

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100720\
 Data File : VD067181.D
 Acq On : 08 Oct 2020 05:43
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/8/2020 5:39:40 PM

Quant Time: Oct 08 09:09:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	314979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	500975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	478213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	235584	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	158131	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	7.91	113	169385	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.34	98	604225	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.64	95	215104	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135122	53.650	ug/l	93
3) Chloromethane	2.21	50	107027	42.667	ug/l	90
4) Vinyl Chloride	2.35	62	110103	43.775	ug/l	98
5) Bromomethane	2.77	94	90704	56.512	ug/l	93
6) Chloroethane	2.92	64	71999	47.005	ug/l	90
7) Trichlorofluoromethane	3.27	101	259040	46.355	ug/l	96
8) Diethyl Ether	3.70	74	70409	50.810	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	134144	42.471	ug/l	95
10) Methyl Iodide	4.30	142	145238	47.324	ug/l	97
11) Tert butyl alcohol	5.22	59	44915	253.240	ug/l	97
12) 1,1-Dichloroethene	4.07	96	135542	45.649	ug/l	96
13) Acrolein	3.92	56	43680	215.017	ug/l	93
14) Allyl chloride	4.71	41	167518	43.429	ug/l	90
15) Acrylonitrile	5.43	53	122756	240.691	ug/l	99
16) Acetone	4.16	43	105045	226.820	ug/l	98
17) Carbon Disulfide	4.41	76	402764	44.200	ug/l	98
18) Methyl Acetate	4.71	43	63097	54.208	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	297713	54.925	ug/l	96
20) Methylene Chloride	4.96	84	181078	55.967	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	168994	50.012	ug/l	95
22) Diisopropyl ether	6.36	45	339710	48.240	ug/l	98
23) Vinyl Acetate	6.30	43	963224	241.382	ug/l	96
24) 1,1-Dichloroethane	6.27	63	265609	48.873	ug/l	97
25) 2-Butanone	7.21	43	149276	227.347	ug/l	92
26) 2,2-Dichloropropane	7.21	77	217773	46.579	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	189785	52.588	ug/l	95
28) Bromochloromethane	7.54	49	104879	49.971	ug/l	87
29) Tetrahydrofuran	7.56	42	89693	237.573	ug/l	93
30) Chloroform	7.71	83	313487	53.174	ug/l	99
31) Cyclohexane	7.99	56	172861	37.939	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	282316	51.671	ug/l	98
36) 1,1-Dichloropropene	8.11	75	213691	45.762	ug/l	98
37) Ethyl Acetate	7.29	43	72077	44.555	ug/l	96
38) Carbon Tetrachloride	8.10	117	258852	51.233	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	214204	43.388	ug/l	94
40) Benzene	8.35	78	638957	49.263	ug/l	99
41) Methacrylonitrile	7.53	41	41861	47.899	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	194524	53.672	ug/l	96
43) Isopropyl Acetate	8.45	43	136219	45.709	ug/l	95
44) Trichloroethene	9.11	130	196383	50.705	ug/l	98
45) 1,2-Dichloropropane	9.38	63	151175	49.606	ug/l	100
46) Dibromomethane	9.48	93	91038	51.976	ug/l	95
47) Bromodichloromethane	9.66	83	241541	53.050	ug/l #	97
48) Methyl methacrylate	9.46	41	70168	45.959	ug/l #	79
49) 1,4-Dioxane	9.46	88	18452	1009.375	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	364400	245.486	ug/l	99
52) Toluene	10.40	92	444660	53.221	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	212815	52.299	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	250553	50.424	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	124650	51.187	ug/l	90
56) Ethyl methacrylate	10.66	69	140788	55.998	ug/l	97
57) 1,3-Dichloropropane	10.95	76	208320	52.754	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	367250	262.442	ug/l	93
59) 2-Hexanone	10.98	43	246275	248.574	ug/l	95
60) Dibromochloromethane	11.14	129	179554	55.321	ug/l	96
61) 1,2-Dibromoethane	11.25	107	125263	53.542	ug/l	98
64) Tetrachloroethene	10.87	164	174093	50.075	ug/l	92
65) Chlorobenzene	11.67	112	475130	49.956	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	189262	52.313	ug/l	98
67) Ethyl Benzene	11.74	91	829262	50.887	ug/l	99
68) m/p-Xylenes	11.86	106	638428	100.526	ug/l	98
69) o-Xylene	12.18	106	298963	52.641	ug/l	97
70) Styrene	12.20	104	516566	52.969	ug/l	99
71) Bromoform	12.36	173	105085	55.957	ug/l #	97
73) Isopropylbenzene	12.48	105	812788	50.810	ug/l	99
74) N-amyl acetate	12.29	43	128742	44.770	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	127575	47.335	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	73956m	36.041	ug/l	
77) Bromobenzene	12.77	156	199390	51.621	ug/l	95
78) n-propylbenzene	12.83	91	915078	48.404	ug/l	98
79) 2-Chlorotoluene	12.91	91	542332	50.140	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	701161	51.880	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	37012	44.968	ug/l	99
82) 4-Chlorotoluene	13.01	91	579704	50.373	ug/l	100
83) tert-Butylbenzene	13.23	119	584275	51.337	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	700370	51.927	ug/l	98
85) sec-Butylbenzene	13.41	105	784740	48.962	ug/l	99
86) p-Isopropyltoluene	13.52	119	731939	49.258	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	374062	49.719	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	373128	49.600	ug/l	99
89) n-Butylbenzene	13.85	91	640985	47.201	ug/l	100
90) Hexachloroethane	14.12	117	126271	48.513	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	330318	50.272	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21419	49.301	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	230048	54.128	ug/l	99
94) Hexachlorobutadiene	15.28	225	126825	48.589	ug/l	98
95) Naphthalene	15.41	128	394806	55.693	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	200612	54.374	ug/l	98

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

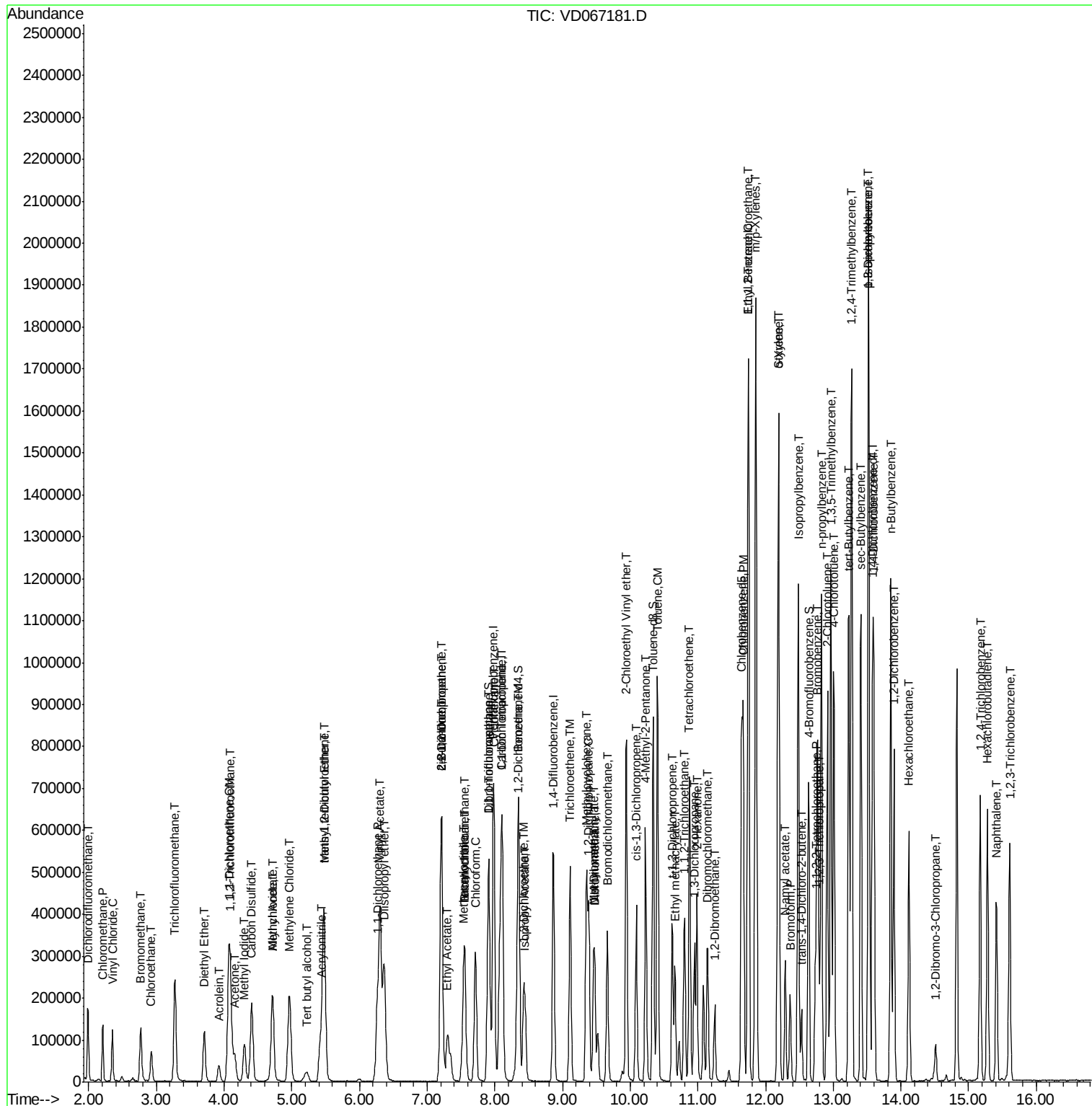
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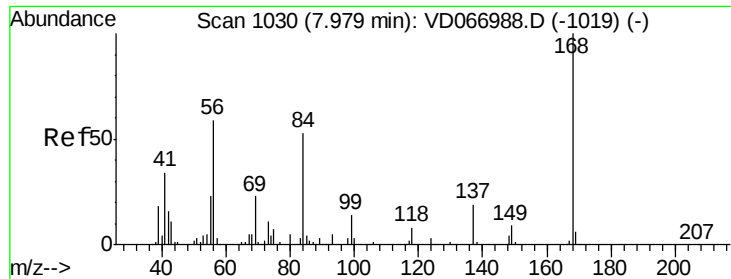
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 314979

Ion Ratio Lower Upper

168 100

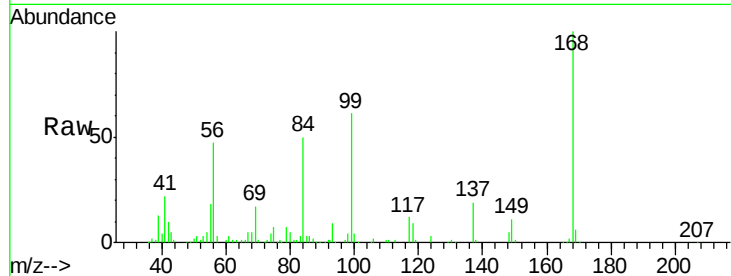
99 60.5 44.1 66.1

Manual Integrations

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10/8/2020 5:39:40 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

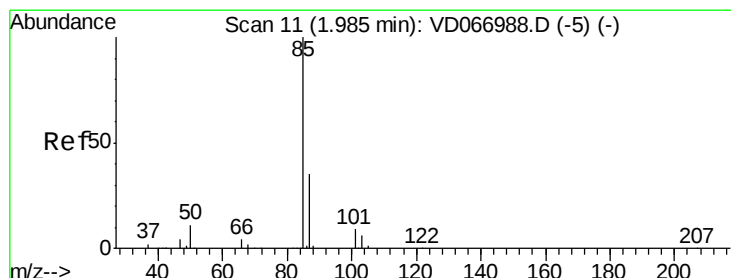
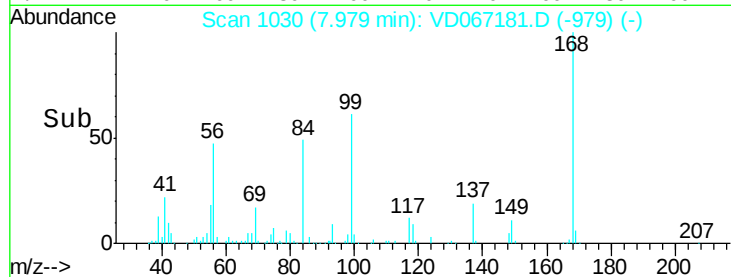
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 53.650 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067181.D

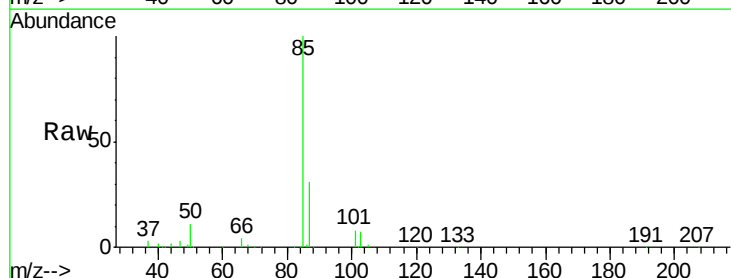
Acq: 08 Oct 2020 05:43

Tgt Ion: 85 Resp: 135122

Ion Ratio Lower Upper

85 100

87 30.8 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

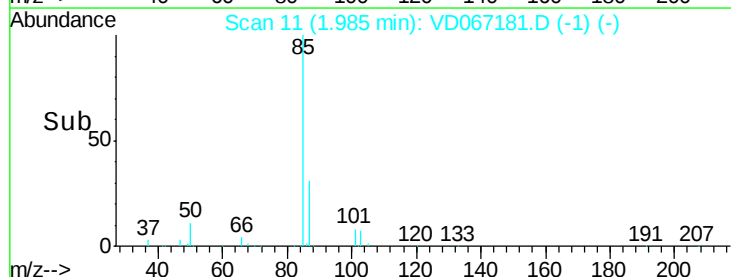
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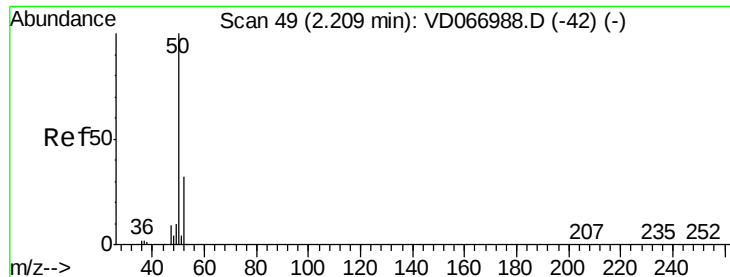
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 42.667 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 107027

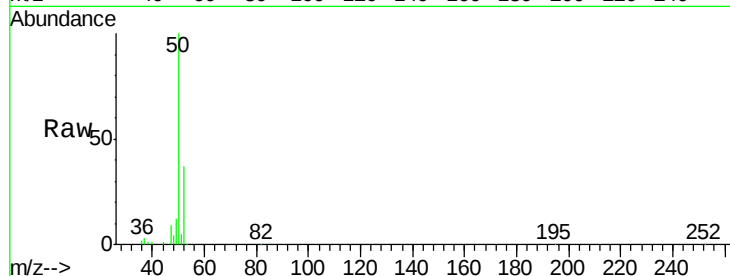
Ion Ratio Lower Upper

50 100

52 37.2 25.3 37.9

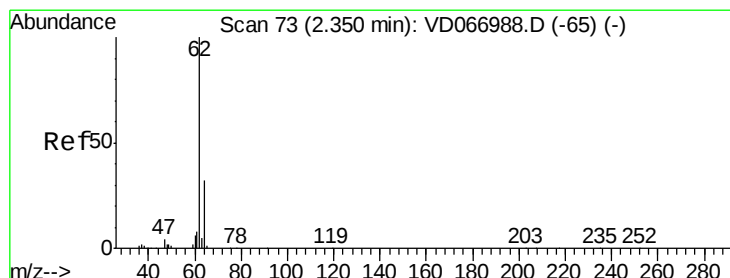
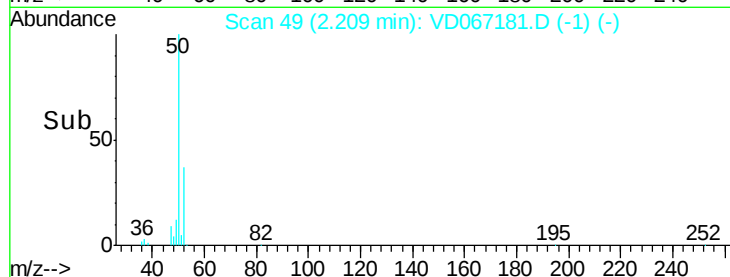
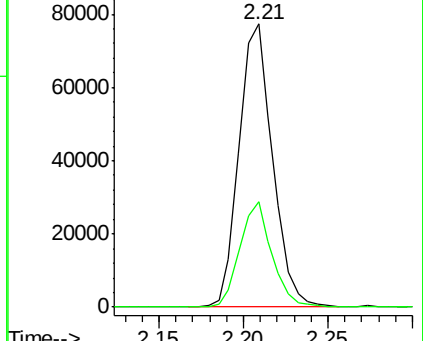
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.775 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067181.D

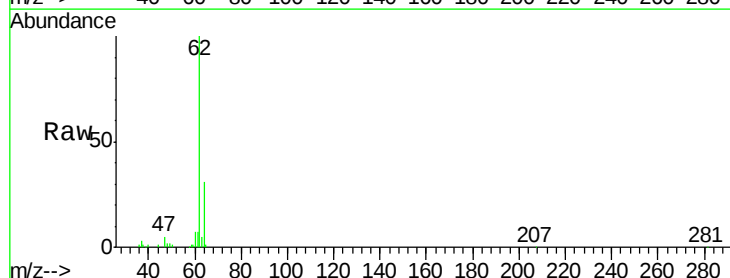
Acq: 08 Oct 2020 05:43

Tgt Ion: 62 Resp: 110103

Ion Ratio Lower Upper

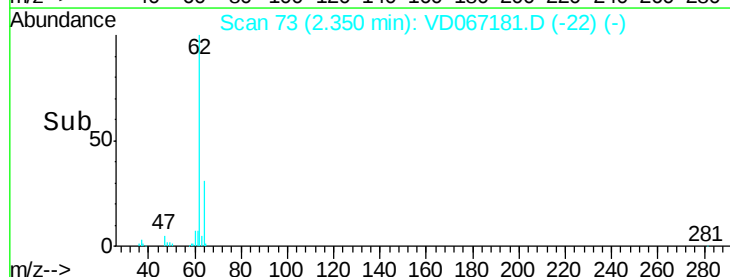
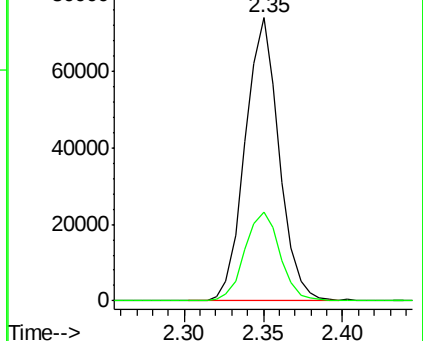
62 100

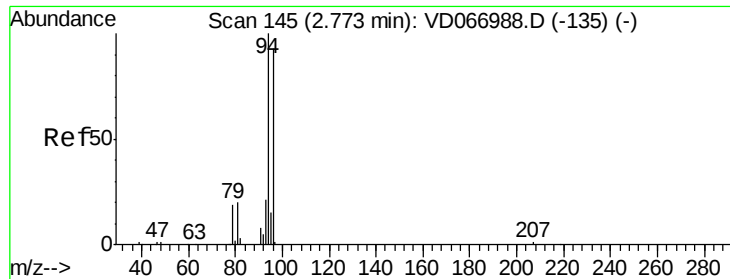
64 31.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 56.512 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 90704

Ion Ratio Lower Upper

94 100

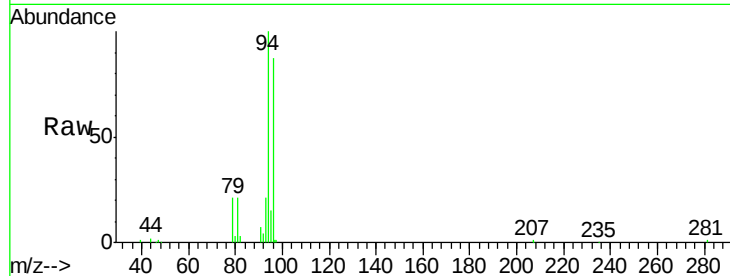
96 86.8 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

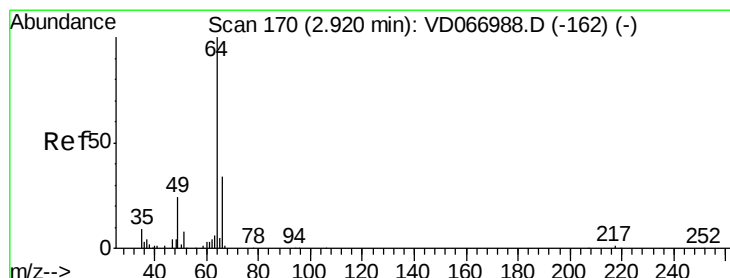
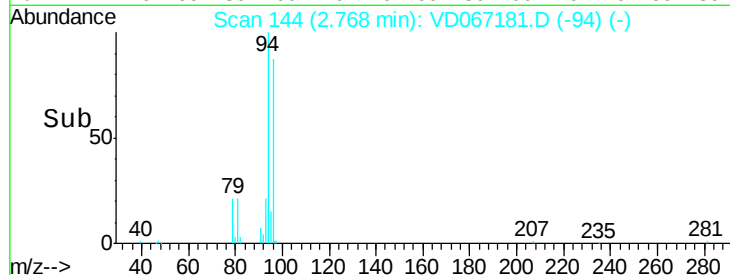
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20000

10000

0

Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 47.005 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067181.D

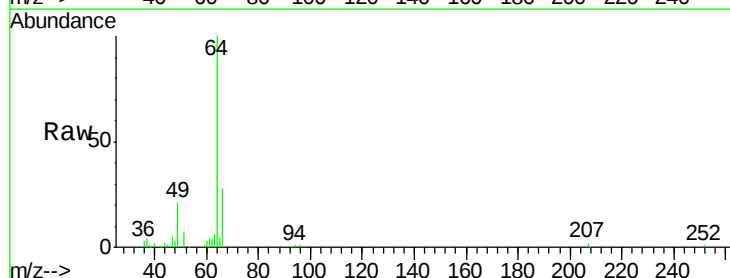
Acq: 08 Oct 2020 05:43

Tgt Ion: 64 Resp: 71999

Ion Ratio Lower Upper

64 100

66 28.1 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

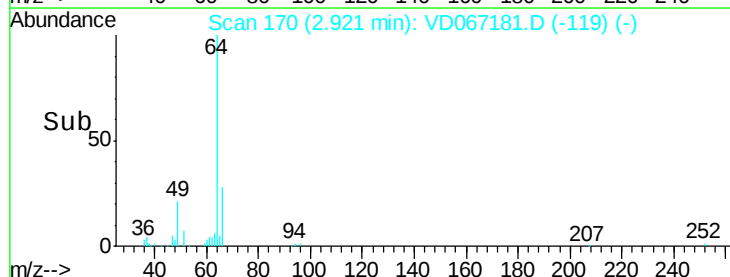
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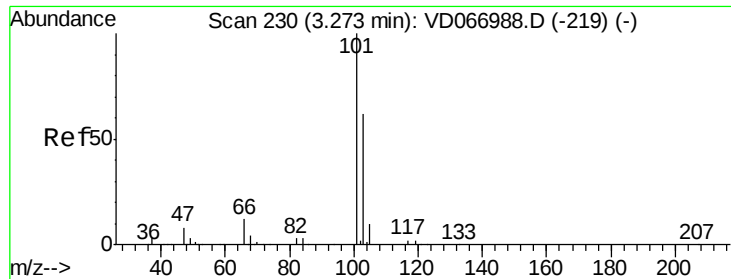
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10000

0

Time--> 2.80 2.90 3.00





#7

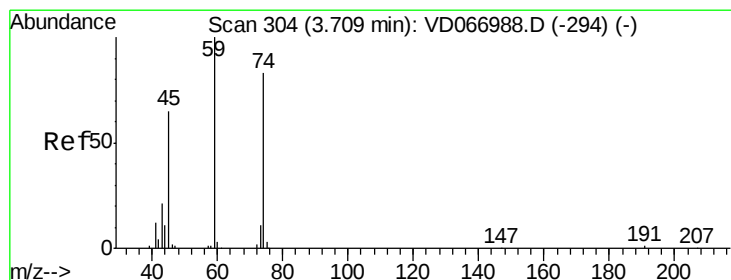
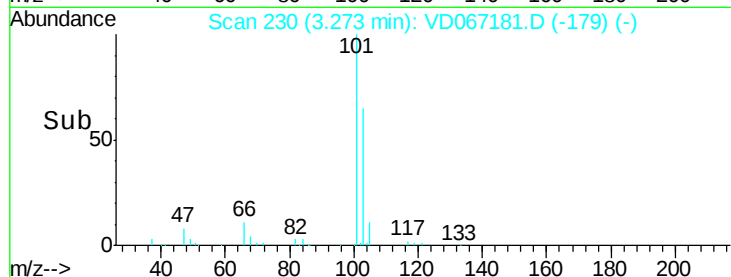
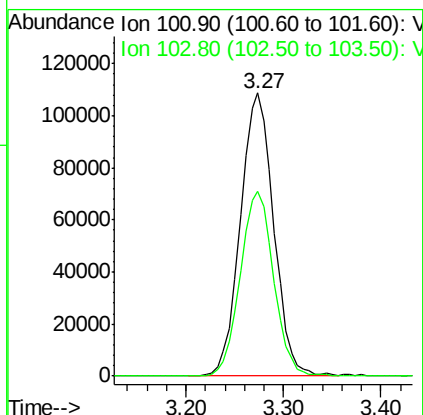
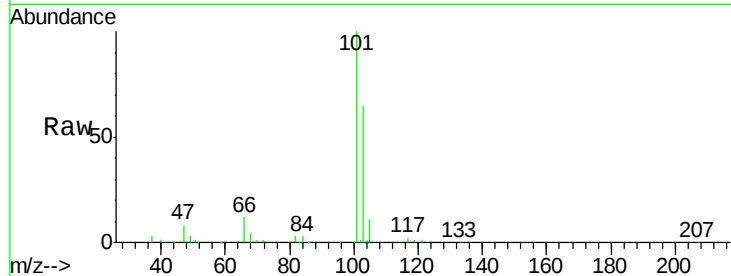
Trichlorofluoromethane
Concen: 46.355 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067181.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	49.8	74.8

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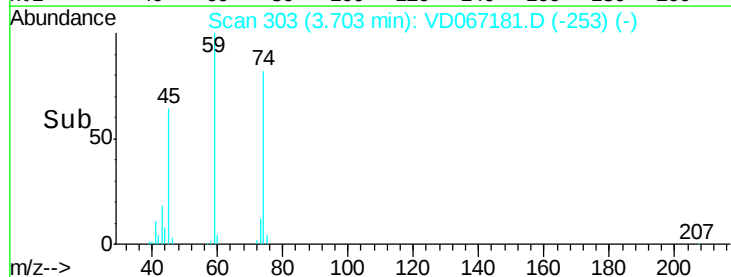
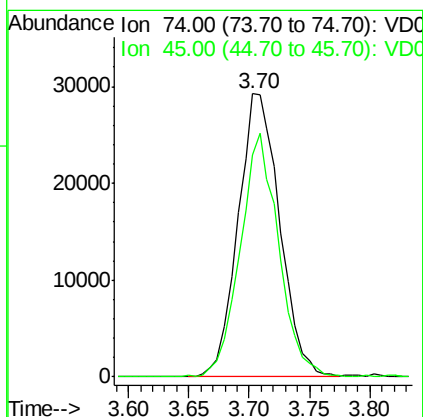
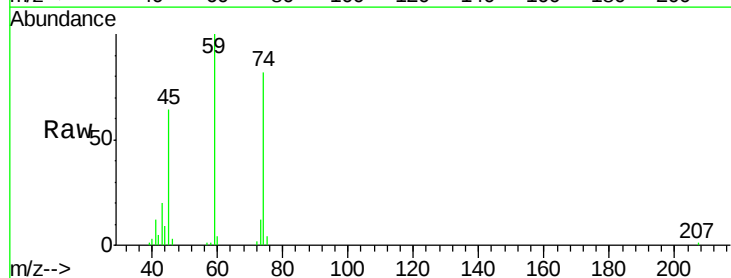
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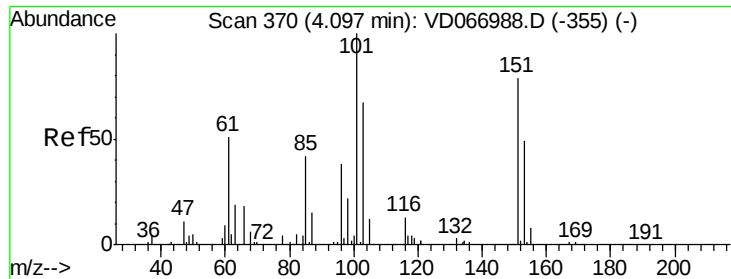


#8

Diethyl Ether
Concen: 50.810 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.7	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.471 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

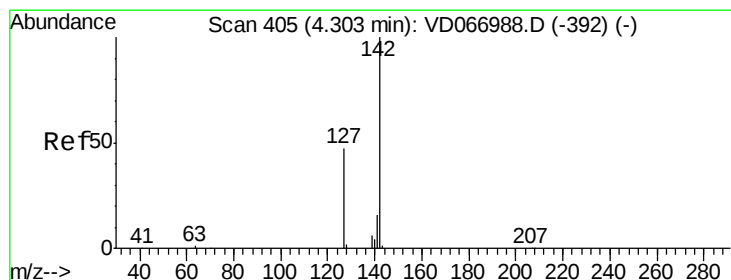
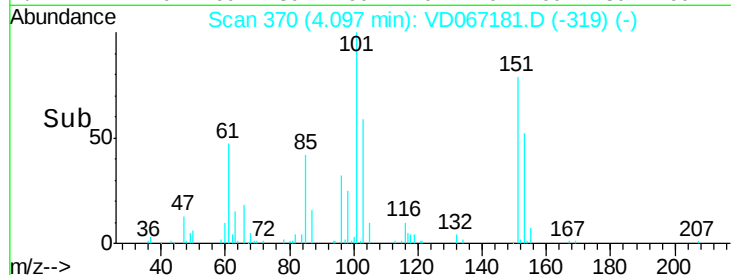
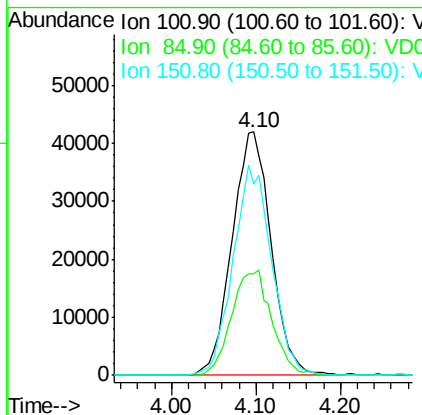
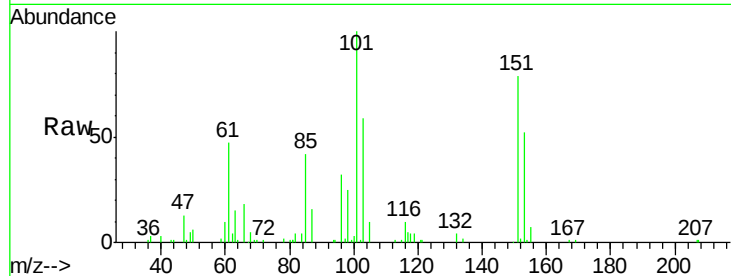
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	134144
Ion Ratio	Lower	Upper	
101	100		
85	44.2	33.8	50.8
151	85.1	63.8	95.8

Manual Integrations
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10/8/2020 5:39:40 PM



#10

Methyl Iodide

Concen: 47.324 ug/l

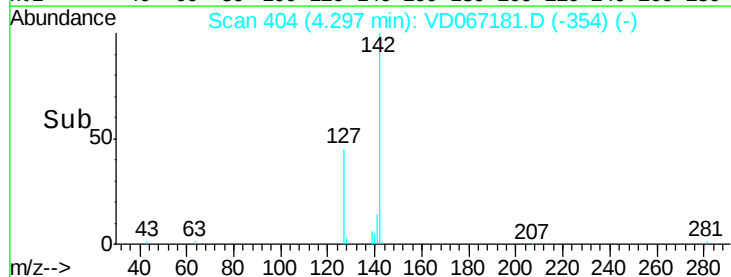
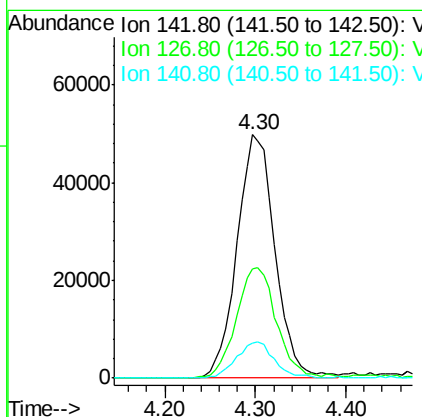
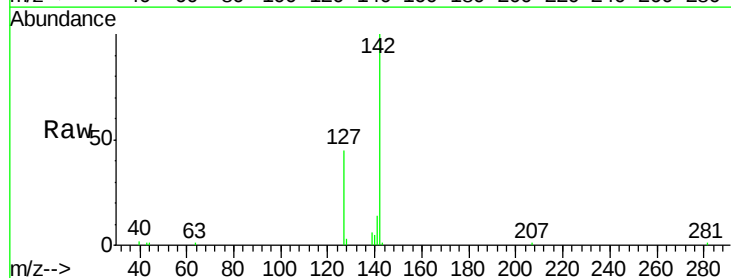
RT: 4.30 min Scan# 404

