

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063645.D
 Acq On : 24 Sep 2020 21:51
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 9/28/2020 5:17:18 PM

Quant Time: Sep 25 05:22:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	238404	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	412089	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	383330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	197150	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.55	113	138079	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
50) Toluene-d8	10.06	98	504869	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	
62) 4-Bromofluorobenzene	12.38	95	191965	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	113822	42.142	ug/l	98
3) Chloromethane	2.04	50	149282	41.780	ug/l	96
4) Vinyl Chloride	2.16	62	146130	46.162	ug/l	97
5) Bromomethane	2.53	94	91512	48.688	ug/l	98
6) Chloroethane	2.67	64	94310	48.534	ug/l	94
7) Trichlorofluoromethane	2.99	101	230723	48.850	ug/l	99
8) Diethyl Ether	3.37	74	85834	46.619	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	118350	44.557	ug/l	98
10) Methyl Iodide	3.91	142	160242	46.338	ug/l	98
11) Tert butyl alcohol	4.73	59	120836	214.929	ug/l	99
12) 1,1-Dichloroethene	3.70	96	118209	43.938	ug/l	98
13) Acrolein	3.57	56	59620	286.155	ug/l	98
14) Allyl chloride	4.28	41	227276	42.708	ug/l	95
15) Acrylonitrile	4.93	53	344800	241.105	ug/l	99
16) Acetone	3.78	43	309407	237.228	ug/l	98
17) Carbon Disulfide	4.01	76	303482	38.781	ug/l	99
18) Methyl Acetate	4.28	43	174665	52.752	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	471364	47.009	ug/l	99
20) Methylene Chloride	4.50	84	155471	47.048	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	130157	43.666	ug/l	100
22) Diisopropyl ether	5.90	45	507120	46.725	ug/l	98
23) Vinyl Acetate	5.84	43	2105440	236.209	ug/l	100
24) 1,1-Dichloroethane	5.80	63	273577	46.170	ug/l	98
25) 2-Butanone	6.78	43	489336	243.946	ug/l	100
26) 2,2-Dichloropropane	6.78	77	191598	36.726	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	156736	46.457	ug/l	100
28) Bromochloromethane	7.15	49	134047	48.995	ug/l	97
29) Tetrahydrofuran	7.16	42	320631	234.037	ug/l	99
30) Chloroform	7.33	83	286347	48.167	ug/l	98
31) Cyclohexane	7.62	56	209736	37.420	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	250939	47.458	ug/l	100
36) 1,1-Dichloropropene	7.76	75	197470	44.979	ug/l	98
37) Ethyl Acetate	6.88	43	209527	48.627	ug/l	99
38) Carbon Tetrachloride	7.74	117	210809	47.039	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	188372	39.534	ug/l	96
40) Benzene	8.00	78	589276	47.020	ug/l	97
41) Methacrylonitrile	7.14	41	101994m	52.630	ug/l	
42) 1,2-Dichloroethane	8.09	62	253461	50.291	ug/l	98
43) Isopropyl Acetate	8.13	43	360470	46.786	ug/l #	90
44) Trichloroethene	8.80	130	144404	47.506	ug/l	100
45) 1,2-Dichloropropane	9.09	63	162946	47.738	ug/l	99
46) Dibromomethane	9.17	93	111023	49.488	ug/l	99
47) Bromodichloromethane	9.37	83	233719	50.147	ug/l	99
48) Methyl methacrylate	9.17	41	177978	47.018	ug/l	96
49) 1,4-Dioxane	9.16	88	48391	890.822	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1090787	252.889	ug/l	98
52) Toluene	10.13	92	368614	48.921	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	240870	46.294	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	251672	45.857	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	153071	51.144	ug/l	98
56) Ethyl methacrylate	10.40	69	228858	48.982	ug/l	98
57) 1,3-Dichloropropane	10.68	76	264326	48.974	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	572360	233.521	ug/l	99
59) 2-Hexanone	10.72	43	791544	253.304	ug/l	100
60) Dibromochloromethane	10.87	129	169377	50.094	ug/l	99
61) 1,2-Dibromoethane	10.98	107	159332	51.242	ug/l	99
64) Tetrachloroethene	10.60	164	132916	50.922	ug/l	97
65) Chlorobenzene	11.41	112	384653	47.272	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	148360	49.740	ug/l	99
67) Ethyl Benzene	11.49	91	705342	46.030	ug/l	97
68) m/p-Xylenes	11.59	106	522466	94.565	ug/l	99
69) o-Xylene	11.92	106	252171	47.913	ug/l	100
70) Styrene	11.94	104	438020	49.628	ug/l	99
71) Bromoform	12.10	173	114785	51.657	ug/l #	100
73) Isopropylbenzene	12.23	105	685444	46.598	ug/l	99
74) N-amyl acetate	12.05	43	325376	46.729	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	221467	48.625	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	211060m	46.454	ug/l	
77) Bromobenzene	12.50	156	164875	49.829	ug/l	95
78) n-propylbenzene	12.57	91	794038	46.347	ug/l	100
79) 2-Chlorotoluene	12.65	91	486200	47.341	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	587772	47.919	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	72477	43.735	ug/l	97
82) 4-Chlorotoluene	12.75	91	511704	47.156	ug/l	99
83) tert-Butylbenzene	12.97	119	459072	45.347	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	582156	46.987	ug/l	100
85) sec-Butylbenzene	13.15	105	618039	45.608	ug/l	100
86) p-Isopropyltoluene	13.26	119	549703	45.992	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	293597	47.873	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	294962	47.306	ug/l	99
89) n-Butylbenzene	13.59	91	484218	43.952	ug/l	99
90) Hexachloroethane	13.85	117	99133	43.558	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	296596	49.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	48637	44.845	ug/l	97

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VSTDCCC050EC

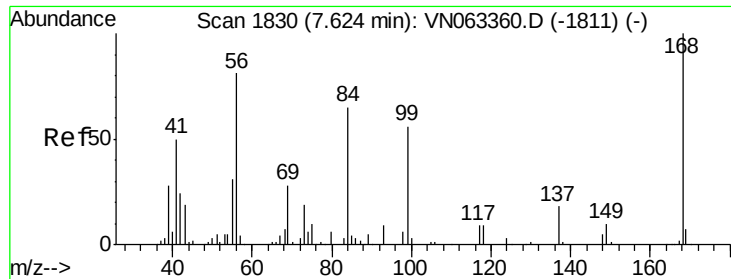
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	152723	43.025	ug/l	99
94) Hexachlorobutadiene	14.98	225	73693	50.148	ug/l	99
95) Naphthalene	15.10	128	507488	43.274	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	152271	44.398	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 238404

Ion Ratio Lower Upper

168 100

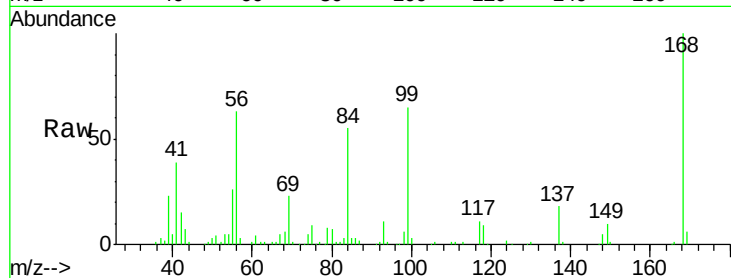
99 65.0 53.0 79.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

120000

100000

80000

60000

40000

20000

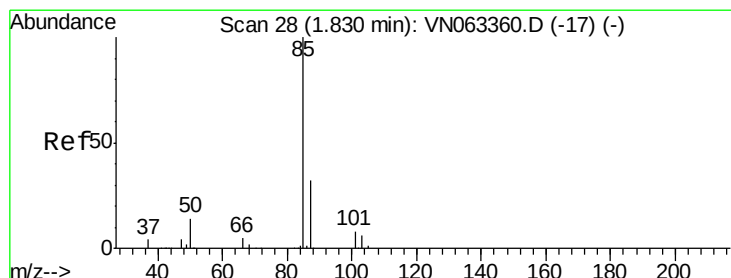
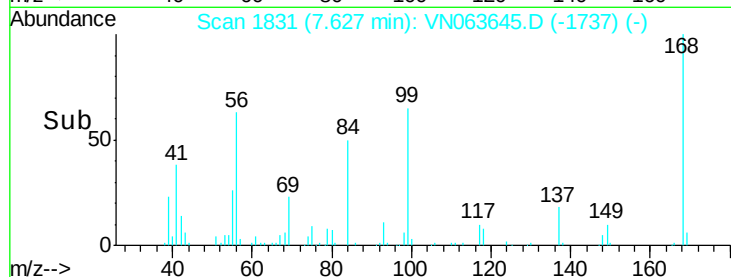
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 42.142 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063645.D

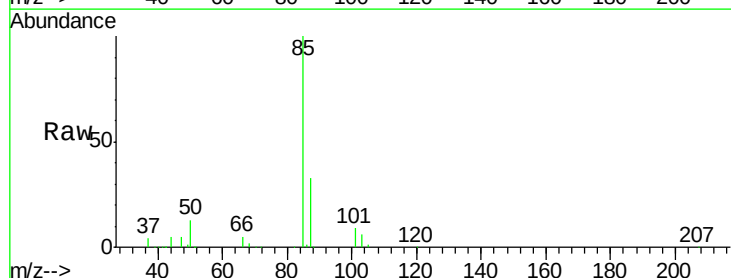
Acq: 24 Sep 2020 21:51

Tgt Ion: 85 Resp: 113822

Ion Ratio Lower Upper

85 100

87 32.8 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

100000

80000

60000

40000

20000

0

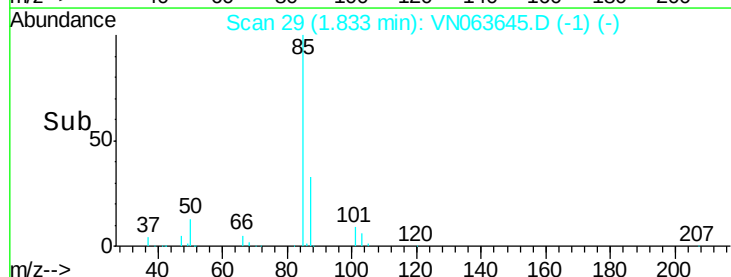
1.75

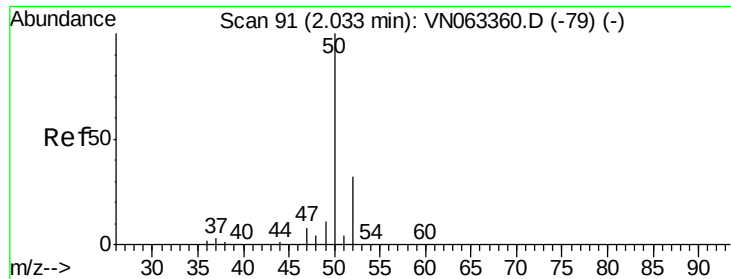
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 41.780 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 149282

Ion Ratio Lower Upper

50 100

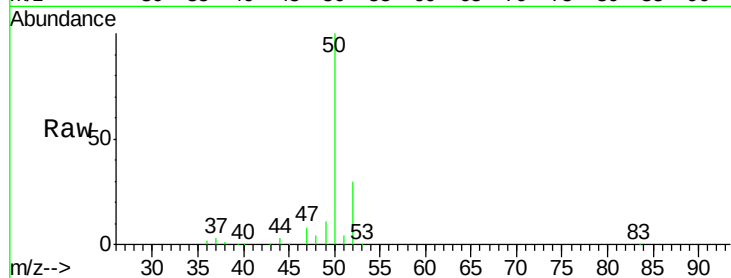
52 30.2 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

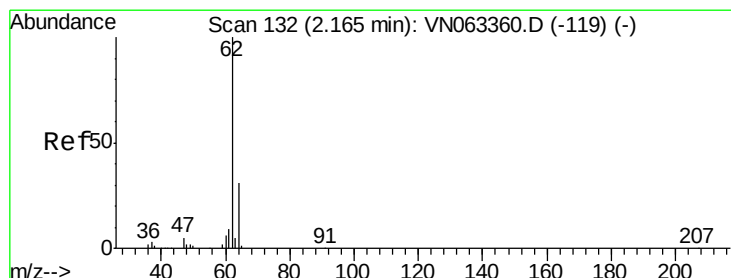
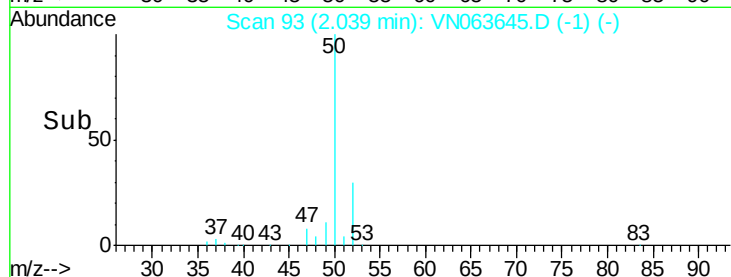
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 46.162 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063645.D

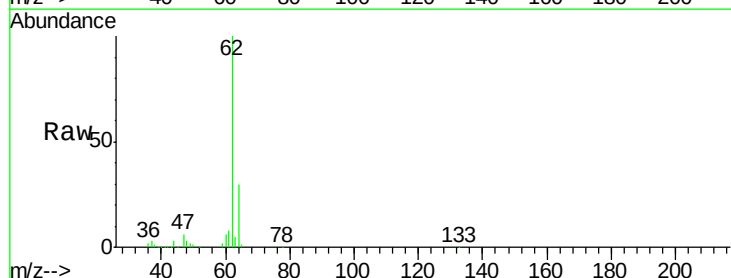
Acq: 24 Sep 2020 21:51

Tgt Ion: 62 Resp: 146130

Ion Ratio Lower Upper

62 100

64 30.0 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

100000

80000

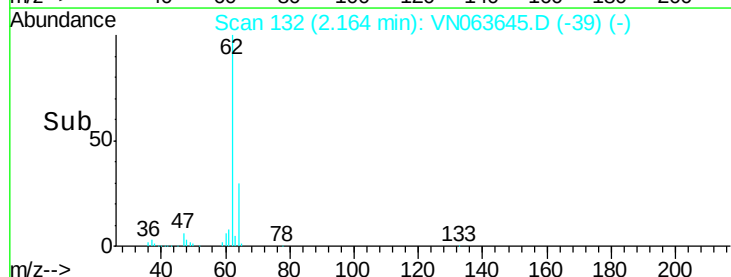
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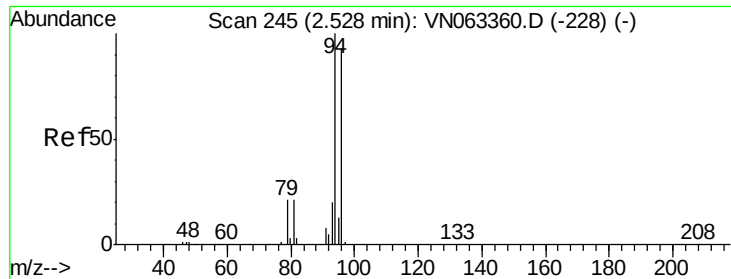
40000

20000

0

Time-->





#5

Bromomethane

Concen: 48.688 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 91512

Ion Ratio Lower Upper

94 100

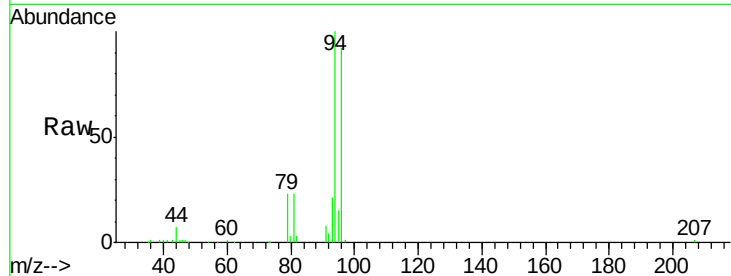
96 91.5 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.53

40000

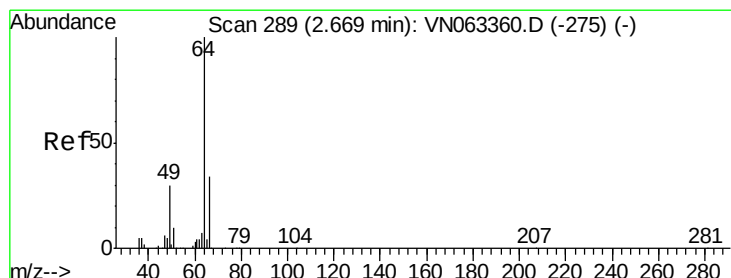
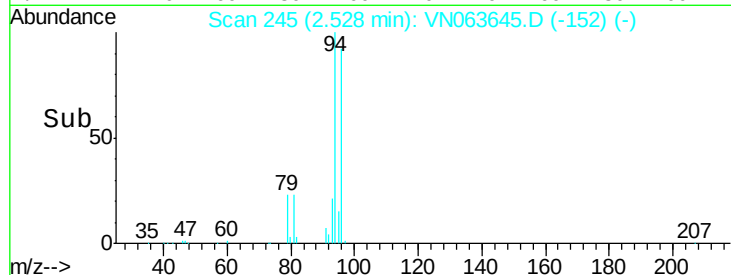
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 48.534 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063645.D

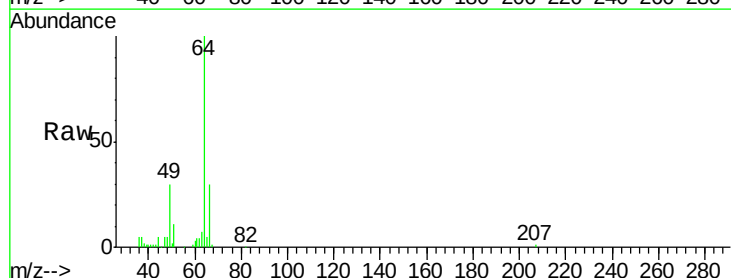
Acq: 24 Sep 2020 21:51

Tgt Ion: 64 Resp: 94310

Ion Ratio Lower Upper

64 100

66 30.1 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

40000

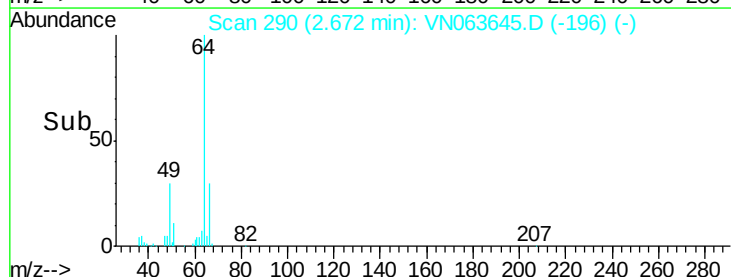
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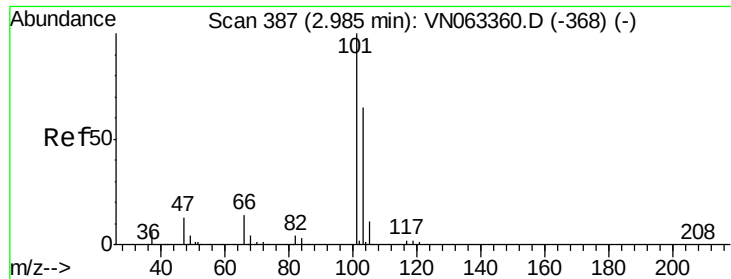
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10000

0

Time-->





#7

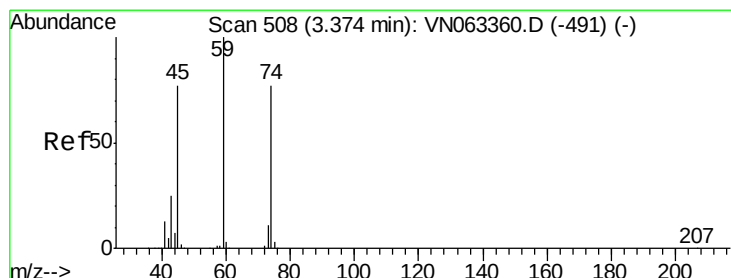
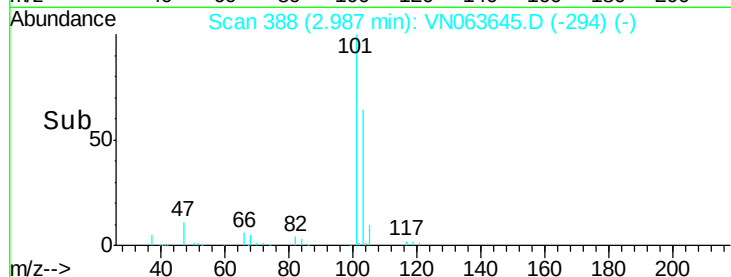
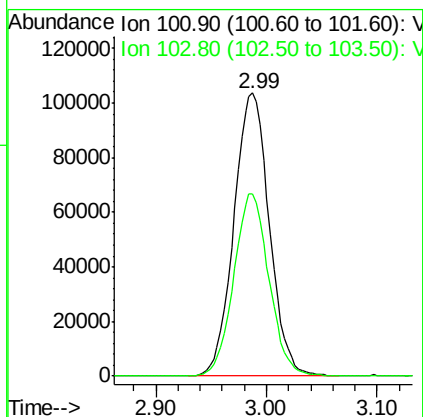
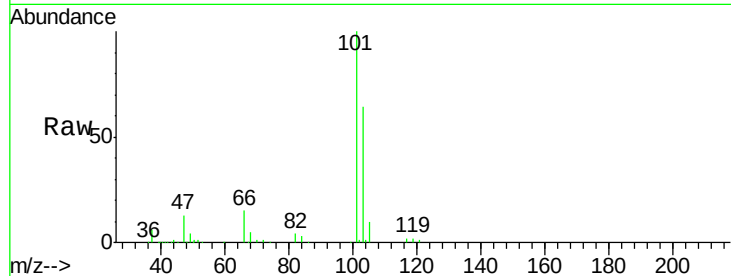
Trichlorofluoromethane
 Concen: 48.850 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.3	78.5

Manual Integrations
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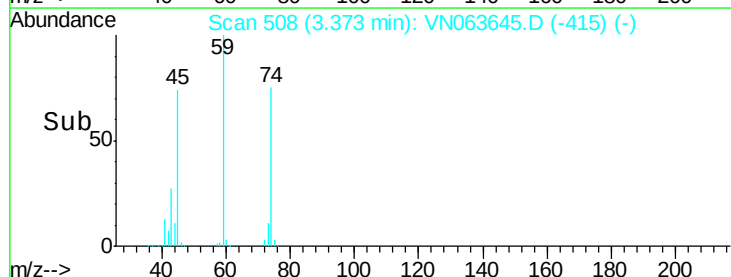
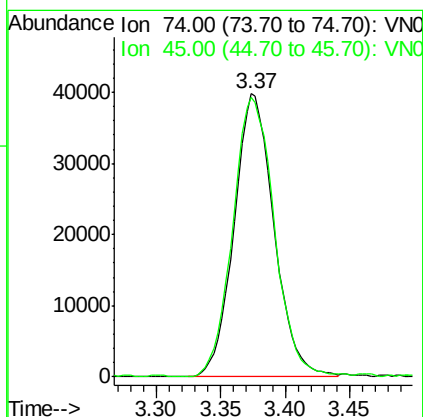
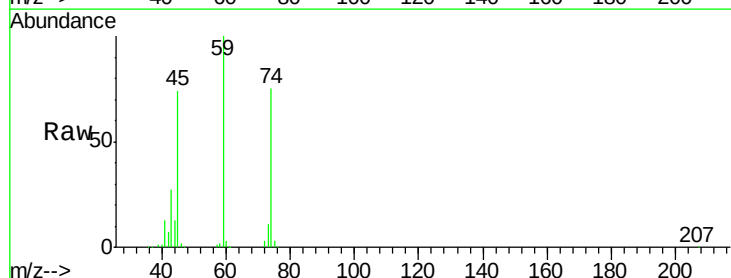
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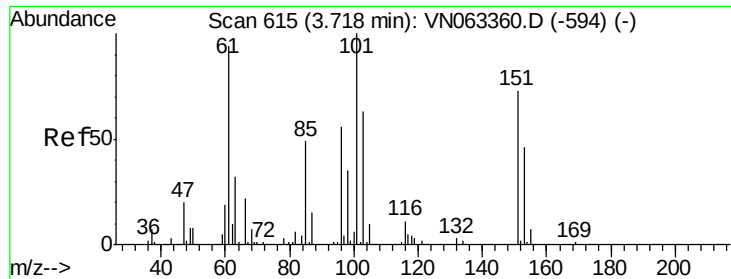


#8

Diethyl Ether
 Concen: 46.619 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.557 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

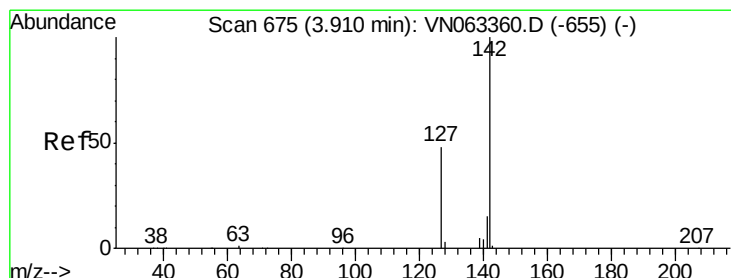
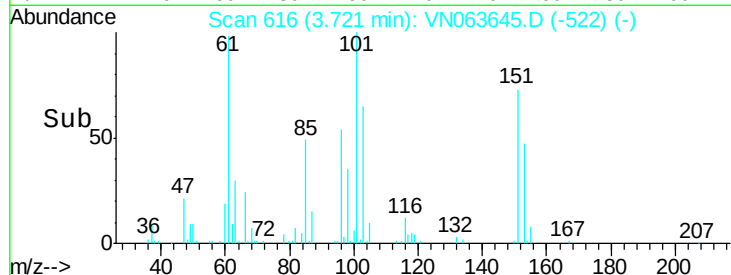
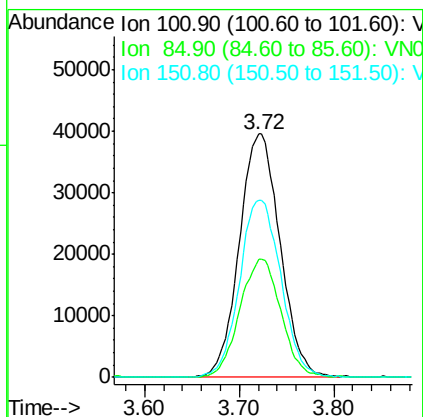
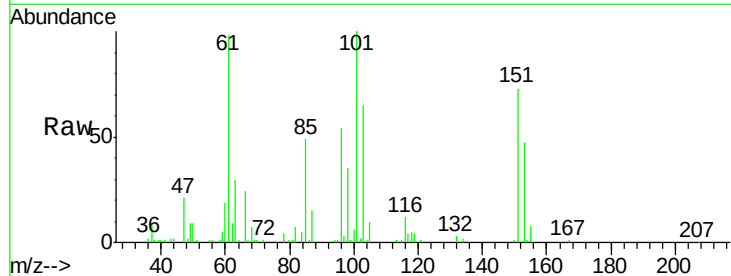
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	118350
Ion Ratio	Lower	Upper	
101	100		
85	49.0	37.7	56.5
151	73.9	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 46.338 ug/l

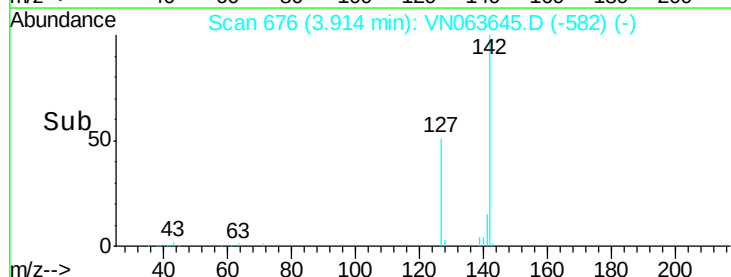
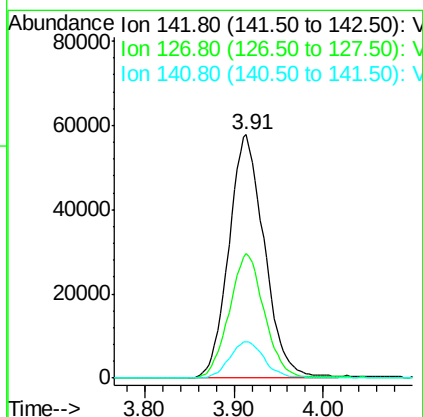
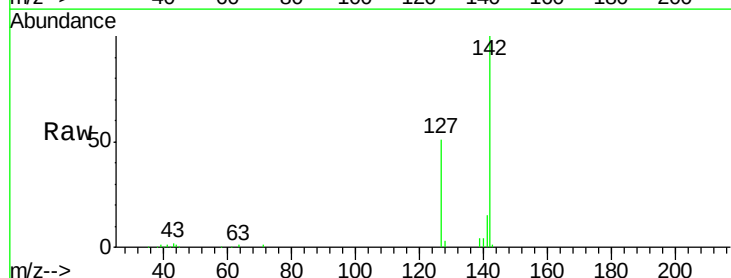
RT: 3.91 min Scan# 676

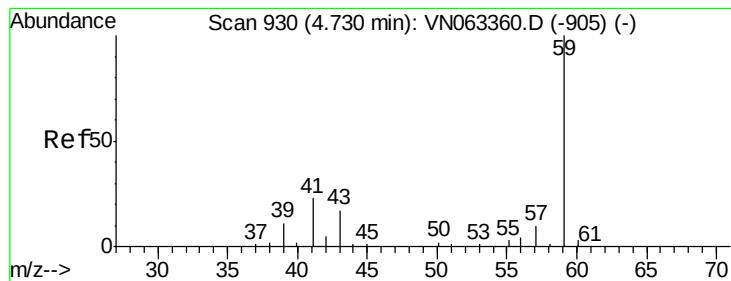
Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion:	142	Resp:	160242
Ion Ratio	Lower	Upper	
142	100		
127	50.4	39.0	58.6
141	14.6	11.6	17.4





#11

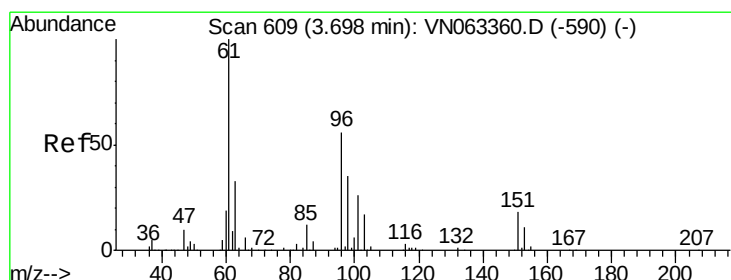
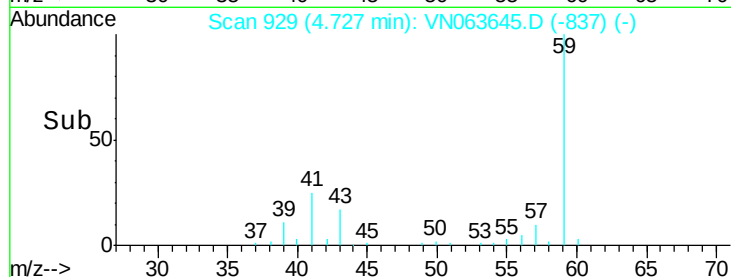
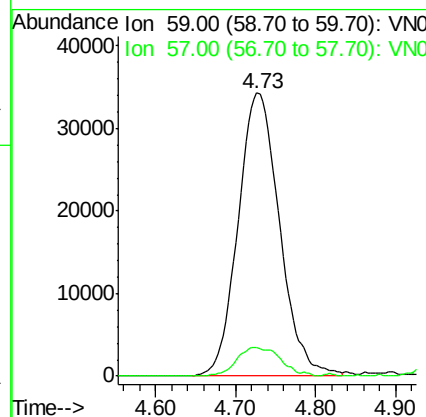
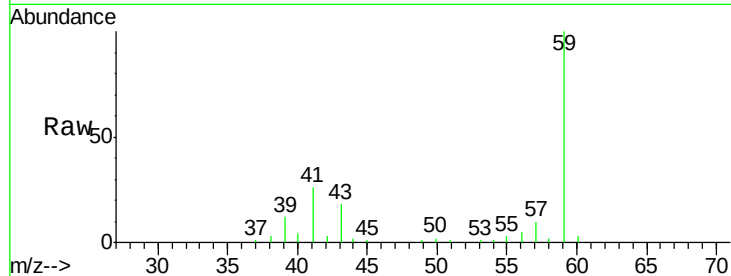
Tert butyl alcohol
 Concen: 214.929 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	120836		
57	10.9		8.4	12.6

