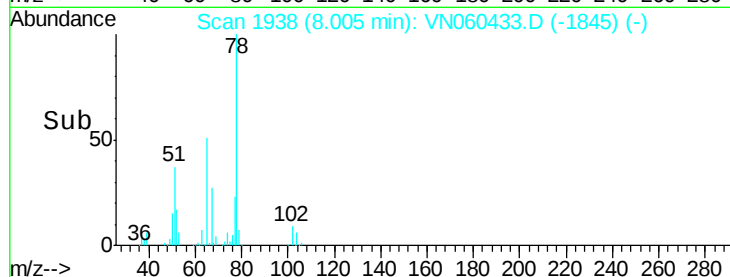
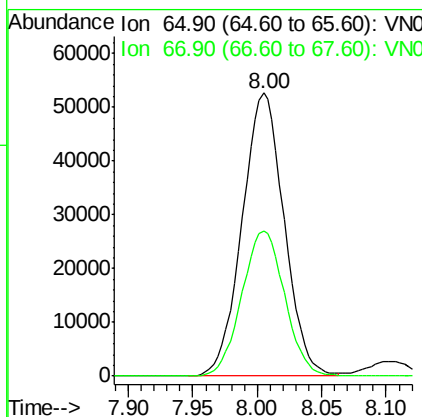
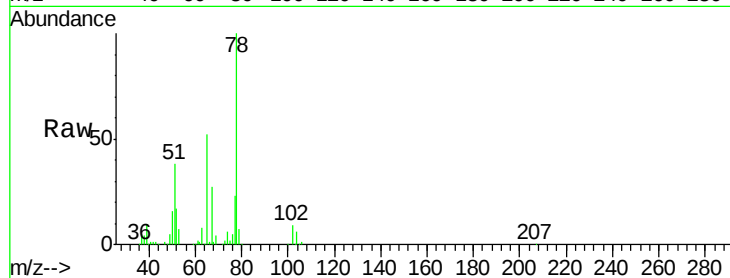
#33
 1,2-Dichloroethane-d4
 Concen: 48.612 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.4	0.0	103.8	

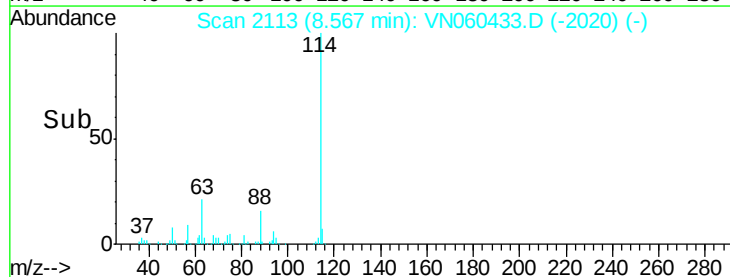
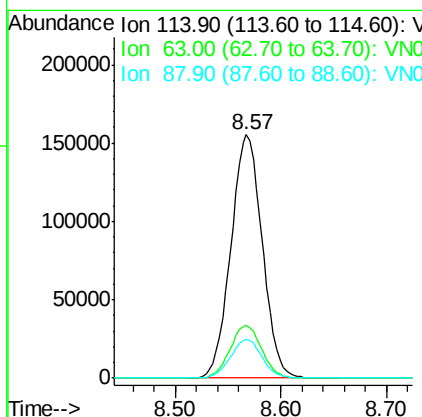
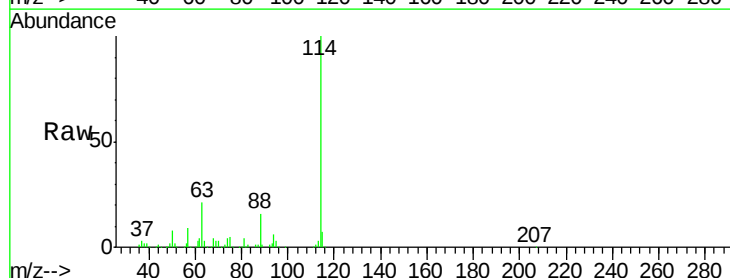
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	43.2	
88	15.9	0.0	31.6	





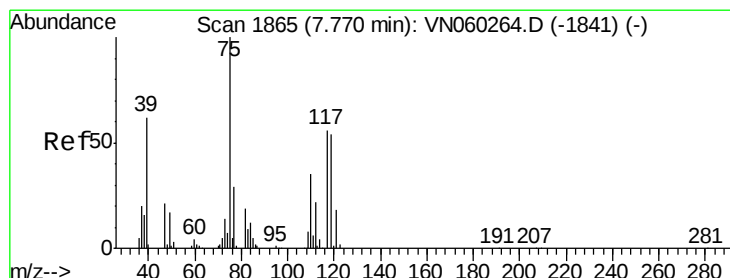
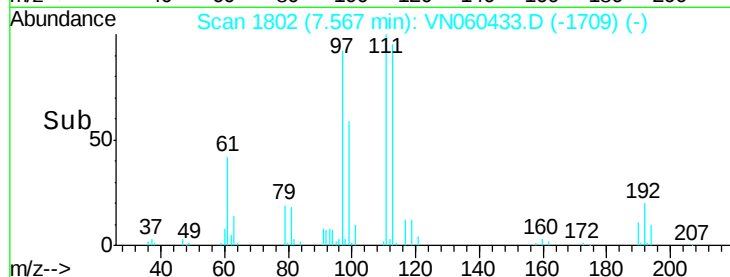
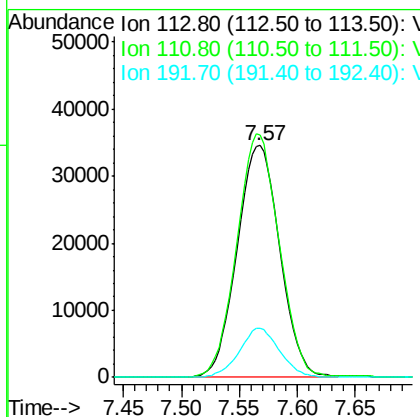
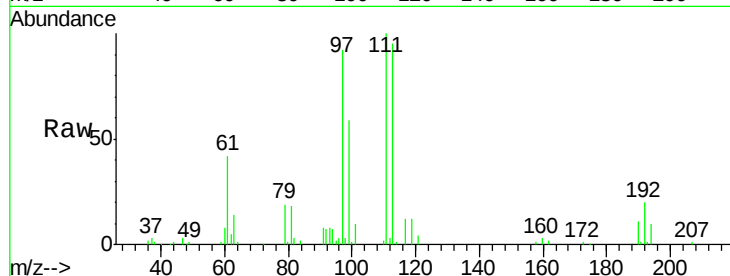
#35
Dibromofluoromethane
Concen: 59.775 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.4	123.6
192	19.9	16.2	24.2

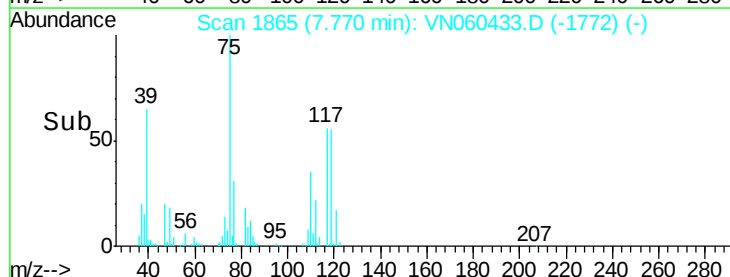
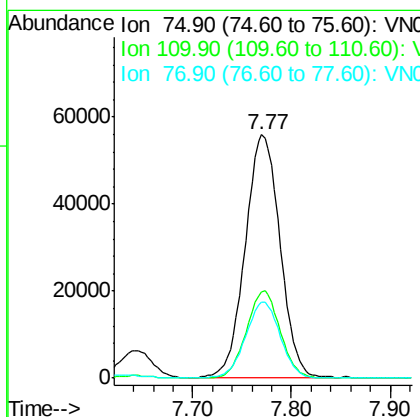
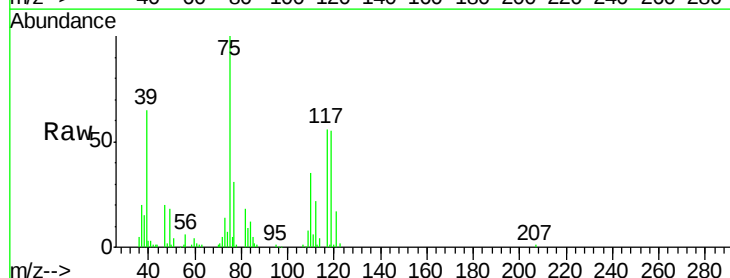
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3/11/2020 3:23:16 PM



#36
1,1-Dichloropropene
Concen: 44.885 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.3	52.0
77	31.2	24.2	36.2





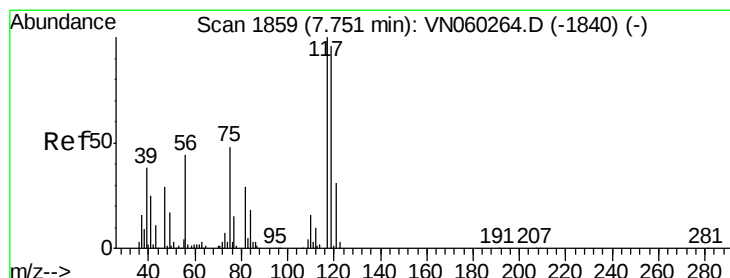
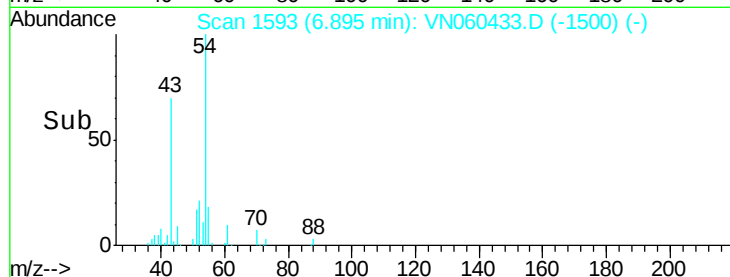
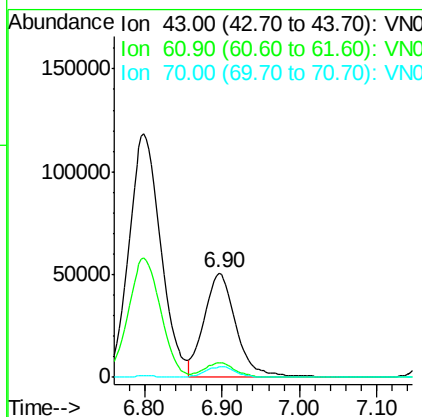
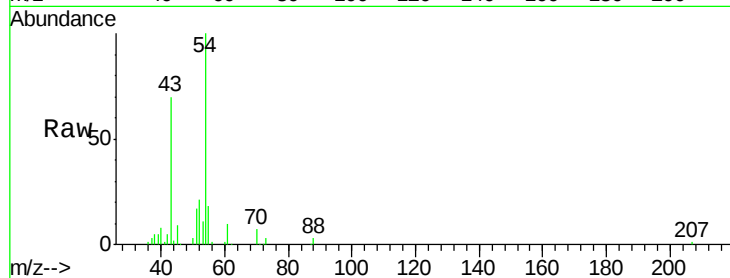
#37
Ethyl Acetate
Concen: 50.159 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.1	16.7
70	10.0	8.4	12.6

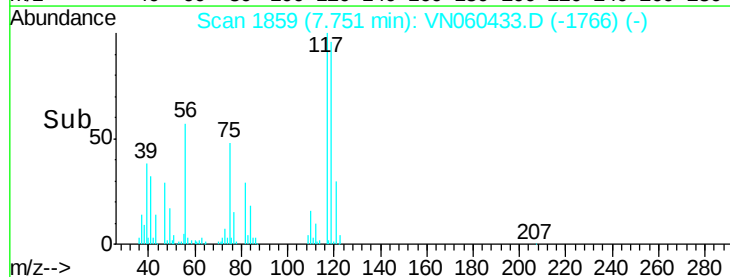
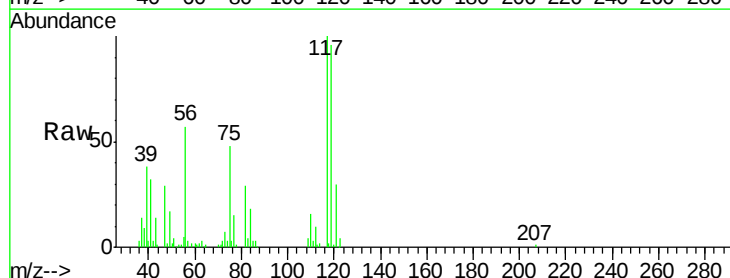
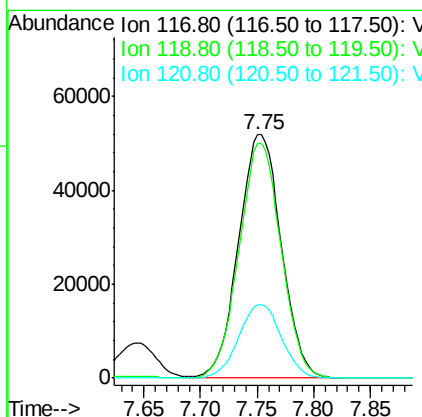
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3/11/2020 3:23:16 PM



#38
Carbon Tetrachloride
Concen: 45.944 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.7	115.1
121	30.0	24.5	36.7





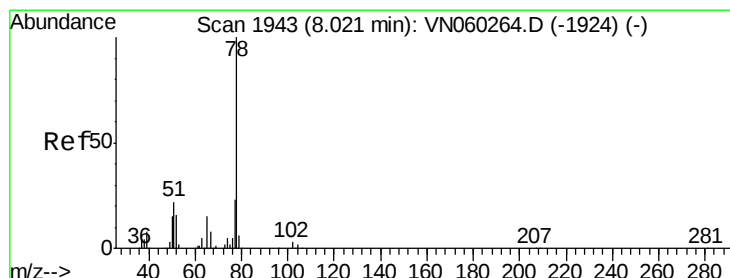
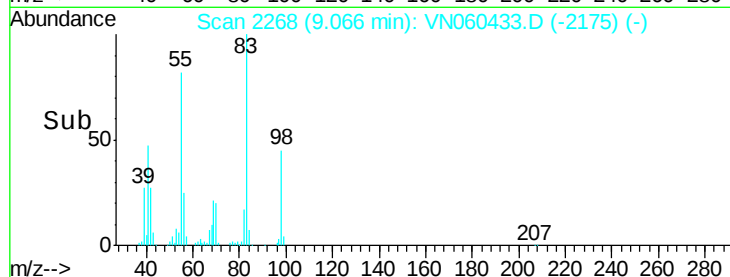
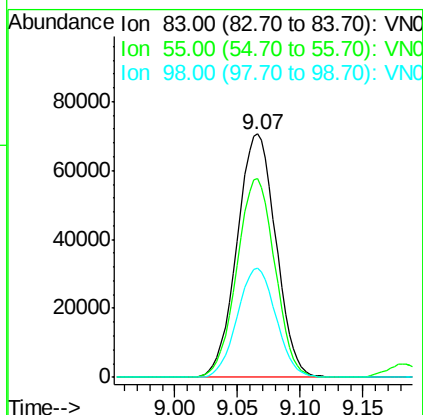
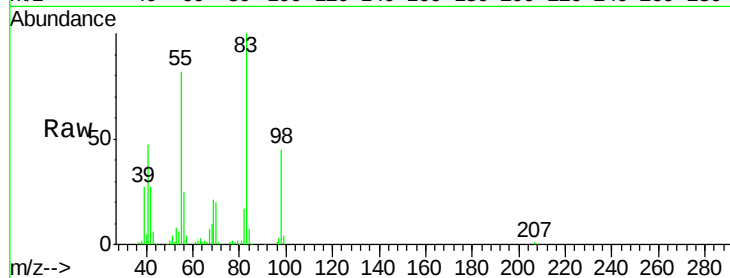
#39
Methvlcvclohexane
Concen: 42.441 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	61.0	91.4
98	44.7	36.1	54.1

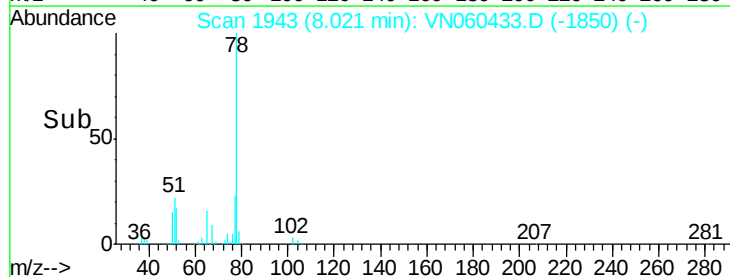
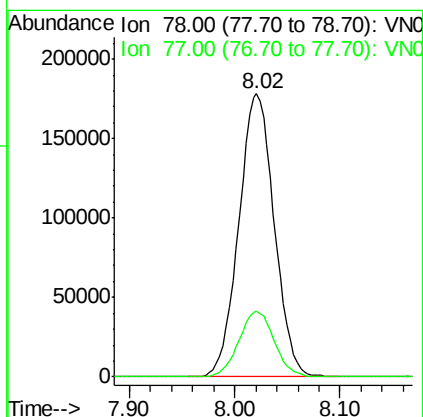
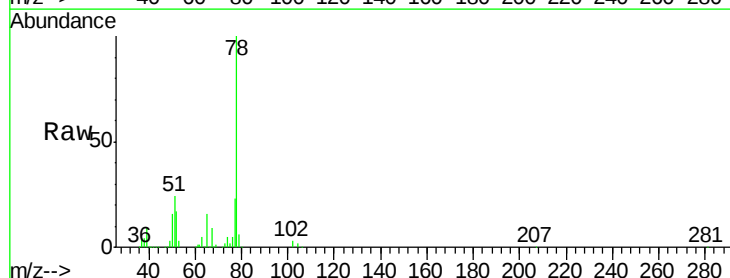
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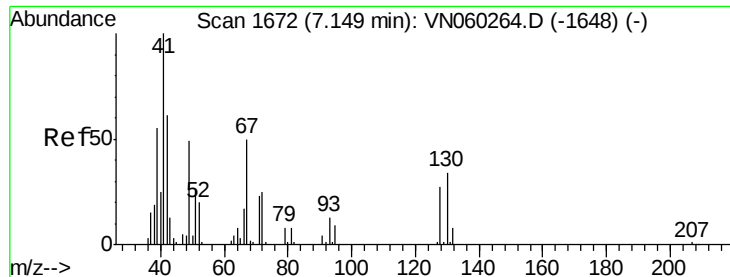
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#40
Benzene
Concen: 46.866 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