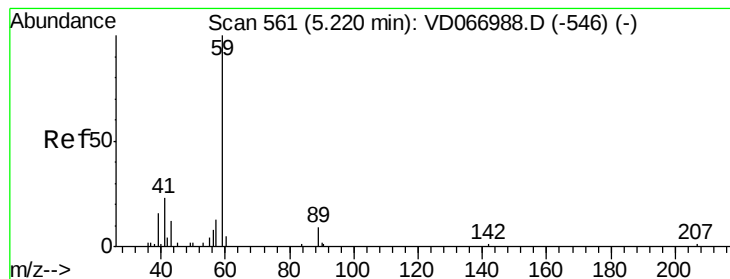
Delta R.T. -0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Tgt Ion:	142	Resp:	145238
Ion Ratio	Lower	Upper	
142	100		
127	47.6	36.3	54.5
141	14.8	12.0	18.0





#11

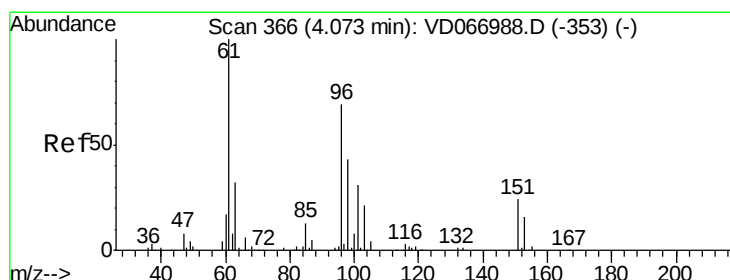
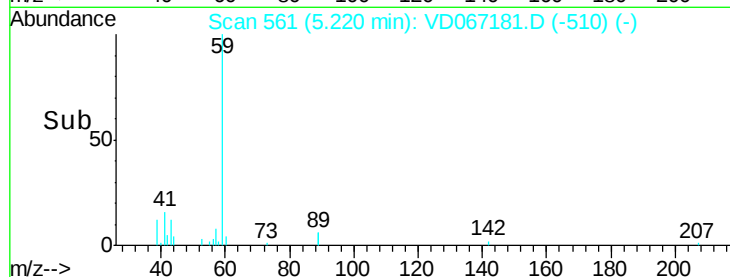
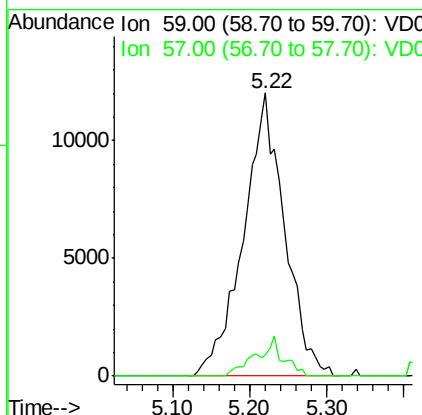
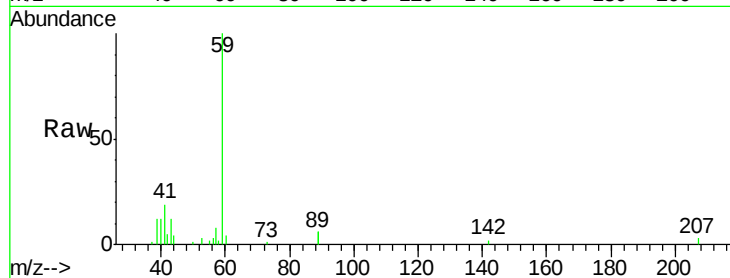
Tert butyl alcohol
 Concen: 253.240 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	8.2	12.4

Manual Integrations
 APPROVED

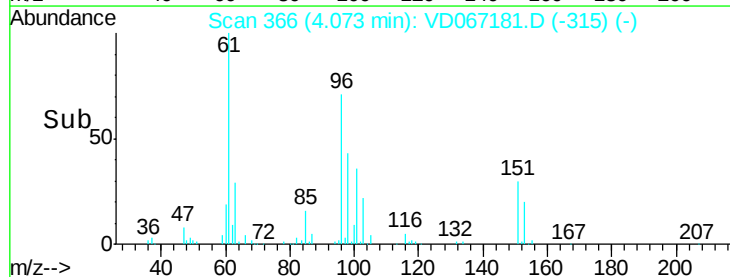
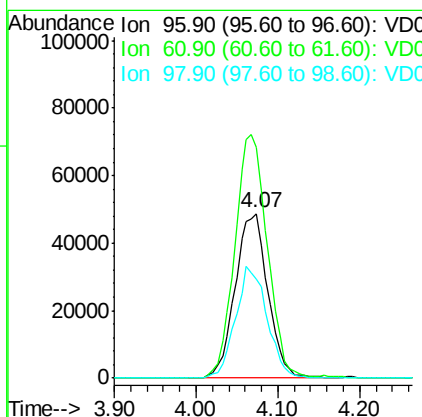
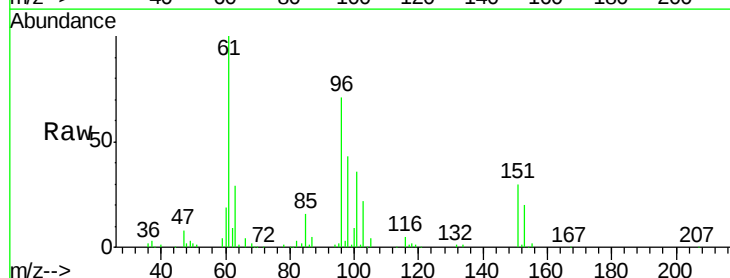
MMDadoda
 10/8/2020 5:39:40 PM

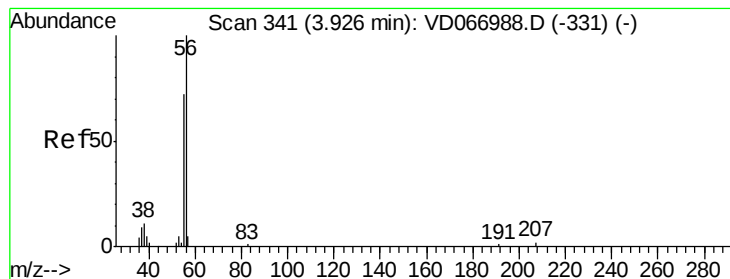


#12

1,1-Dichloroethene
 Concen: 45.649 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.00 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.0	116.4	174.6
98	60.3	49.9	74.9





#13

Acrolein

Concen: 215.017 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 43680

Ion Ratio Lower Upper

56 100

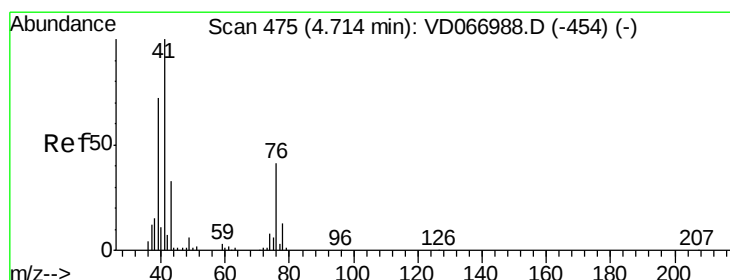
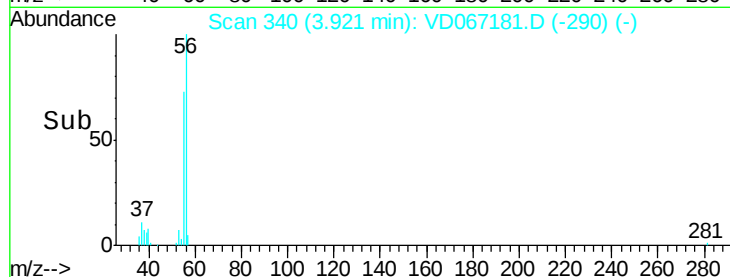
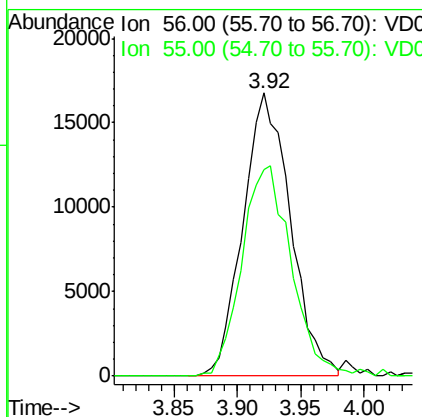
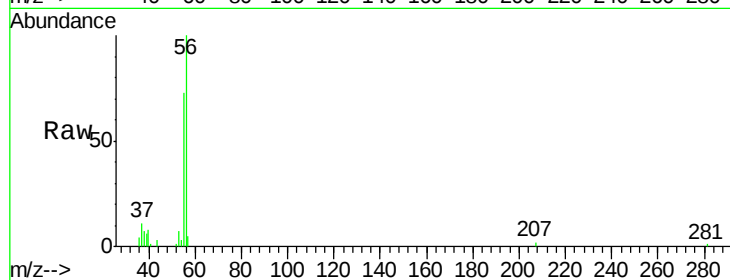
55 77.1 56.9 85.3

Manual Integrations

APPROVED

MMDadoda

10/8/2020 5:39:40 PM



#14

Allyl chloride

Concen: 43.429 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

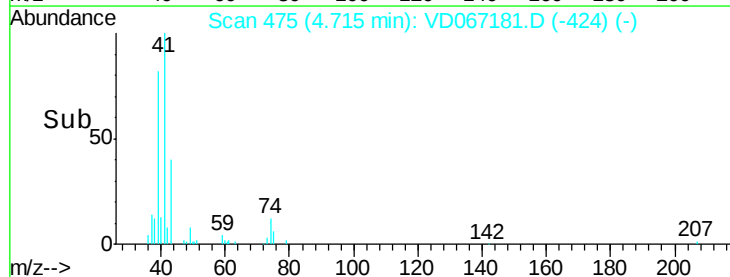
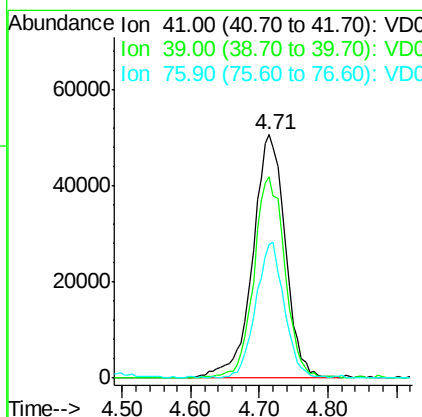
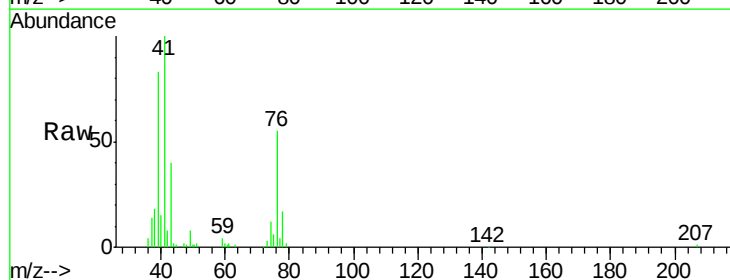
Tgt Ion: 41 Resp: 167518

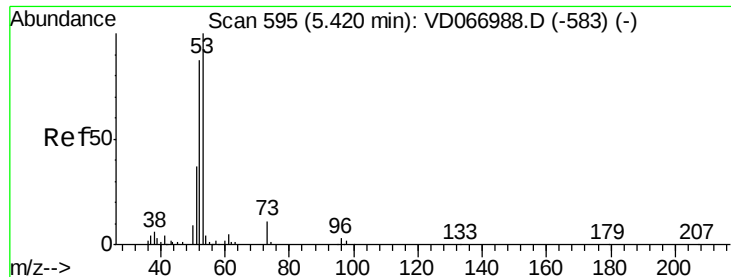
Ion Ratio Lower Upper

41 100

39 79.1 56.2 84.2

76 48.9 34.2 51.2





#15

Acrylonitrile

Concen: 240.691 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

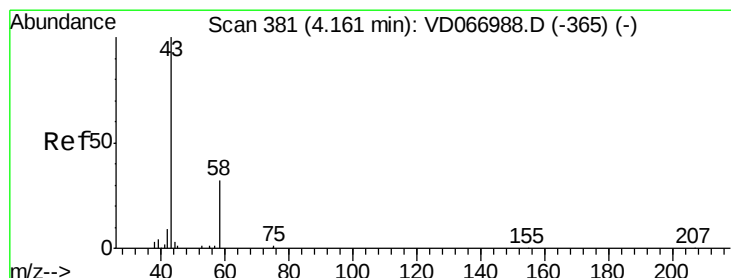
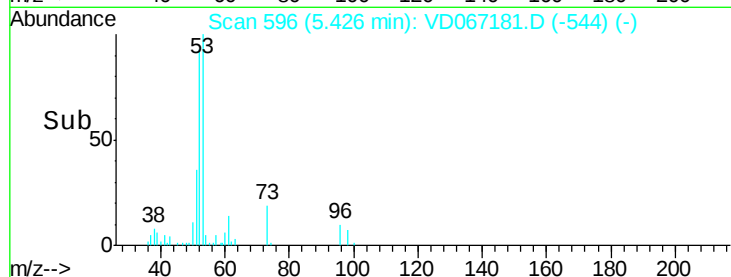
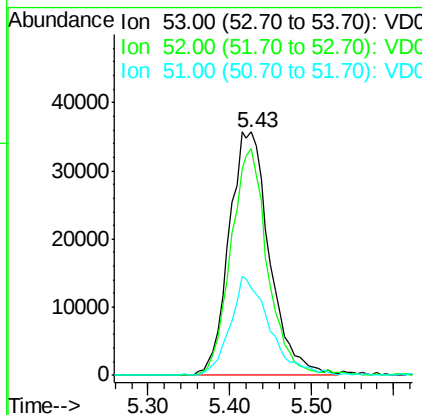
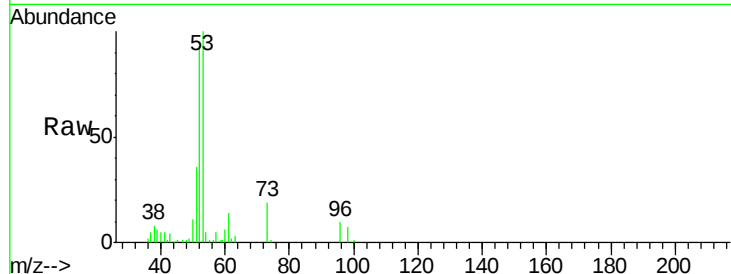
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	122756
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.3	100.9
51	39.5	30.2	45.2

Manual Integrations
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MMDadoda
10/8/2020 5:39:40 PM



#16

Acetone

Concen: 226.820 ug/l

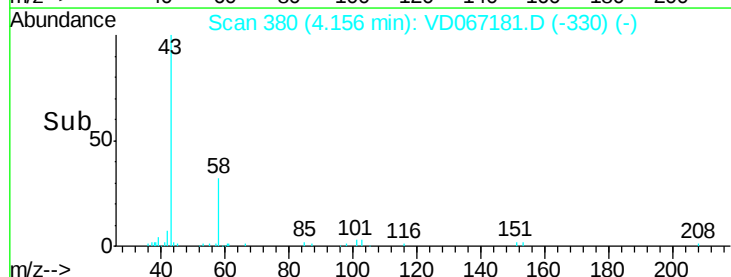
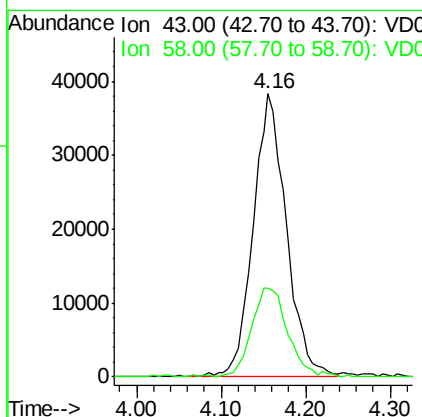
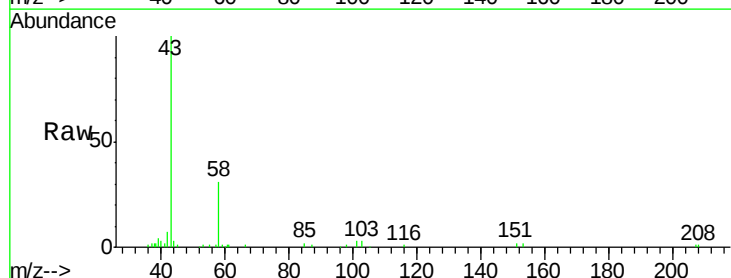
RT: 4.16 min Scan# 380

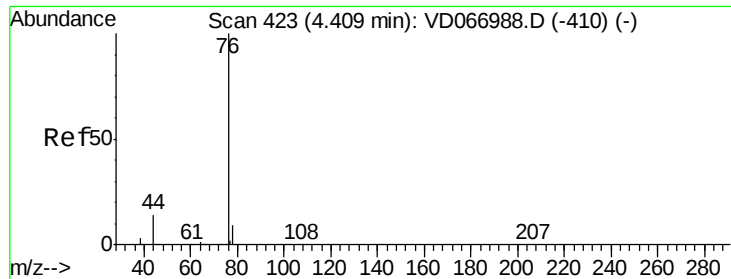
Delta R.T. -0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Tgt Ion:	43	Resp:	105045
Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.9	38.9





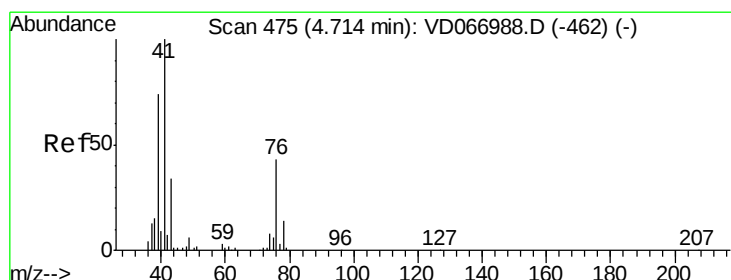
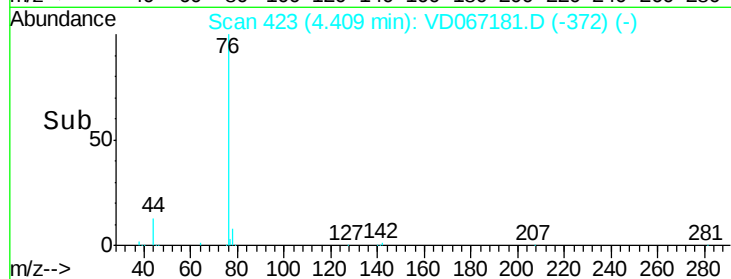
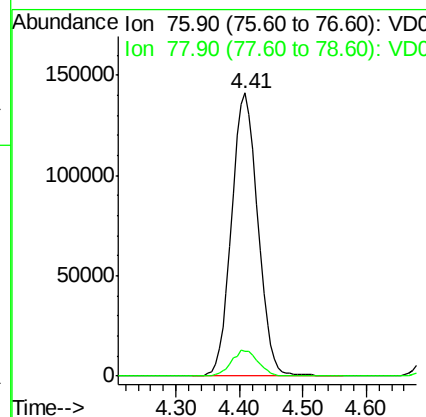
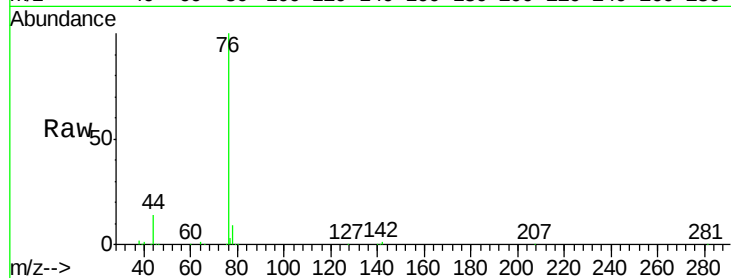
#17
Carbon Disulfide
Concen: 44.200 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.5	11.3

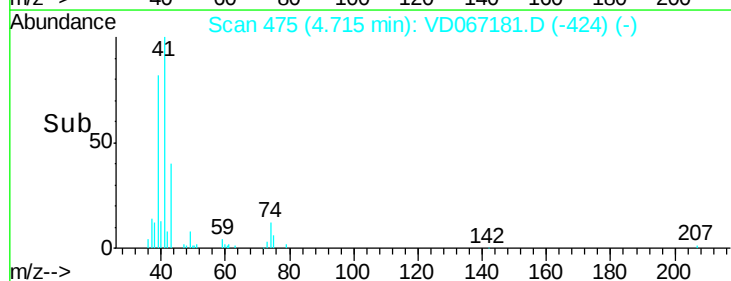
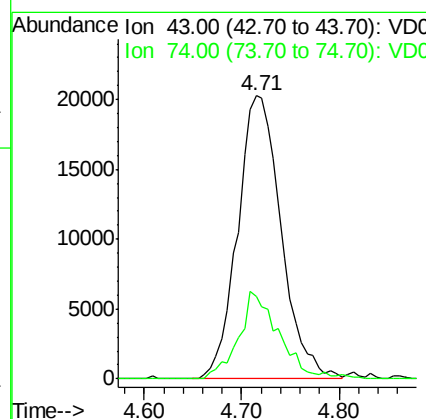
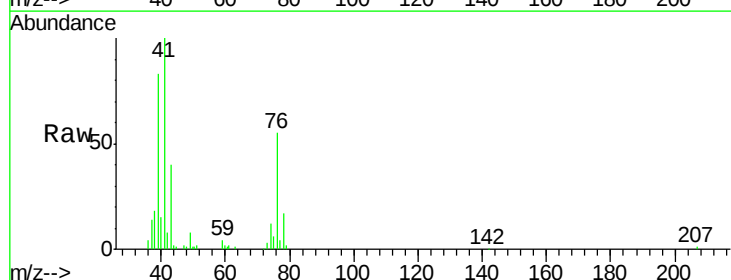
Manual Integrations
APPROVED

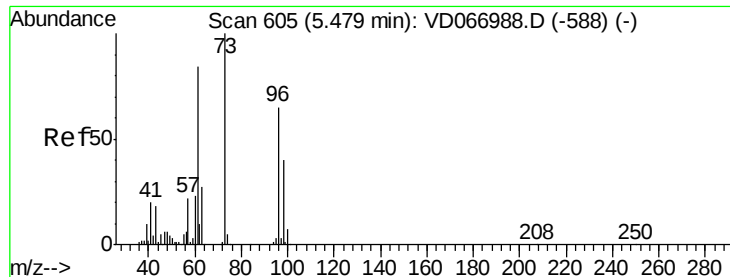
MMDadoda
10/8/2020 5:39:40 PM



#18
Methyl Acetate
Concen: 54.208 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.4	21.5	32.3





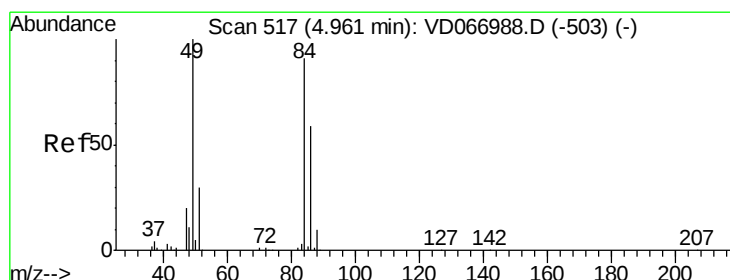
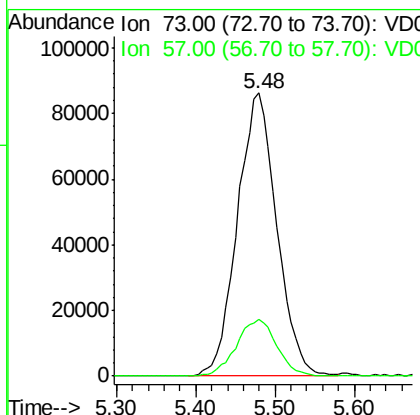
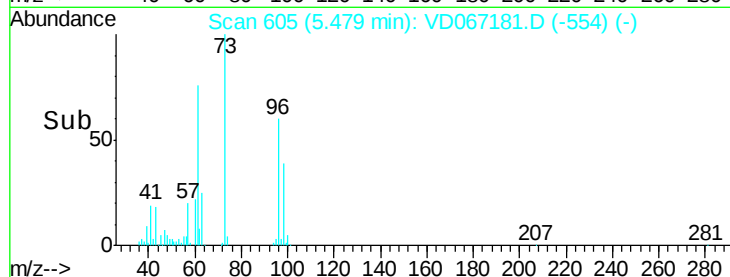
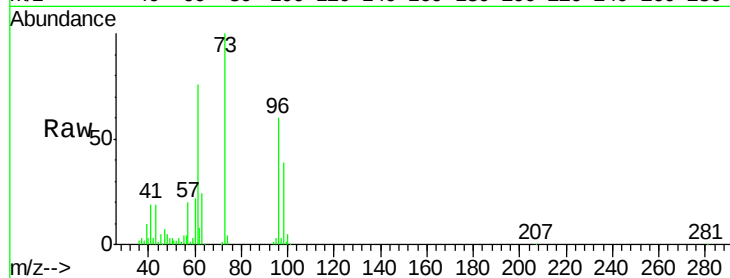
#19
Methyl tert-butyl Ether
Concen: 54.925 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	17.4	26.0

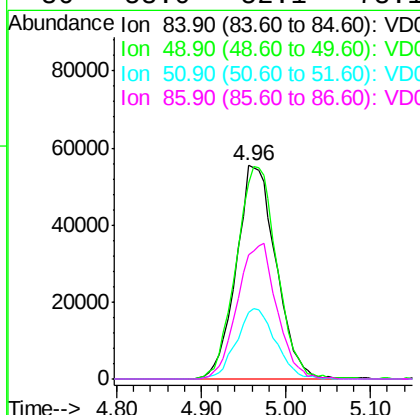
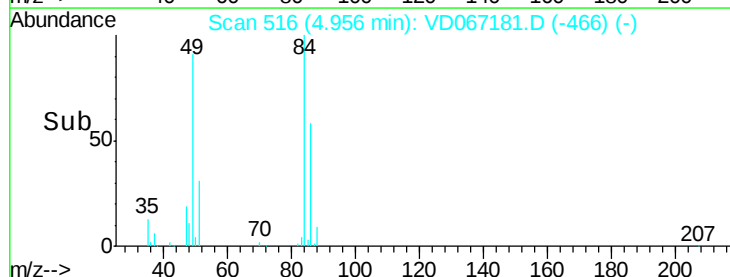
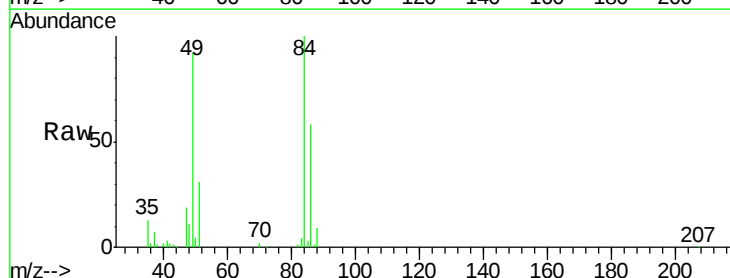
Manual Integrations
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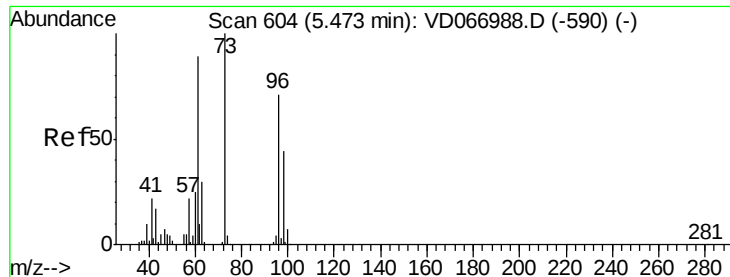
MMDadoda
10/8/2020 5:39:40 PM



#20
Methylene Chloride
Concen: 55.967 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	91.9	88.2	132.2
51	31.2	26.6	39.8
86	58.0	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 50.012 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

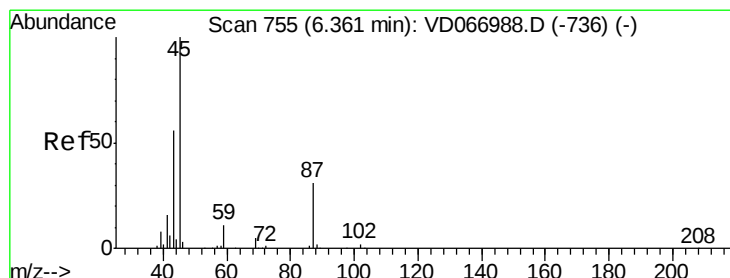
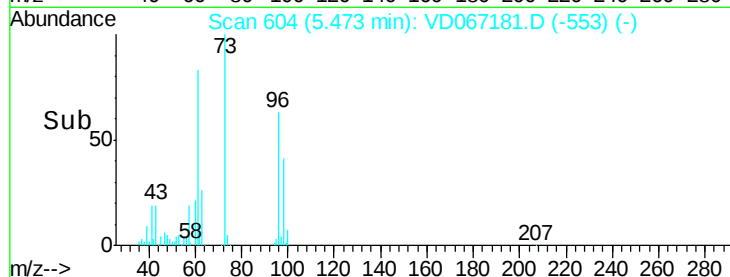
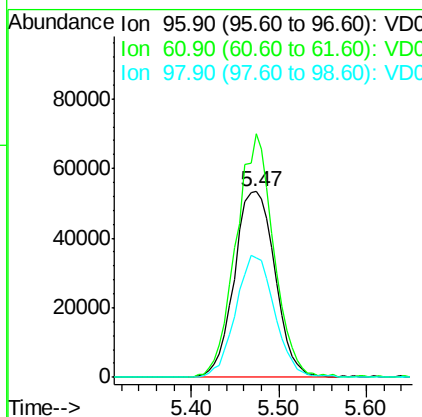
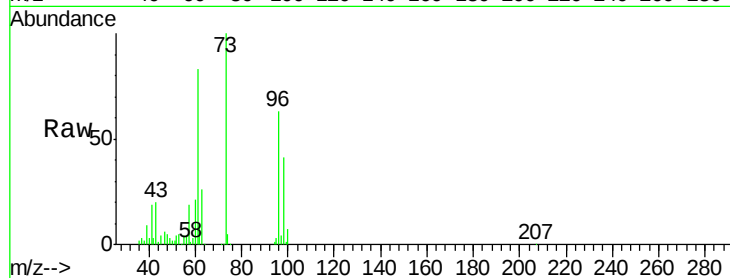
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	168994
Ion	Ratio	Lower	Upper
96	100		
61	131.1	99.6	149.4
98	64.6	49.4	74.2

Manual Integrations
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MMDadoda
10/8/2020 5:39:40 PM



#22

Diisopropyl ether

Concen: 48.240 ug/l

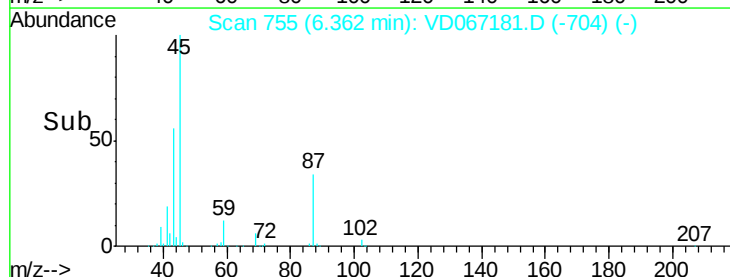
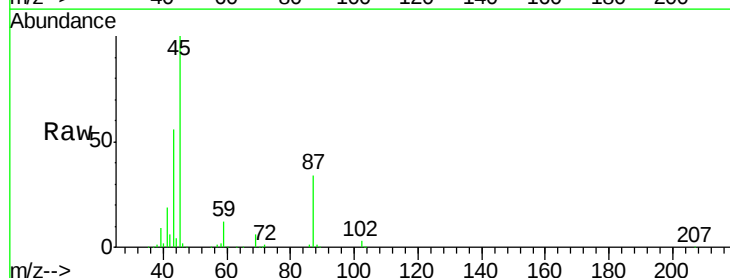
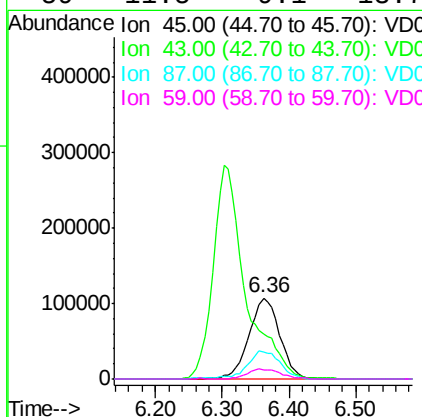
RT: 6.36 min Scan# 755