Manual Integrations
 APPROVED

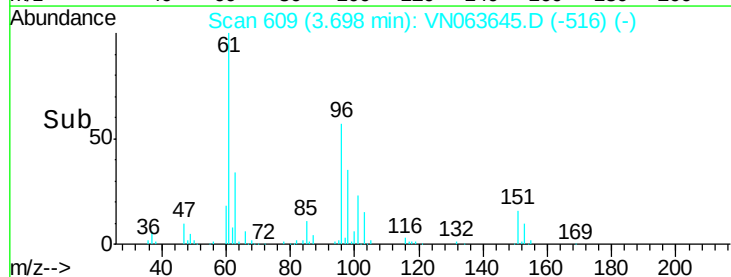
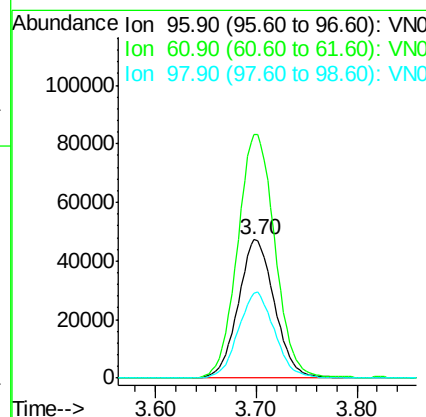
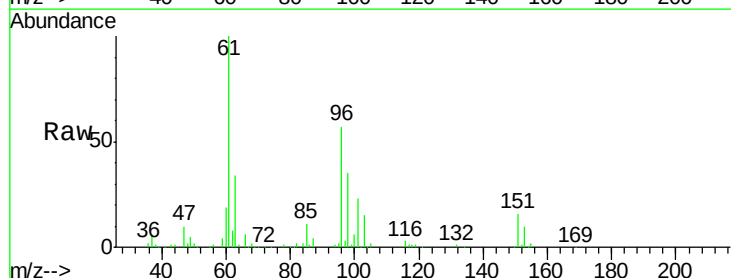
MMDadoda
 9/28/2020 5:17:18 PM

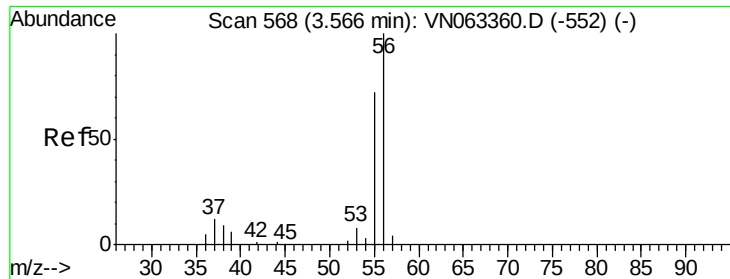


#12

1,1-Dichloroethene
 Concen: 43.938 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	118209		
61	176.1		143.4	215.2
98	61.7		50.6	76.0





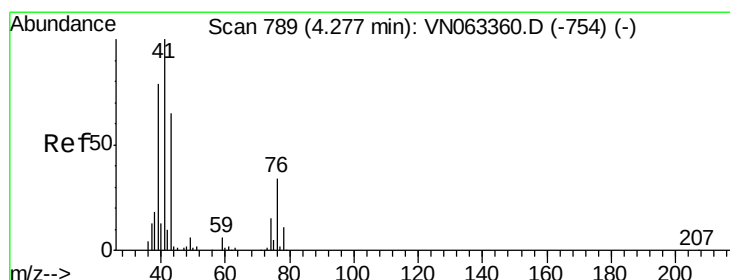
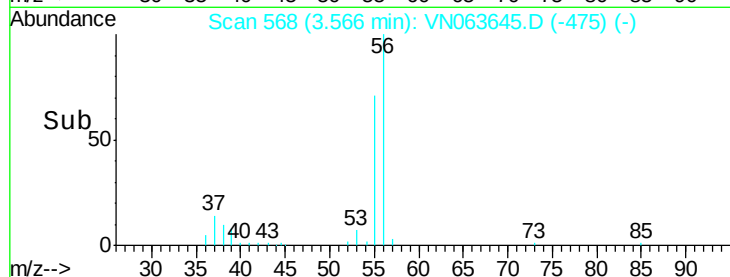
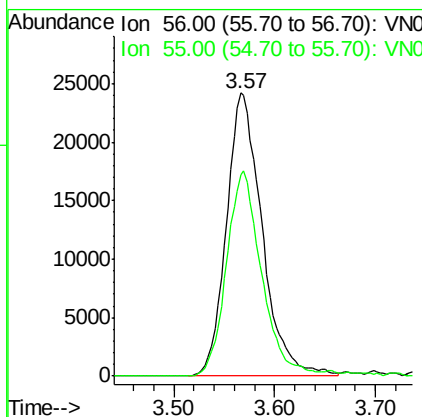
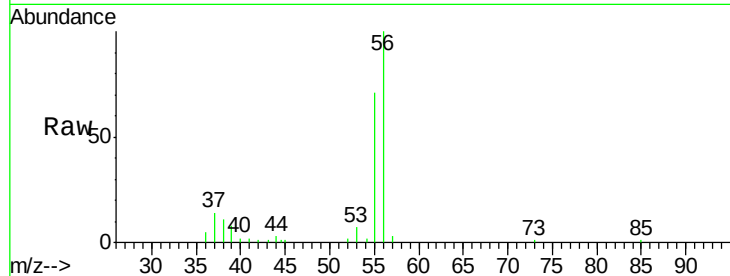
#13
Acrolein
Concen: 286.155 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.0	58.2	87.2

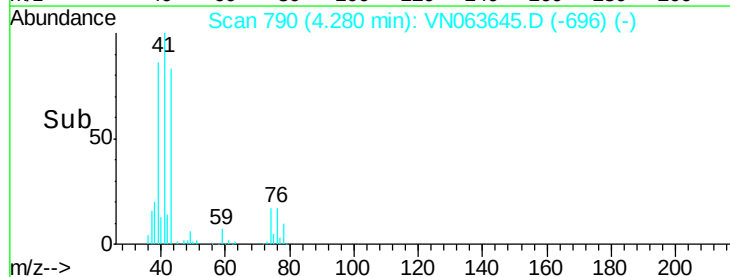
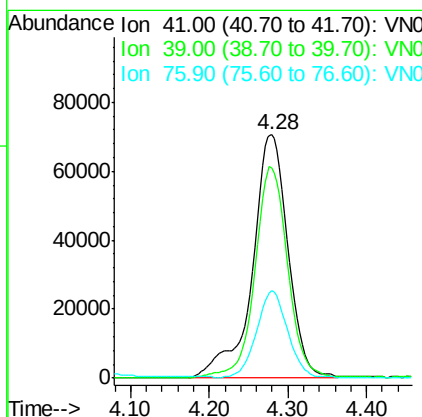
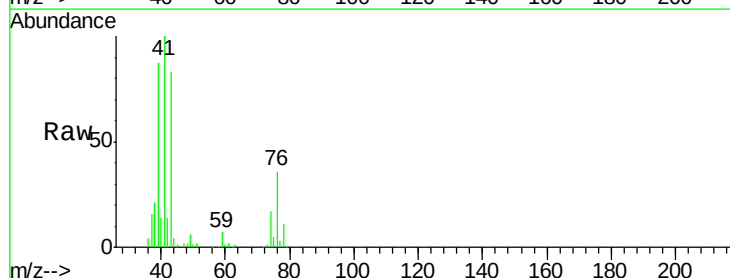
Manual Integrations
APPROVED

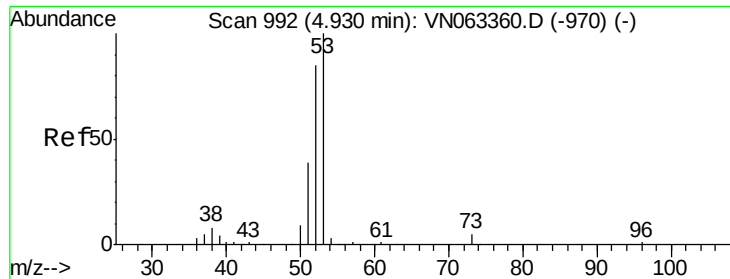
MMDadoda
9/28/2020 5:17:18 PM



#14
Allyl chloride
Concen: 42.708 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.4	59.3	88.9
76	30.7	25.3	37.9





#15

Acrylonitrile

Concen: 241.105 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

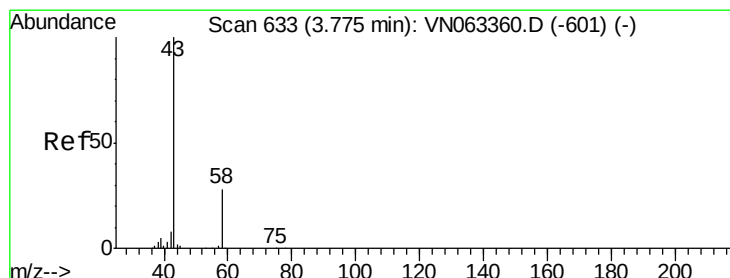
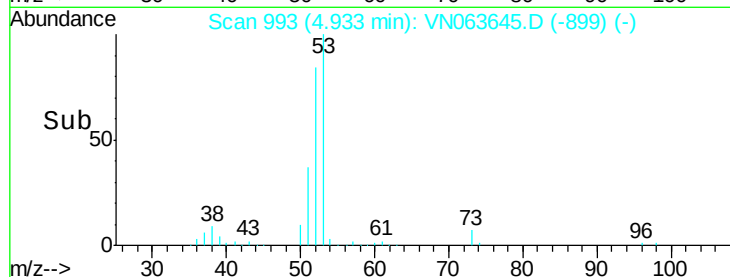
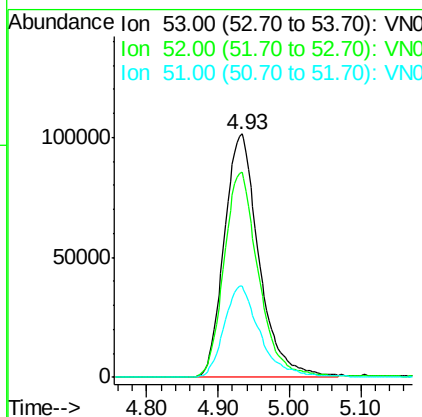
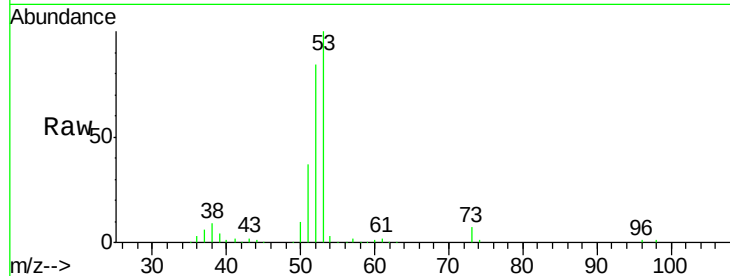
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	344800
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.4	99.6
51	38.7	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 237.228 ug/l

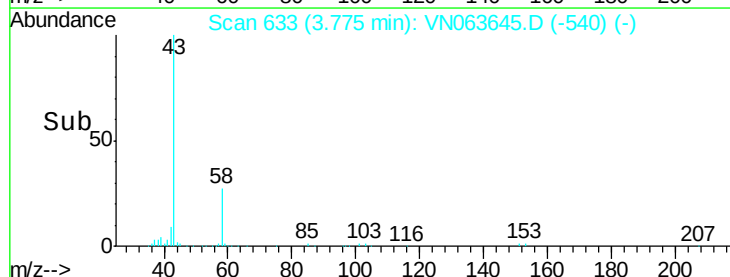
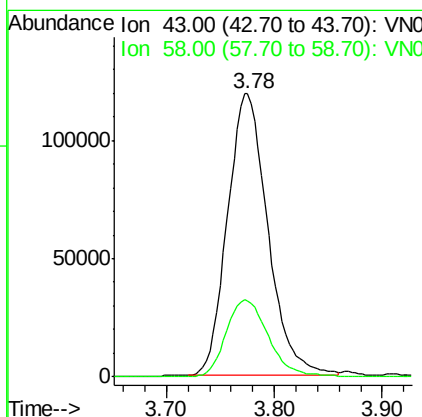
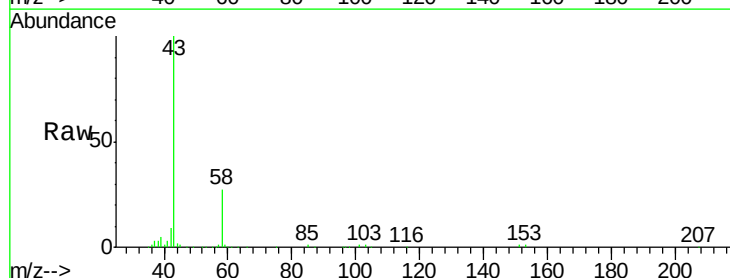
RT: 3.78 min Scan# 633

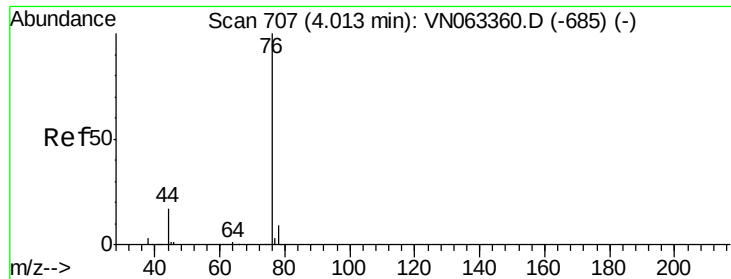
Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion:	43	Resp:	309407
Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.3	33.5





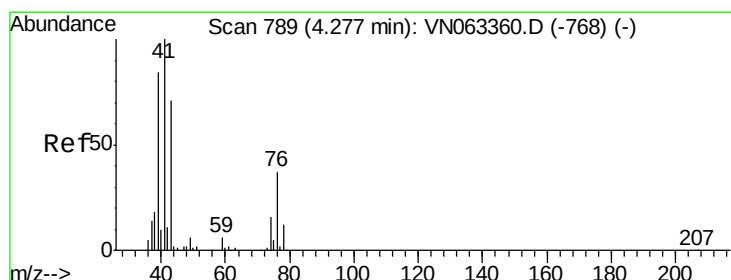
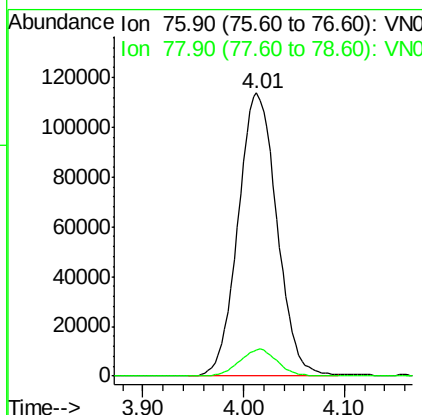
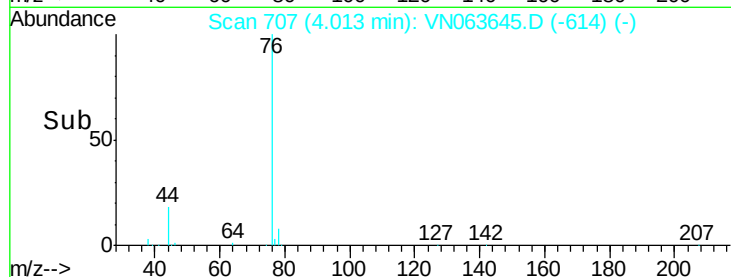
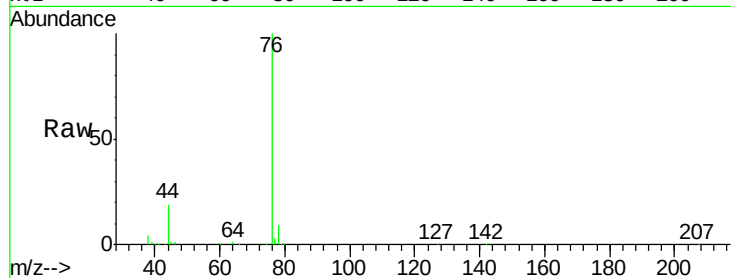
#17
Carbon Disulfide
Concen: 38.781 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

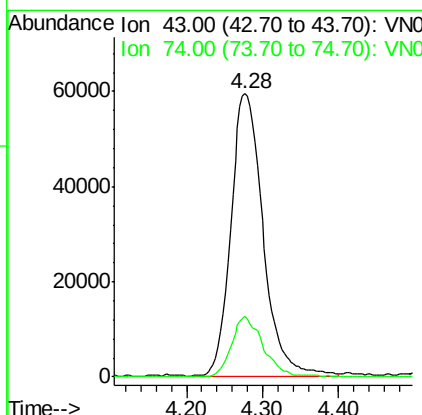
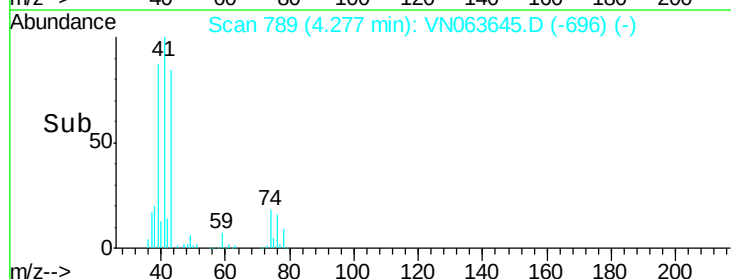
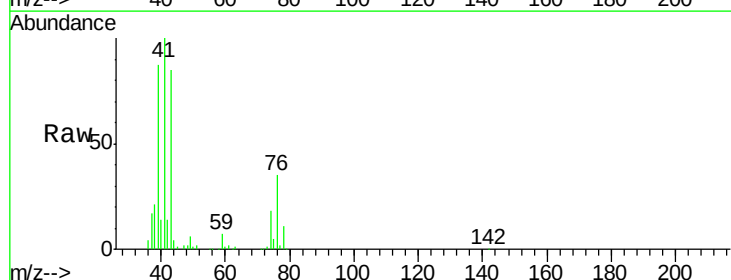
Manual Integrations
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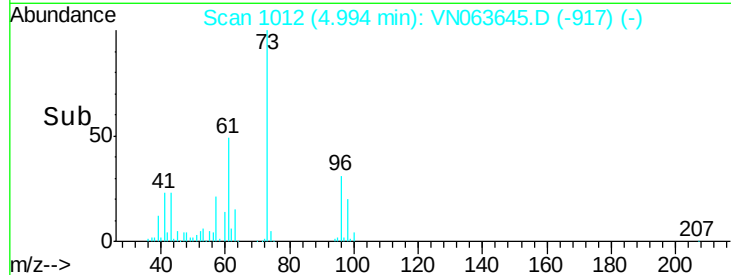
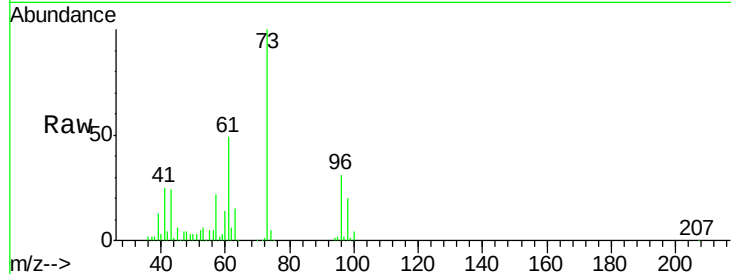
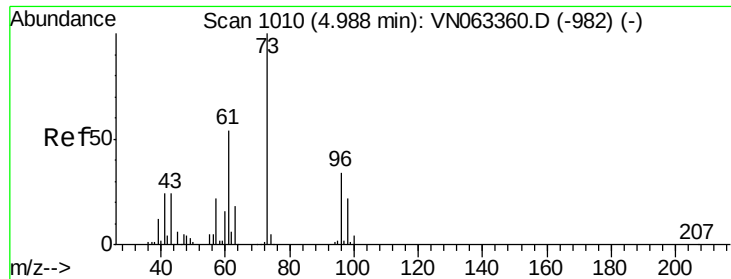
MMDadoda
9/28/2020 5:17:18 PM



#18
Methyl Acetate
Concen: 52.752 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	17.4	26.2





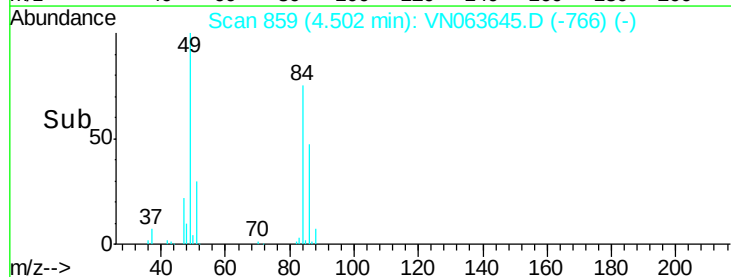
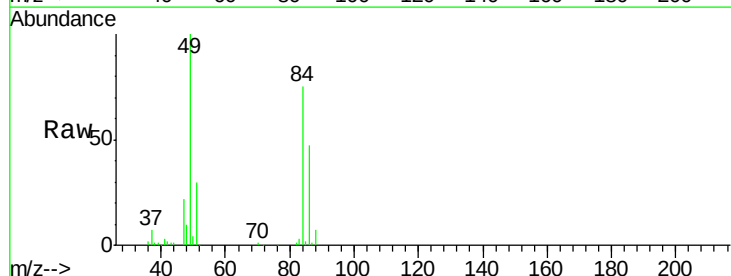
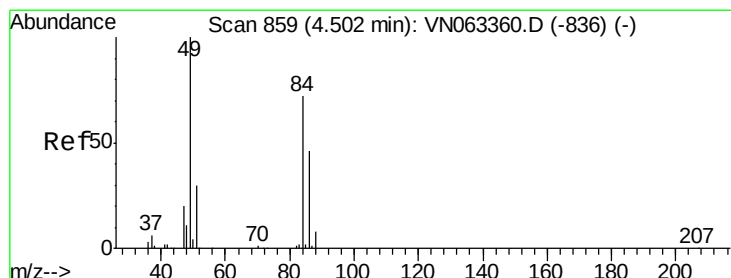
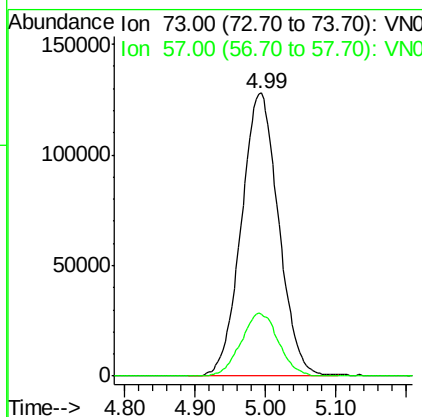
#19
Methyl tert-butyl Ether
Concen: 47.009 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.9	26.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

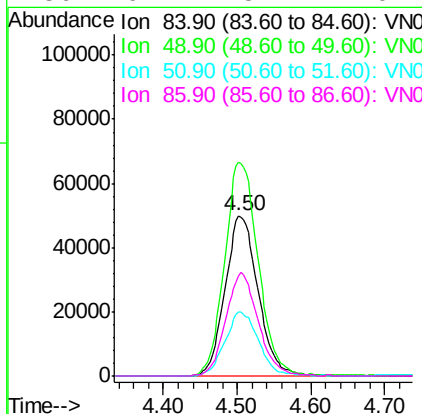
Manual Integrations
APPROVED

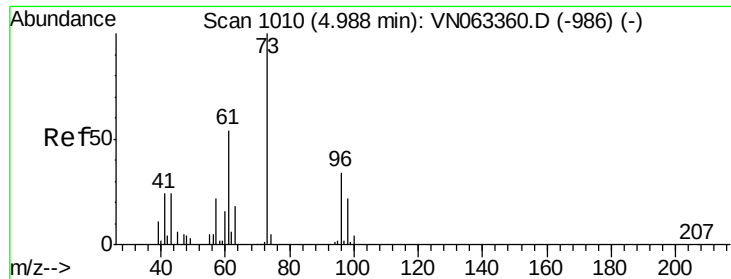
MMDadoda
9/28/2020 5:17:18 PM



#20
Methylene Chloride
Concen: 47.048 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.5	110.7	166.1
51	40.2	32.9	49.3
86	62.1	51.1	76.7





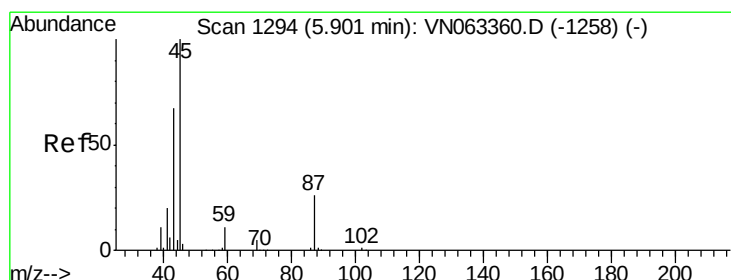
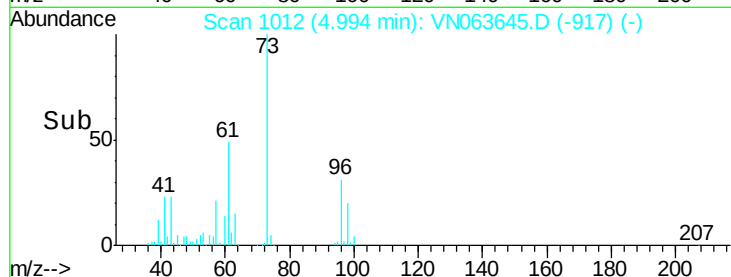
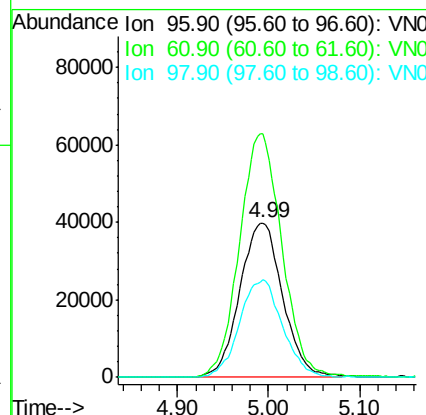
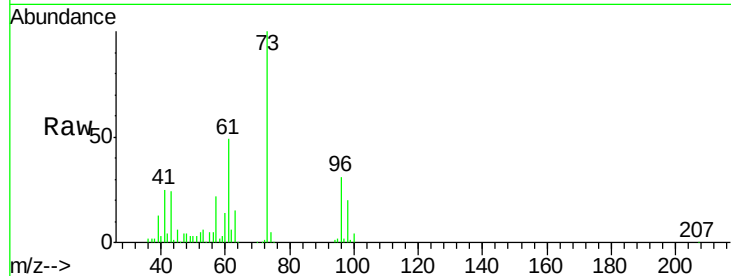
#21
trans-1,2-Dichloroethene
Concen: 43.666 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.9	126.2	189.4
98	63.4	51.0	76.4

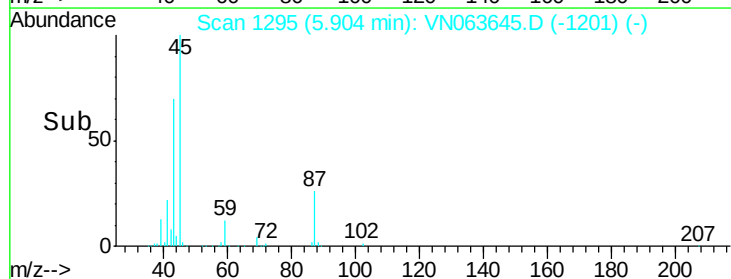
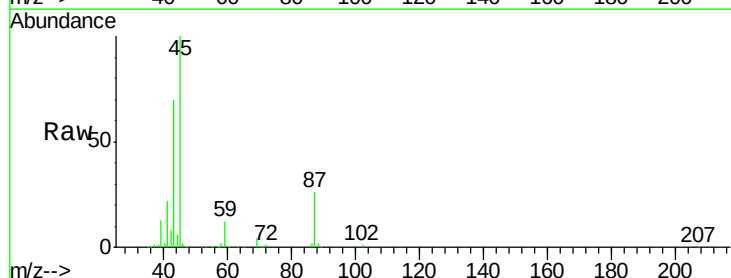
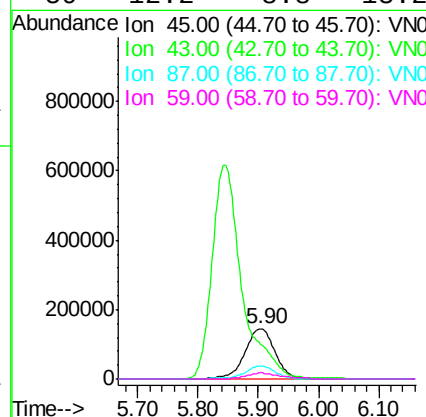
Manual Integrations
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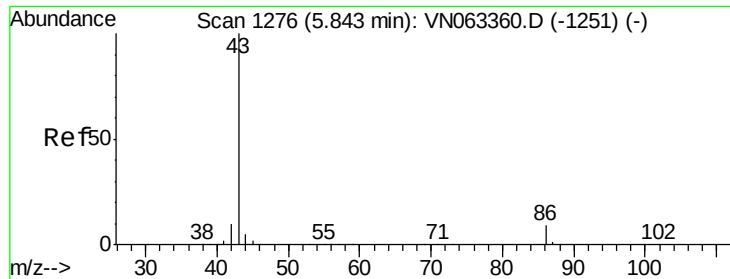
MMDadoda
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#22
Diisopropyl ether
Concen: 46.725 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.5	53.5	80.3
87	26.3	21.2	31.8
59	12.2	8.8	13.2





#23

Vinyl Acetate

Concen: 236.209 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 2105440

Ion Ratio Lower Upper

43 100

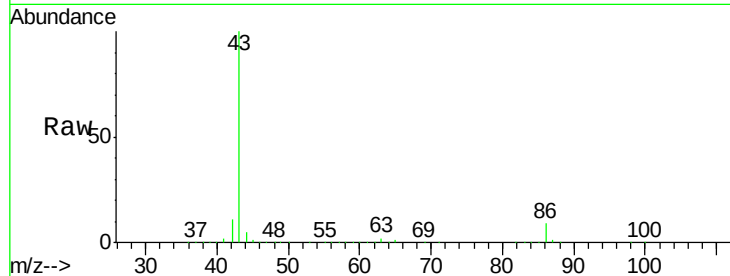
86 8.8 7.1 10.7

Manual Integrations

APPROVED

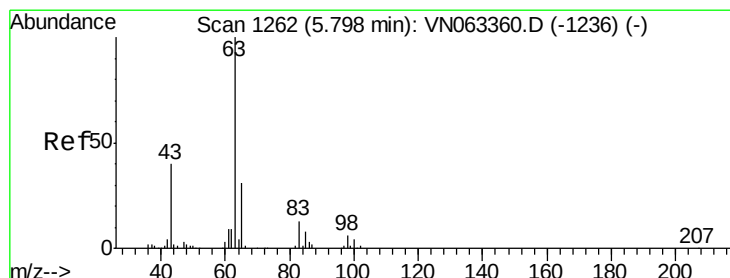
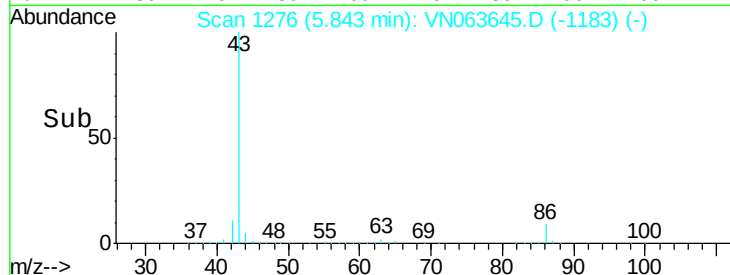
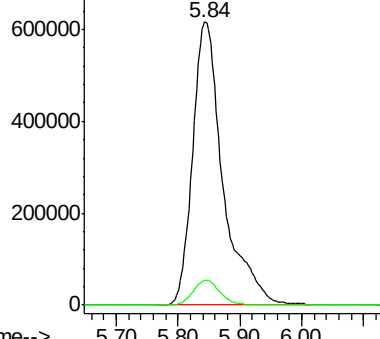
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 46.170 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