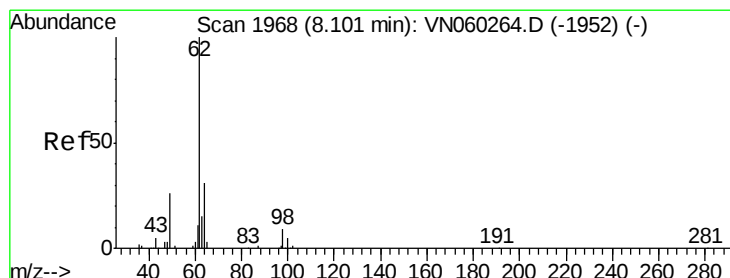
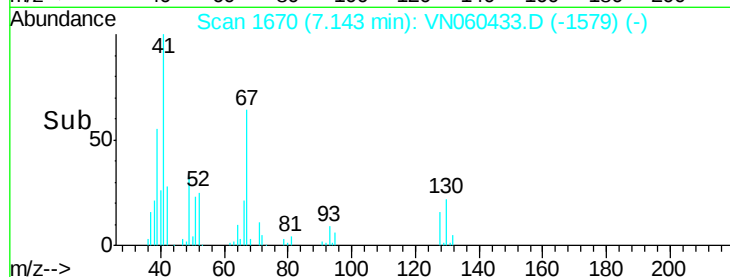
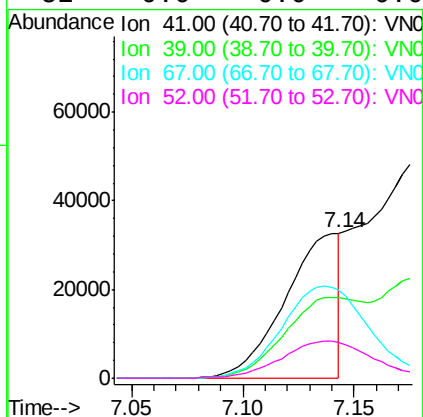
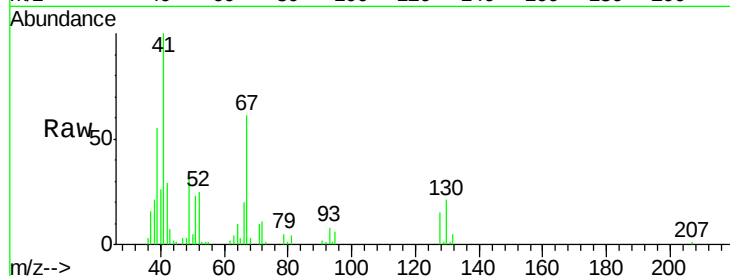
#41
Methacrylonitrile
Concen: 41.864 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	55748
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

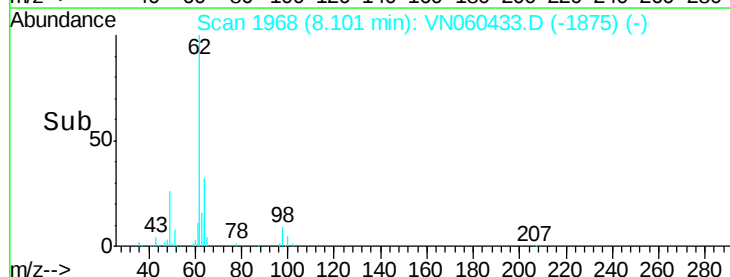
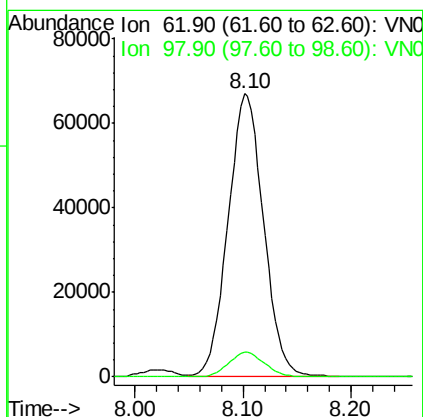
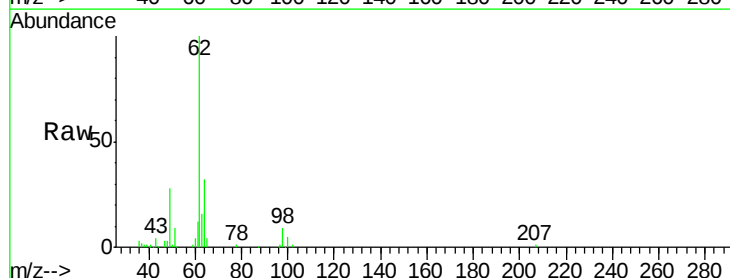
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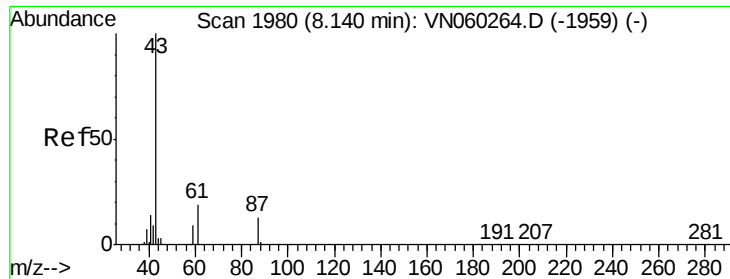
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3/11/2020 3:23:16 PM



#42
1,2-Dichloroethane
Concen: 47.911 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	62	Resp	153269
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.0





#43

Isopropyl Acetate

Concen: 49.641 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

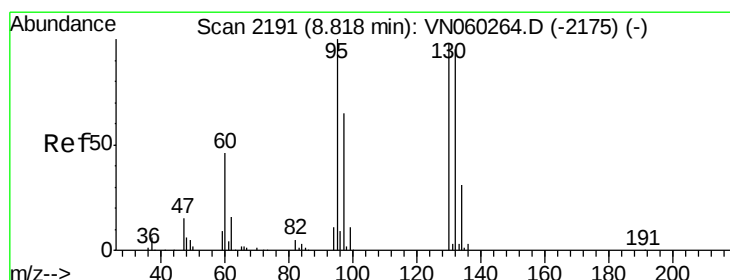
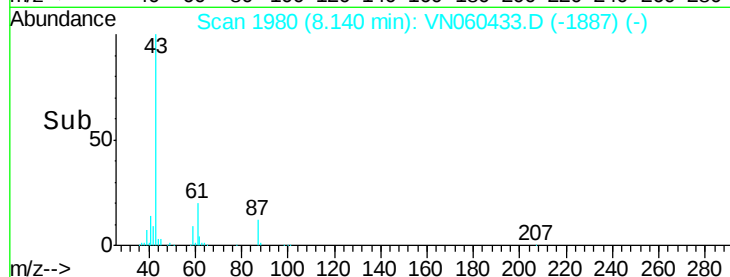
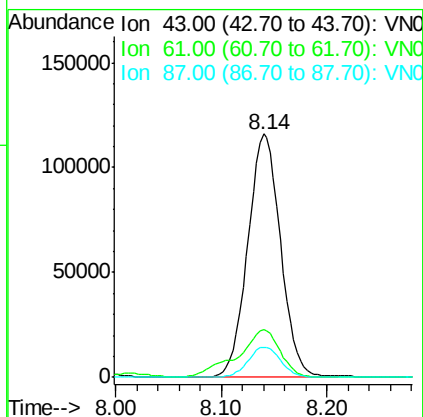
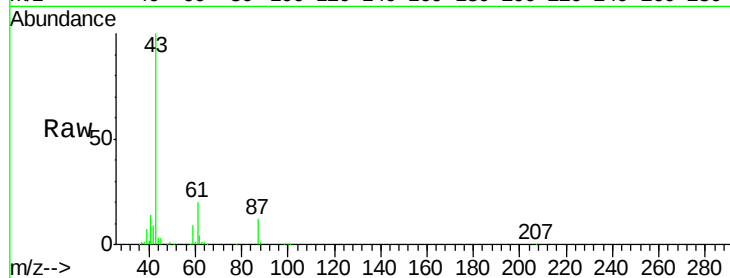
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	250634
Ion	Ratio	Lower	Upper
43	100		
61	25.7	20.9	31.3
87	12.4	10.6	16.0

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#44

Trichloroethene

Concen: 44.631 ug/l

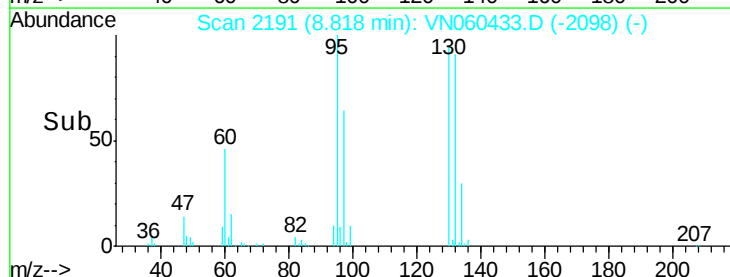
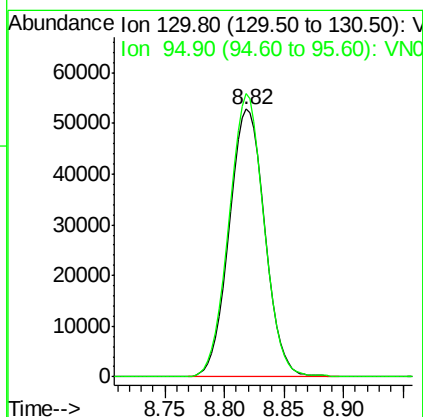
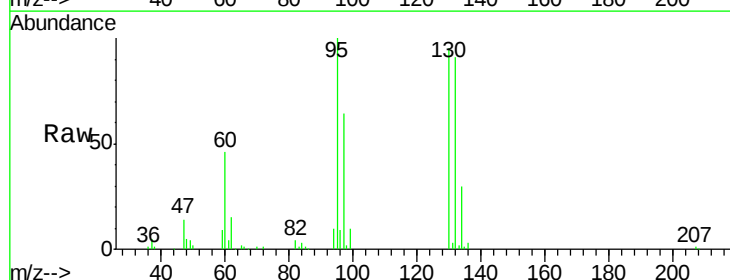
RT: 8.82 min Scan# 2191

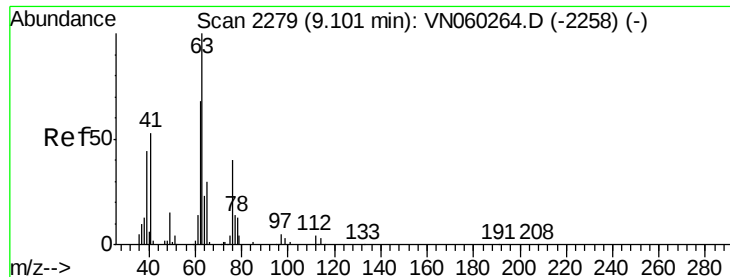
Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion:	130	Resp:	110193
Ion	Ratio	Lower	Upper
130	100		
95	105.7	0.0	203.4





#45

1,2-Dichloropropane

Concen: 50.406 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 116831

Ion Ratio Lower Upper

63 100

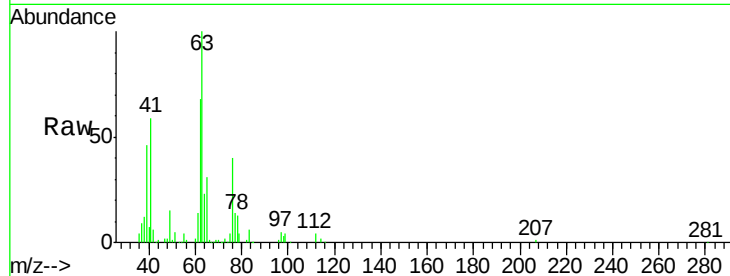
65 30.9 24.4 36.6

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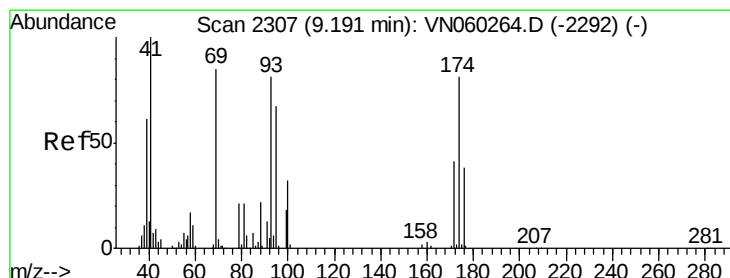
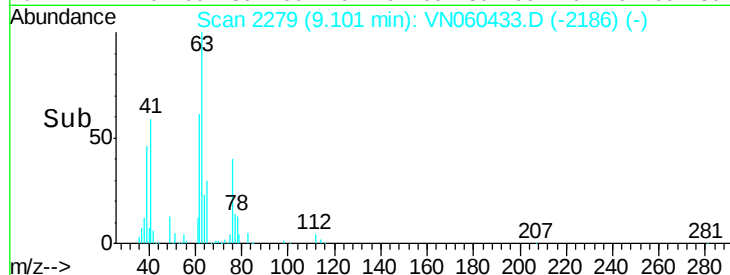
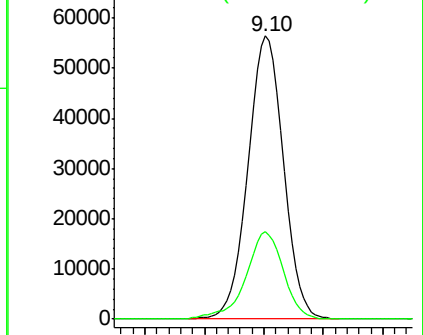
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 48.182 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

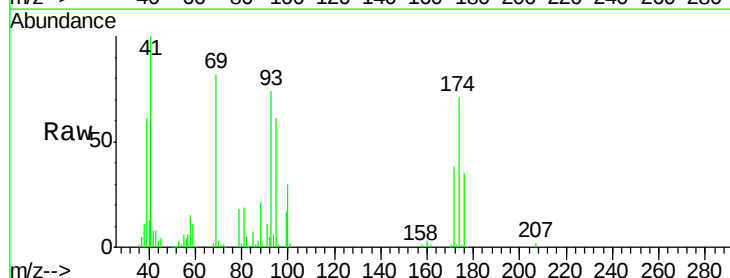
Tgt Ion: 93 Resp: 72463

Ion Ratio Lower Upper

93 100

95 82.1 65.9 98.9

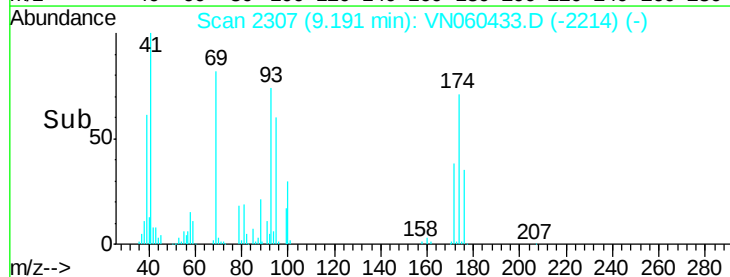
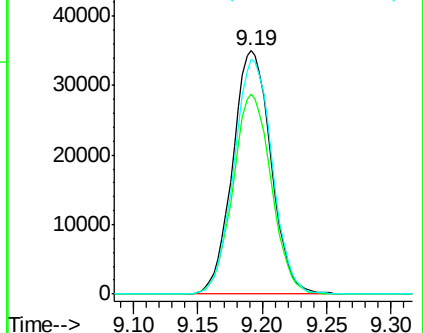
174 96.2 79.6 119.4

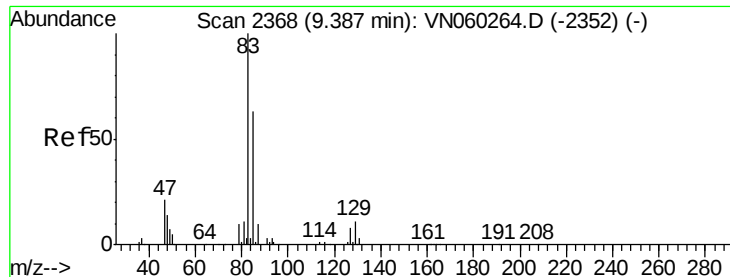


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.044 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

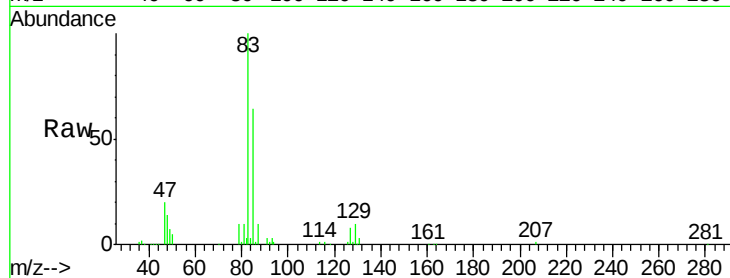
ClientSampleId :

VSTDCCC050EC

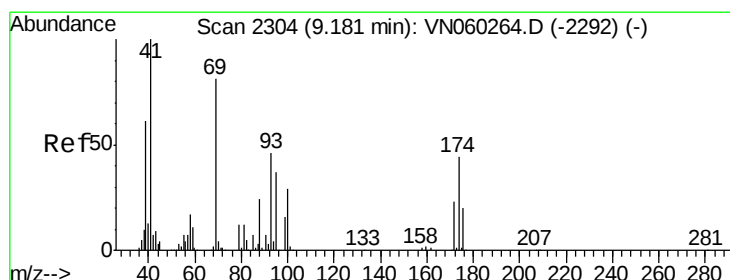
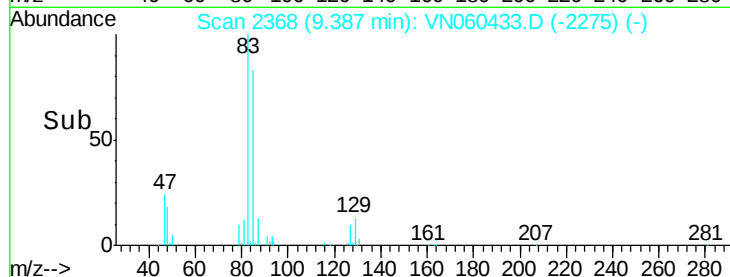
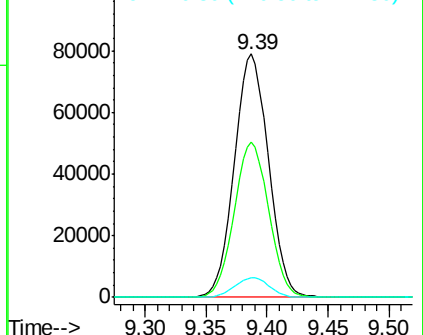
Tot Ion:	83	Resp:	153075
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.7	76.1
127	8.0	6.8	10.2

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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 49.562 ug/l

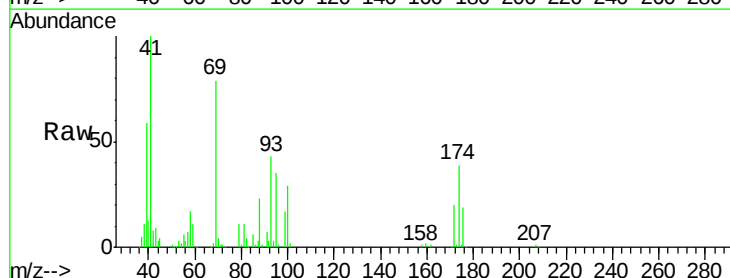
RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

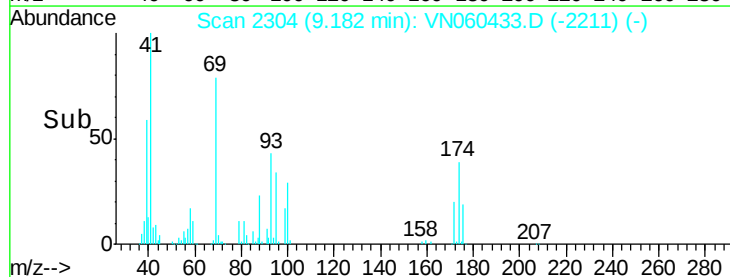
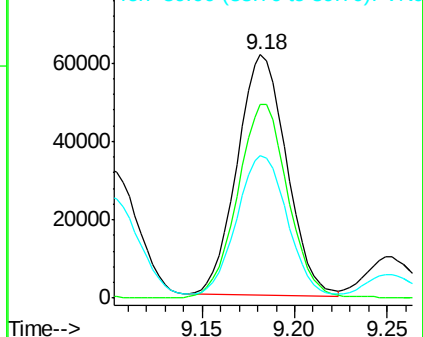
Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion:	41	Resp:	114111
Ion	Ratio	Lower	Upper
41	100		
69	82.1	66.7	100.1
39	61.2	50.1	75.1



