

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066862.D
 Acq On : 24 Sep 2020 20:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2020 4:00:18 PM

Quant Time: Sep 25 02:56:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	429776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	721729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	664787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309026	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	214203	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	7.91	113	219567	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
50) Toluene-d8	10.34	98	789800	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.63	95	285504	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	136341	44.903	ug/l	95
3) Chloromethane	2.21	50	179230	45.389	ug/l	93
4) Vinyl Chloride	2.35	62	177519	45.505	ug/l	94
5) Bromomethane	2.77	94	134733	49.137	ug/l	98
6) Chloroethane	2.93	64	113730	46.946	ug/l	93
7) Trichlorofluoromethane	3.27	101	361581	45.131	ug/l	98
8) Diethyl Ether	3.71	74	111993	55.061	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	212928	45.833	ug/l	100
10) Methyl Iodide	4.30	142	206597	50.395	ug/l	96
11) Tert butyl alcohol	5.23	59	68553	274.442	ug/l	98
12) 1,1-Dichloroethene	4.07	96	204565	48.608	ug/l	97
13) Acrolein	3.92	56	70006	225.600	ug/l	93
14) Allyl chloride	4.71	41	318360	51.517	ug/l	98
15) Acrylonitrile	5.43	53	244079	270.785	ug/l	98
16) Acetone	4.16	43	190575	213.568	ug/l	98
17) Carbon Disulfide	4.41	76	601244	46.730	ug/l	96
18) Methyl Acetate	4.71	43	110292	55.817	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	515538	56.409	ug/l	100
20) Methylene Chloride	4.97	84	273017	57.572	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	248449	50.985	ug/l	94
22) Diisopropyl ether	6.36	45	695376	54.727	ug/l	99
23) Vinyl Acetate	6.30	43	1817808	263.361	ug/l	98
24) 1,1-Dichloroethane	6.27	63	428510	50.411	ug/l	97
25) 2-Butanone	7.21	43	286378	267.057	ug/l	98
26) 2,2-Dichloropropane	7.21	77	355238	45.596	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	282238	53.307	ug/l	99
28) Bromochloromethane	7.54	49	190472	54.240	ug/l	97
29) Tetrahydrofuran	7.56	42	190287	276.938	ug/l	98
30) Chloroform	7.71	83	469267	51.215	ug/l	97
31) Cyclohexane	7.98	56	347879	45.484	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	409410	49.393	ug/l	100
36) 1,1-Dichloropropene	8.11	75	339021	47.348	ug/l	98
37) Ethyl Acetate	7.30	43	137975	53.304	ug/l	97
38) Carbon Tetrachloride	8.10	117	361421	46.170	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	391124	47.577	ug/l	97
40) Benzene	8.35	78	990467	49.634	ug/l	96
41) Methacrylonitrile	7.53	41	82719	51.965	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	290257	49.202	ug/l	99
43) Isopropyl Acetate	8.45	43	263814	52.864	ug/l	98
44) Trichloroethene	9.11	130	278993	49.050	ug/l	98
45) 1,2-Dichloropropane	9.38	63	250496	49.892	ug/l	98
46) Dibromomethane	9.47	93	140131	51.370	ug/l	100
47) Bromodichloromethane	9.66	83	364500	49.741	ug/l #	99
48) Methyl methacrylate	9.45	41	126757	51.517	ug/l	99
49) 1,4-Dioxane	9.46	88	34170	1116.662	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	680812	269.238	ug/l	99
52) Toluene	10.40	92	661293	51.447	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	324355	52.004	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	390171	51.303	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	189234	50.461	ug/l	95
56) Ethyl methacrylate	10.66	69	227648	56.666	ug/l	96
57) 1,3-Dichloropropane	10.94	76	320030	51.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	456180	239.817	ug/l	97
59) 2-Hexanone	10.98	43	459086	269.217	ug/l	97
60) Dibromochloromethane	11.14	129	252463	51.583	ug/l	100
61) 1,2-Dibromoethane	11.24	107	186952	53.598	ug/l	99
64) Tetrachloroethene	10.87	164	238246	49.822	ug/l	100
65) Chlorobenzene	11.67	112	705538	50.986	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	267977	51.166	ug/l	98
67) Ethyl Benzene	11.74	91	1257300	51.733	ug/l	100
68) m/p-Xylenes	11.85	106	960119	104.341	ug/l	100
69) o-Xylene	12.18	106	445896	53.590	ug/l	99
70) Styrene	12.19	104	776210	53.719	ug/l	99
71) Bromoform	12.36	173	140704	53.061	ug/l #	98
73) Isopropylbenzene	12.48	105	1202633	53.872	ug/l	99
74) N-amyl acetate	12.29	43	242861	55.708	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	207303	53.815	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	123340m	48.162	ug/l	
77) Bromobenzene	12.76	156	279242	53.483	ug/l	97
78) n-propylbenzene	12.82	91	1408964	52.462	ug/l	100
79) 2-Chlorotoluene	12.91	91	791162	51.695	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1009708	53.305	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	54009	52.764	ug/l	99
82) 4-Chlorotoluene	13.01	91	844657	52.356	ug/l	99
83) tert-Butylbenzene	13.23	119	862200	55.393	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1027022	54.677	ug/l	99
85) sec-Butylbenzene	13.40	105	1169988	52.271	ug/l	100
86) p-Isopropyltoluene	13.52	119	1078027	53.432	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	531798	51.556	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	519760	50.733	ug/l	99
89) n-Butylbenzene	13.84	91	1003176	52.312	ug/l	99
90) Hexachloroethane	14.11	117	207937	50.765	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	468841	53.127	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	31169	50.299	ug/l	88

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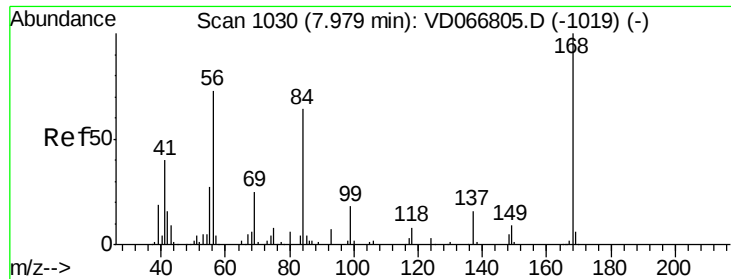
Manual Integrations
APPROVED

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9/25/2020 4:00:18 PM

Quant Time: Sep 25 02:56:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	319786	57.563	ug/l	96
94) Hexachlorobutadiene	15.27	225	171817	51.612	ug/l	98
95) Naphthalene	15.40	128	580917	61.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	270802	56.477	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 429776

Ion Ratio Lower Upper

168 100

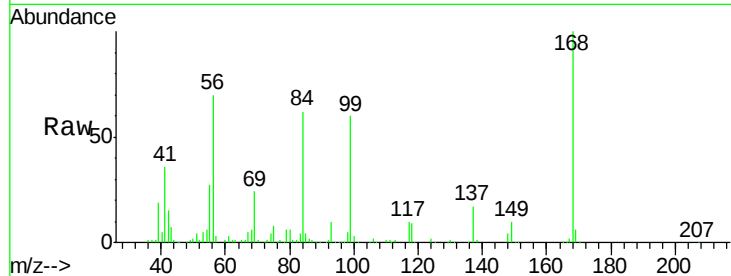
99 59.8 46.6 69.8

Manual Integrations

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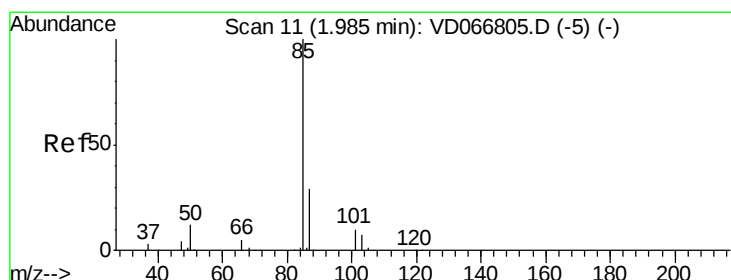
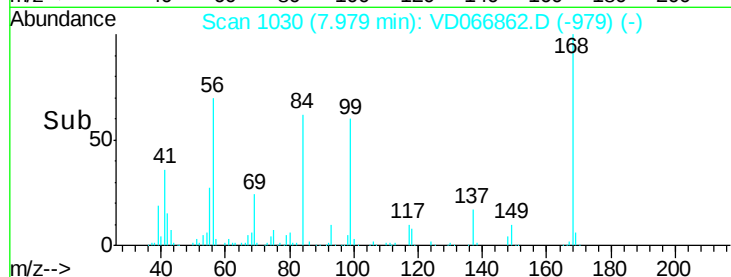
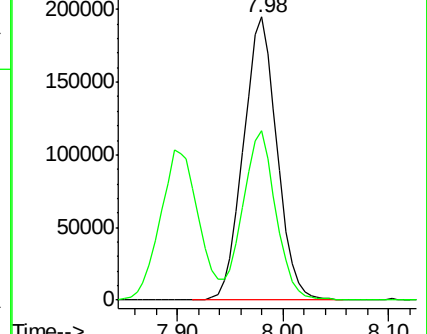
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.903 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066862.D

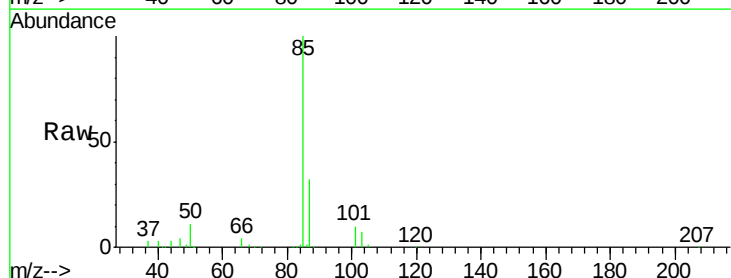
Acq: 24 Sep 2020 20:17

Tgt Ion: 85 Resp: 136341

Ion Ratio Lower Upper

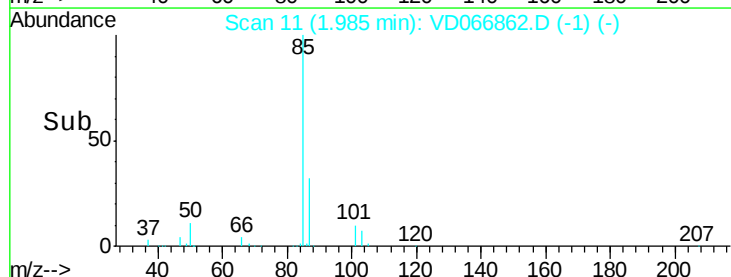
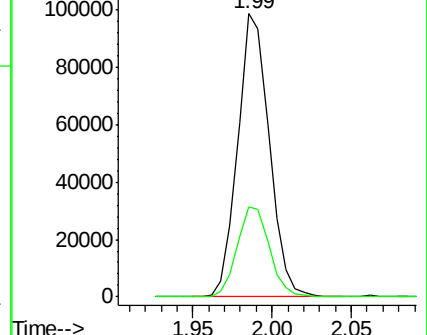
85 100

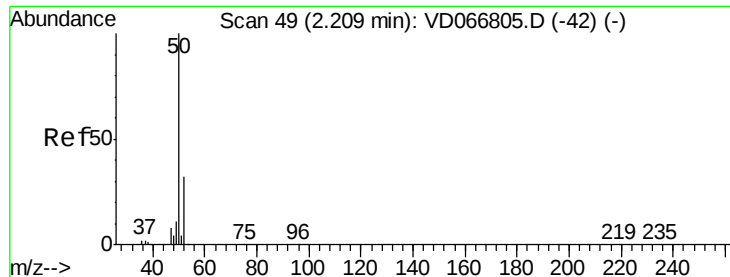
87 31.7 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.389 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 179230

Ion Ratio Lower Upper

50 100

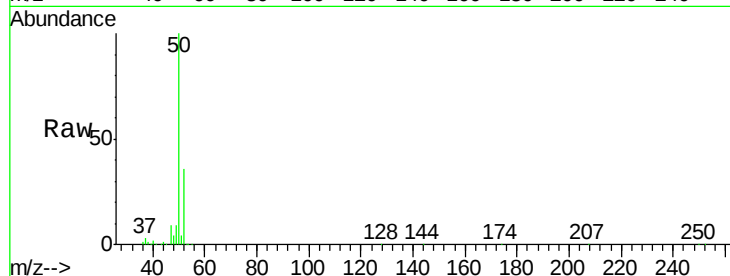
52 35.8 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

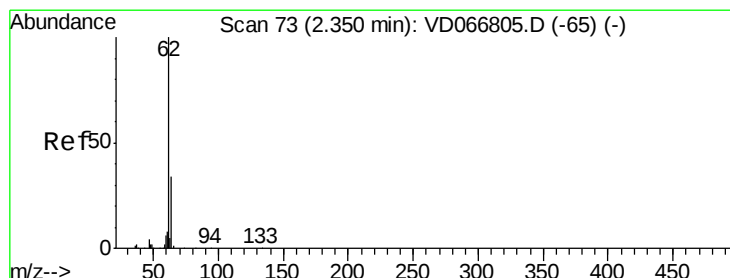
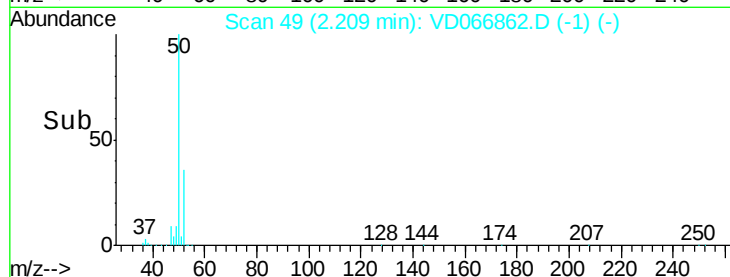
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.505 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066862.D

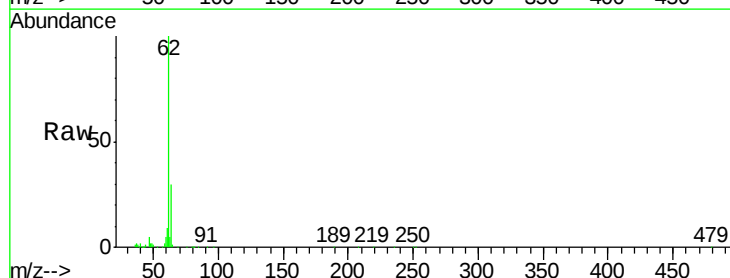
Acq: 24 Sep 2020 20:17

Tgt Ion: 62 Resp: 177519

Ion Ratio Lower Upper

62 100

64 30.2 27.0 40.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

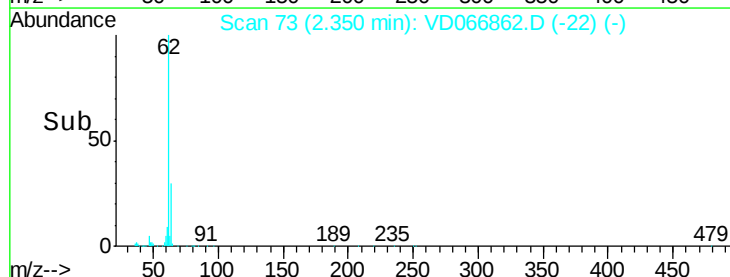
2.35

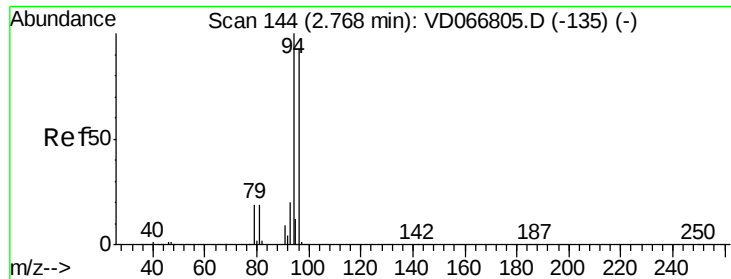
100000

50000

0

Time-->





#5

Bromomethane

Concen: 49.137 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 134733

Ion Ratio Lower Upper

94 100

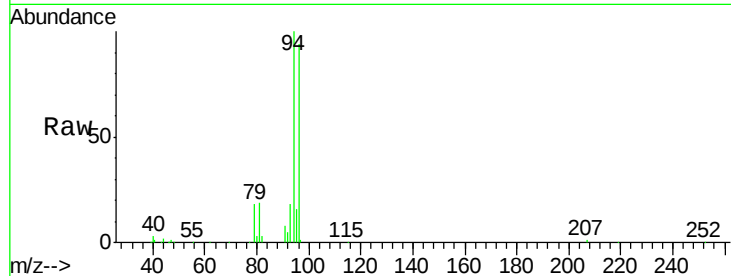
96 94.5 74.3 111.5

Manual Integrations

APPROVED

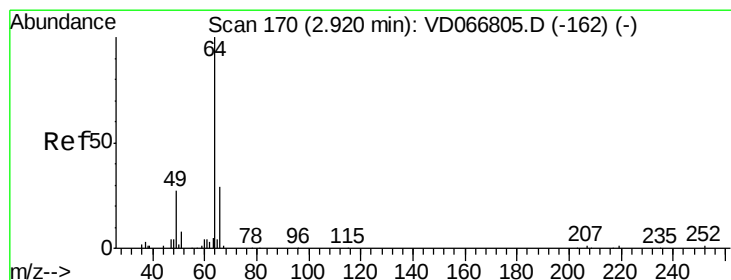
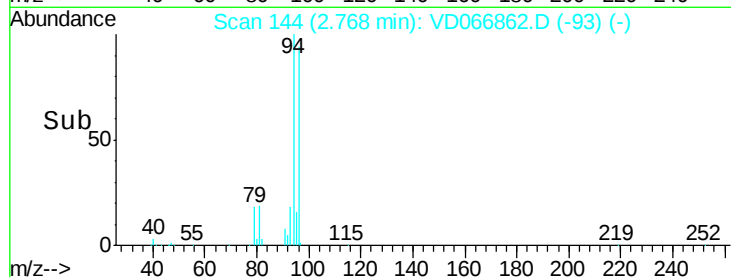
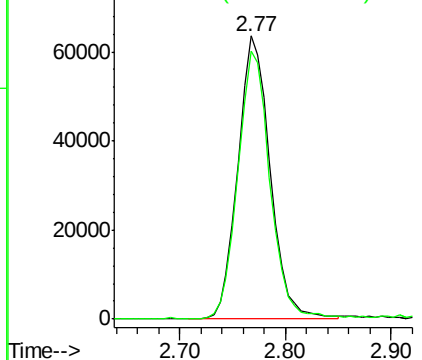
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.946 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD066862.D

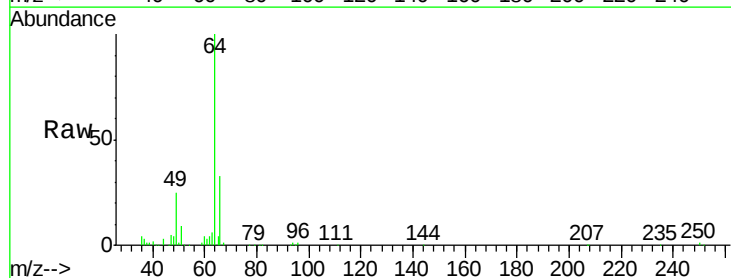
Acq: 24 Sep 2020 20:17

Tgt Ion: 64 Resp: 113730

Ion Ratio Lower Upper

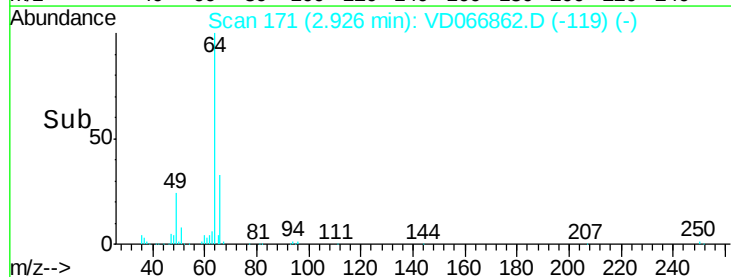
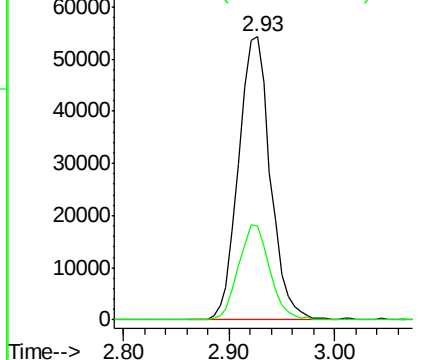
64 100

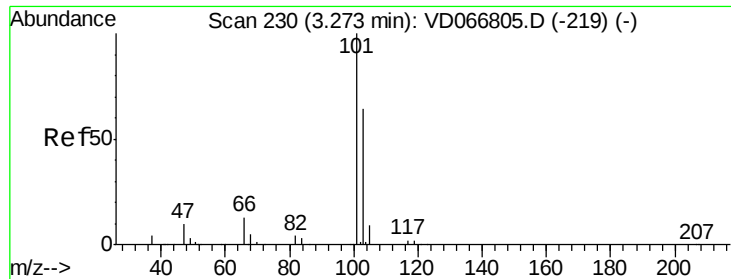
66 33.0 23.3 34.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

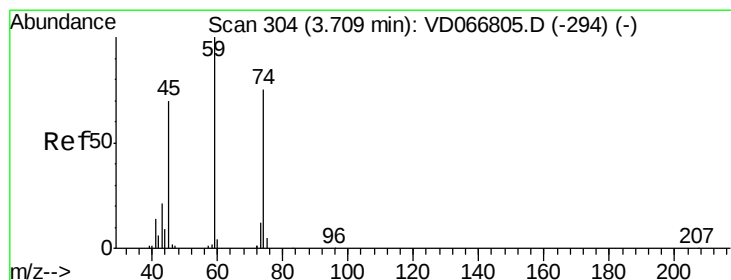
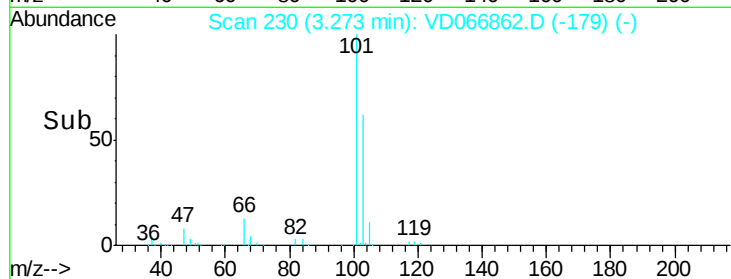
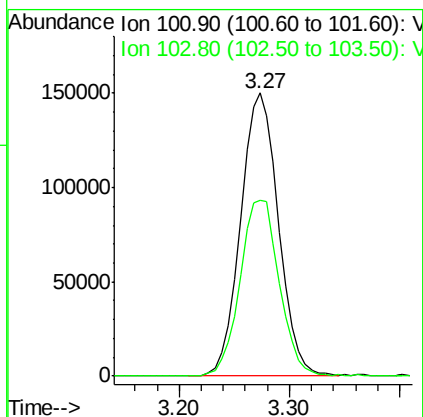
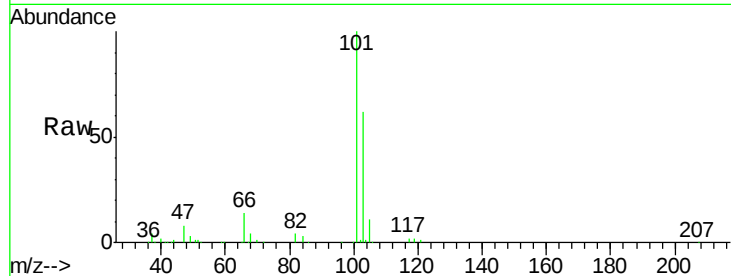
Trichlorofluoromethane
 Concen: 45.131 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

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 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	361581		
103	62.3	51.0	76.6	