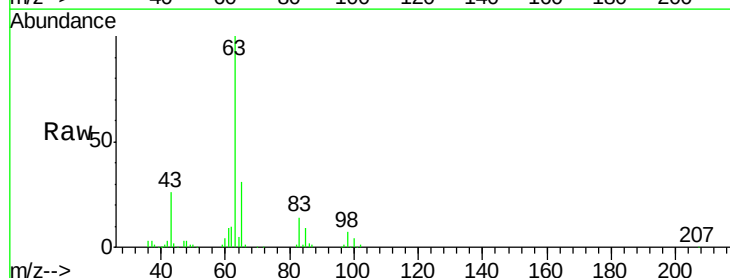
Tgt Ion: 63 Resp: 273577

Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

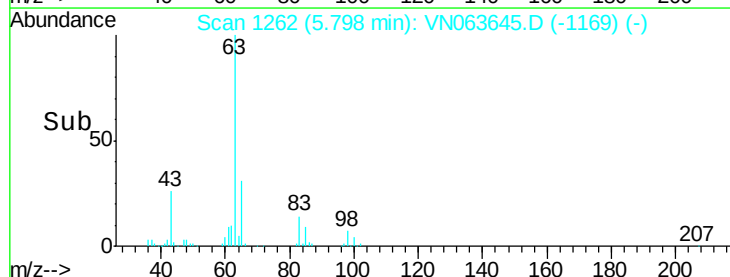
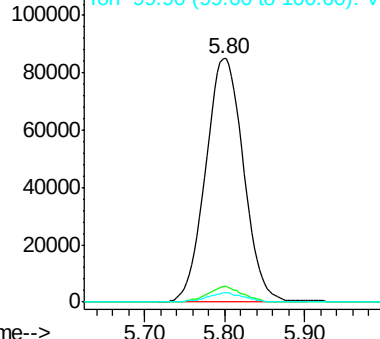
100 3.8 2.1 6.3

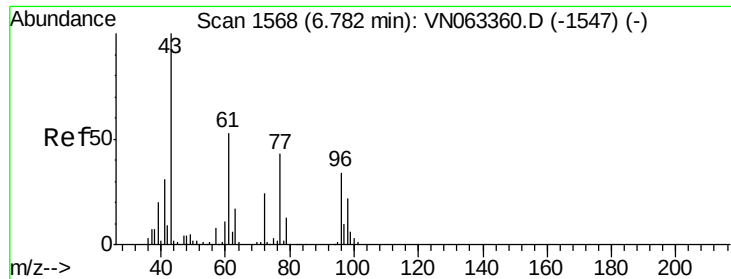


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 243.946 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 489336

Ion Ratio Lower Upper

43 100

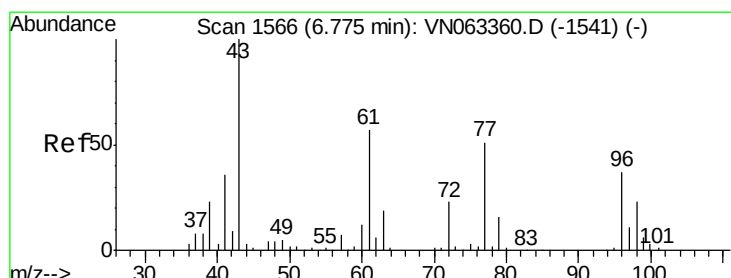
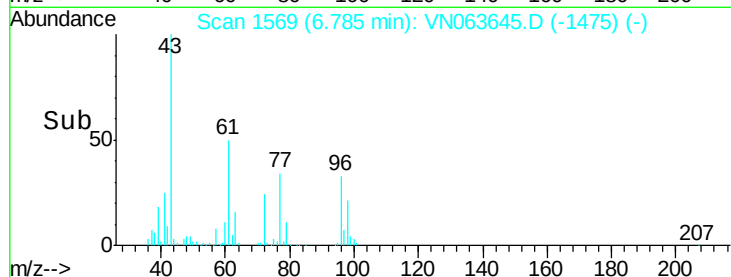
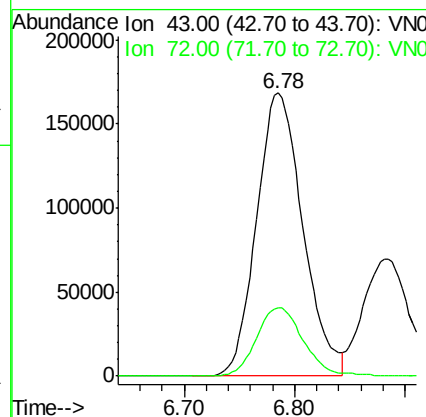
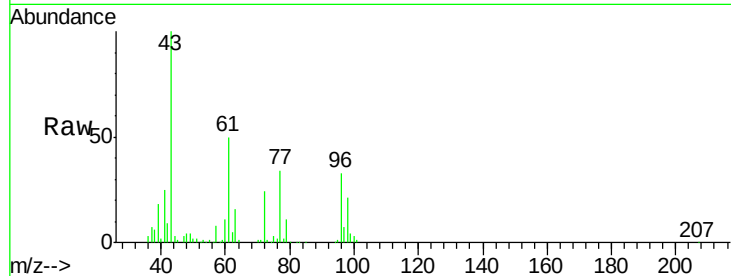
72 24.2 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 36.726 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063645.D

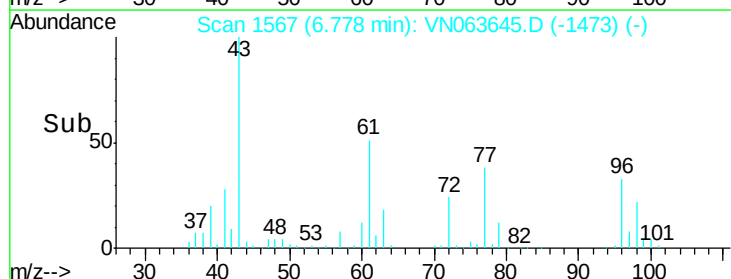
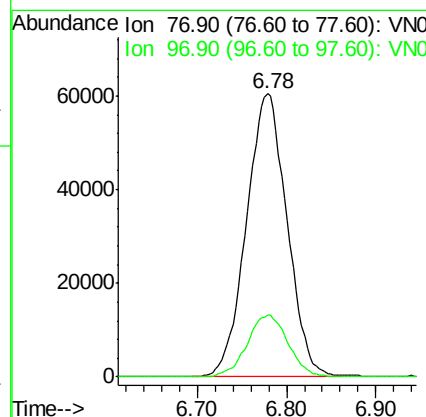
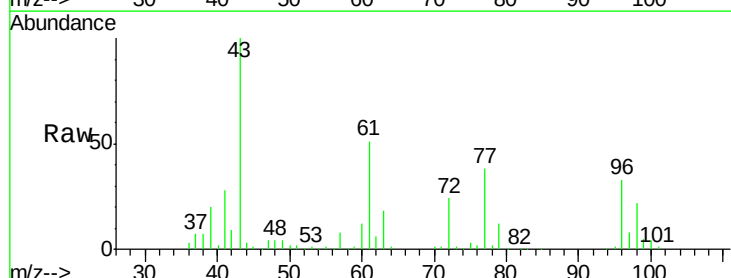
Acq: 24 Sep 2020 21:51

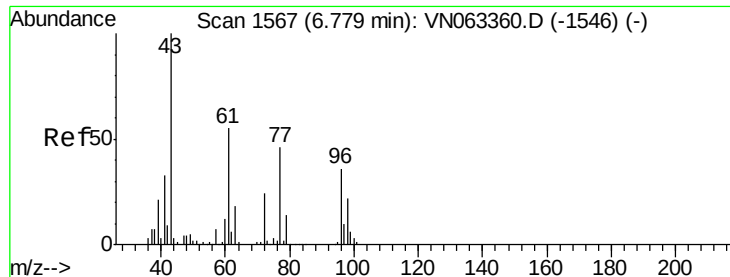
Tgt Ion: 77 Resp: 191598

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 46.457 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

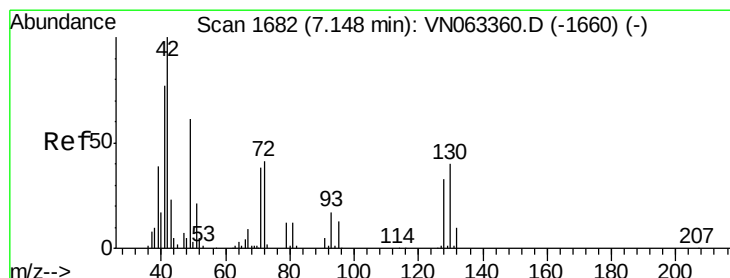
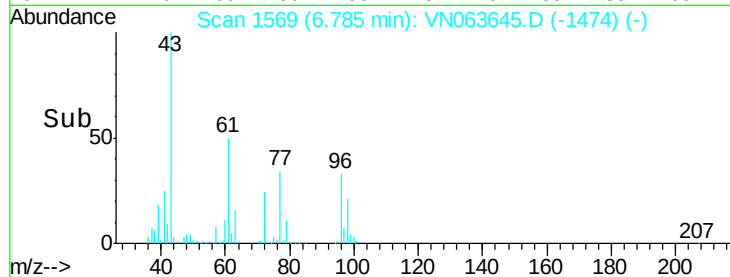
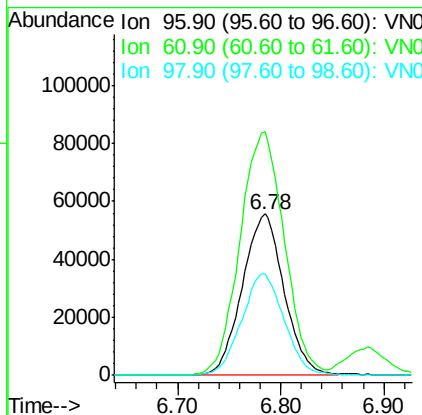
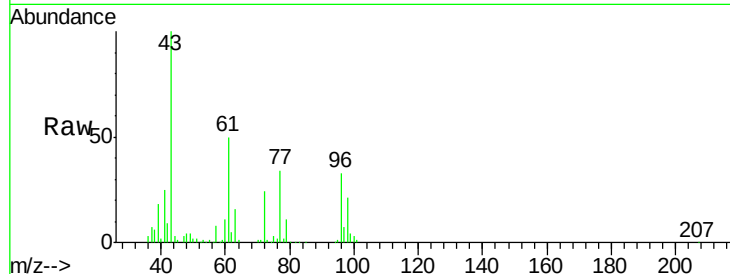
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	156736
Ion	Ratio	Lower	Upper
96	100		
61	160.4	0.0	319.6
98	64.3	0.0	127.8

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#28

Bromochloromethane

Concen: 48.995 ug/l

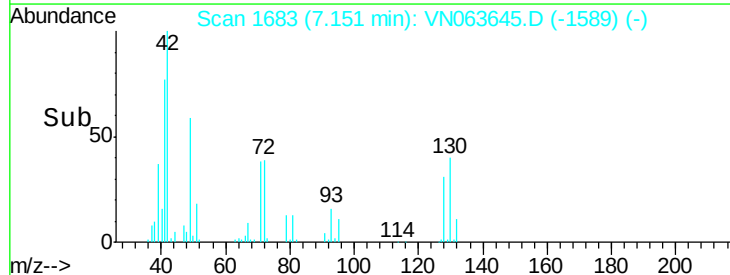
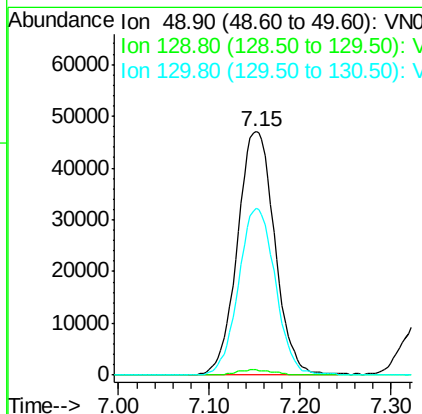
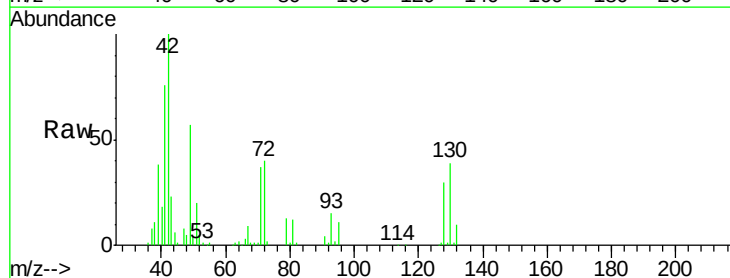
RT: 7.15 min Scan# 1683

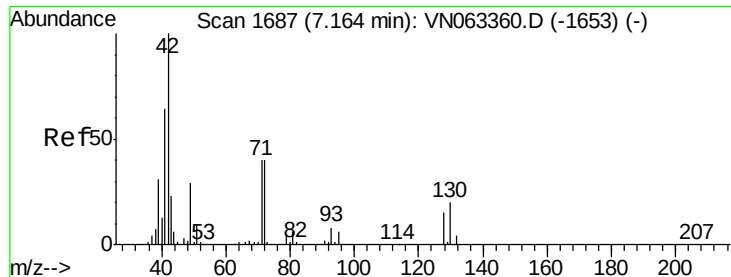
Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion:	49	Resp:	134047
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	67.6	52.2	78.2





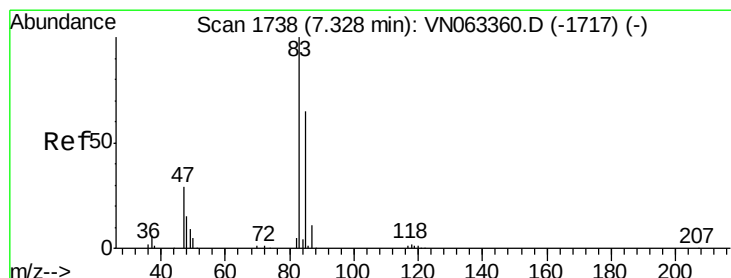
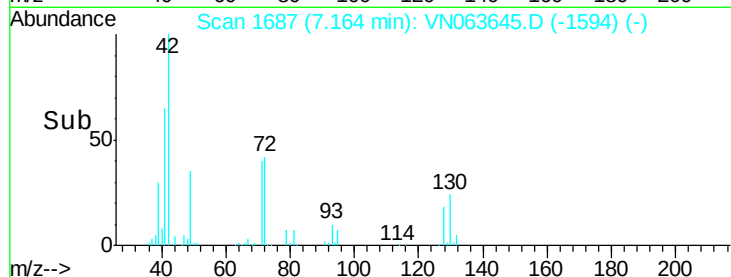
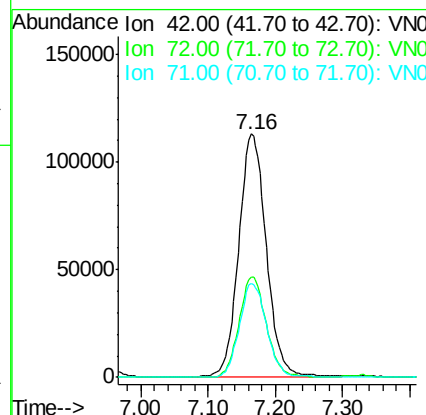
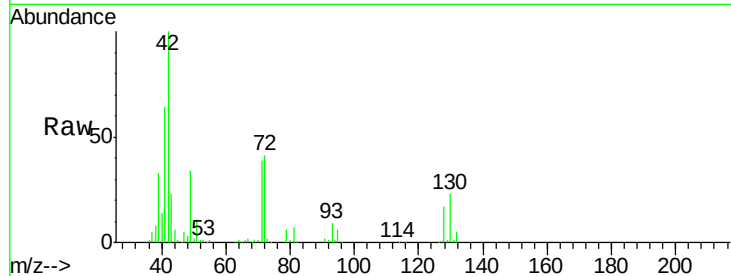
#29
Tetrahydrofuran
Concen: 234.037 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.1	48.1
71	37.9	31.2	46.8

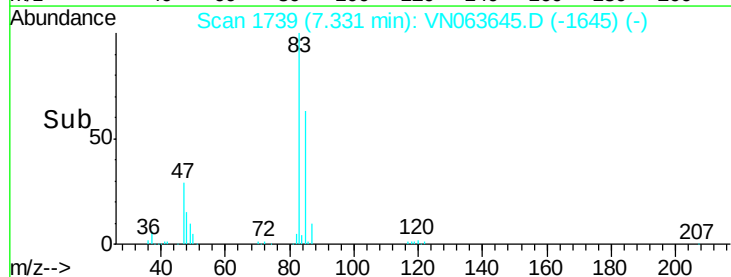
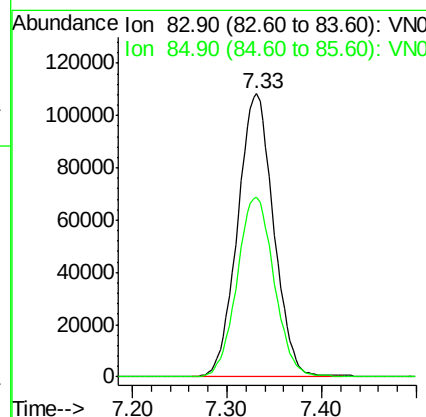
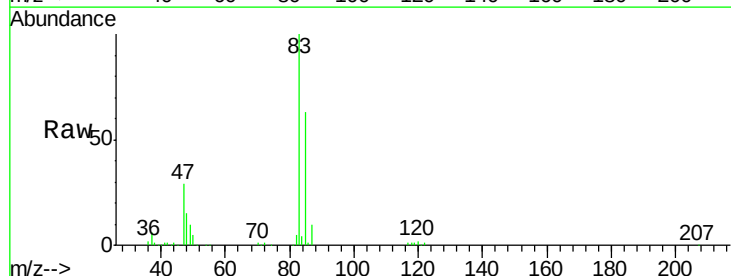
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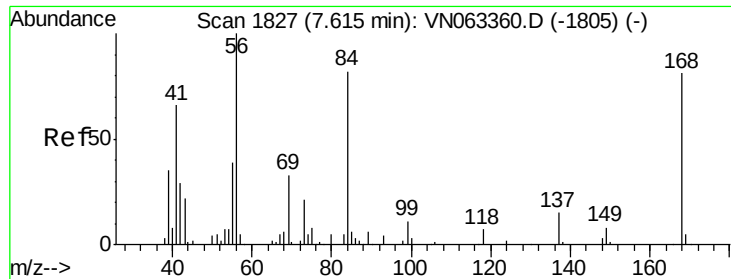
MMDadoda
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#30
Chloroform
Concen: 48.167 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.1	78.1





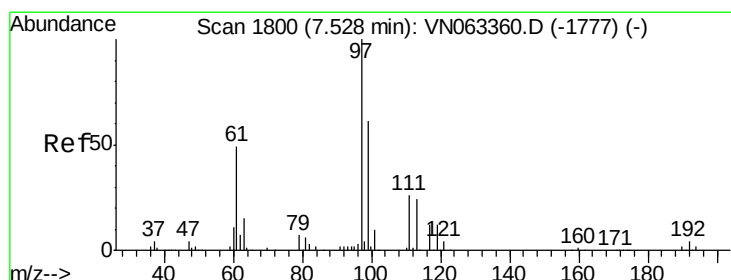
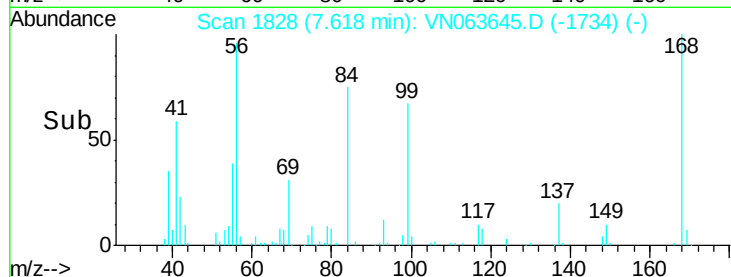
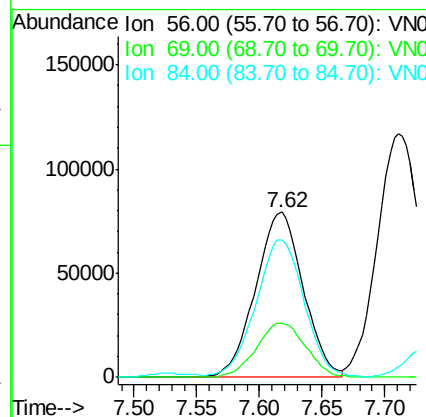
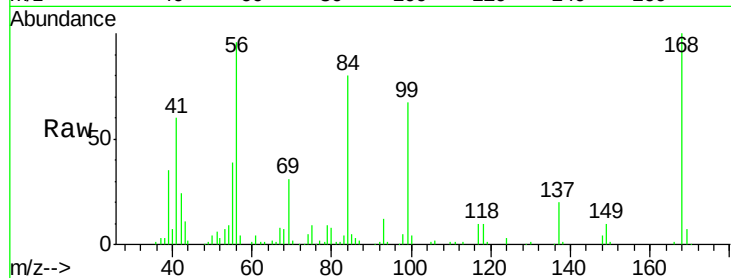
#31
Cyclohexane
Concen: 37.420 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
56	100	209736		
69	32.7		26.1	39.1
84	81.6		65.4	98.2

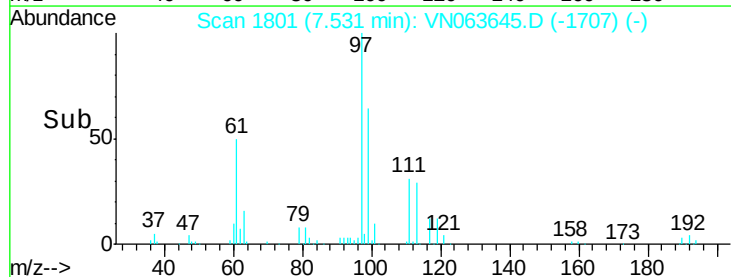
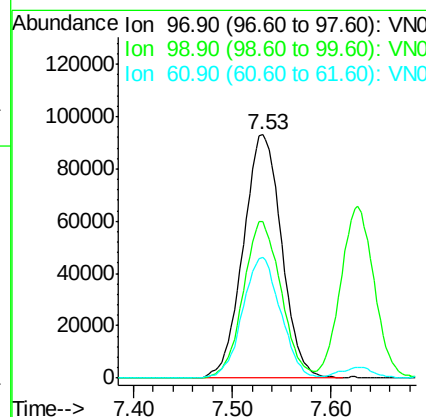
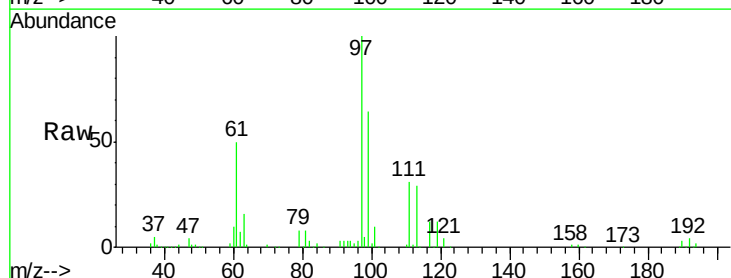
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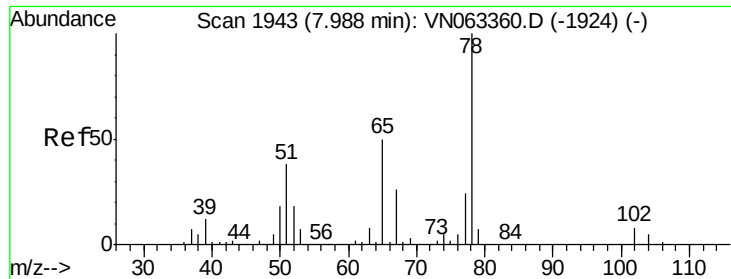
MMDadoda
9/28/2020 5:17:18 PM



#32
1,1,1-Trichloroethane
Concen: 47.458 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	250939		
99	63.2		50.6	76.0
61	49.1		39.2	58.8





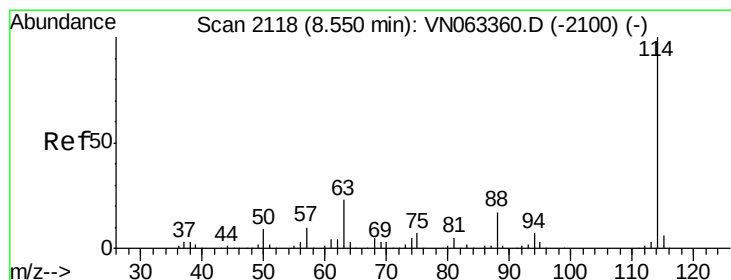
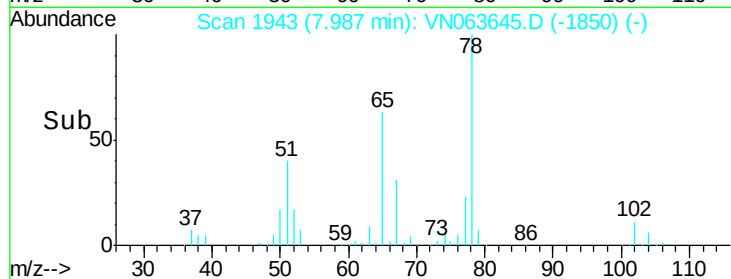
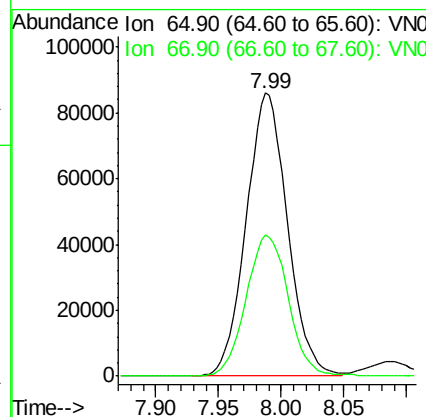
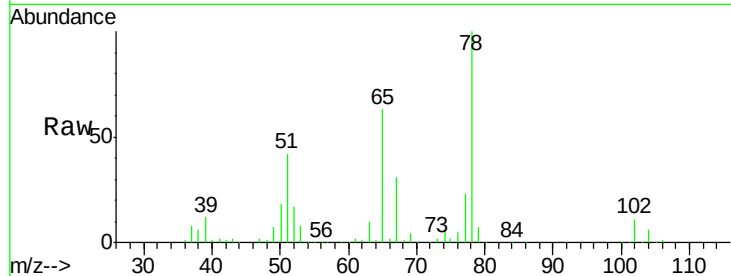
#33
 1,2-Dichloroethane-d4
 Concen: 48.580 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	197150		
67	51.0	0.0	104.2	

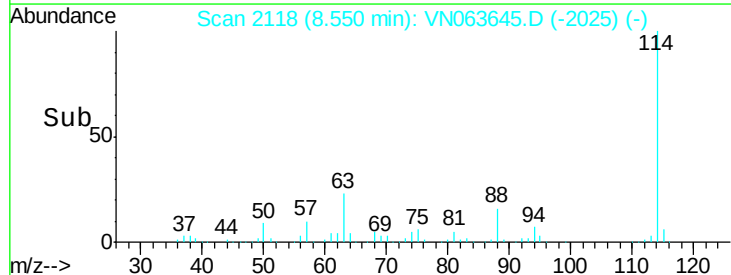
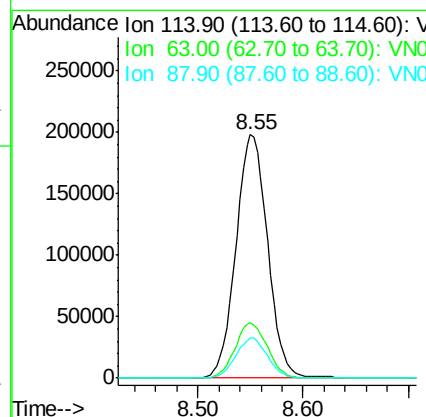
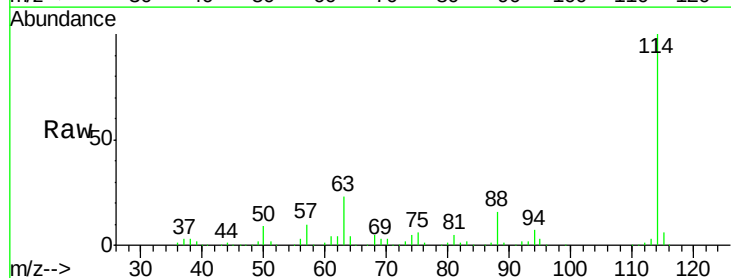
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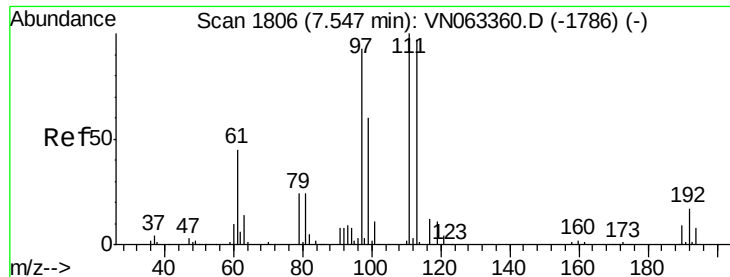
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	412089		
63	22.7	0.0	46.4	
88	16.3	0.0	33.2	





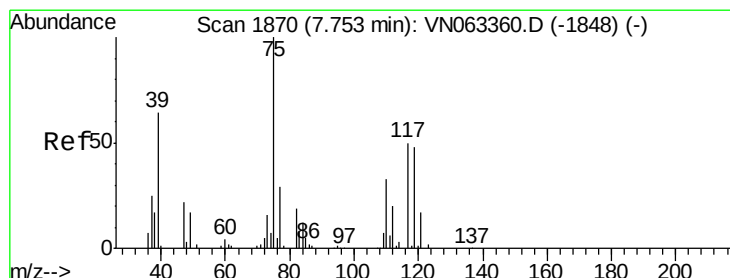
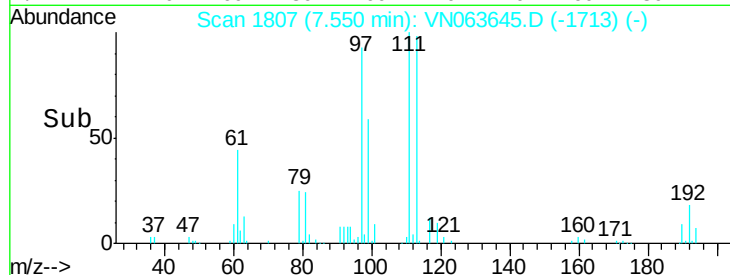
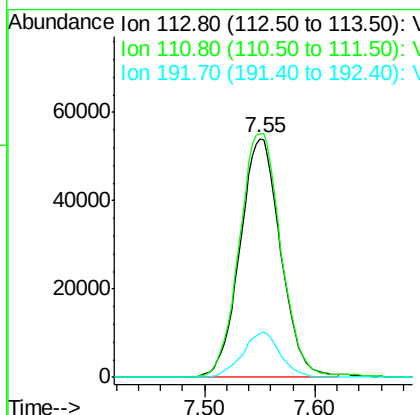
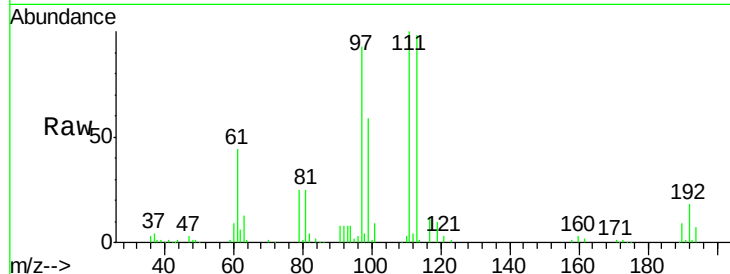
#35
 Dibromofluoromethane
 Concen: 48.401 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138079		
111	104.3	82.9	124.3	
192	17.5	13.9	20.9	