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





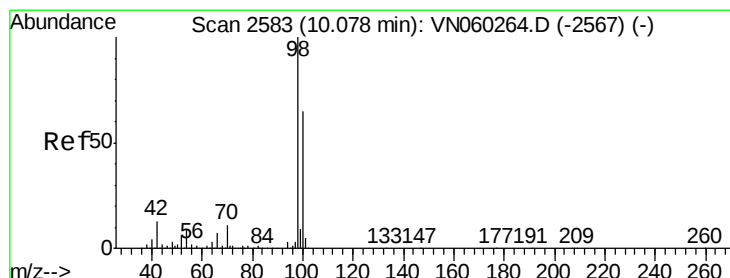
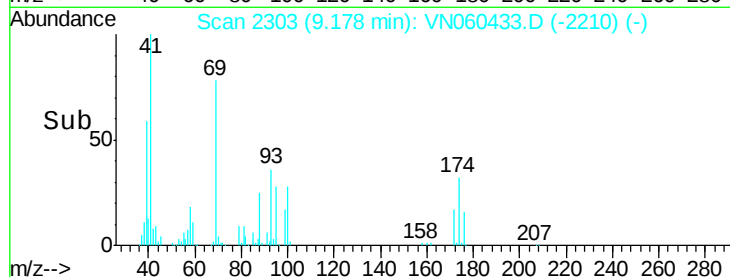
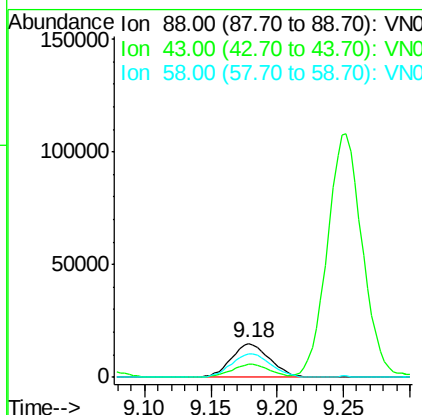
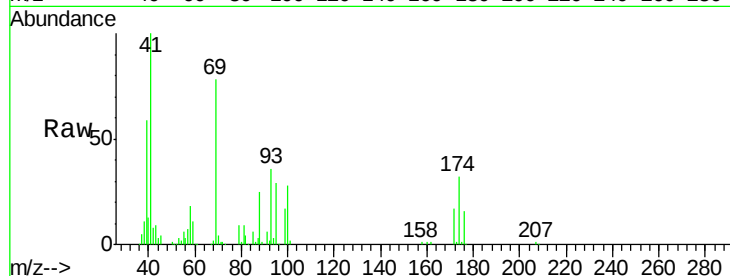
#49
1,4-Dioxane
Concen: 943.204 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	30.4	45.6
58	70.9	57.0	85.6

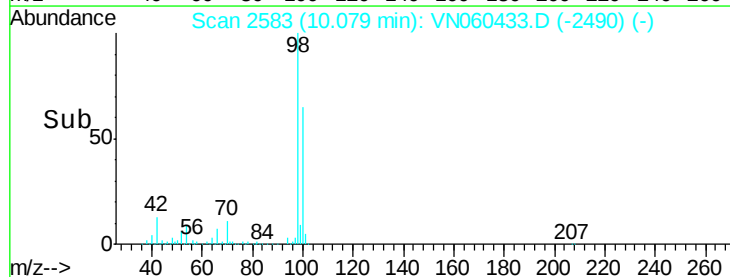
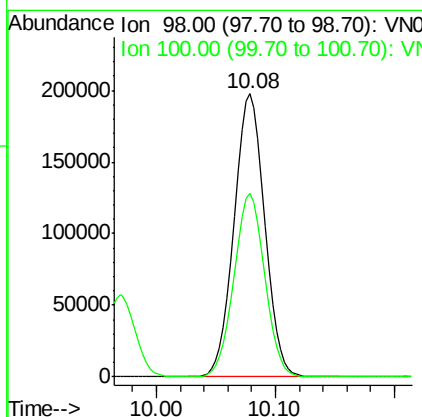
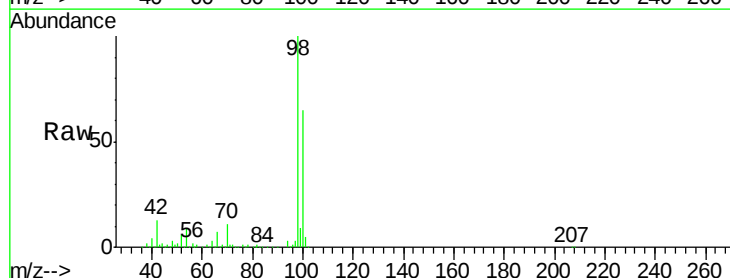
Manual Integrations
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#50
Toluene-d8
Concen: 47.023 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.2	78.2





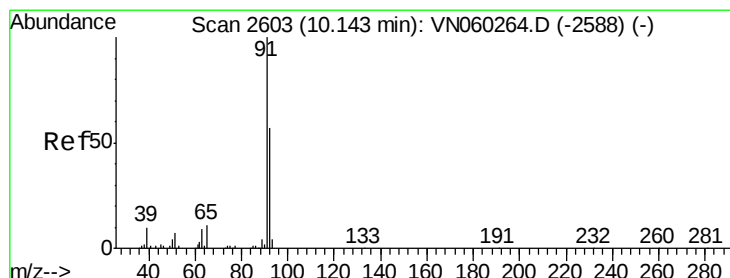
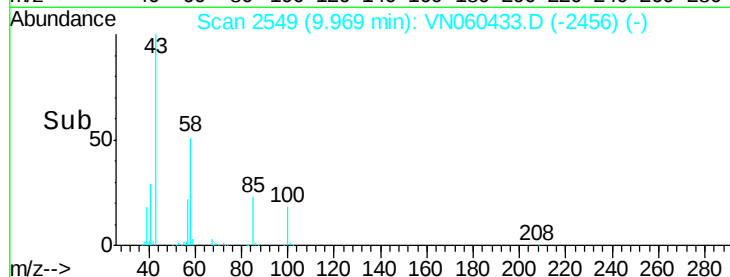
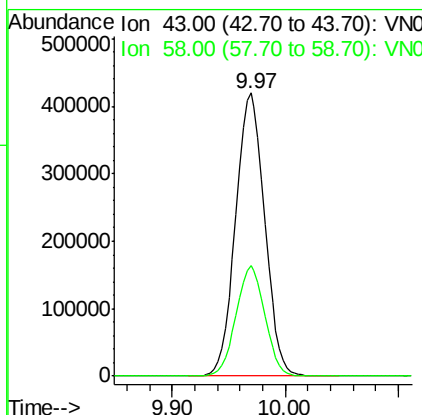
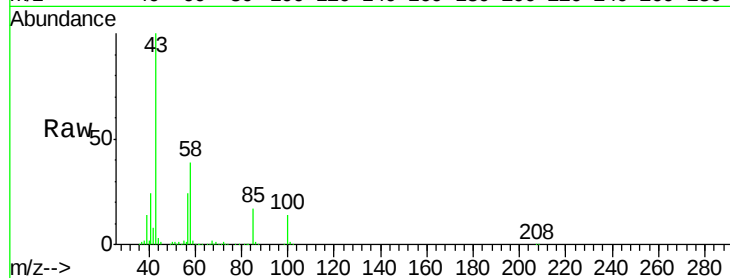
#51
4-Methyl-2-Pentanone
Concen: 262.153 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.9	46.3

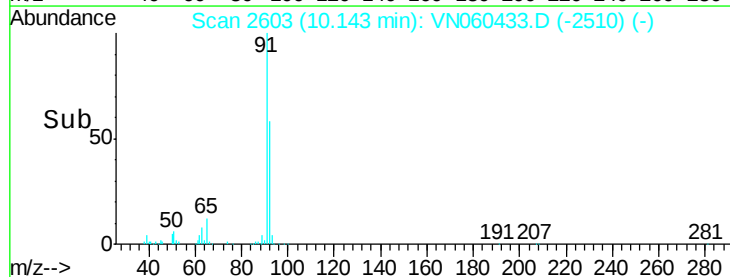
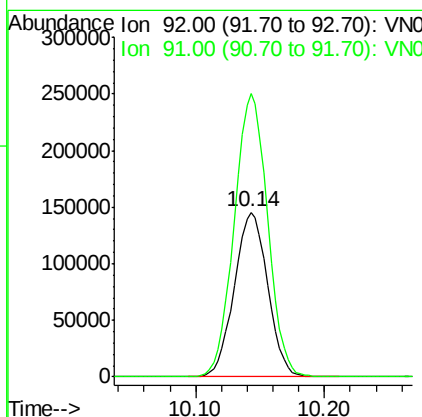
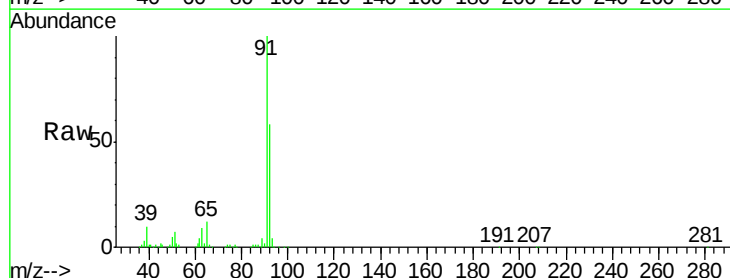
Manual Integrations
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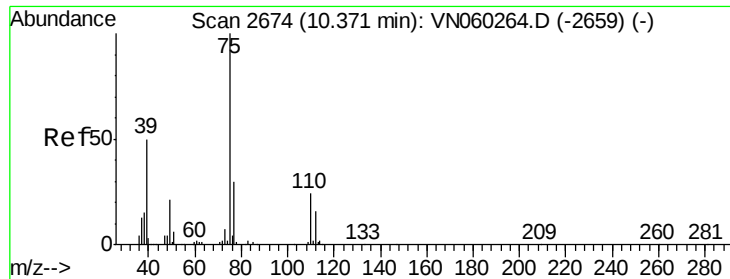
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#52
Toluene
Concen: 46.873 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.4	138.1	207.1





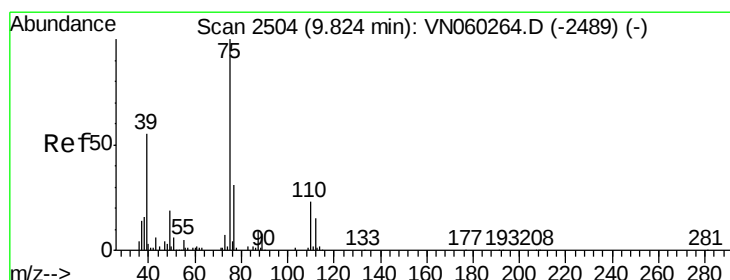
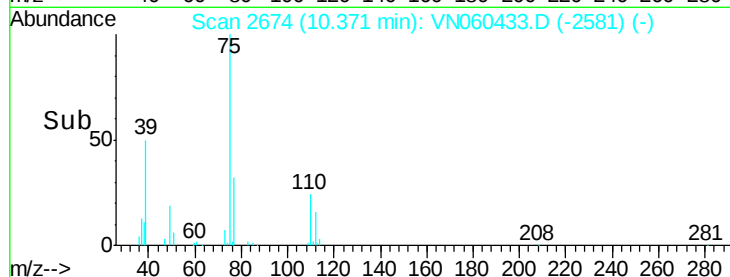
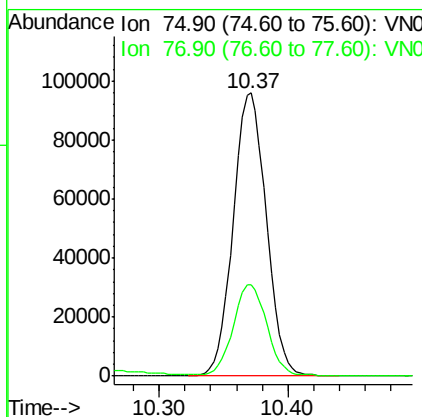
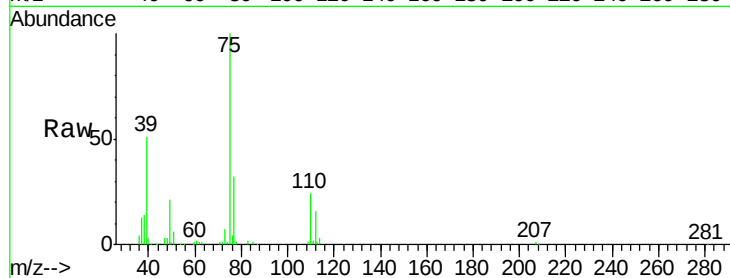
#53
t-1,3-Dichloropropene
Concen: 45.754 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 171486
Ion Ratio Lower Upper
75 100
77 32.0 24.8 37.2

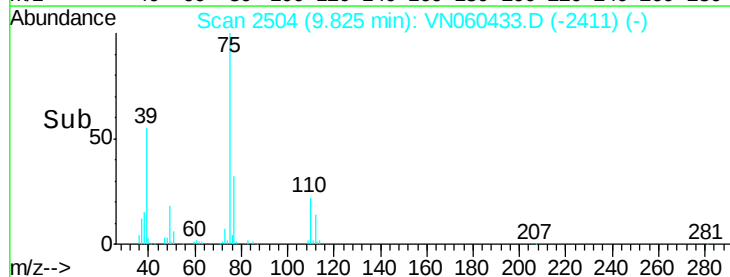
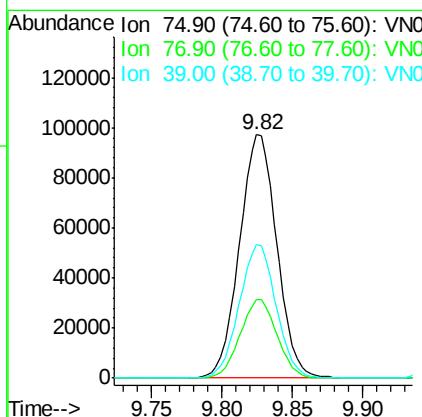
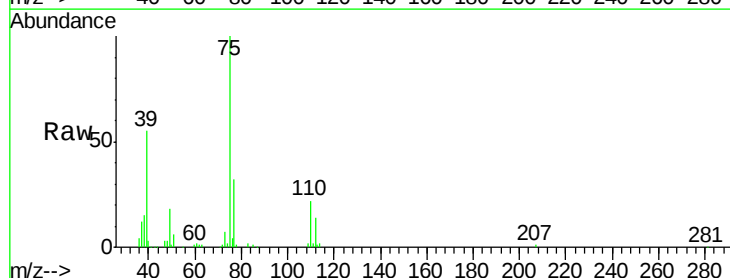
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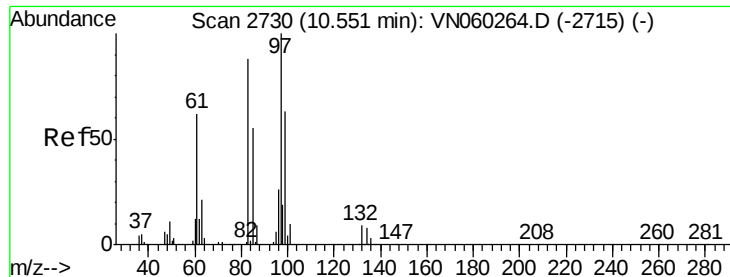
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#54
cis-1,3-Dichloropropene
Concen: 46.425 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 75 Resp: 180300
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 54.6 43.8 65.8





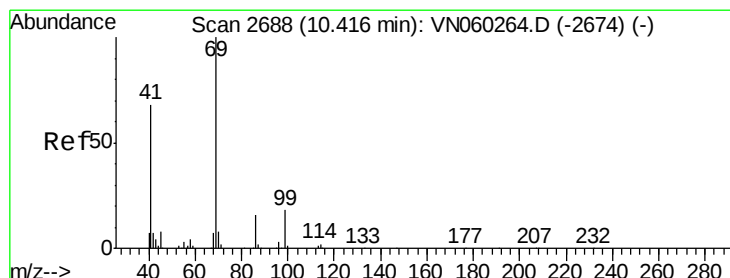
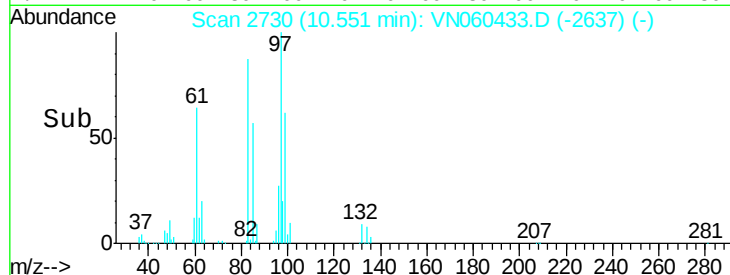
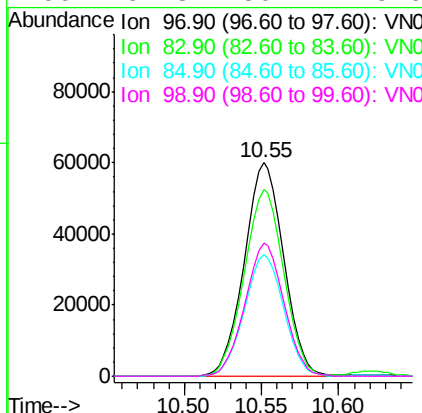
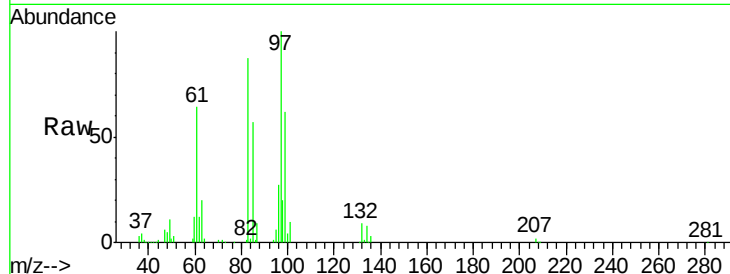
#55
 1,1,2-Trichloroethane
 Concen: 47.608 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	106615
Ion	Ratio	Lower	Upper
97	100		
83	87.4	70.0	105.0
85	56.9	44.0	66.0
99	62.3	50.4	75.6

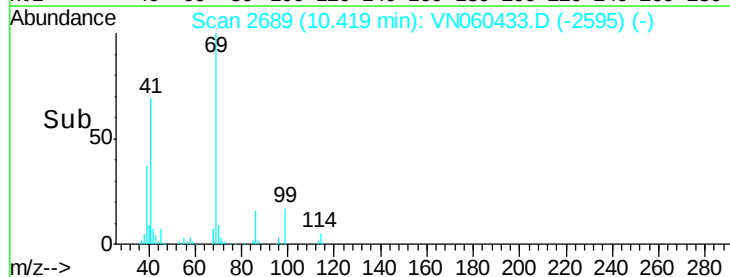
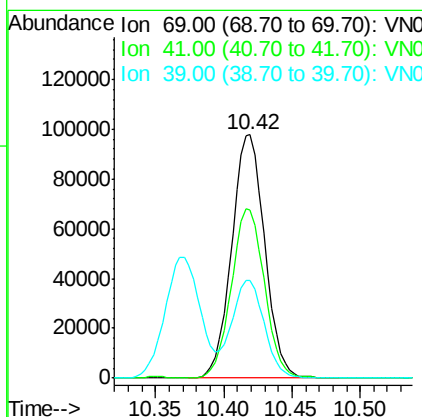
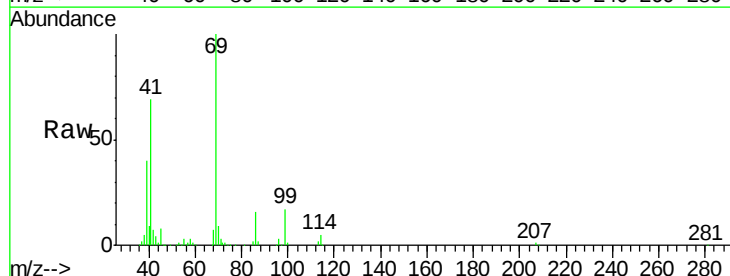
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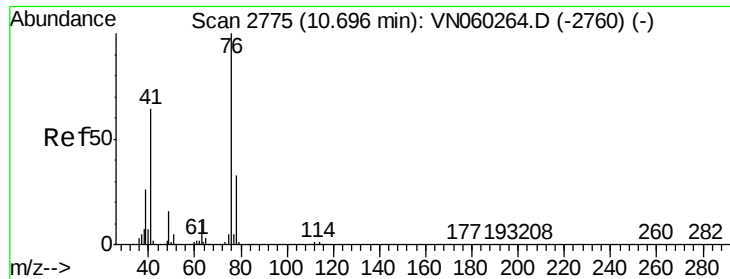
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#56
 Ethyl methacrylate
 Concen: 51.044 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion:	69	Resp:	164223
Ion	Ratio	Lower	Upper
69	100		
41	69.6	54.1	81.1
39	39.9	32.5	48.7