Manual Integrations
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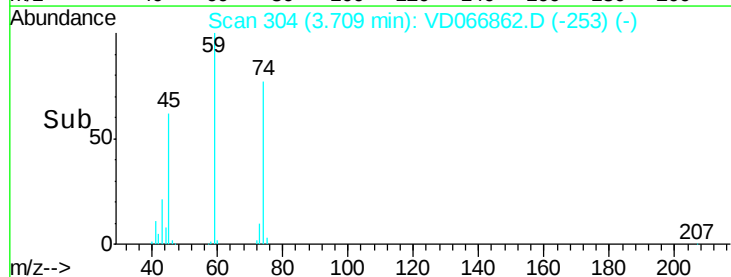
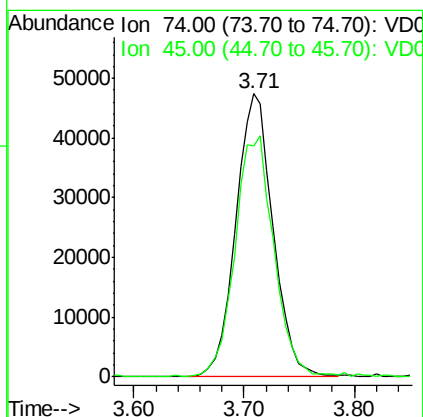
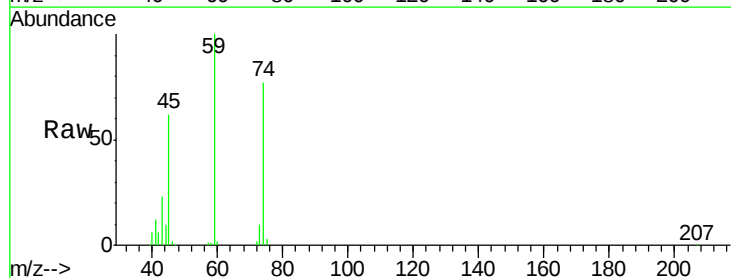
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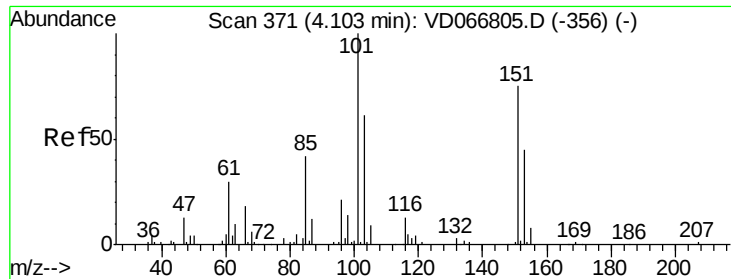


#8

Diethyl Ether
 Concen: 55.061 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	111993		
45	88.8	46.0	138.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.833 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

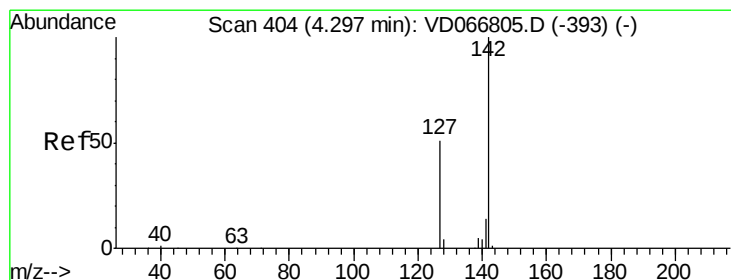
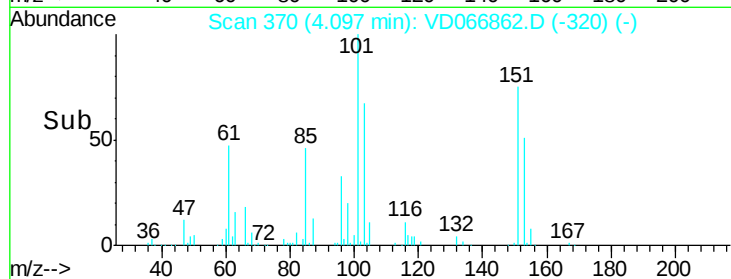
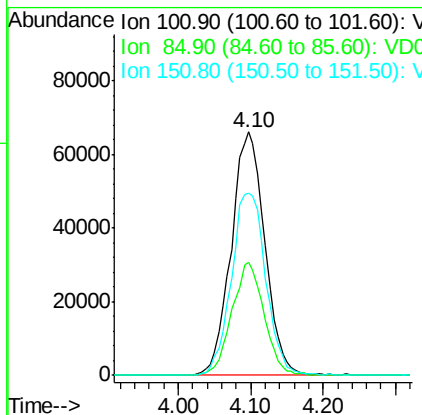
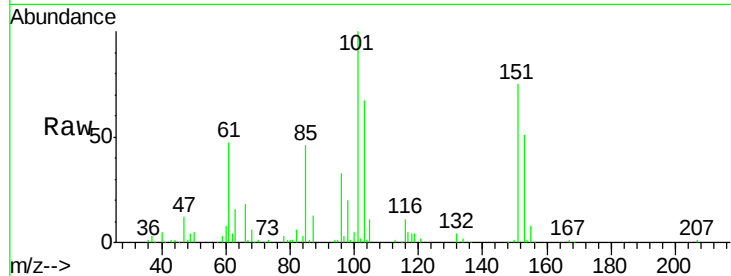
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	212928
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.4	53.2
151	76.5	61.4	92.0

Manual Integrations
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#10

Methyl Iodide

Concen: 50.395 ug/l

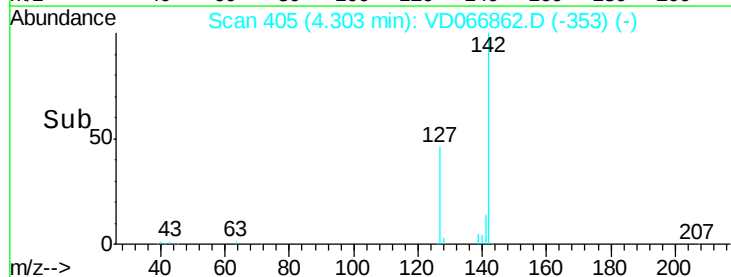
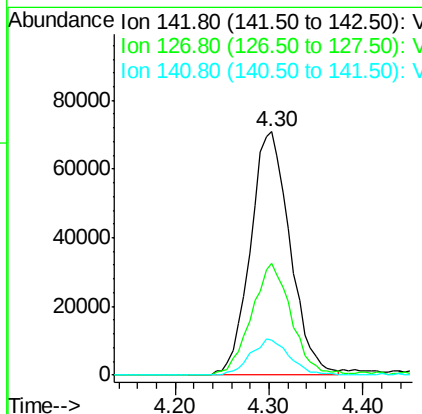
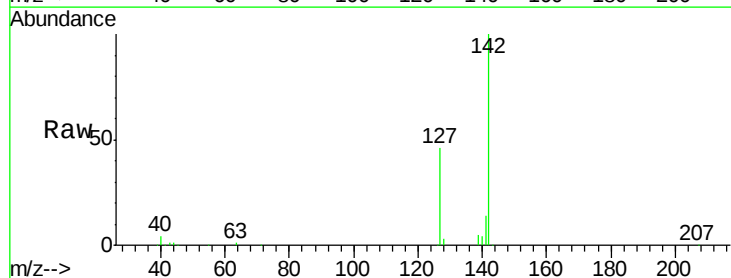
RT: 4.30 min Scan# 405

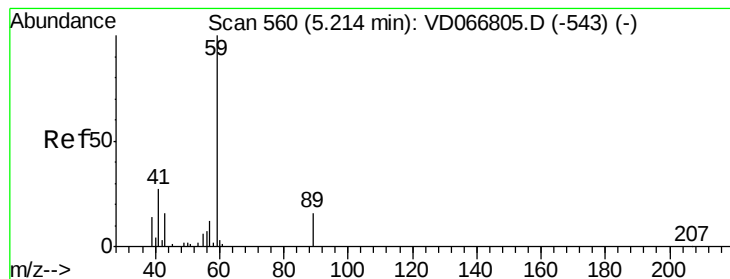
Delta R.T. 0.01 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Tgt Ion:	142	Resp:	206597
Ion Ratio	Lower	Upper	
142	100		
127	46.3	39.4	59.0
141	14.5	12.1	18.1





#11

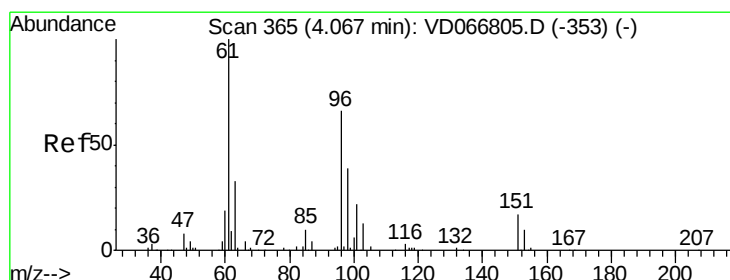
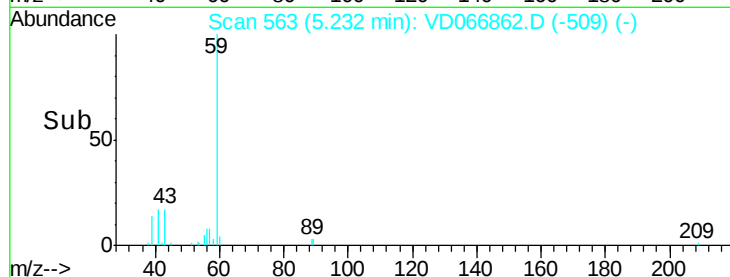
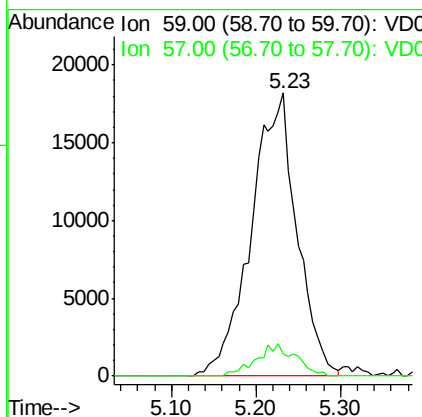
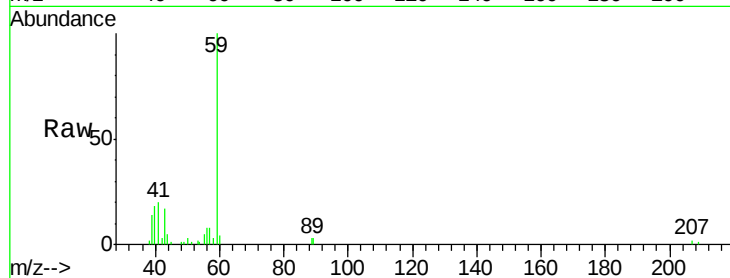
Tert butyl alcohol
Concen: 274.442 ug/l
RT: 5.23 min Scan# 563
Delta R.T. 0.02 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

Manual Integrations
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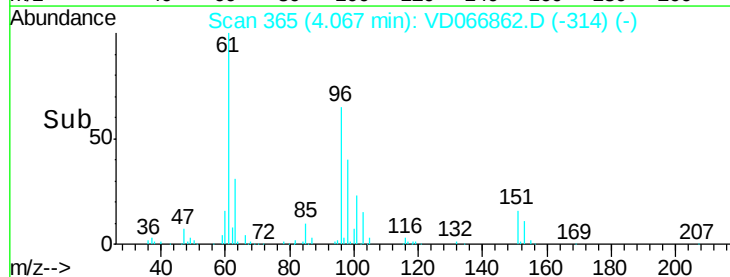
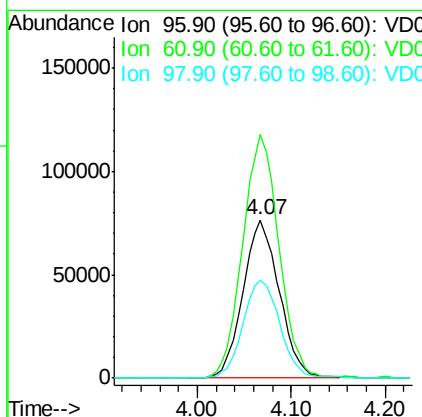
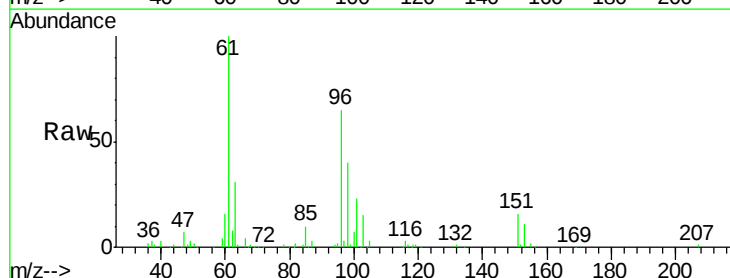
MMDadoda
9/25/2020 4:00:18 PM

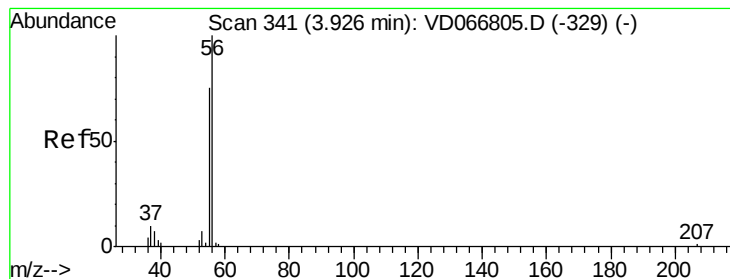


#12

1,1-Dichloroethene
Concen: 48.608 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	120.8	181.2
98	62.2	47.7	71.5





#13

Acrolein

Concen: 225.600 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 70006

Ion Ratio Lower Upper

56 100

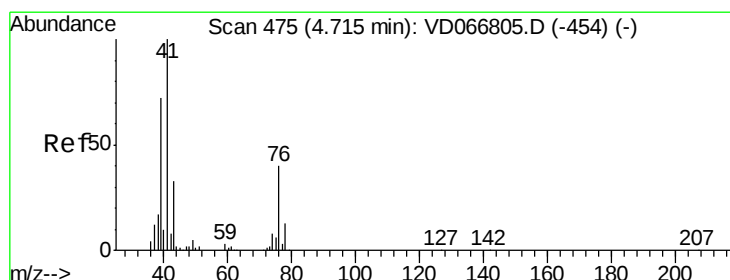
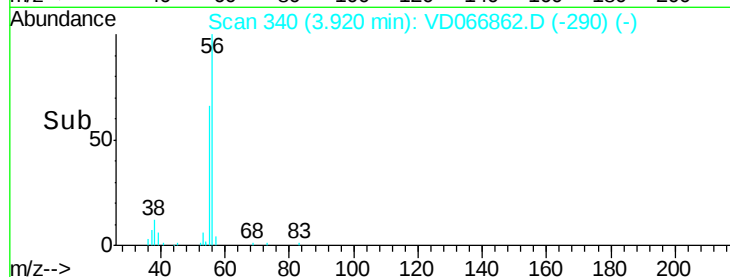
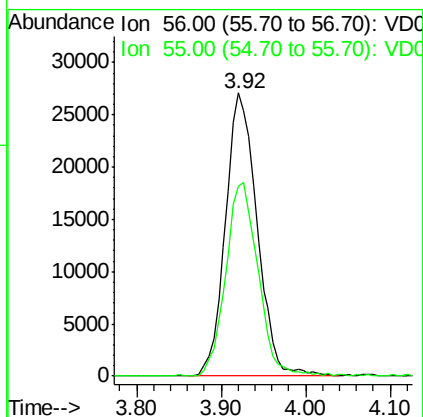
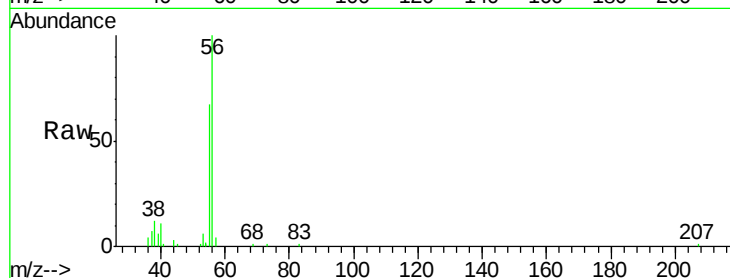
55 69.5 60.3 90.5

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 51.517 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

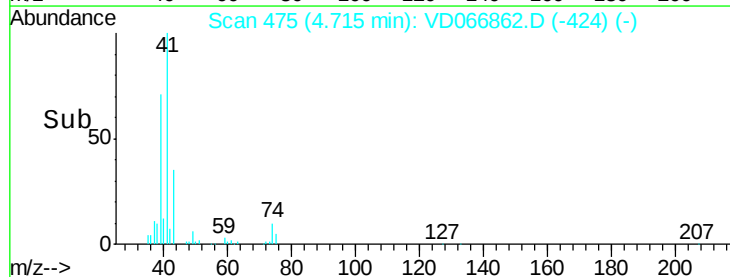
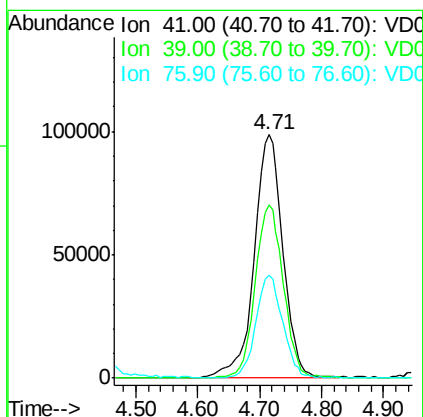
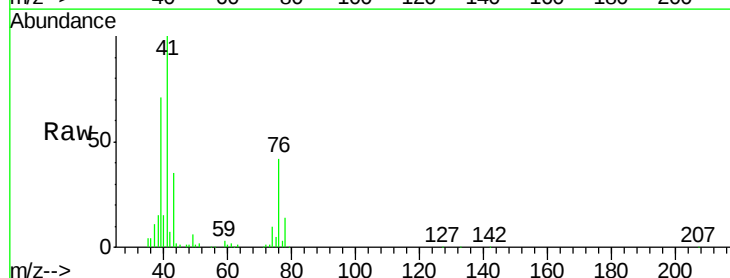
Tgt Ion: 41 Resp: 318360

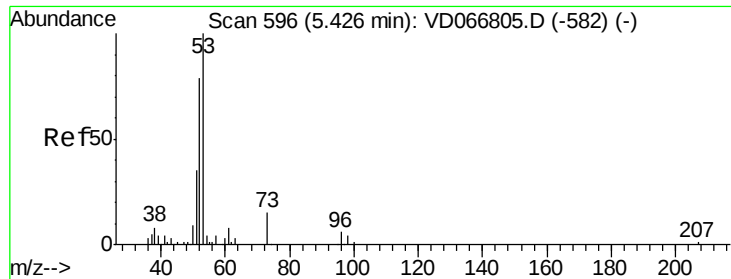
Ion Ratio Lower Upper

41 100

39 69.5 57.8 86.8

76 39.1 30.9 46.3





#15

Acrylonitrile

Concen: 270.785 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

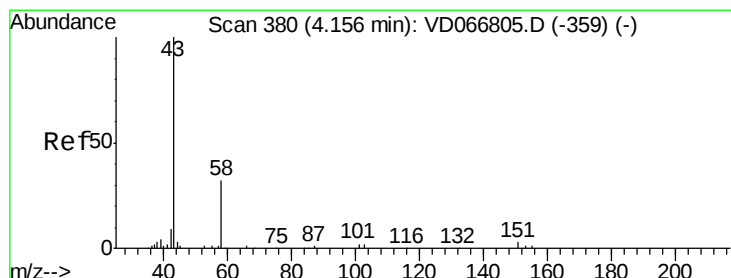
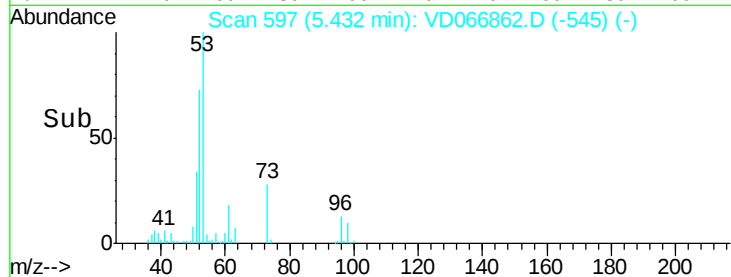
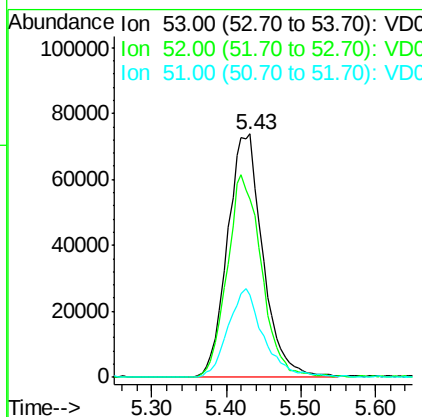
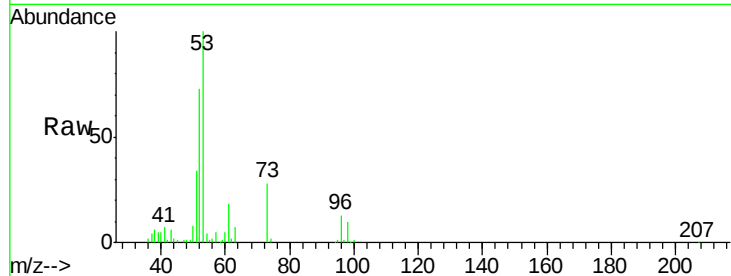
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	244079
Ion	Ratio	Lower	Upper
53	100		
52	80.8	65.2	97.8
51	36.3	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 213.568 ug/l

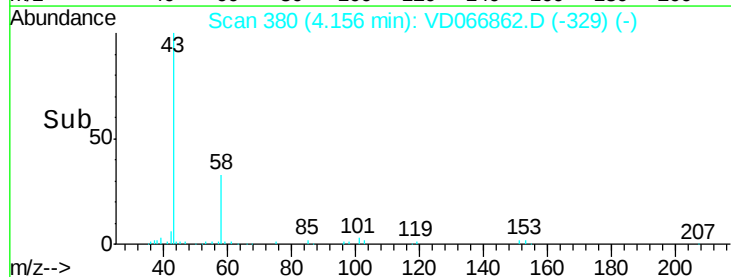
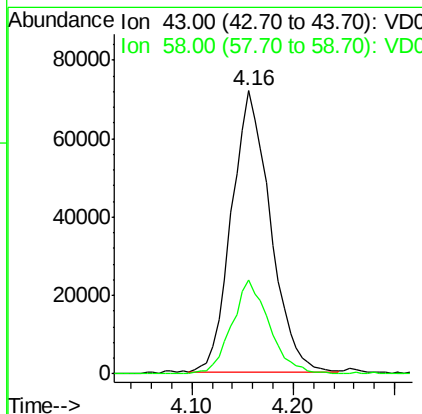
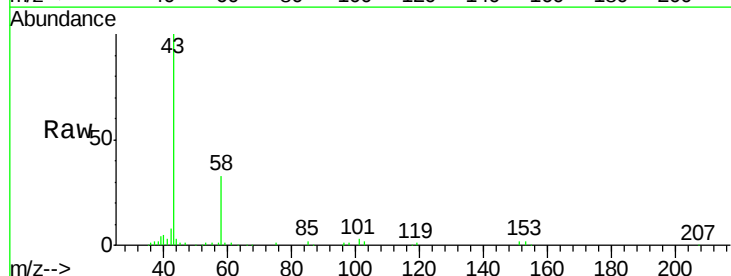
RT: 4.16 min Scan# 380

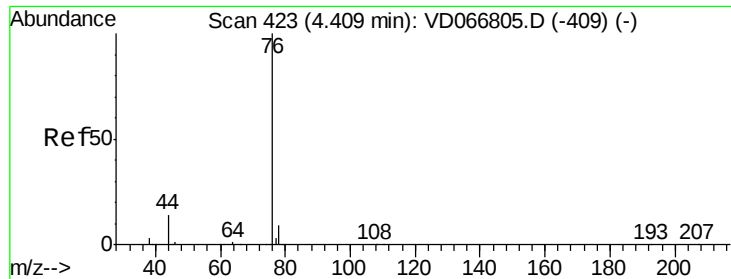
Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Tgt Ion:	43	Resp:	190575
Ion	Ratio	Lower	Upper
43	100		
58	33.4	25.6	38.4