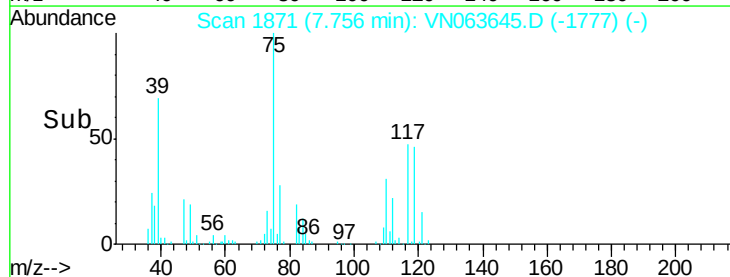
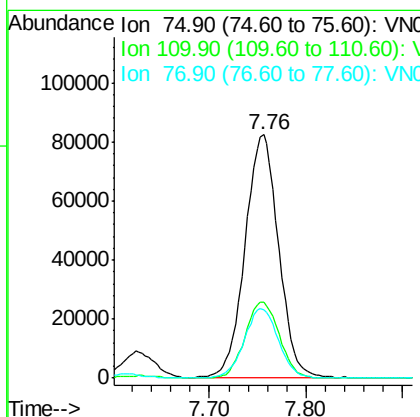
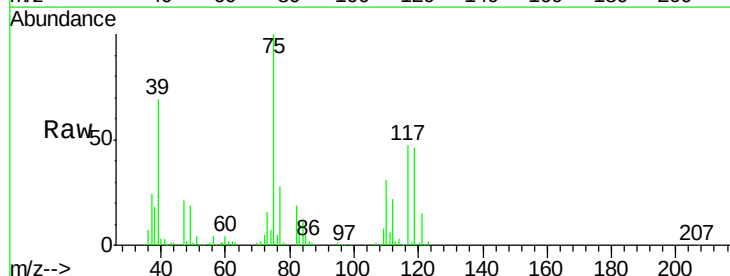
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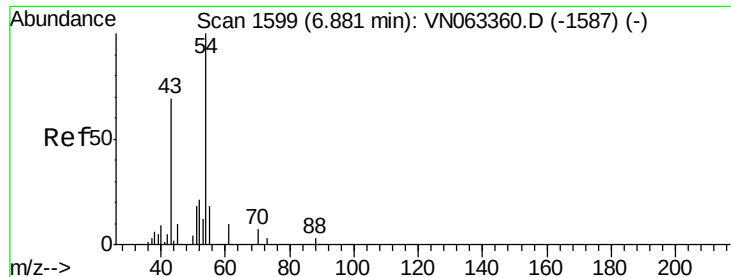
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 9/28/2020 5:17:18 PM



#36
 1,1-Dichloropropene
 Concen: 44.979 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	197470		
110	32.0	16.5	49.5	
77	29.4	24.6	36.8	





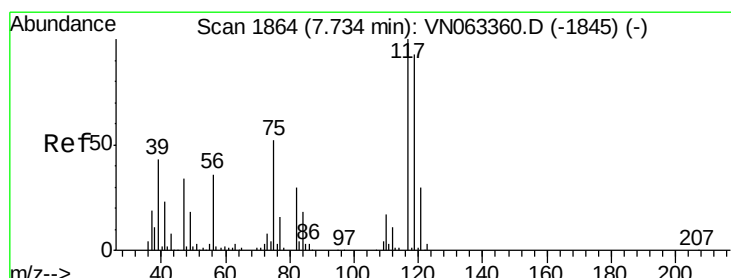
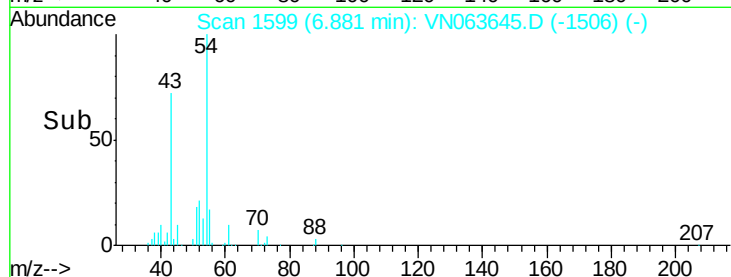
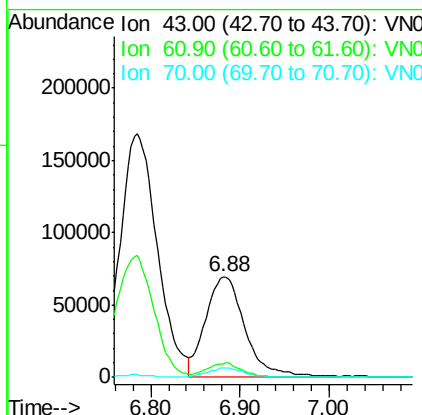
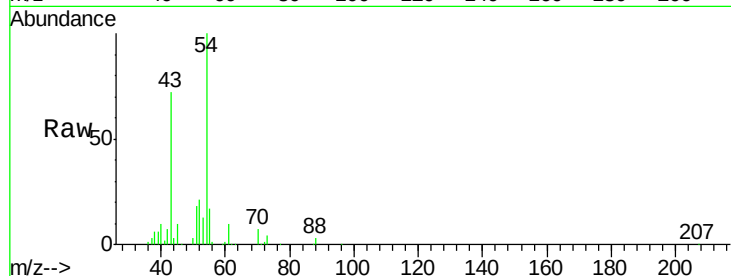
#37
Ethyl Acetate
Concen: 48.627 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.6	15.8
70	8.9	7.2	10.8

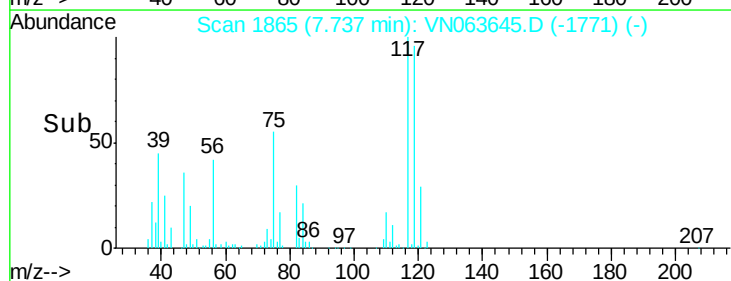
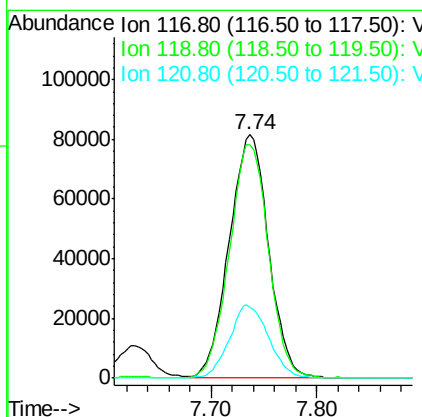
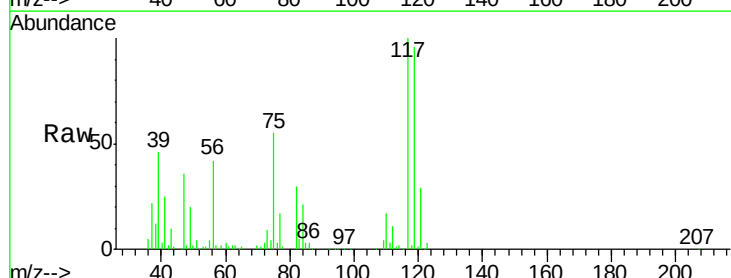
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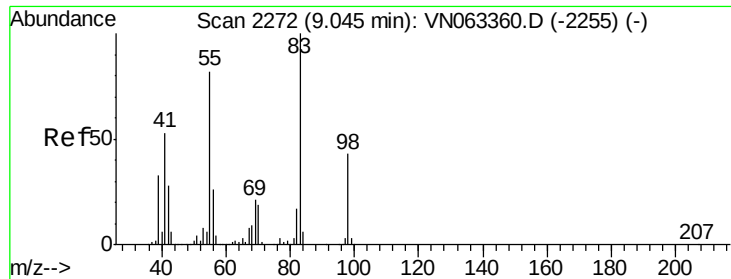
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#38
Carbon Tetrachloride
Concen: 47.039 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.5	111.7
121	29.2	24.1	36.1





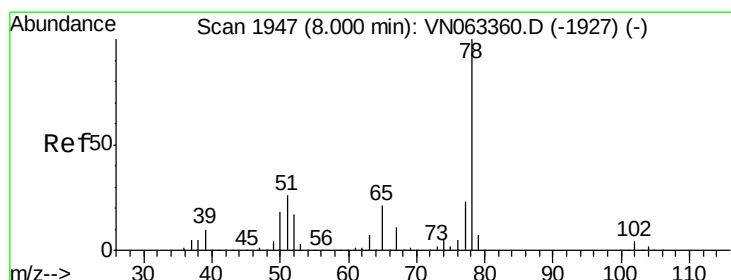
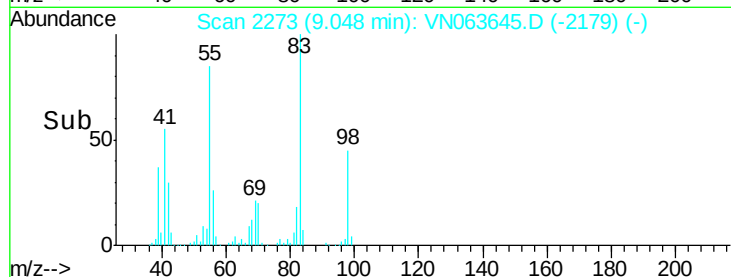
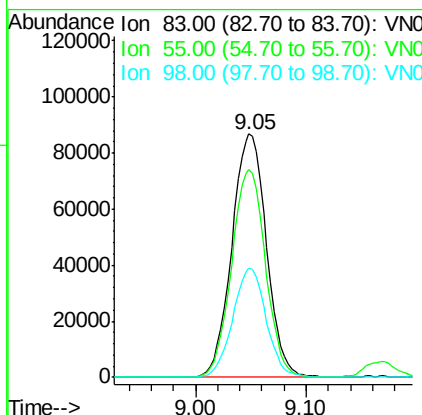
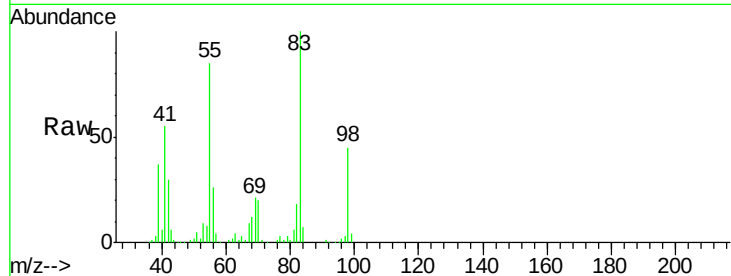
#39
Methylvlcyclohexane
Concen: 39.534 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	65.5	98.3
98	45.0	34.2	51.4

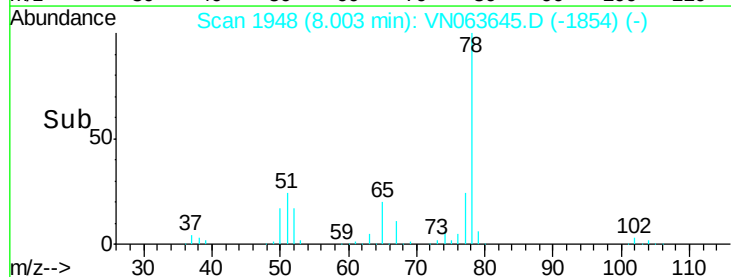
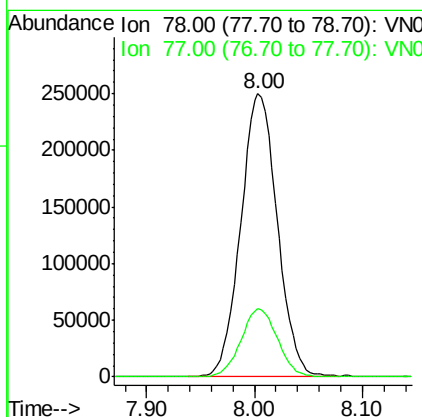
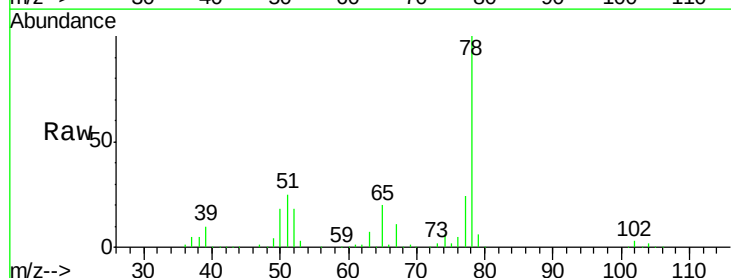
Manual Integrations
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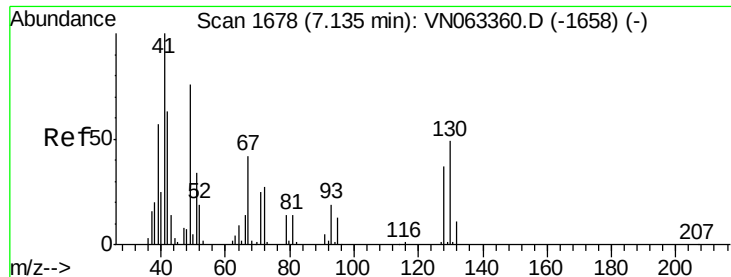
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#40
Benzene
Concen: 47.020 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.3	27.5





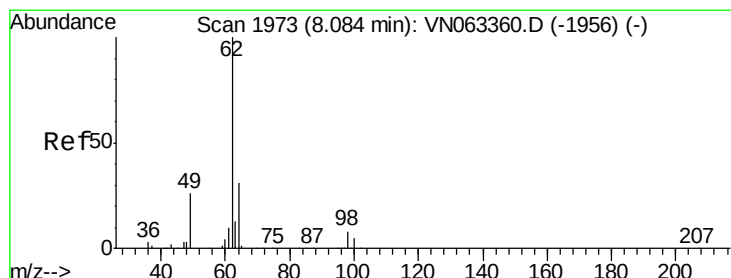
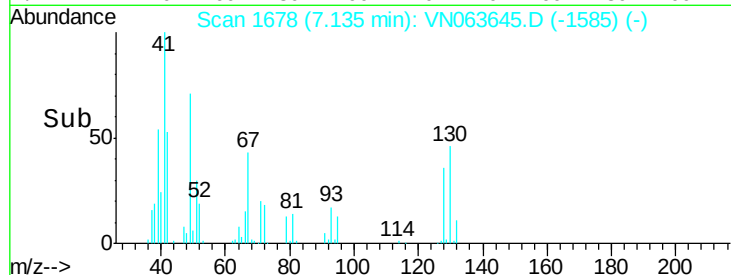
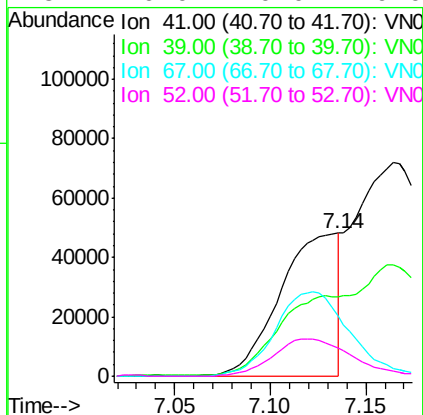
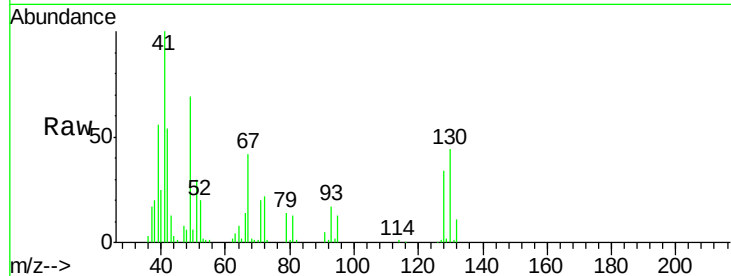
#41
Methacrylonitrile
Concen: 52.630 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	101994
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

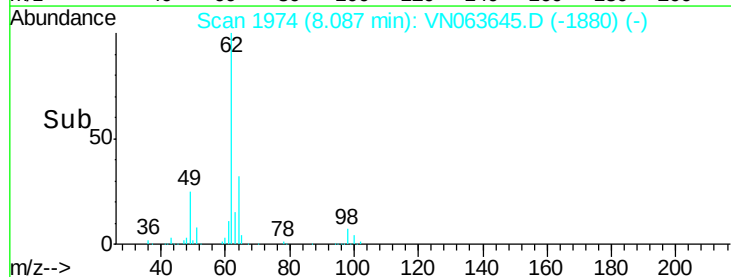
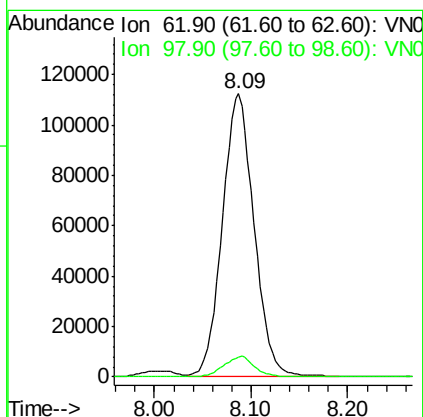
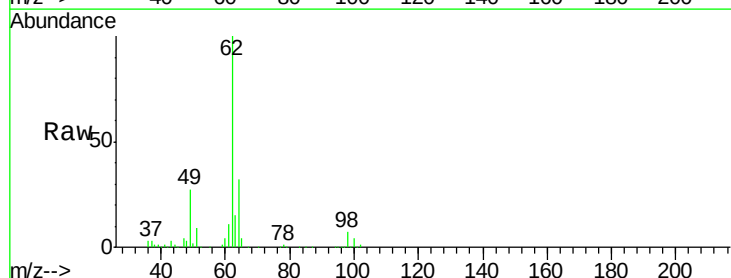
Manual Integrations
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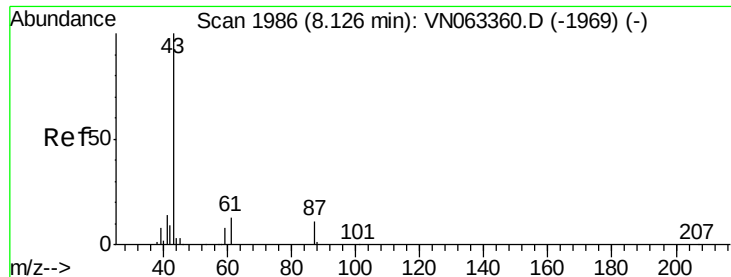
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.291 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	62	Resp	253461
Ion Ratio	Lower	Upper	
62	100		
98	7.1	0.0	15.6





#43

Isopropyl Acetate

Concen: 46.786 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

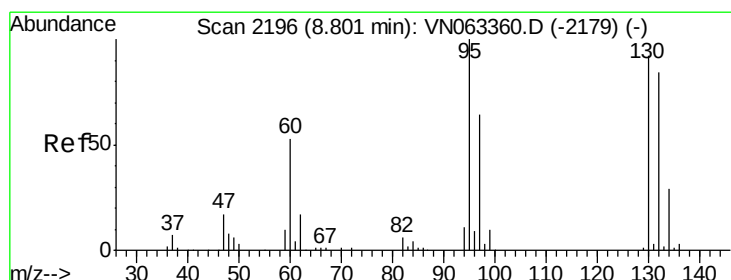
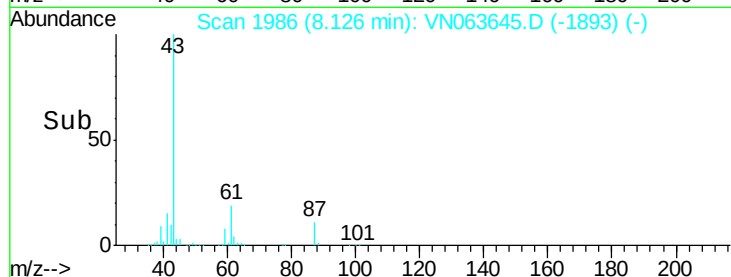
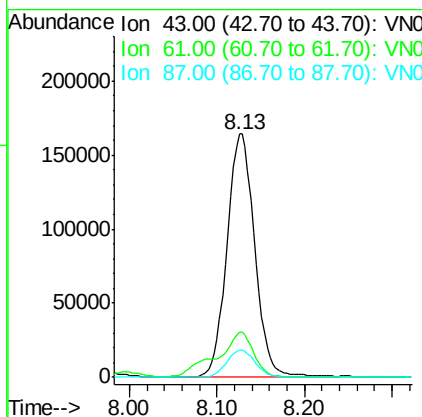
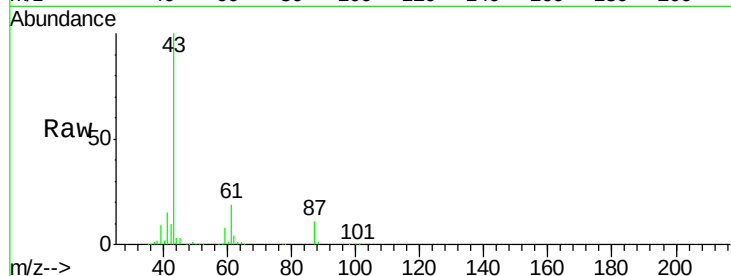
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	360470
Ion	Ratio	Lower	Upper
43	100		
61	24.8	14.2	21.2#
87	11.5	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 47.506 ug/l

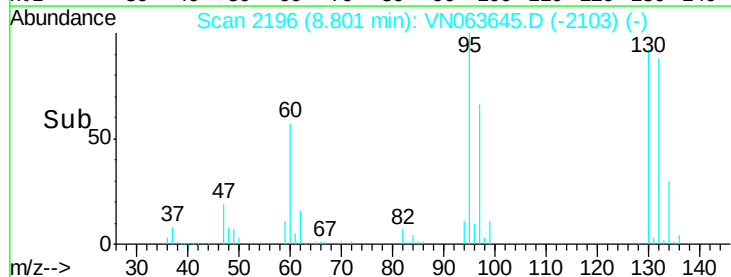
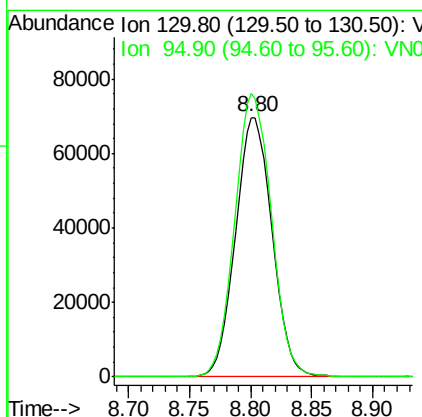
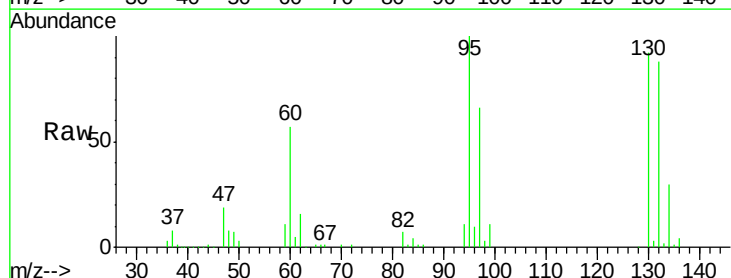
RT: 8.80 min Scan# 2196

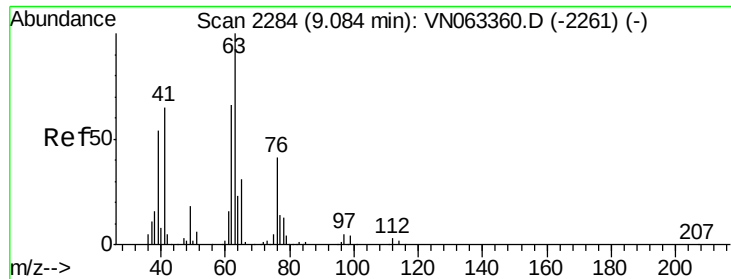
Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion:	130	Resp:	144404
Ion	Ratio	Lower	Upper
130	100		
95	109.2	0.0	217.4





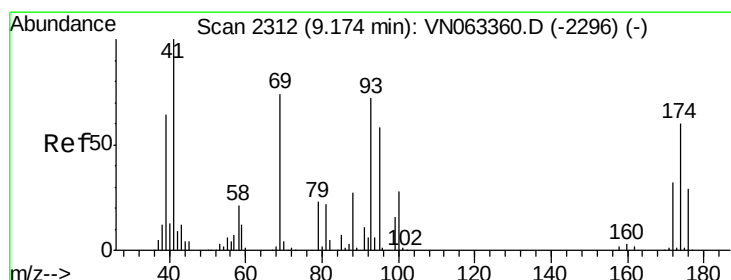
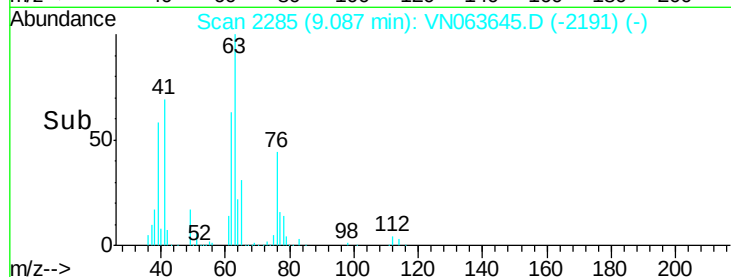
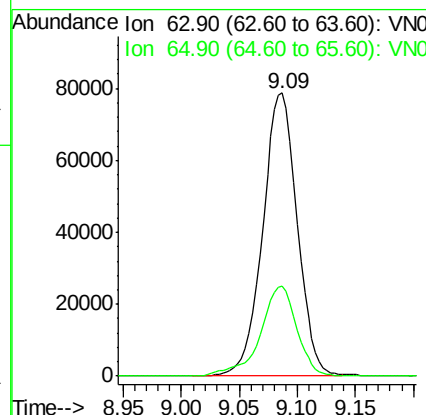
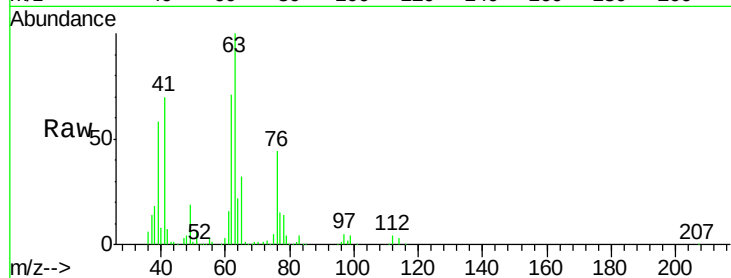
#45
 1,2-Dichloropropane
 Concen: 47.738 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 162946
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.0 37.6

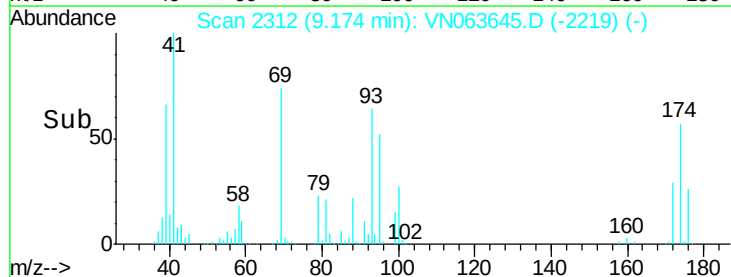
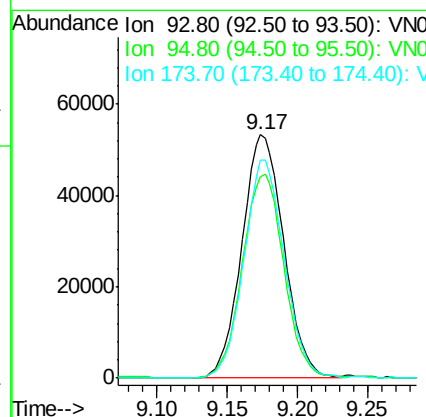
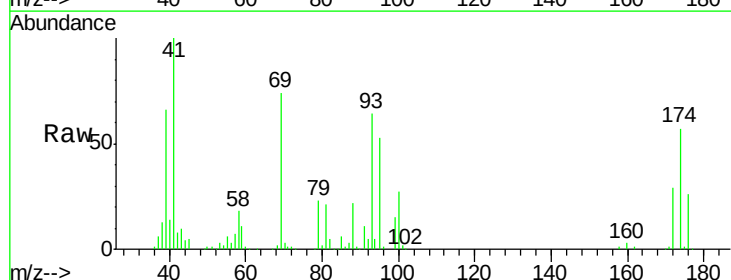
Manual Integrations
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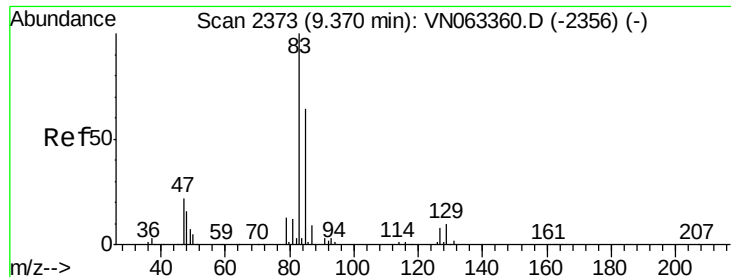
MMDadoda
 9/28/2020 5:17:18 PM



#46
 Dibromomethane
 Concen: 49.488 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion: 93 Resp: 111023
 Ion Ratio Lower Upper
 93 100
 95 83.0 65.6 98.4
 174 86.5 68.1 102.1





#47

Bromodichloromethane

Concen: 50.147 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

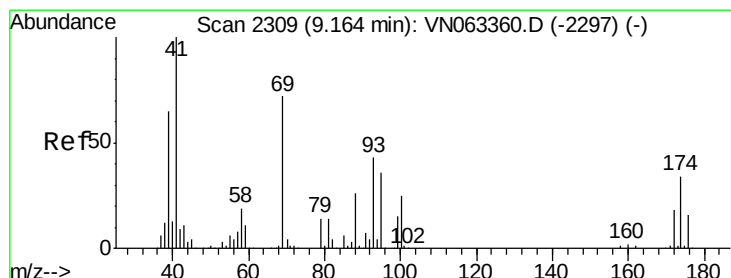
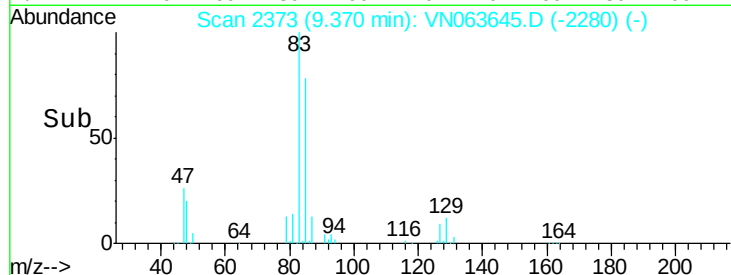
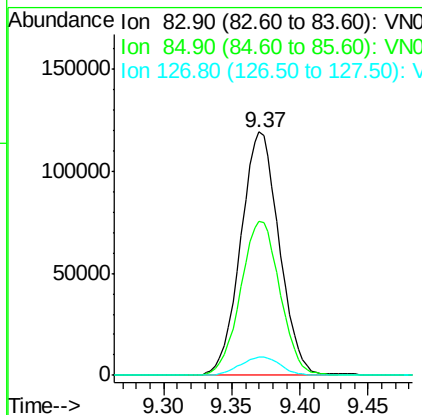
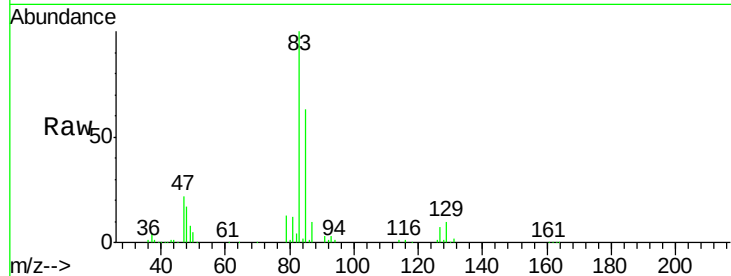
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	233719
Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.6
127	7.5	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.018 ug/l