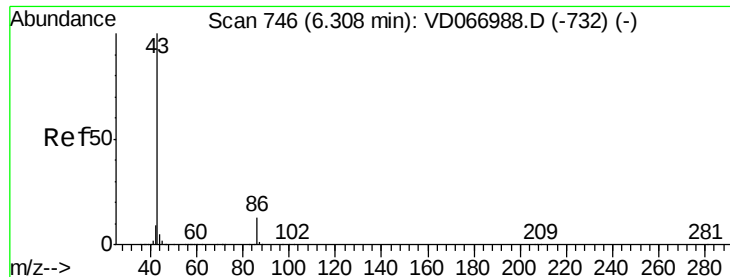
Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Tgt Ion:	45	Resp:	339710
Ion	Ratio	Lower	Upper
45	100		
43	54.9	45.2	67.8
87	33.7	25.6	38.4
59	11.5	9.1	13.7





#23

Vinyl Acetate

Concen: 241.382 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 963224

Ion Ratio Lower Upper

43 100

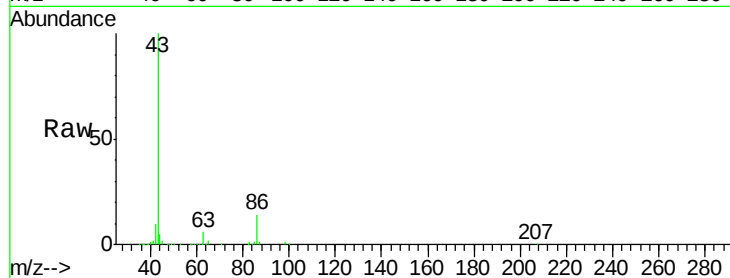
86 14.3 10.2 15.2

Manual Integrations

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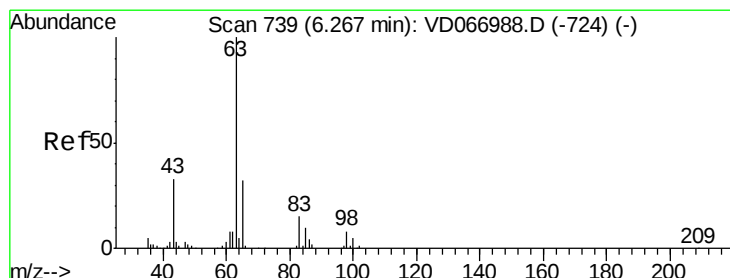
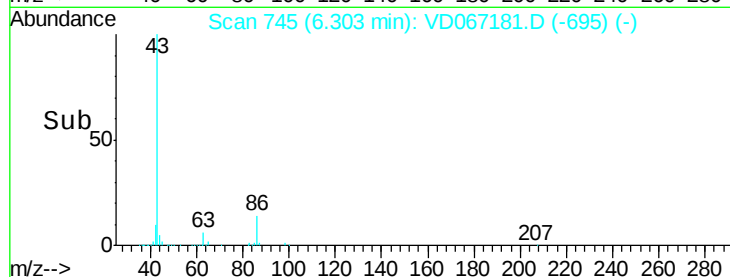
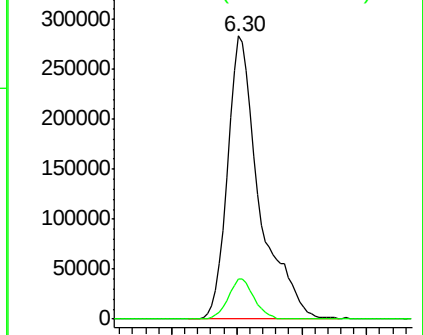
MMDadoda

10/8/2020 5:39:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 48.873 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

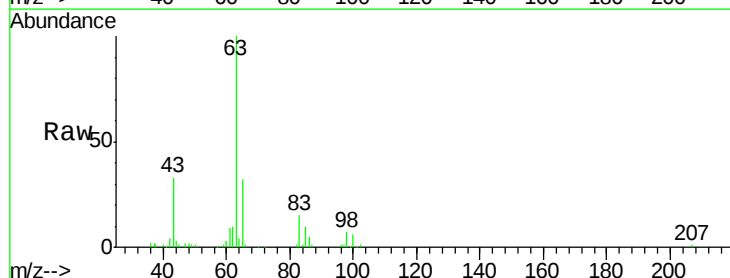
Tgt Ion: 63 Resp: 265609

Ion Ratio Lower Upper

63 100

98 7.1 4.2 12.6

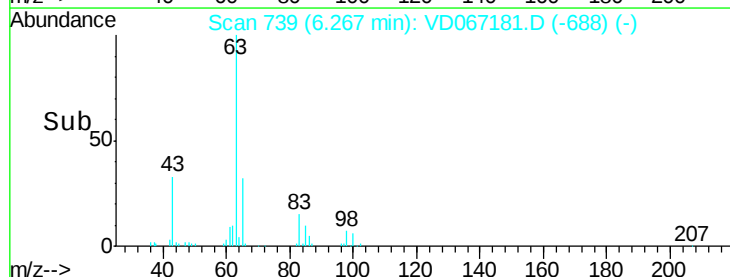
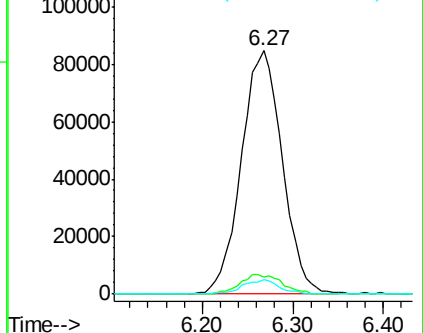
100 5.7 2.6 7.8

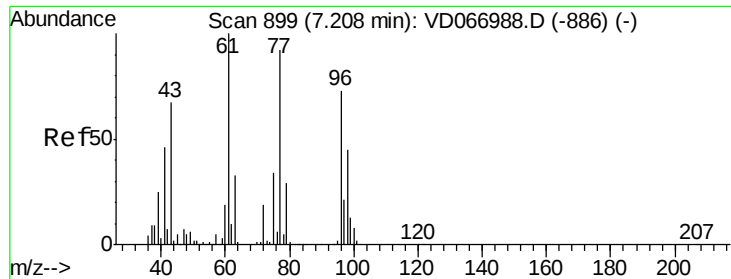


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





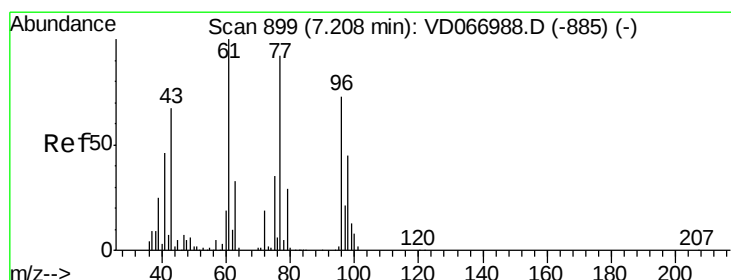
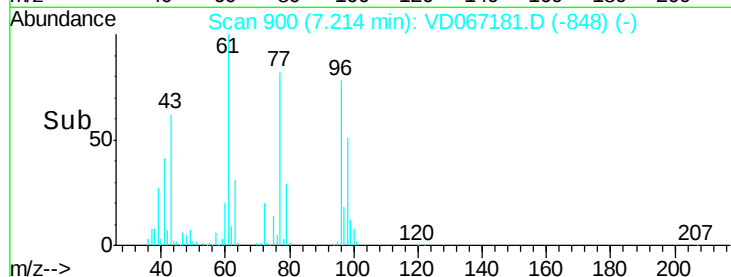
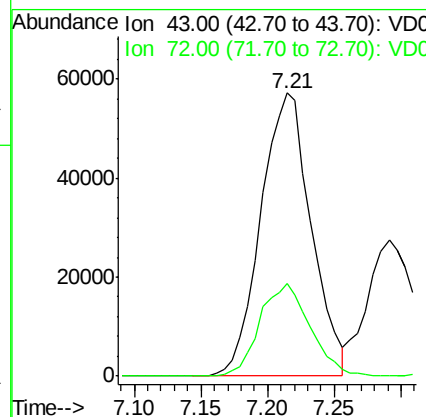
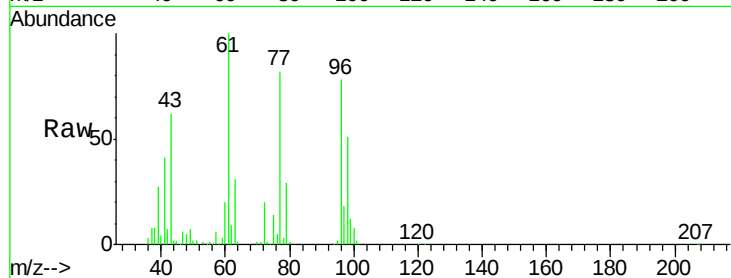
#25
2-Butanone
Concen: 227.347 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 149276
Ion Ratio Lower Upper
43 100
72 32.7 22.8 34.2

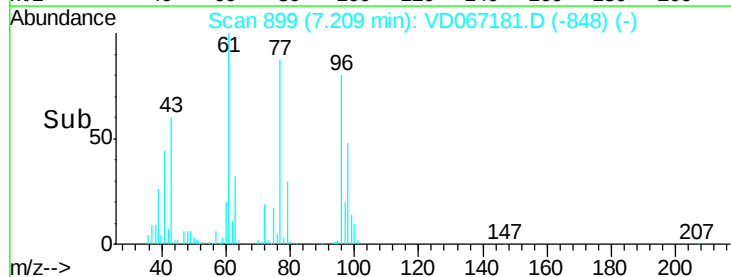
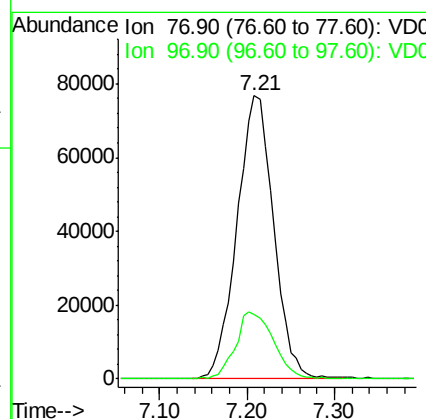
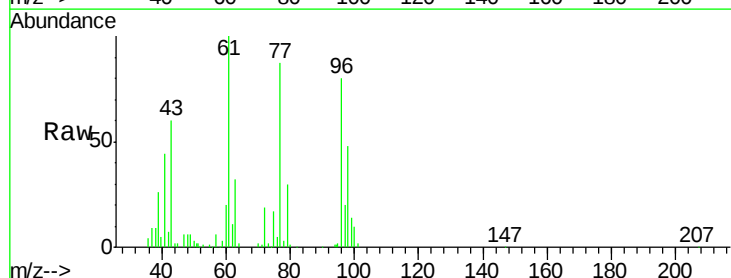
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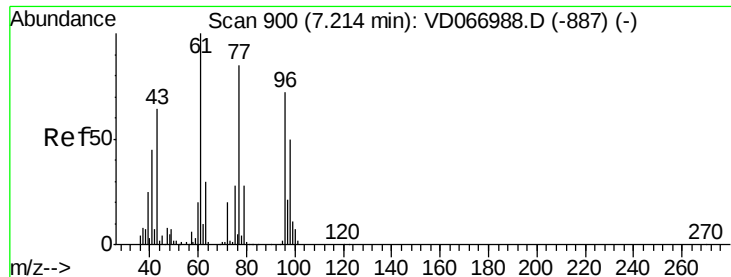
MMDadoda
10/8/2020 5:39:40 PM



#26
2,2-Dichloropropane
Concen: 46.579 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion: 77 Resp: 217773
Ion Ratio Lower Upper
77 100
97 24.6 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 52.588 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

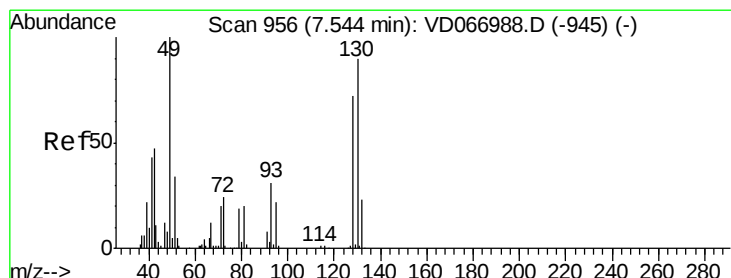
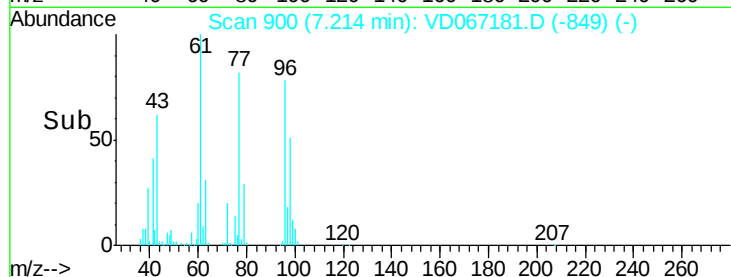
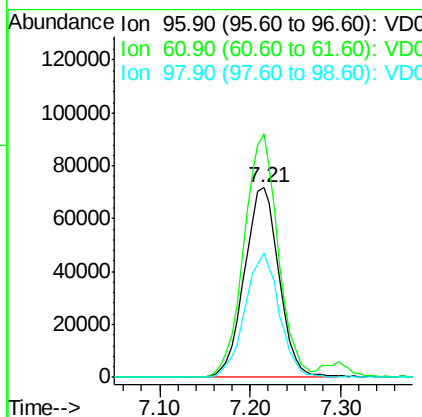
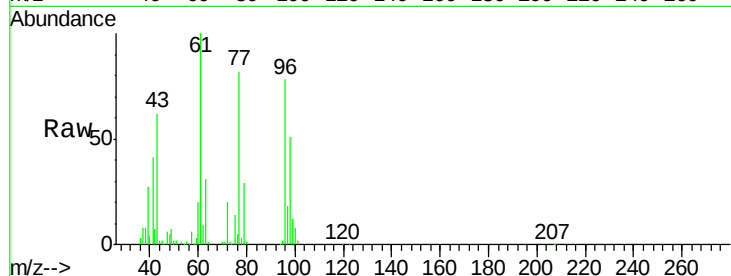
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	189785
Ion	Ratio	Lower	Upper
96	100		
61	126.4	0.0	269.2
98	64.9	0.0	129.4

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#28

Bromochloromethane

Concen: 49.971 ug/l

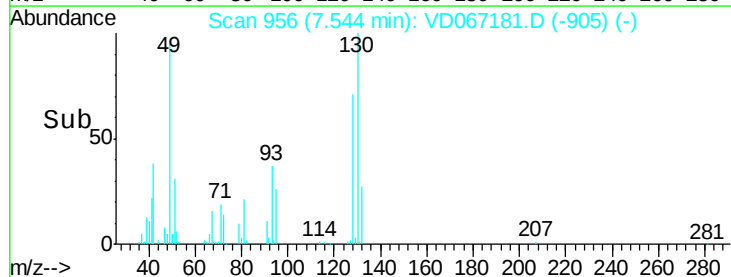
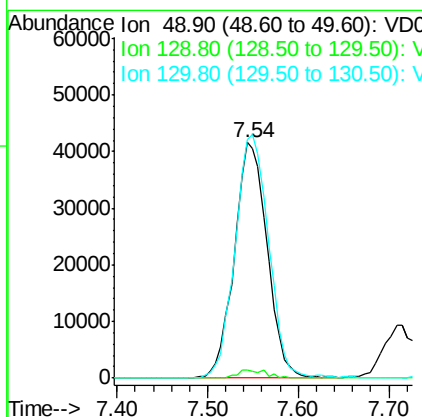
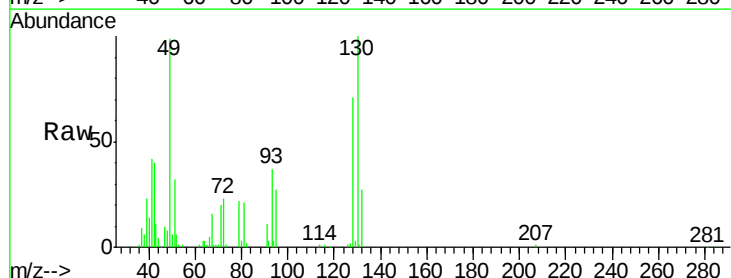
RT: 7.54 min Scan# 956

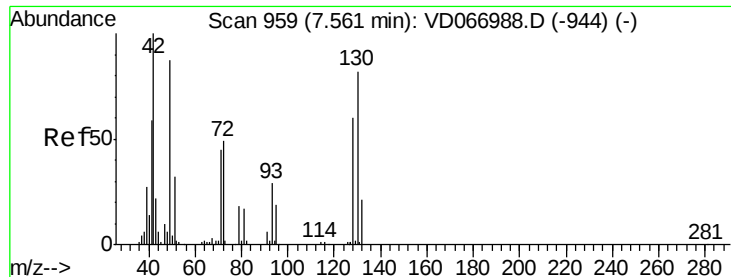
Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Tgt Ion:	49	Resp:	104879
Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	4.6
130	105.1	74.1	111.1





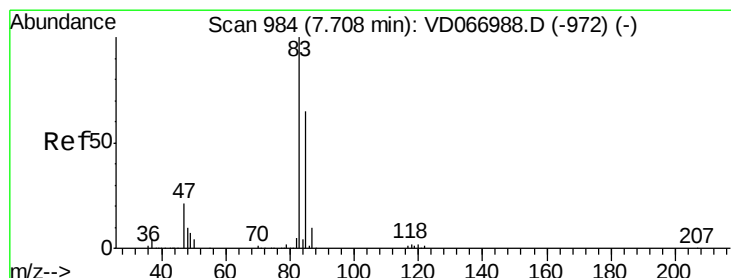
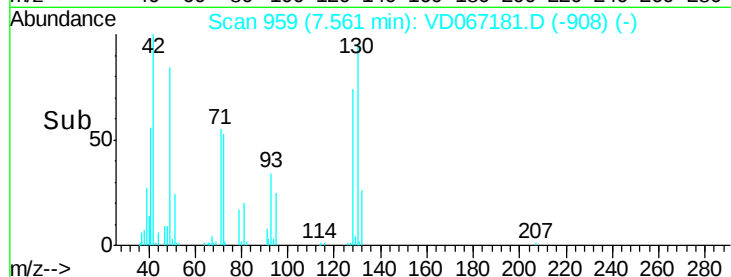
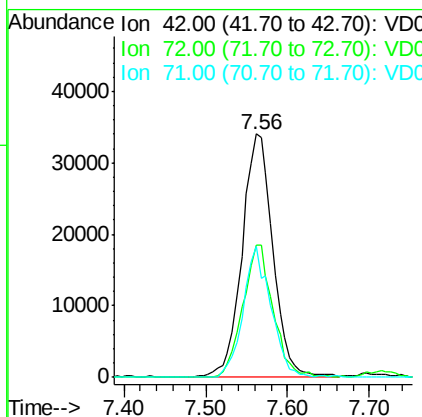
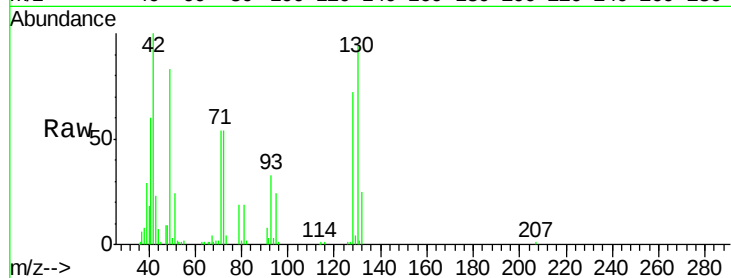
#29
Tetrahydrofuran
Concen: 237.573 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	53.1	39.1	58.7
71	48.2	34.2	51.4

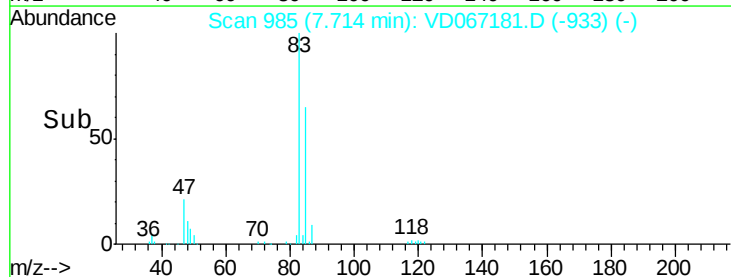
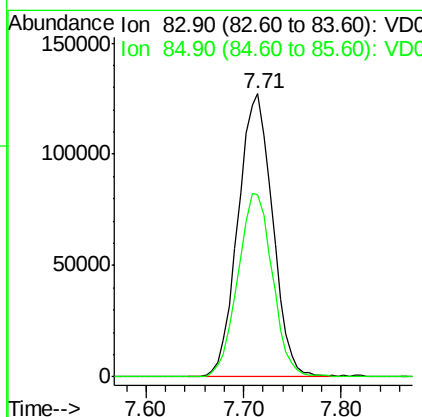
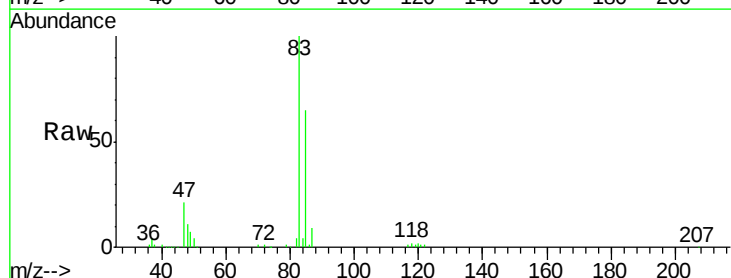
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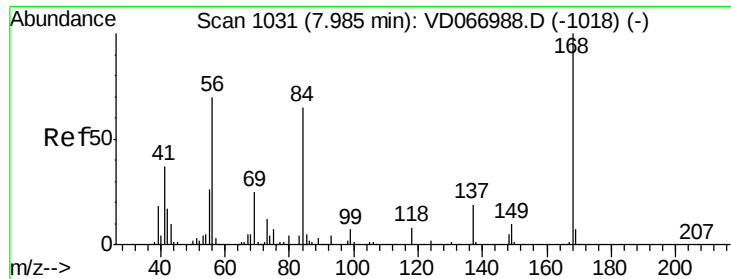
MMDadoda
10/8/2020 5:39:40 PM



#30
Chloroform
Concen: 53.174 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.3	78.5





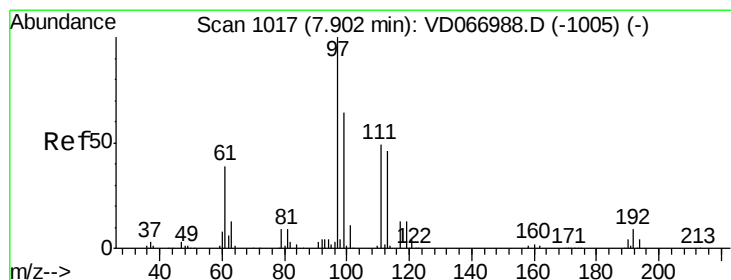
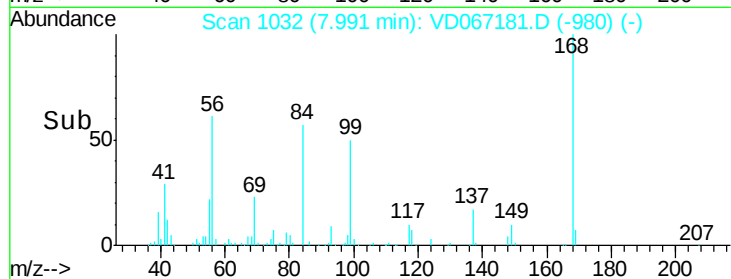
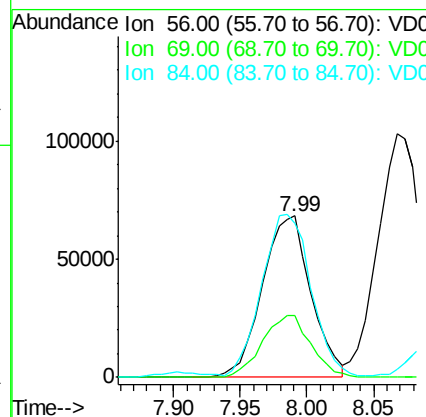
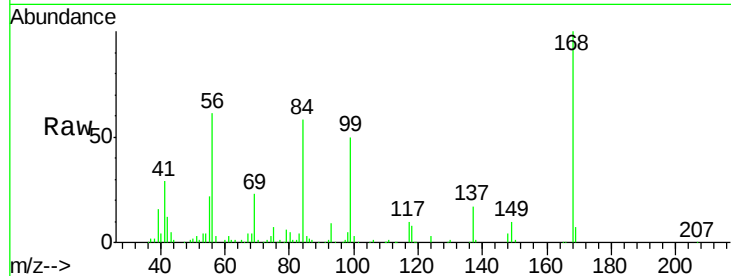
#31
Cyclohexane
Concen: 37.939 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	29.0	43.6
84	92.8	74.2	111.2

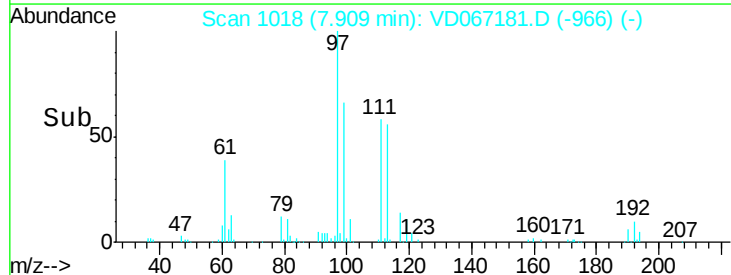
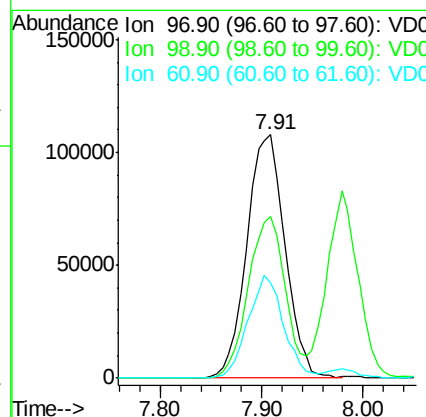
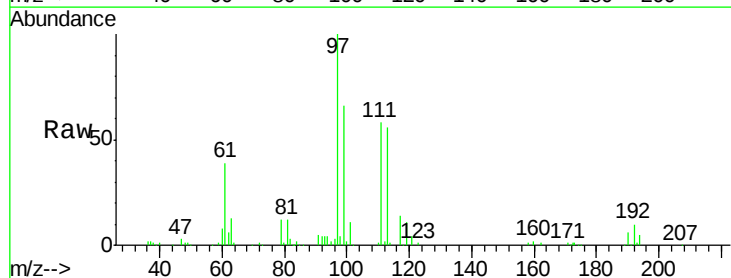
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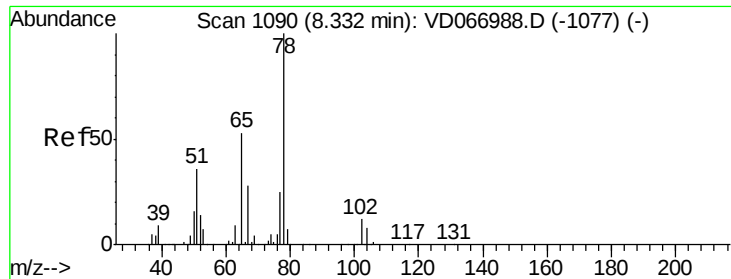
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.671 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.6	78.8
61	39.4	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 52.122 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 158131

Ion Ratio Lower Upper

65 100

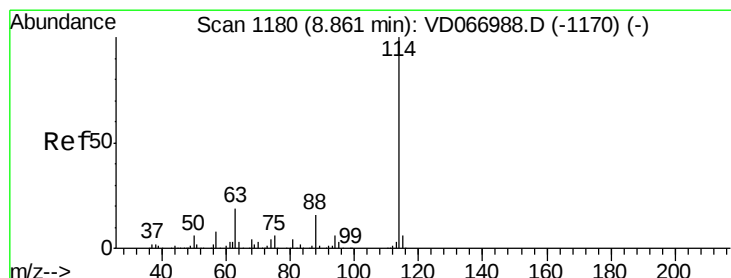
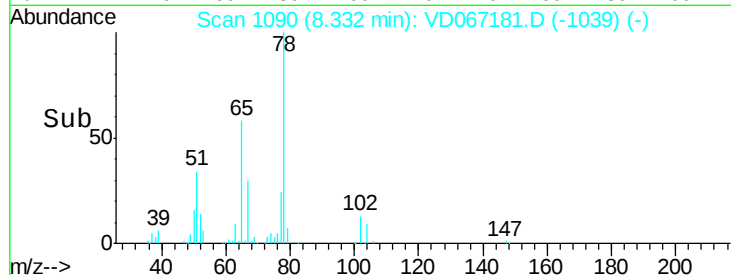
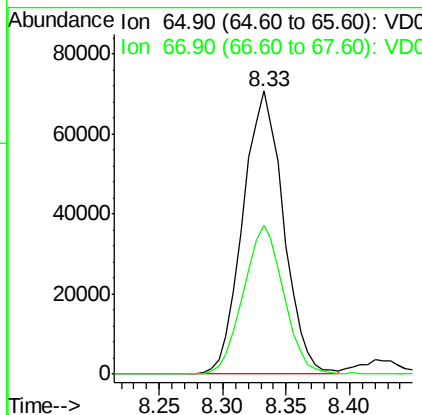
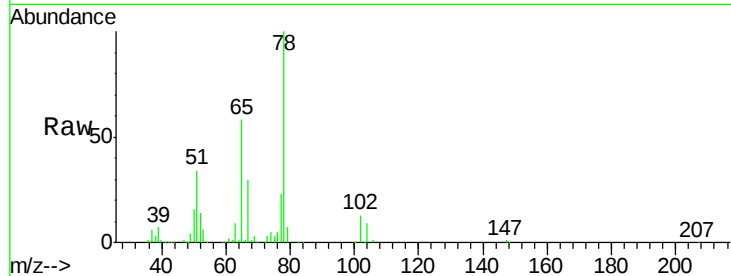
67 51.8 0.0 106.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

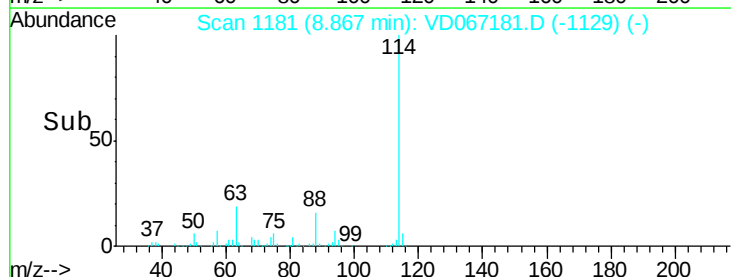
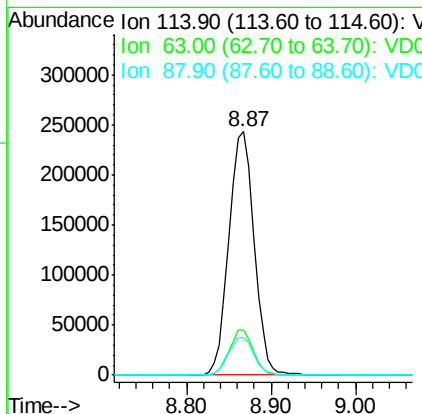
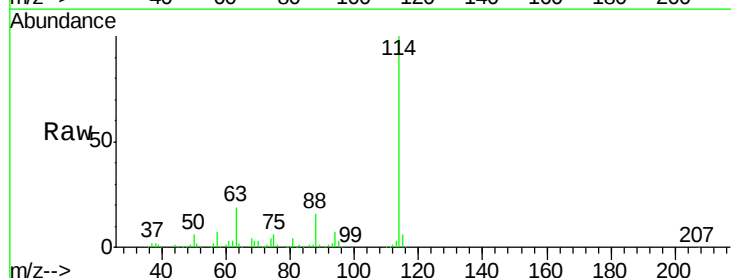
Tgt Ion: 114 Resp: 500975