#17

Carbon Disulfide

Concen: 46.730 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 601244

Ion Ratio Lower Upper

76 100

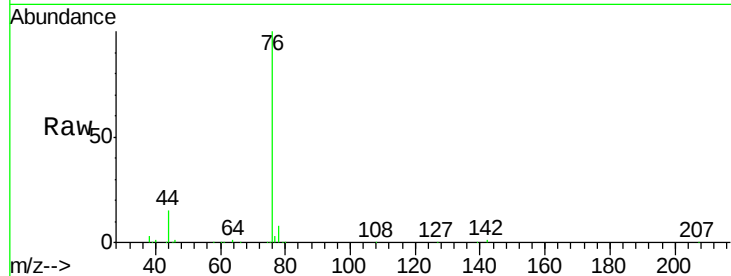
78 8.2 7.6 11.4

Manual Integrations

APPROVED

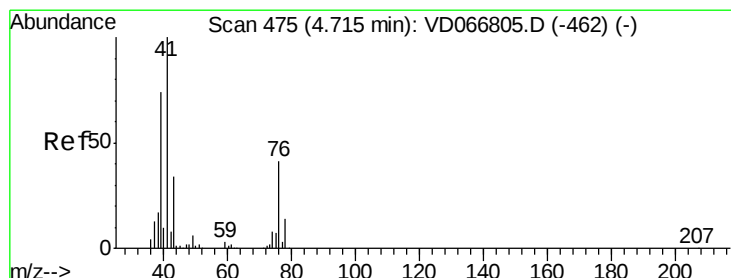
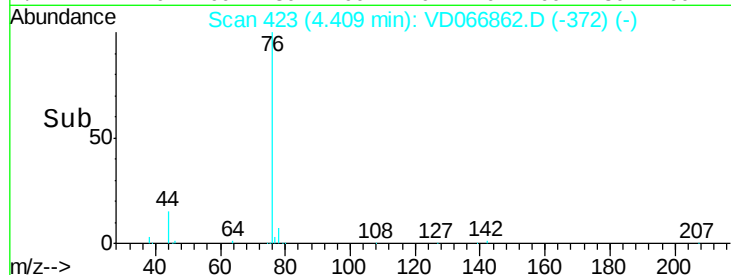
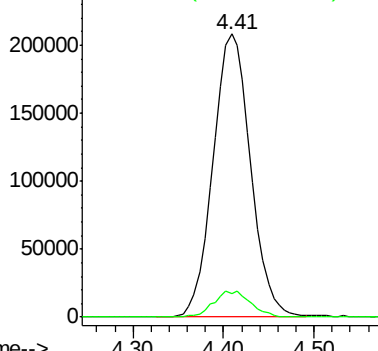
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 55.817 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066862.D

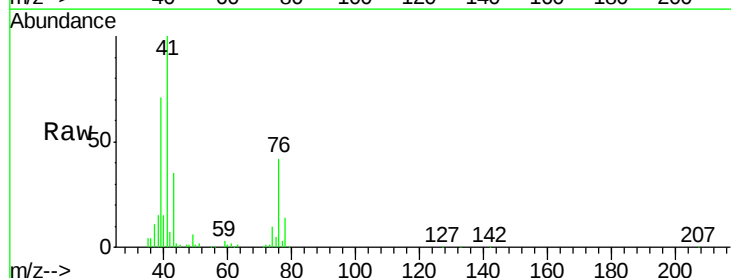
Acq: 24 Sep 2020 20:17

Tgt Ion: 43 Resp: 110292

Ion Ratio Lower Upper

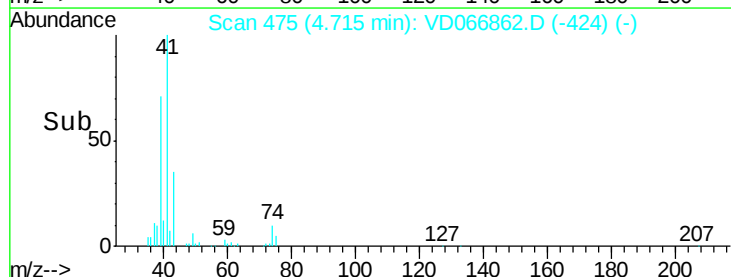
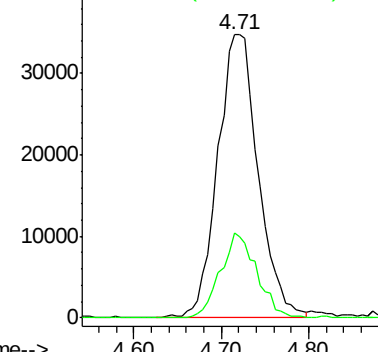
43 100

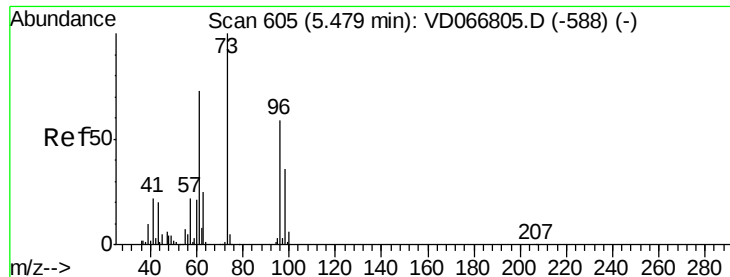
74 26.8 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

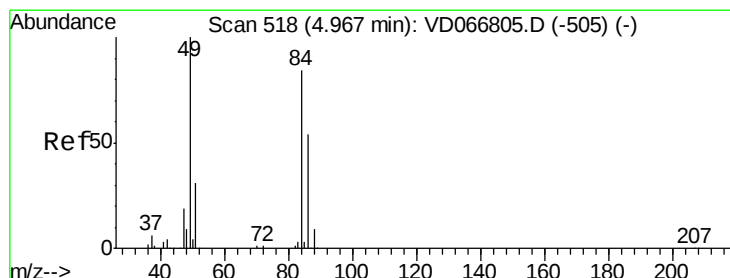
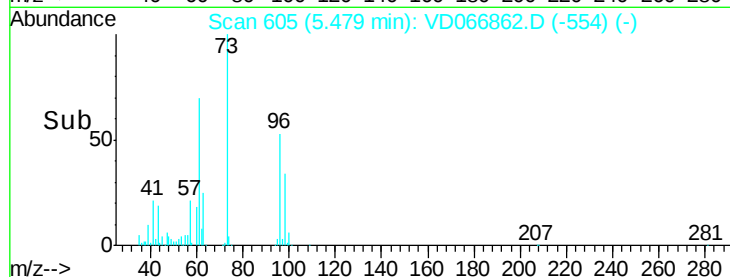
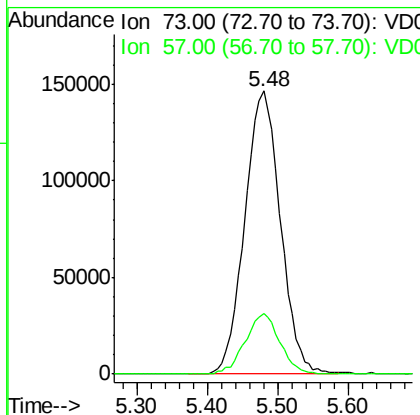
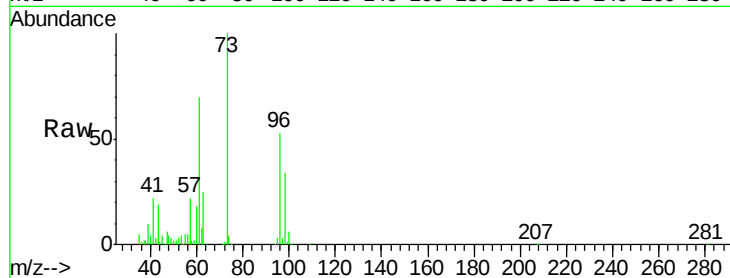
Methyl tert-butyl Ether
 Concen: 56.409 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.2

Manual Integrations
 APPROVED

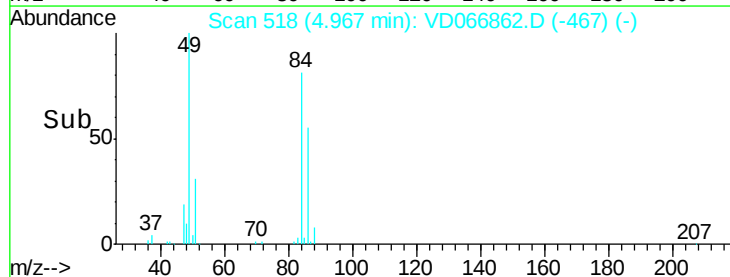
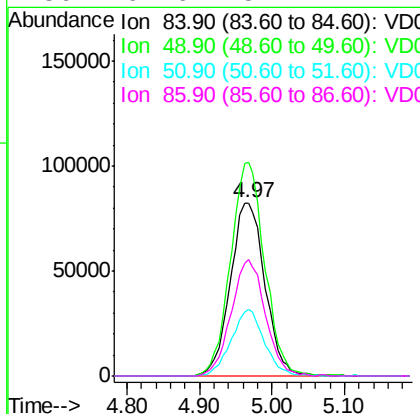
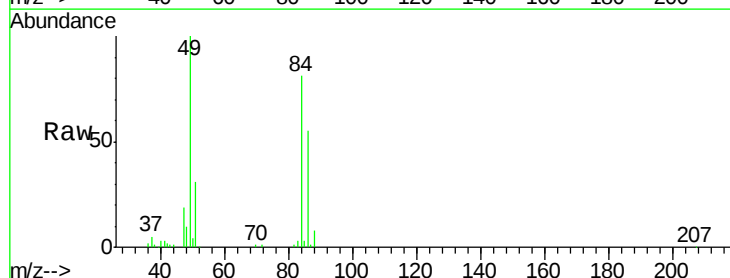
MMDadoda
 9/25/2020 4:00:18 PM

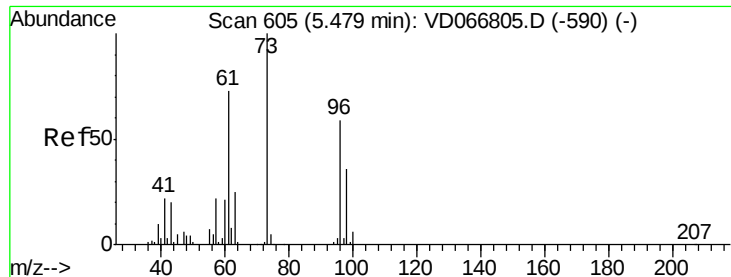


#20

Methylene Chloride
 Concen: 57.572 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.4	95.4	143.2
51	38.1	29.7	44.5
86	67.6	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 50.985 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

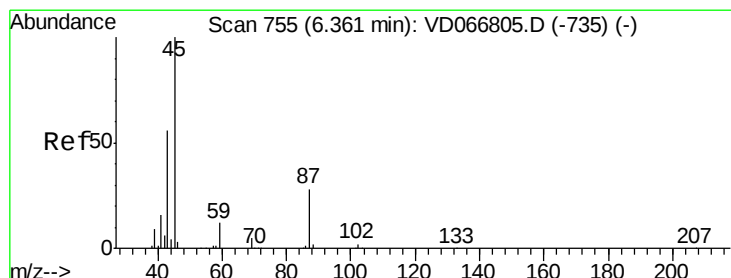
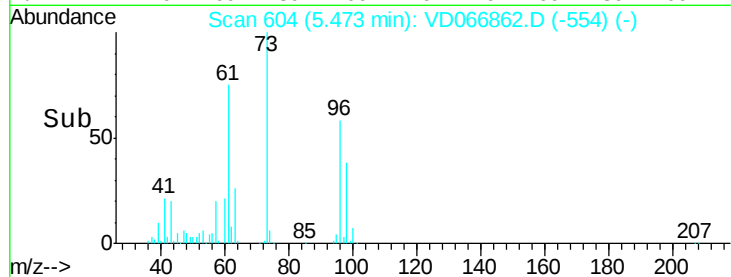
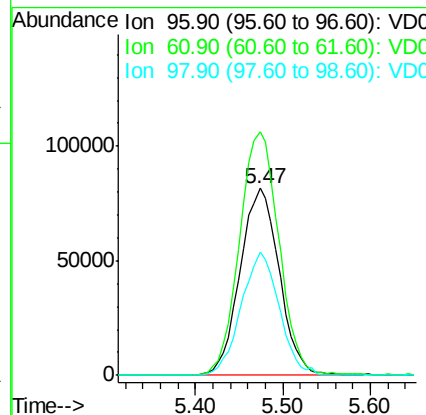
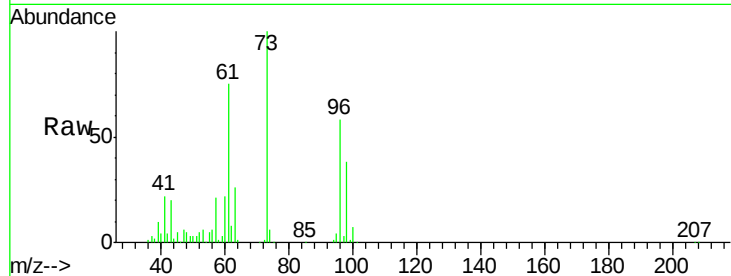
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	248449
Ion	Ratio	Lower	Upper
96	100		
61	130.2	98.9	148.3
98	66.3	48.4	72.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.727 ug/l

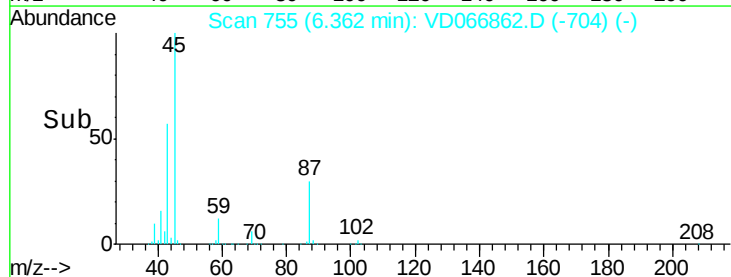
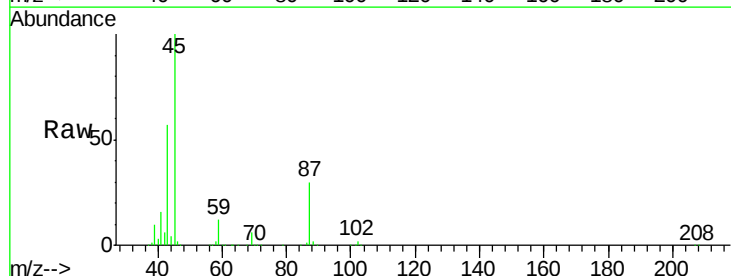
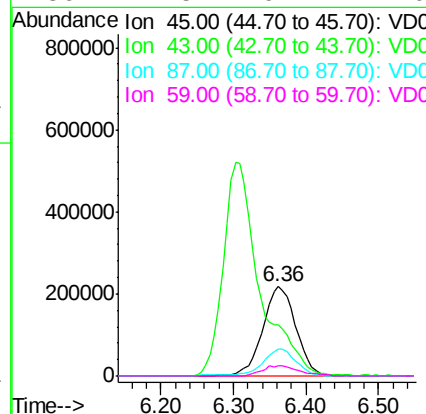
RT: 6.36 min Scan# 755

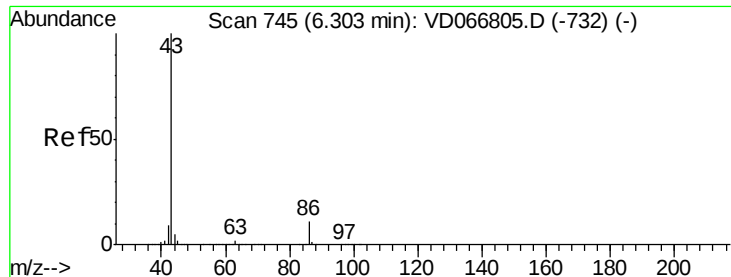
Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Tgt Ion:	45	Resp:	695376
Ion	Ratio	Lower	Upper
45	100		
43	56.6	44.5	66.7
87	29.6	22.9	34.3
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 263.361 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Tot Ion: 43 Resp: 1817808

Ion Ratio Lower Upper

43 100

86 11.7 8.9 13.3

Instrument :

MSVOA_D

ClientSampleId :

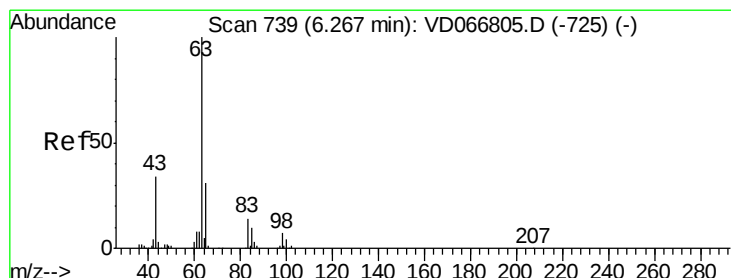
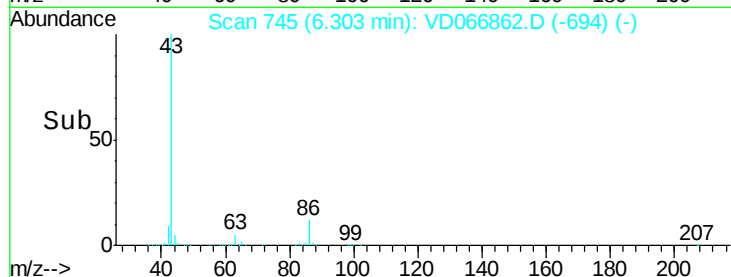
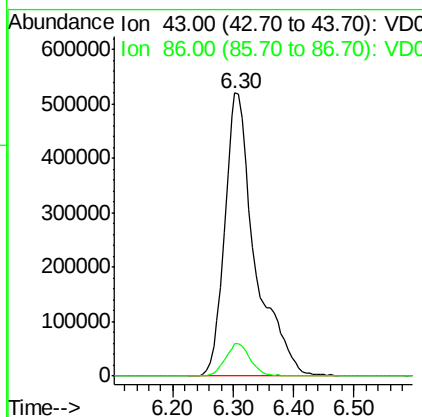
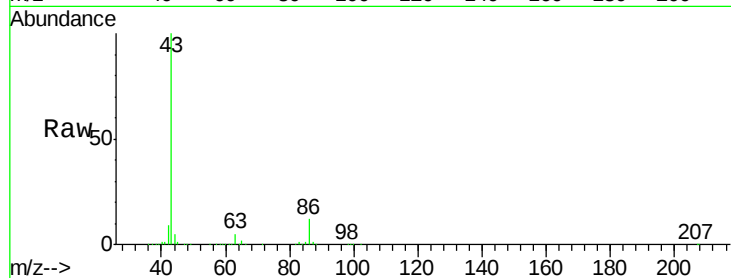
VSTDCCC050EC

Manual Integrations

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9/25/2020 4:00:18 PM



#24

1,1-Dichloroethane

Concen: 50.411 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

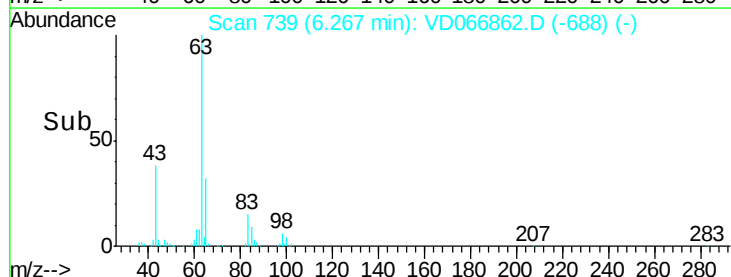
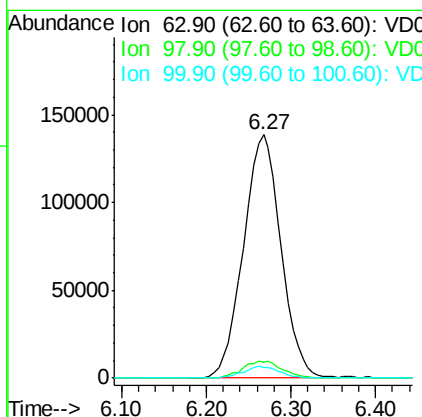
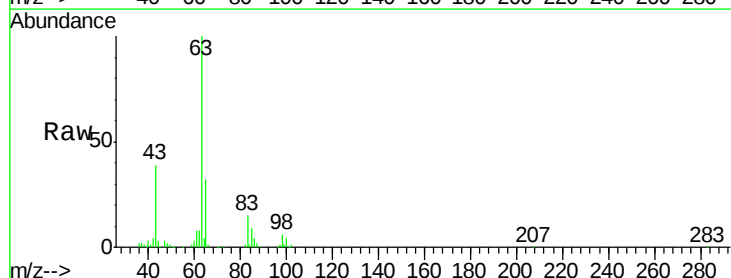
Tgt Ion: 63 Resp: 428510

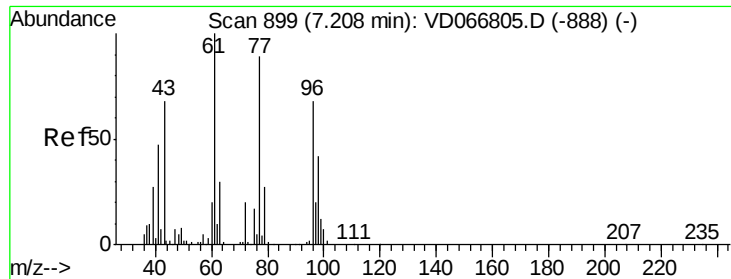
Ion Ratio Lower Upper

63 100

98 6.2 3.7 11.1

100 4.4 1.8 5.5





#25

2-Butanone

Concen: 267.057 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 286378

Ion Ratio Lower Upper

43 100

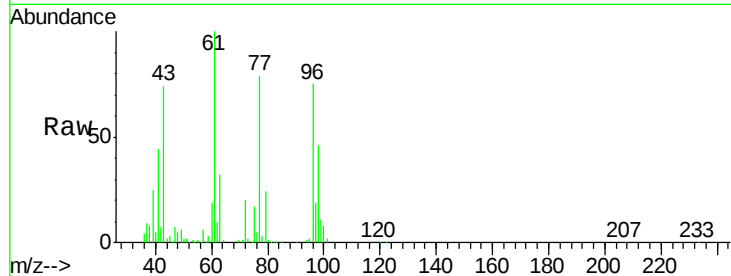
72 27.5 22.9 34.3

Manual Integrations

APPROVED

MMDadoda

9/25/2020 4:00:18 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

120000

100000

80000

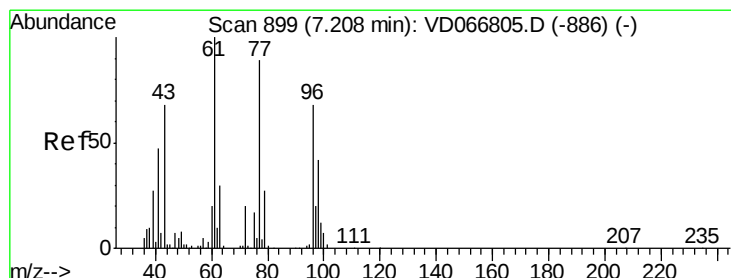
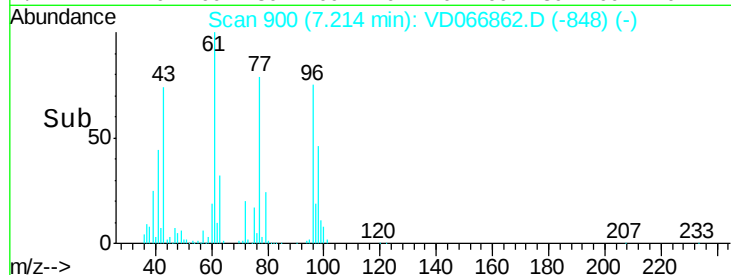
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 45.596 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066862.D