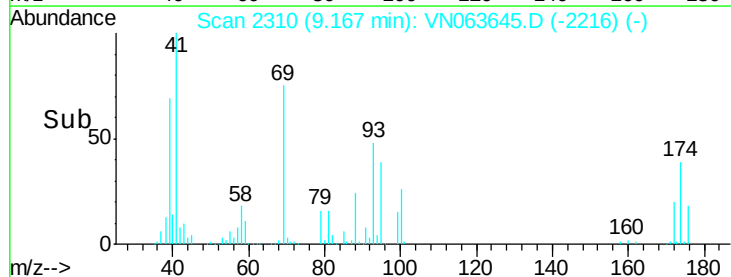
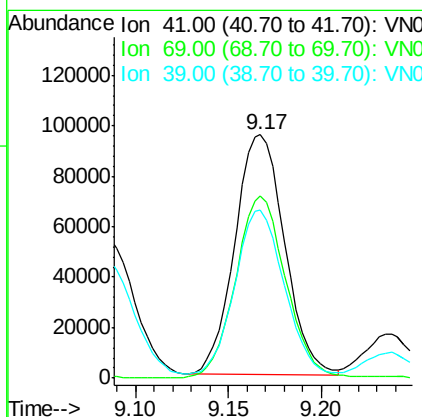
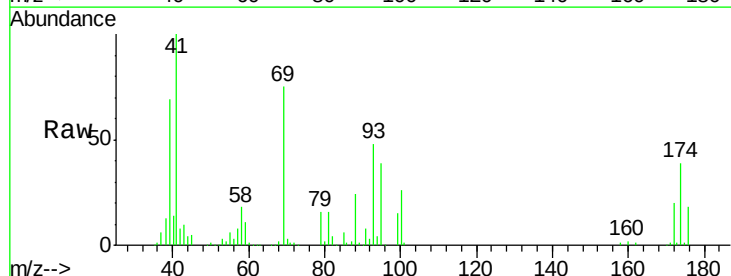
RT: 9.17 min Scan# 2310

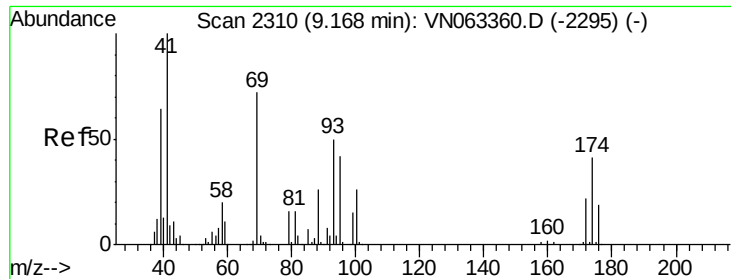
Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion:	41	Resp:	177978
Ion	Ratio	Lower	Upper
41	100		
69	76.6	59.3	88.9
39	70.0	52.9	79.3





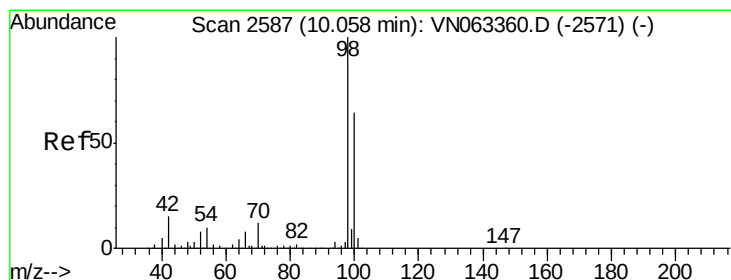
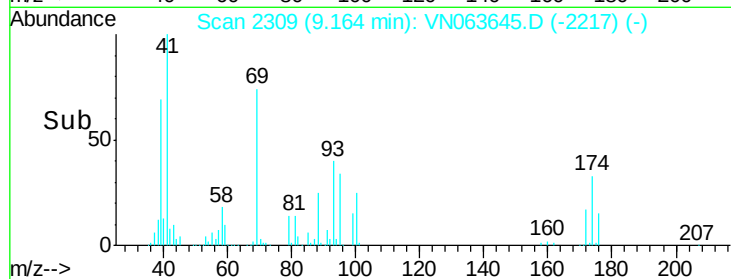
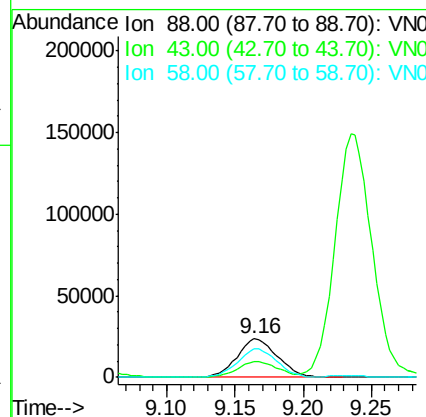
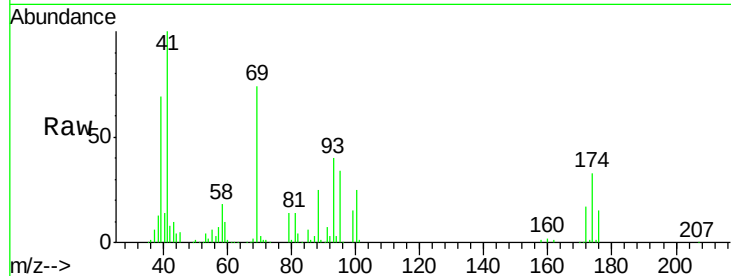
#49
1,4-Dioxane
Concen: 890.822 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	48391
Ion	Ratio	Lower	Upper
88	100		
43	39.9	32.6	49.0
58	72.5	60.0	90.0

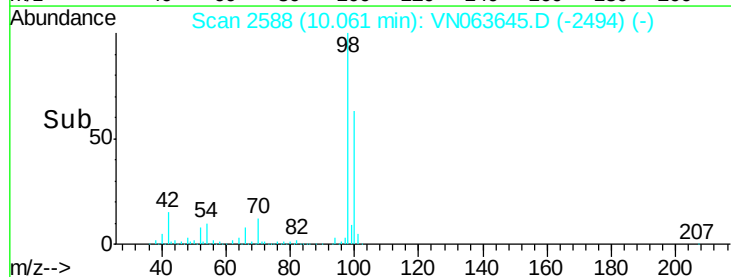
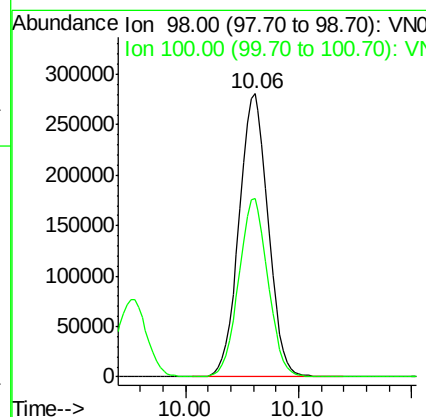
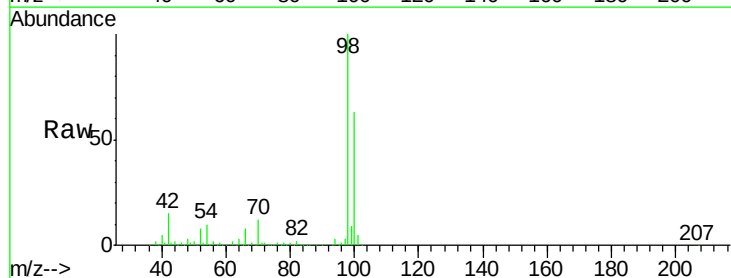
Manual Integrations
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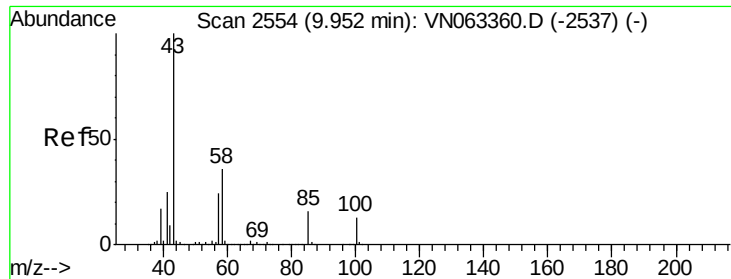
MMDadoda
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#50
Toluene-d8
Concen: 47.065 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	98	Resp	504869
Ion	Ratio	Lower	Upper
98	100		
100	62.8	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 252.889 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1090787

Ion Ratio Lower Upper

43 100

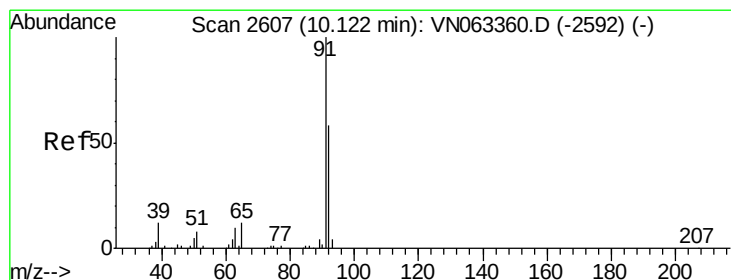
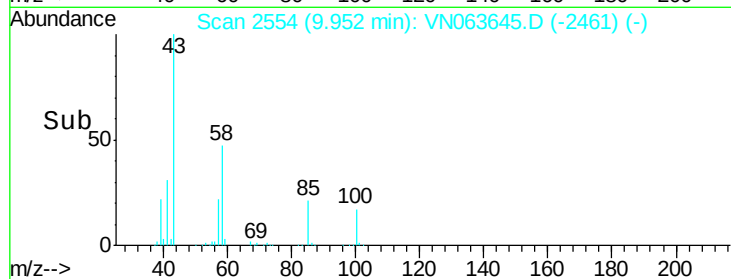
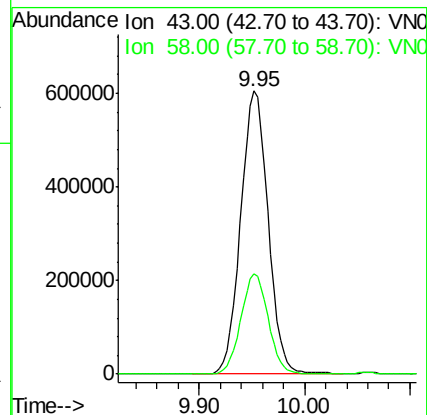
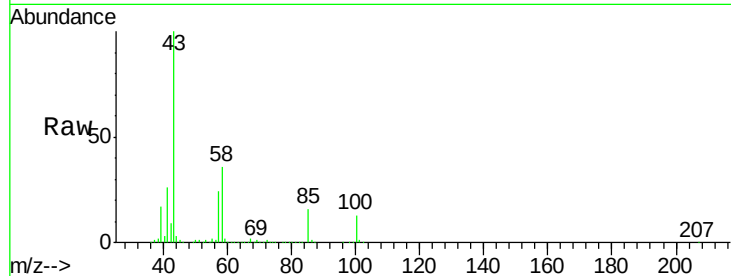
58 35.4 29.0 43.6

Manual Integrations

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#52

Toluene

Concen: 48.921 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063645.D

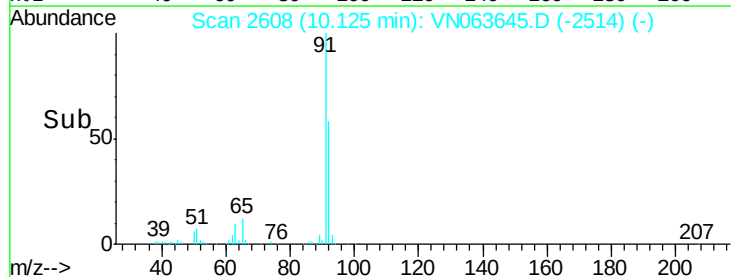
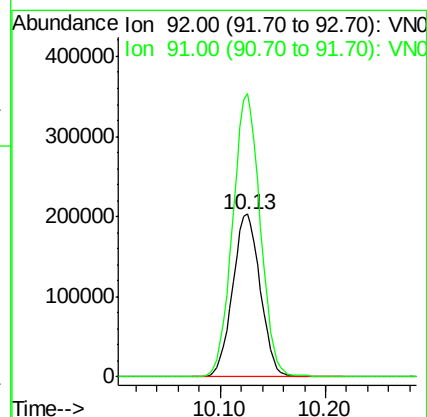
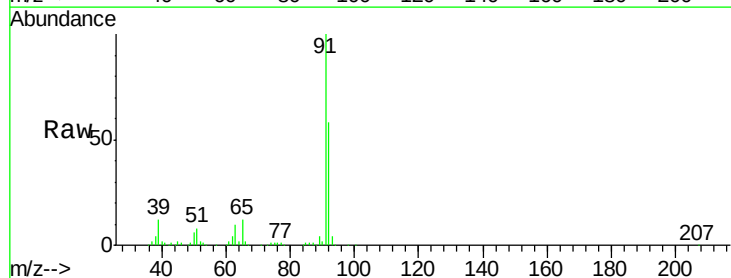
Acq: 24 Sep 2020 21:51

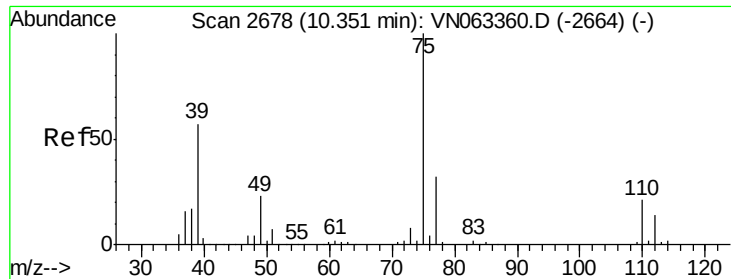
Tgt Ion: 92 Resp: 368614

Ion Ratio Lower Upper

92 100

91 173.0 139.7 209.5





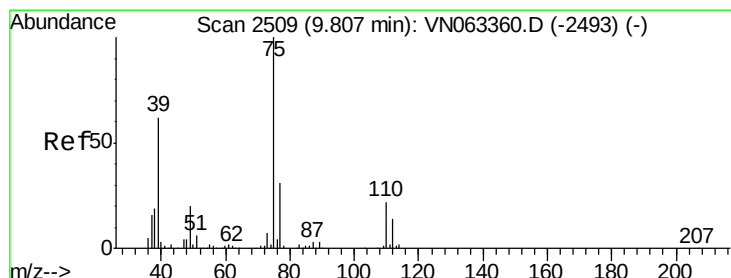
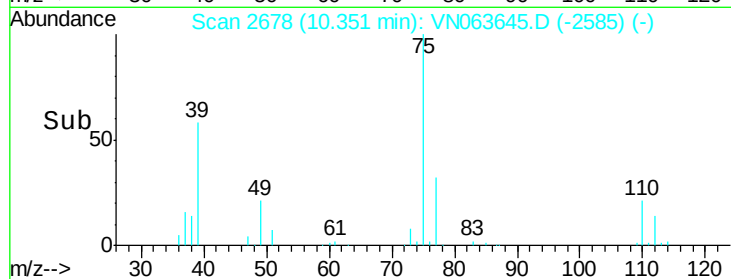
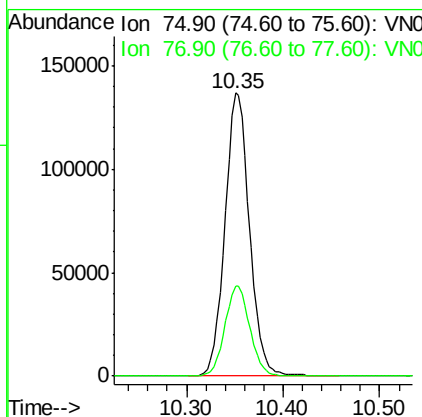
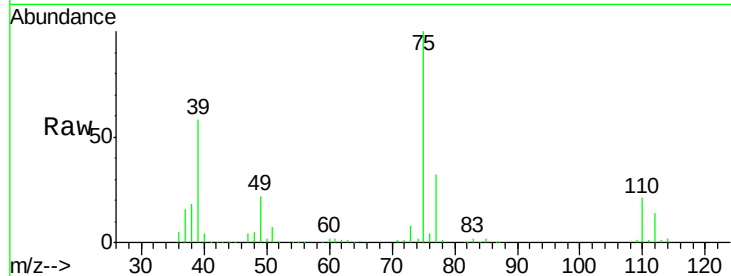
#53
t-1,3-Dichloropropene
Concen: 46.294 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.2

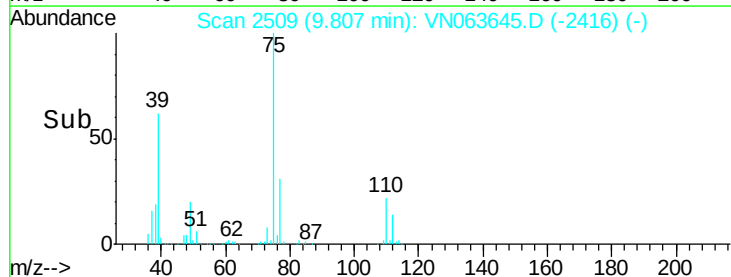
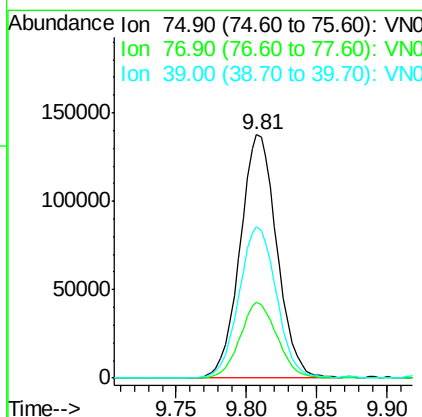
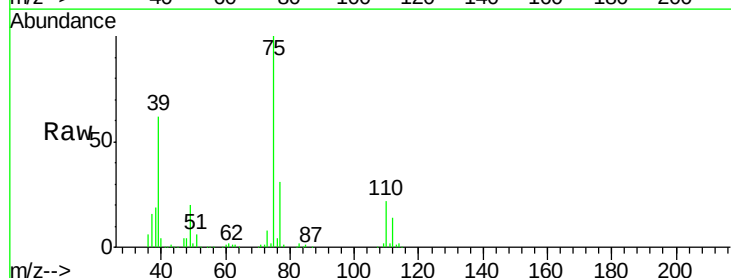
Manual Integrations
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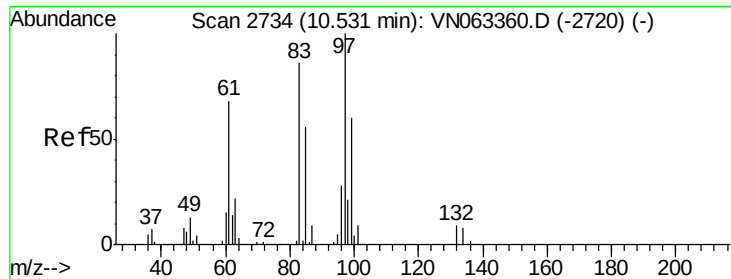
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 45.857 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.6	37.0
39	61.8	49.8	74.8





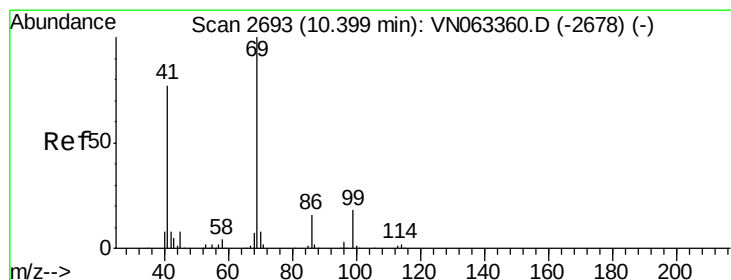
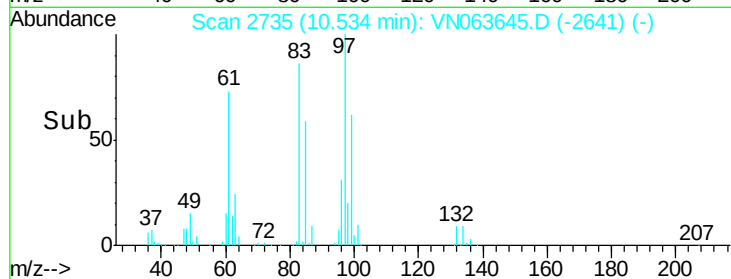
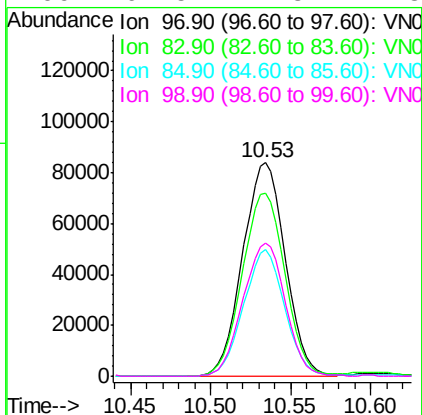
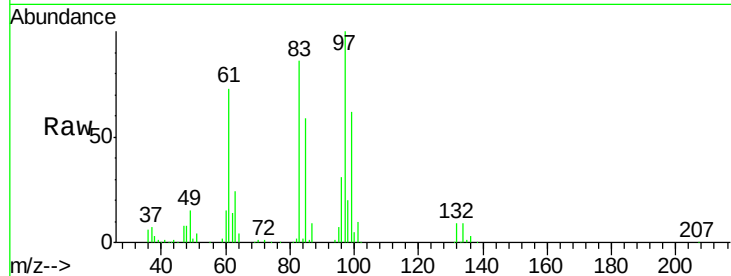
#55
 1,1,2-Trichloroethane
 Concen: 51.144 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	153071
Ion	Ratio	Lower	Upper
97	100		
83	86.0	68.9	103.3
85	59.4	44.8	67.2
99	62.5	47.8	71.8

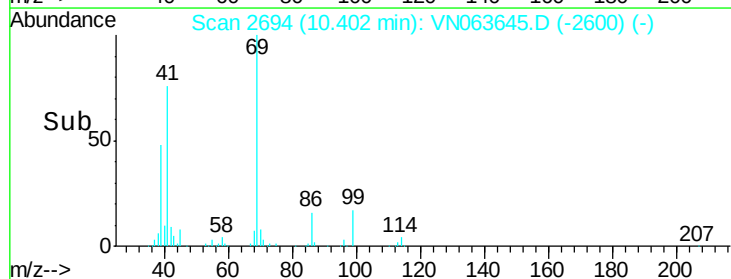
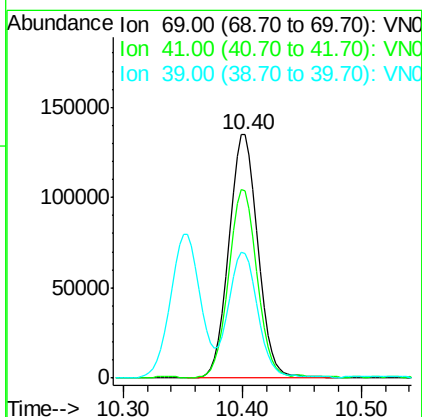
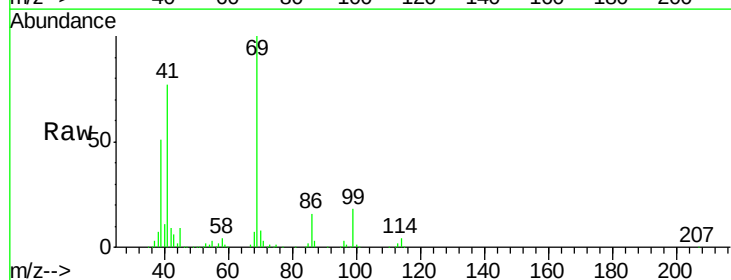
Manual Integrations
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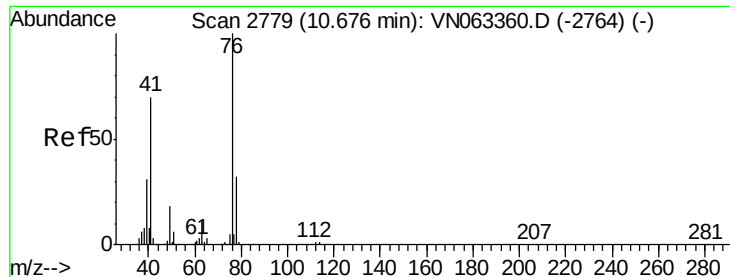
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#56
 Ethyl methacrylate
 Concen: 48.982 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion:	69	Resp:	228858
Ion	Ratio	Lower	Upper
69	100		
41	75.4	61.0	91.6
39	51.1	39.2	58.8





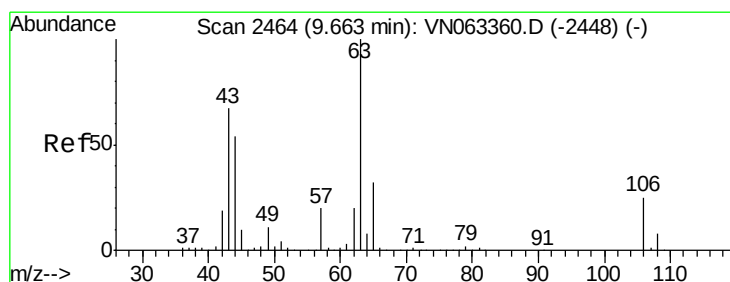
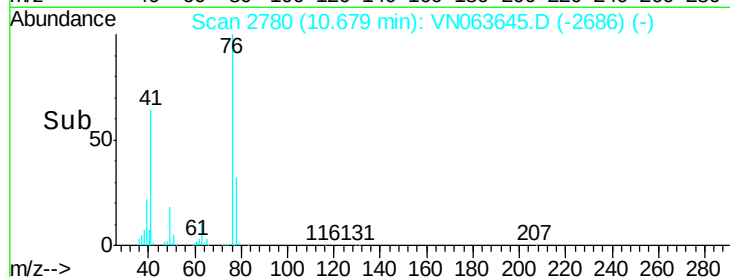
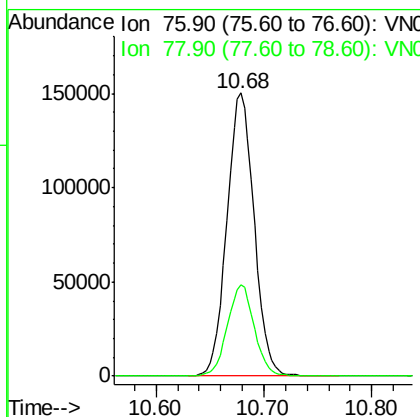
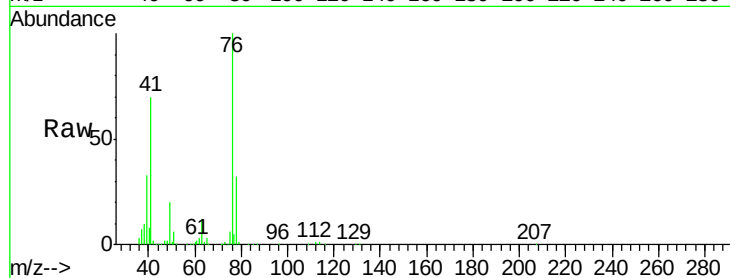
#57
 1,3-Dichloropropane
 Concen: 48.974 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

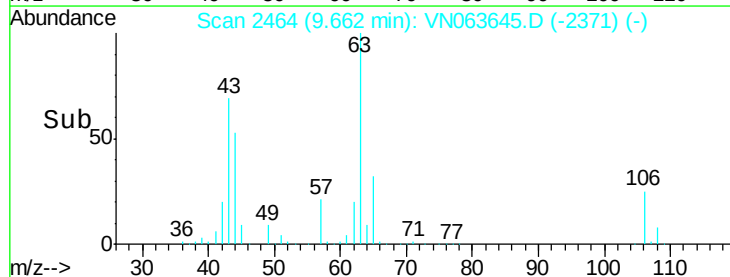
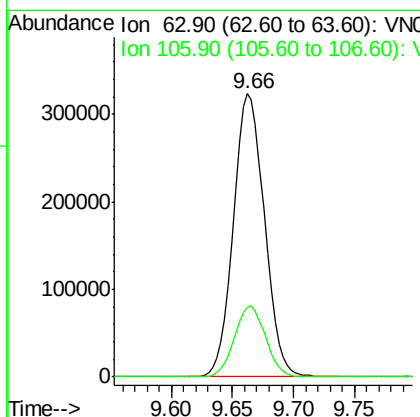
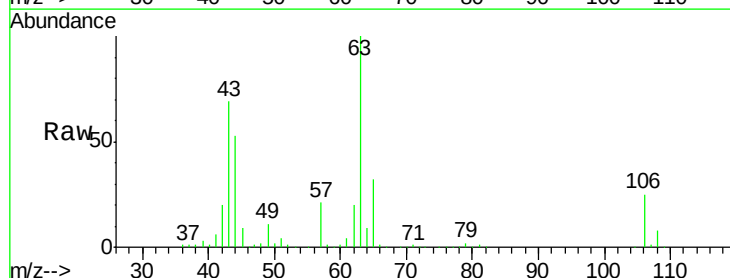
Manual Integrations
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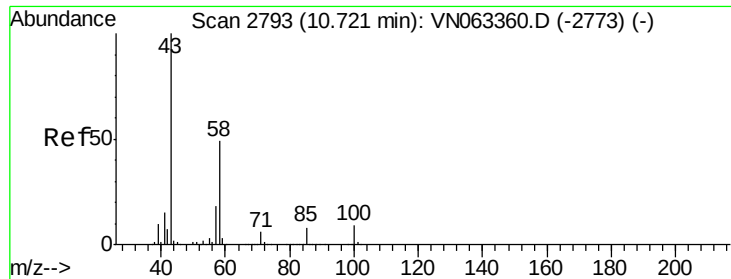
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#58
 2-Chloroethyl Vinyl ether
 Concen: 233.521 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	19.5	29.3





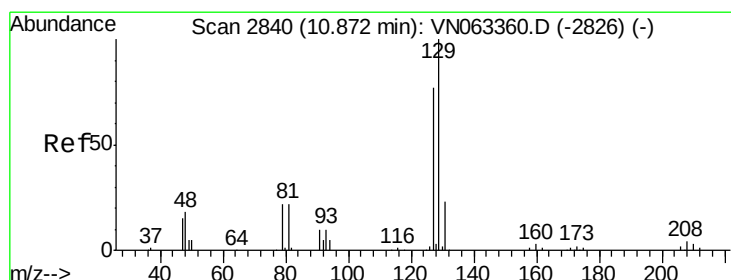
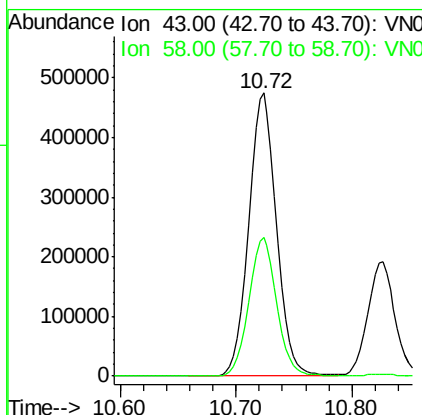
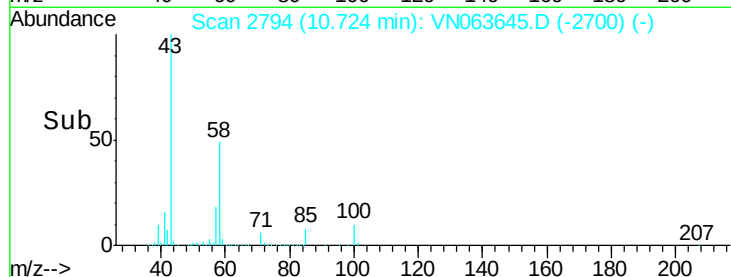
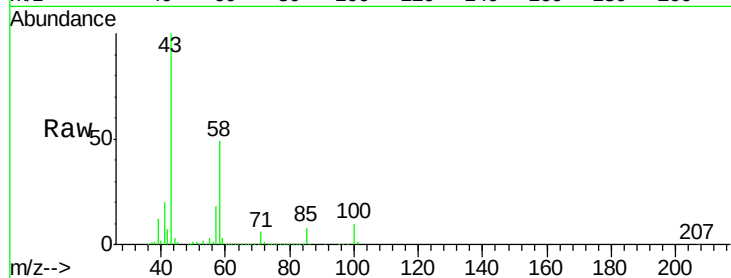
#59
2-Hexanone
Concen: 253.304 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 791544
Ion Ratio Lower Upper
43 100
58 49.3 24.7 74.1