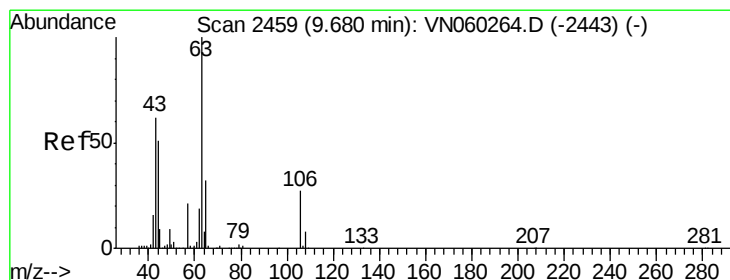
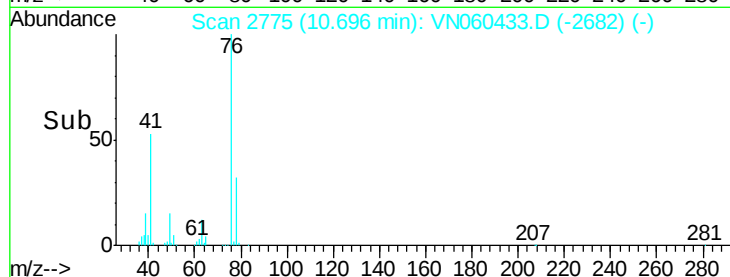
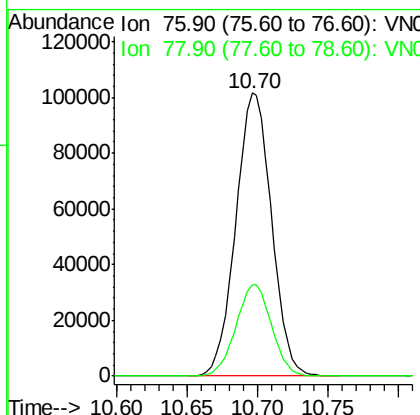
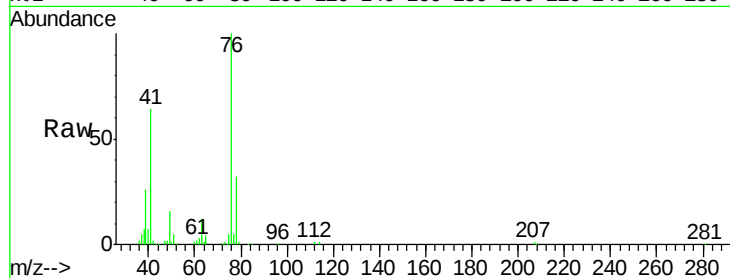
#57
 1,3-Dichloropropane
 Concen: 49.379 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.2

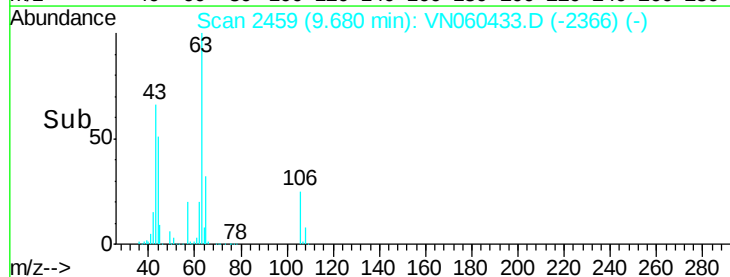
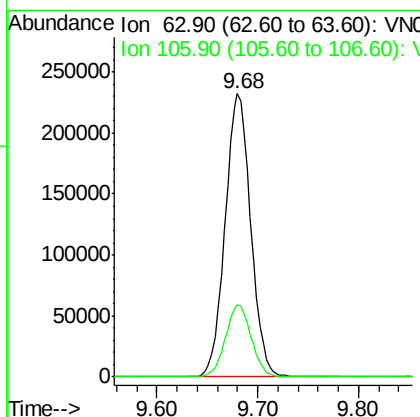
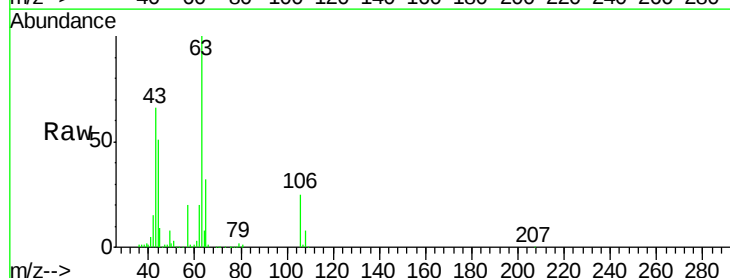
Manual Integrations
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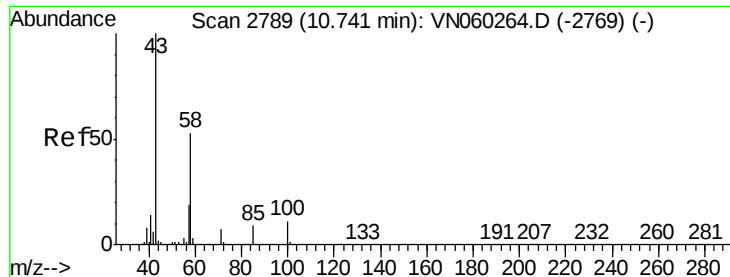
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#58
 2-Chloroethyl Vinyl ether
 Concen: 244.262 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.7	21.1	31.7





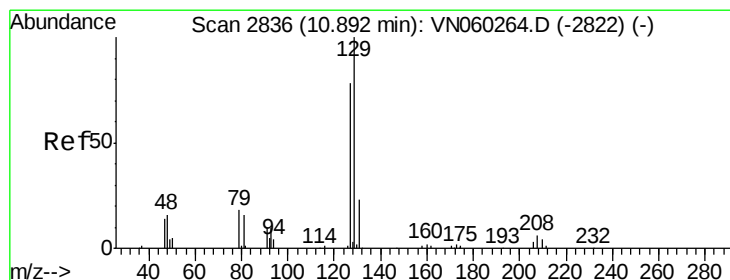
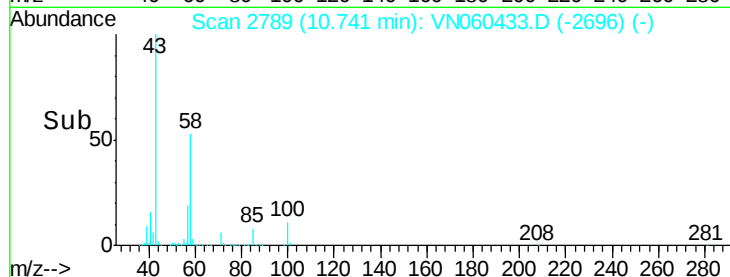
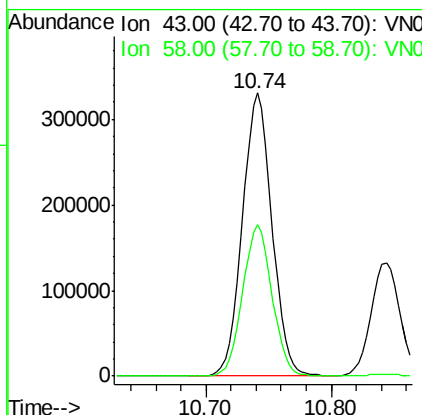
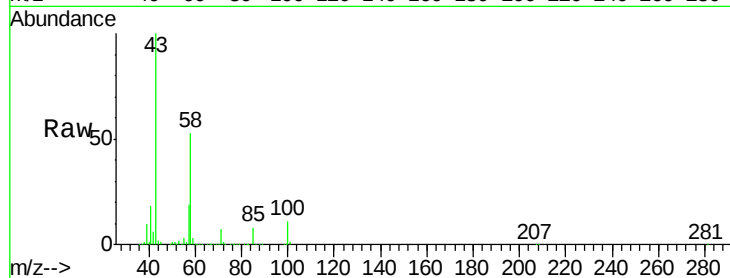
#59
2-Hexanone
Concen: 258.506 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 543340
Ion Ratio Lower Upper
43 100
58 53.2 26.5 79.5

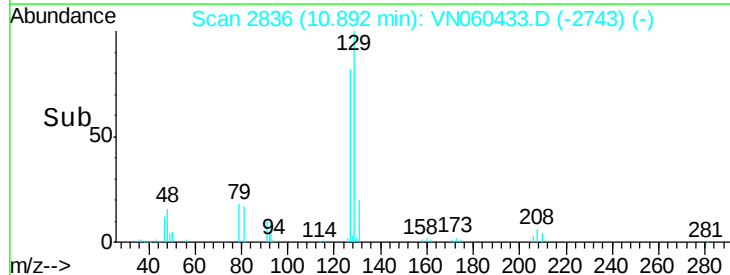
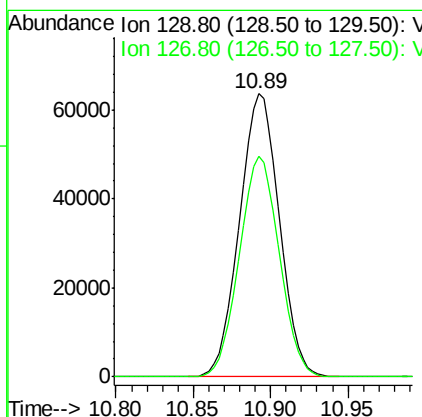
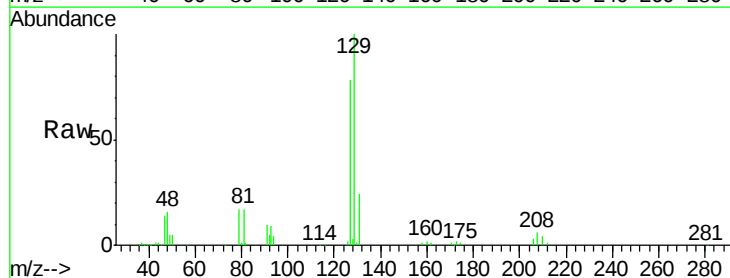
Manual Integrations
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#60
Dibromochloromethane
Concen: 50.149 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 129 Resp: 114209
Ion Ratio Lower Upper
129 100
127 77.9 38.9 116.7





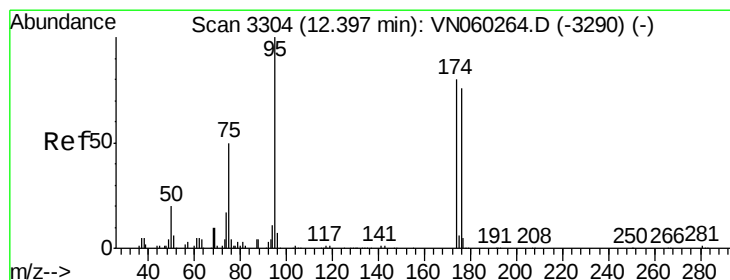
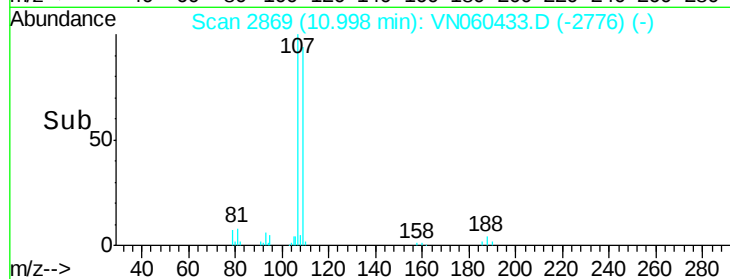
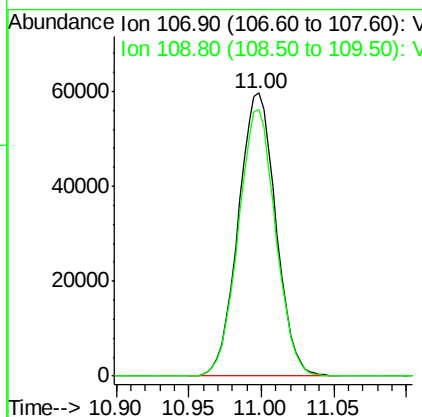
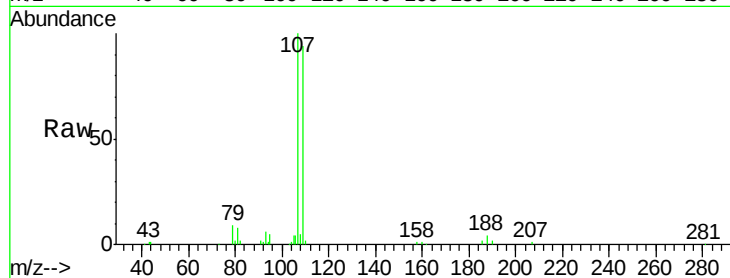
#61
 1,2-Dibromoethane
 Concen: 49.169 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.8	115.2

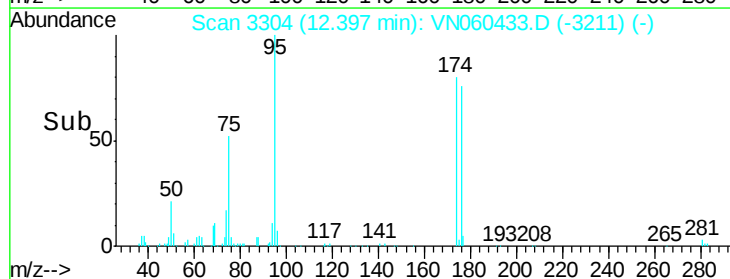
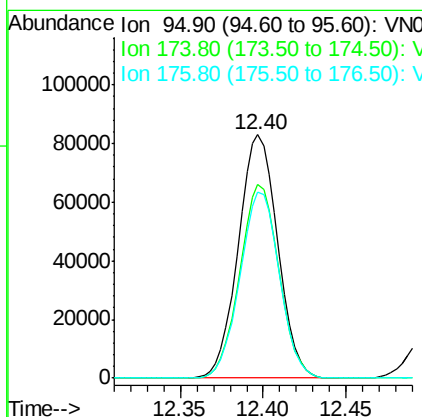
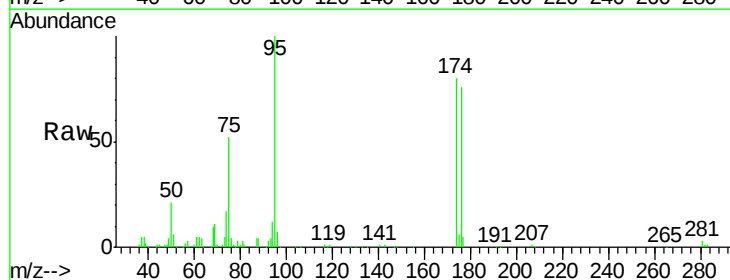
Manual Integrations
 APPROVED

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#62
 4-Bromofluorobenzene
 Concen: 48.155 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	159.2
176	76.7	0.0	153.8





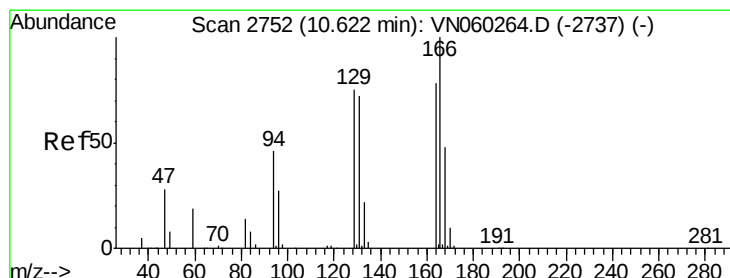
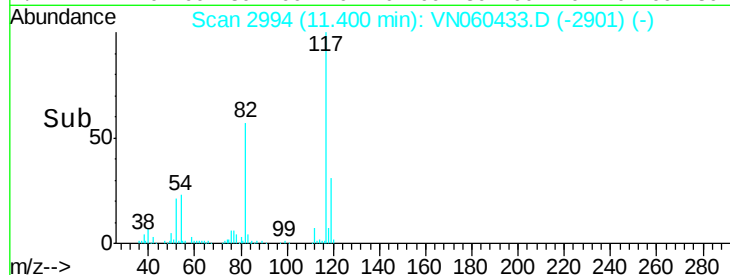
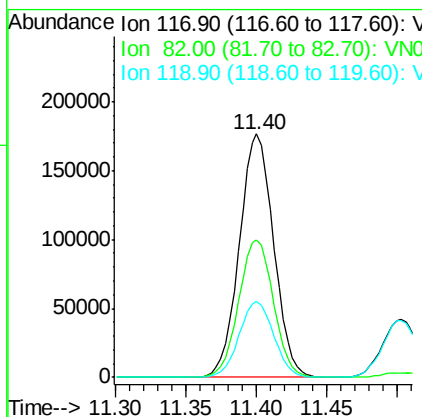
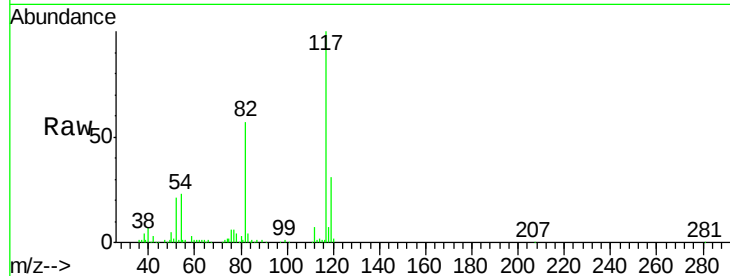
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	300976		
82	56.7		45.8	68.6
119	31.0		25.8	38.8

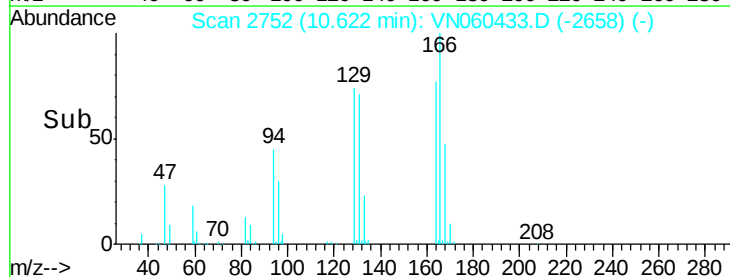
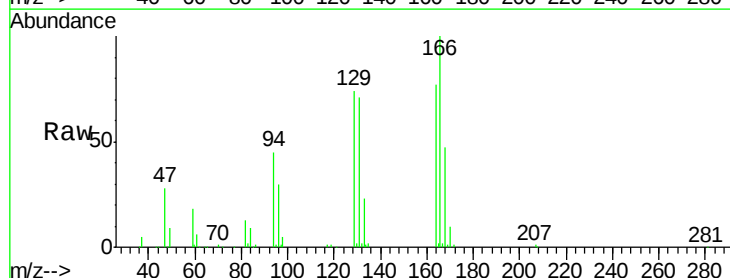
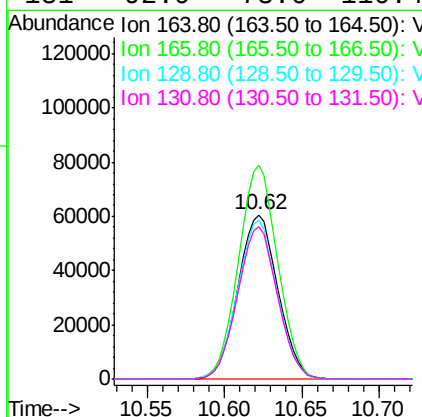
Manual Integrations
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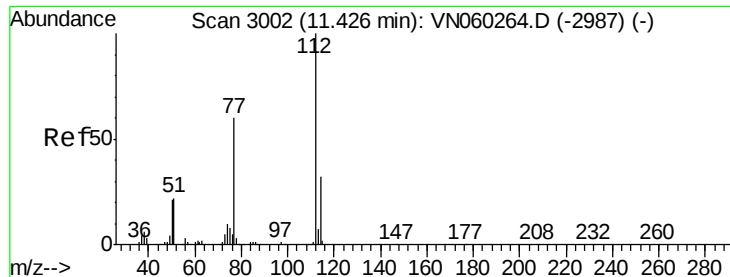
MMDadoda
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#64
Tetrachloroethene
Concen: 45.645 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	108458		
166	130.2		102.0	153.0
129	96.5		76.4	114.6
131	92.9		73.6	110.4