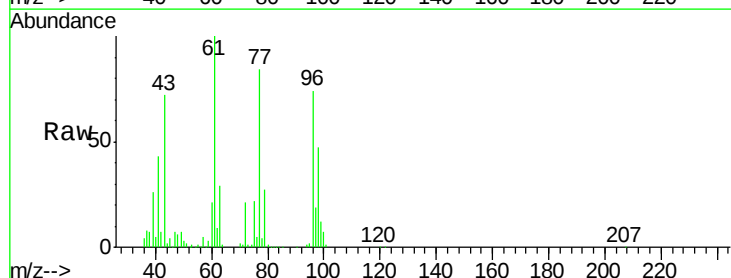
Acq: 24 Sep 2020 20:17

Tgt Ion: 77 Resp: 355238

Ion Ratio Lower Upper

77 100

97 23.4 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

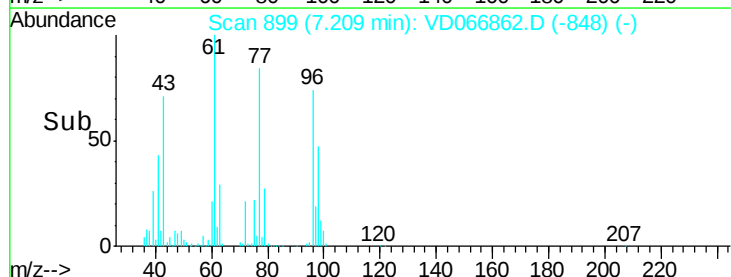
7.21

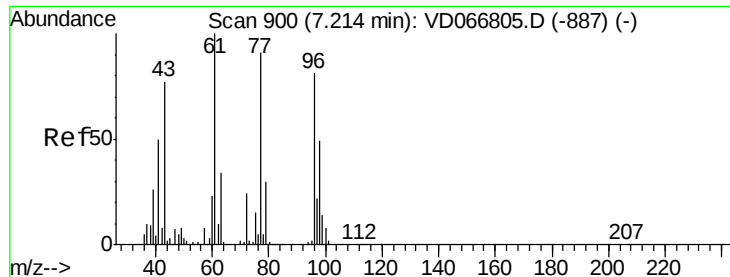
100000

50000

0

Time-->





#27

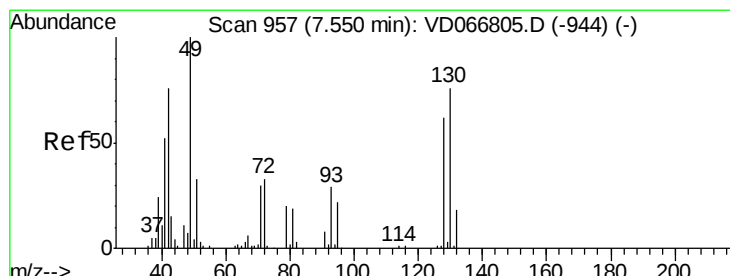
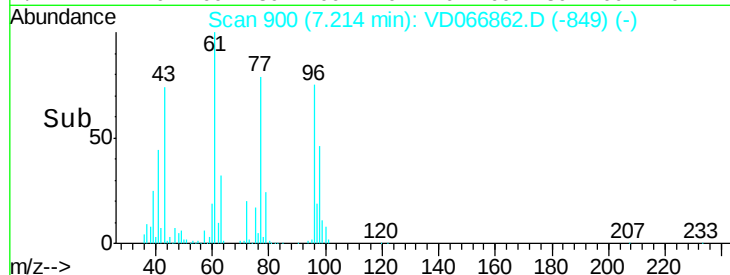
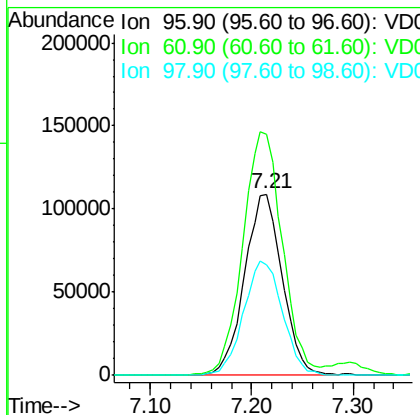
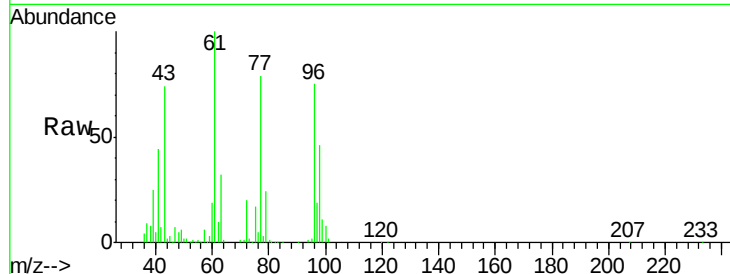
cis-1,2-Dichloroethene
Concen: 53.307 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	282238		
61	140.2	0.0	283.8	
98	65.2	0.0	128.4	

Manual Integrations
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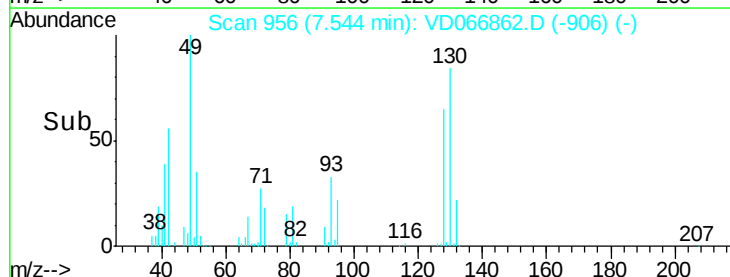
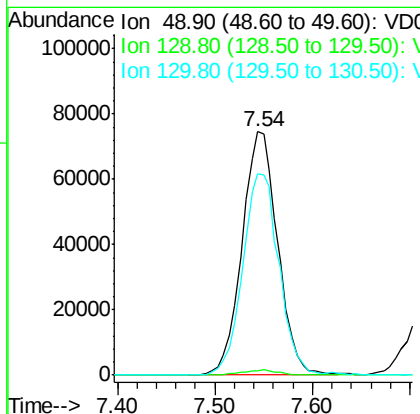
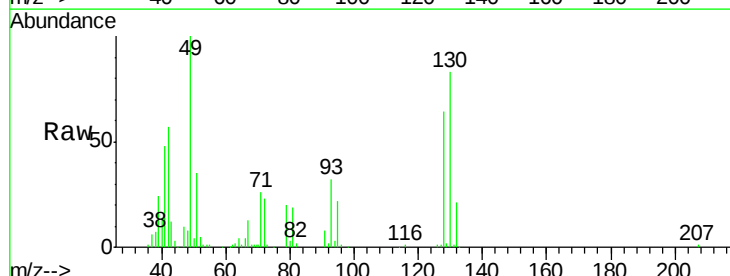
MMDadoda
9/25/2020 4:00:18 PM

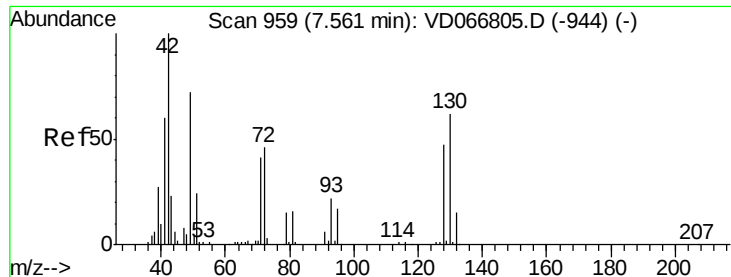


#28

Bromochloromethane
Concen: 54.240 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	190472		
129	2.0	0.0	2.0	
130	84.7	65.9	98.9	





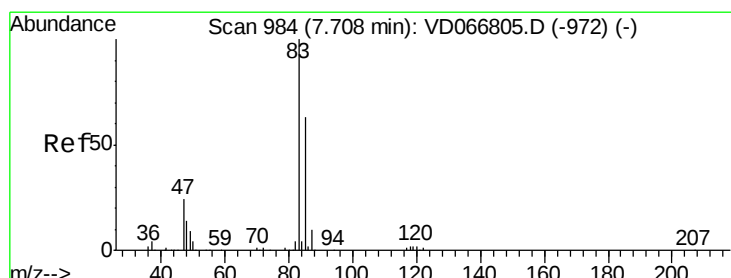
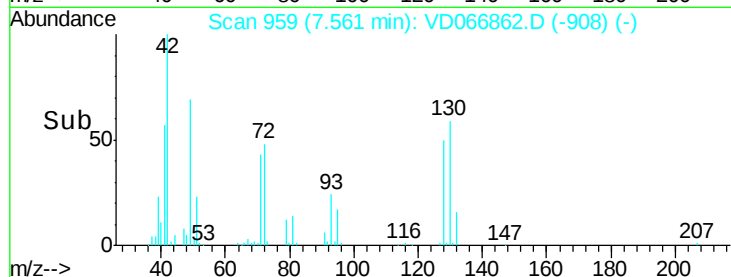
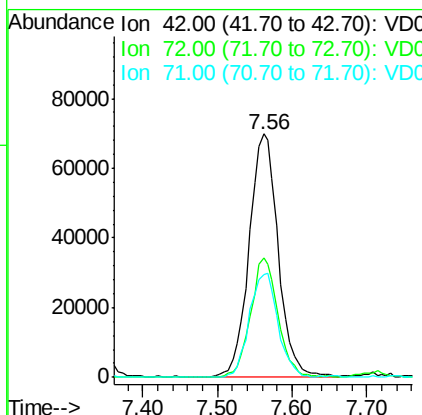
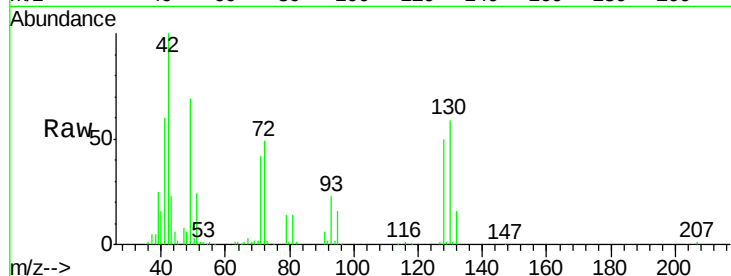
#29
Tetrahydrofuran
Concen: 276.938 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.2	54.4
71	41.8	32.4	48.6

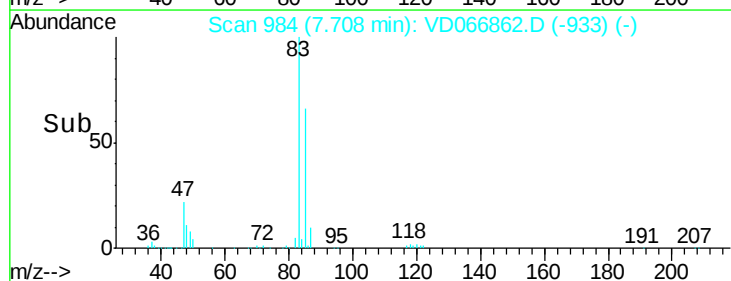
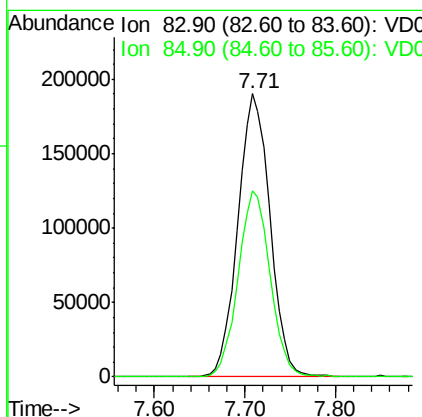
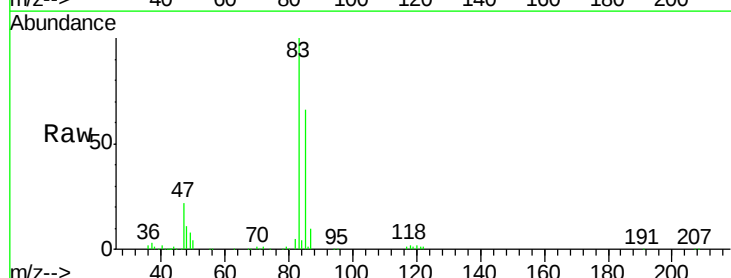
Manual Integrations
APPROVED

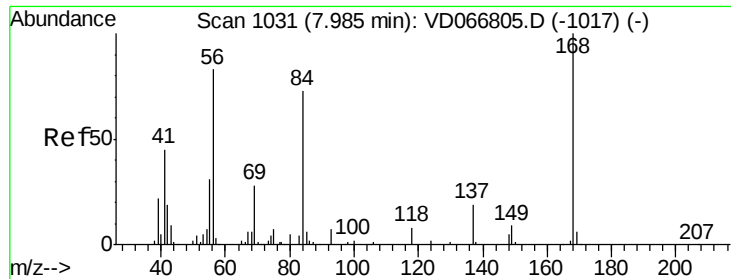
MMDadoda
9/25/2020 4:00:18 PM



#30
Chloroform
Concen: 51.215 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	50.6	75.8





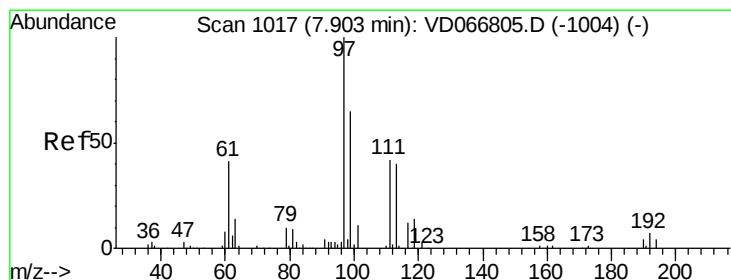
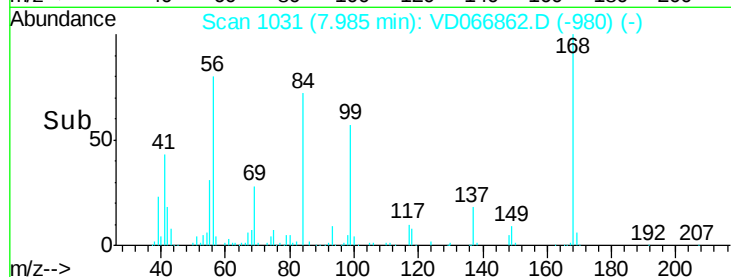
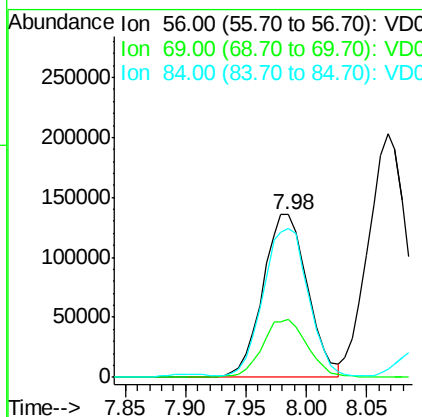
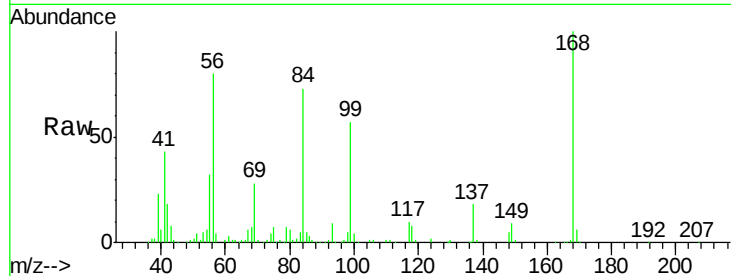
#31
Cyclohexane
Concen: 45.484 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	35.3	27.0	40.4	
84	89.9	70.2	105.4	

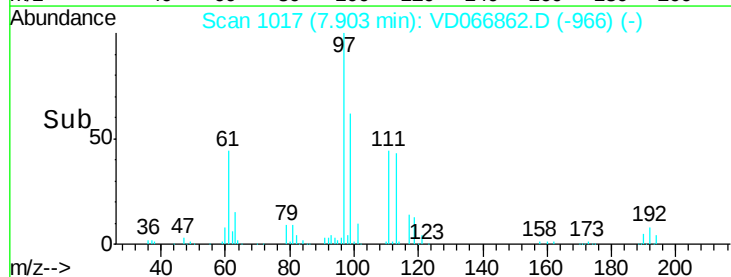
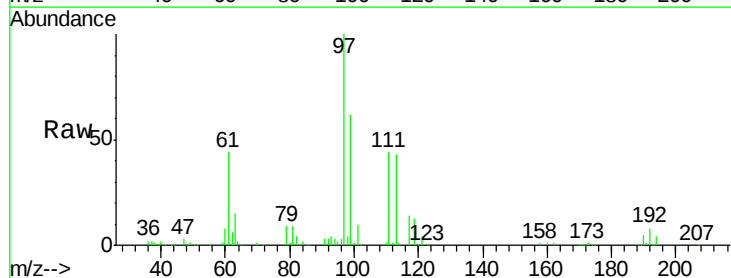
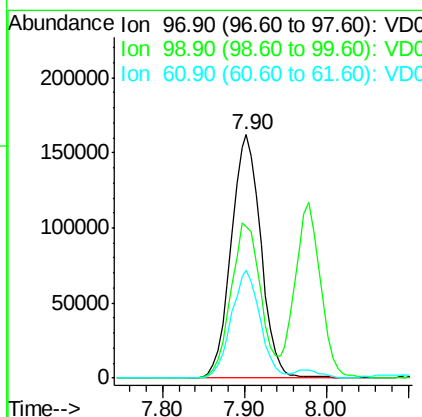
Manual Integrations
APPROVED

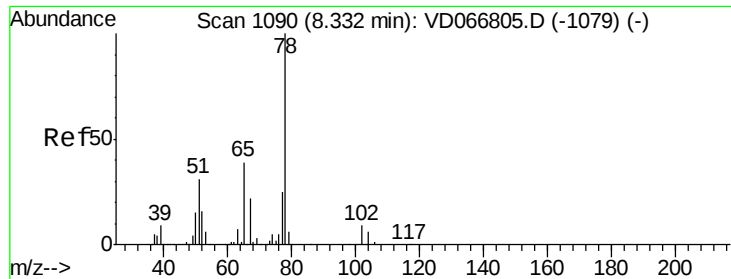
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#32
1,1,1-Trichloroethane
Concen: 49.393 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	64.5	51.5	77.3	
61	43.0	34.2	51.4	





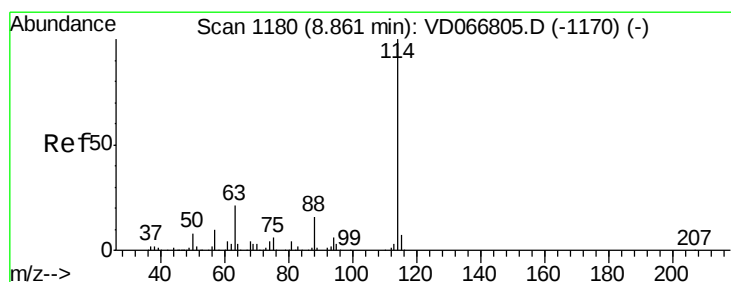
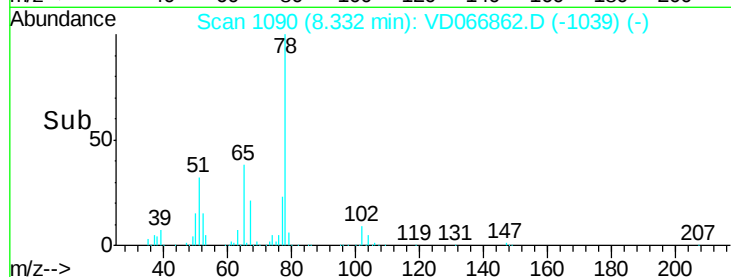
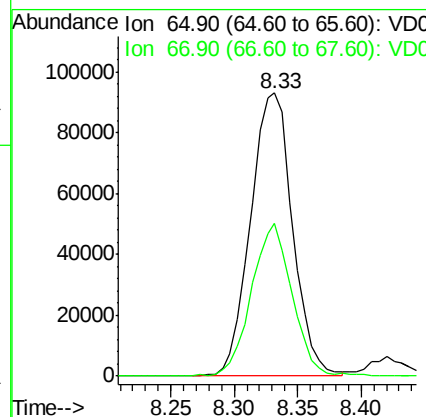
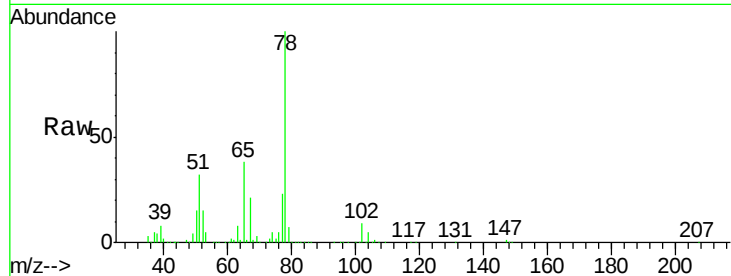
#33
 1,2-Dichloroethane-d4
 Concen: 50.922 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	214203		
67	52.7	0.0	107.2	

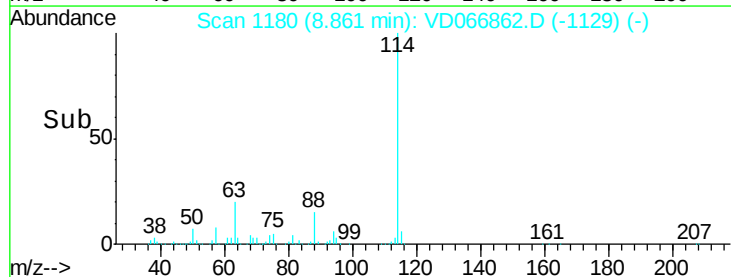
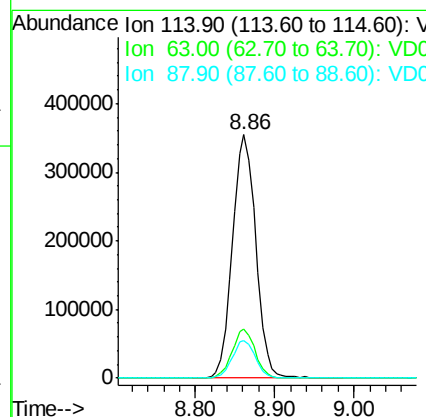
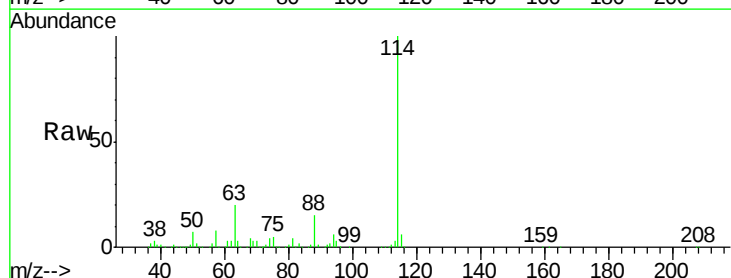
Manual Integrations
 APPROVED

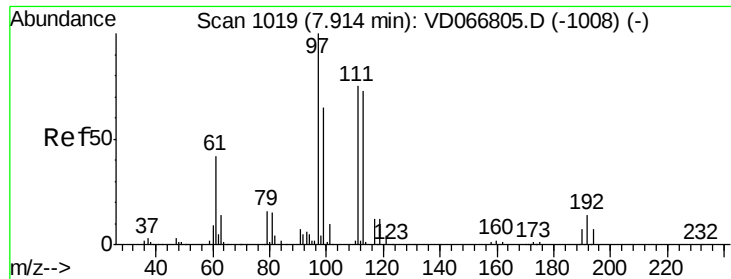
MMDadoda
 9/25/2020 4:00:18 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	721729		
63	20.2	0.0	42.6	
88	15.4	0.0	32.6	





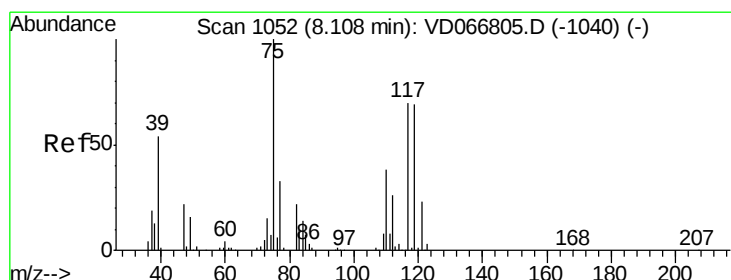
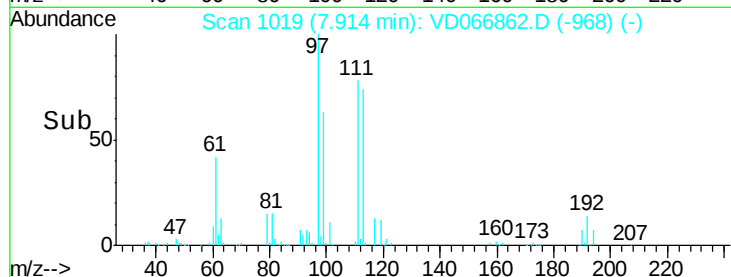
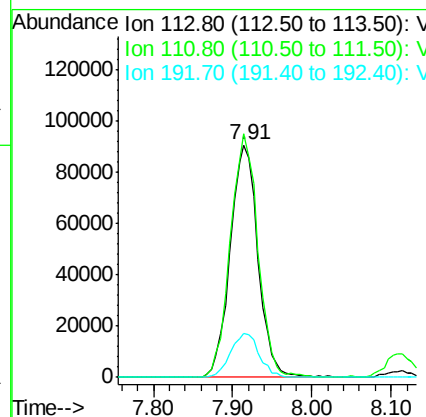
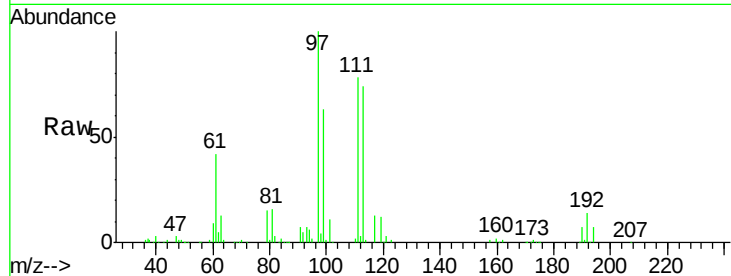
#35
 Dibromofluoromethane
 Concen: 47.819 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	219567		
111	104.5	81.8	122.8	
192	19.4	14.4	21.6	