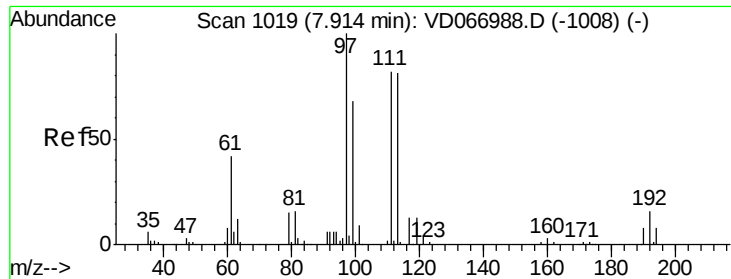
Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

88 15.6 0.0 31.2





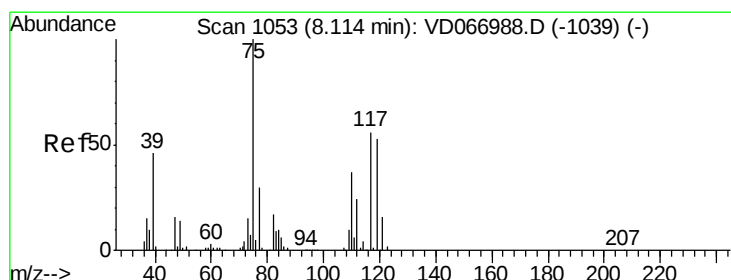
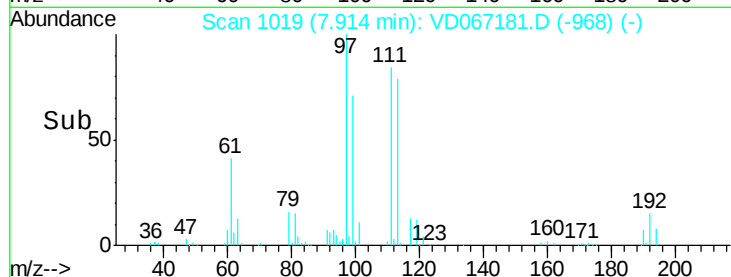
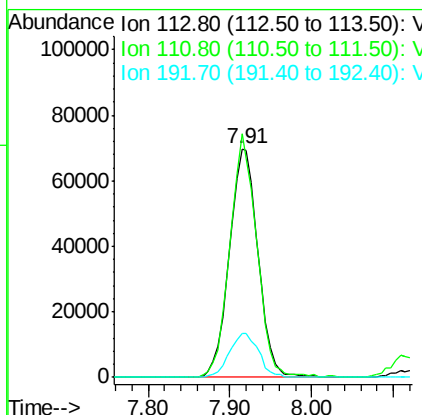
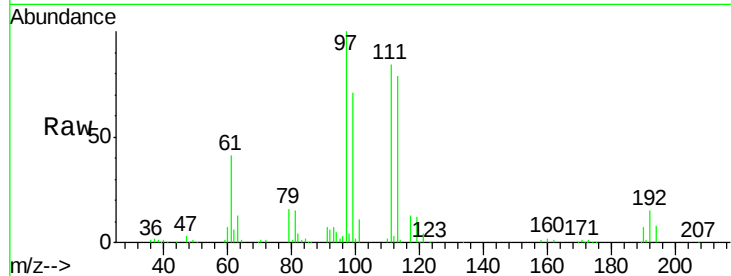
#35
 Dibromofluoromethane
 Concen: 51.645 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	169385		
111	100.5	83.0	124.4	
192	19.6	15.5	23.3	

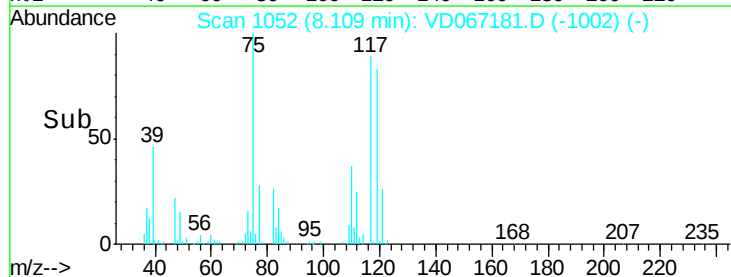
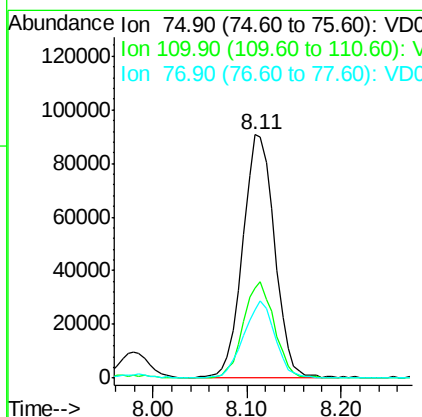
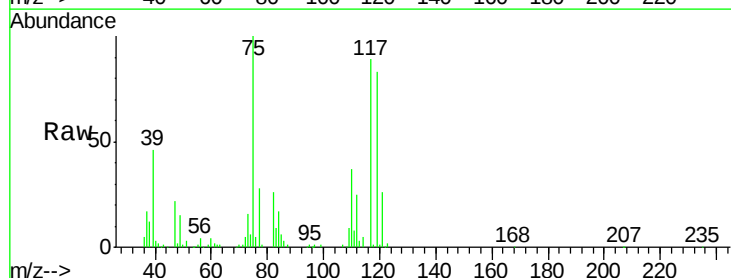
Manual Integrations
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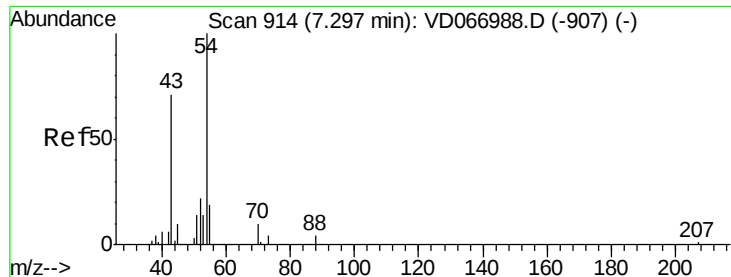
MMDadoda
 10/8/2020 5:39:40 PM



#36
 1,1-Dichloropropene
 Concen: 45.762 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	213691		
110	38.5	18.4	55.0	
77	31.3	24.8	37.2	





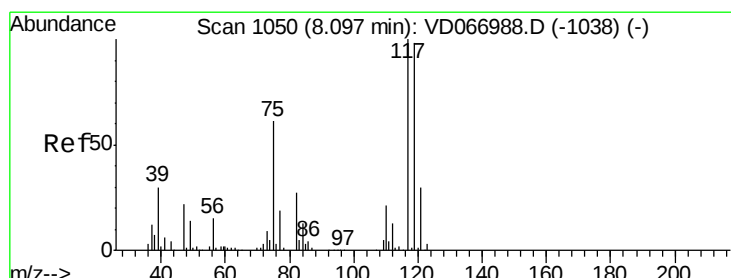
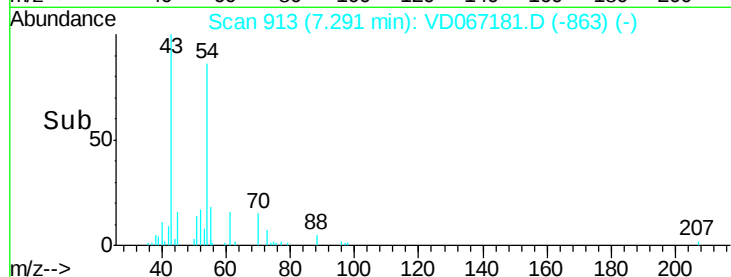
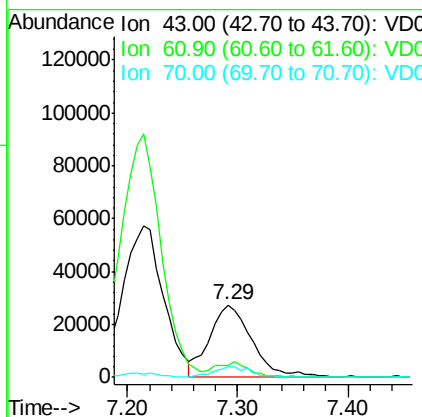
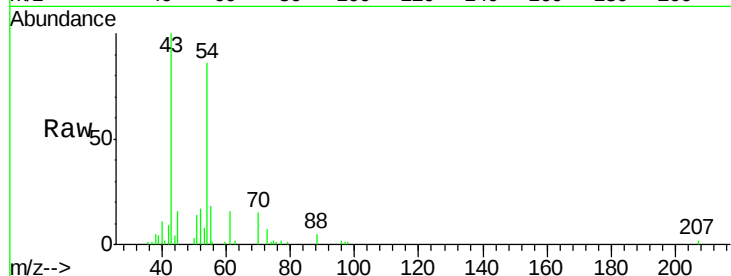
#37
Ethyl Acetate
Concen: 44.555 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	12.5	18.7
70	13.2	9.4	14.0

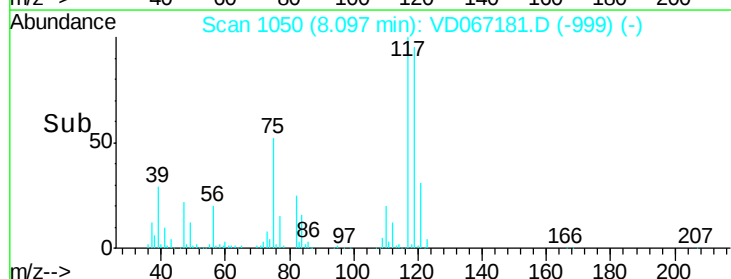
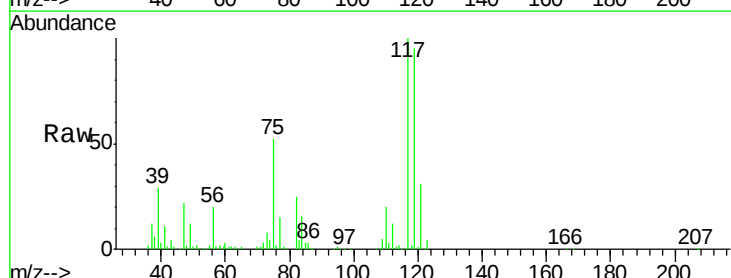
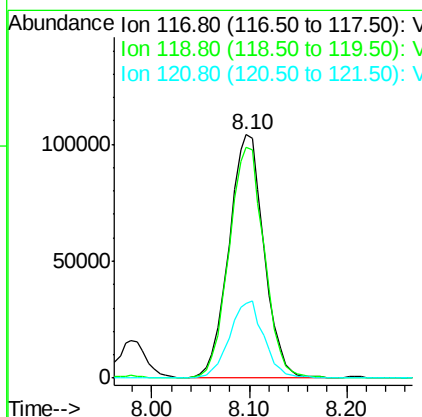
Manual Integrations
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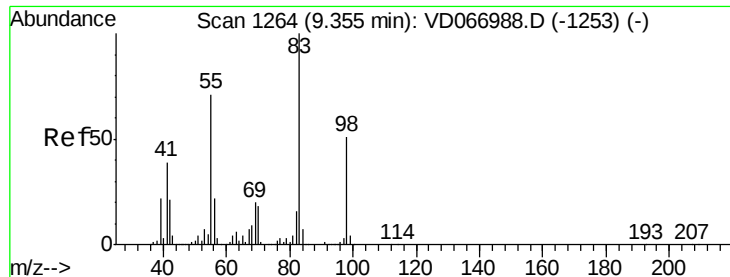
MMDadoda
10/8/2020 5:39:40 PM



#38
Carbon Tetrachloride
Concen: 51.233 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.7	118.1
121	30.9	24.2	36.2





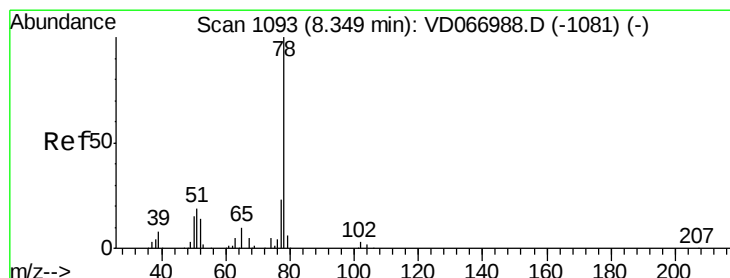
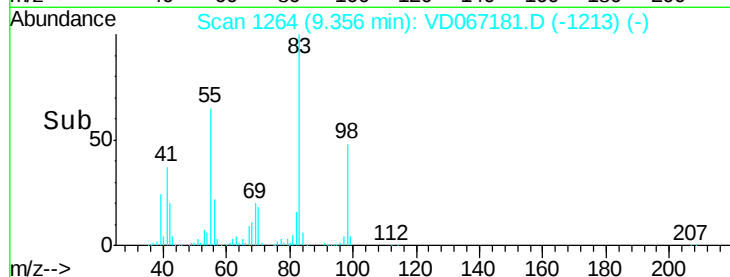
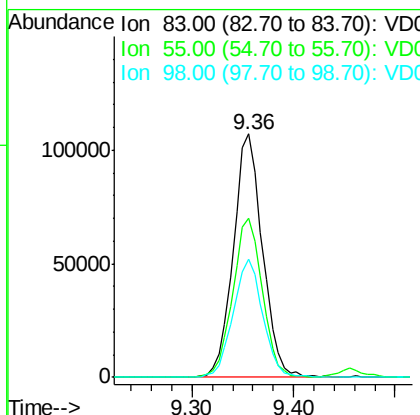
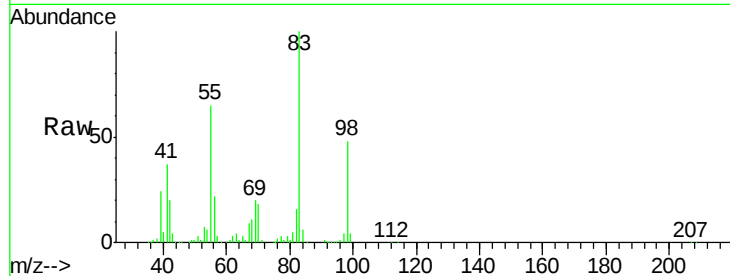
#39
Methvlcvclohexane
Concen: 43.388 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.3	57.1	85.7
98	48.4	40.9	61.3

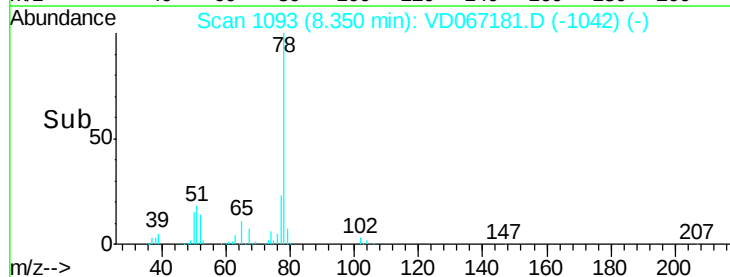
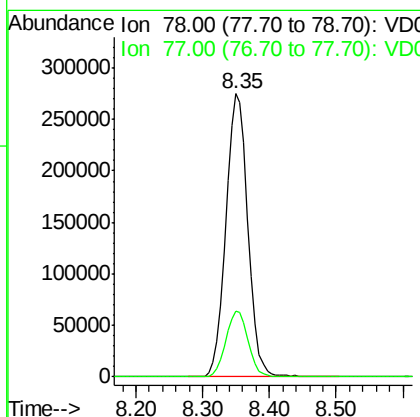
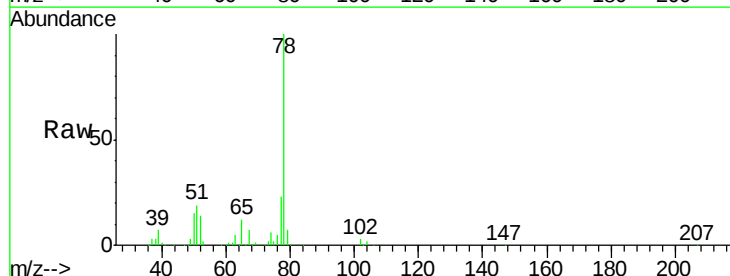
Manual Integrations
APPROVED

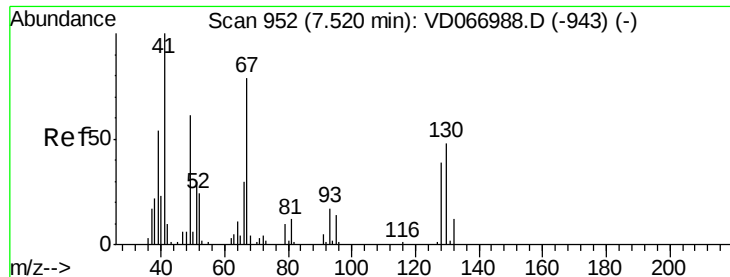
MMDadoda
10/8/2020 5:39:40 PM



#40
Benzene
Concen: 49.263 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.4	27.6





#41

Methacrylonitrile

Concen: 47.899 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 41861

Ion Ratio Lower Upper

41 100

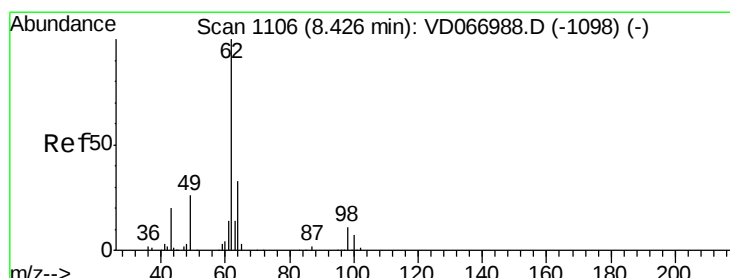
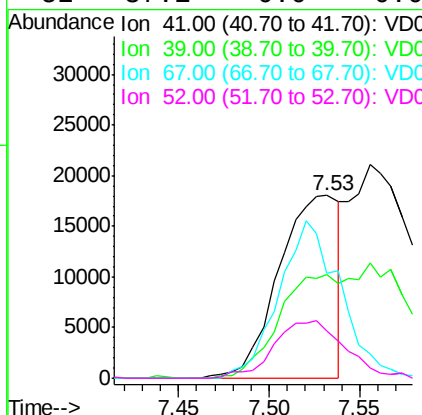
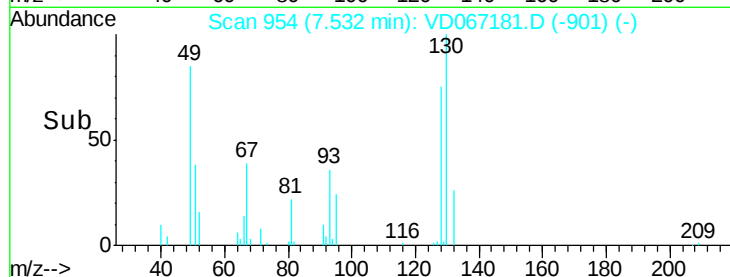
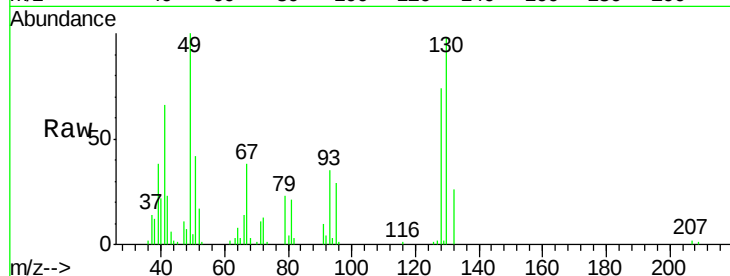
39 56.5 0.0 0.0#

67 88.0 0.0 0.0#

52 37.1 0.0 0.0#

Manual Integrations
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MMDadoda
10/8/2020 5:39:40 PM



#42

1,2-Dichloroethane

Concen: 53.672 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD067181.D

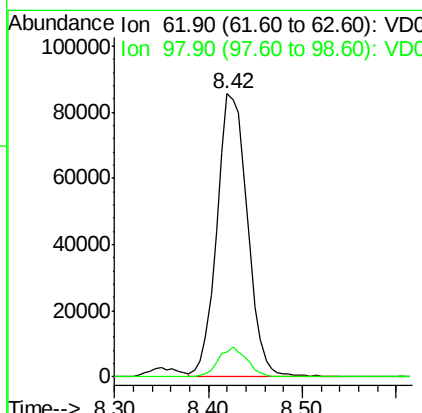
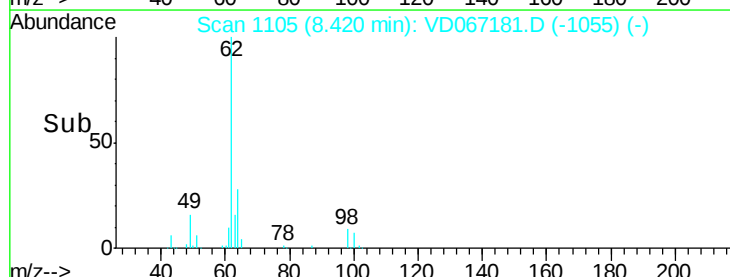
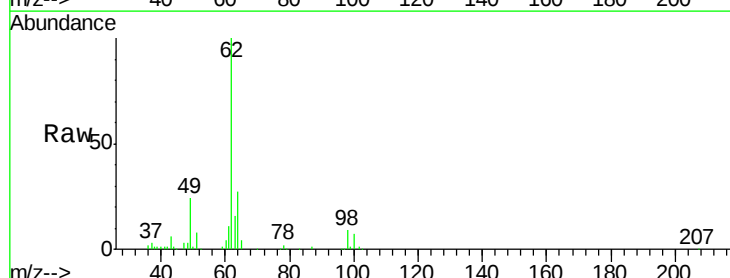
Acq: 08 Oct 2020 05:43

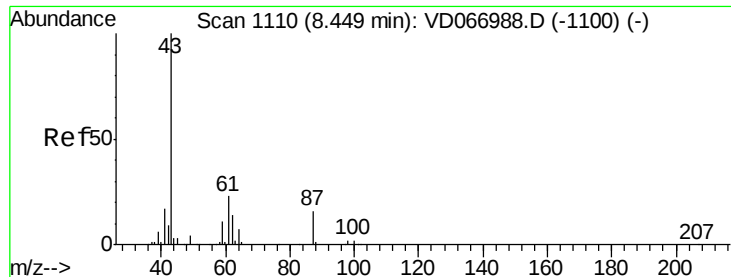
Tgt Ion: 62 Resp: 194524

Ion Ratio Lower Upper

62 100

98 9.9 0.0 22.6





#43

Isopropyl Acetate

Concen: 45.709 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

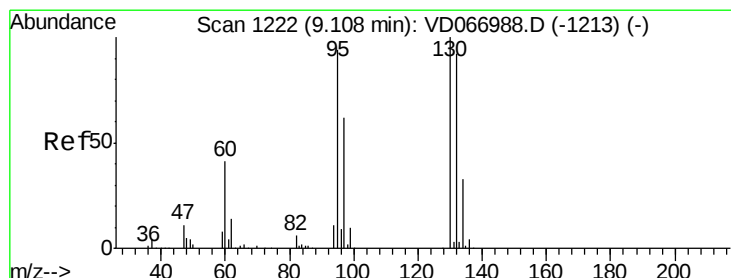
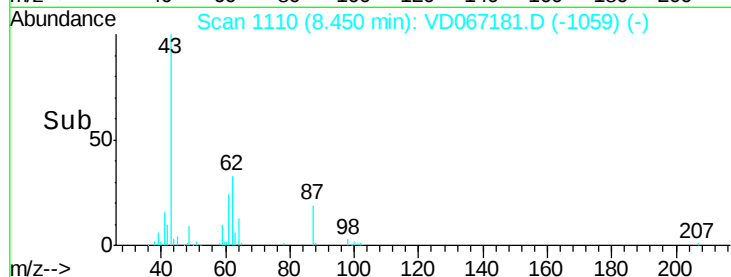
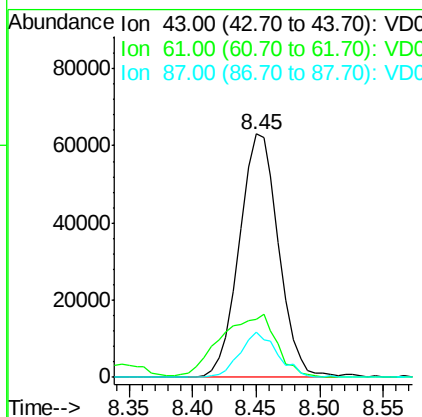
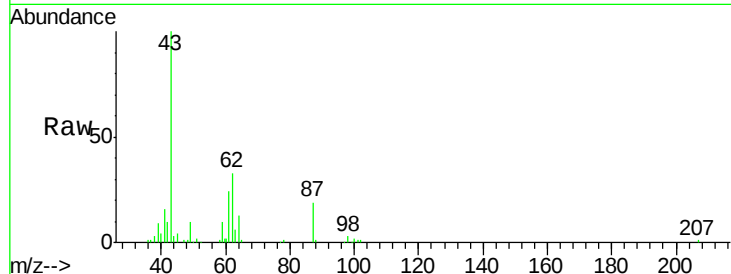
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	136219
Ion	Ratio	Lower	Upper
43	100		
61	36.8	27.1	40.7
87	17.9	12.3	18.5

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#44

Trichloroethene

Concen: 50.705 ug/l

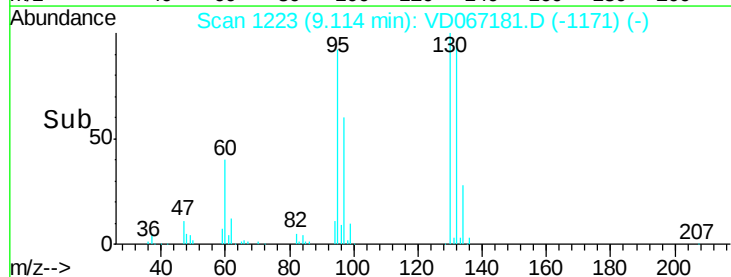
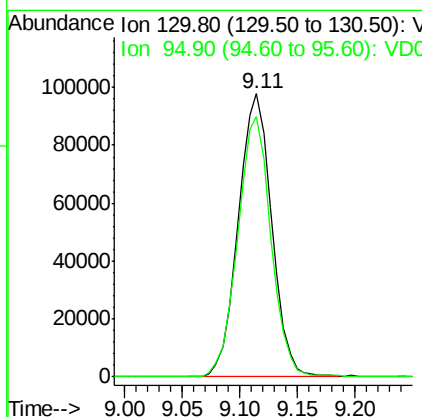
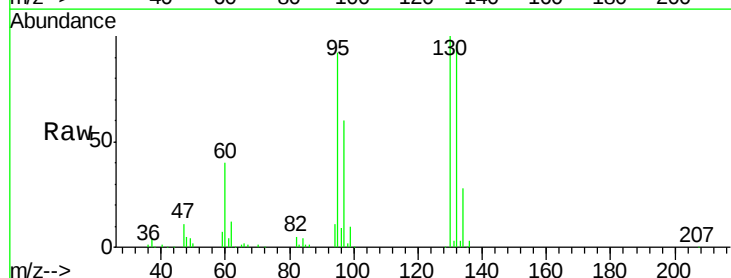
RT: 9.11 min Scan# 1223

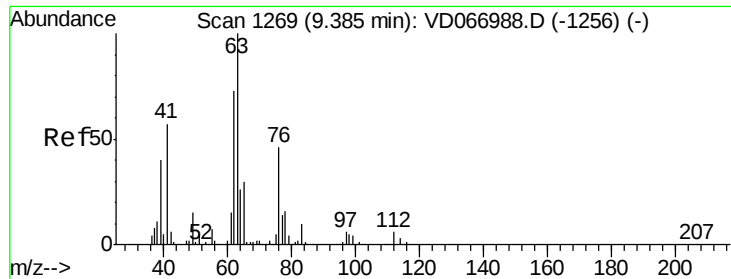
Delta R.T. 0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Tgt Ion:	130	Resp:	196383
Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	187.8





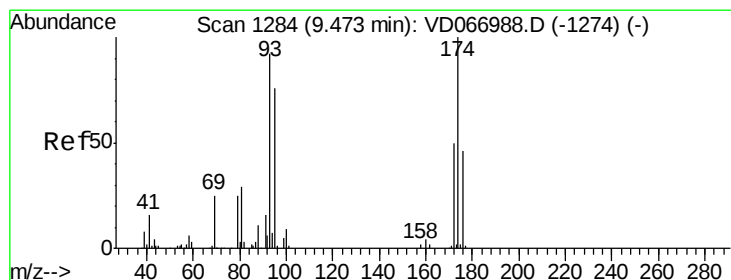
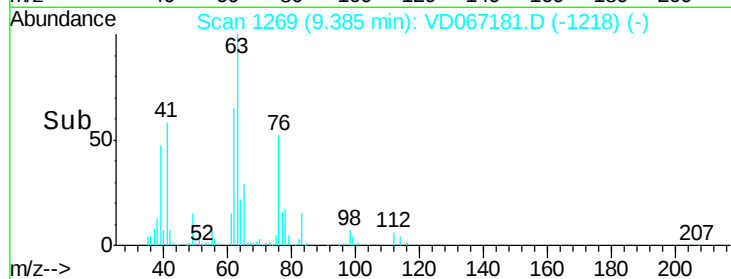
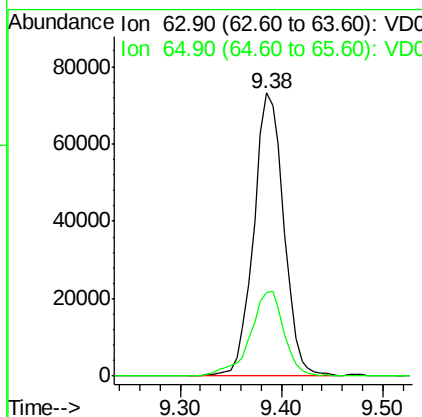
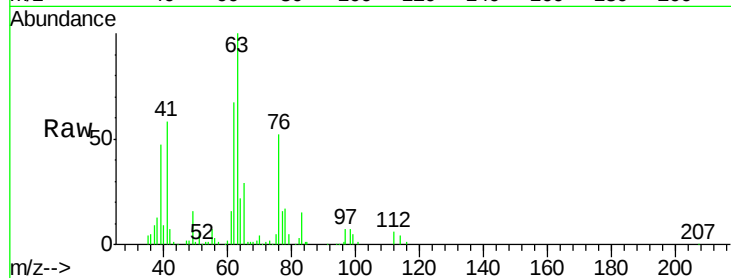
#45
 1,2-Dichloropropane
 Concen: 49.606 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	63	Resp	151175
Ion Ratio	Lower	Upper	
63	100		
65	29.4	23.7	35.5

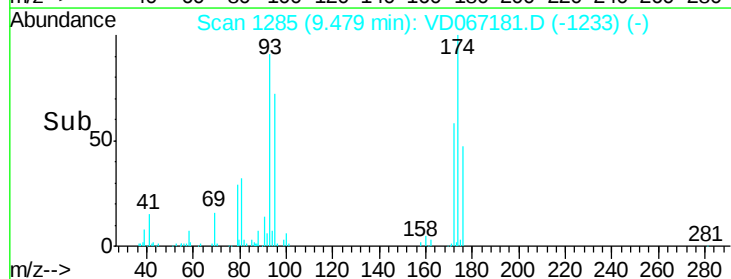
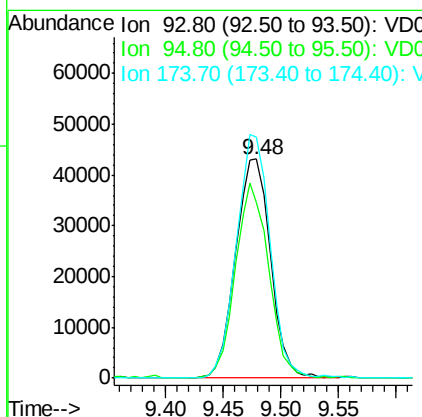
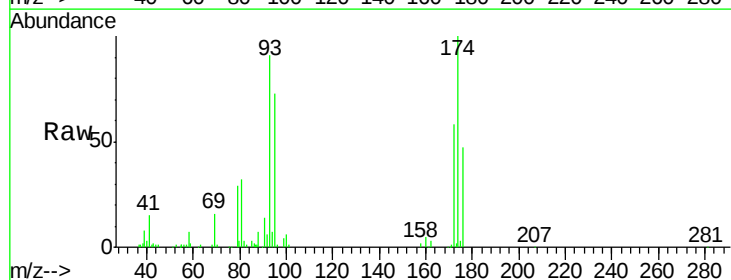
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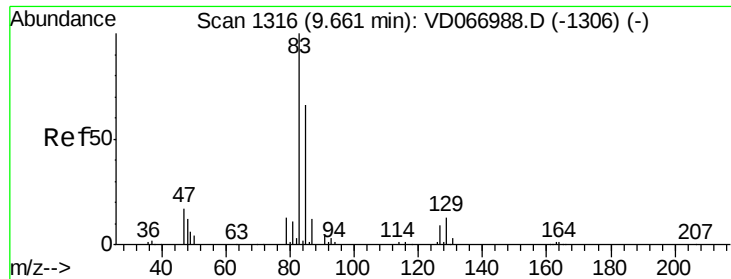
MMDadoda
 10/8/2020 5:39:40 PM