#65

Chlorobenzene

Concen: 45.566 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 276923

Ion Ratio Lower Upper

112 100

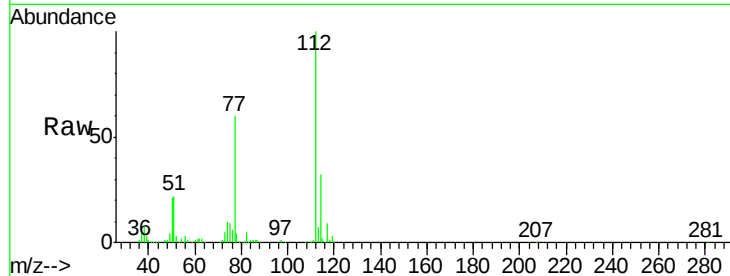
114 31.8 25.4 38.0

Manual Integrations

APPROVED

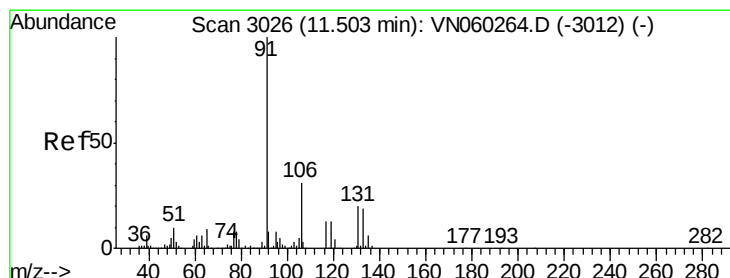
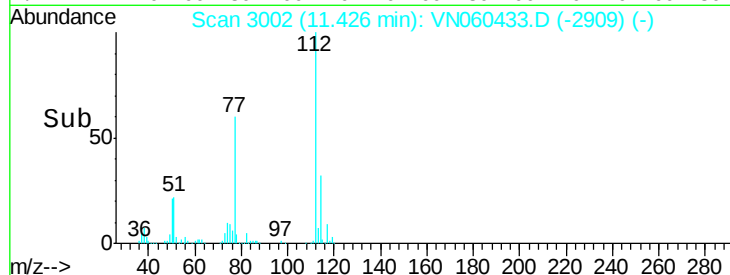
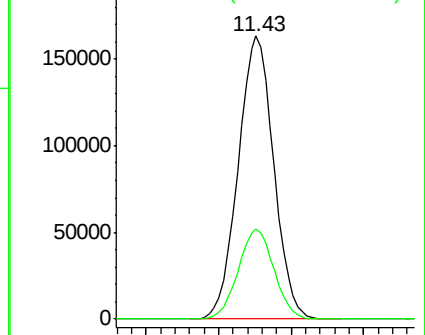
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.519 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

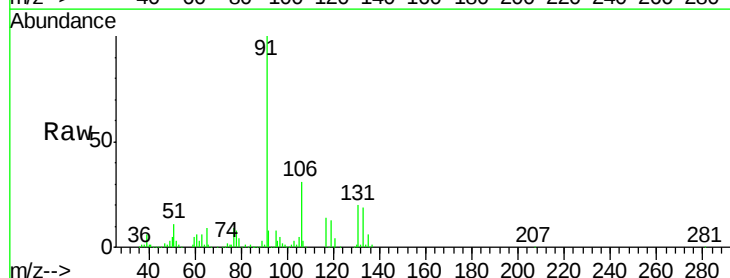
Tgt Ion:131 Resp: 106780

Ion Ratio Lower Upper

131 100

133 95.7 47.7 143.1

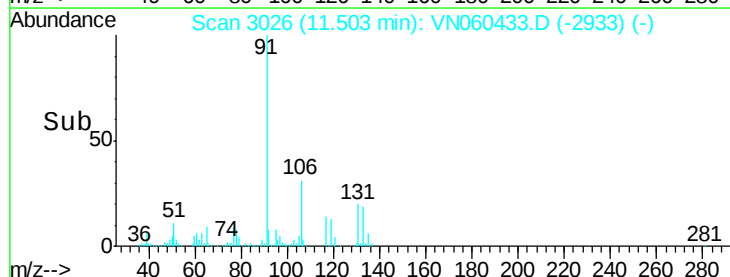
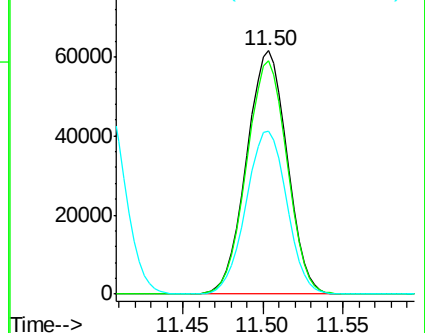
119 67.3 33.2 99.6

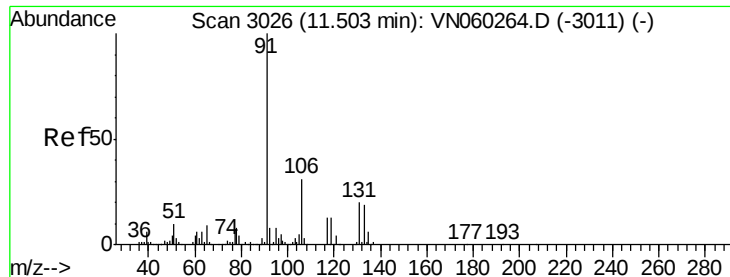


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





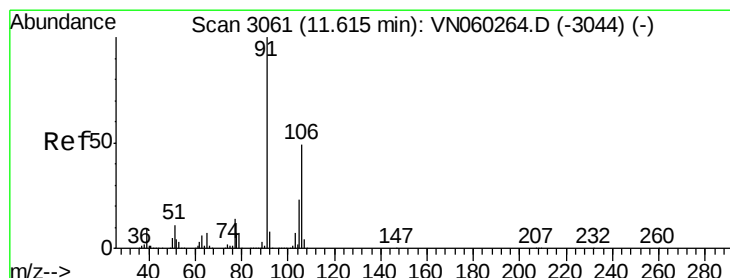
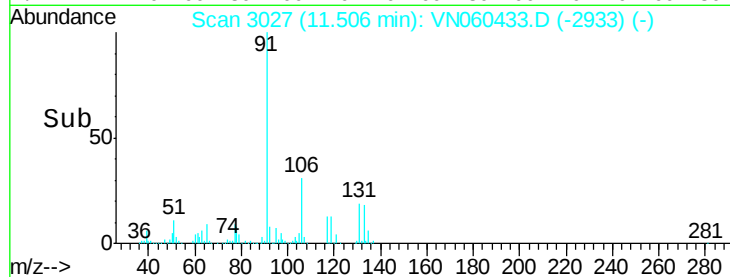
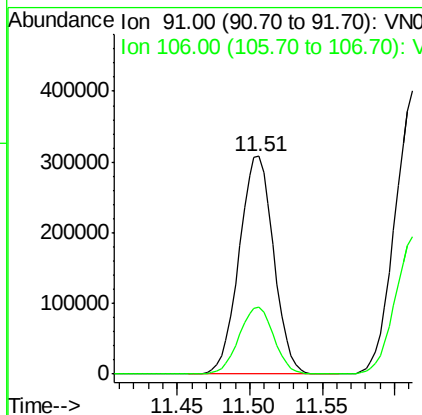
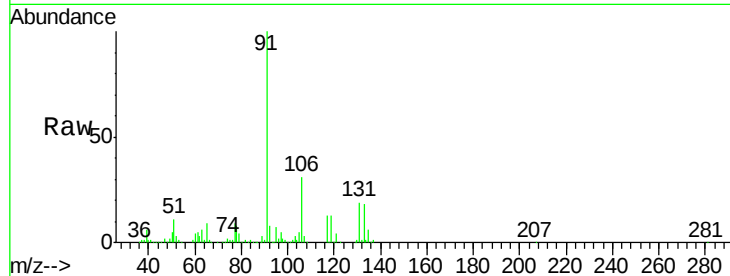
#67
Ethyl Benzene
Concen: 46.094 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 510154
Ion Ratio Lower Upper
91 100
106 30.7 24.7 37.1

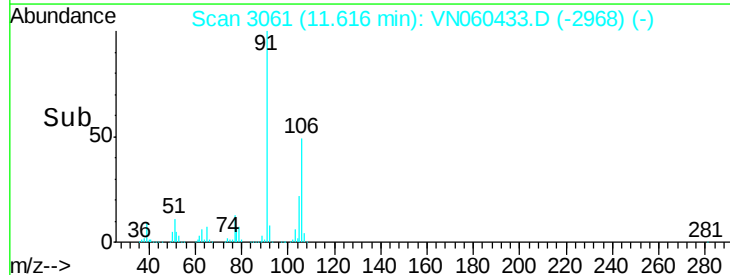
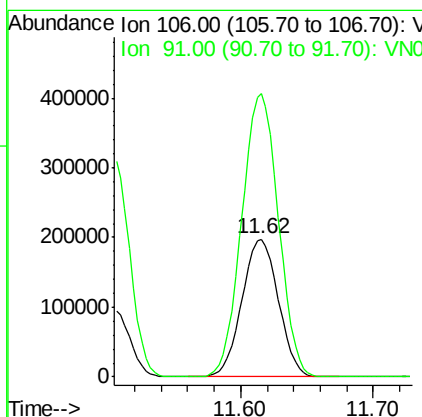
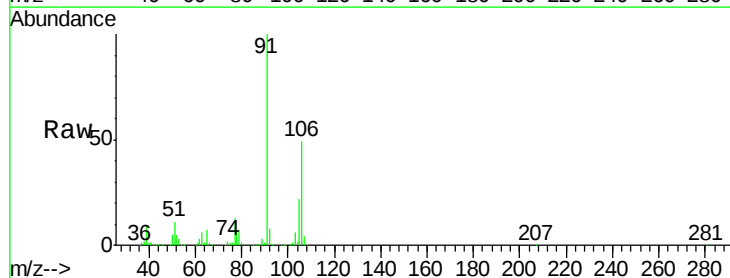
Manual Integrations
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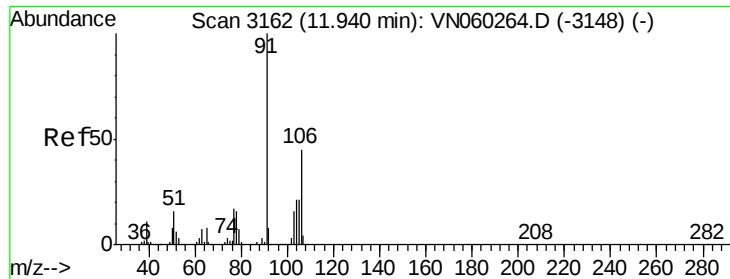
MMDadoda
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#68
m/p-Xylenes
Concen: 90.350 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion: 106 Resp: 377274
Ion Ratio Lower Upper
106 100
91 206.4 164.5 246.7





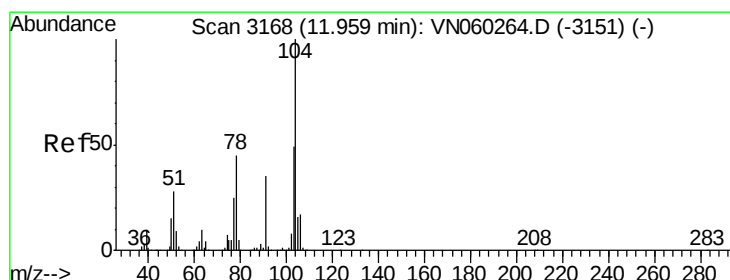
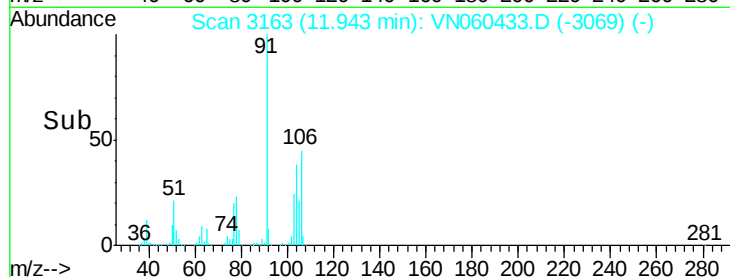
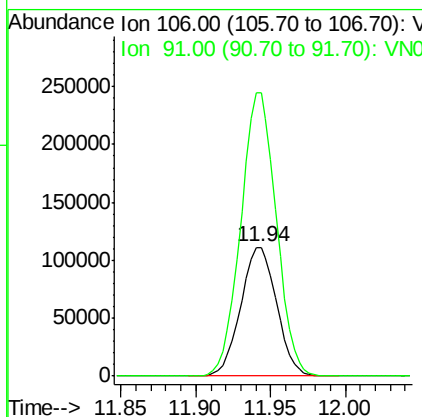
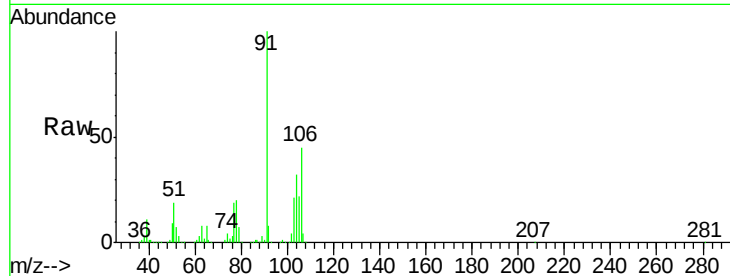
#69
o-Xylene
Concen: 46.587 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	217.7	109.5	328.4	

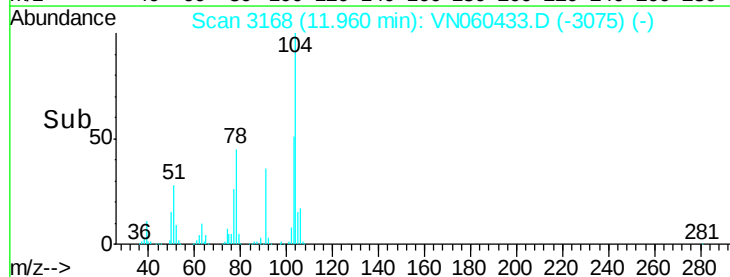
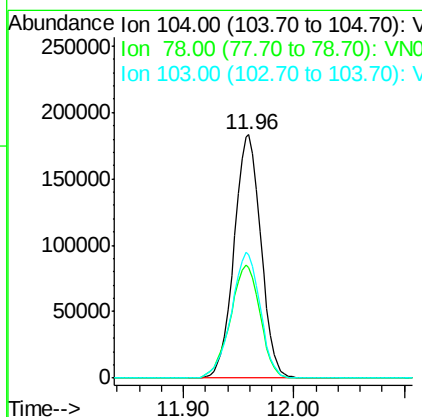
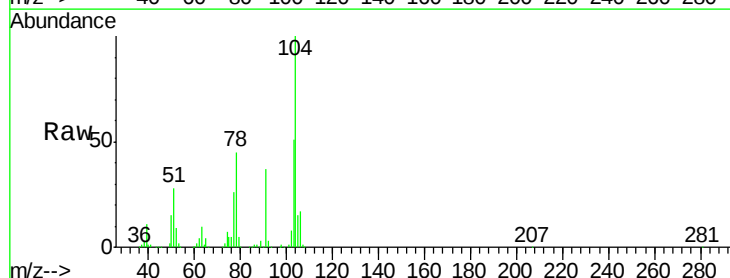
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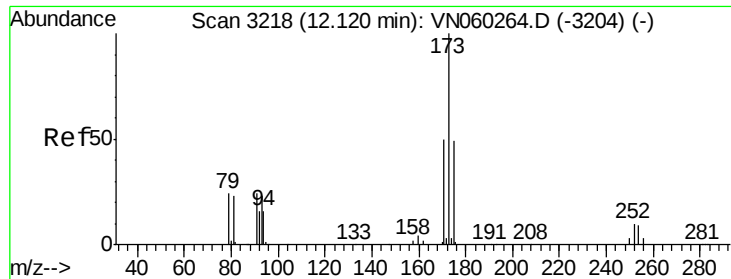
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#70
Styrene
Concen: 47.197 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.4	41.2	61.8	
103	55.4	43.9	65.9	





#71

Bromoform

Concen: 50.499 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

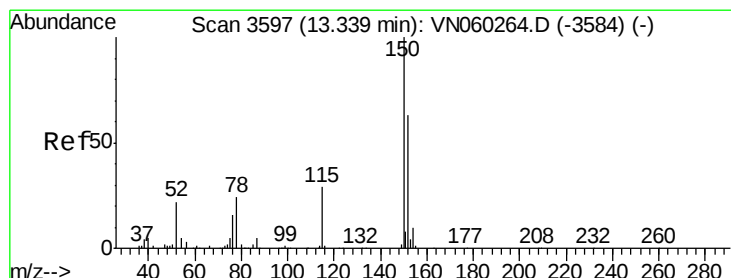
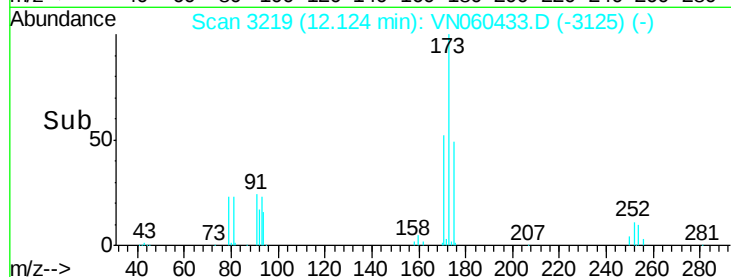
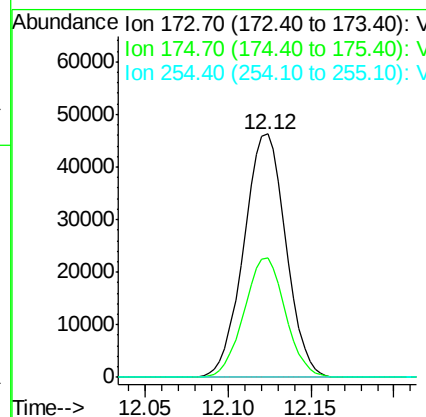
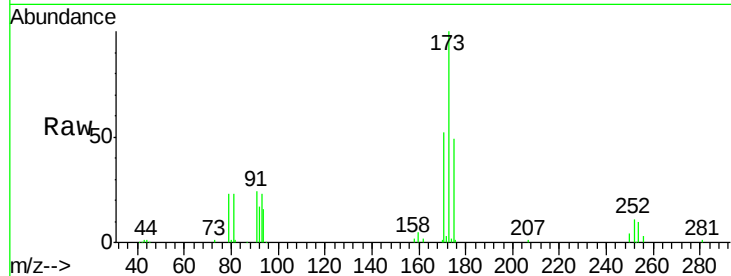
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	81784
Ion Ratio	Lower	Upper	
173	100		
175	48.2	24.1	72.2
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