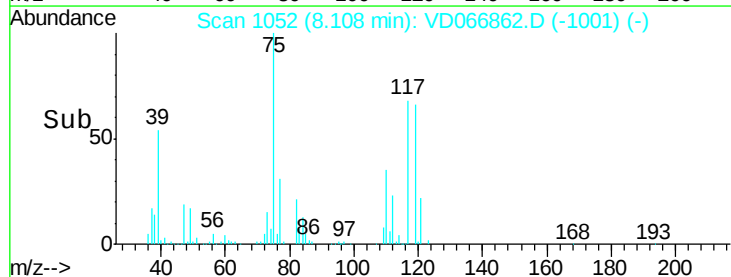
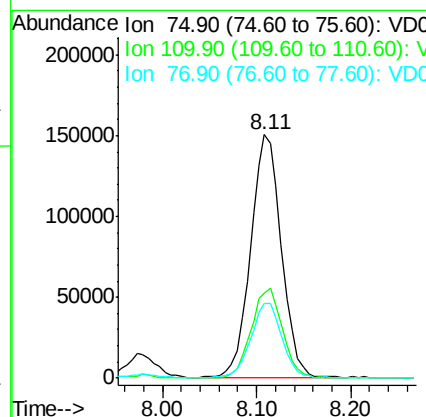
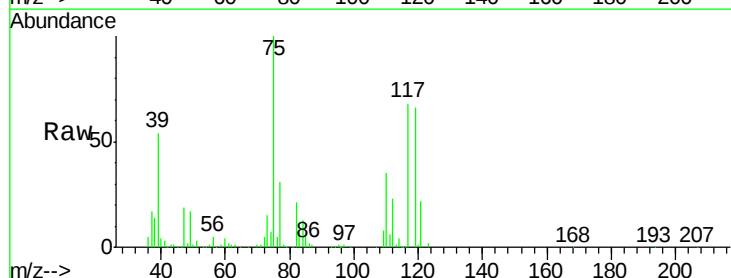
Manual Integrations
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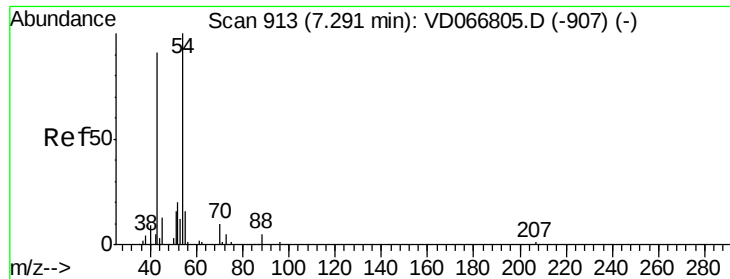
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.348 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	339021		
110	37.8	17.9	53.8	
77	30.8	25.0	37.6	





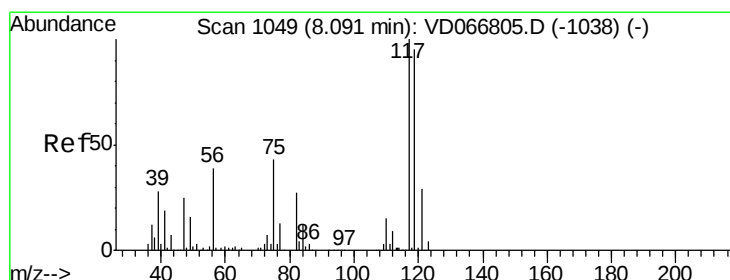
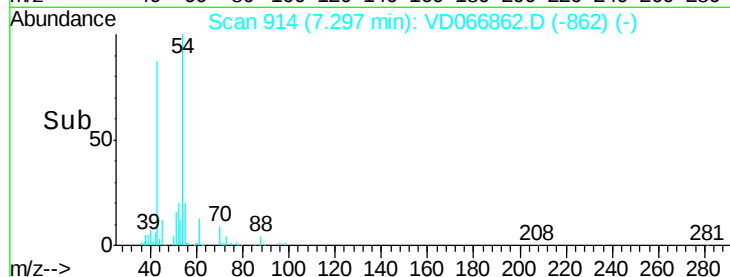
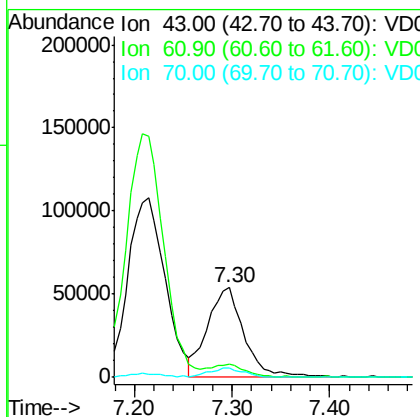
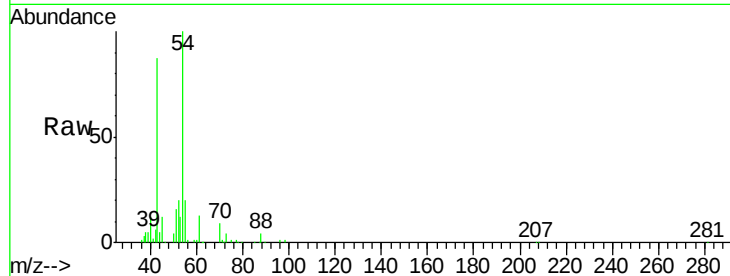
#37
Ethyl Acetate
Concen: 53.304 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.6	9.8	14.8
70	10.2	8.5	12.7

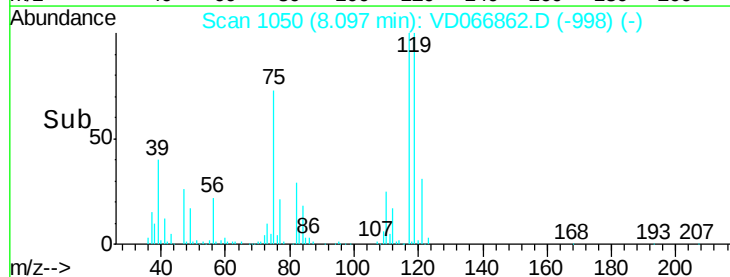
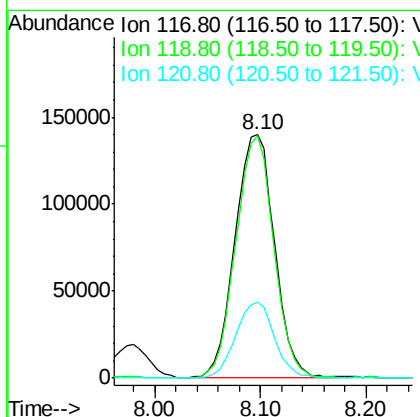
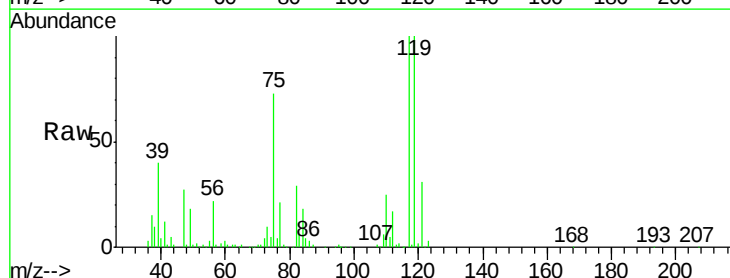
Manual Integrations
APPROVED

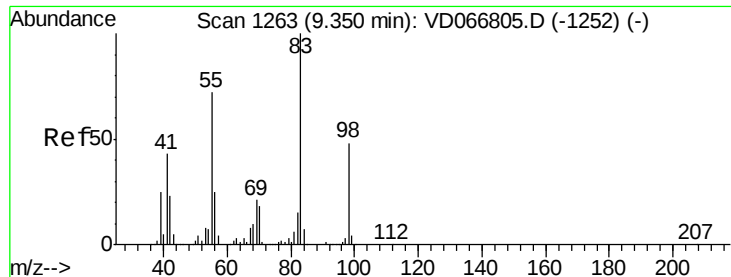
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#38
Carbon Tetrachloride
Concen: 46.170 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	75.8	113.8
121	31.5	23.4	35.0





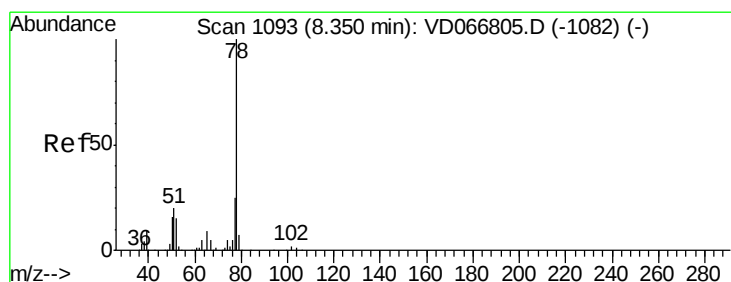
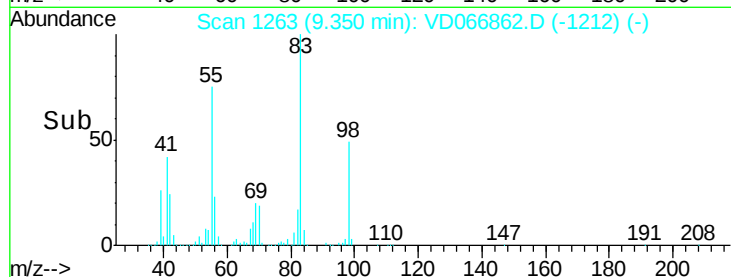
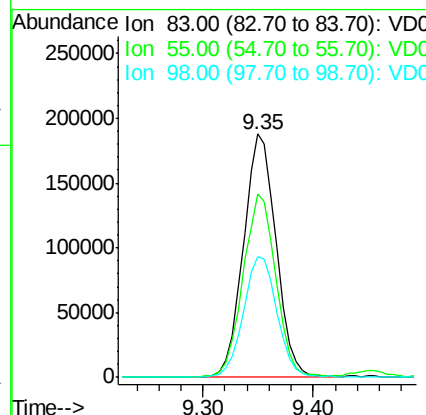
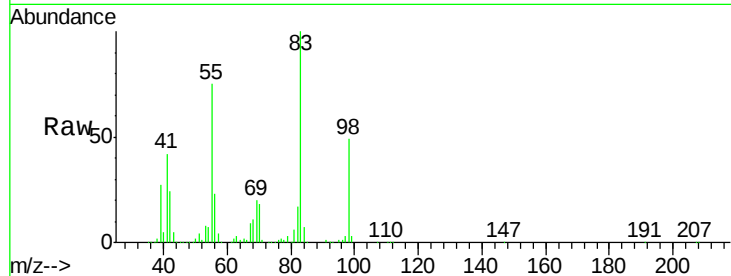
#39
Methvlcvclohexane
Concen: 47.577 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	391124
Ion Ratio	Lower	Upper	
83	100		
55	75.4	57.7	86.5
98	49.4	38.4	57.6

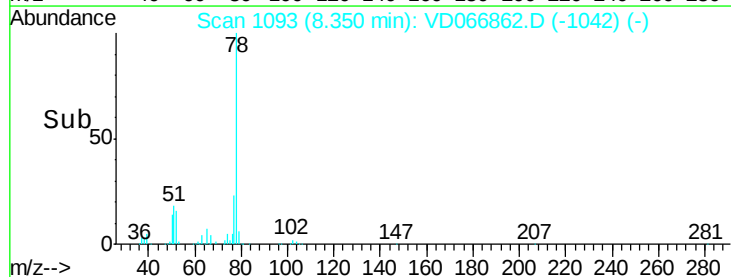
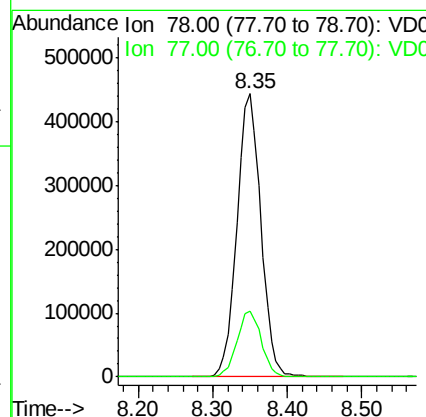
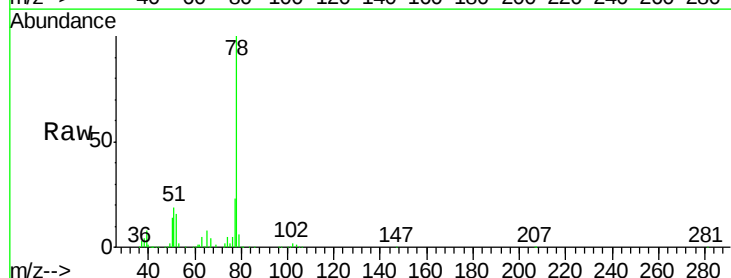
Manual Integrations
APPROVED

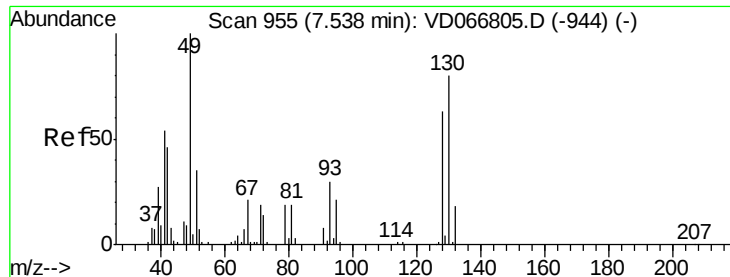
MMDadoda
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#40
Benzene
Concen: 49.634 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion	78	Resp	990467
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.9	29.9





#41

Methacrylonitrile

Concen: 51.965 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 82719

Ion Ratio Lower Upper

41 100

39 54.6 0.0 0.0#

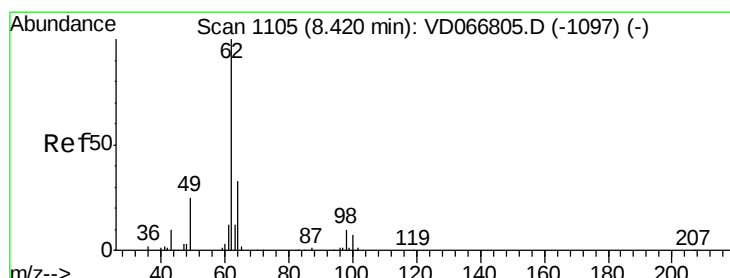
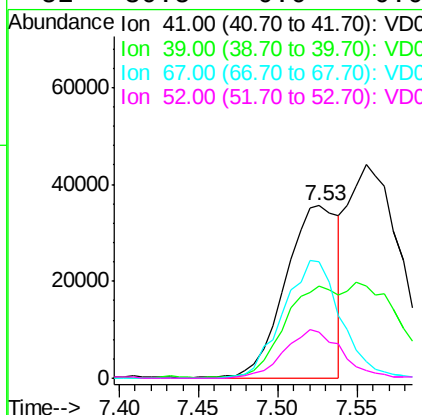
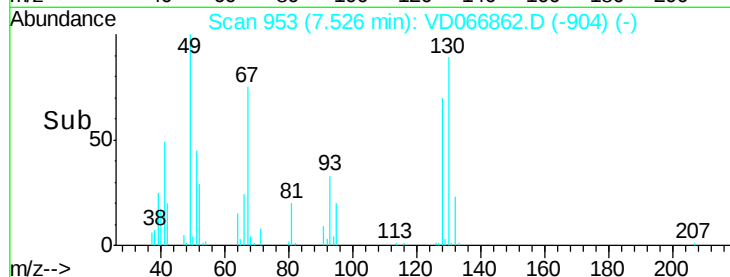
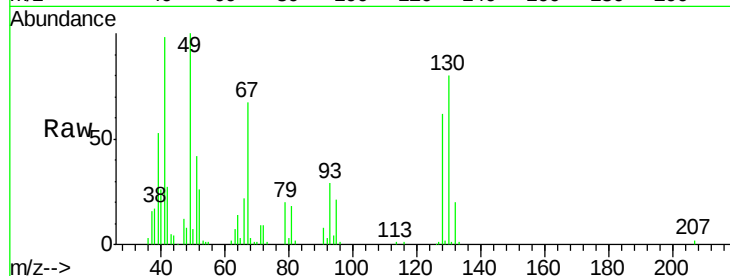
67 75.0 0.0 0.0#

52 30.5 0.0 0.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.202 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066862.D

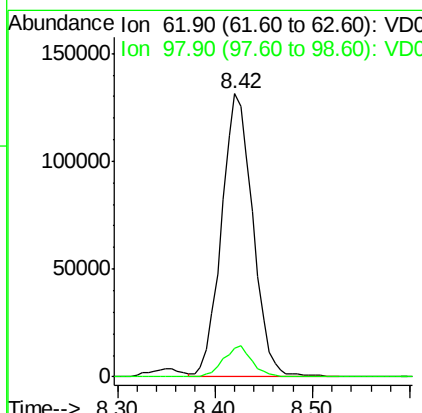
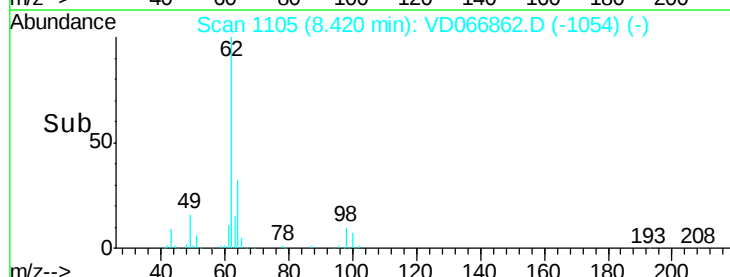
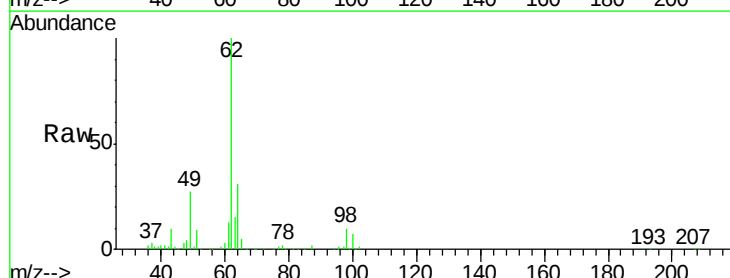
Acq: 24 Sep 2020 20:17

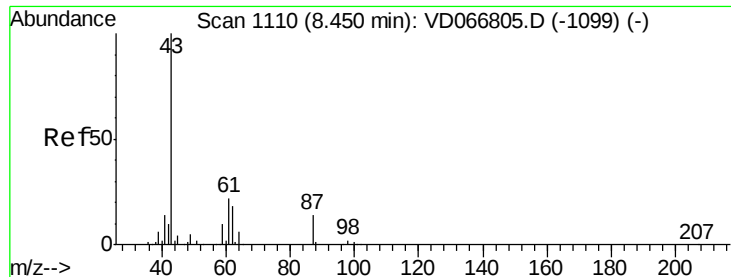
Tgt Ion: 62 Resp: 290257

Ion Ratio Lower Upper

62 100

98 10.1 0.0 19.8





#43

Isopropyl Acetate

Concen: 52.864 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

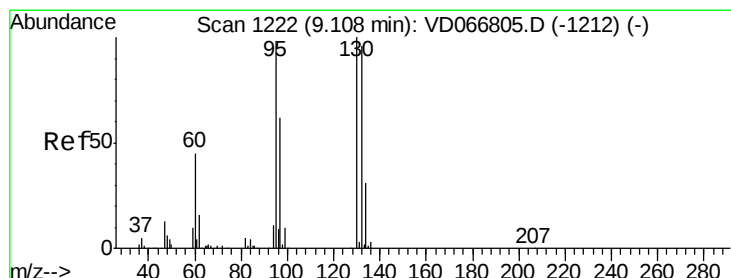
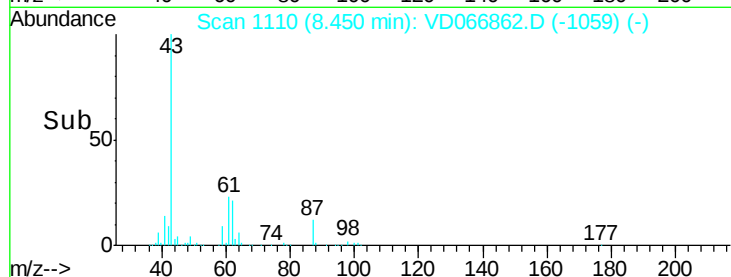
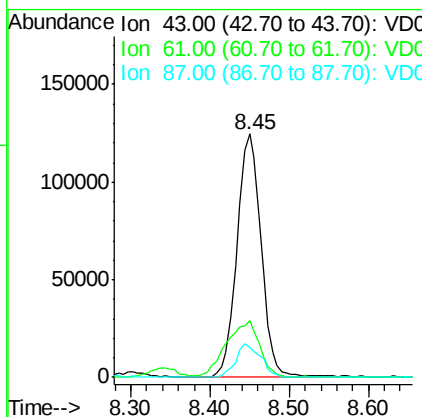
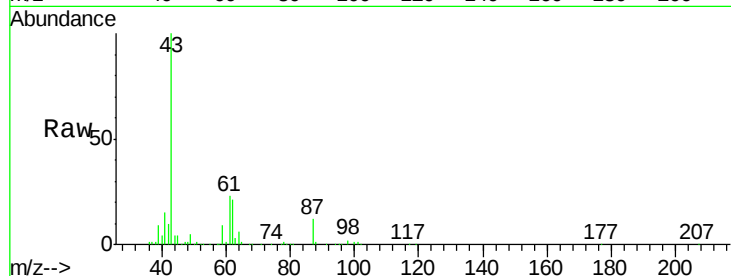
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	263814
Ion	Ratio	Lower	Upper
43	100		
61	31.7	26.2	39.4
87	14.0	11.5	17.3

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#44

Trichloroethene

Concen: 49.050 ug/l

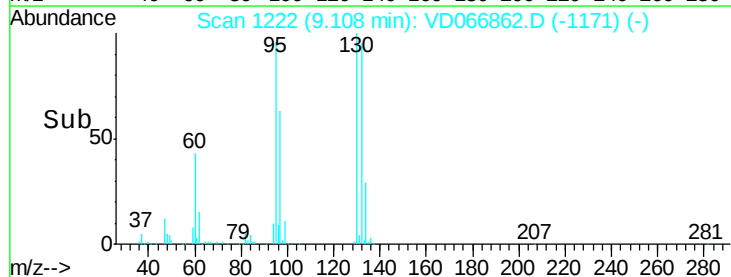
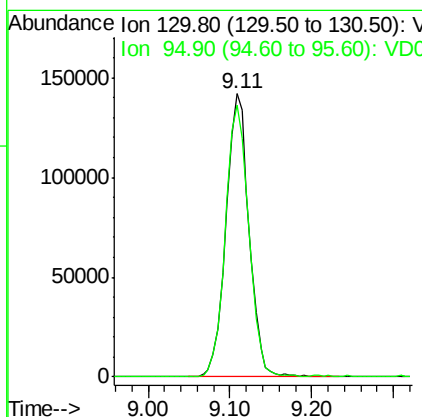
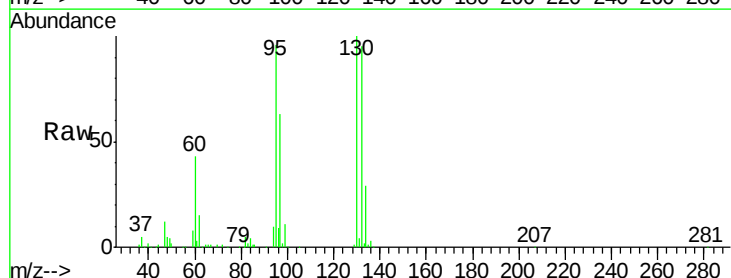
RT: 9.11 min Scan# 1222

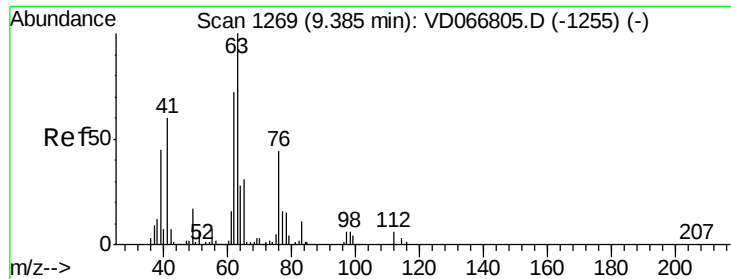
Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Tgt Ion:	130	Resp:	278993
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	197.0