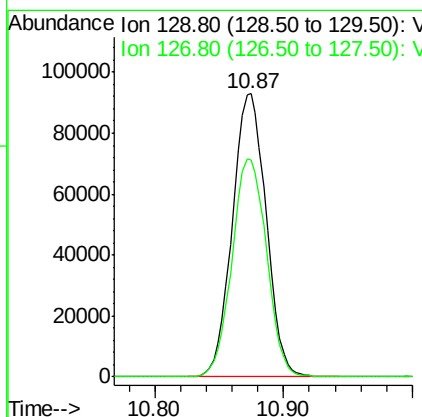
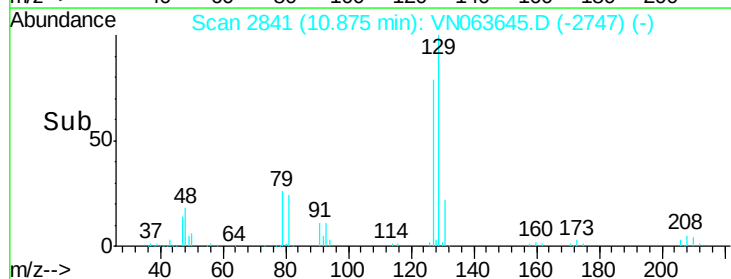
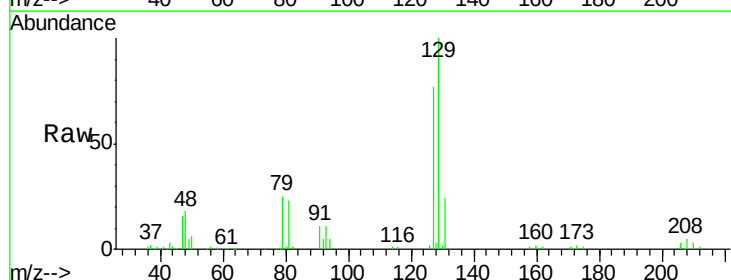
Manual Integrations
APPROVED

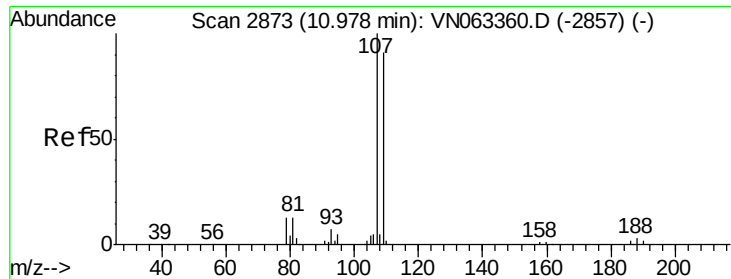
MMDadoda
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#60
Dibromochloromethane
Concen: 50.094 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion: 129 Resp: 169377
Ion Ratio Lower Upper
129 100
127 78.7 39.1 117.3





#61

1,2-Dibromoethane

Concen: 51.242 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 159332

Ion Ratio Lower Upper

107 100

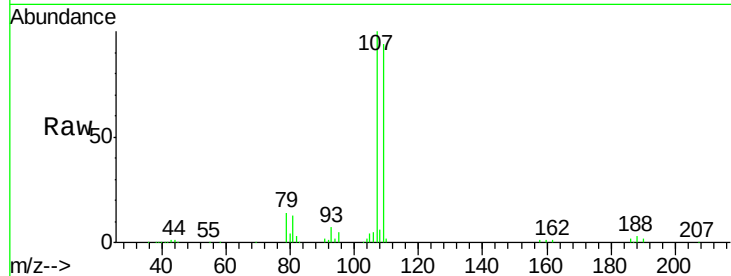
109 94.2 74.6 111.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

80000

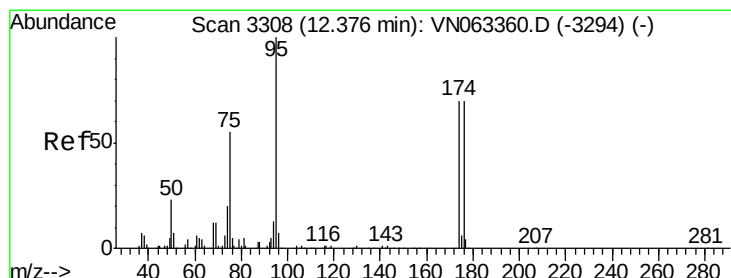
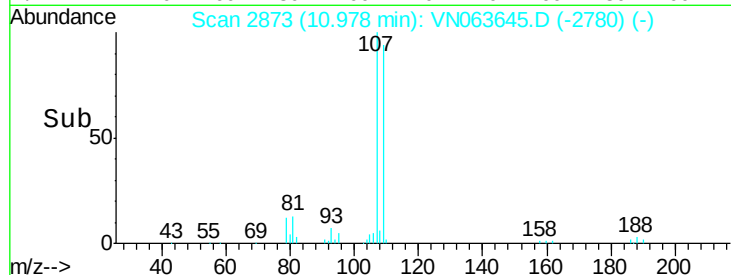
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.817 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

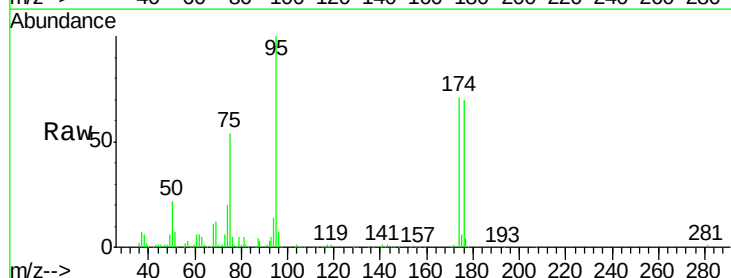
Tgt Ion: 95 Resp: 191965

Ion Ratio Lower Upper

95 100

174 73.4 0.0 140.8

176 70.5 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.38

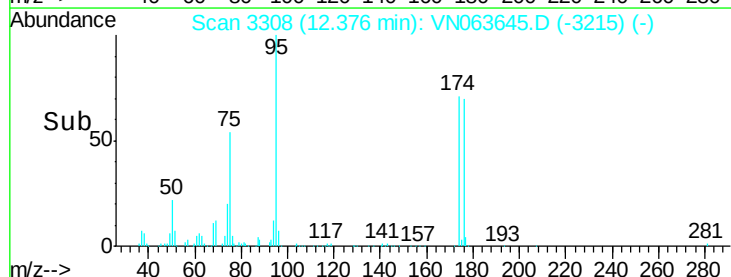
150000

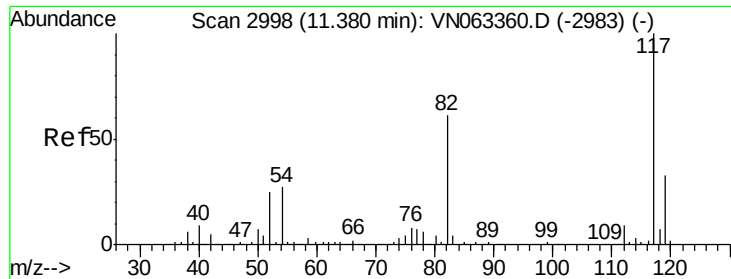
100000

50000

0

Time-->





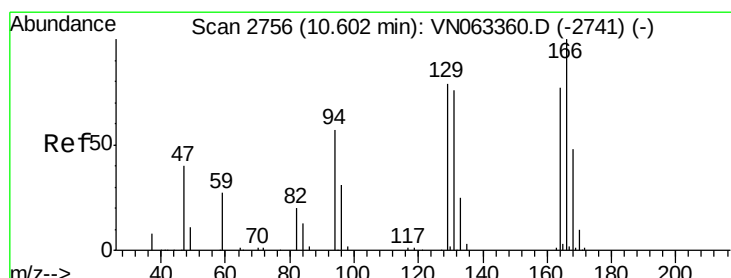
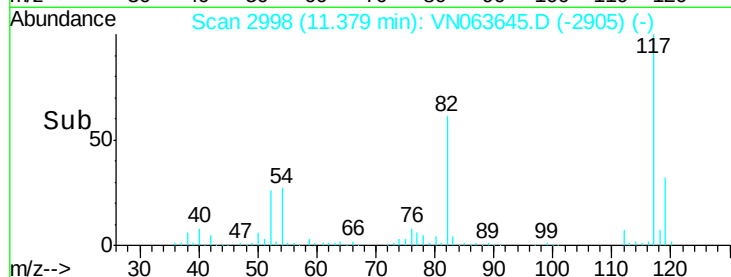
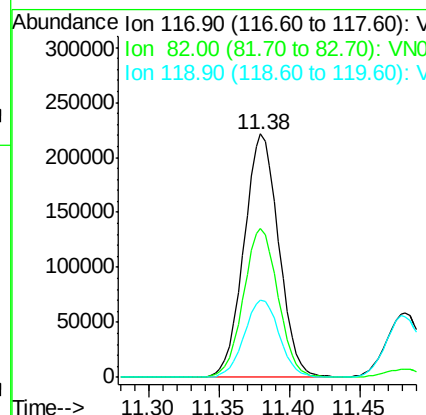
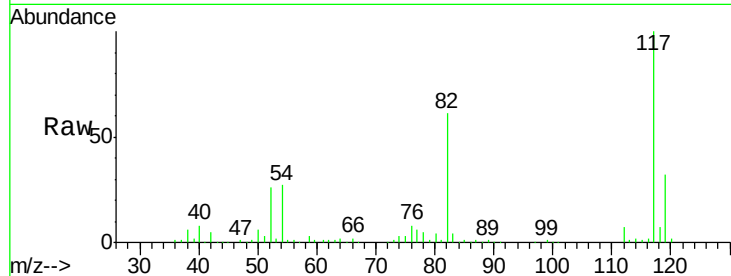
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.2	73.8
119	31.6	26.2	39.4

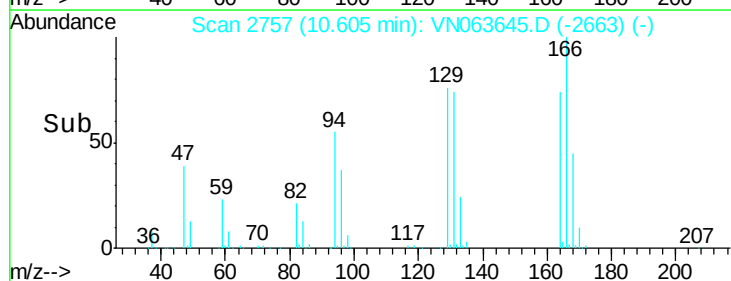
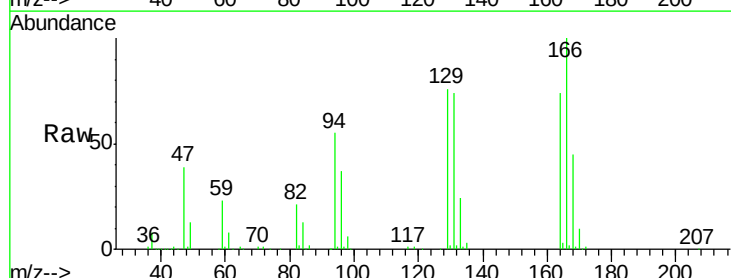
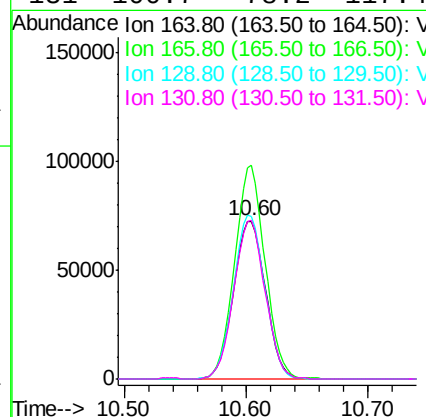
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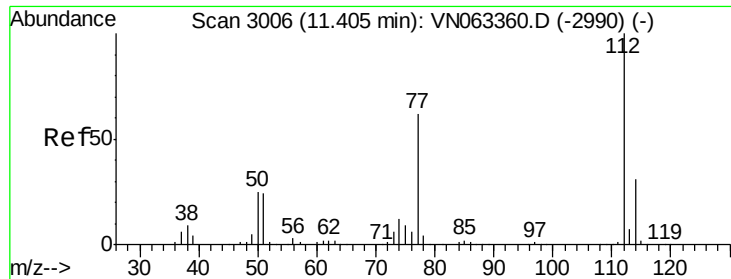
MMDadoda
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#64
Tetrachloroethene
Concen: 50.922 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.5	103.4	155.0
129	103.1	81.8	122.6
131	100.7	78.2	117.4





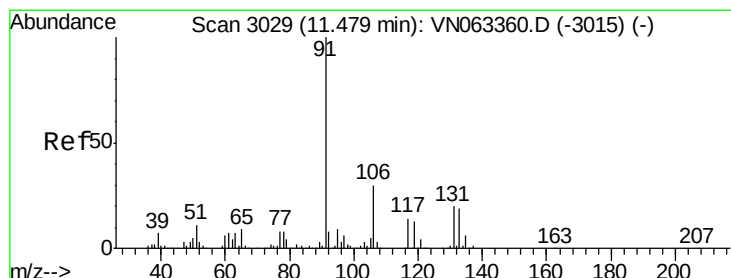
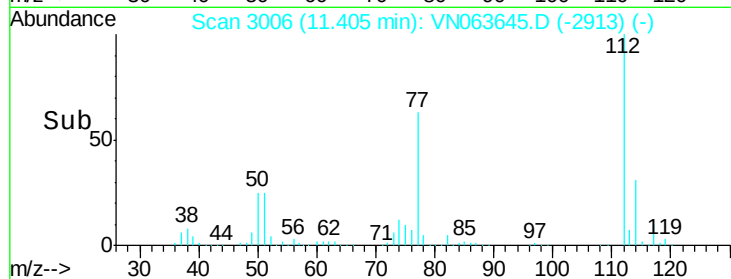
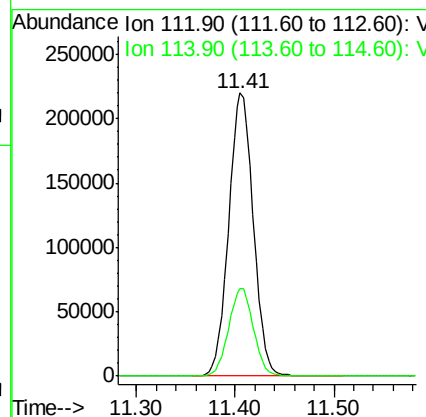
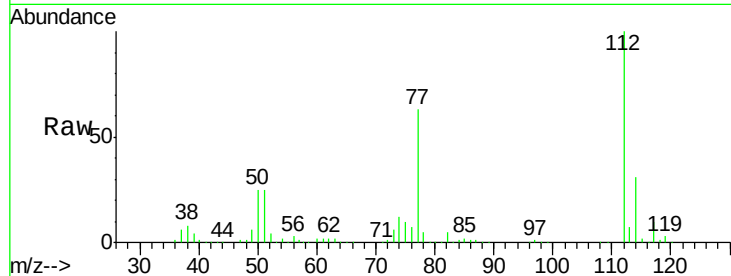
#65
Chlorobenzene
Concen: 47.272 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 384653
Ion Ratio Lower Upper
112 100
114 31.1 25.0 37.6

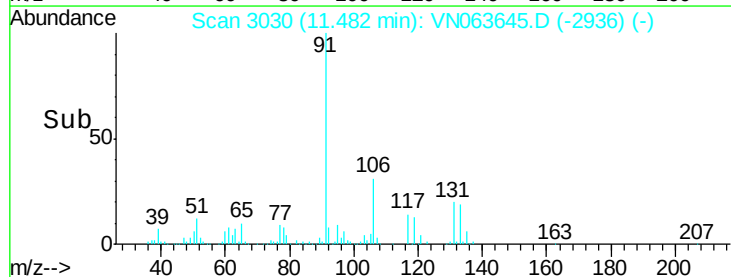
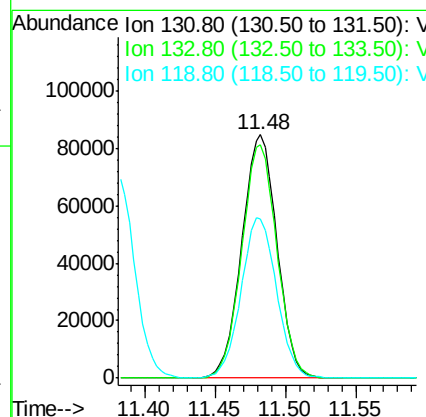
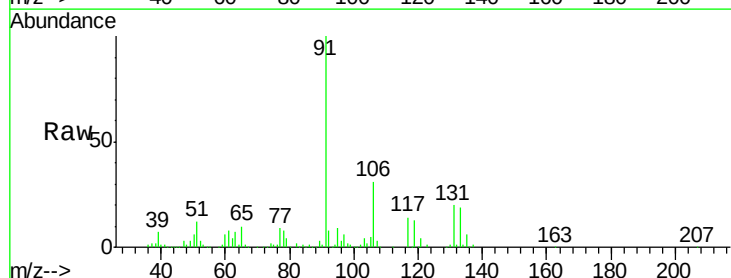
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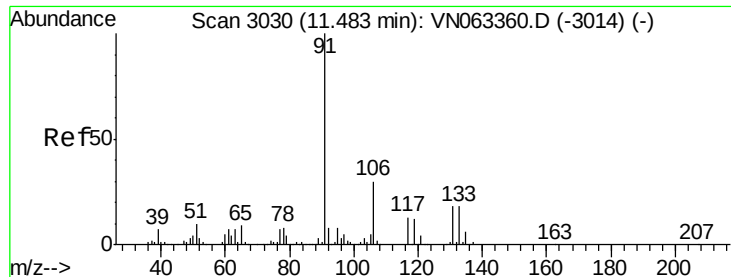
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.740 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion:131 Resp: 148360
Ion Ratio Lower Upper
131 100
133 95.9 47.3 141.9
119 66.6 33.6 100.8





#67

Ethyl Benzene

Concen: 46.030 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 705342

Ion Ratio Lower Upper

91 100

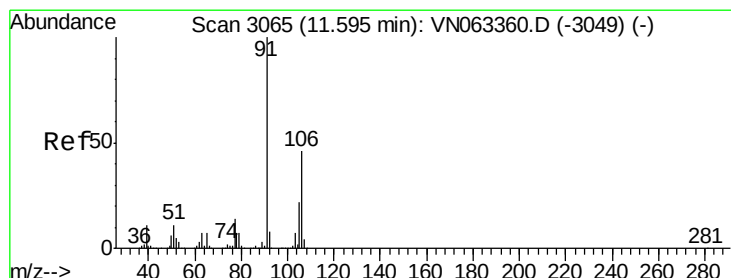
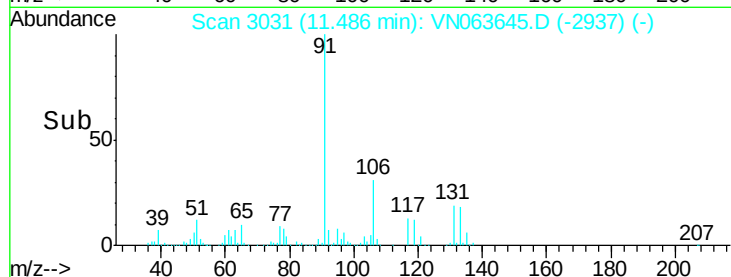
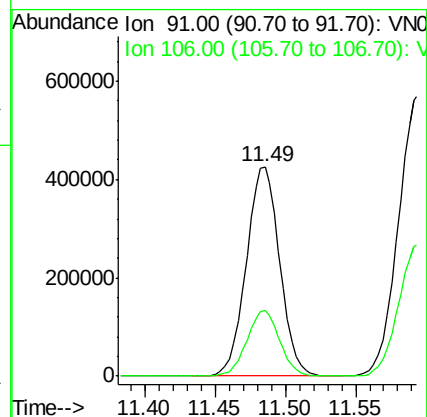
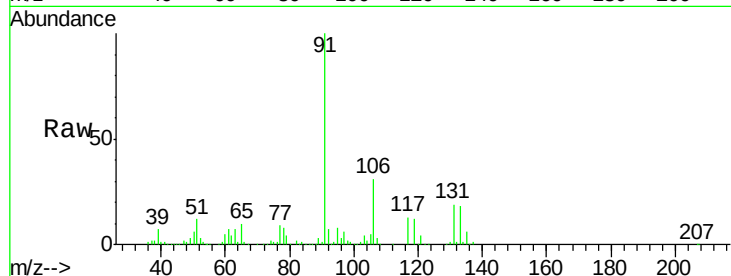
106 31.2 23.8 35.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 94.565 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063645.D

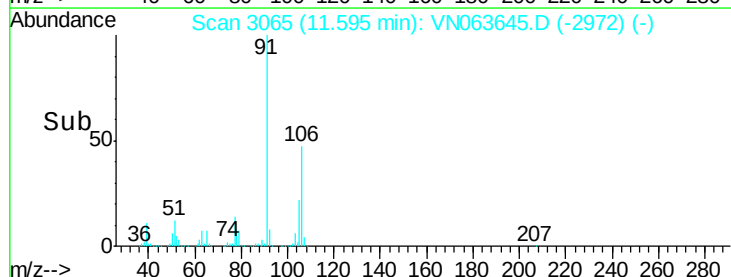
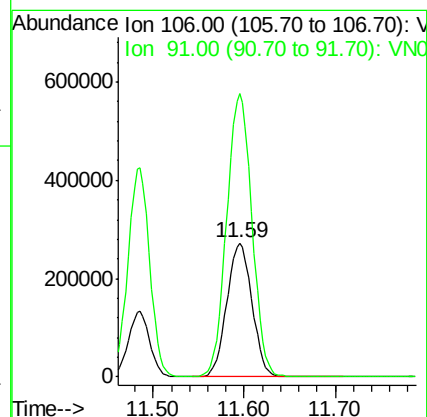
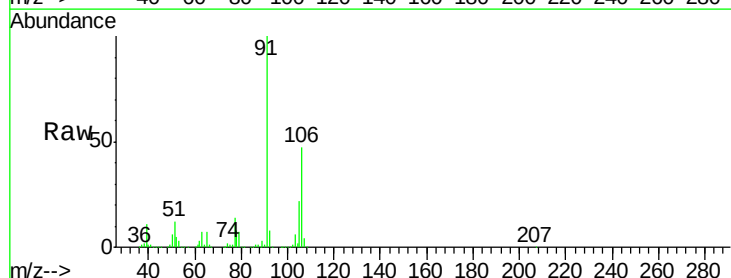
Acq: 24 Sep 2020 21:51

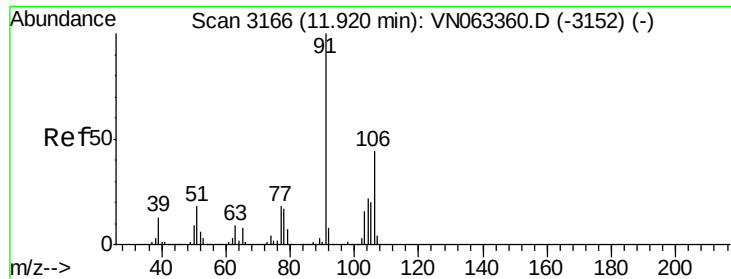
Tgt Ion: 106 Resp: 522466

Ion Ratio Lower Upper

106 100

91 212.7 171.2 256.8





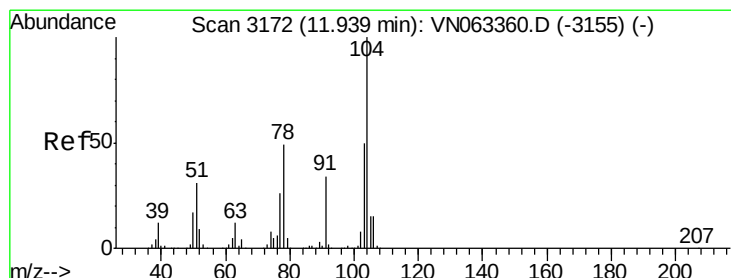
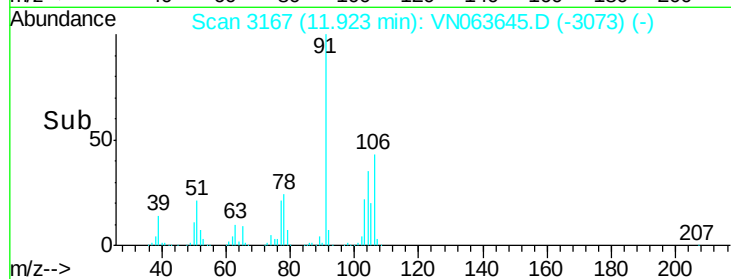
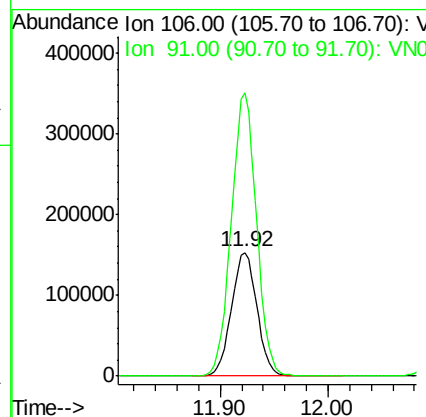
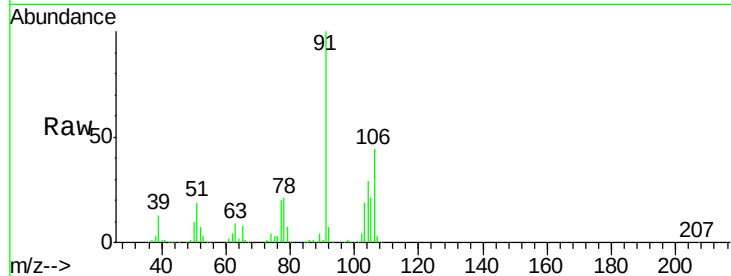
#69
o-Xylene
Concen: 47.913 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		252171		
91	226.7	113.6	340.8		

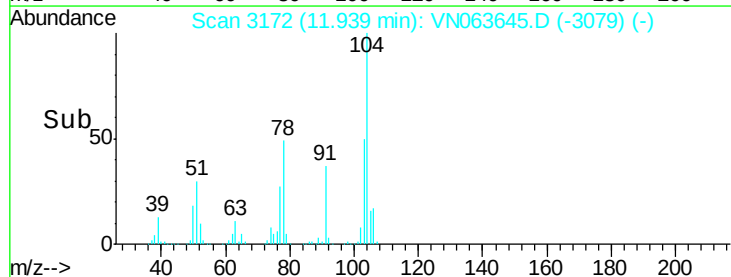
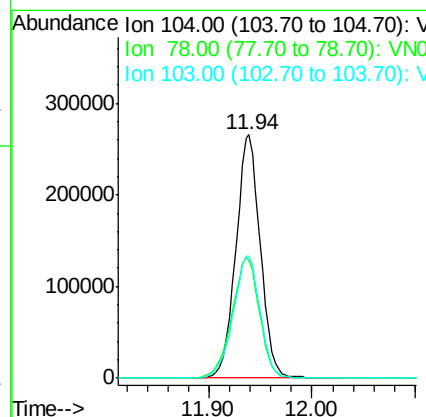
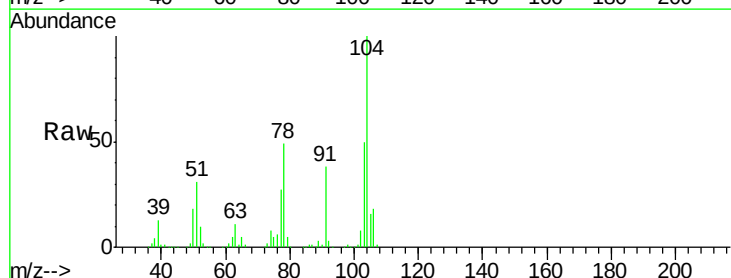
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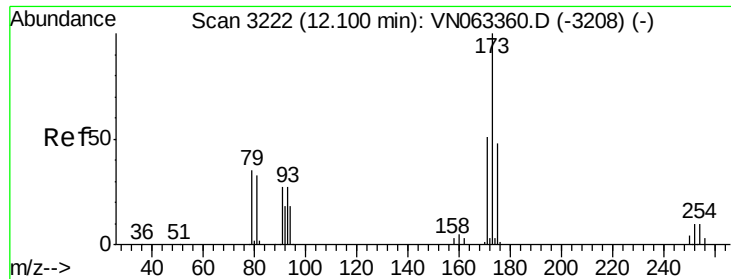
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#70
Styrene
Concen: 49.628 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		438020		
78	55.6	44.4	66.6		
103	55.7	43.7	65.5		





#71

Bromoform

Concen: 51.657 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

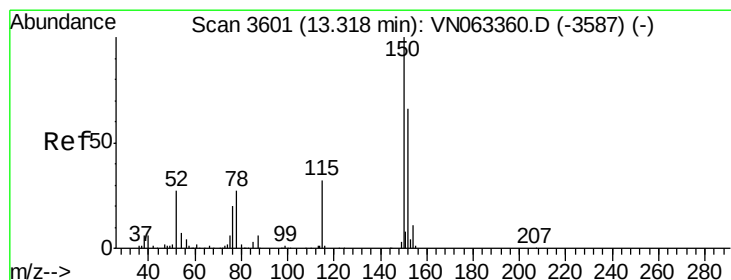
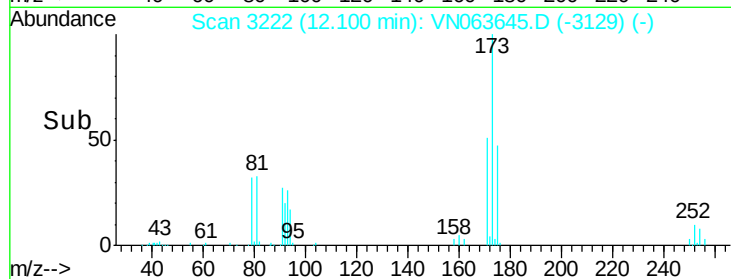
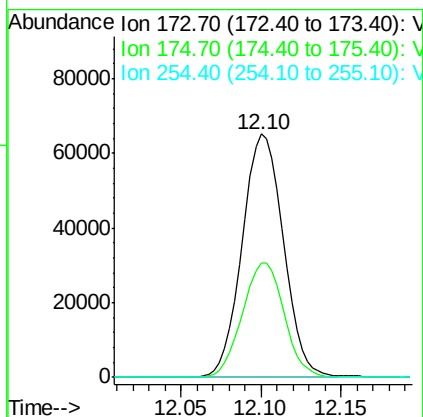
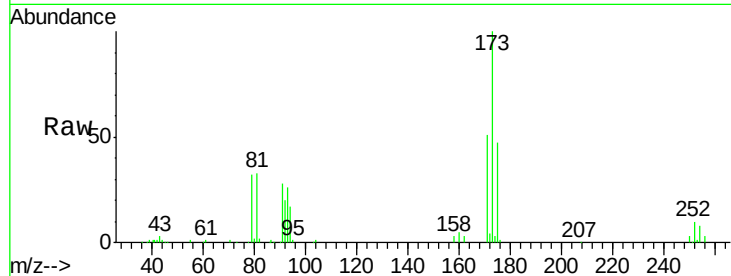
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	114785
Ion Ratio	Lower	Upper	
173	100		
175	47.8	24.0	72.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