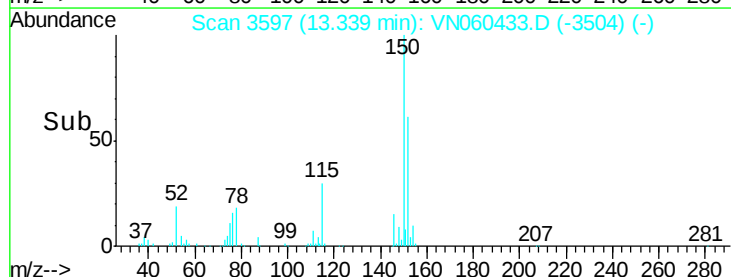
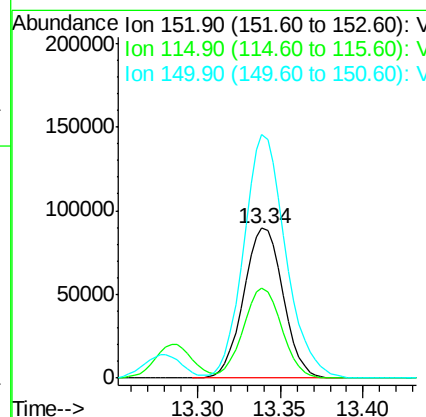
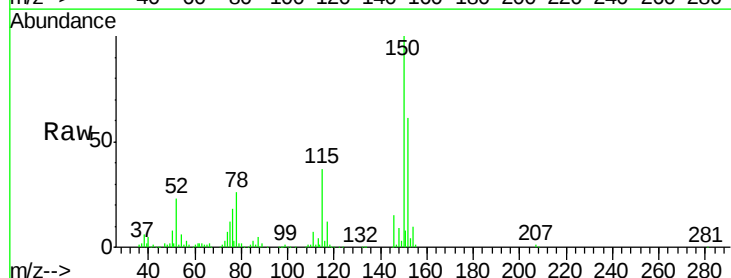
RT: 13.34 min Scan# 3597

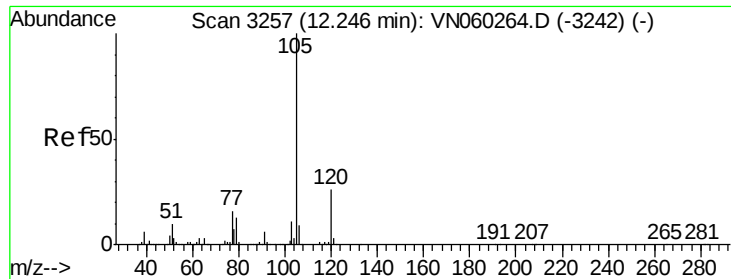
Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion:	152	Resp:	148734
Ion Ratio	Lower	Upper	
152	100		
115	59.0	30.0	90.0
150	171.8	0.0	349.6





#73

Isopropylbenzene

Concen: 45.293 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 499306

Ion Ratio Lower Upper

105 100

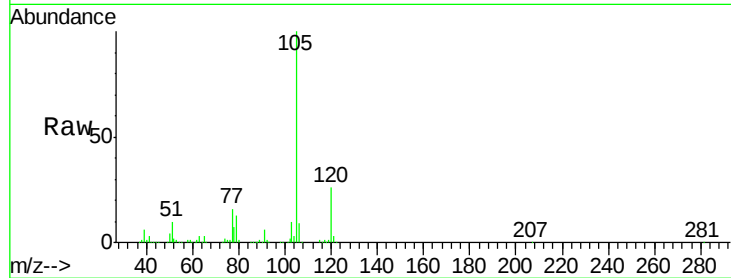
120 26.2 13.0 38.9

Manual Integrations

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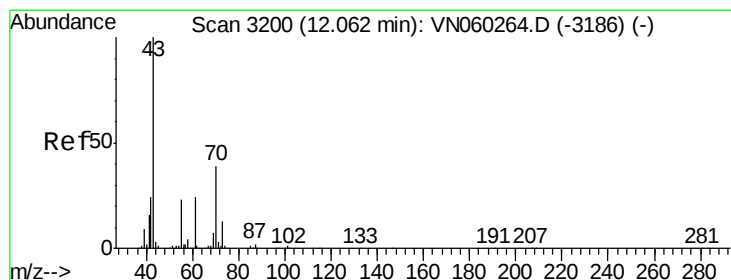
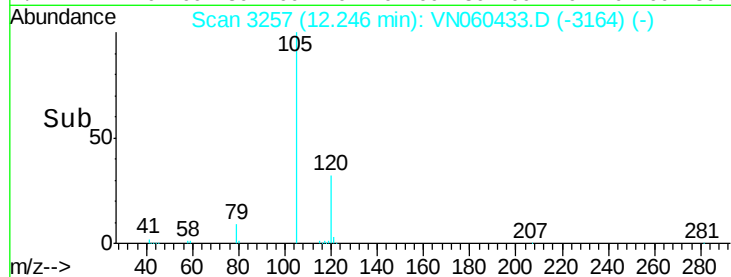
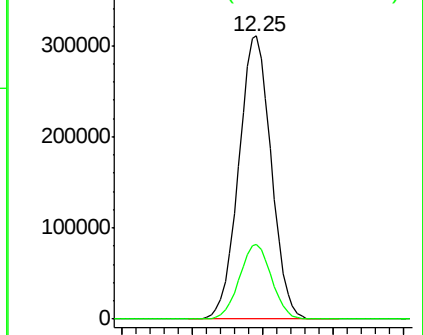
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.535 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion: 43 Resp: 214533

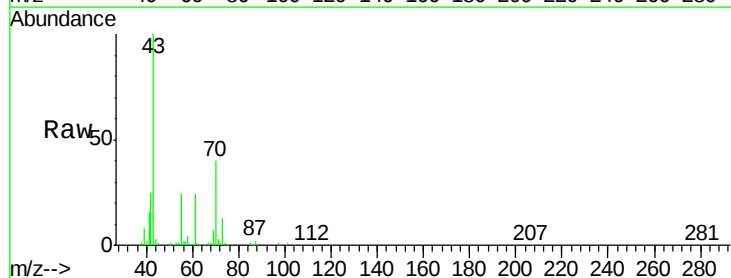
Ion Ratio Lower Upper

43 100

70 39.8 32.2 48.2

55 23.6 18.2 27.4

61 23.6 19.2 28.8

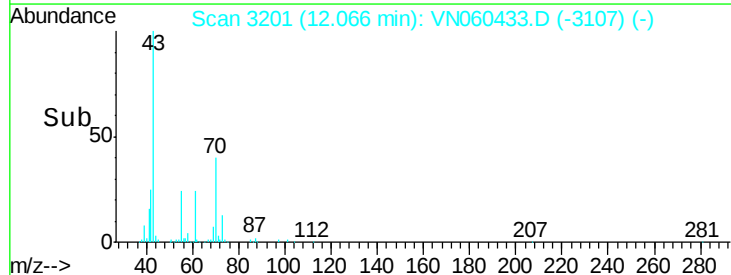
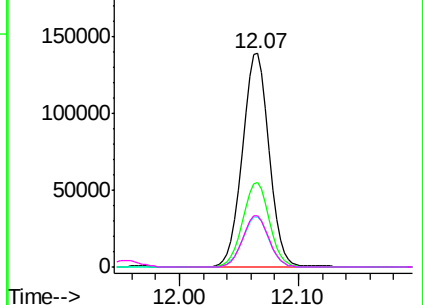


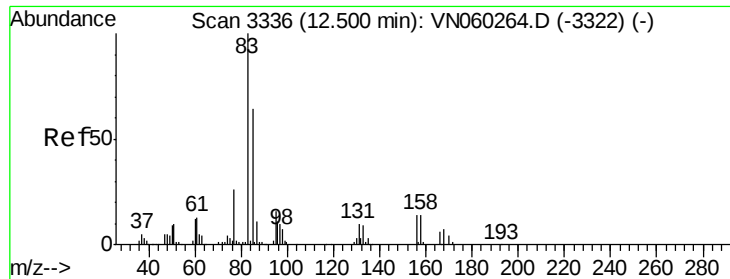
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.524 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

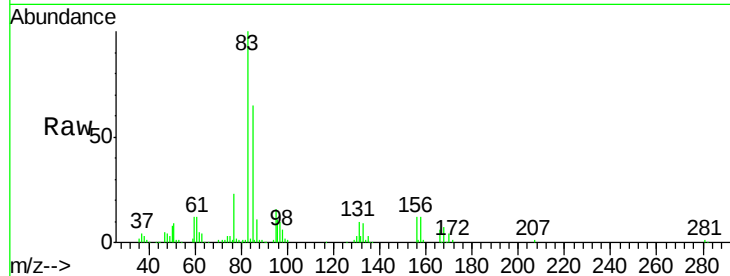
ClientSampleId :

VSTDCCC050EC

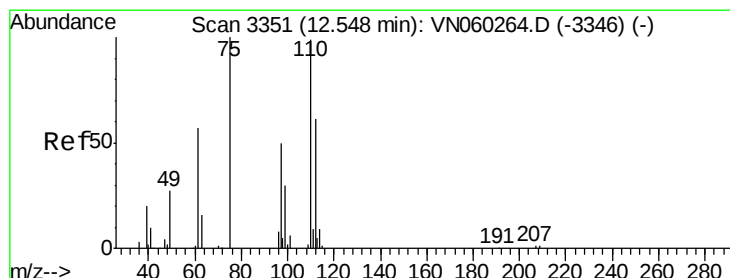
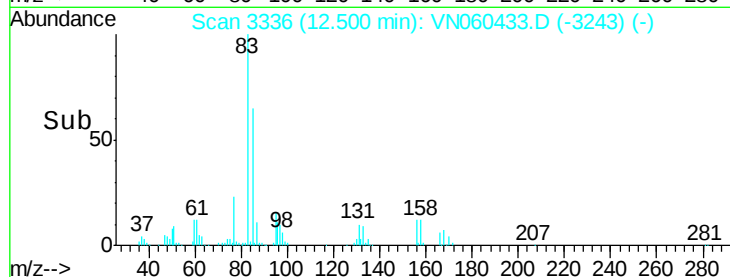
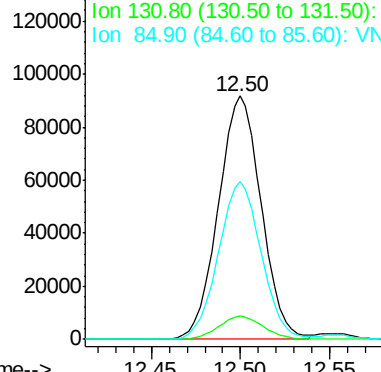
Tot Ion:	83	Resp:	154396
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	64.5	32.3	96.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060433.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 40.049 ug/l m

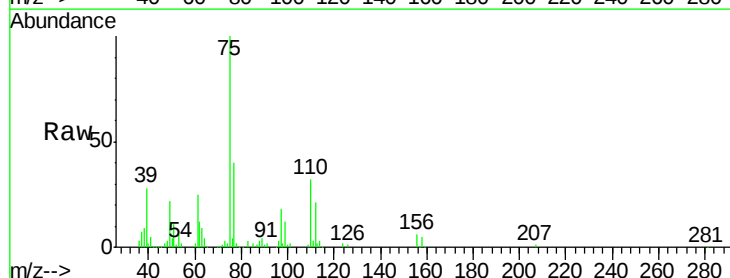
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

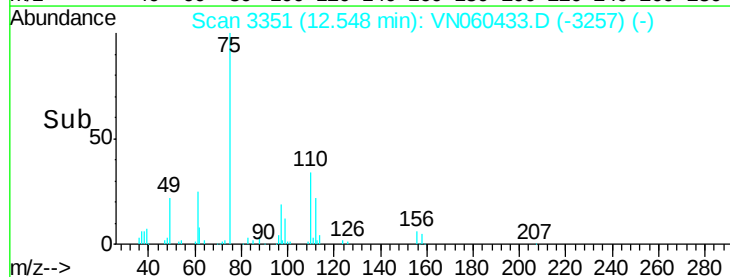
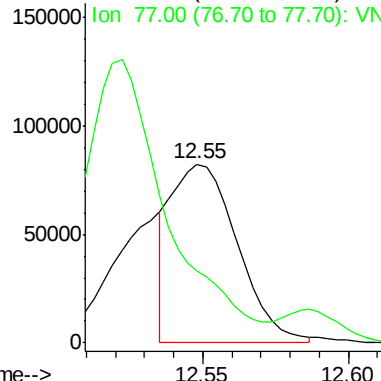
Lab File: VN060433.D

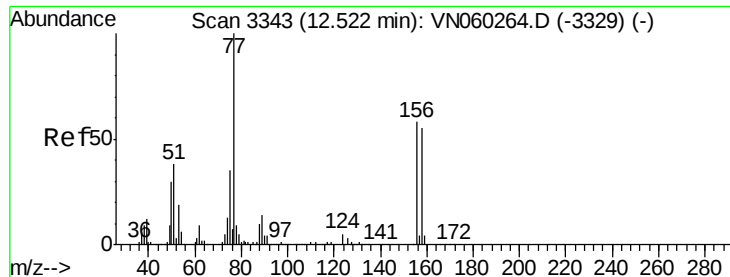
Acq: 10 Mar 2020 21:26

Tgt Ion:	75	Resp:	130688
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060433.D (-3257) (-)





#77

Bromobenzene

Concen: 45.053 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

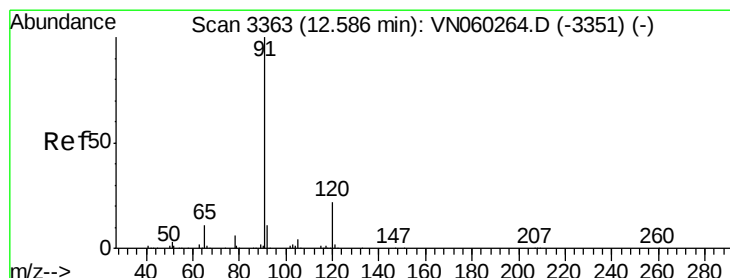
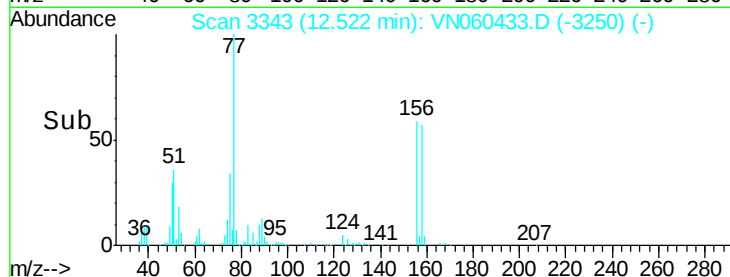
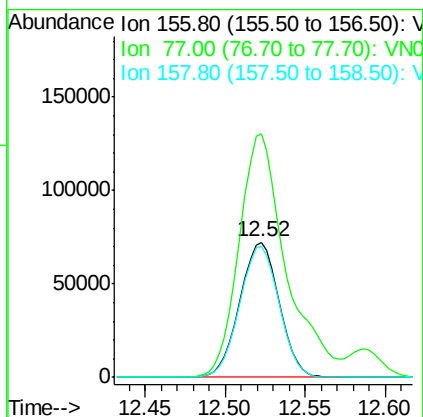
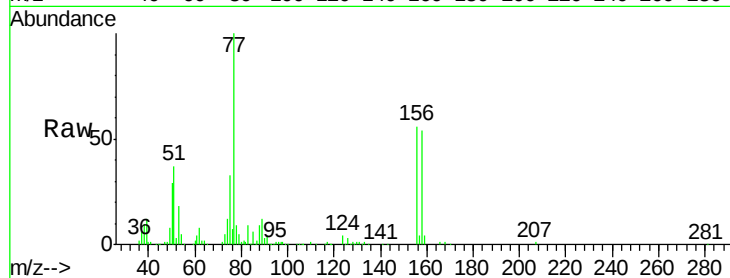
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	121745
Ion Ratio	Lower	Upper	
156	100		
77	215.6	106.1	318.3
158	97.0	48.3	144.8

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3/11/2020 3:23:16 PM



#78

n-propylbenzene

Concen: 45.459 ug/l

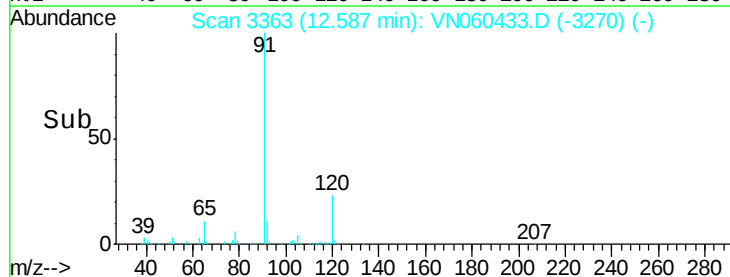
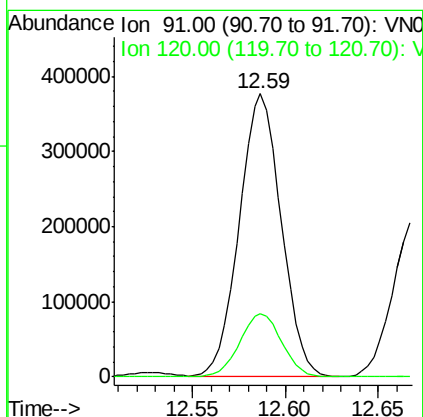
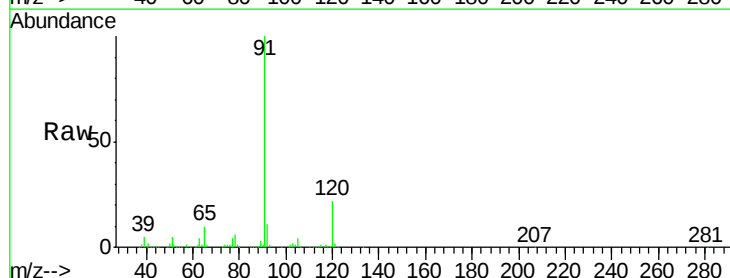
RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion:	91	Resp:	587433
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.3	33.9





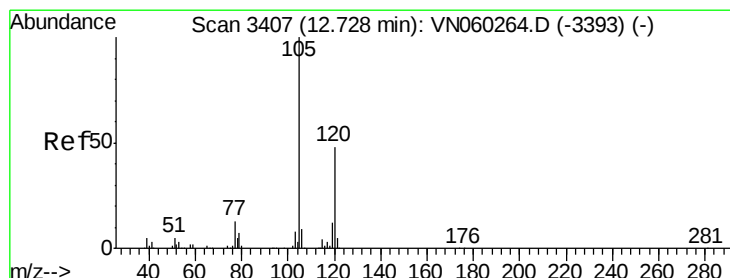
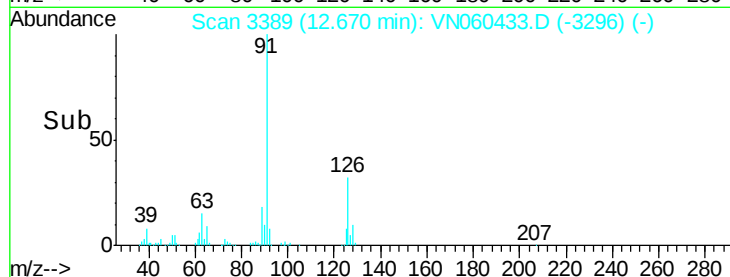
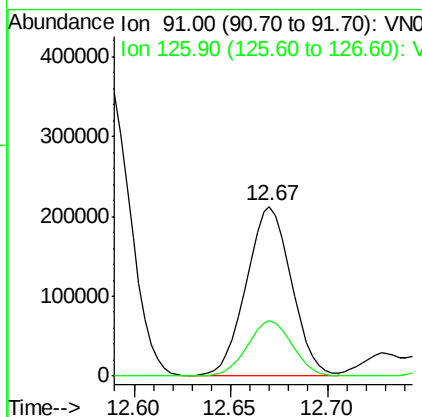
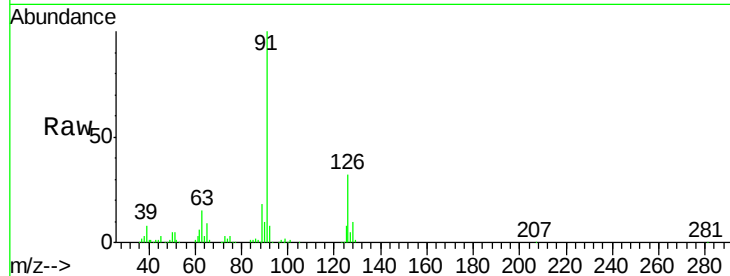
#79
 2-Chlorotoluene
 Concen: 45.470 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 345388
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.6 49.8