#45

1,2-Dichloropropane

Concen: 49.892 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 250496

Ion Ratio Lower Upper

63 100

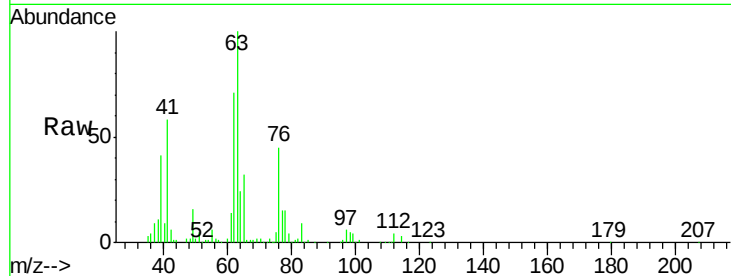
65 32.0 24.7 37.1

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

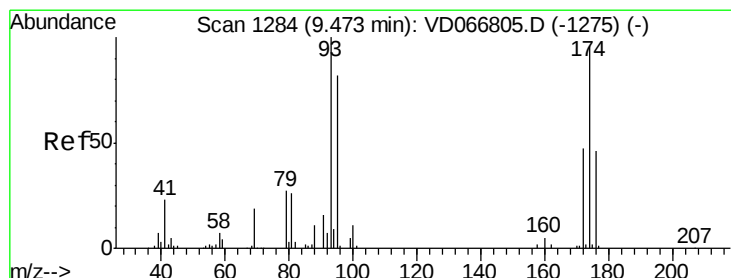
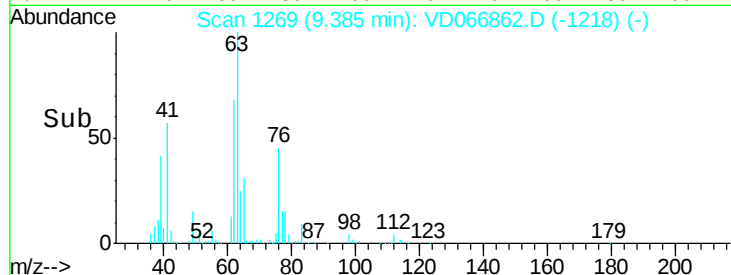
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 51.370 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

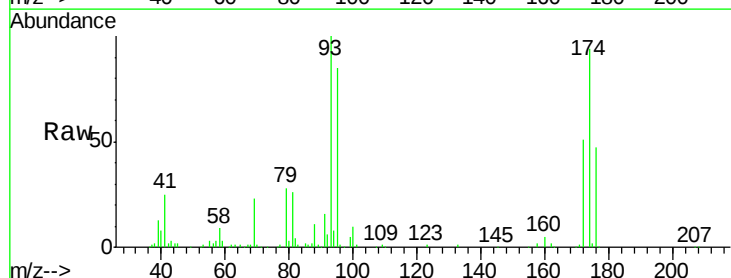
Tgt Ion: 93 Resp: 140131

Ion Ratio Lower Upper

93 100

95 81.2 65.3 97.9

174 94.6 75.4 113.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.47

80000

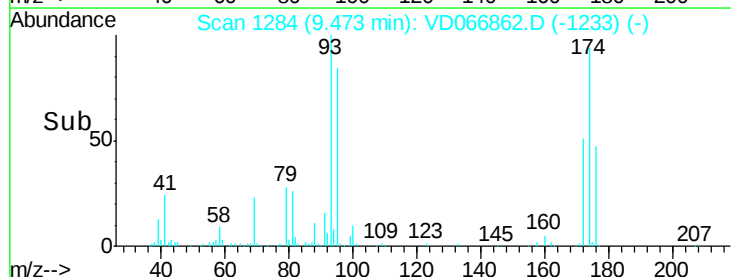
60000

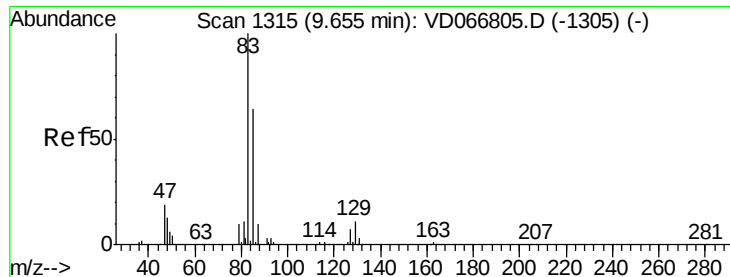
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 49.741 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

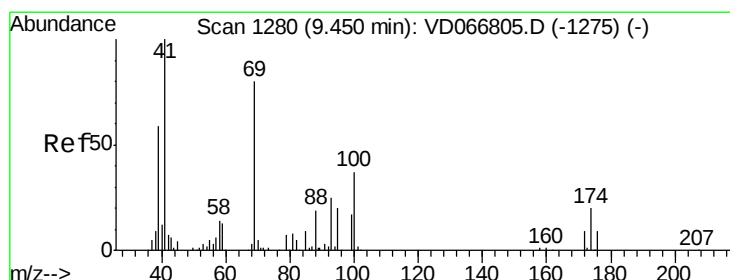
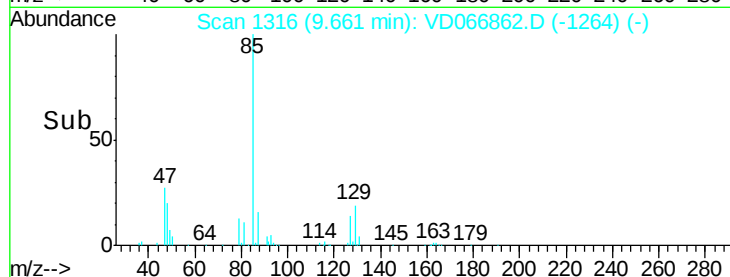
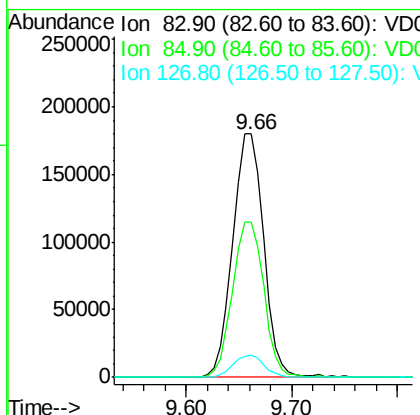
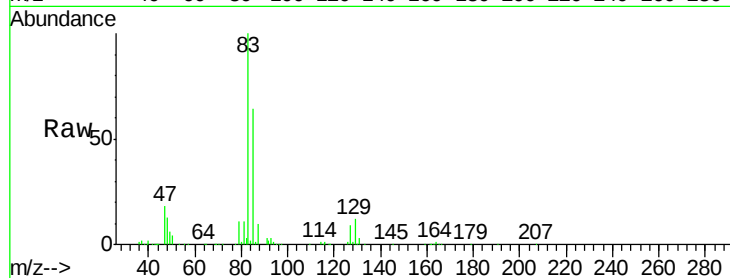
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	364500
Ion	Ratio	Lower	Upper
83	100		
85	64.0	50.9	76.3
127	9.0	5.9	8.9#

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#48

Methyl methacrylate

Concen: 51.517 ug/l

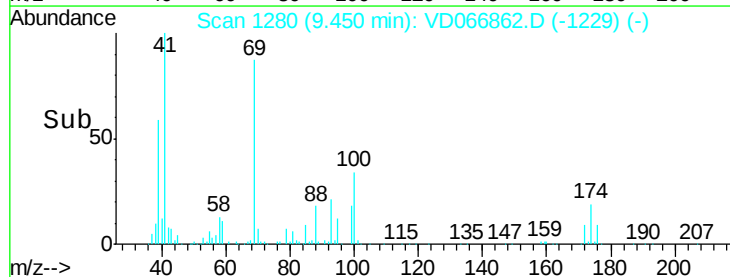
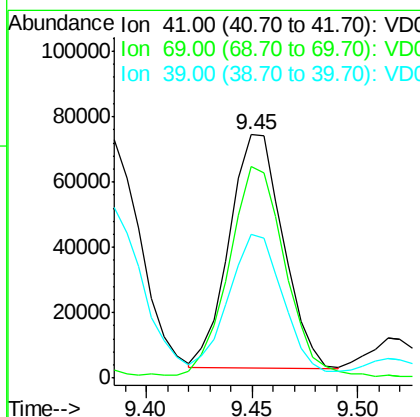
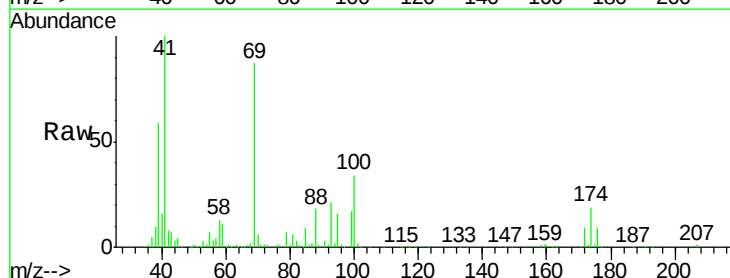
RT: 9.45 min Scan# 1280

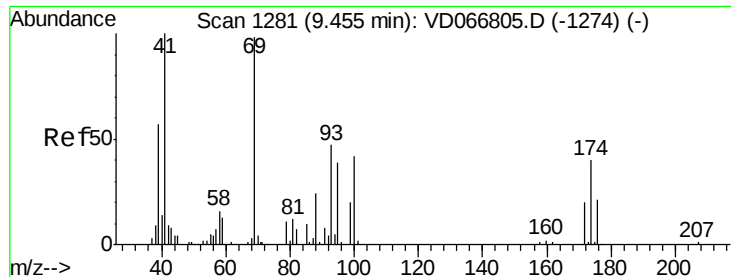
Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Tgt Ion:	41	Resp:	126757
Ion	Ratio	Lower	Upper
41	100		
69	94.1	74.5	111.7
39	58.1	47.0	70.6





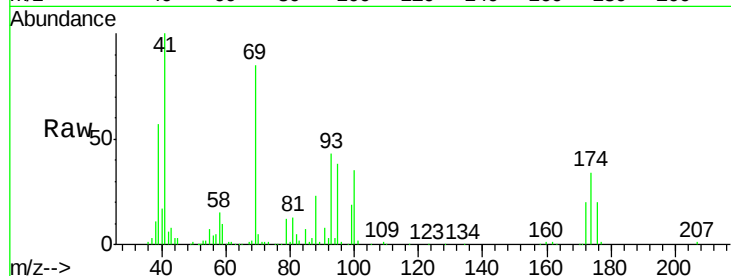
#49
1,4-Dioxane
Concen: 1116.662 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

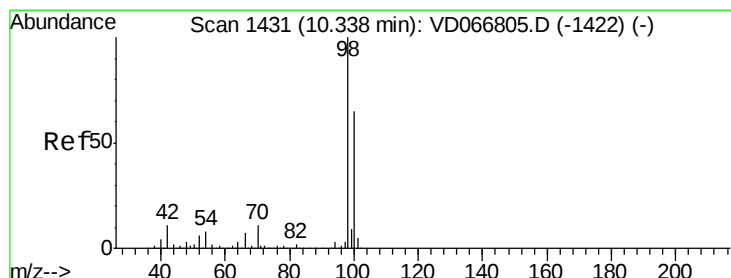
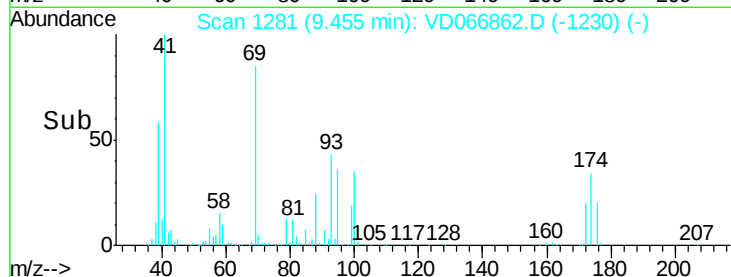
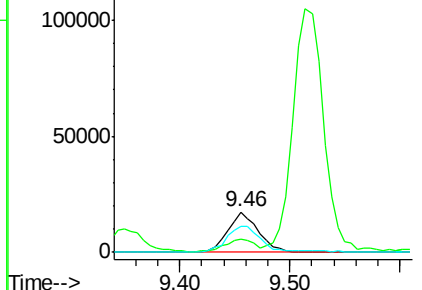
Tot Ion	88	Resp	34170
Ion	Ratio	Lower	Upper
88	100		
43	28.9	27.7	41.5
58	69.9	55.5	83.3

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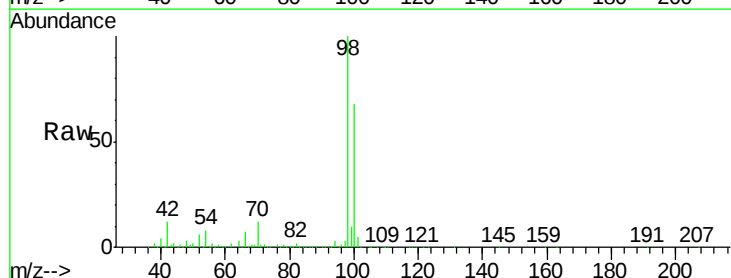


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

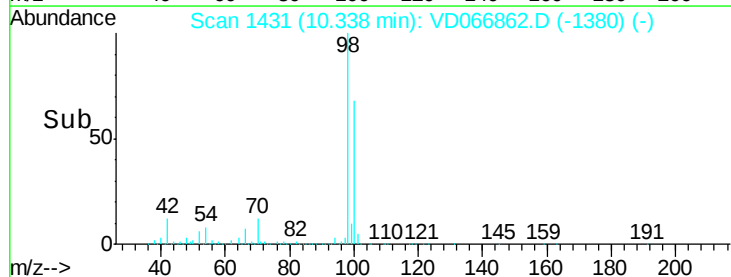
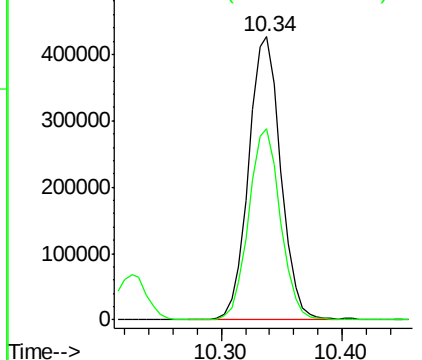


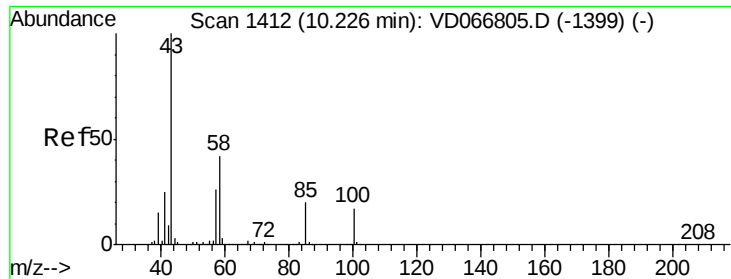
#50
Toluene-d8
Concen: 50.484 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion	98	Resp	789800
Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.2	78.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 269.238 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 680812

Ion Ratio Lower Upper

43 100

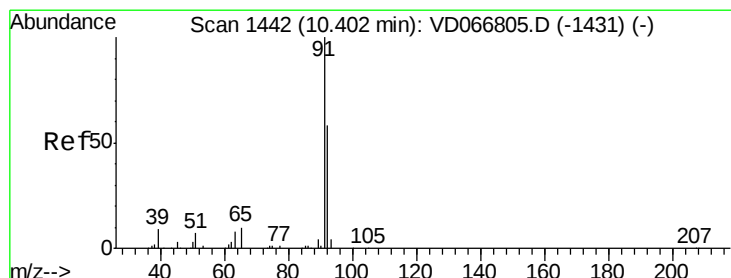
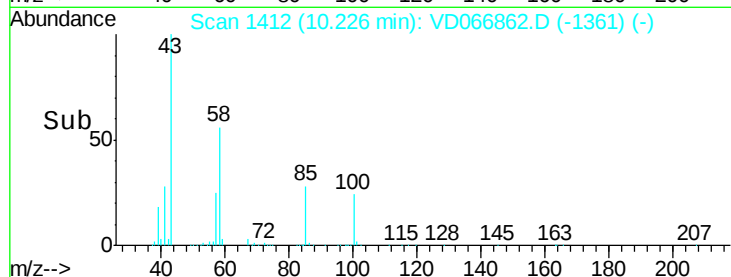
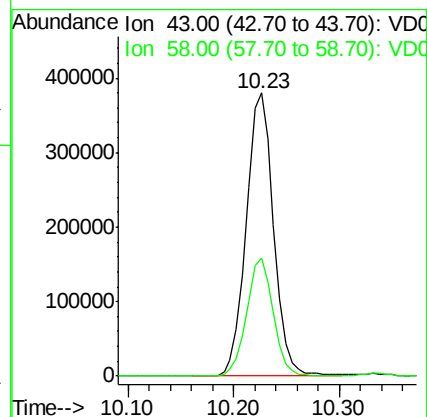
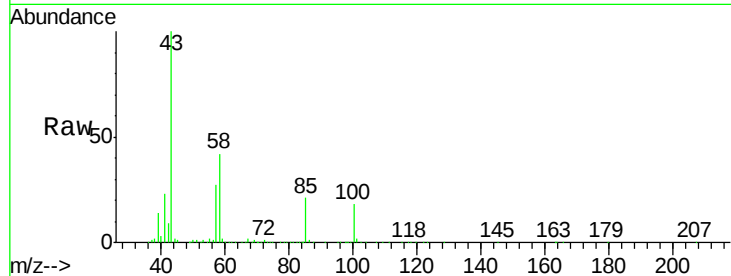
58 40.7 32.2 48.4

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#52

Toluene

Concen: 51.447 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066862.D

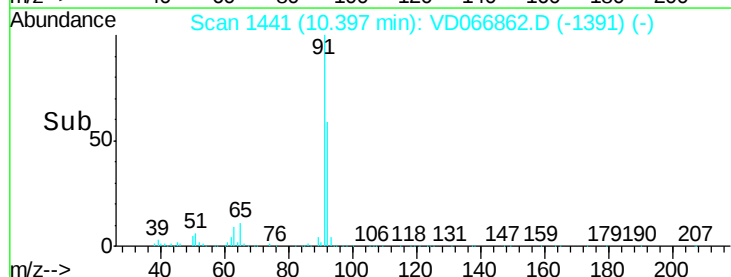
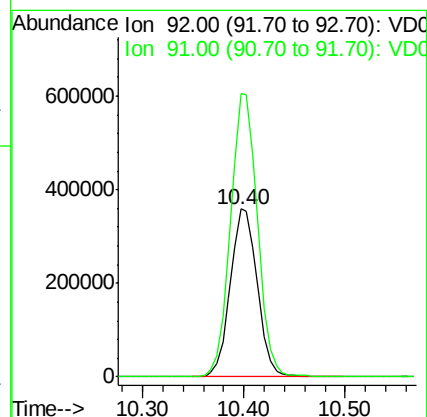
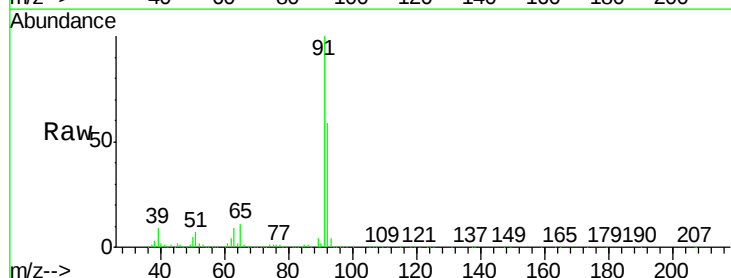
Acq: 24 Sep 2020 20:17

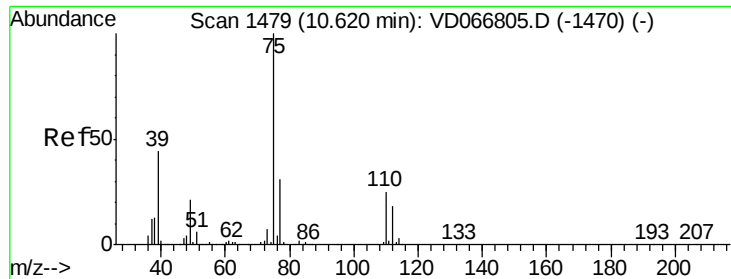
Tgt Ion: 92 Resp: 661293

Ion Ratio Lower Upper

92 100

91 168.8 134.6 202.0





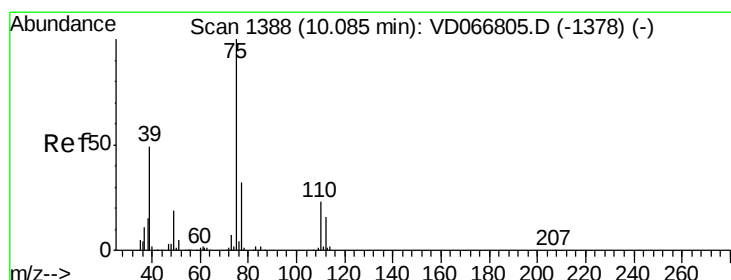
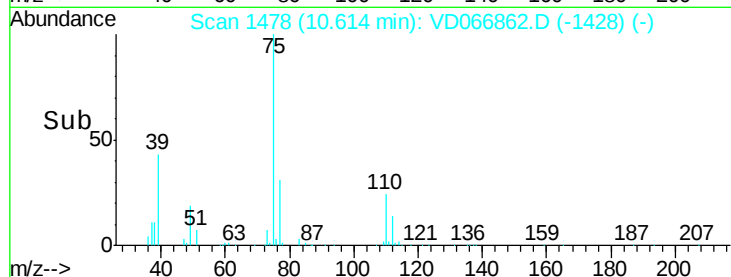
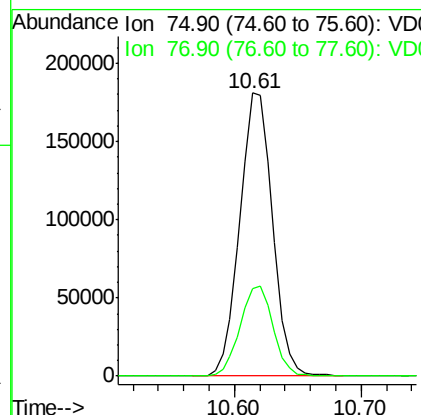
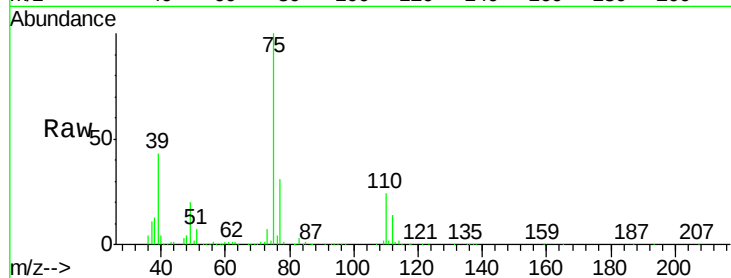
#53
 t-1,3-Dichloropropene
 Concen: 52.004 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 324355
 Ion Ratio Lower Upper
 75 100
 77 30.6 24.5 36.7