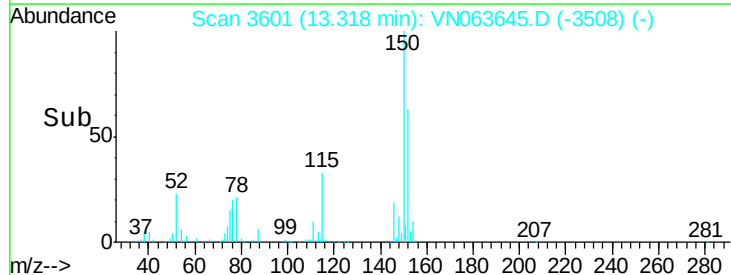
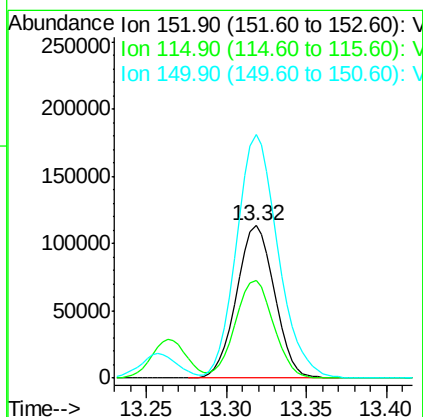
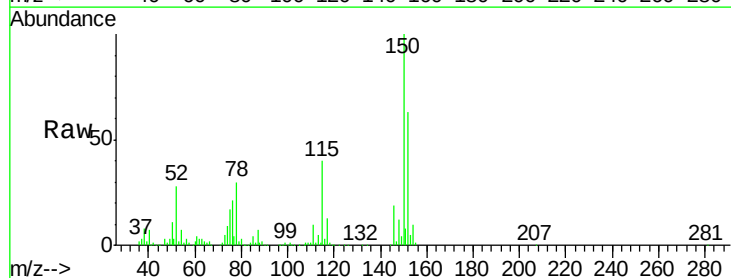
RT: 13.32 min Scan# 3601

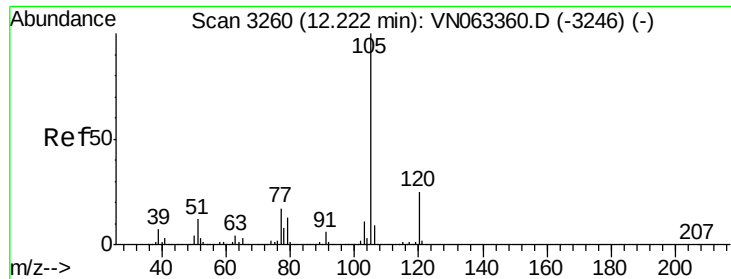
Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion:	152	Resp:	183562
Ion Ratio	Lower	Upper	
152	100		
115	65.1	32.2	96.6
150	172.8	0.0	343.4





#73

Isopropylbenzene

Concen: 46.598 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 685444

Ion Ratio Lower Upper

105 100

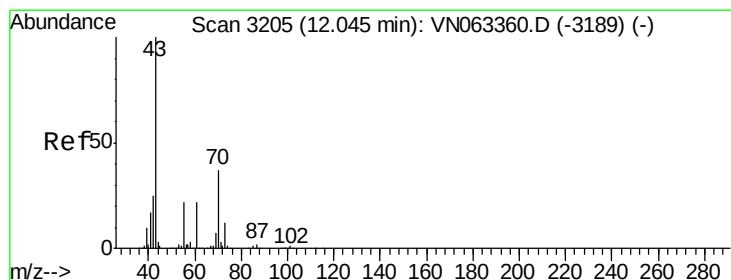
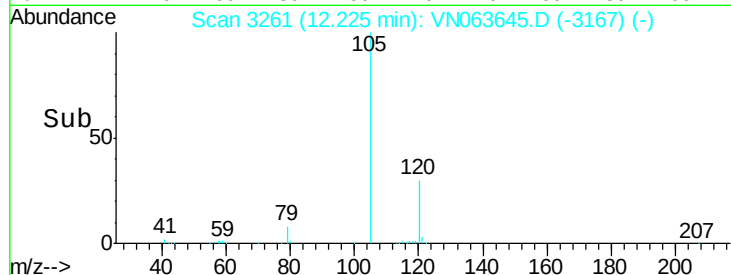
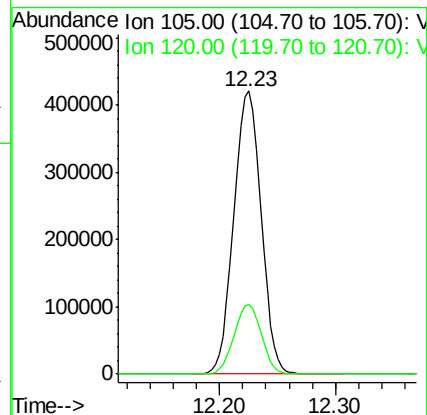
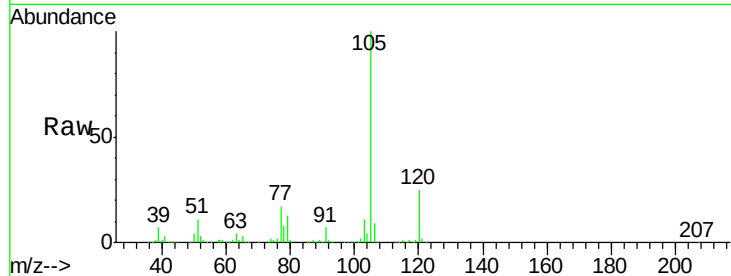
120 24.7 12.7 38.0

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#74

N-ethyl acetate

Concen: 46.729 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion: 43 Resp: 325376

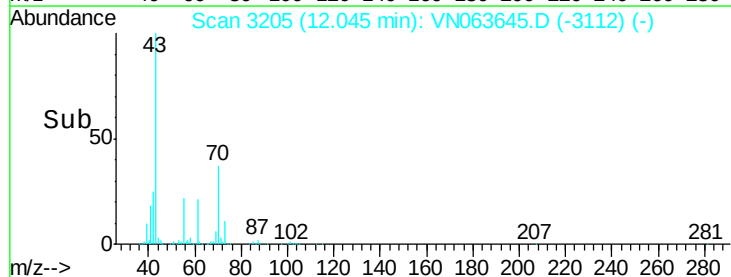
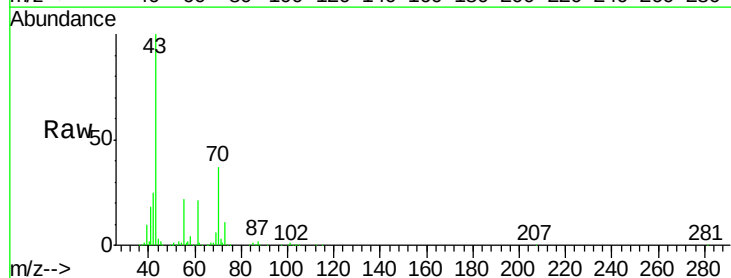
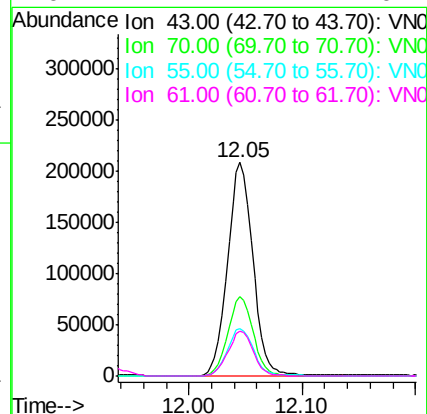
Ion Ratio Lower Upper

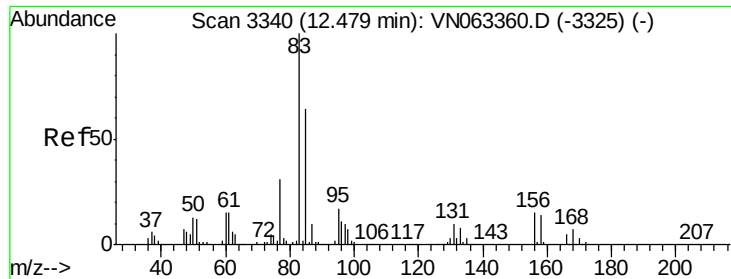
43 100

70 37.0 29.6 44.4

55 23.1 17.7 26.5

61 21.1 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.625 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 221467

Ion Ratio Lower Upper

83 100

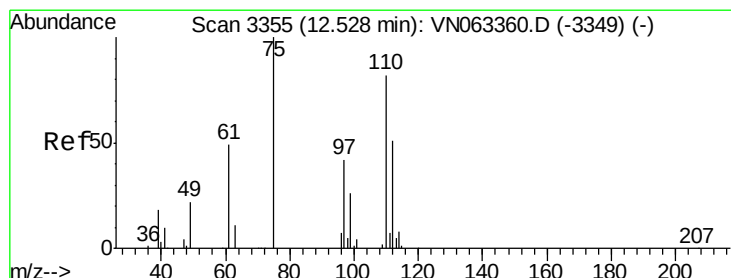
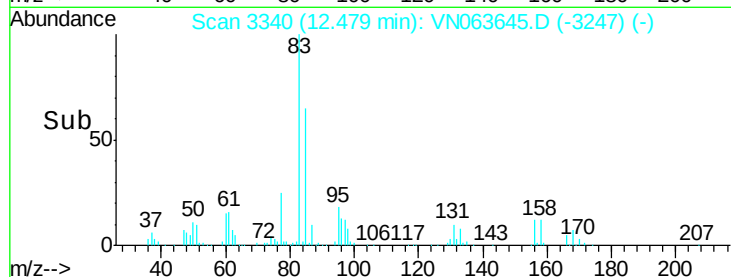
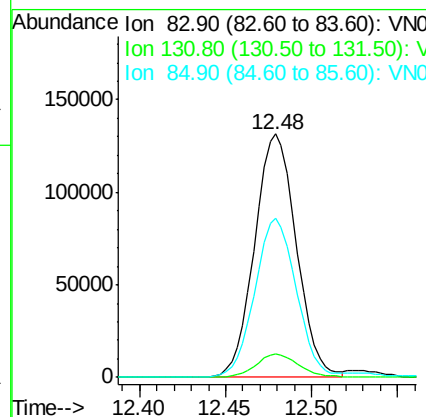
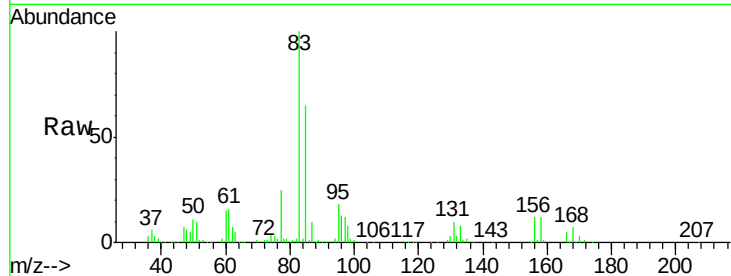
131 9.8 4.9 14.7

85 64.7 32.0 96.0

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#76

1,2,3-Trichloropropane

Concen: 46.454 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063645.D

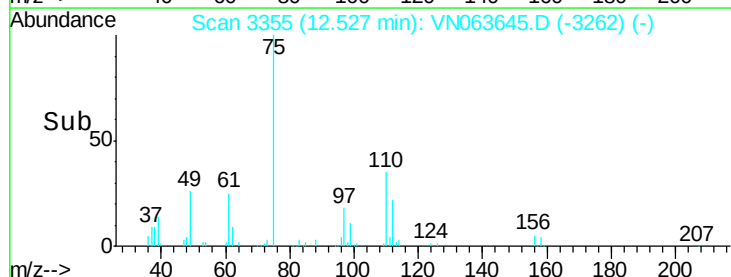
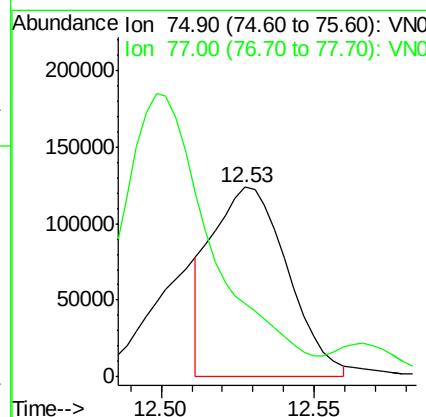
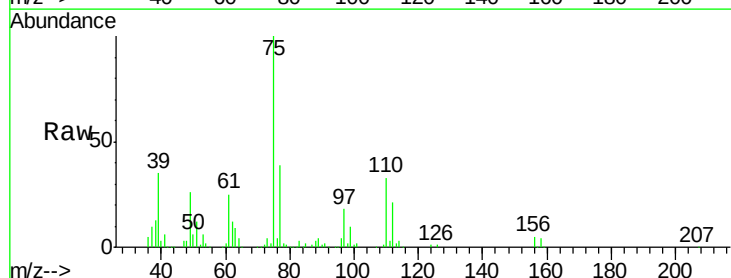
Acq: 24 Sep 2020 21:51

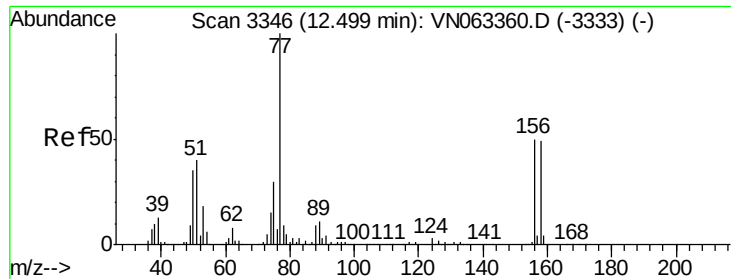
Tgt Ion: 75 Resp: 211060

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





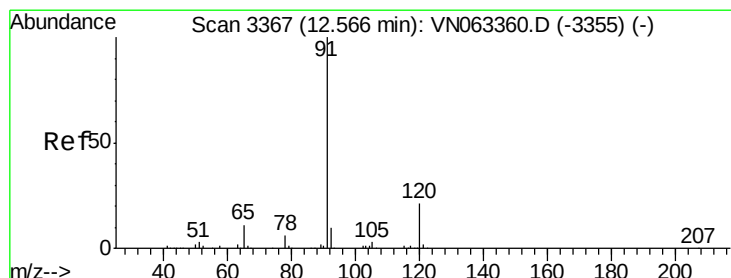
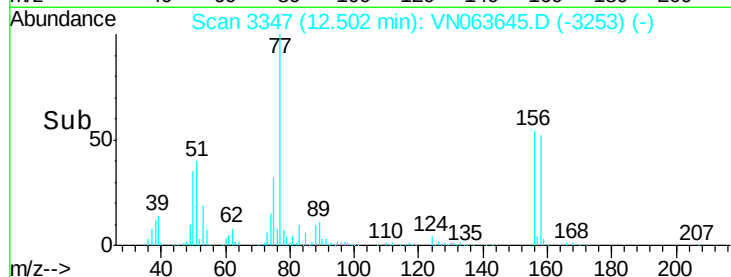
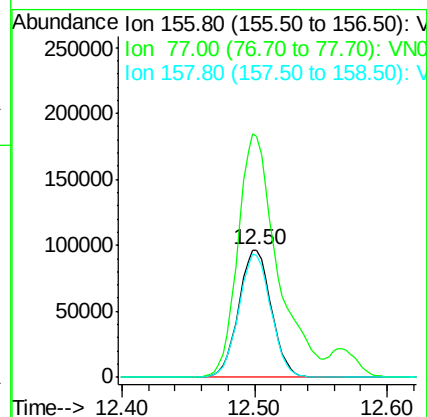
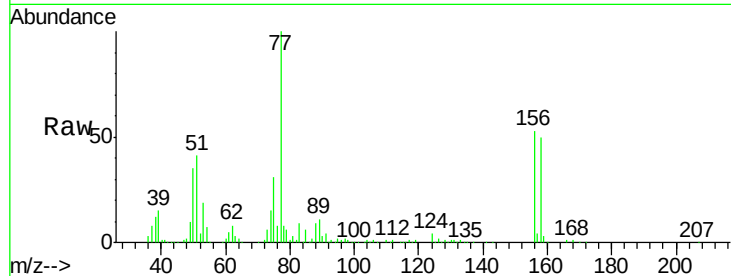
#77
Bromobenzene
Concen: 49.829 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	230.7	120.2	360.6
158	95.9	48.9	146.6

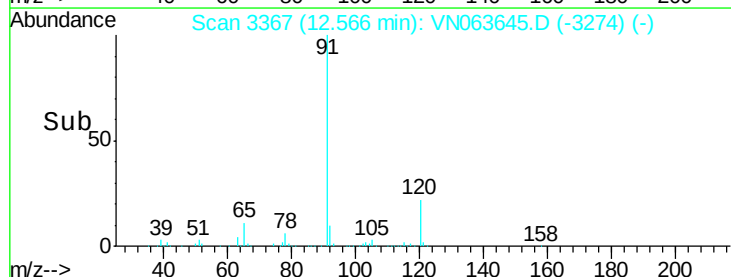
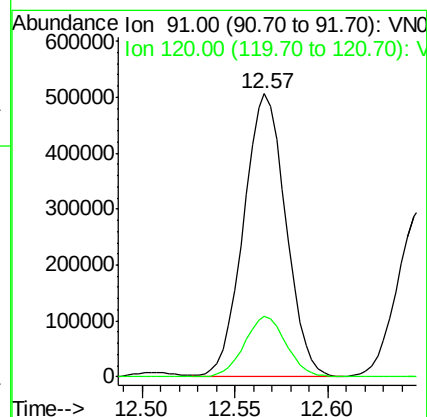
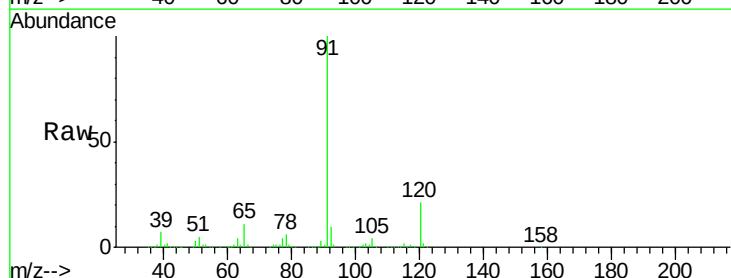
Manual Integrations
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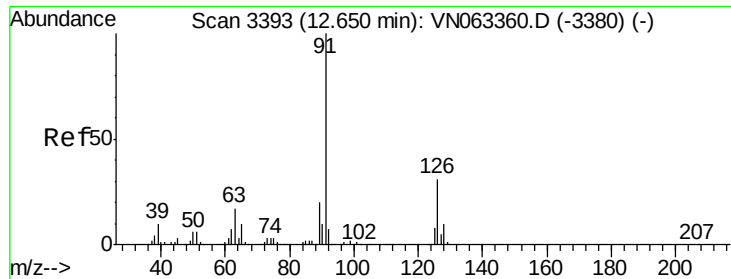
MMDadoda
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#78
n-propylbenzene
Concen: 46.347 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3





#79

2-Chlorotoluene

Concen: 47.341 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 486200

Ion Ratio Lower Upper

91 100

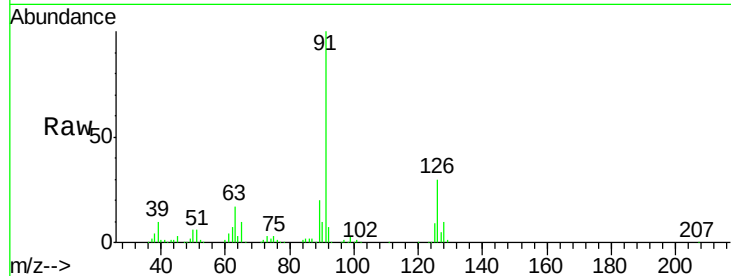
126 31.2 15.8 47.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)

500000

400000

300000

200000

100000

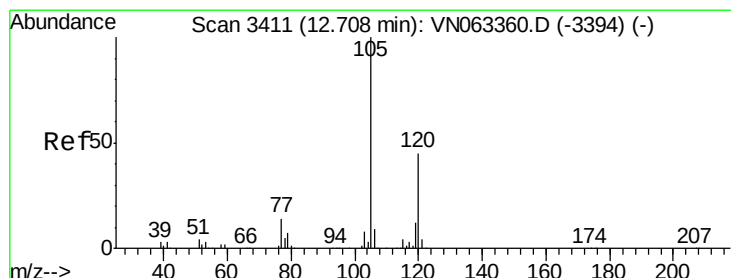
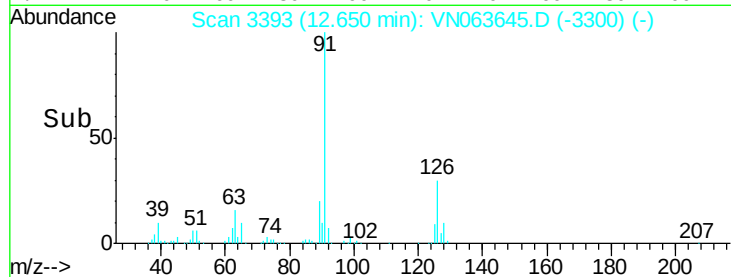
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.919 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063645.D

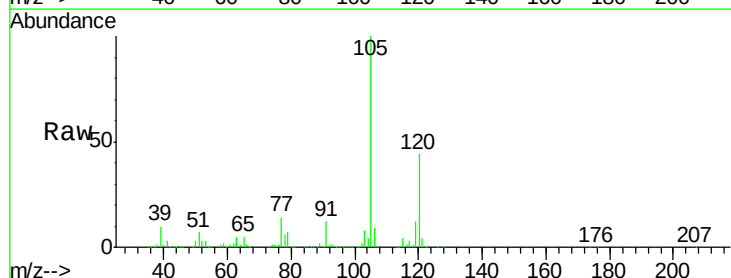
Acq: 24 Sep 2020 21:51

Tgt Ion: 105 Resp: 587772

Ion Ratio Lower Upper

105 100

120 45.6 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

400000

300000

200000

100000

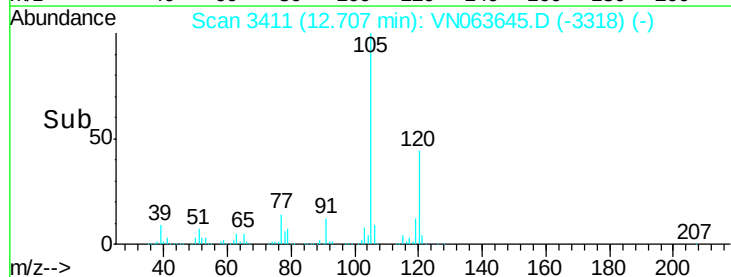
0

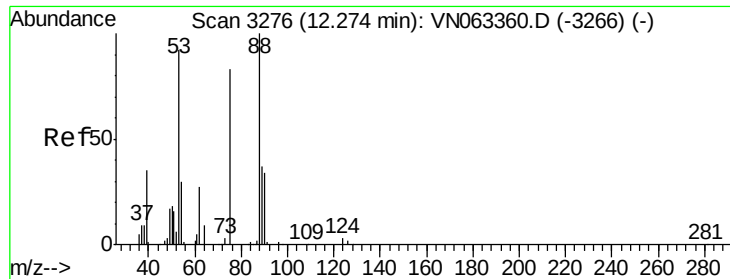
12.60

12.70

12.80

Time-->





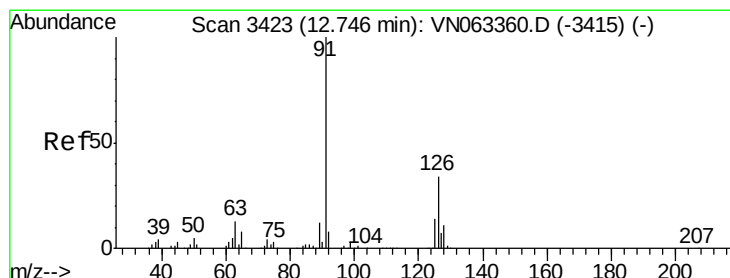
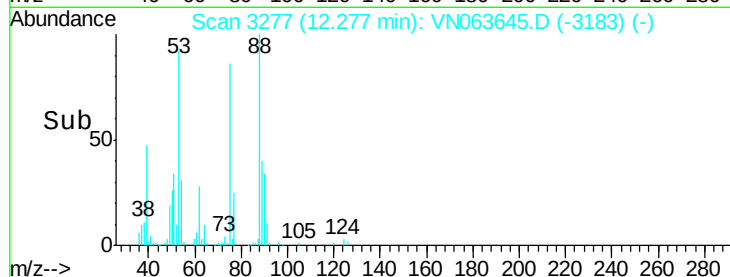
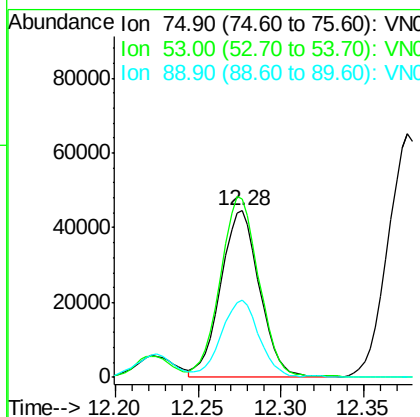
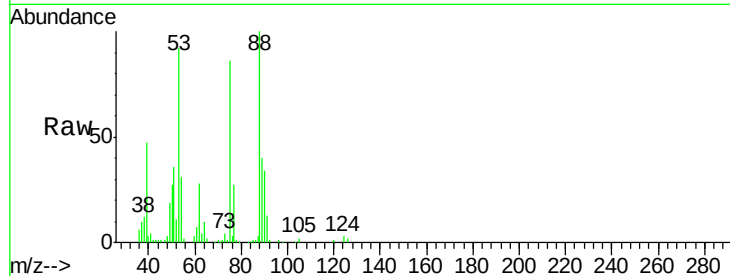
#81
trans-1,4-Dichloro-2-butene
Concen: 43.735 ug/l
RT: 12.28 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.9	85.7	128.5
89	43.9	38.0	57.0

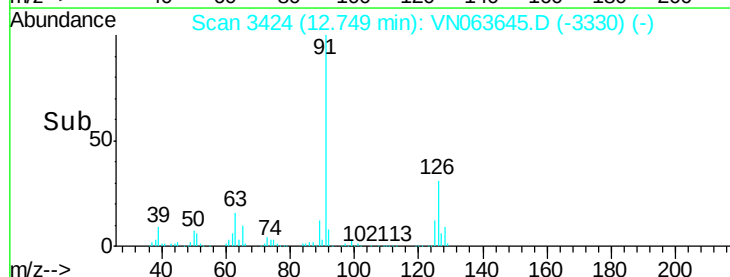
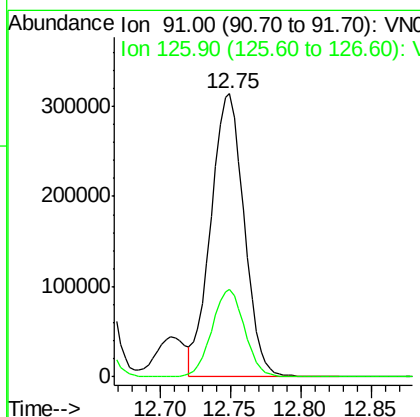
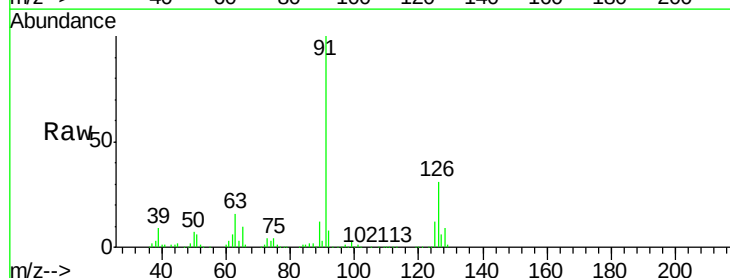
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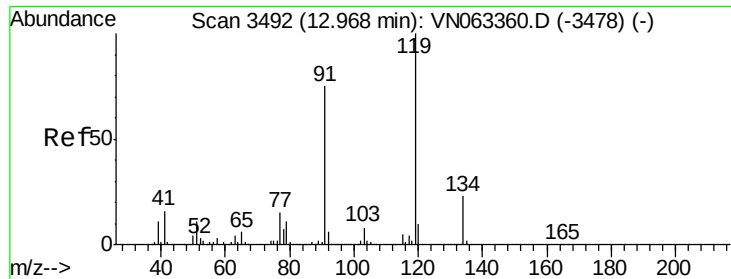
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#82
4-Chlorotoluene
Concen: 47.156 ug/l
RT: 12.75 min Scan# 3424
Delta R.T. 0.00 min
Lab File: VN063645.D
Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.5	46.5





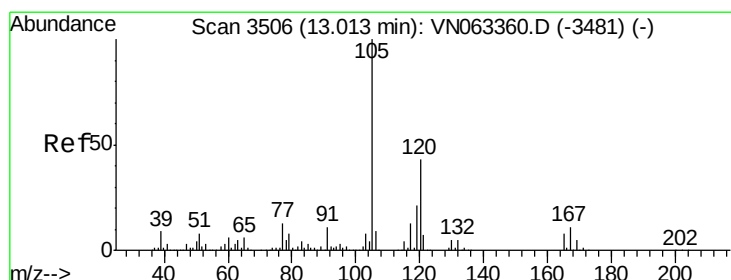
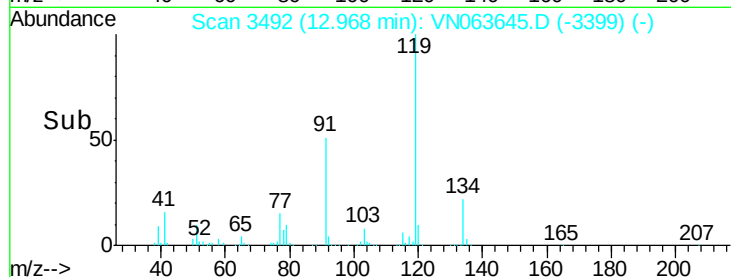
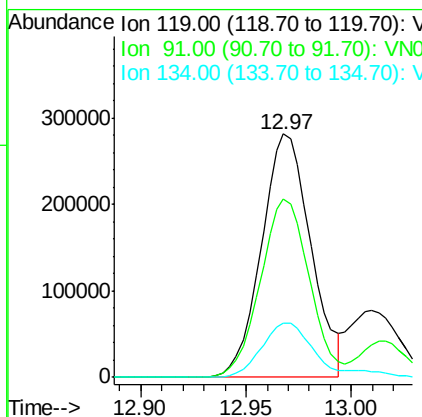
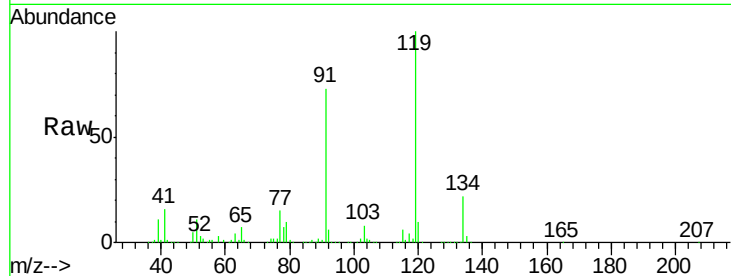
#83
 tert-Butylbenzene
 Concen: 45.347 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.7	36.3	108.9
134	24.7	12.3	36.8