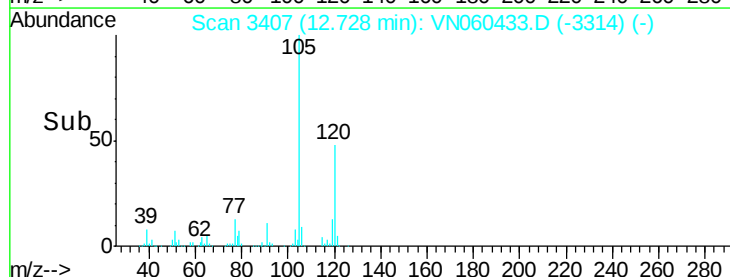
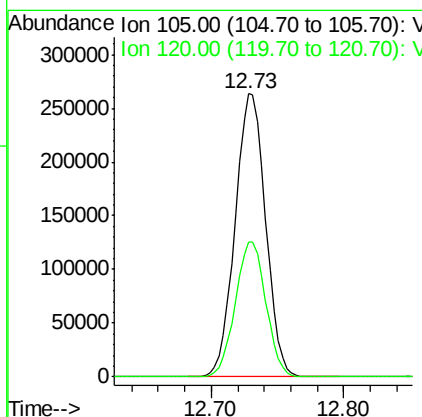
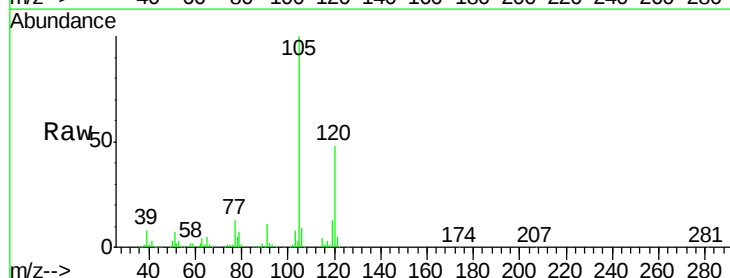
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#80
 1,3,5-Trimethylbenzene
 Concen: 45.177 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion: 105 Resp: 419322
 Ion Ratio Lower Upper
 105 100
 120 47.9 24.1 72.4





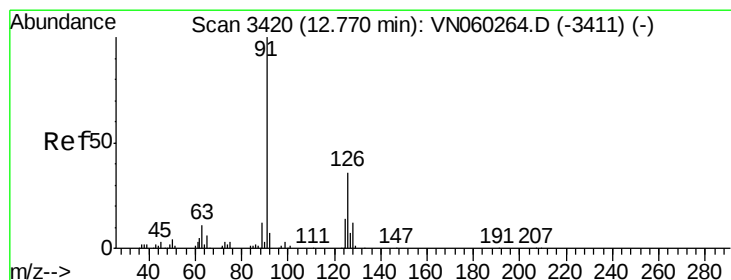
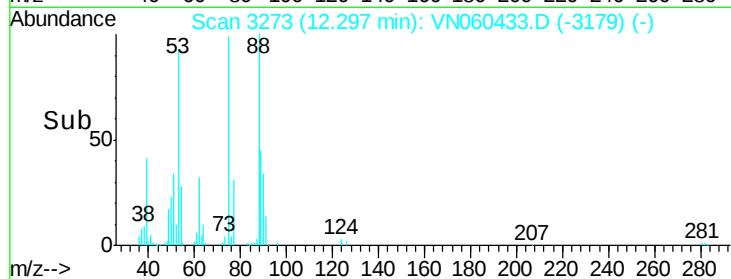
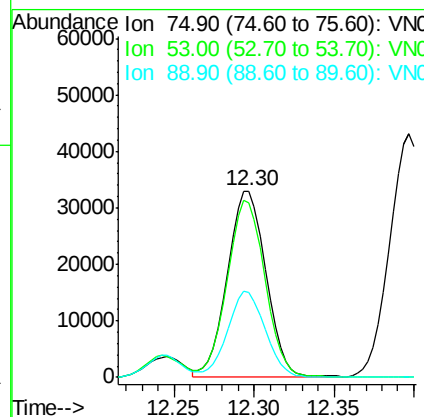
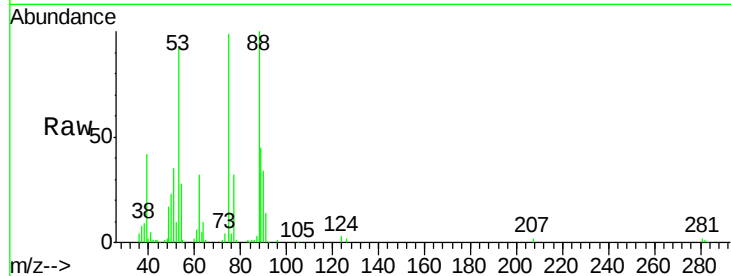
#81
trans-1,4-Dichloro-2-butene
Concen: 46.293 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.7	73.8	110.6
89	44.7	57.1	85.7#

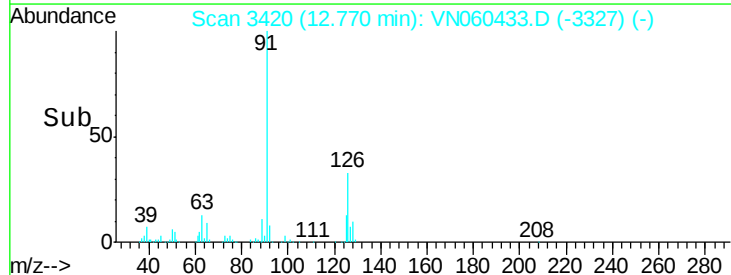
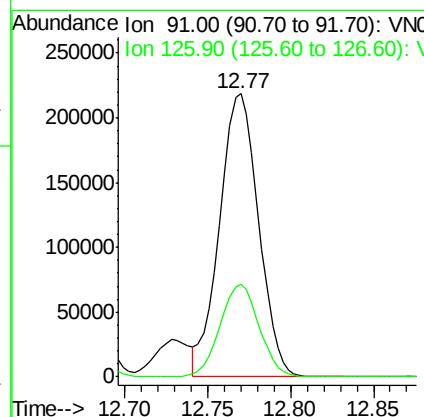
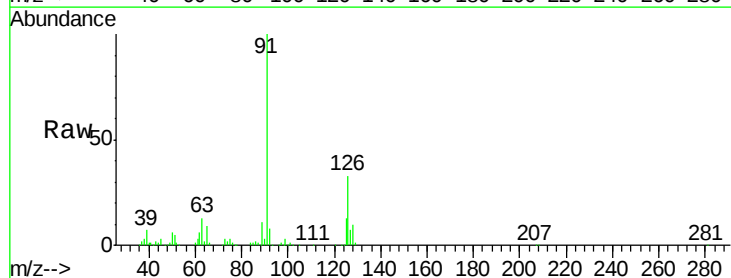
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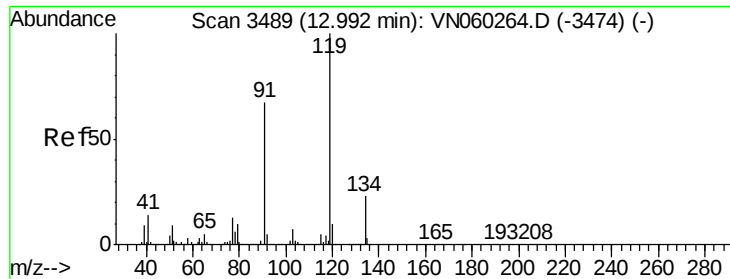
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3/11/2020 3:23:16 PM



#82
4-Chlorotoluene
Concen: 44.639 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.7	50.1





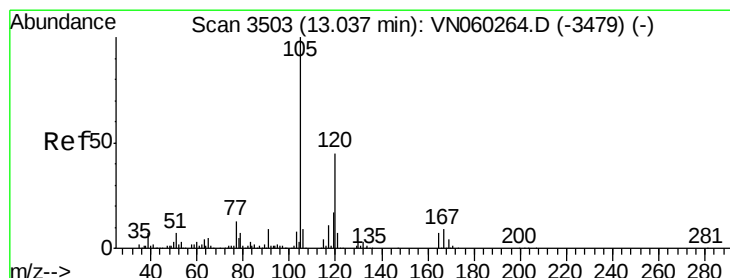
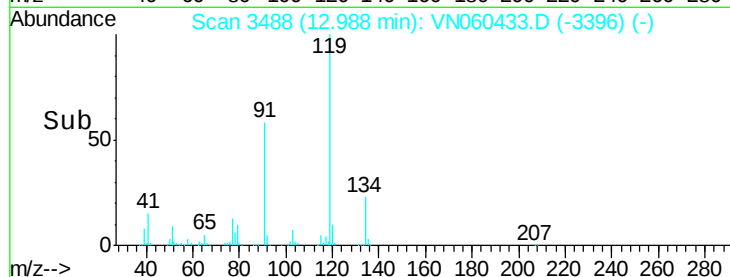
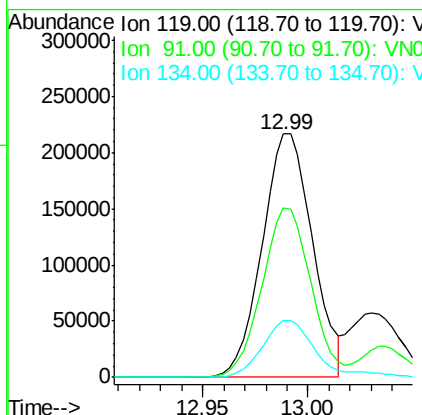
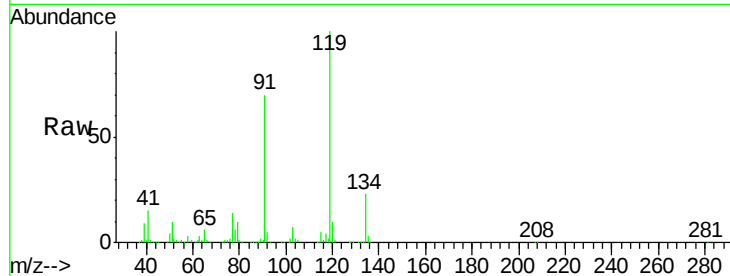
#83
 tert-Butylbenzene
 Concen: 44.809 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	33.1	99.2
134	24.9	12.4	37.0

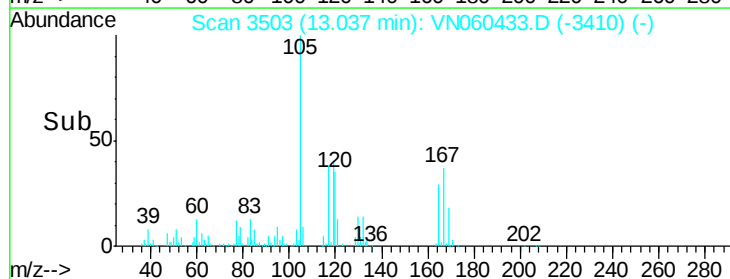
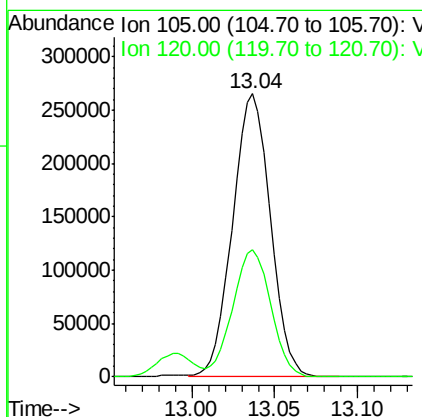
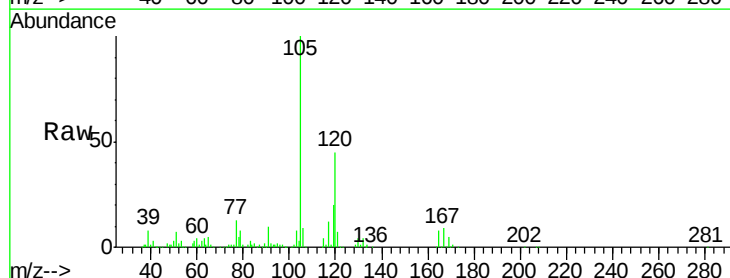
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 3/11/2020 3:23:16 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 44.834 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.3	66.9





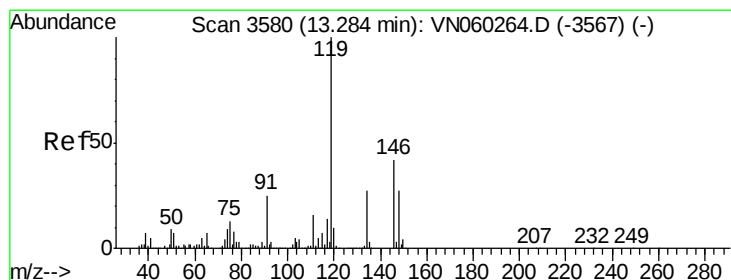
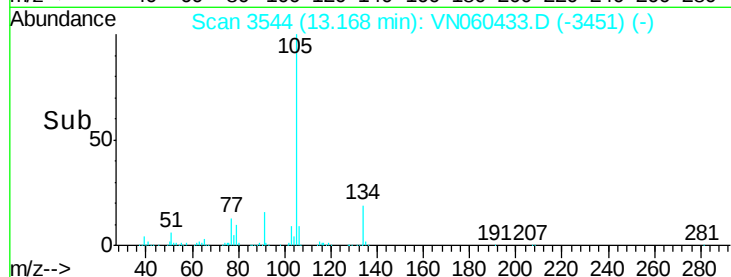
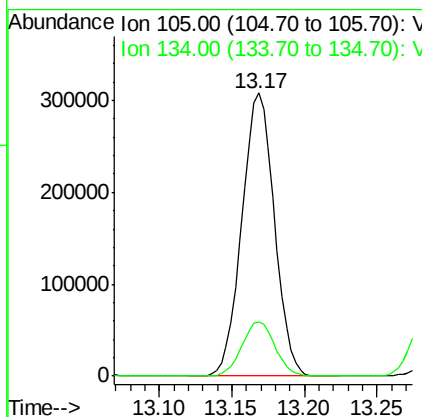
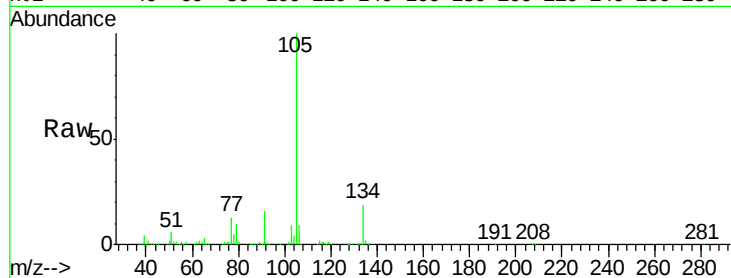
#85
 sec-Butylbenzene
 Concen: 44.680 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	480808		
134	19.5	9.8	29.5	

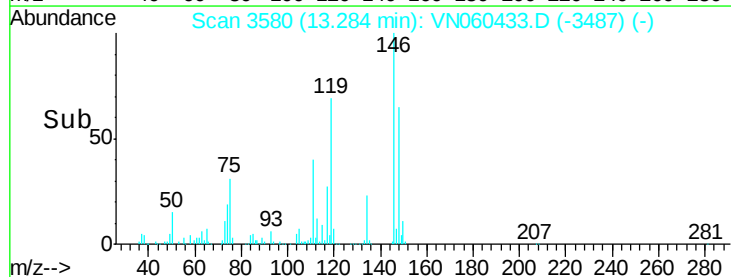
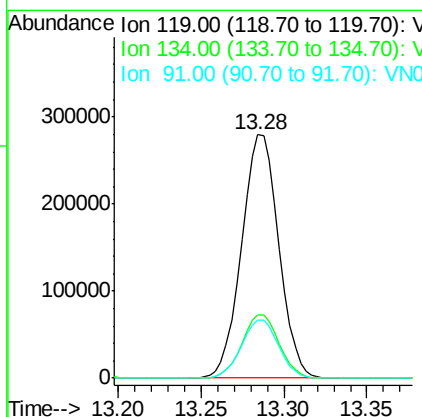
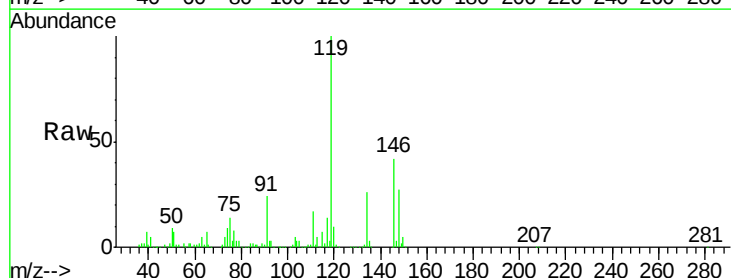
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 3/11/2020 3:23:16 PM



#86
 p-Isopropyltoluene
 Concen: 43.554 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	433800		
134	26.1	13.2	39.6	
91	24.1	12.2	36.6	





#87

1,3-Dichlorobenzene

Concen: 46.803 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060433.D

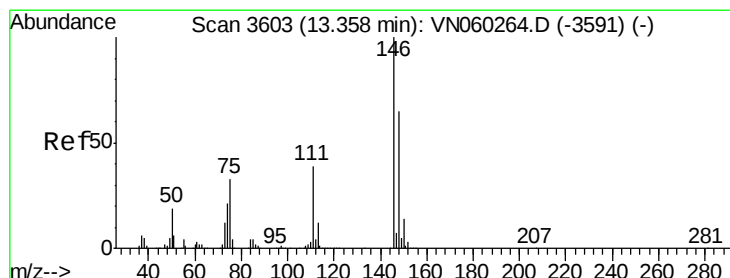
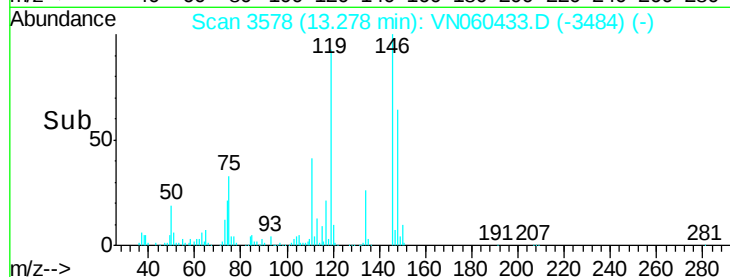
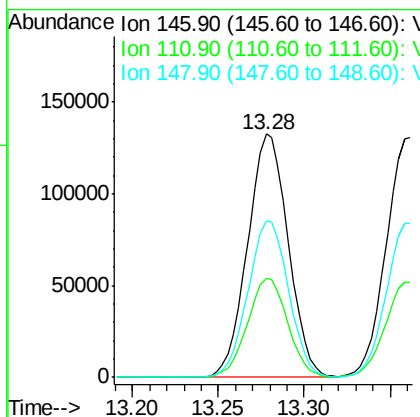
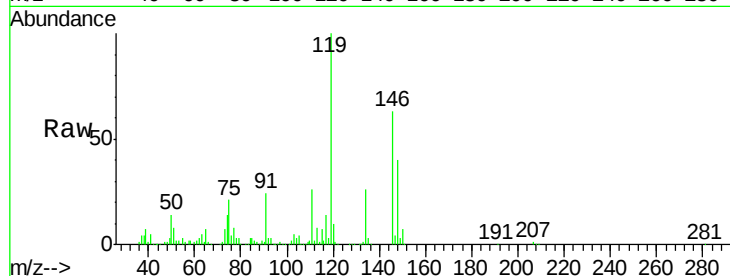
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	59.9
148	64.3	32.1	96.3

Manual Integrations
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3/11/2020 3:23:16 PM