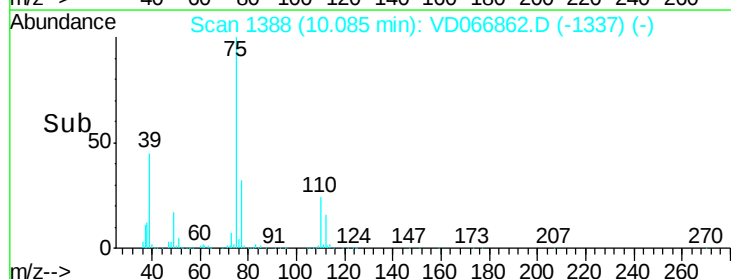
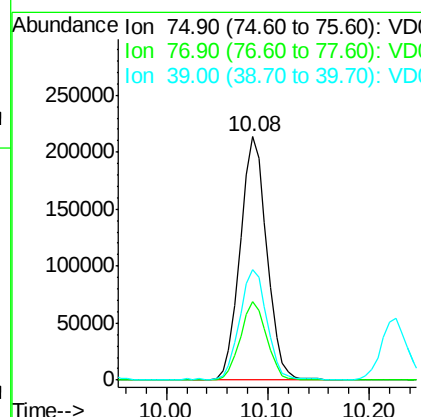
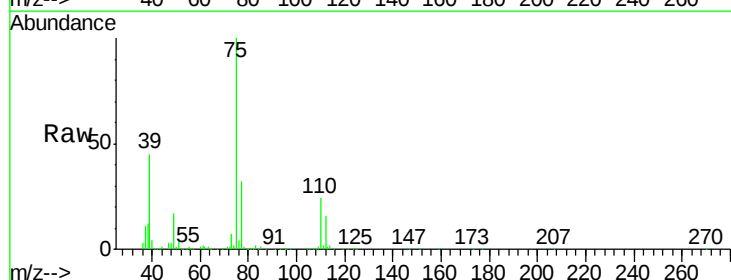
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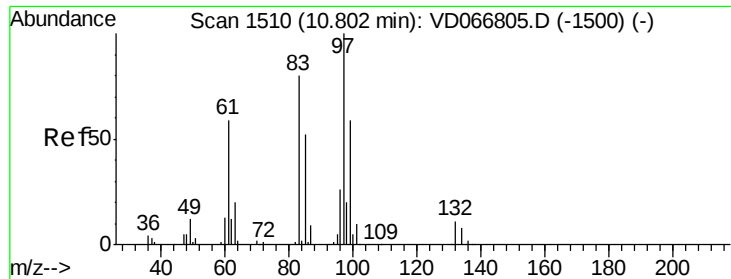
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#54
 cis-1,3-Dichloropropene
 Concen: 51.303 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Tgt Ion: 75 Resp: 390171
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.6 38.4
 39 45.3 39.2 58.8





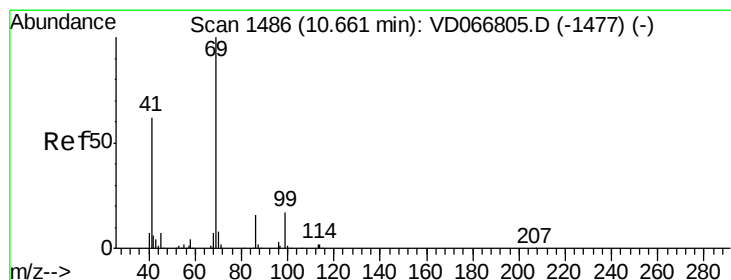
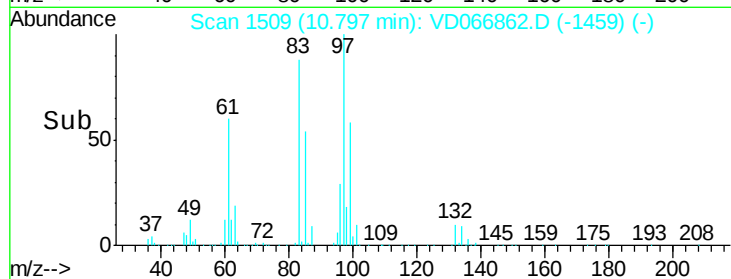
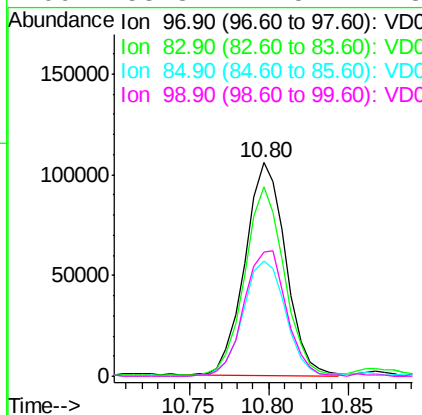
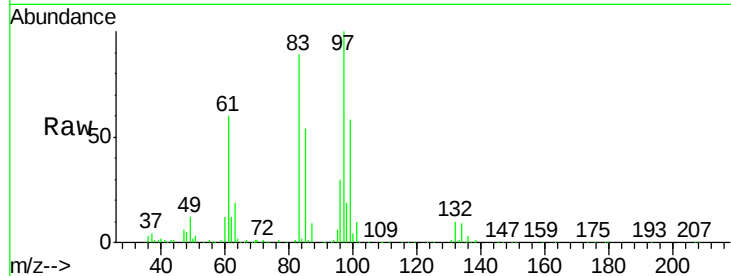
#55
 1,1,2-Trichloroethane
 Concen: 50.461 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.4	64.2	96.2
85	54.2	41.9	62.9
99	58.3	47.5	71.3

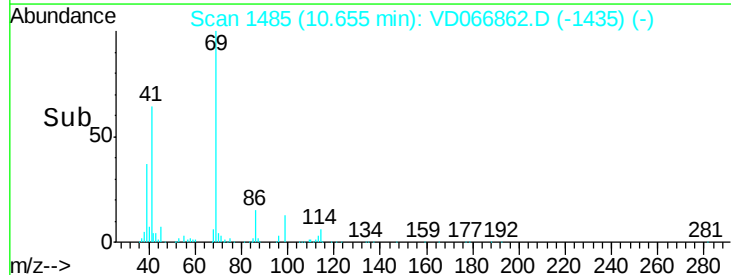
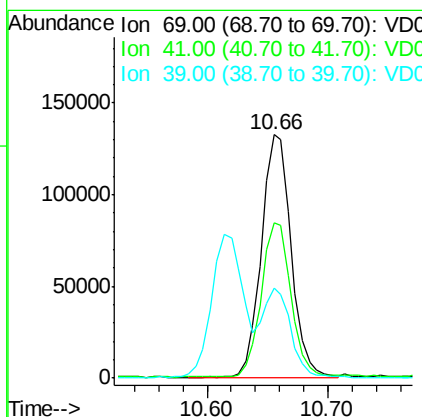
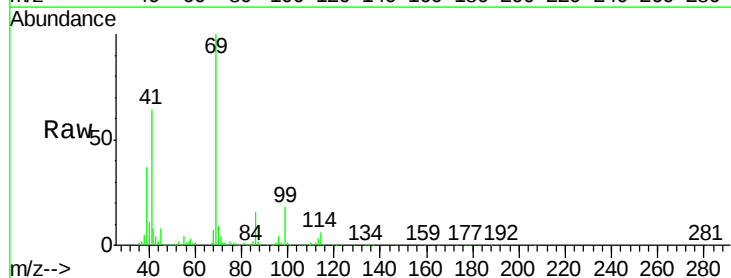
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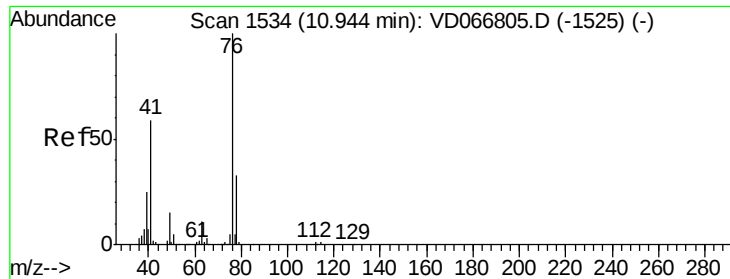
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#56
 Ethyl methacrylate
 Concen: 56.666 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.0	52.2	78.2
39	36.2	26.6	40.0





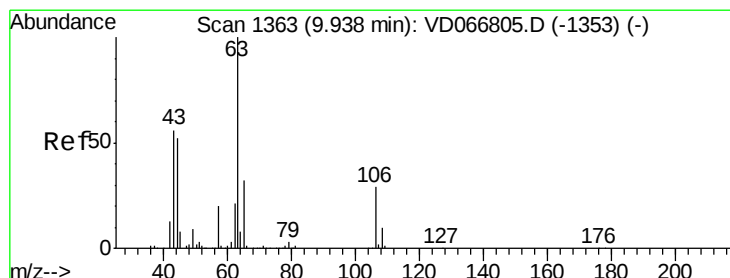
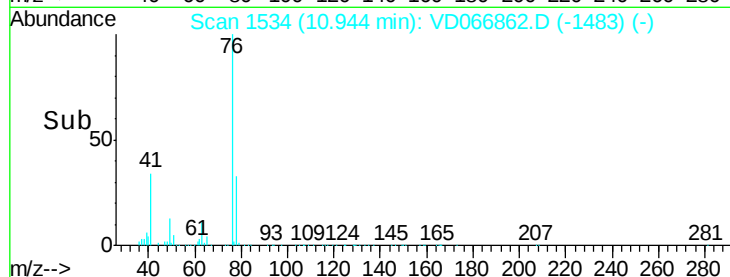
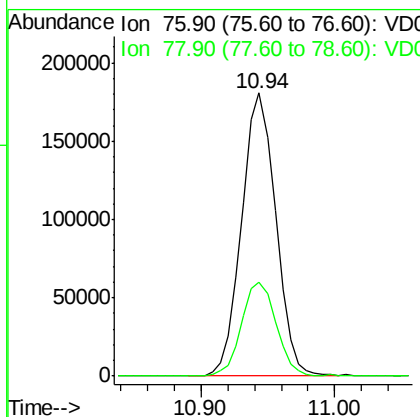
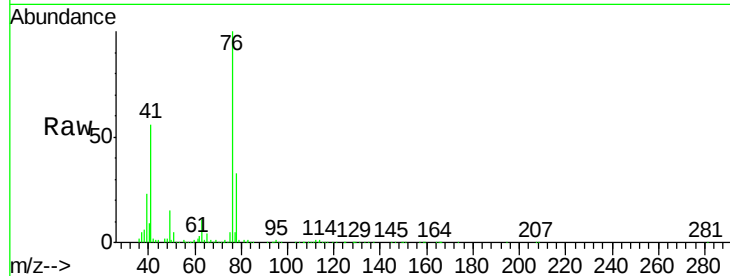
#57
 1,3-Dichloropropane
 Concen: 51.682 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 320030
 Ion Ratio Lower Upper
 76 100
 78 33.5 26.3 39.5

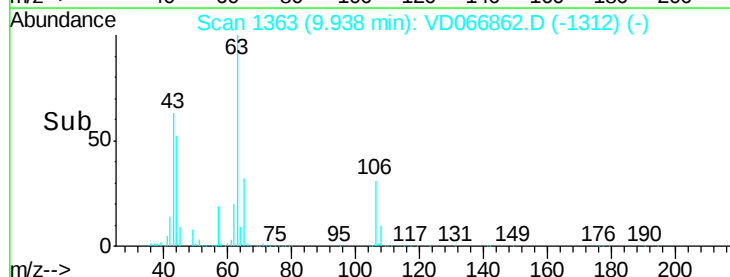
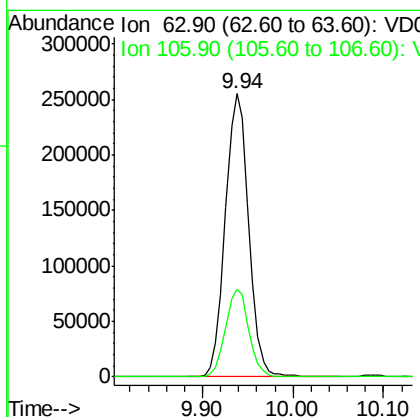
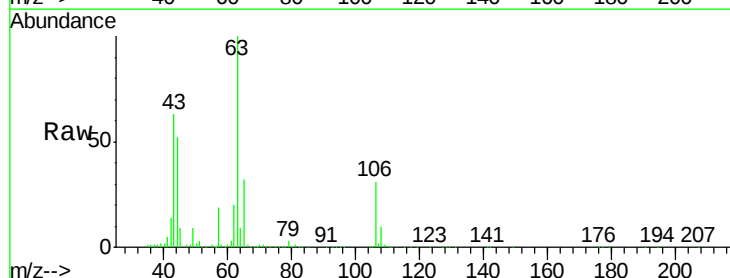
Manual Integrations
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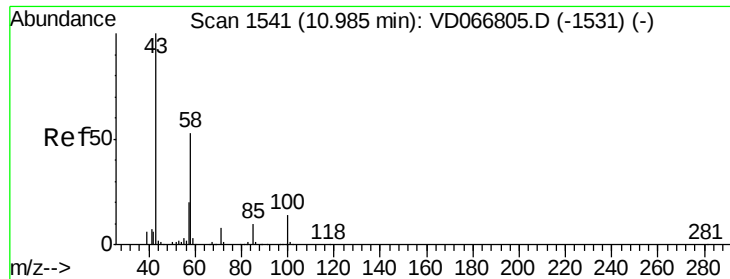
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#58
 2-Chloroethyl Vinyl ether
 Concen: 239.817 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Tgt Ion: 63 Resp: 456180
 Ion Ratio Lower Upper
 63 100
 106 31.1 23.8 35.6





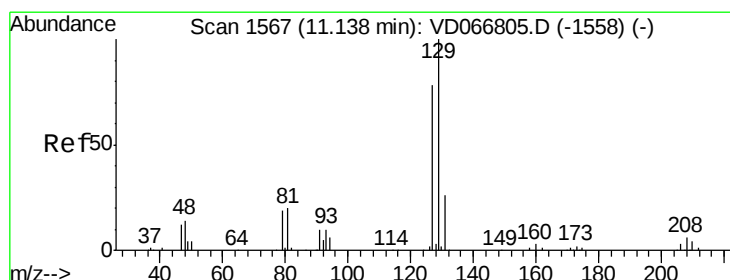
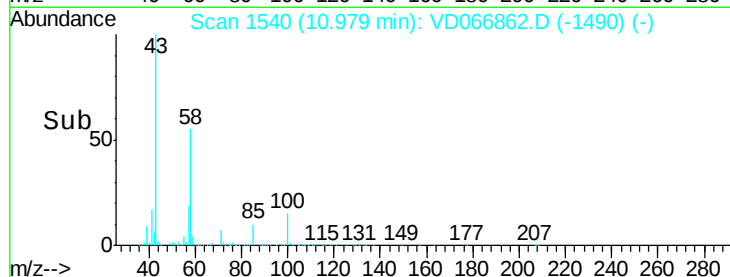
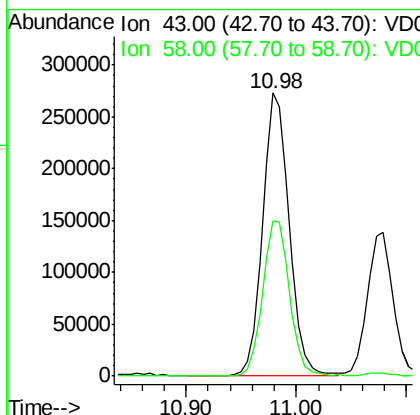
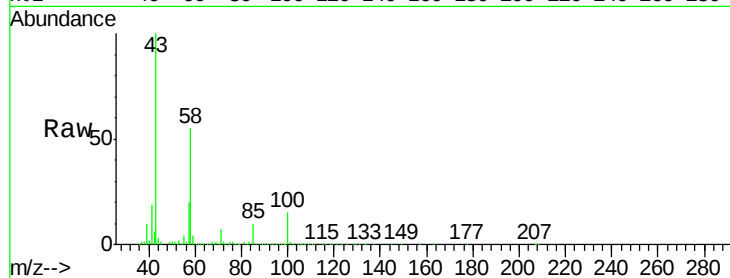
#59
2-Hexanone
Concen: 269.217 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 459086
Ion Ratio Lower Upper
43 100
58 55.9 27.0 80.8

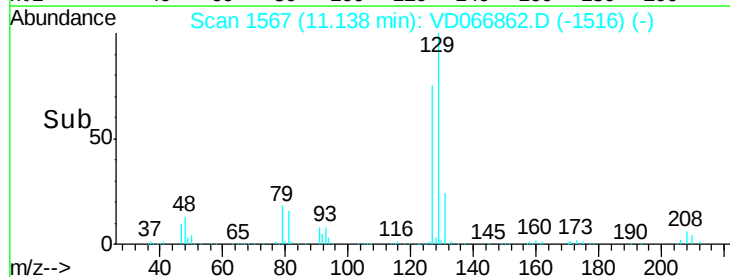
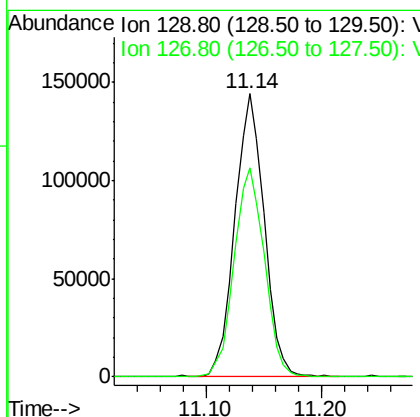
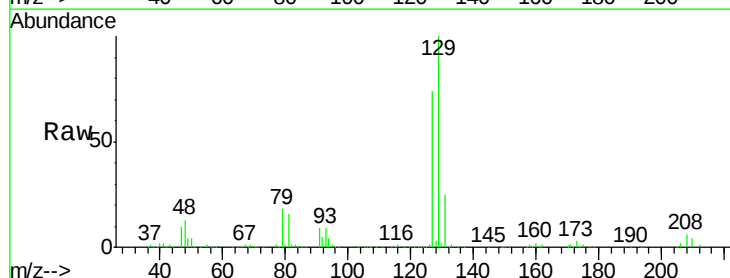
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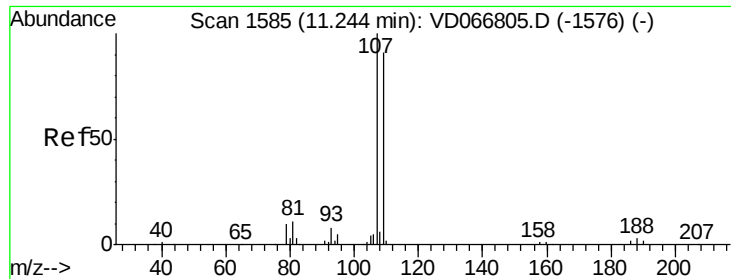
MMDadoda
9/25/2020 4:00:18 PM



#60
Dibromochloromethane
Concen: 51.583 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion: 129 Resp: 252463
Ion Ratio Lower Upper
129 100
127 76.9 38.6 116.0





#61

1,2-Dibromoethane

Concen: 53.598 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 186952

Ion Ratio Lower Upper

107 100

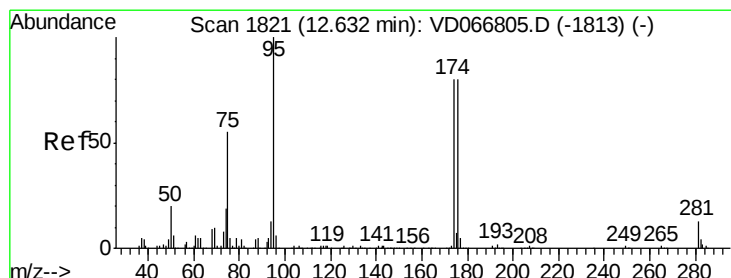
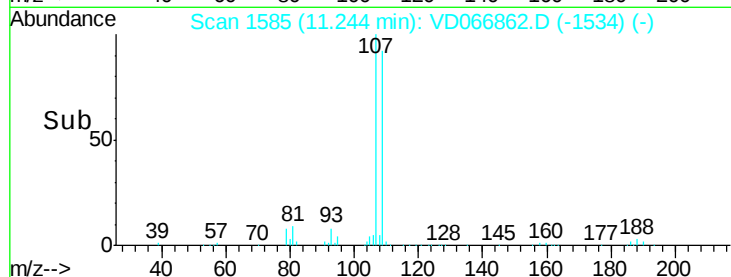
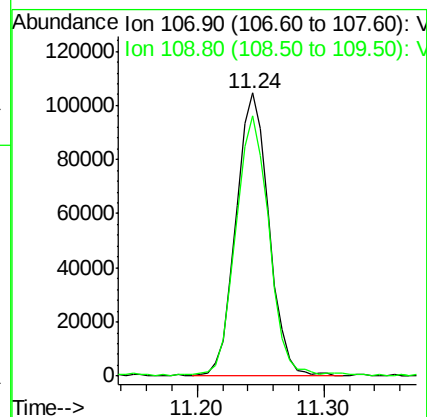
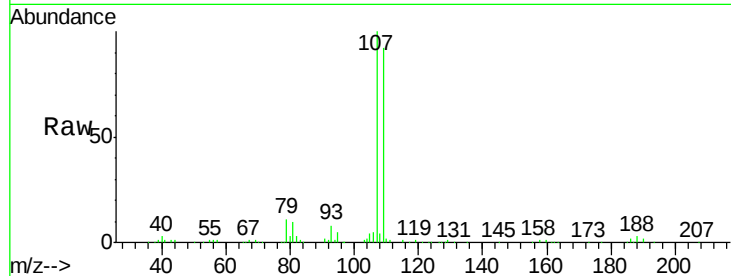
109 93.0 75.0 112.4

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9/25/2020 4:00:18 PM



#62

4-Bromofluorobenzene

Concen: 53.309 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

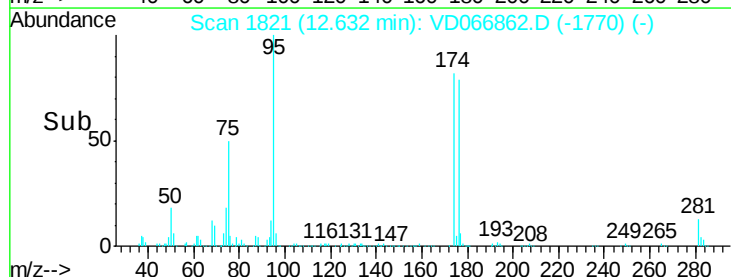
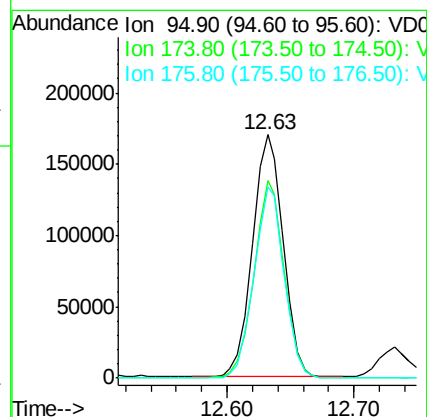
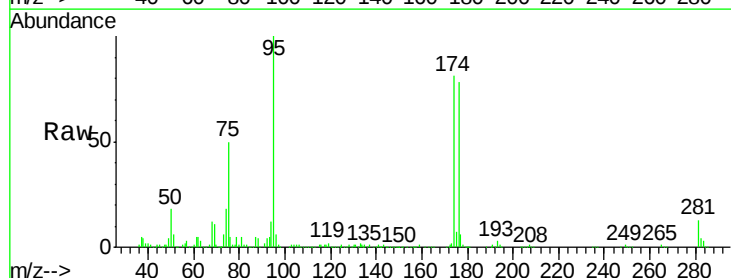
Tgt Ion: 95 Resp: 285504

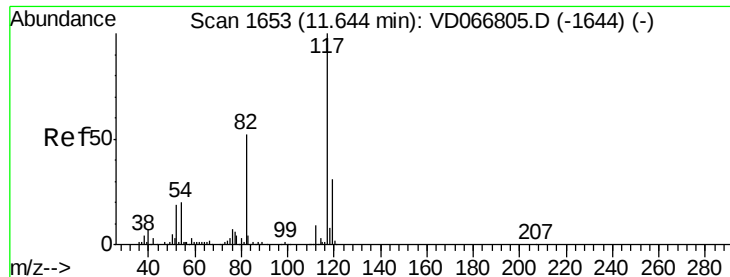
Ion Ratio Lower Upper

95 100

174 80.5 0.0 159.8

176 77.7 0.0 154.4





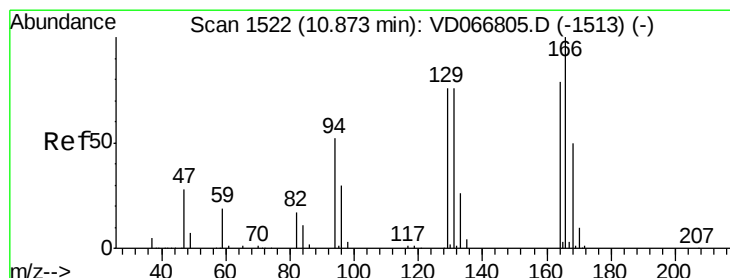
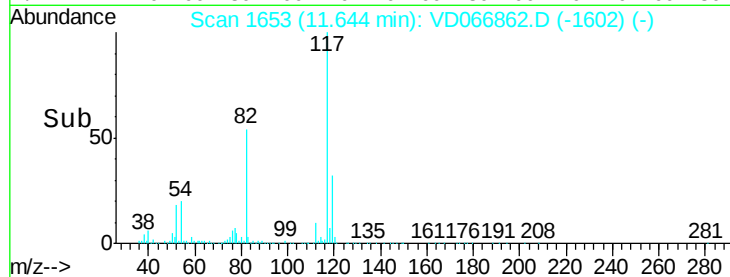
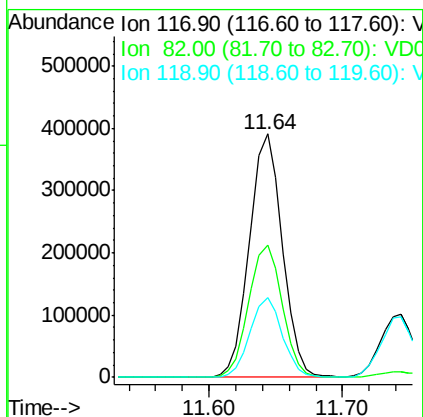
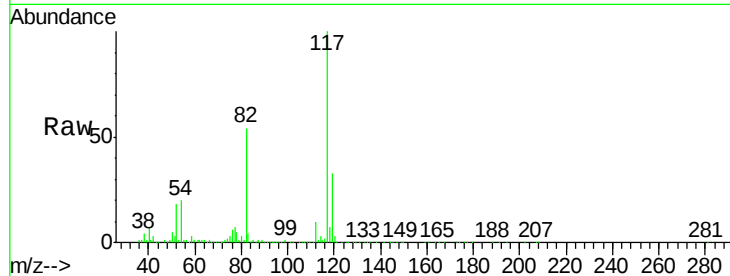
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	41.8	62.6
119	32.5	24.6	37.0