#46
 Dibromomethane
 Concen: 51.976 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Tgt Ion	93	Resp	91038
Ion Ratio	Lower	Upper	
93	100		
95	84.3	64.7	97.1
174	107.4	81.4	122.2





#47

Bromodichloromethane

Concen: 53.050 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

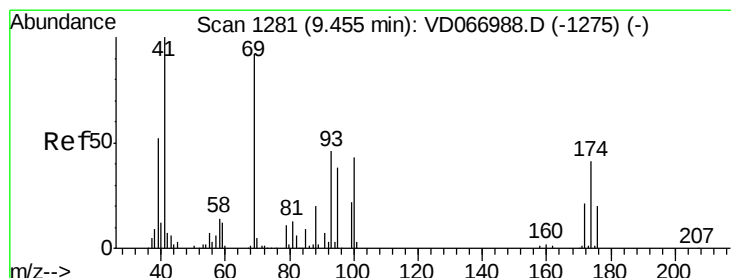
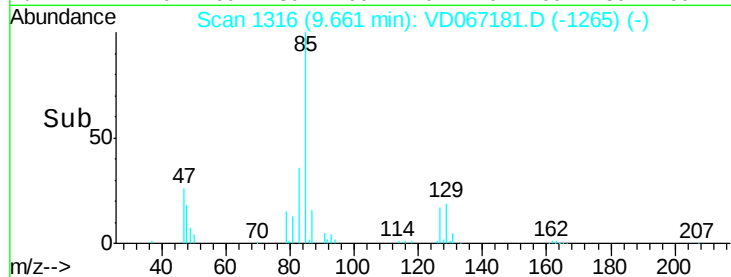
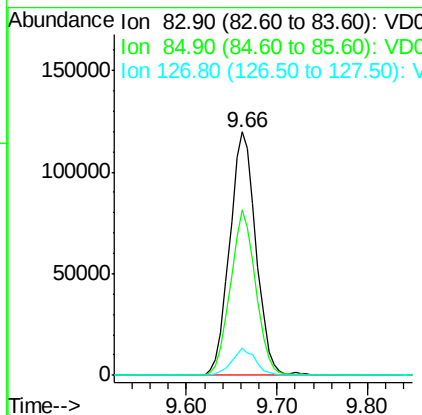
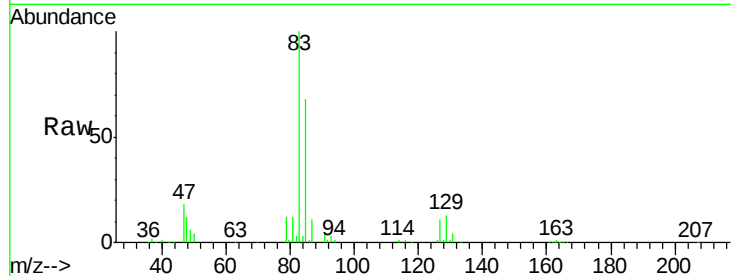
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	241541
Ion Ratio	Lower	Upper	
83	100		
85	68.0	52.9	79.3
127	11.3	7.3	10.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.959 ug/l

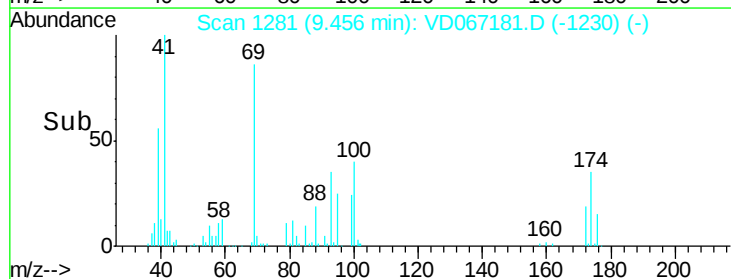
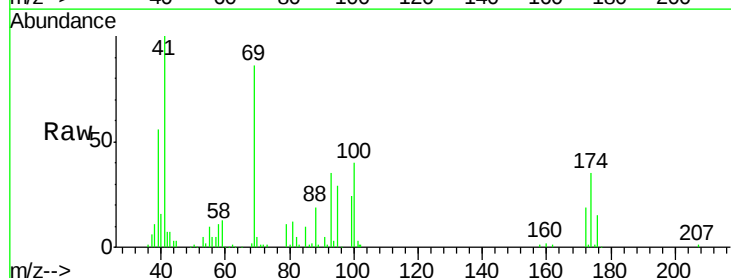
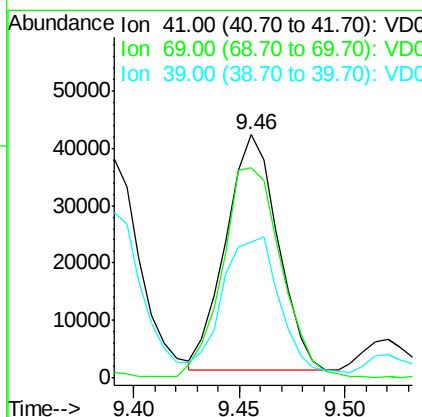
RT: 9.46 min Scan# 1281

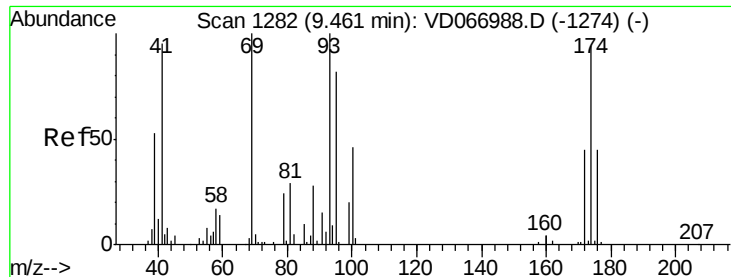
Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Tgt Ion:	41	Resp:	70168
Ion Ratio	Lower	Upper	
41	100		
69	101.7	68.5	102.7
39	68.7	40.2	60.2#





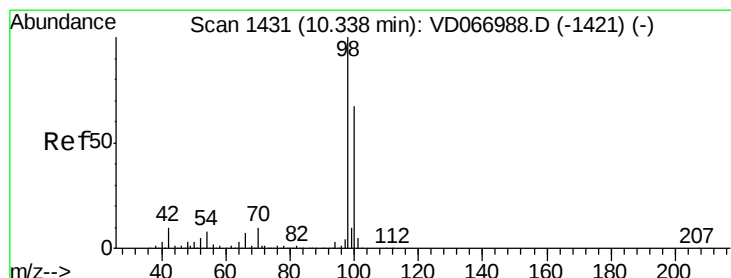
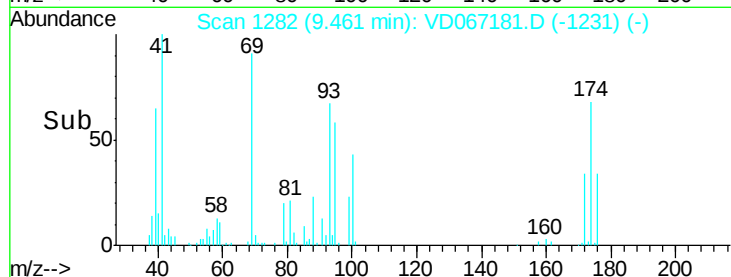
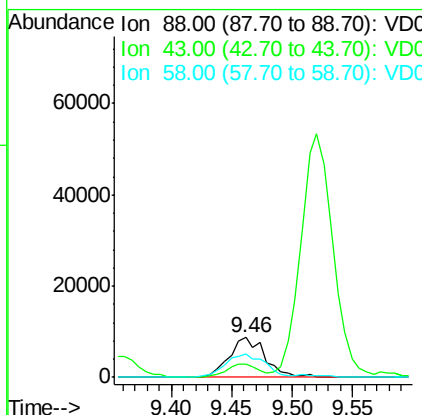
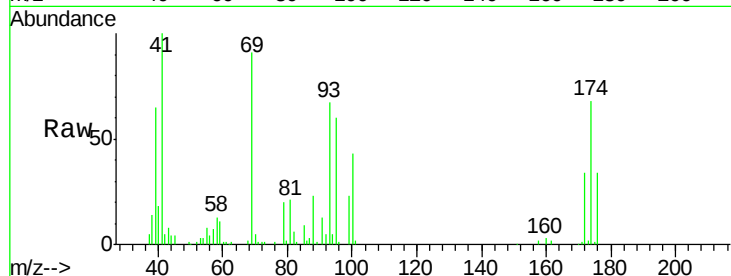
#49
1,4-Dioxane
Concen: 1009.375 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	18452
Ion	Ratio	Lower	Upper
88	100		
43	29.6	25.6	38.4
58	63.3	53.5	80.3

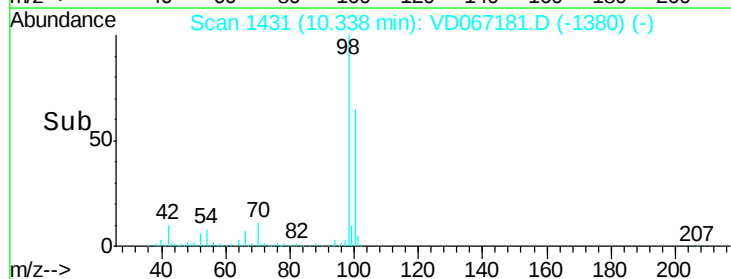
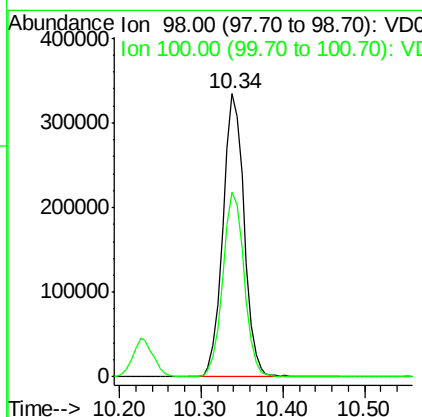
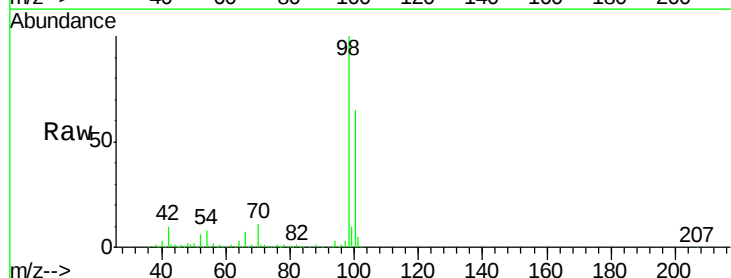
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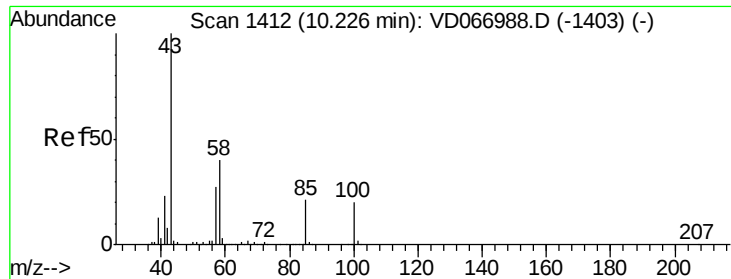
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#50
Toluene-d8
Concen: 50.558 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	98	Resp	604225
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 245.486 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 364400

Ion Ratio Lower Upper

43 100

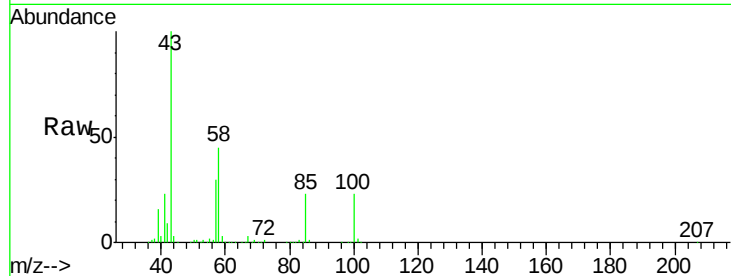
58 43.1 33.8 50.8

Manual Integrations

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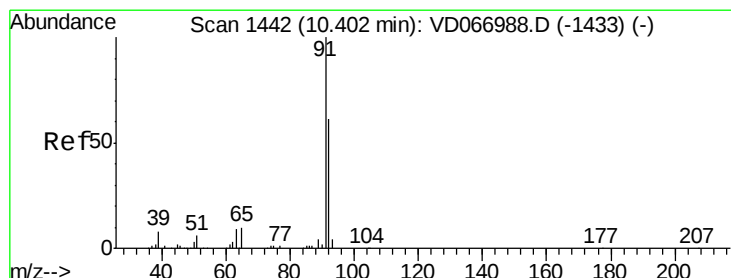
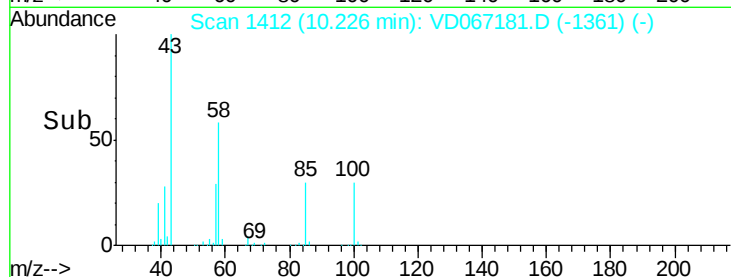
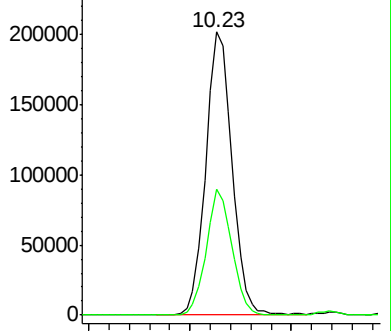
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 53.221 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067181.D

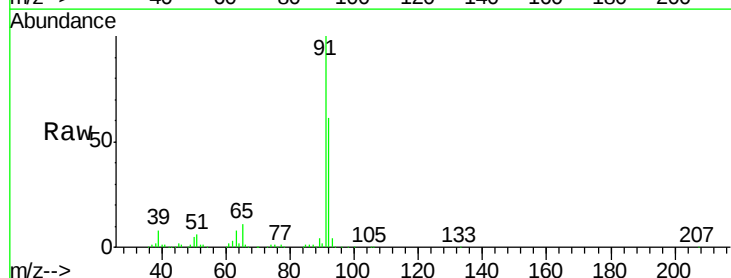
Acq: 08 Oct 2020 05:43

Tgt Ion: 92 Resp: 444660

Ion Ratio Lower Upper

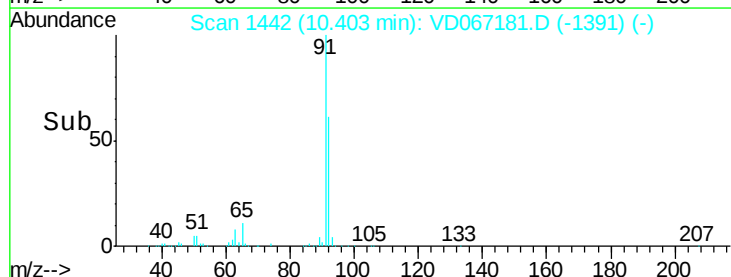
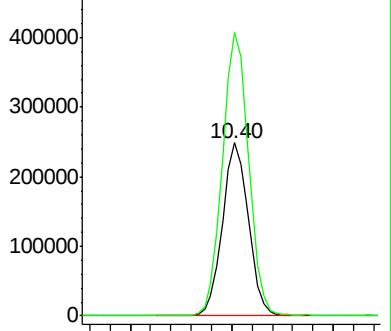
92 100

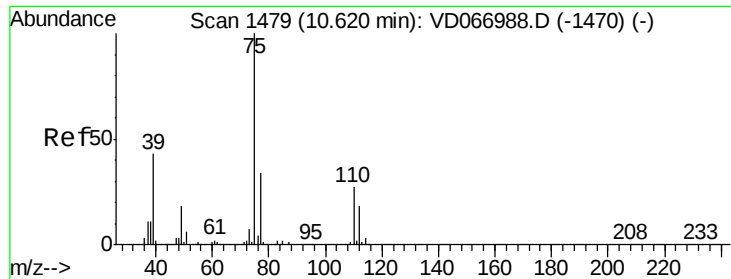
91 165.4 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





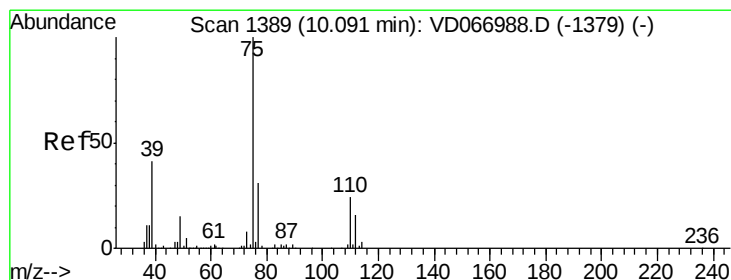
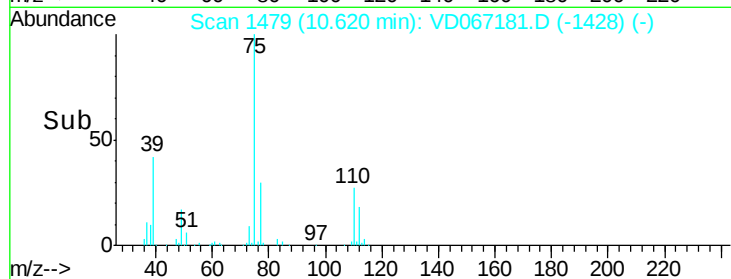
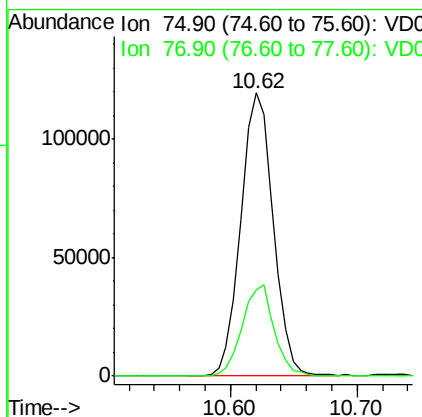
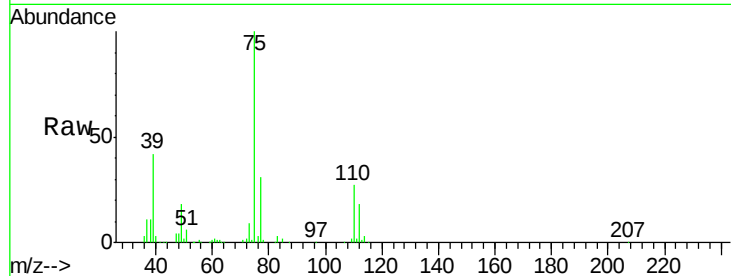
#53
 t-1,3-Dichloropropene
 Concen: 52.299 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	27.1	40.7

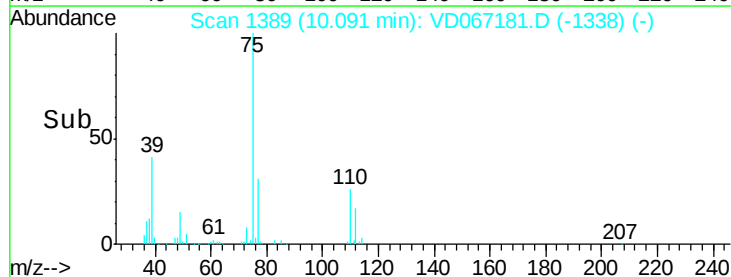
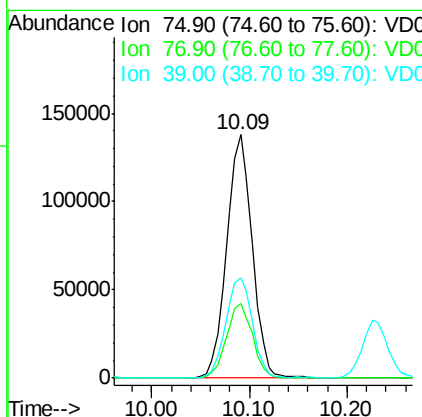
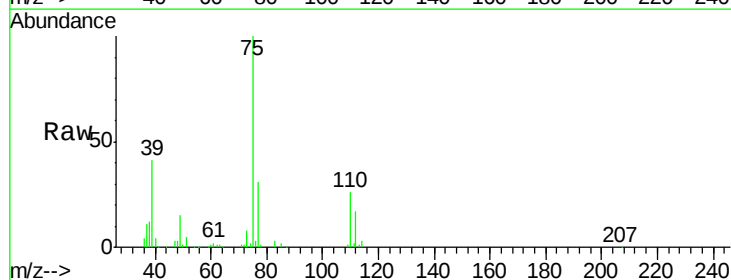
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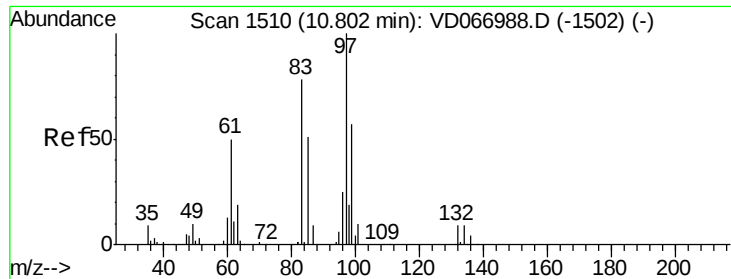
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 50.424 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.8	24.6	37.0
39	41.4	33.0	49.4





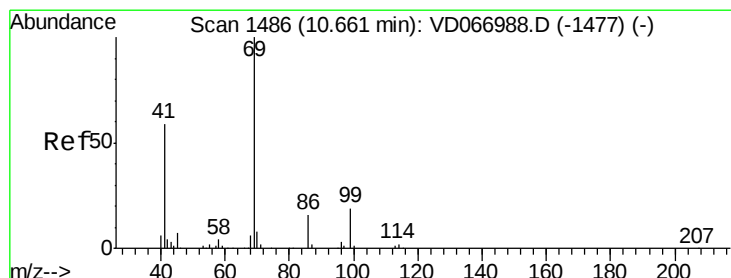
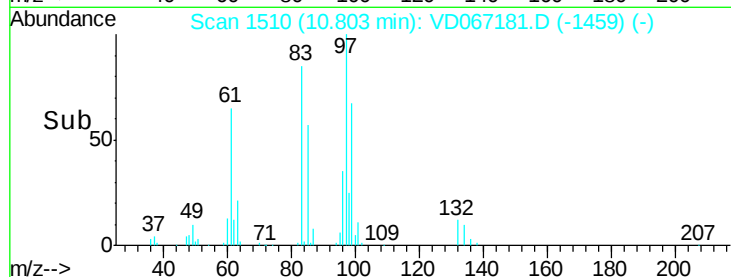
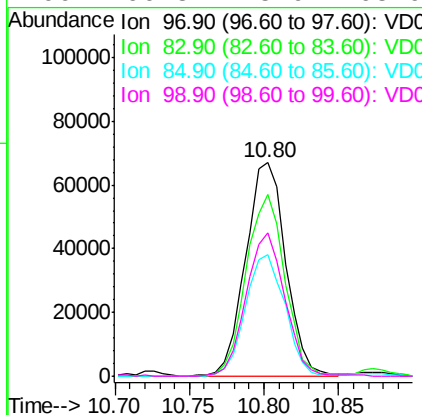
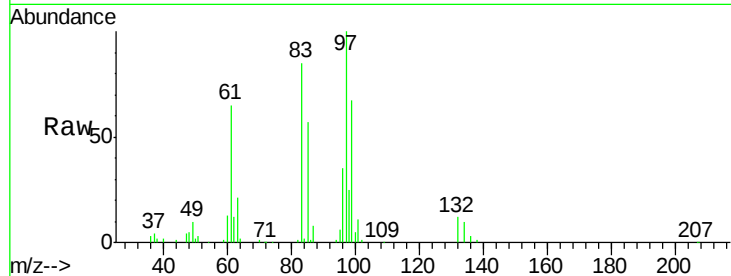
#55
 1,1,2-Trichloroethane
 Concen: 51.187 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		124650		
83	84.9	62.4	93.6		
85	57.0	41.0	61.4		
99	66.8	45.9	68.9		

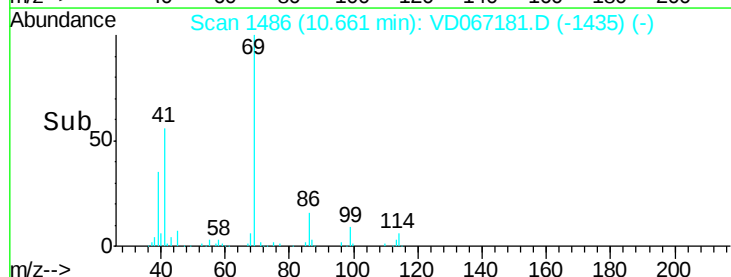
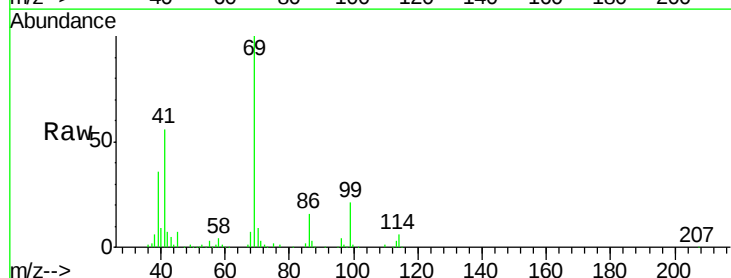
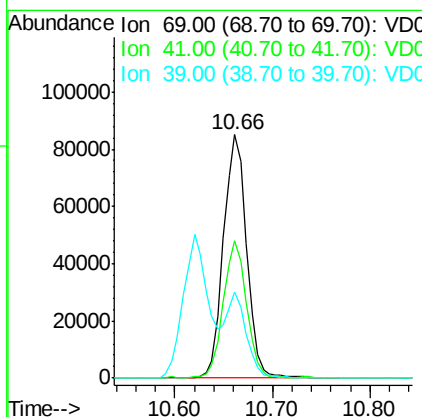
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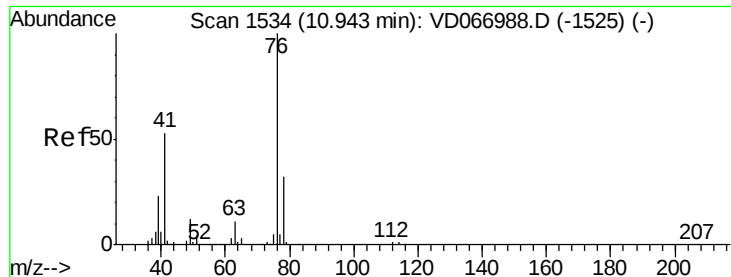
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#56
 Ethyl methacrylate
 Concen: 55.998 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		140788		
41	56.6	46.4	69.6		
39	32.0	23.8	35.6		





#57

1,3-Dichloropropane

Concen: 52.754 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 208320

Ion Ratio Lower Upper

76 100

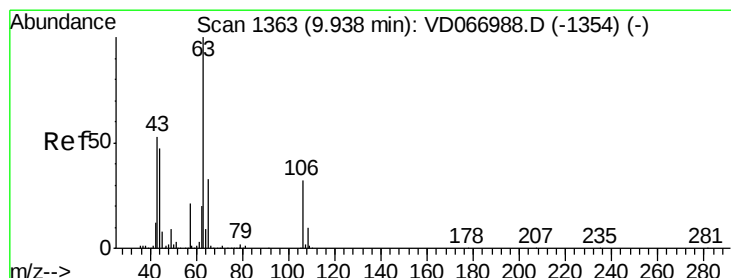
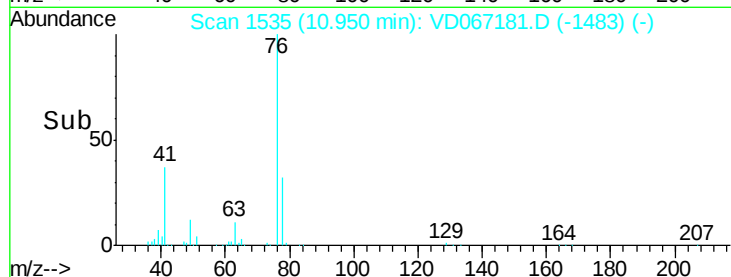
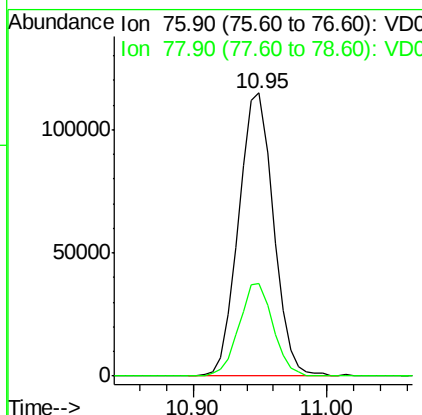
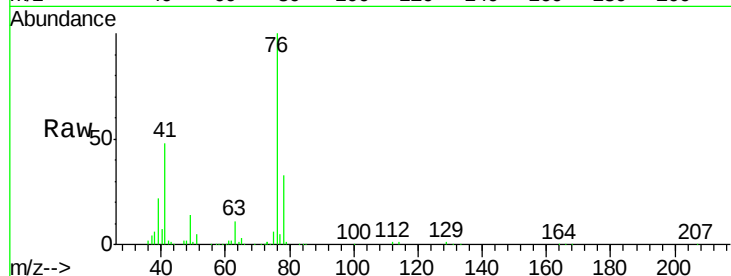
78 32.0 25.8 38.8

Manual Integrations

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10/8/2020 5:39:40 PM



#58

2-Chloroethyl Vinyl ether

Concen: 262.442 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VD067181.D

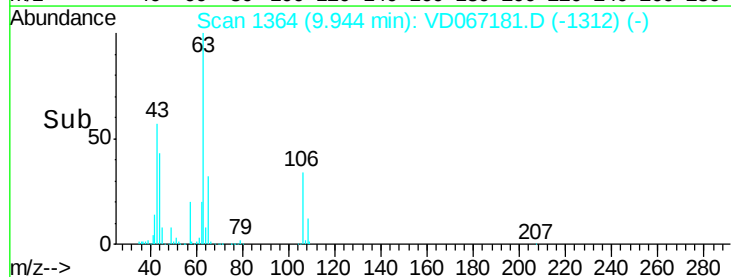
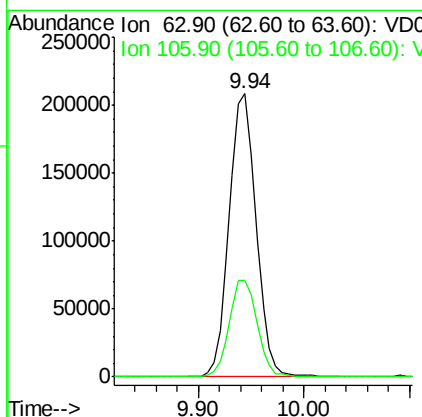
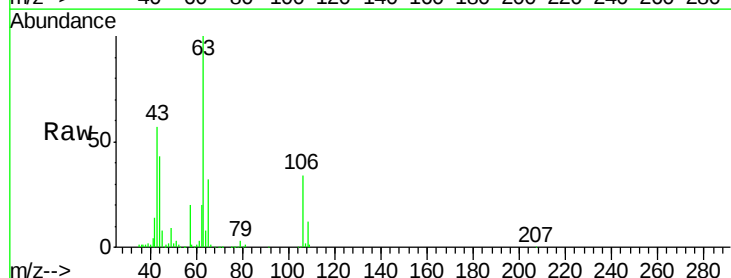
Acq: 08 Oct 2020 05:43