#88

1,4-Dichlorobenzene

Concen: 47.200 ug/l

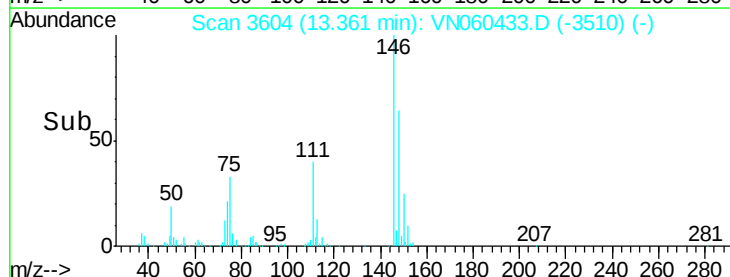
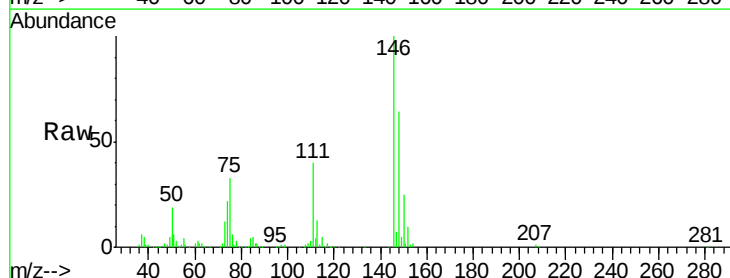
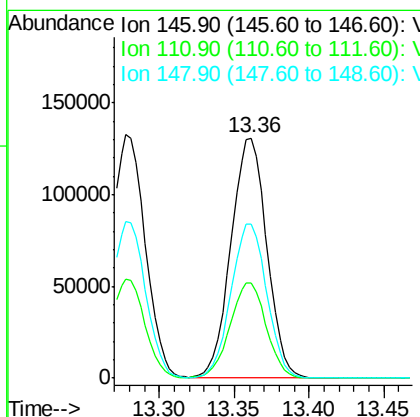
RT: 13.36 min Scan# 3604

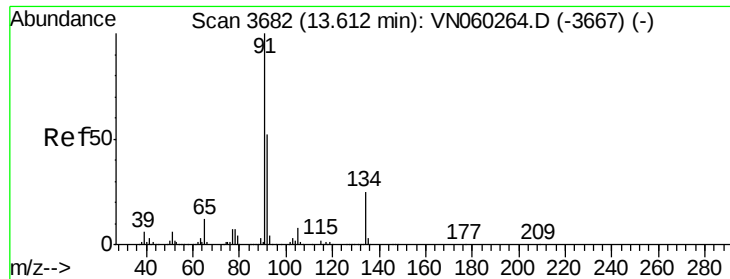
Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.8	59.4
148	64.2	32.3	96.9





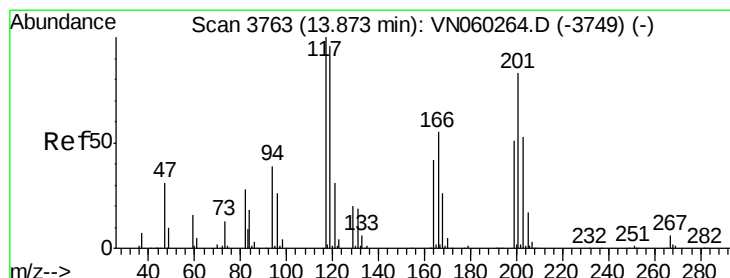
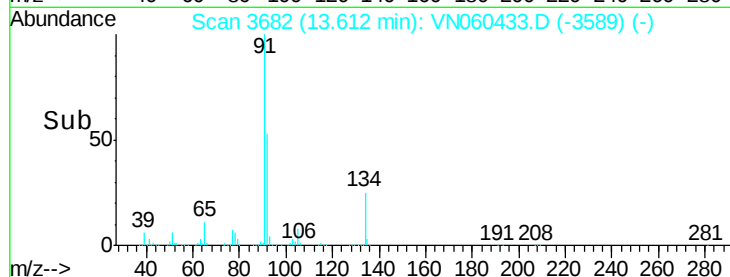
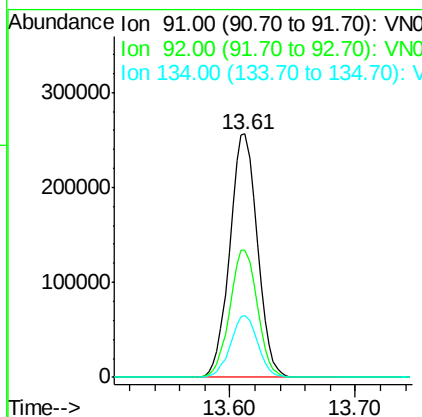
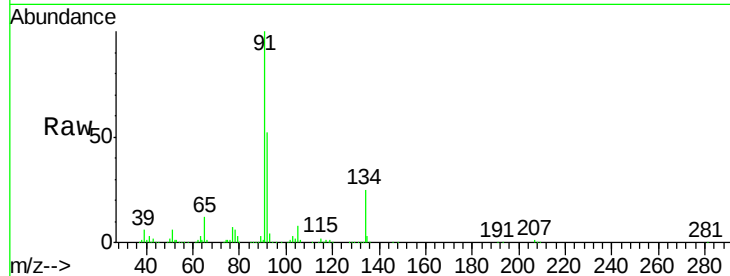
#89
n-Butylbenzene
Concen: 42.812 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	25.1	12.7	38.1

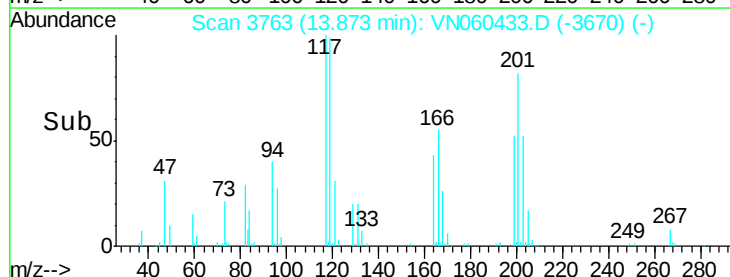
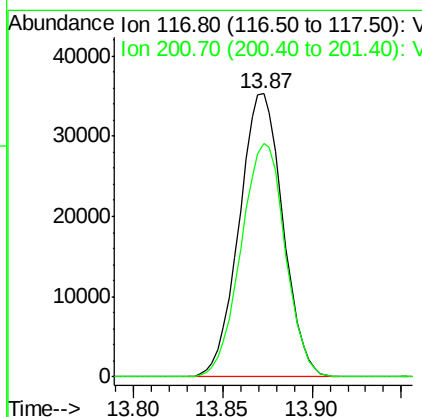
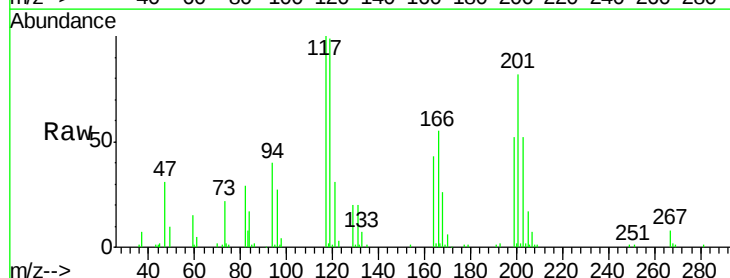
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#90
Hexachloroethane
Concen: 41.856 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.2	41.0	123.0





#91

1,2-Dichlorobenzene

Concen: 44.984 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Instrument :

MSVOA_N

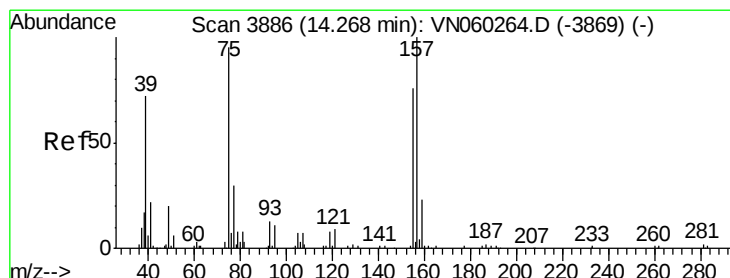
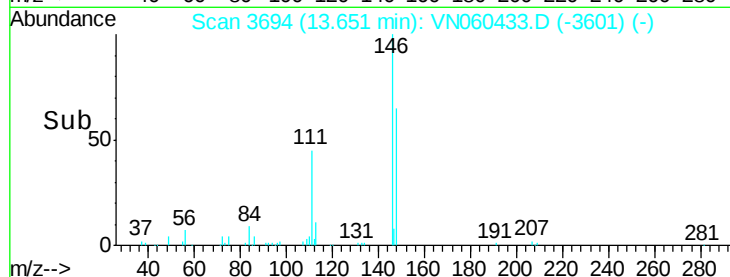
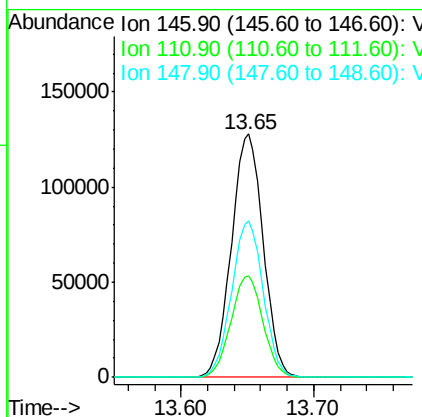
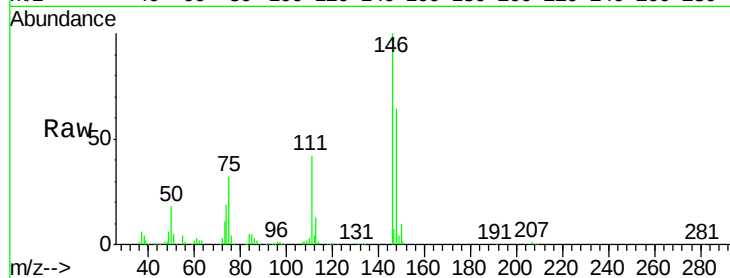
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	212999
Ion Ratio	Lower	Upper	
146	100		
111	41.7	20.3	61.0
148	63.9	31.8	95.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.744 ug/l

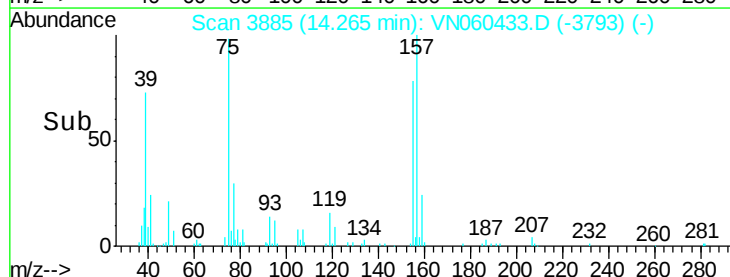
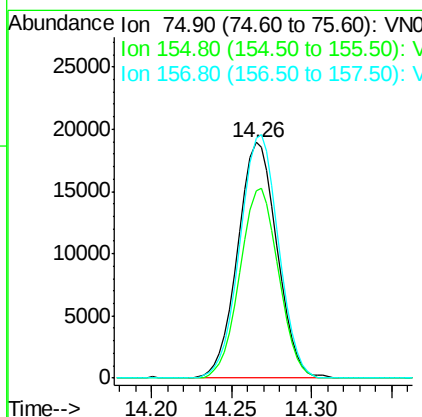
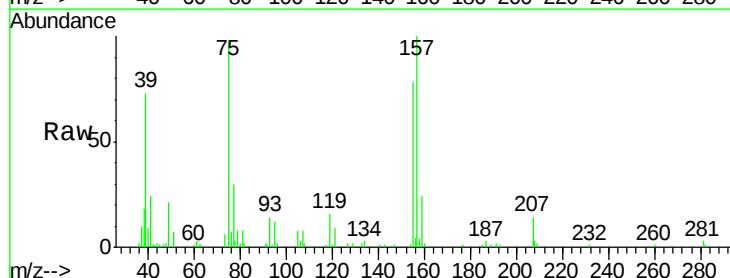
RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN060433.D

Acq: 10 Mar 2020 21:26

Tgt Ion:	75	Resp:	31720
Ion Ratio	Lower	Upper	
75	100		
155	79.0	40.4	121.2
157	101.3	52.5	157.5





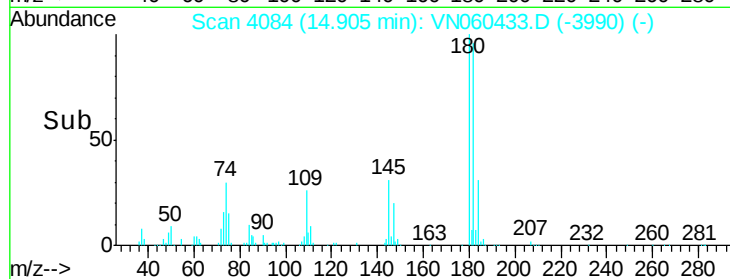
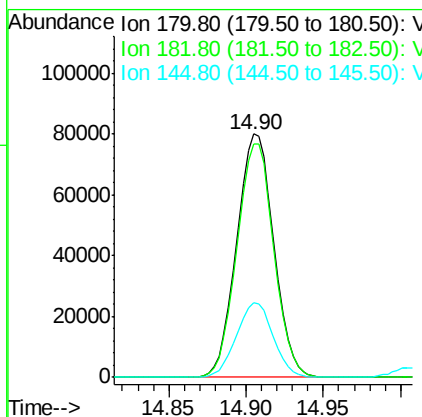
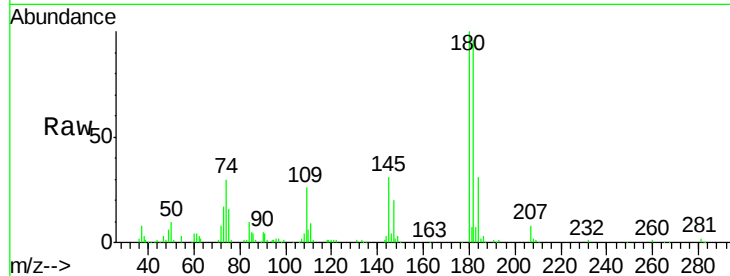
#93
 1,2,4-Trichlorobenzene
 Concen: 44.297 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	133248
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.8	143.3
145	30.4	15.4	46.1

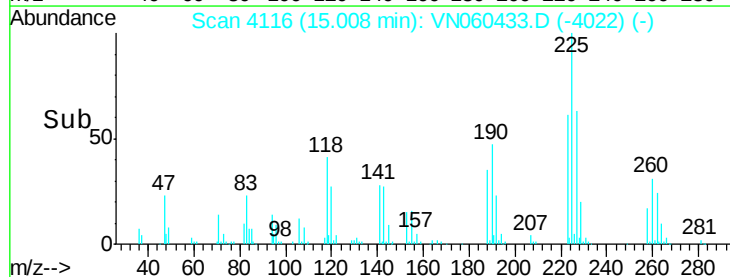
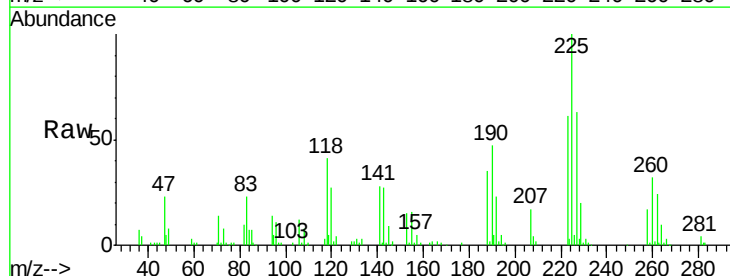
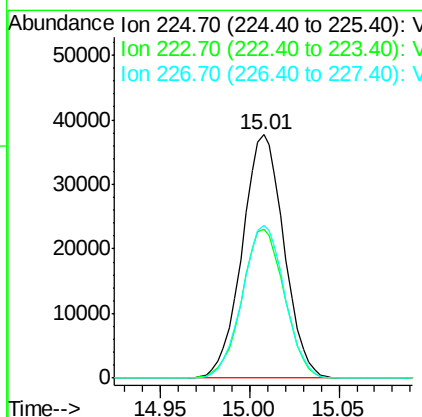
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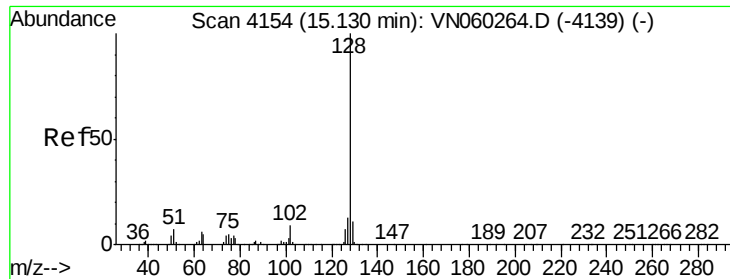
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 3/11/2020 3:23:16 PM



#94
 Hexachlorobutadiene
 Concen: 44.585 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060433.D
 Acq: 10 Mar 2020 21:26

Tgt Ion:	225	Resp:	61749
Ion Ratio	Lower	Upper	
225	100		
223	62.1	31.3	93.9
227	63.4	32.3	96.9





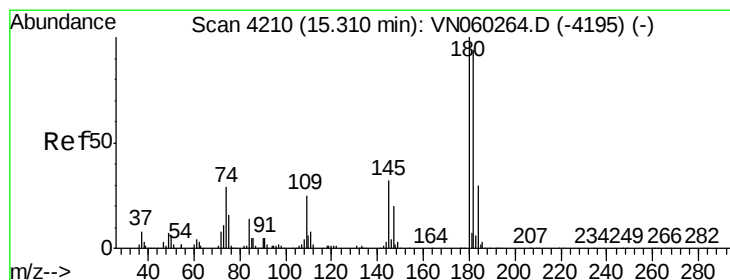
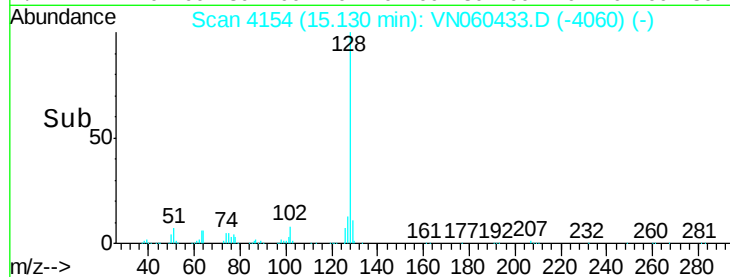
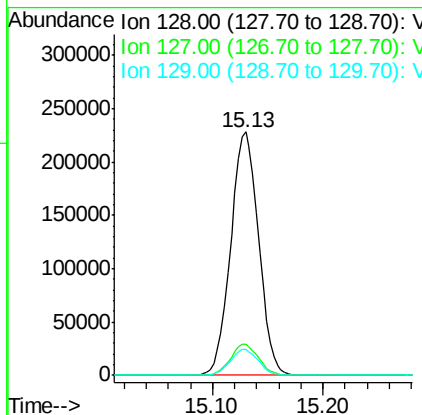
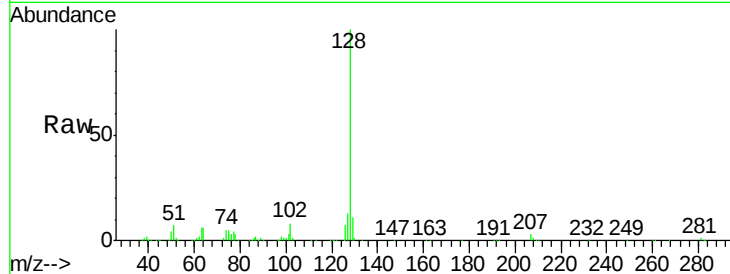
#95
Naphthalene
Concen: 45.044 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/11/2020 3:23:16 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.236 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060433.D
Acq: 10 Mar 2020 21:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	142.0
145	32.3	16.2	48.5