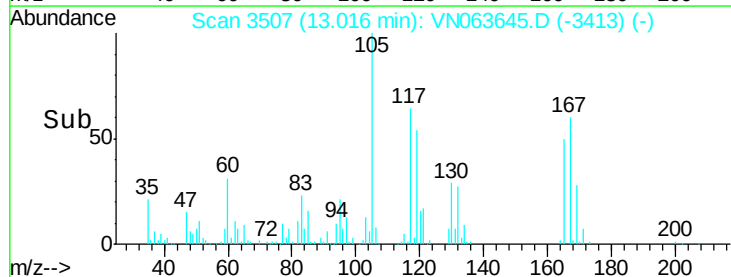
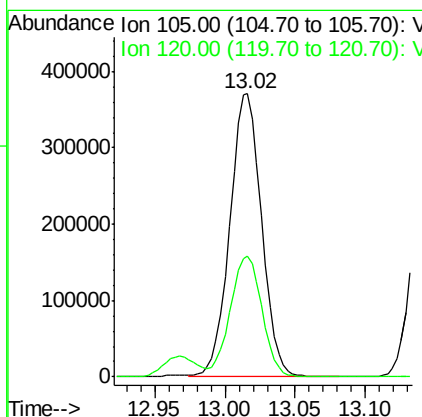
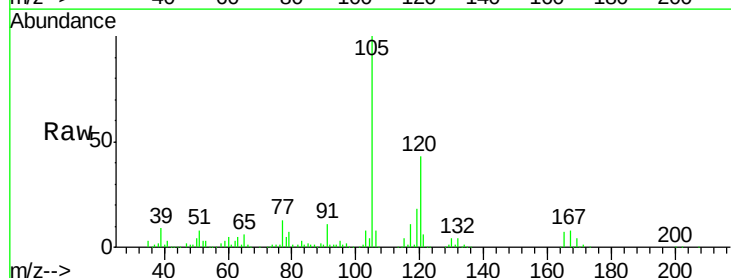
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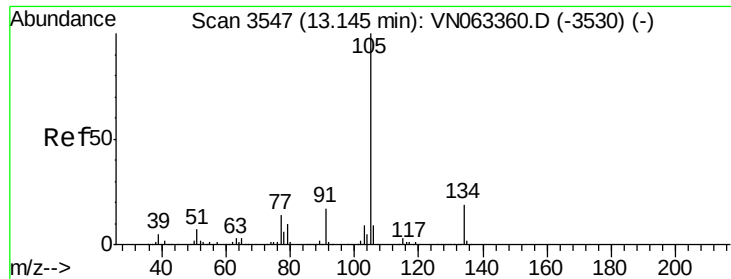
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#84
 1,2,4-Trimethylbenzene
 Concen: 46.987 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.9	21.3	63.9





#85

sec-Butylbenzene

Concen: 45.608 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 618039

Ion Ratio Lower Upper

105 100

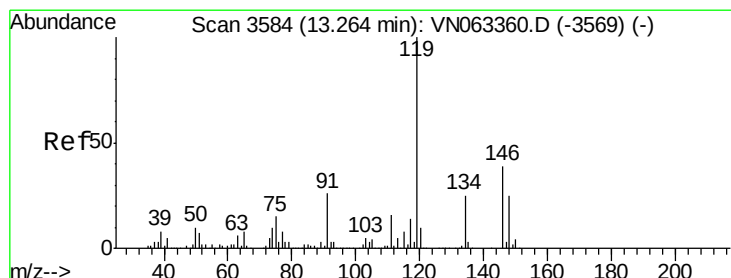
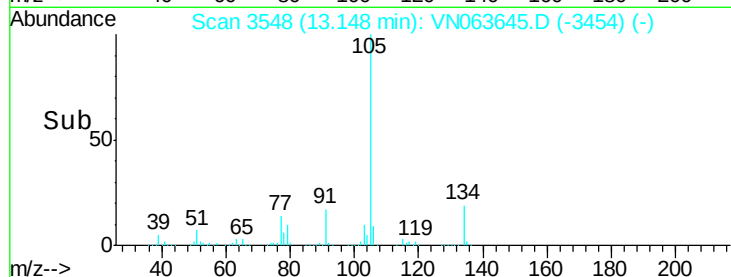
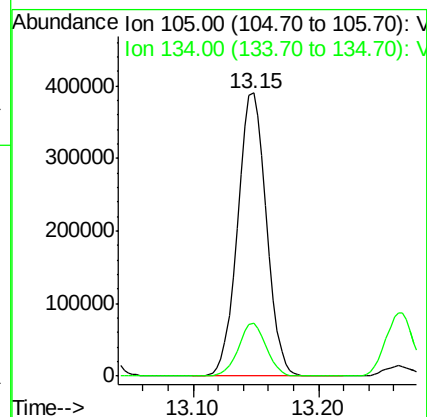
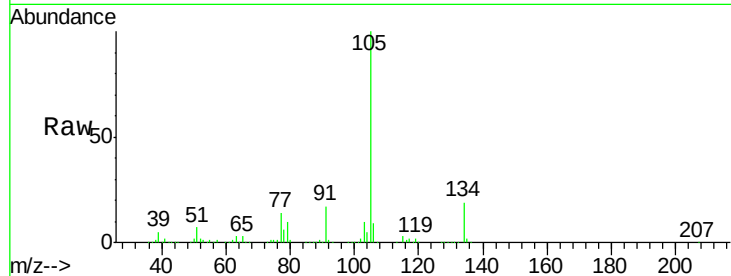
134 18.3 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 45.992 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

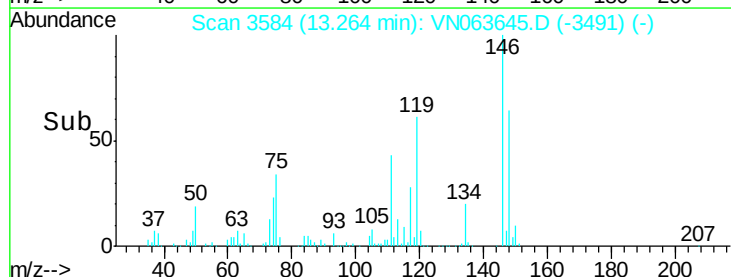
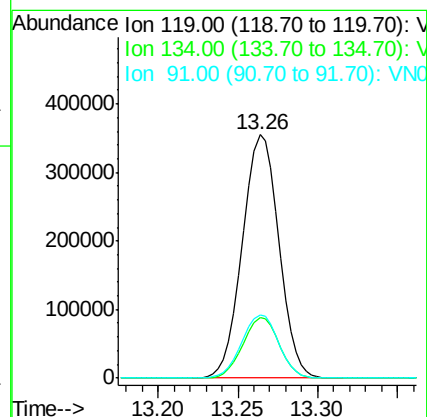
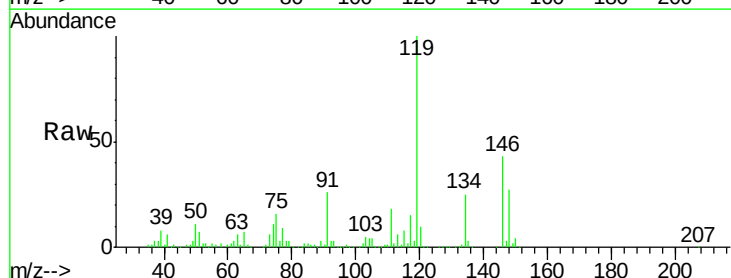
Tgt Ion:119 Resp: 549703

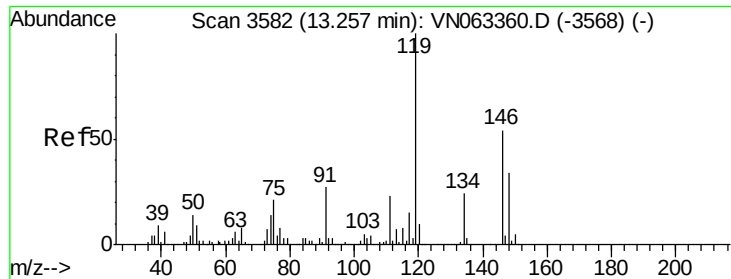
Ion Ratio Lower Upper

119 100

134 24.9 12.5 37.5

91 26.3 13.4 40.1





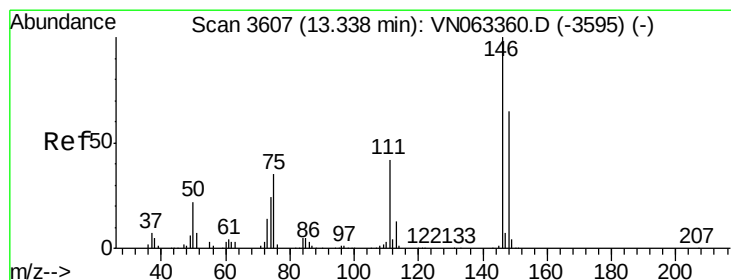
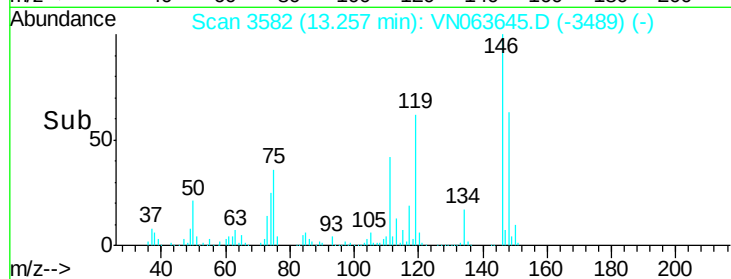
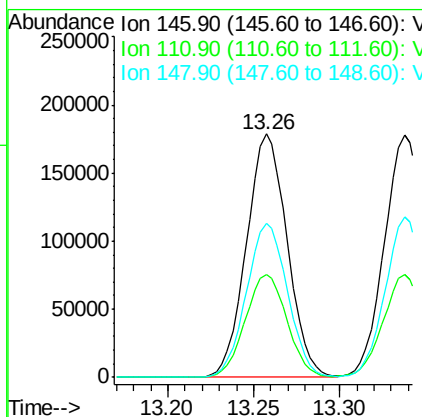
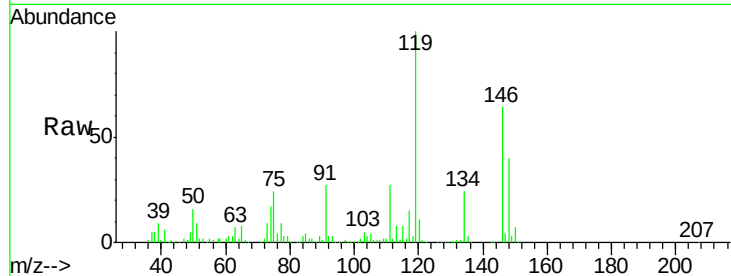
#87
 1,3-Dichlorobenzene
 Concen: 47.873 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	293597		
111	43.2	21.4	64.3	
148	63.7	31.9	95.7	

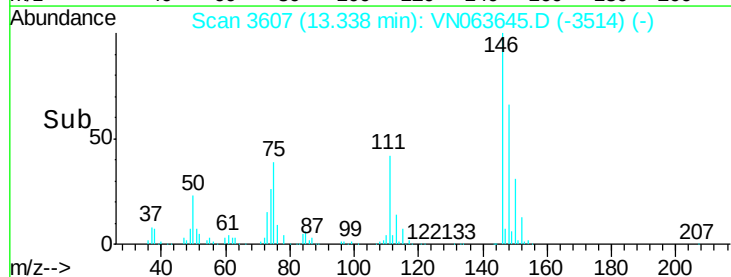
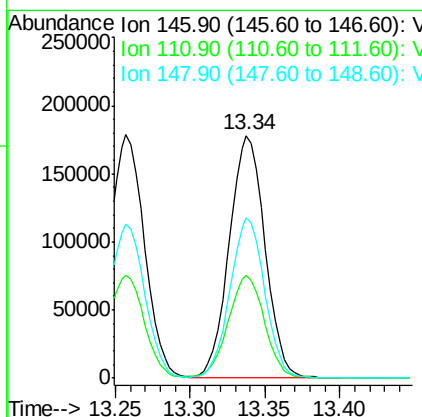
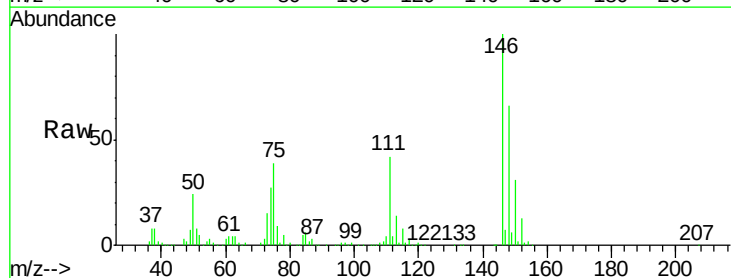
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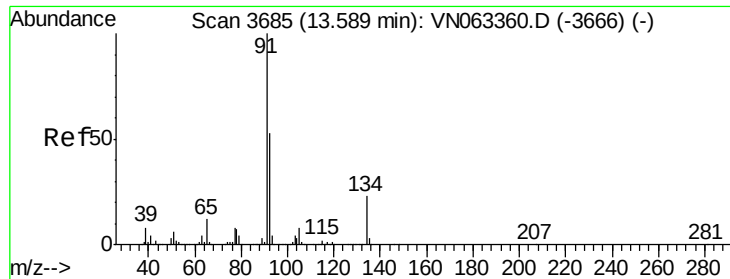
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#88
 1,4-Dichlorobenzene
 Concen: 47.306 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	294962		
111	42.9	21.2	63.6	
148	64.5	31.9	95.9	





#89

n-Butylbenzene

Concen: 43.952 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

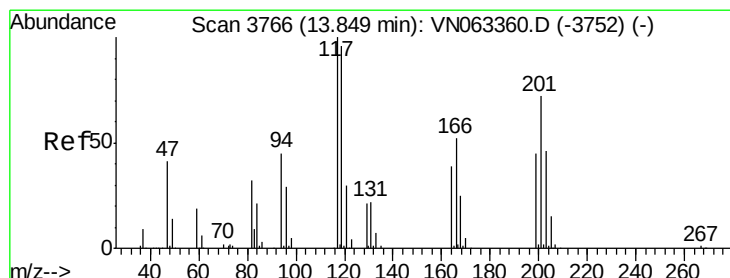
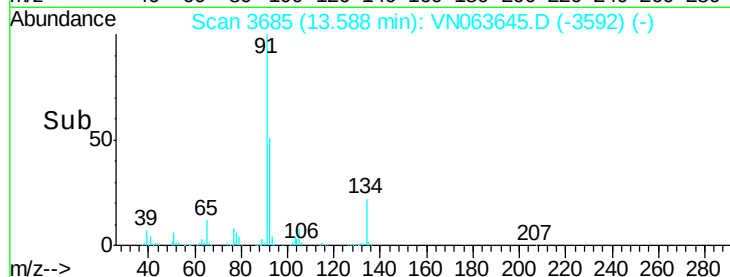
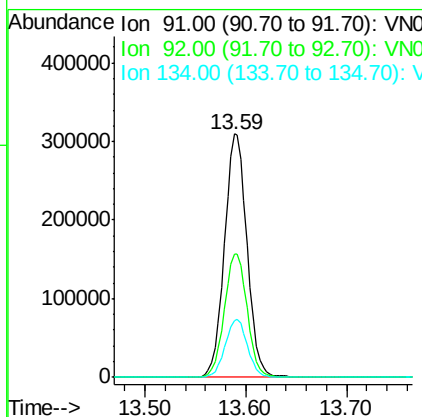
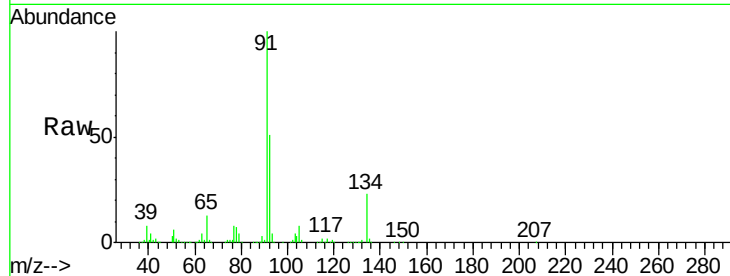
ClientSampleId :

VSTDCCC050EC

Tot Ion:	91	Resp:	484218
Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.0	78.0
134	23.5	11.7	35.0

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#90

Hexachloroethane

Concen: 43.558 ug/l

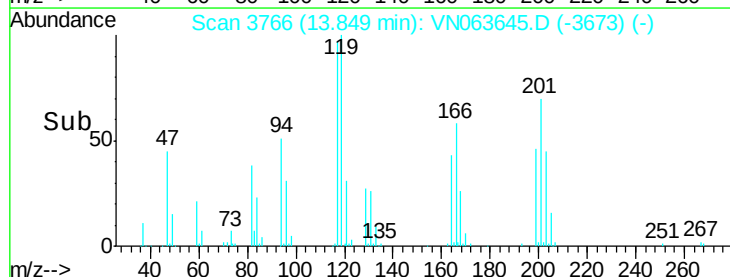
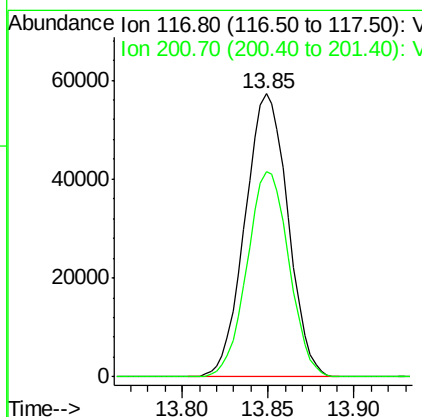
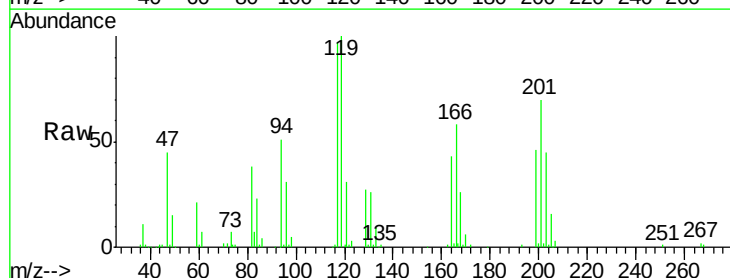
RT: 13.85 min Scan# 3766

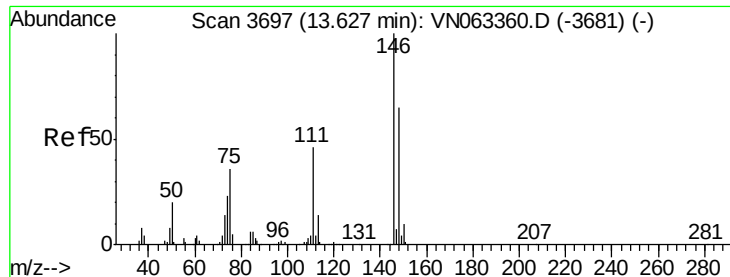
Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion:	117	Resp:	99133
Ion	Ratio	Lower	Upper
117	100		
201	70.8	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 49.260 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

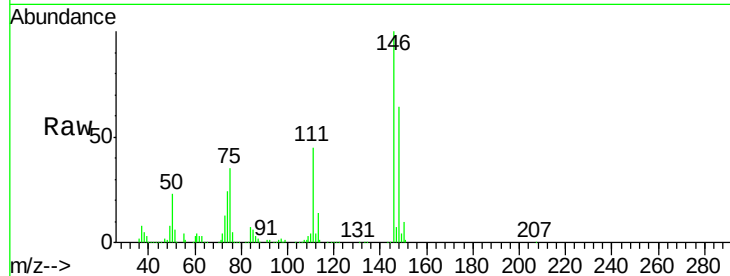
ClientSampleId :

VSTDCCC050EC

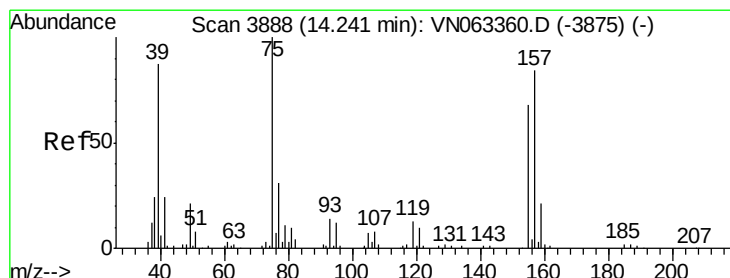
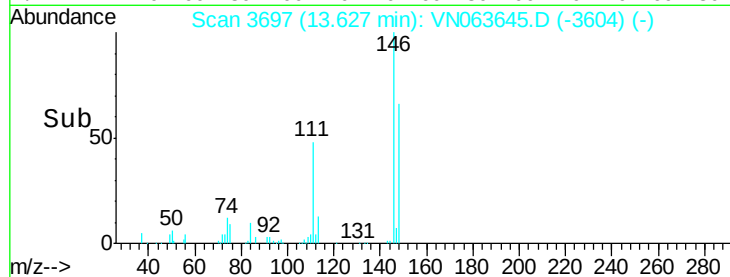
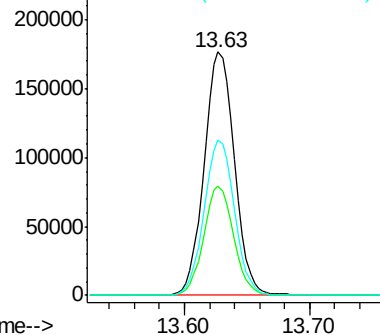
Tot Ion:	146	Resp:	296596
Ion Ratio	Lower	Upper	
146	100		
111	44.0	22.4	67.2
148	63.7	32.0	96.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 44.845 ug/l

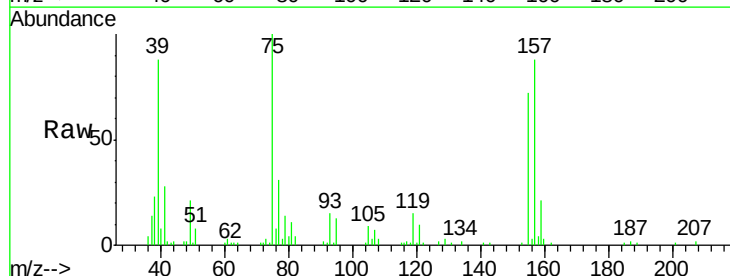
RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

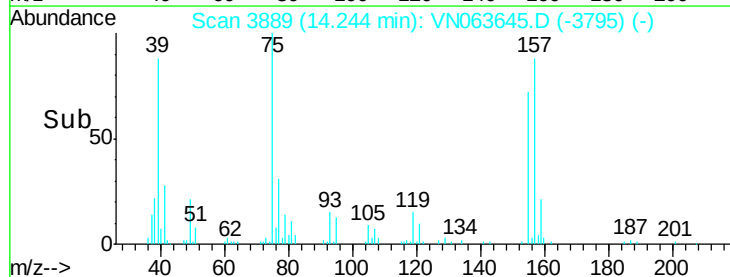
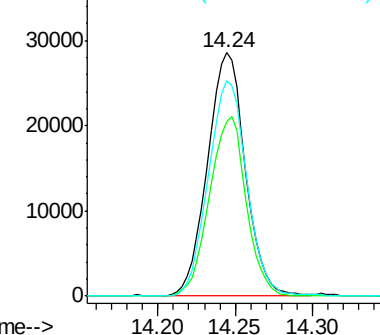
Lab File: VN063645.D

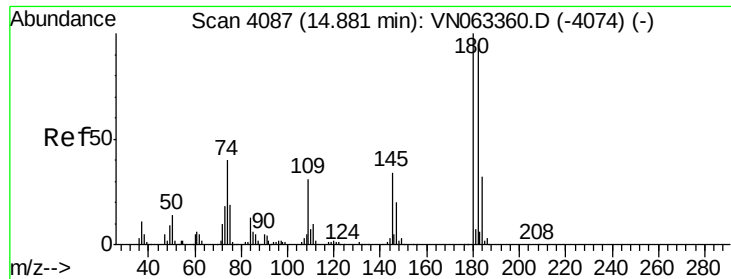
Acq: 24 Sep 2020 21:51

Tgt Ion:	75	Resp:	48637
Ion Ratio	Lower	Upper	
75	100		
155	71.3	34.6	103.9
157	89.8	43.7	131.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





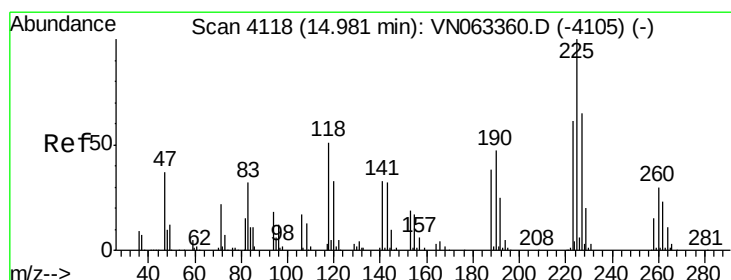
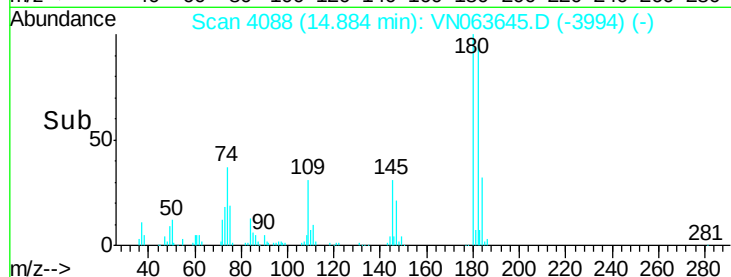
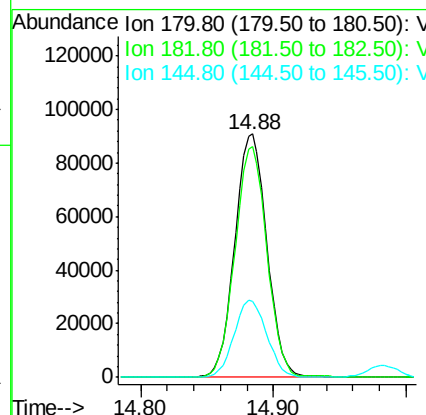
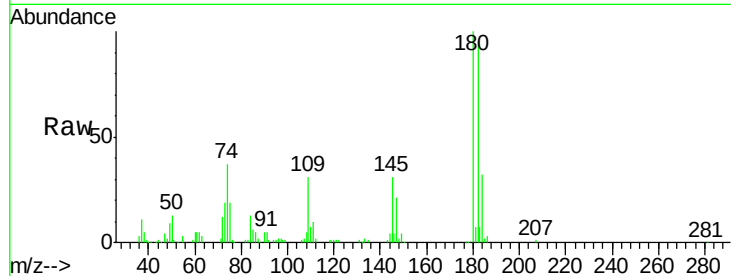
#93
 1,2,4-Trichlorobenzene
 Concen: 43.025 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152723		
182	94.2	47.3	142.0	
145	32.3	16.6	49.7	

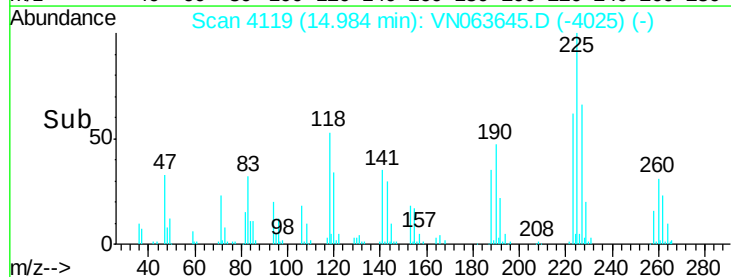
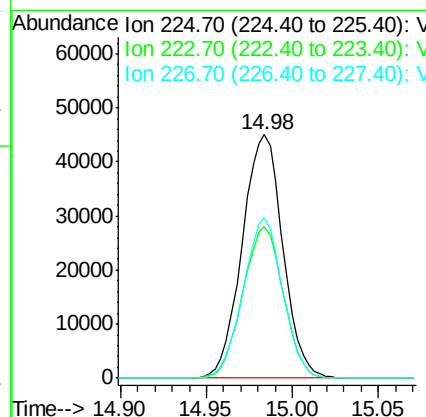
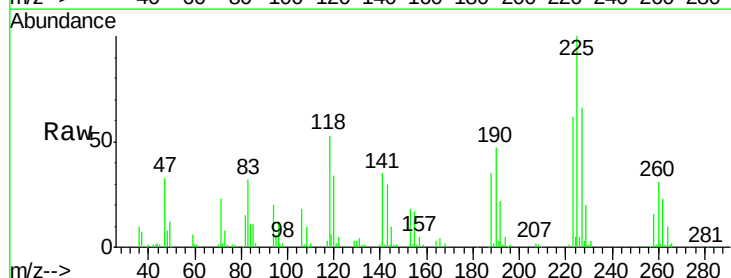
Manual Integrations
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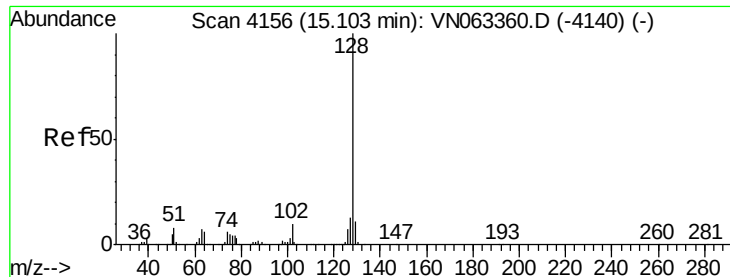
MMDadoda
 9/28/2020 5:17:18 PM



#94
 Hexachlorobutadiene
 Concen: 50.148 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063645.D
 Acq: 24 Sep 2020 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73693		
223	62.0	30.6	91.6	
227	63.8	31.2	93.6	





#95

Naphthalene

Concen: 43.274 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Instrument :

MSVOA_N

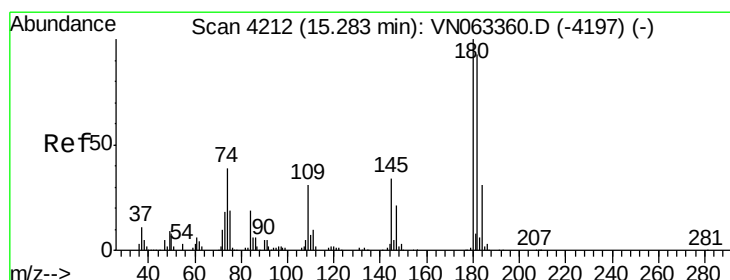
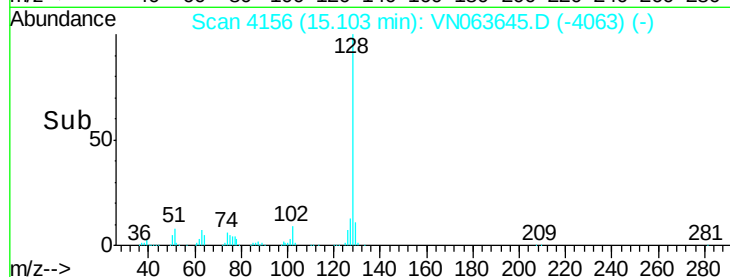
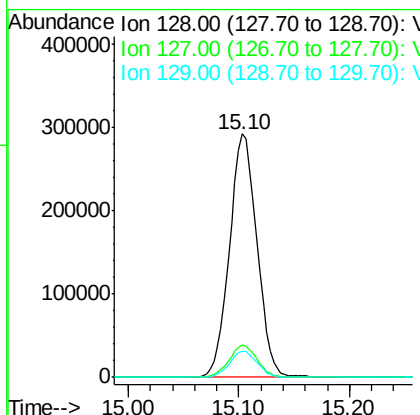
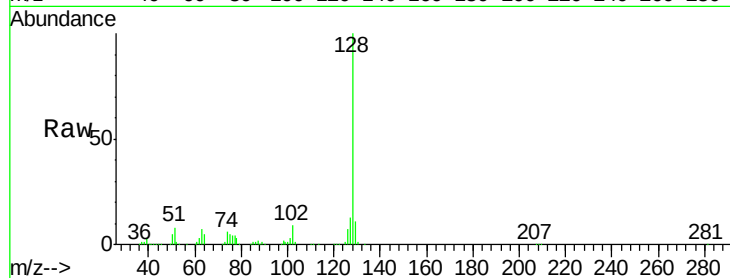
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	507488
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/28/2020 5:17:18 PM



#96

1,2,3-Trichlorobenzene

Concen: 44.398 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063645.D

Acq: 24 Sep 2020 21:51

Tgt Ion:	180	Resp:	152271
Ion Ratio	Lower	Upper	
180	100		
182	93.8	46.7	140.1
145	33.7	16.8	50.3