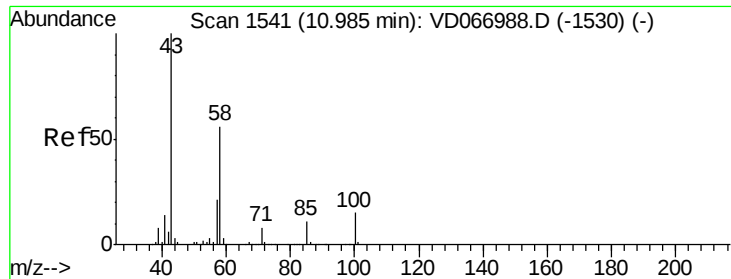
Tgt Ion: 63 Resp: 367250

Ion Ratio Lower Upper

63 100

106 35.3 25.3 37.9





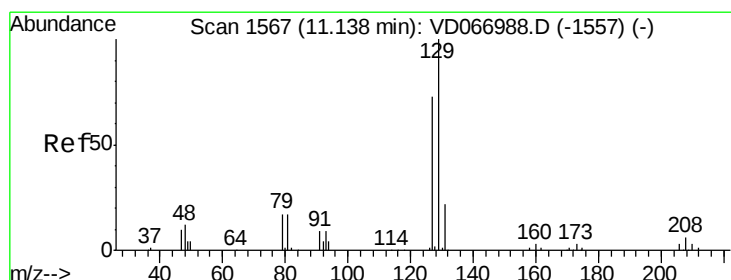
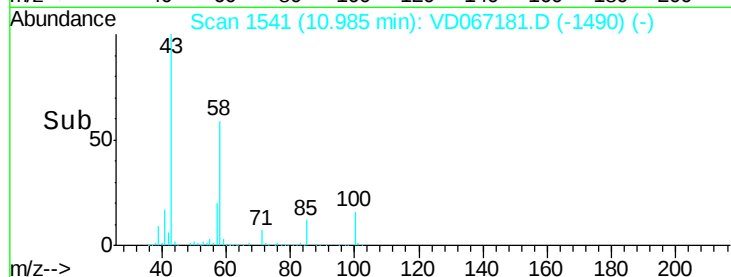
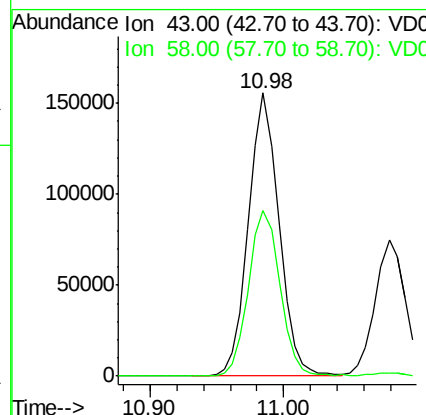
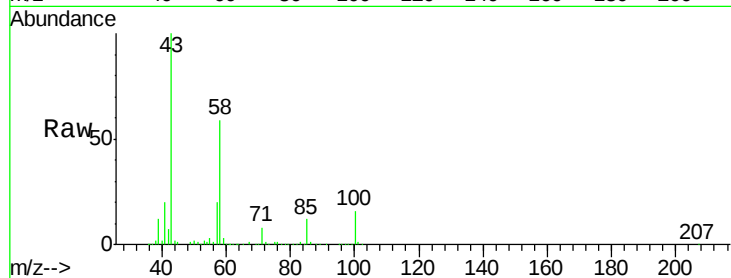
#59
2-Hexanone
Concen: 248.574 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 246275
Ion Ratio Lower Upper
43 100
58 60.4 28.3 84.9

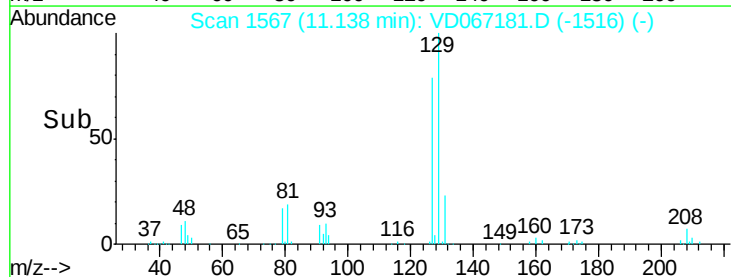
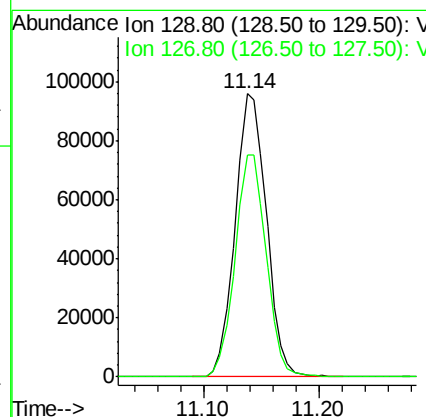
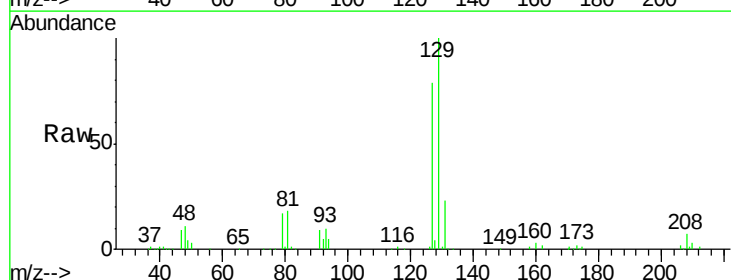
Manual Integrations
APPROVED

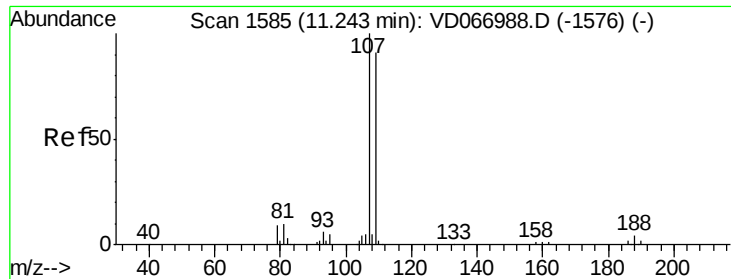
MMDadoda
10/8/2020 5:39:40 PM



#60
Dibromochloromethane
Concen: 55.321 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion: 129 Resp: 179554
Ion Ratio Lower Upper
129 100
127 78.2 37.4 112.1





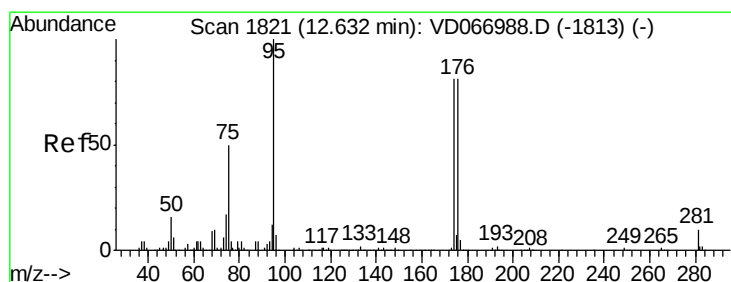
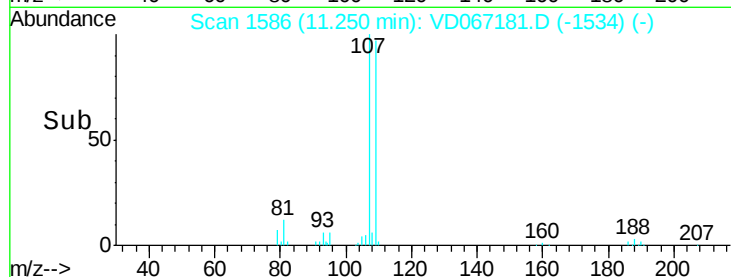
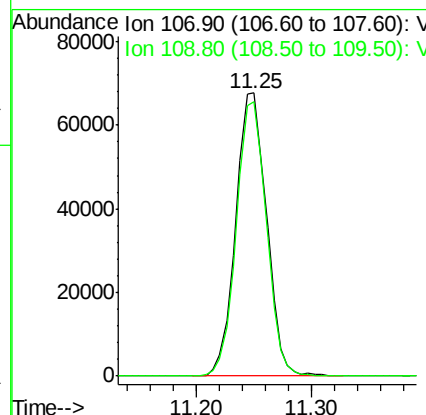
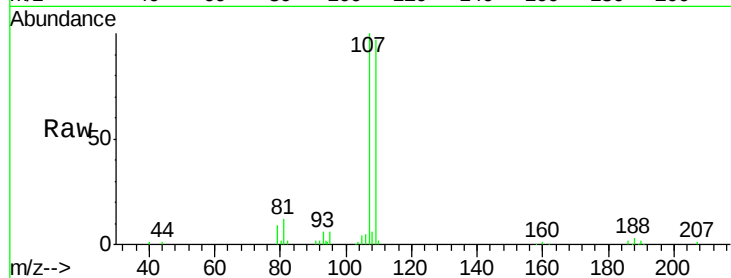
#61
 1,2-Dibromoethane
 Concen: 53.542 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	74.0	111.0

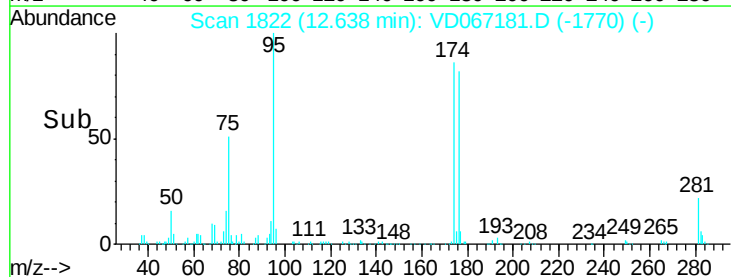
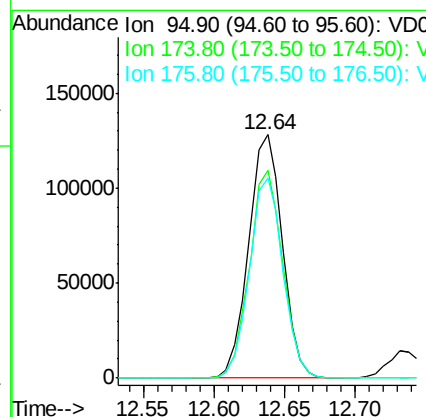
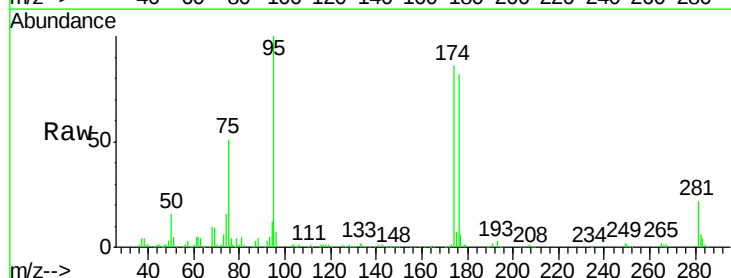
Manual Integrations
 APPROVED

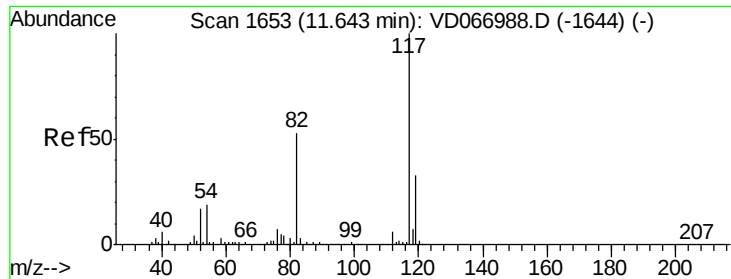
MMDadoda
 10/8/2020 5:39:40 PM



#62
 4-Bromofluorobenzene
 Concen: 53.019 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.5	0.0	167.6
176	81.4	0.0	162.4





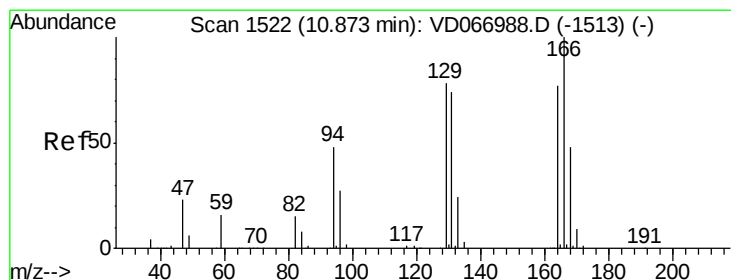
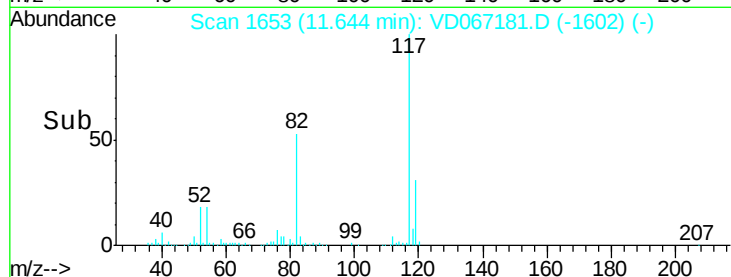
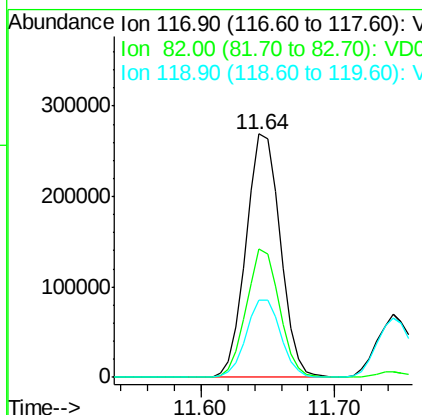
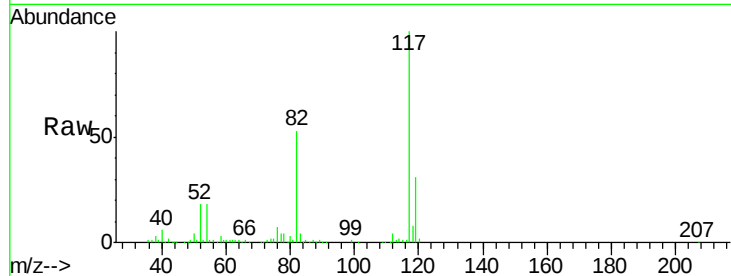
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.6	63.8
119	31.5	26.3	39.5

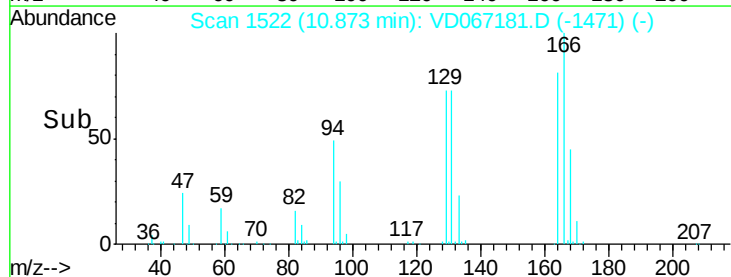
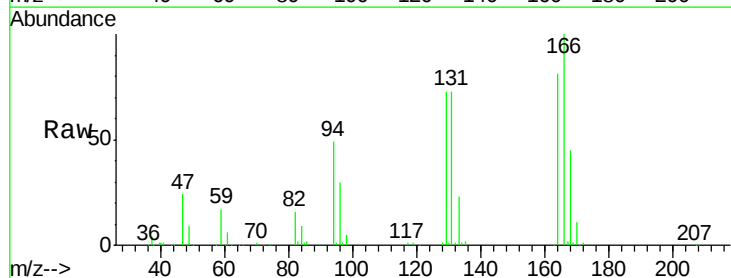
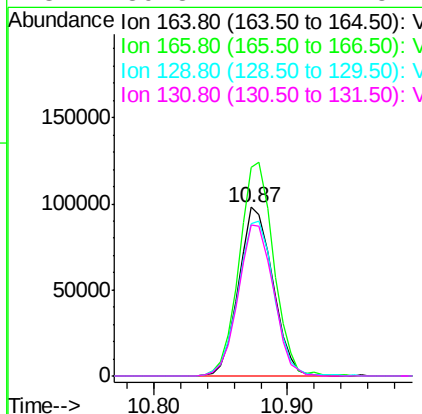
Manual Integrations
APPROVED

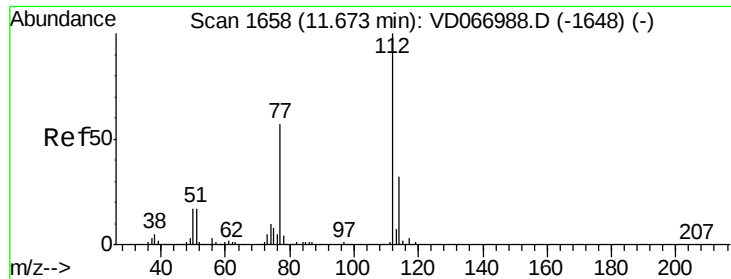
MMDadoda
10/8/2020 5:39:40 PM



#64
Tetrachloroethene
Concen: 50.075 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	104.4	156.6
129	90.1	81.3	121.9
131	89.8	77.1	115.7





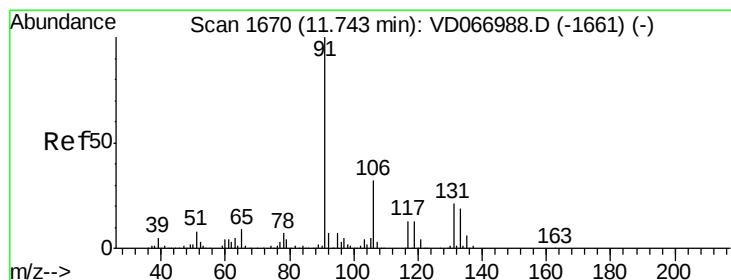
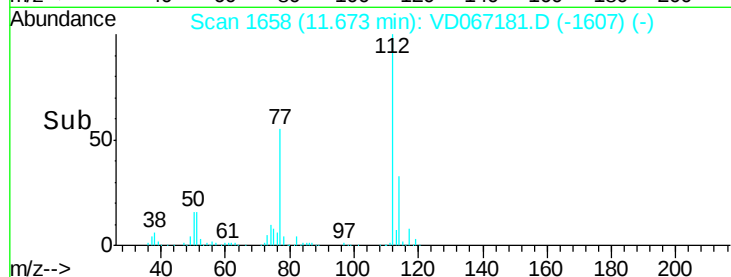
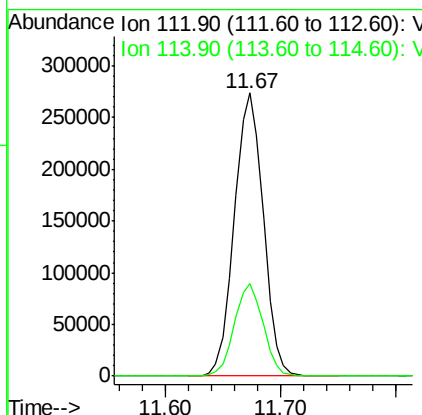
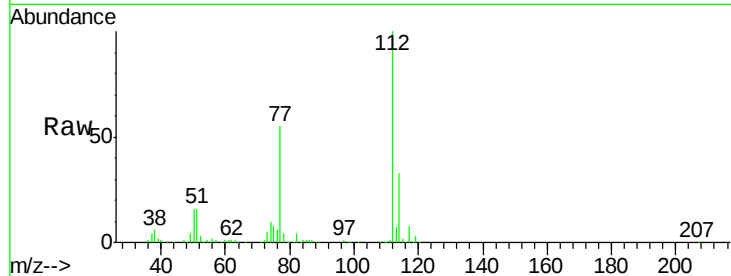
#65
Chlorobenzene
Concen: 49.956 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.4	38.0

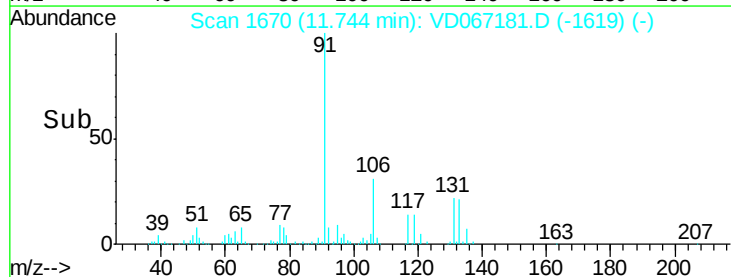
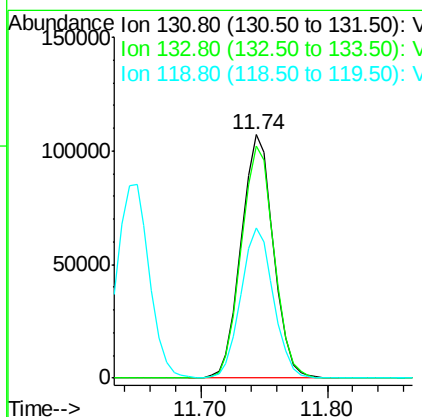
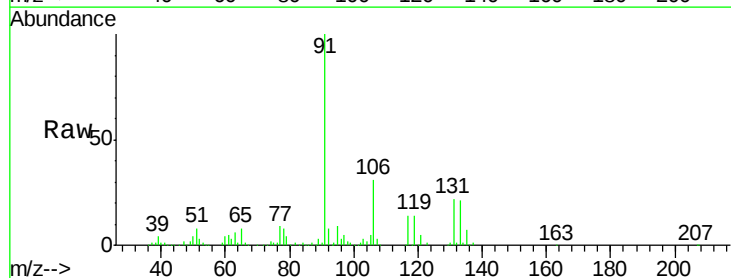
Manual Integrations
APPROVED

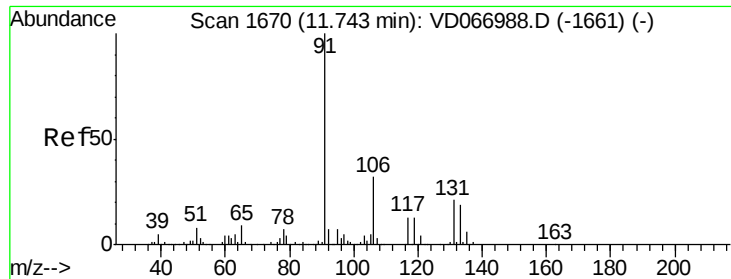
MMDadoda
10/8/2020 5:39:40 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.313 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	47.8	143.3
119	62.0	32.3	96.8





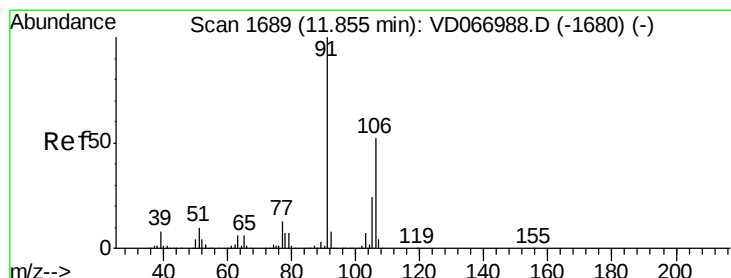
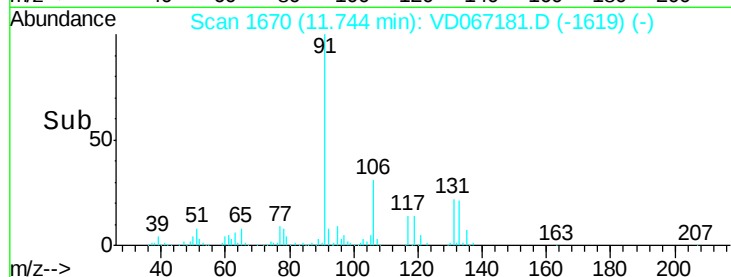
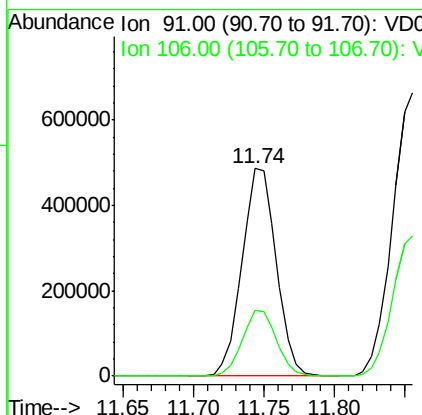
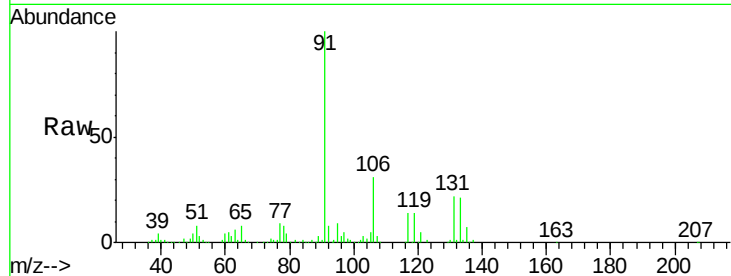
#67
Ethyl Benzene
Concen: 50.887 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 829262
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.2

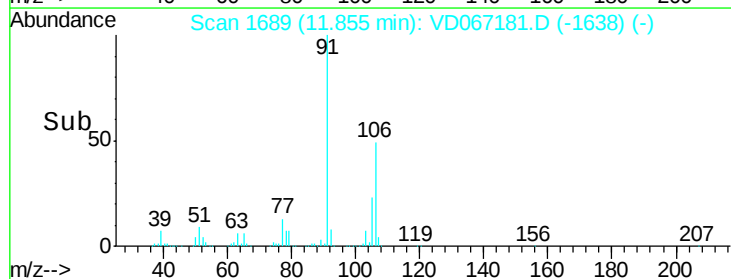
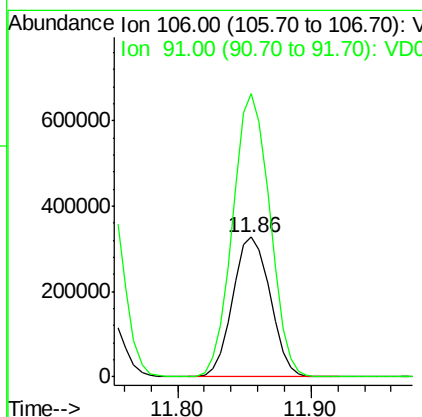
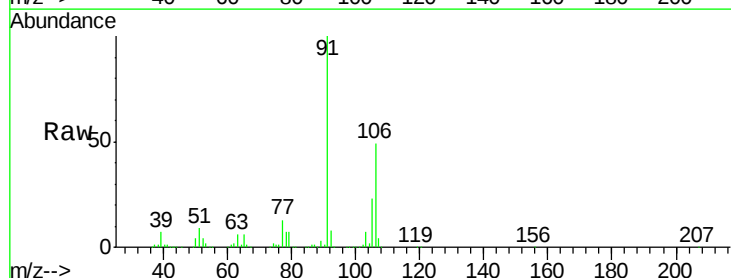
Manual Integrations
APPROVED

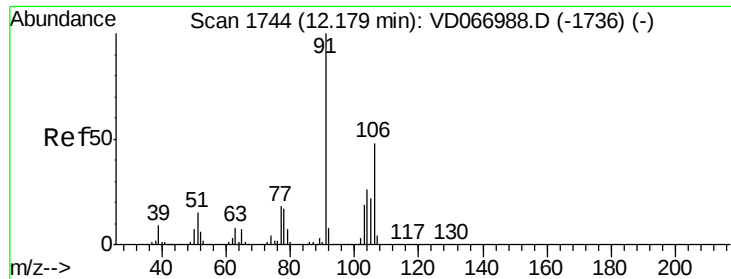
MMDadoda
10/8/2020 5:39:40 PM



#68
m/p-Xylenes
Concen: 100.526 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion: 106 Resp: 638428
Ion Ratio Lower Upper
106 100
91 200.6 158.4 237.6





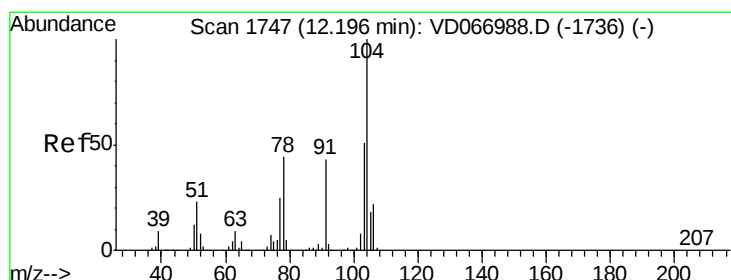
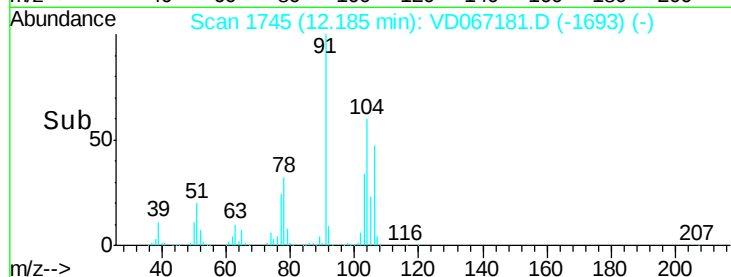
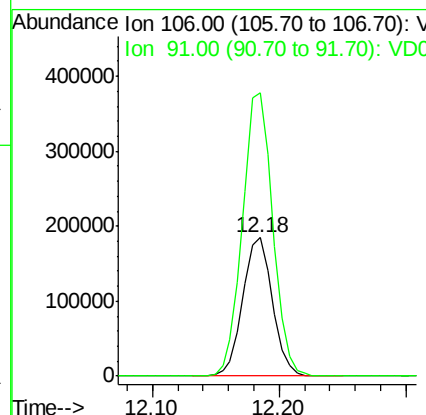
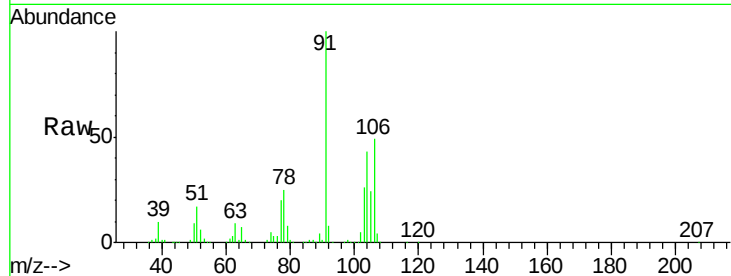
#69
o-Xylene
Concen: 52.641 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		298963		
91	209.7	102.4	307.2		

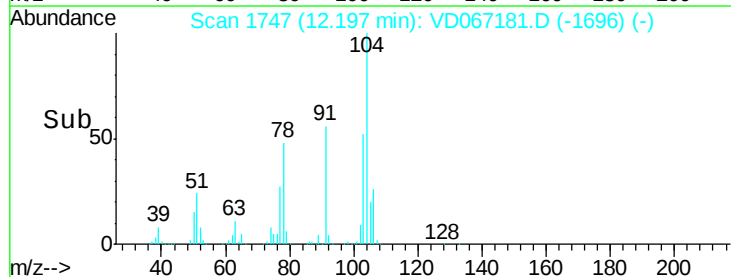
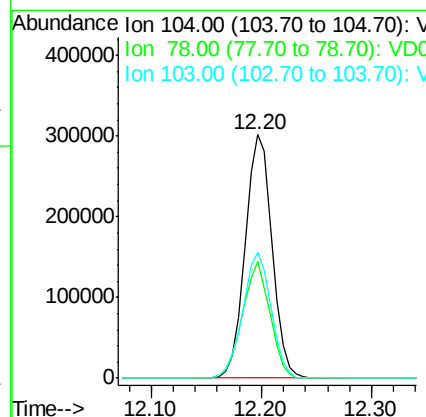
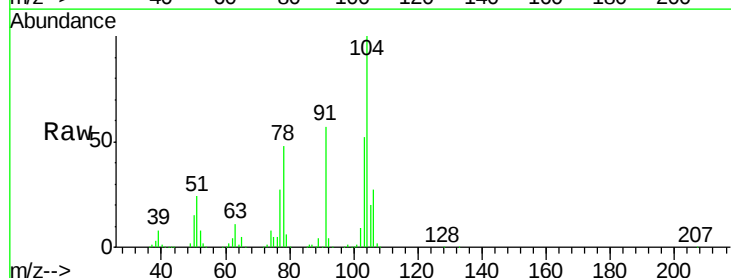
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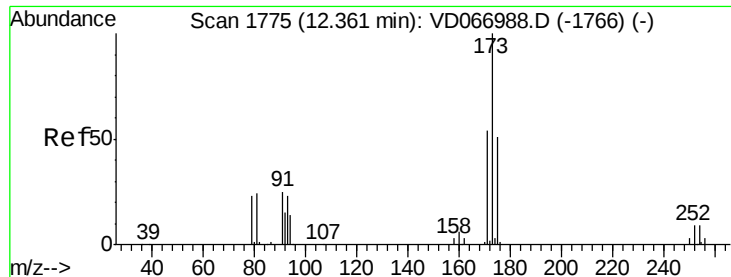
MMDadoda
10/8/2020 5:39:40 PM



#70
Styrene
Concen: 52.969 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		516566		
78	49.0	38.6	58.0		
103	54.5	43.4	65.0		





#71

Bromoform

Concen: 55.957 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 105085

Ion Ratio Lower Upper

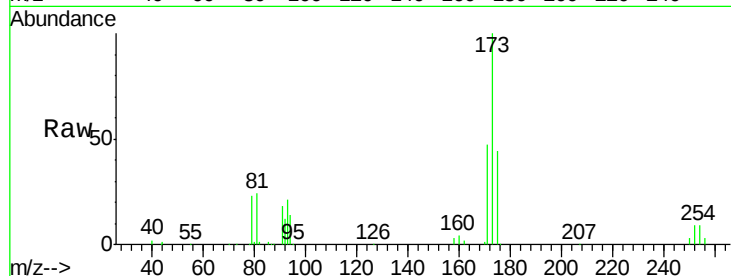
173 100

175 47.4 24.9 74.7

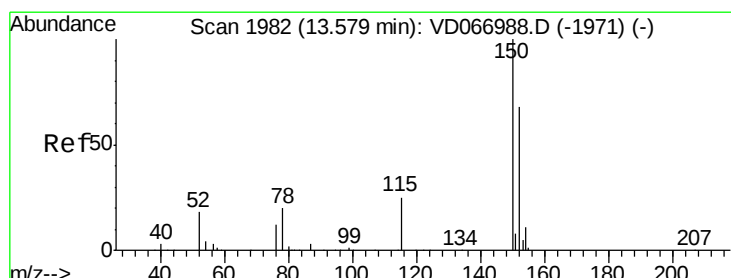
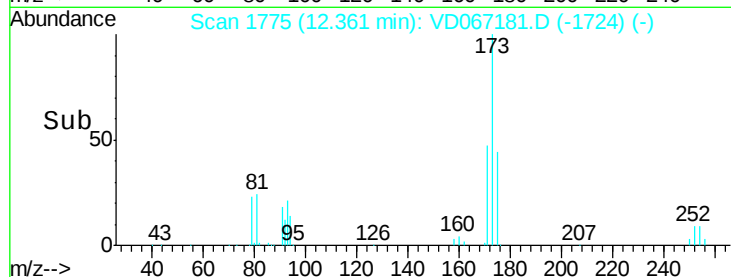
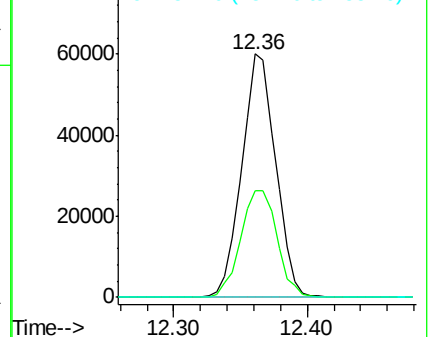
254 0.0 0.2 0.4#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

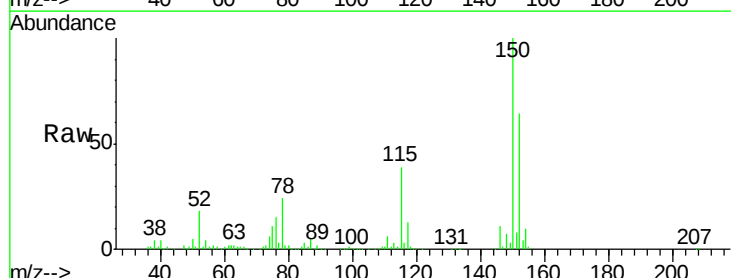
Tgt Ion:152 Resp: 235584

Ion Ratio Lower Upper

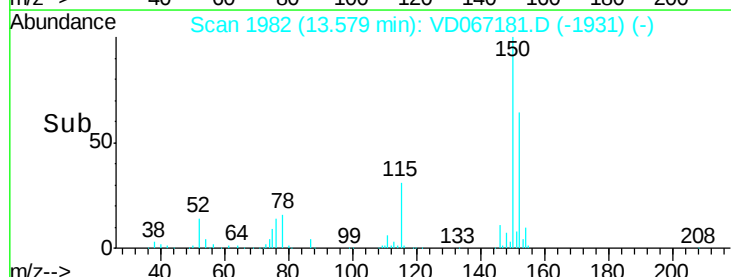
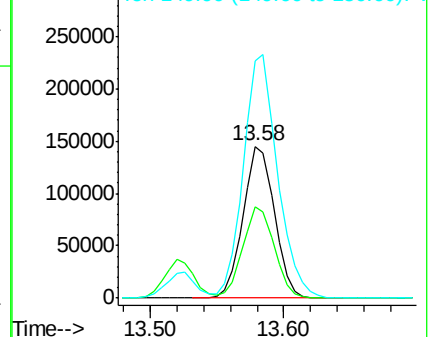
152 100

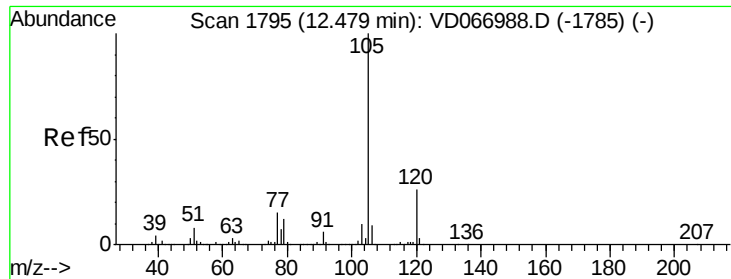
115 60.3 29.6 88.8

150 174.1 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





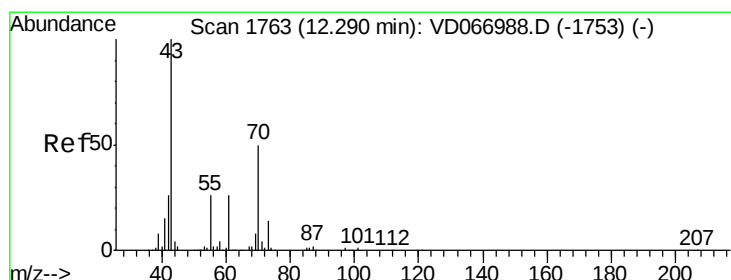
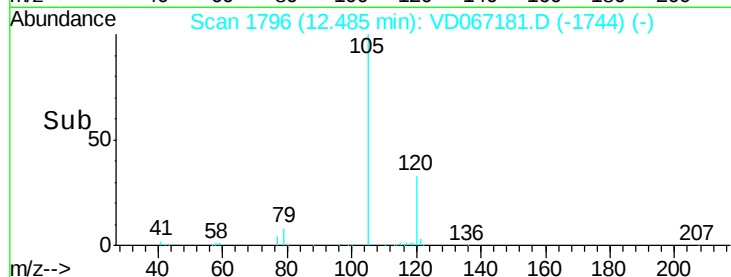
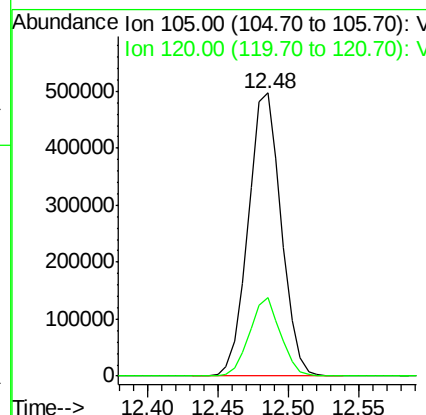
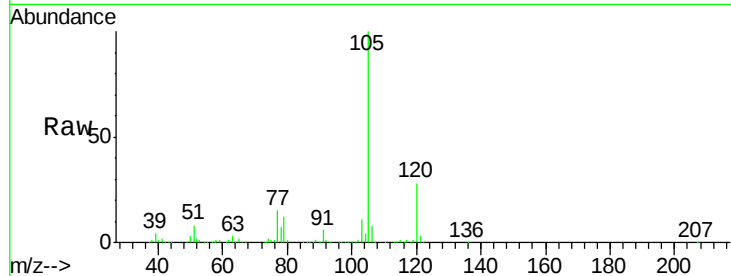
#73
Isopropylbenzene
Concen: 50.810 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.9

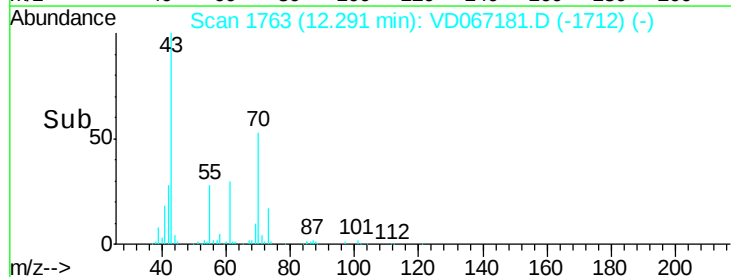
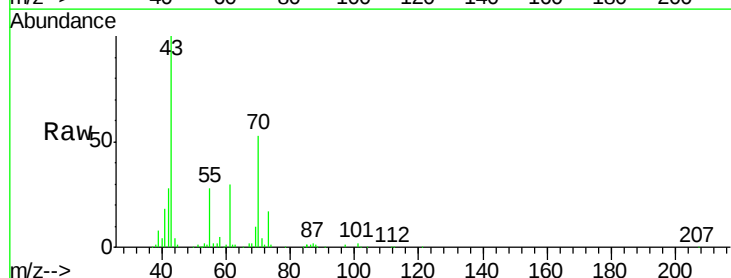
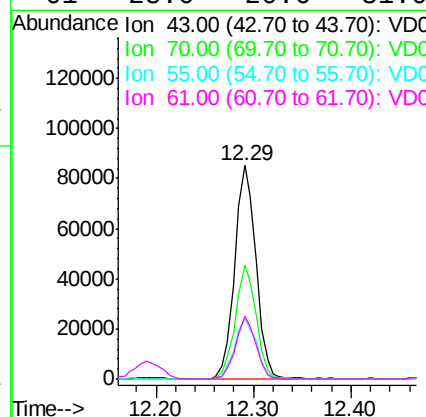
Manual Integrations
APPROVED

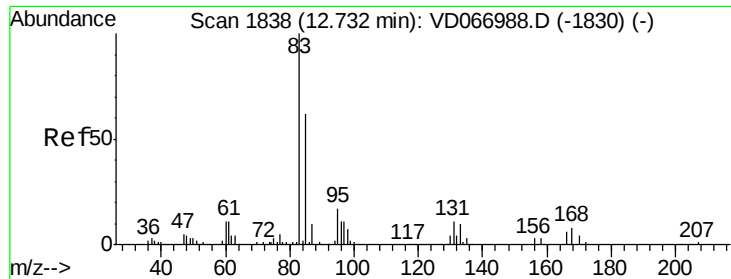
MMDadoda
10/8/2020 5:39:40 PM



#74
N-ethyl acetate
Concen: 44.770 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.0	38.2	57.2
55	29.3	22.4	33.6
61	28.0	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 47.335 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

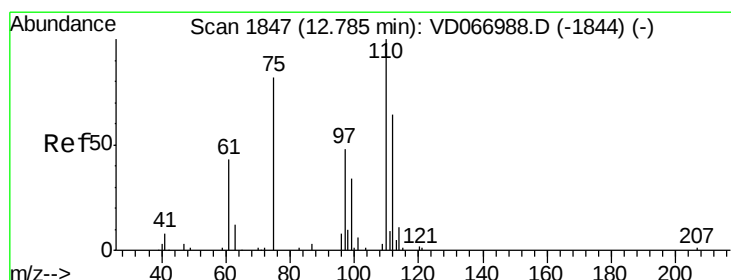
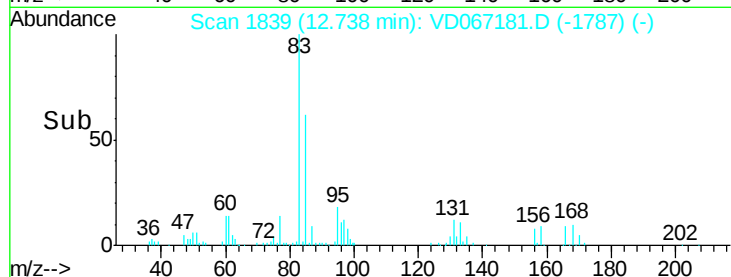
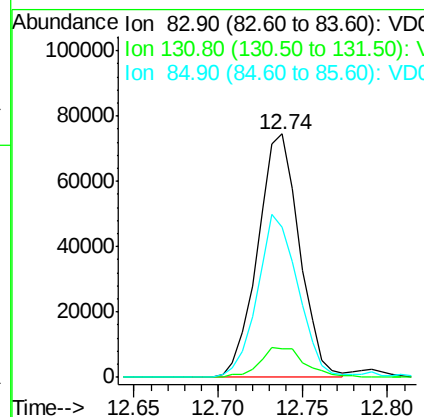
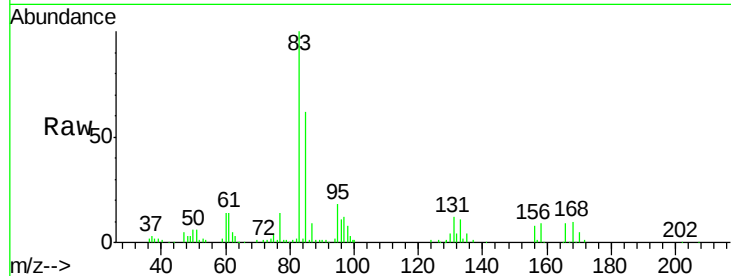
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	127575
Ion Ratio	Lower	Upper	
83	100		
131	13.2	5.7	17.0
85	65.6	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 36.041 ug/l m

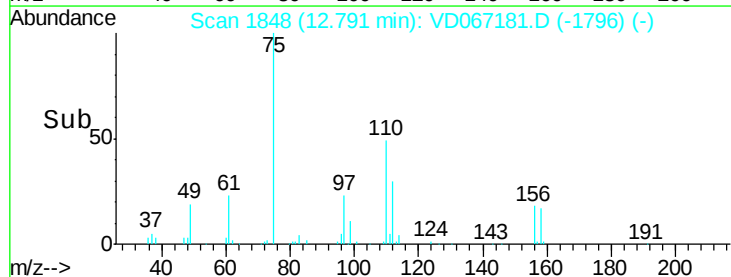
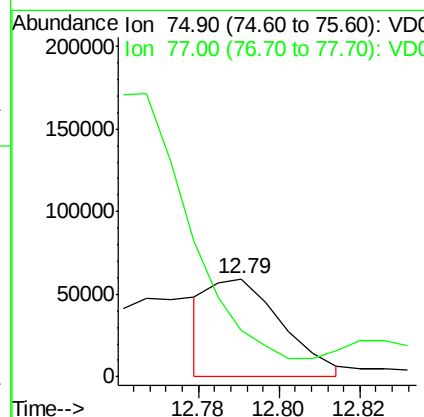
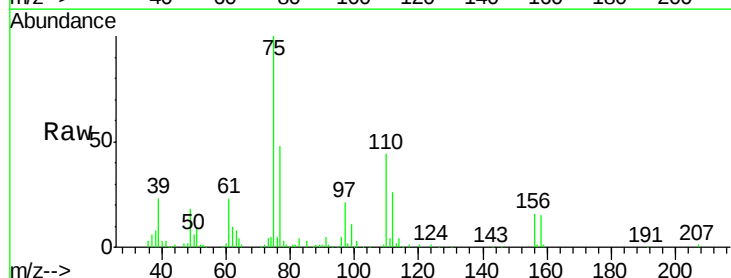
RT: 12.79 min Scan# 1848

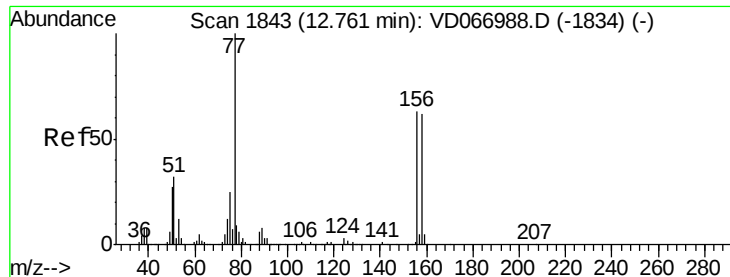
Delta R.T. 0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Tgt Ion:	75	Resp:	73956
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.621 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

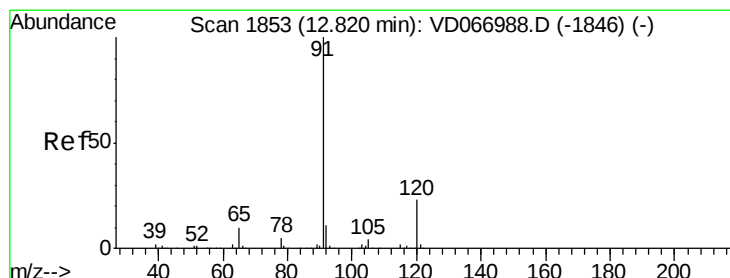
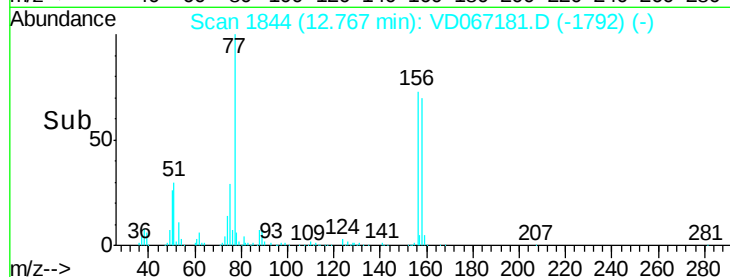
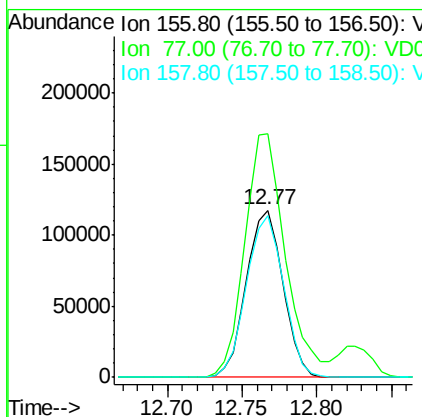
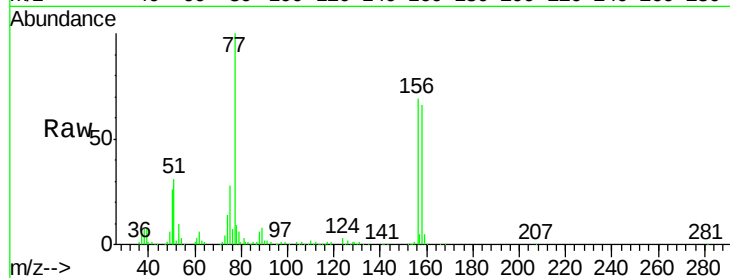
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	199390
Ion Ratio	Lower	Upper	
156	100		
77	162.4	86.3	258.8
158	98.3	49.5	148.3

Manual Integrations
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10/8/2020 5:39:40 PM



#78

n-propylbenzene

Concen: 48.404 ug/l

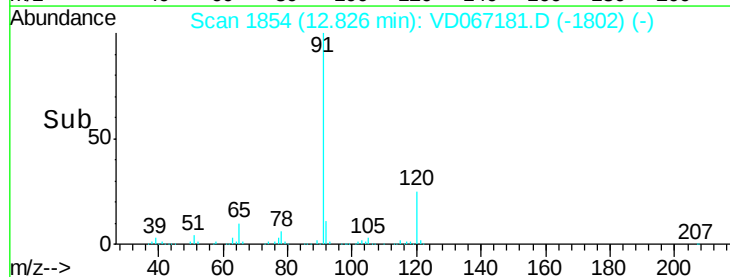
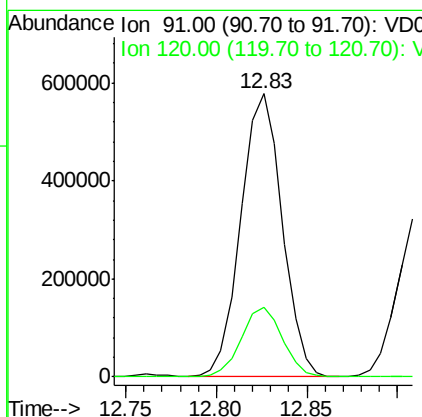
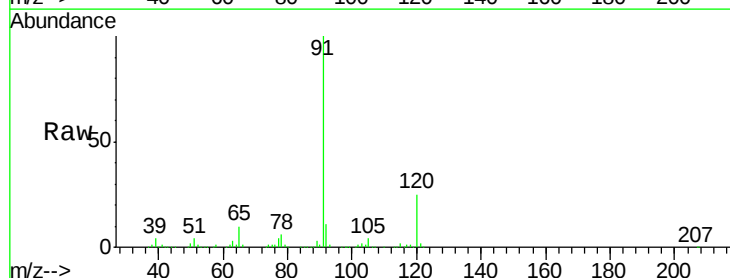
RT: 12.83 min Scan# 1854

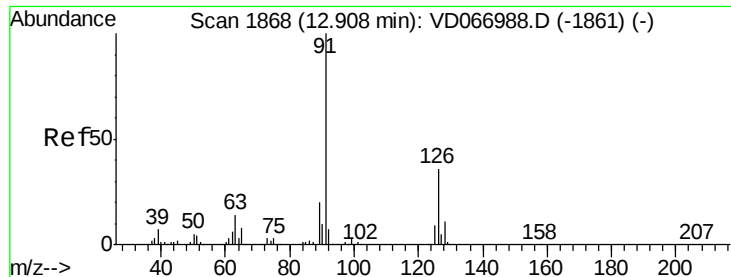
Delta R.T. 0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Tgt Ion:	91	Resp:	915078
Ion Ratio	Lower	Upper	
91	100		
120	24.4	11.6	34.8





#79

2-Chlorotoluene

Concen: 50.140 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 542332

Ion Ratio Lower Upper

91 100

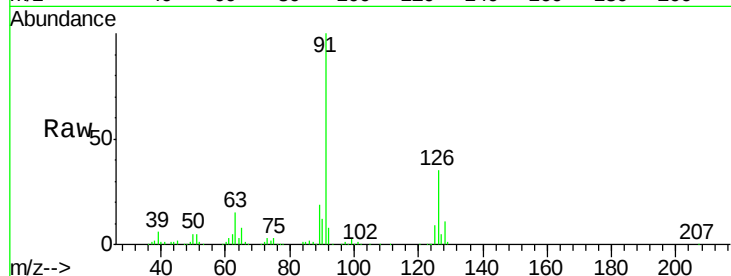
126 35.1 17.5 52.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066988.D (-1861) (-)

500000

400000

300000

200000

100000

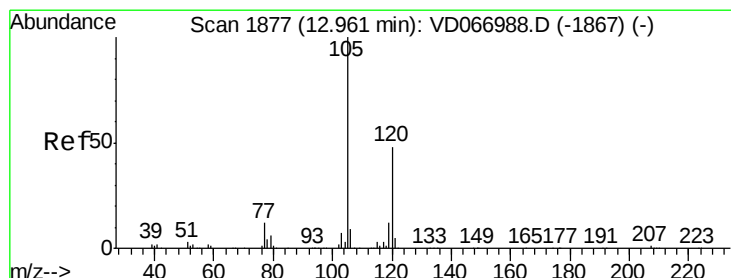
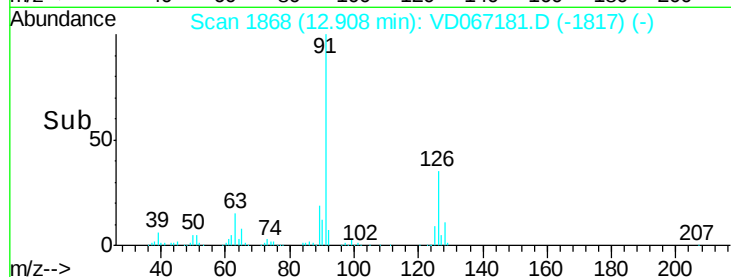
0

12.85

12.90

12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.880 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067181.D

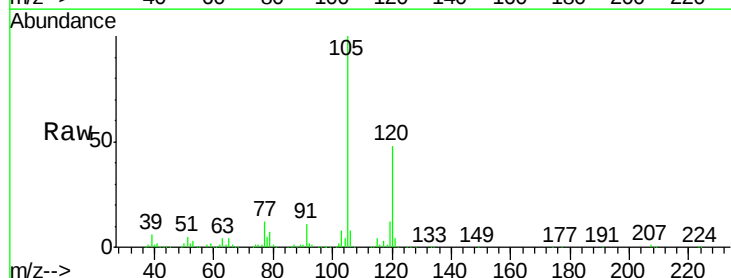
Acq: 08 Oct 2020 05:43

Tgt Ion: 105 Resp: 701161

Ion Ratio Lower Upper

105 100

120 49.1 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD066988.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD066988.D (-1867) (-)

500000

400000

300000

200000

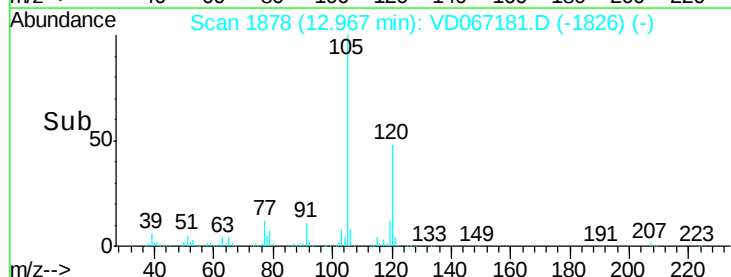
100000

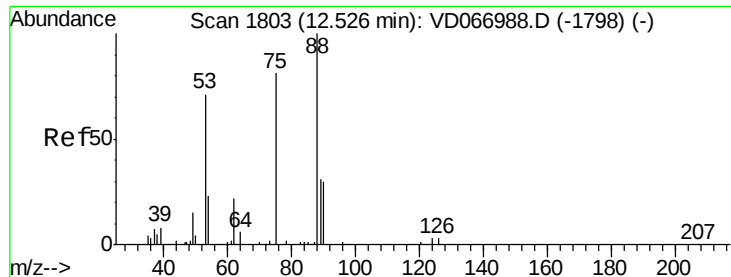
0

12.90

13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 44.968 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 37012

Ion Ratio Lower Upper

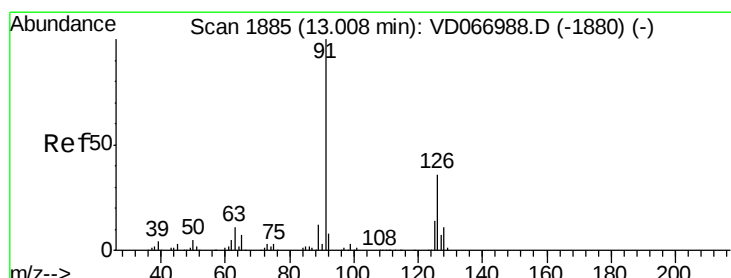
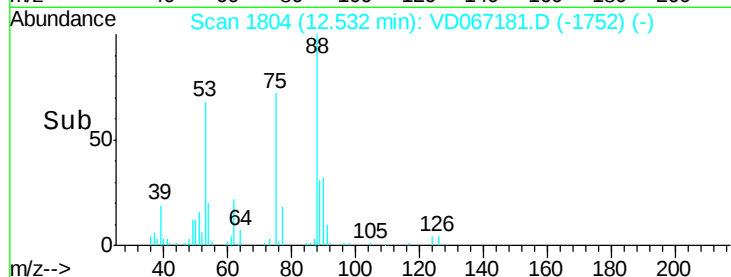
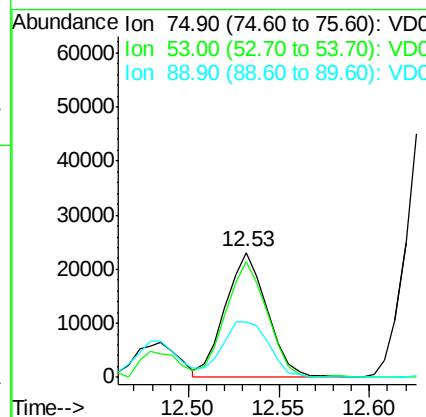
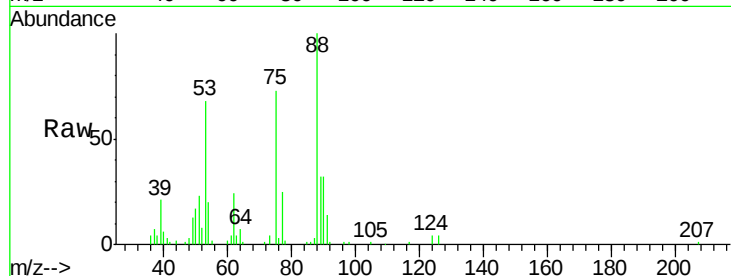
75 100

53 91.4 73.8 110.6

89 50.3 38.9 58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.373 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD067181.D

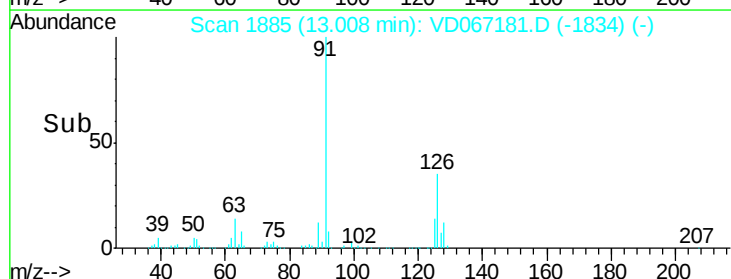
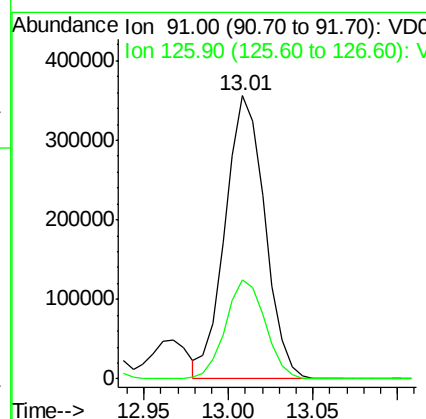
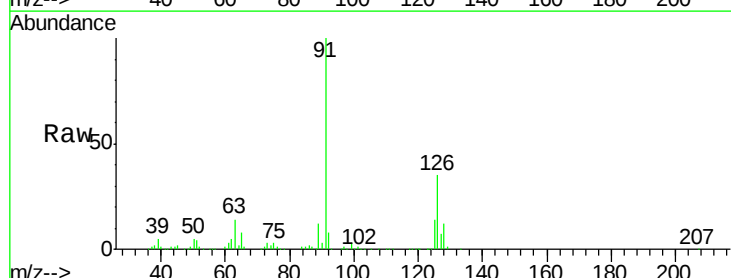
Acq: 08 Oct 2020 05:43

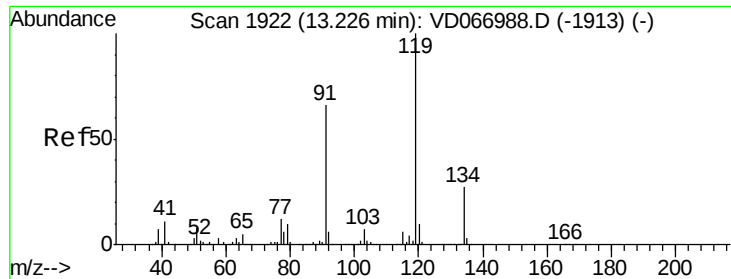
Tgt Ion: 91 Resp: 579704

Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.5





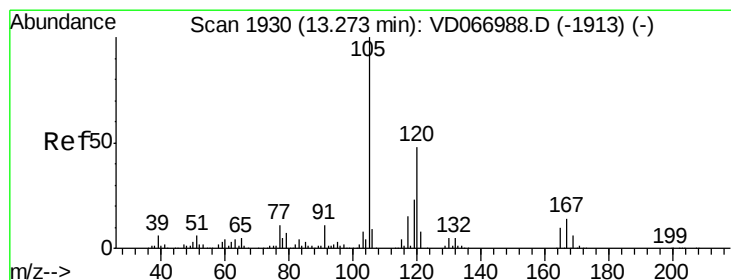
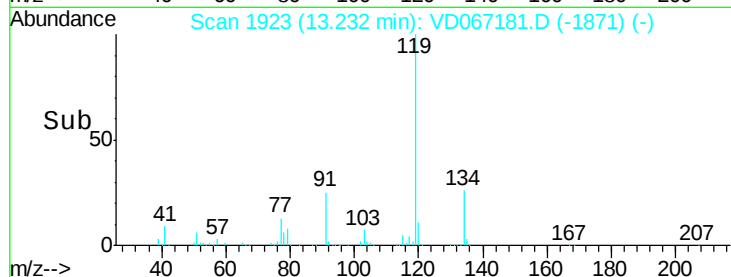
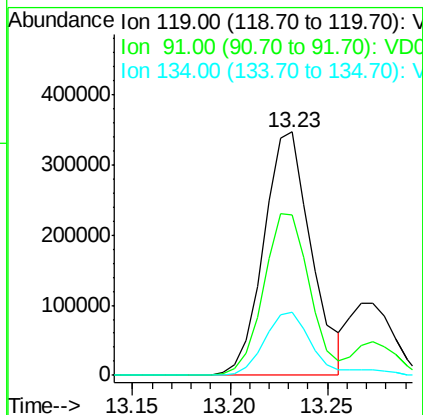
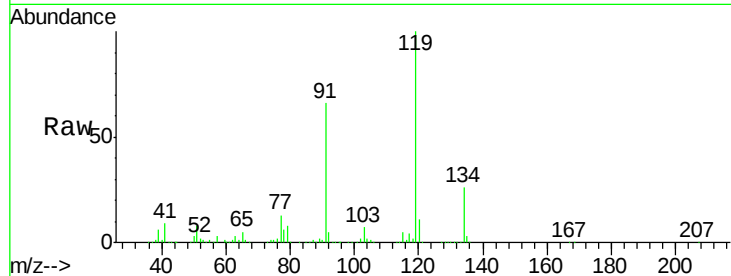
#83
tert-Butylbenzene
Concen: 51.337 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	32.8	98.3
134	27.0	13.9	41.7

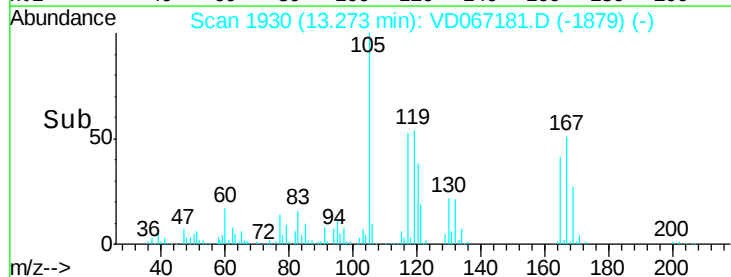
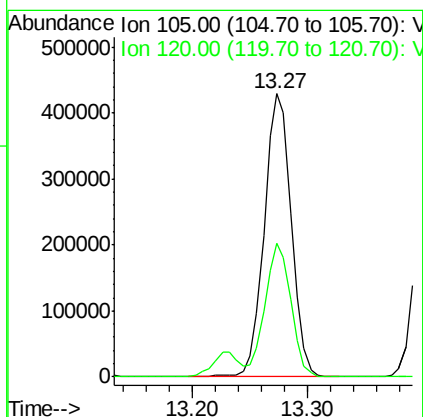
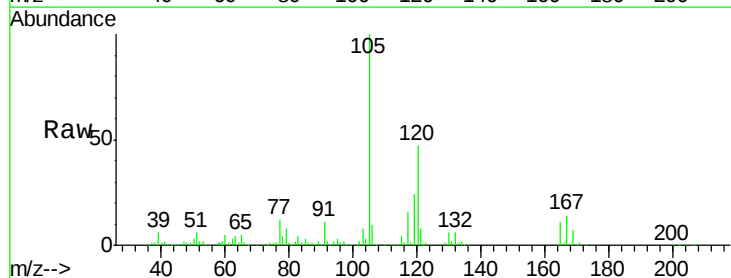
Manual Integrations
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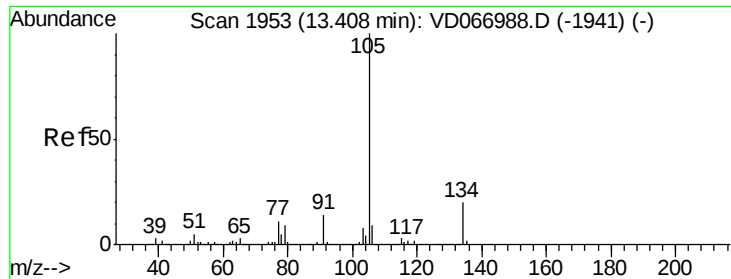
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.927 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	23.3	69.8





#85

sec-Butylbenzene

Concen: 48.962 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 784740

Ion Ratio Lower Upper

105 100

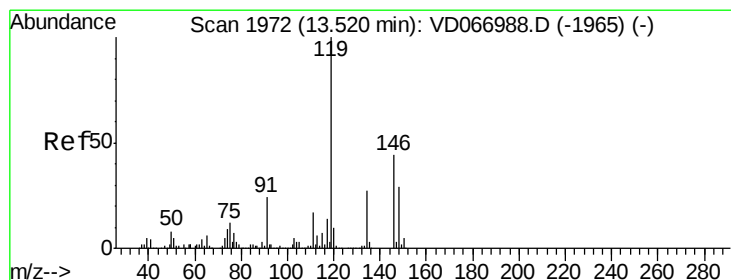
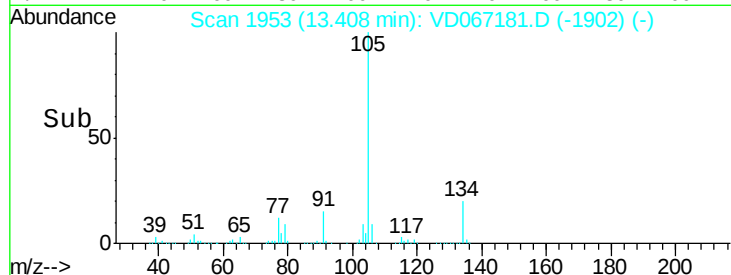
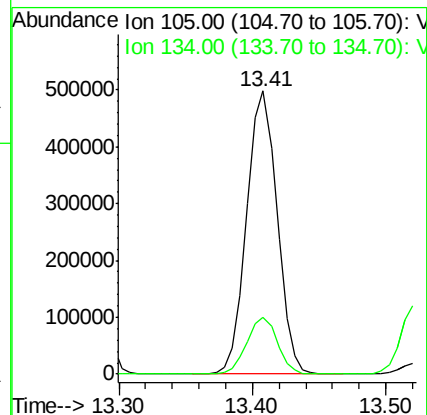
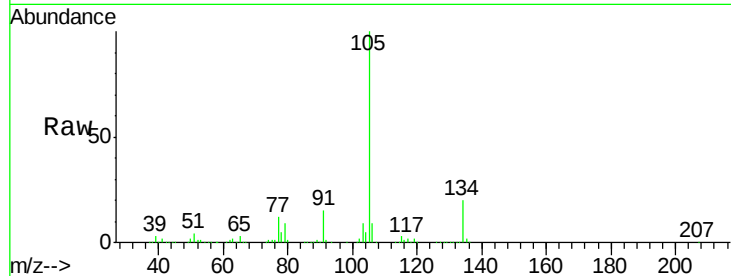
134 20.1 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.258 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

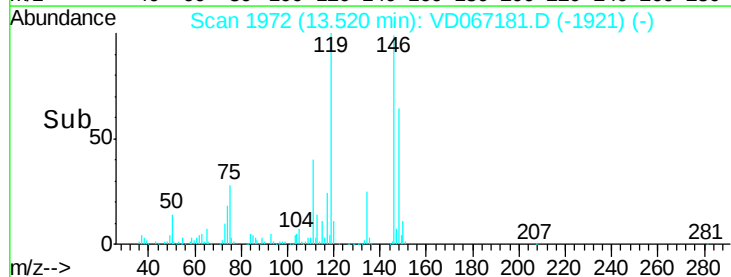
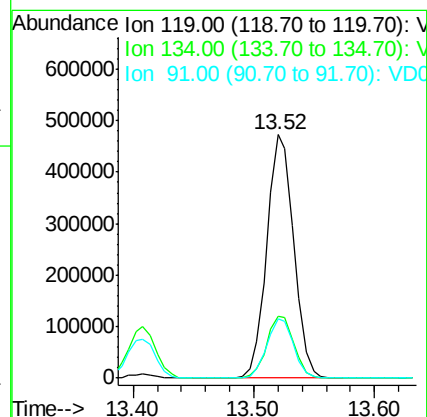
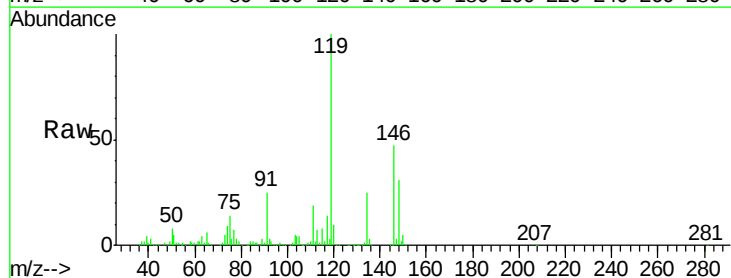
Tgt Ion:119 Resp: 731939

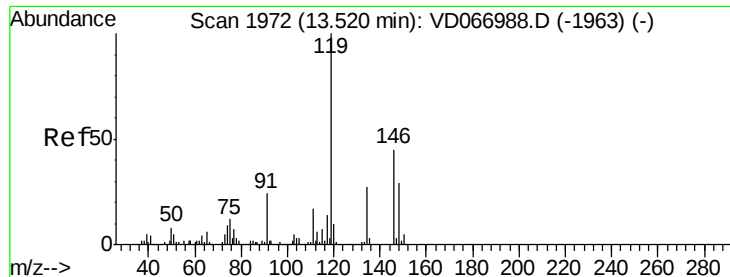
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.1

91 24.2 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 49.719 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:146 Resp: 374062

Ion Ratio Lower Upper

146 100

111 40.1 20.0 60.0

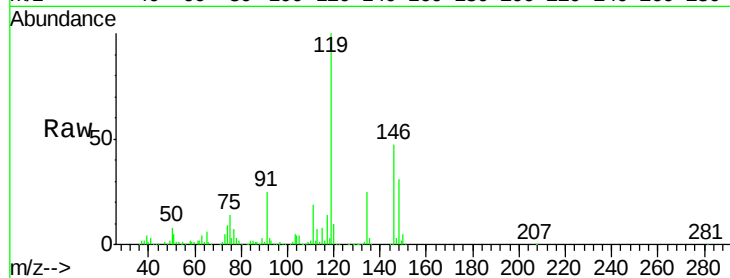
148 65.3 31.9 95.9

Manual Integrations

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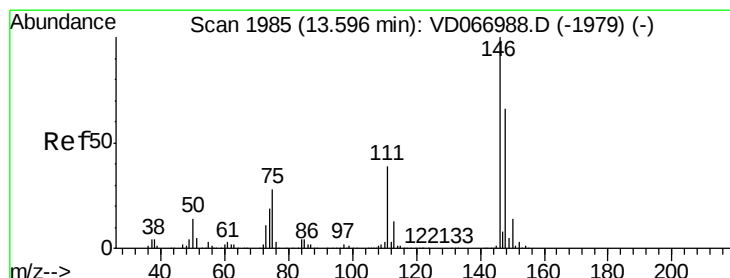
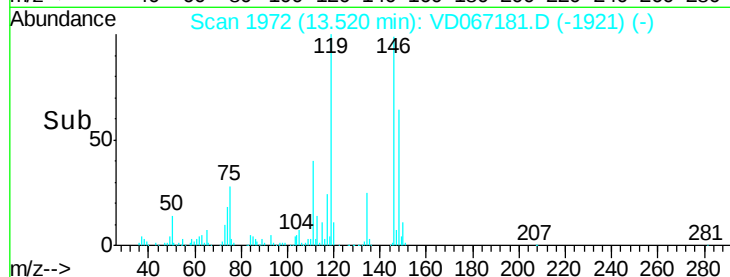
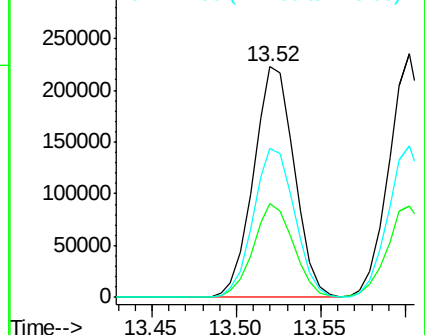
10/8/2020 5:39:40 PM



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



#88

1,4-Dichlorobenzene

Concen: 49.600 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. 0.01 min

Lab File: VD067181.D

Acq: 08 Oct 2020 05:43

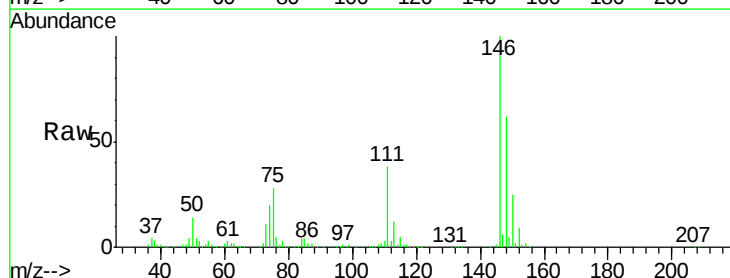
Tgt Ion:146 Resp: 373128

Ion Ratio Lower Upper

146 100

111 39.4 19.6 58.7

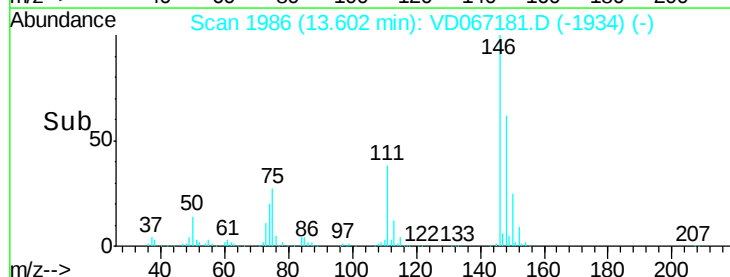
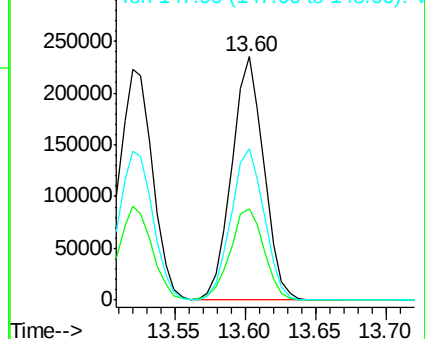
148 64.5 32.6 97.7

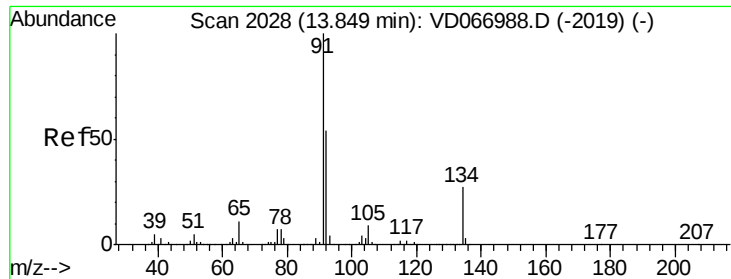


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





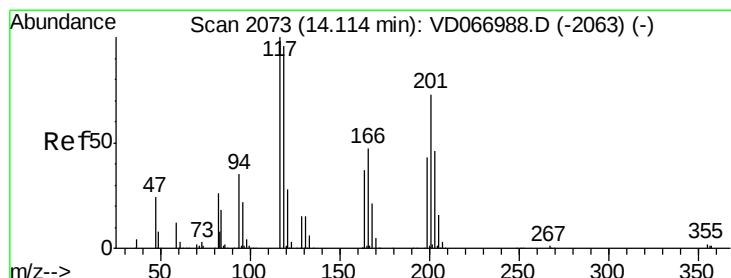
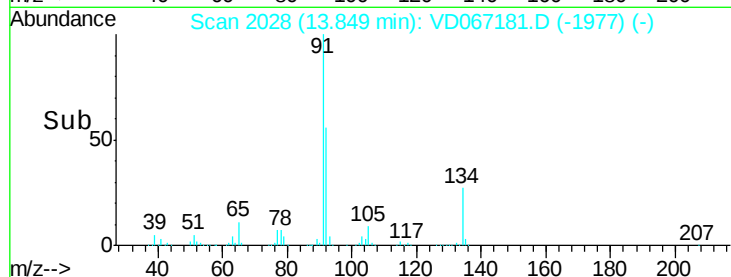
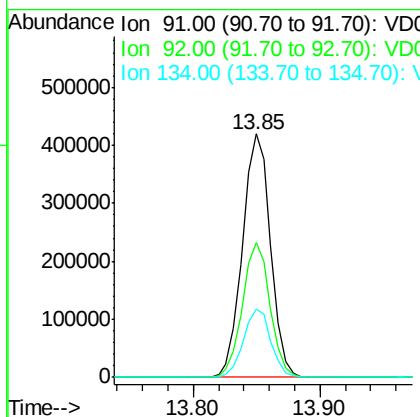
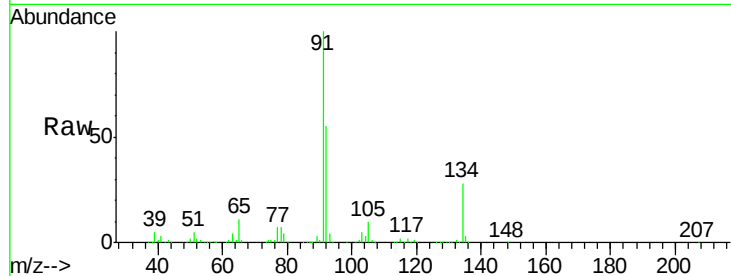
#89
n-Butylbenzene
Concen: 47.201 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.1	81.2
134	27.7	13.6	40.8

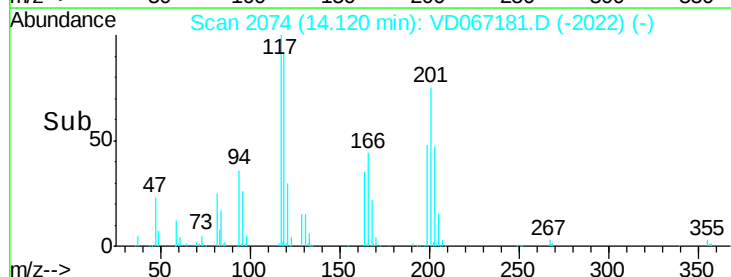
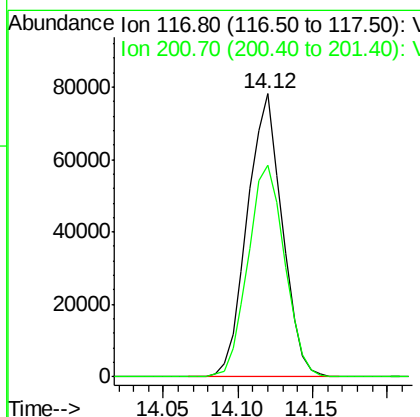
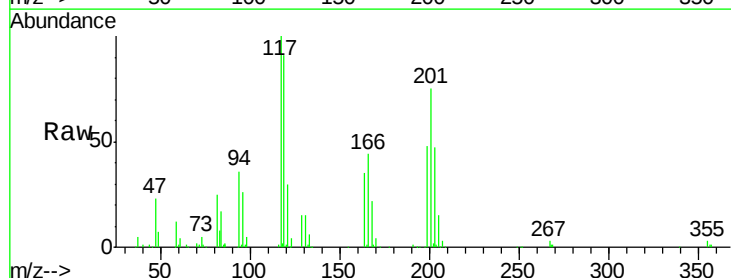
Manual Integrations
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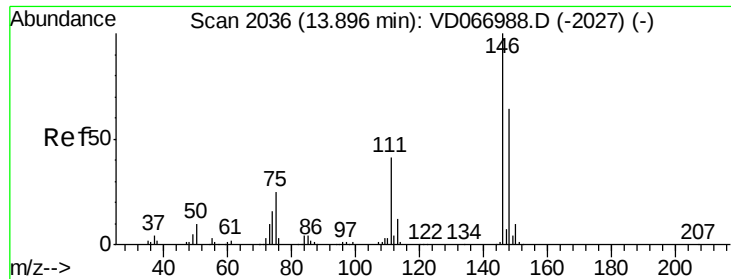
MMDadoda
10/8/2020 5:39:40 PM



#90
Hexachloroethane
Concen: 48.513 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.4	37.0	110.9





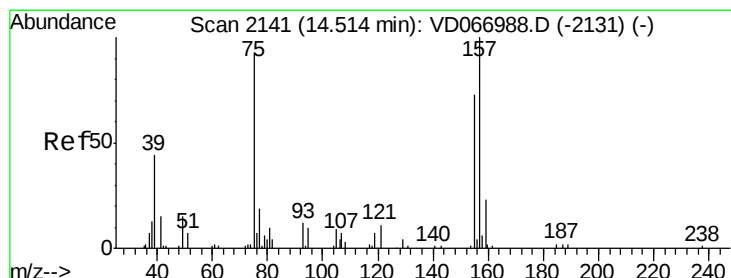
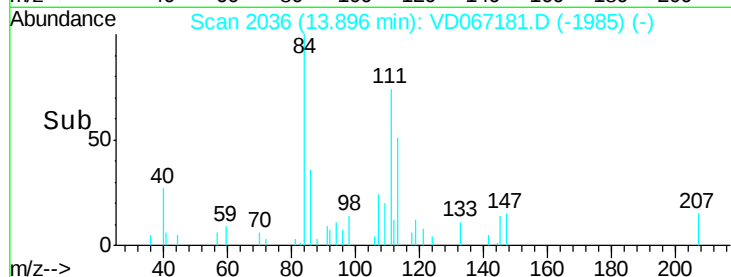
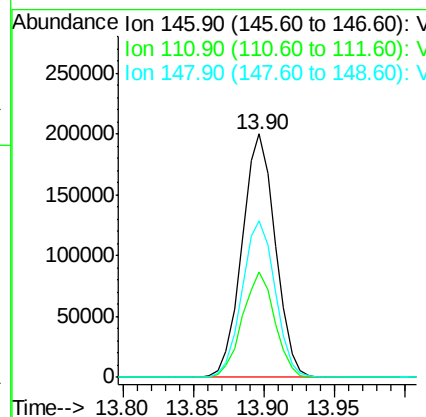
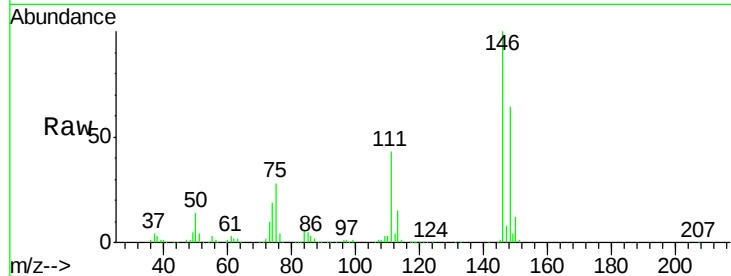
#91
 1,2-Dichlorobenzene
 Concen: 50.272 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.9	62.7
148	63.9	32.3	96.9

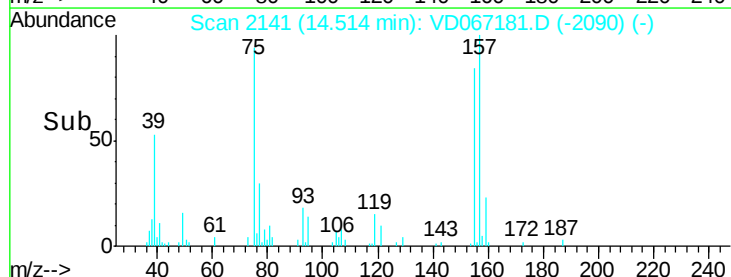
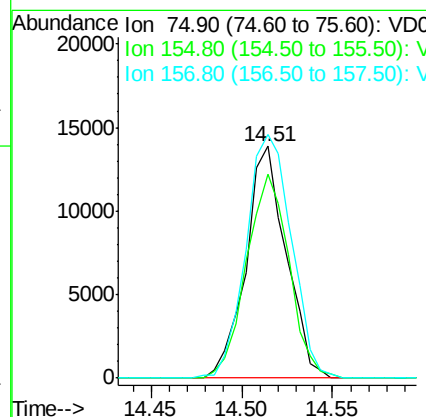
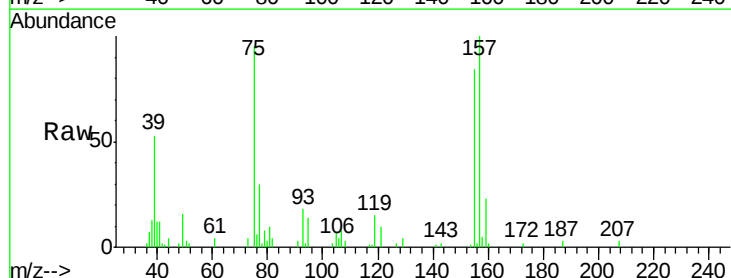
Manual Integrations
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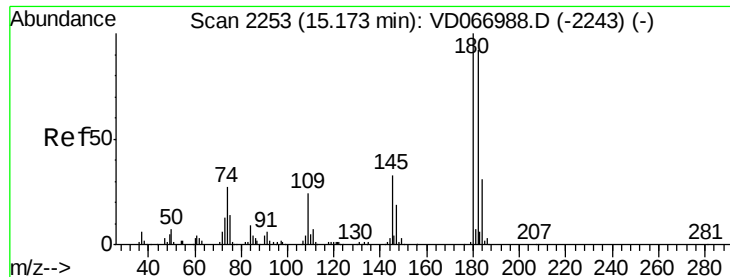
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.301 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	45.2	135.6
157	118.4	56.3	168.8





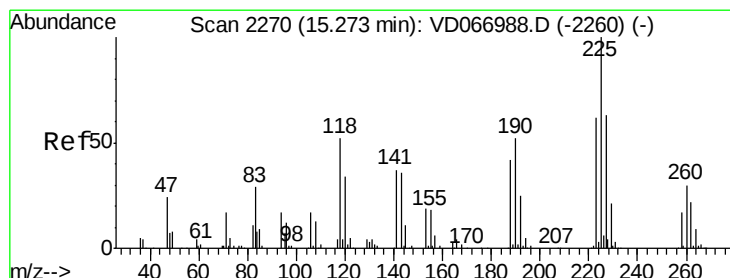
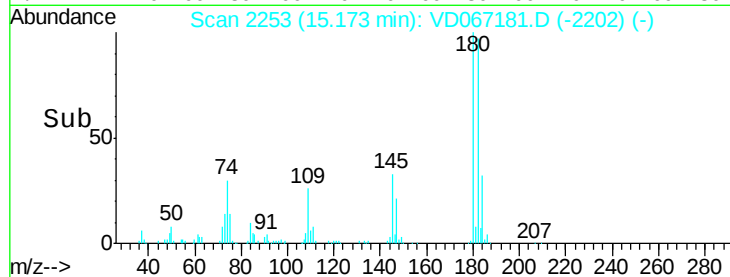
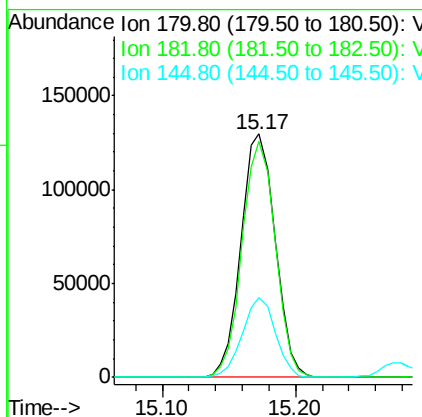
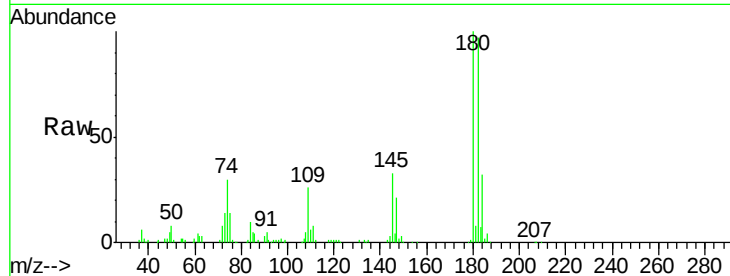
#93
 1,2,4-Trichlorobenzene
 Concen: 54.128 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.9	47.3	142.0	
145	31.5	16.4	49.1	

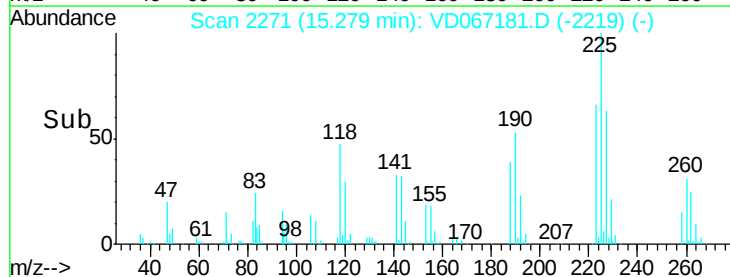
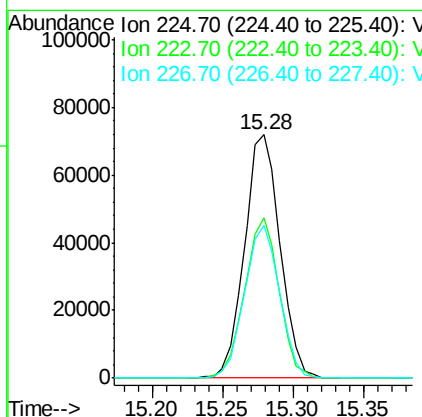
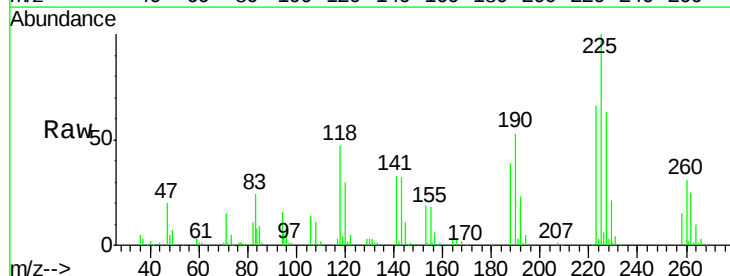
Manual Integrations
 APPROVED

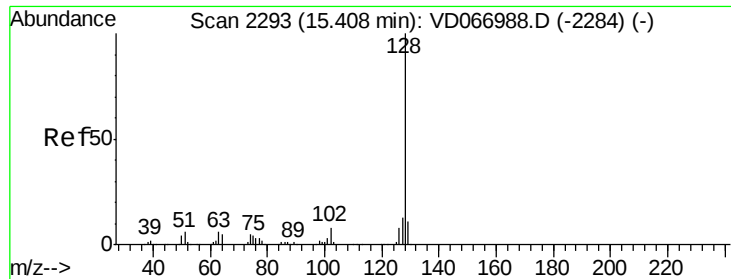
MMDadoda
 10/8/2020 5:39:40 PM



#94
 Hexachlorobutadiene
 Concen: 48.589 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067181.D
 Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	32.4	97.0	
227	61.9	31.6	95.0	





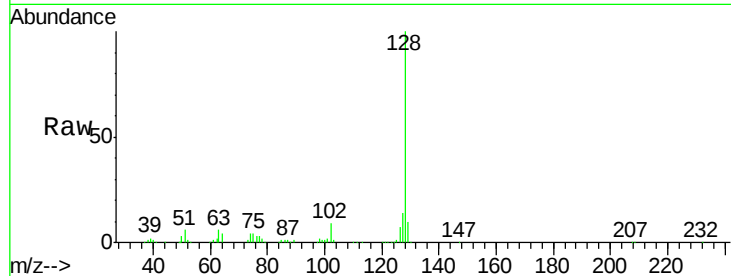
#95
Naphthalene
Concen: 55.693 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

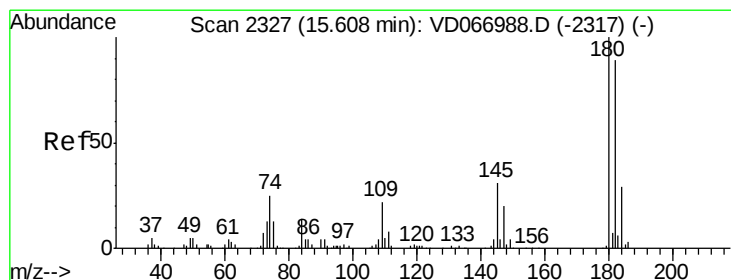
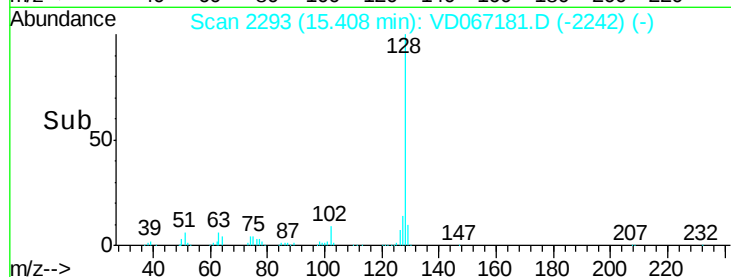
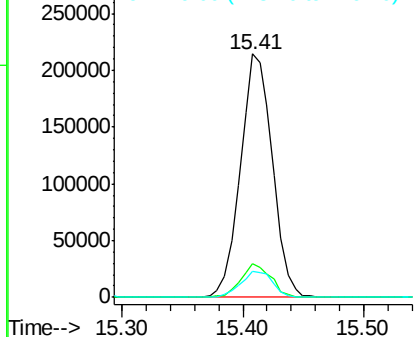
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/8/2020 5:39:40 PM

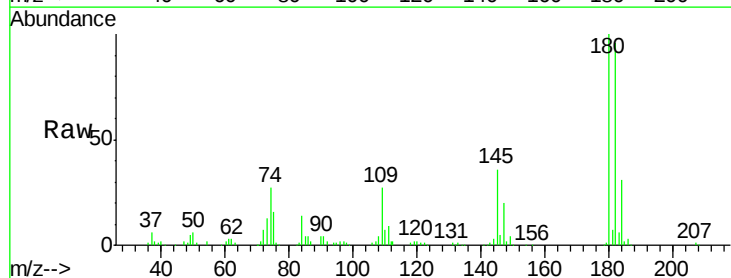


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 54.374 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD067181.D
Acq: 08 Oct 2020 05:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.4	139.1
145	35.1	16.6	49.7



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