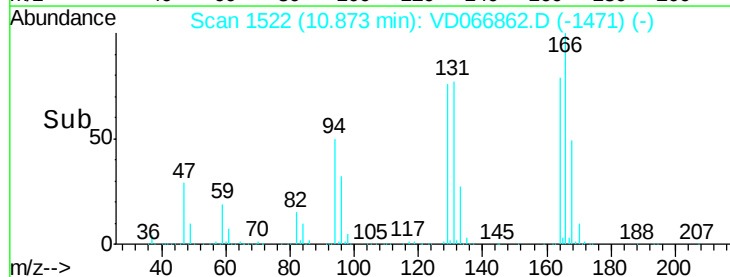
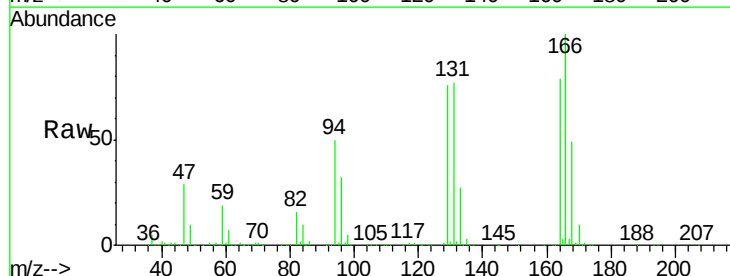
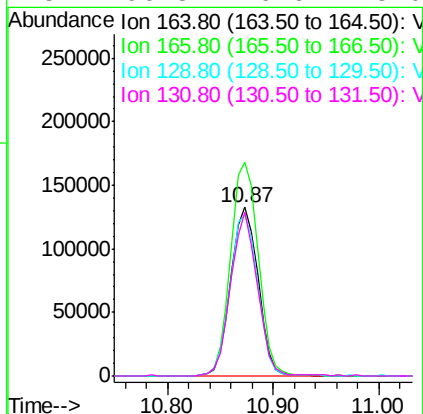
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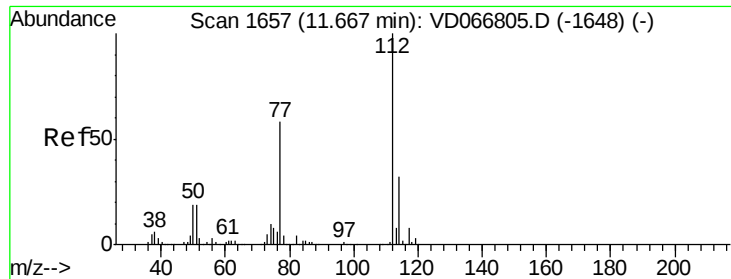
MMDadoda
9/25/2020 4:00:18 PM



#64
Tetrachloroethene
Concen: 49.822 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.1	151.7
129	95.9	77.0	115.4
131	96.8	76.6	115.0





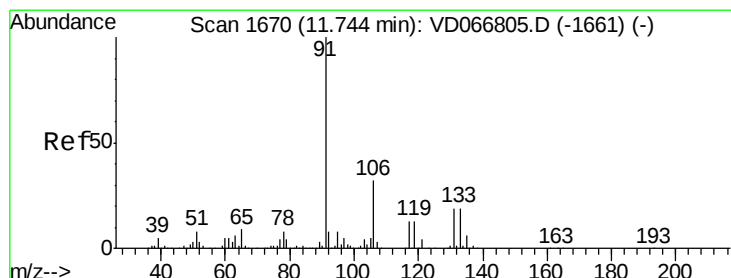
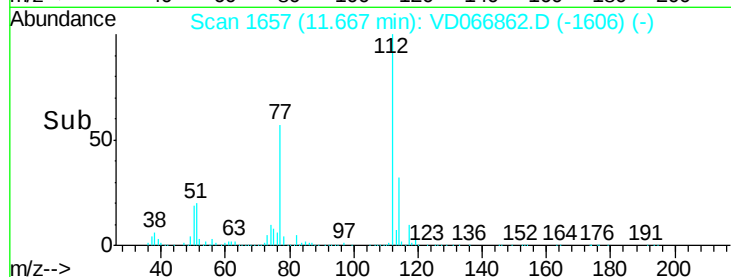
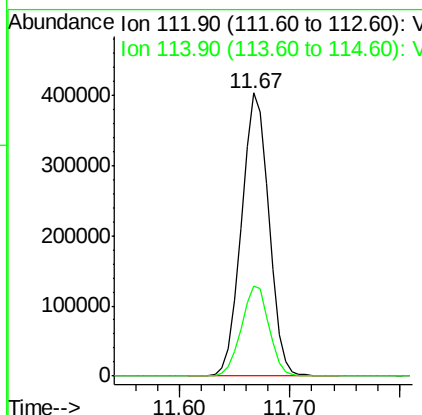
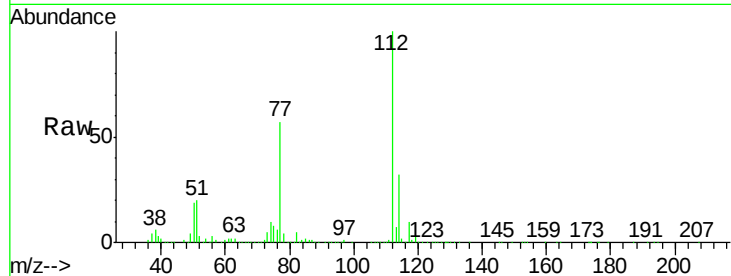
#65
Chlorobenzene
Concen: 50.986 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 705538
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2

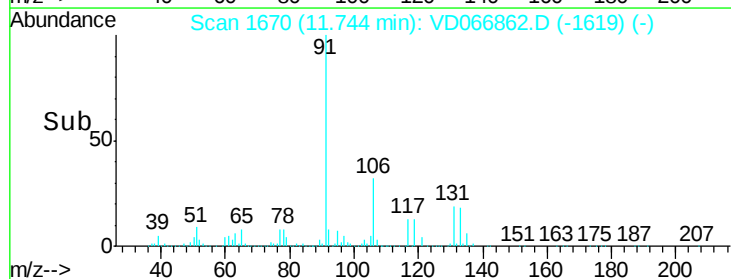
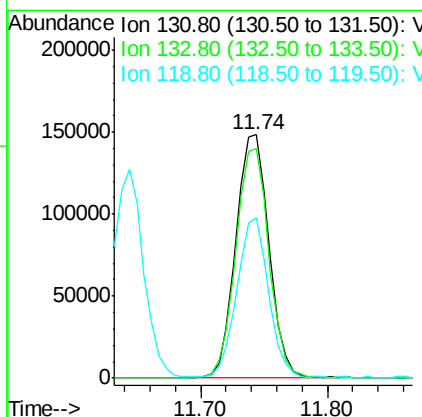
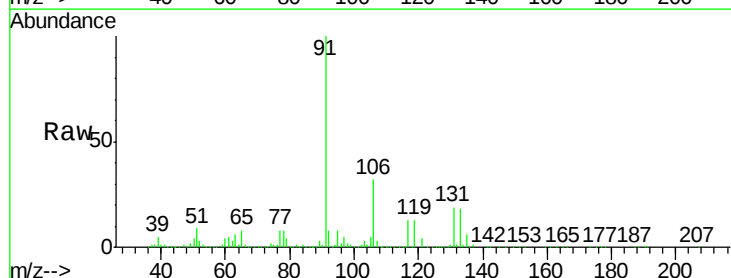
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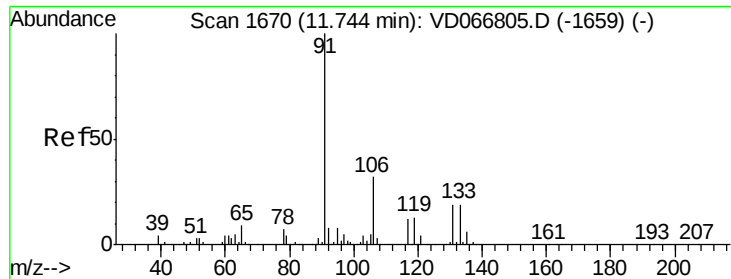
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.166 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion:131 Resp: 267977
Ion Ratio Lower Upper
131 100
133 94.9 46.7 140.1
119 63.1 32.3 96.9





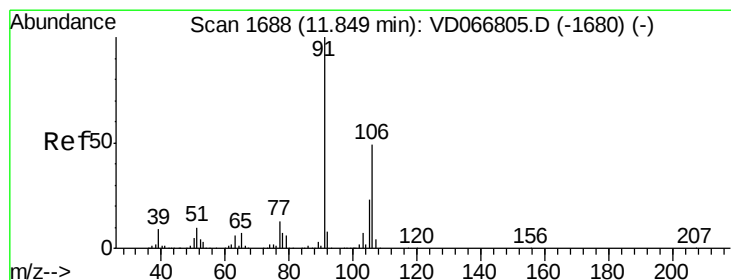
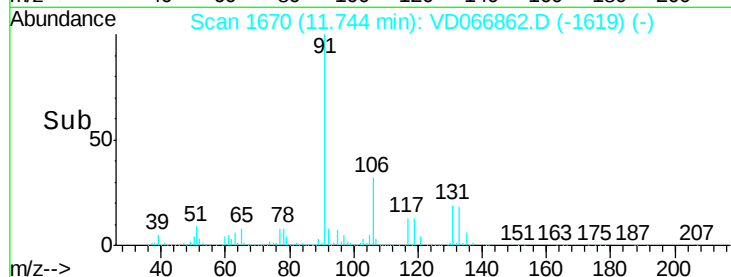
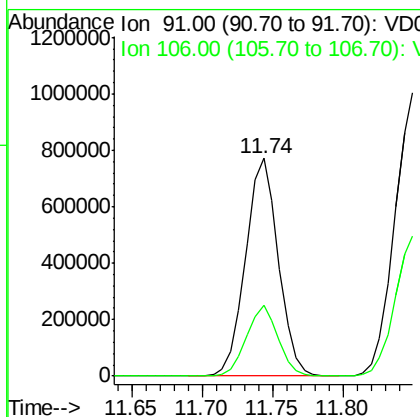
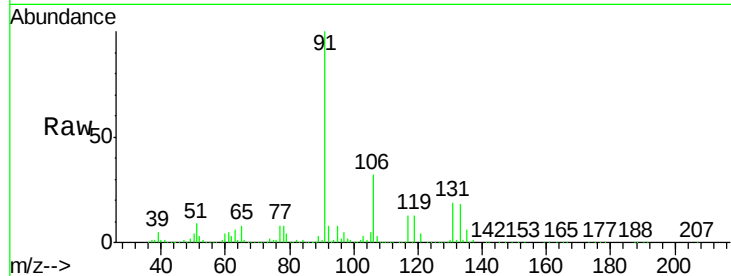
#67
Ethyl Benzene
Concen: 51.733 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1257300
Ion Ratio Lower Upper
91 100
106 32.3 25.6 38.4

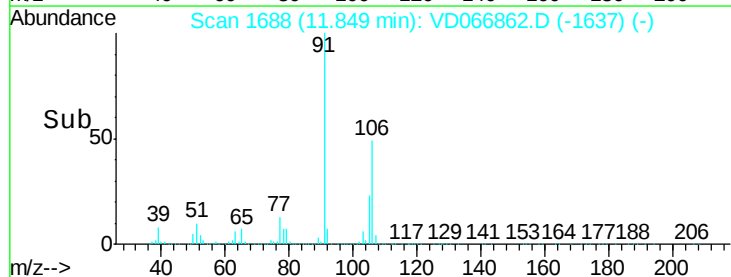
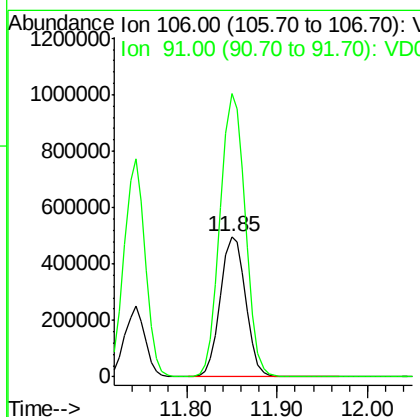
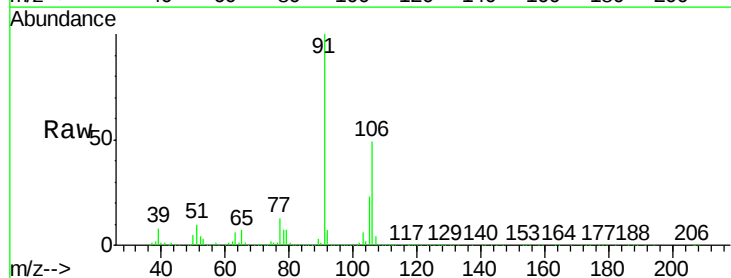
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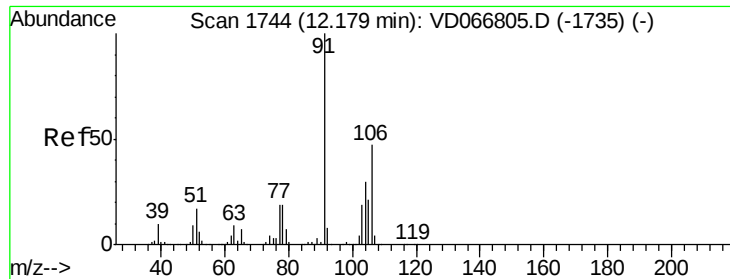
MMDadoda
9/25/2020 4:00:18 PM



#68
m/p-Xylenes
Concen: 104.341 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion: 106 Resp: 960119
Ion Ratio Lower Upper
106 100
91 201.0 160.7 241.1





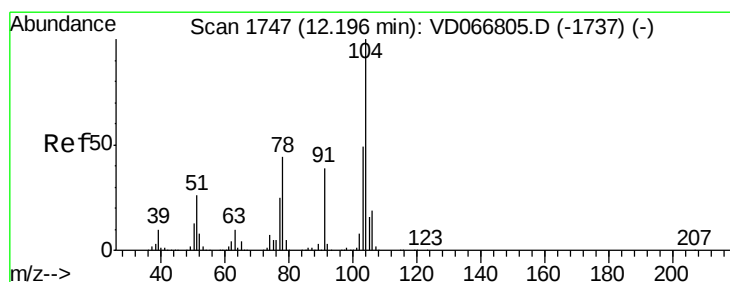
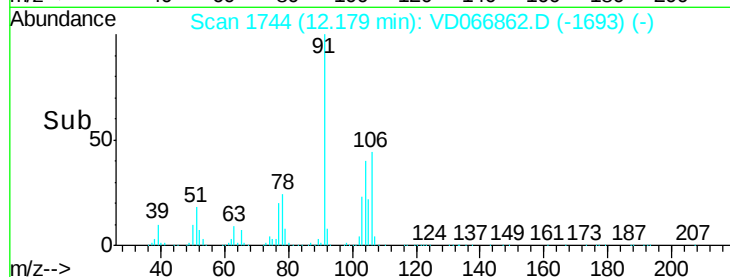
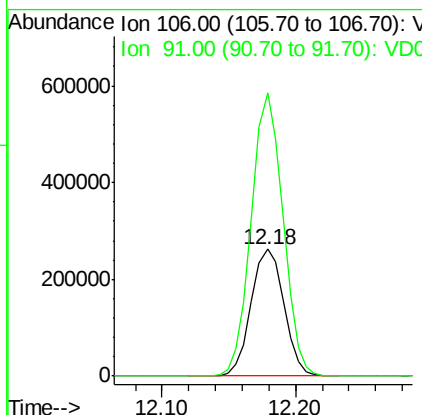
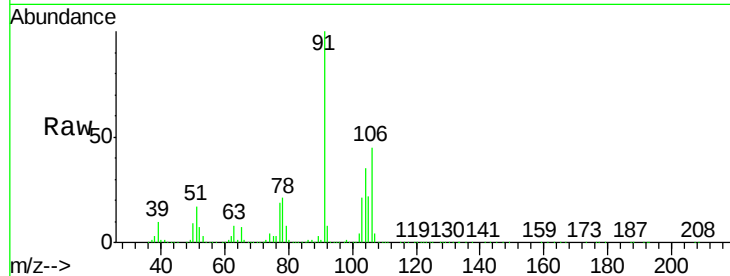
#69
o-Xylene
Concen: 53.590 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 445896
Ion Ratio Lower Upper
106 100
91 214.7 106.3 318.8

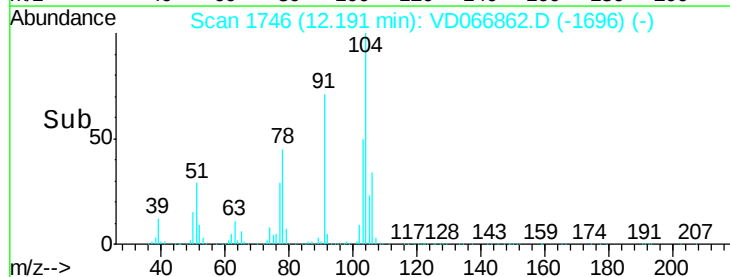
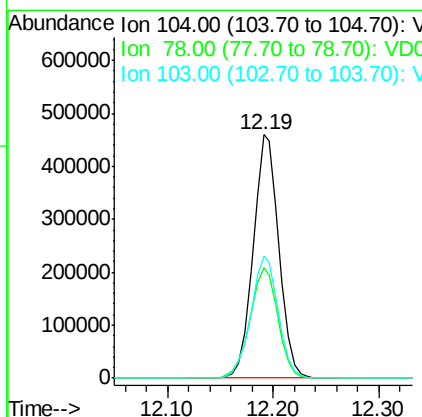
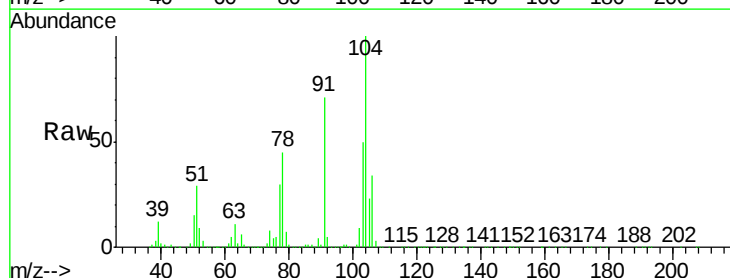
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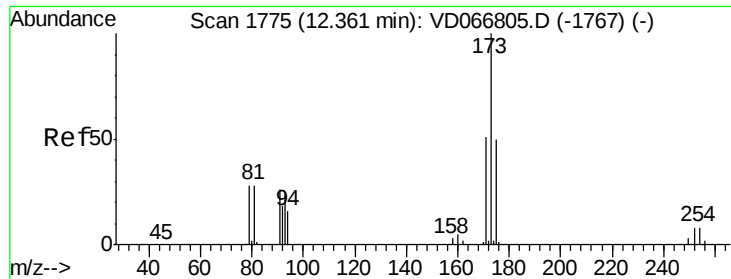
MMDadoda
9/25/2020 4:00:18 PM



#70
Styrene
Concen: 53.719 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion:104 Resp: 776210
Ion Ratio Lower Upper
104 100
78 49.1 38.9 58.3
103 53.7 43.2 64.8





#71

Bromoform

Concen: 53.061 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

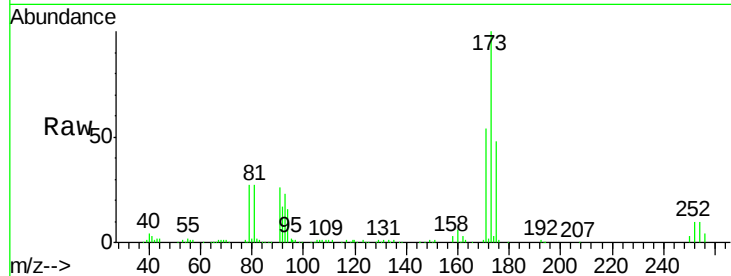
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.9	74.6
254	0.0	0.1	0.1#

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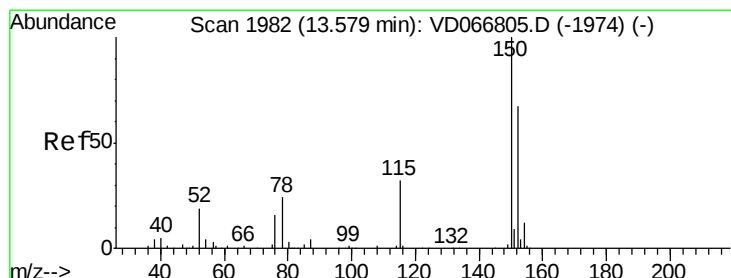
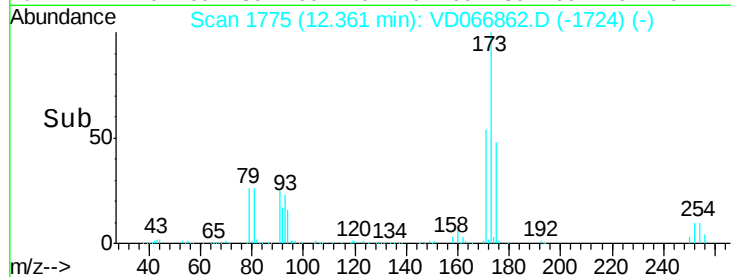
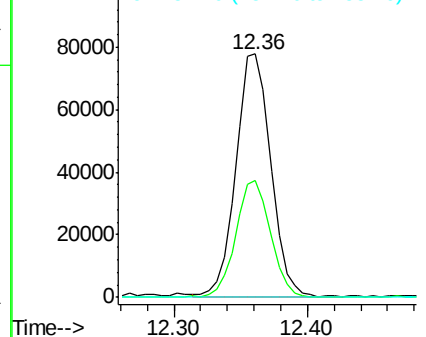


Abundance

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

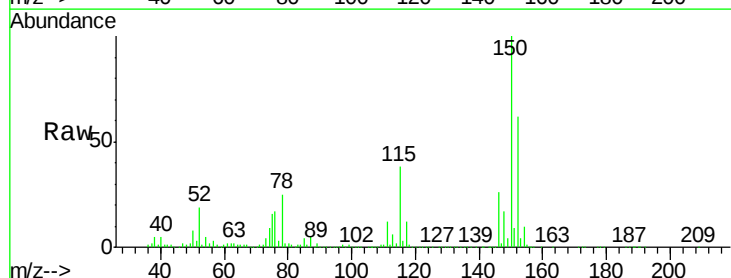
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.3	91.0
150	172.8	0.0	346.2

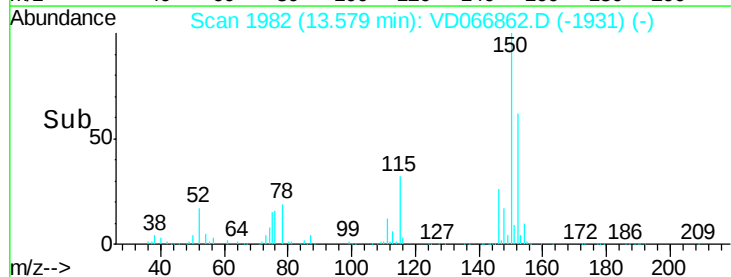
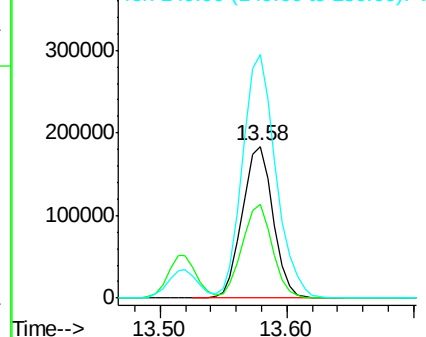


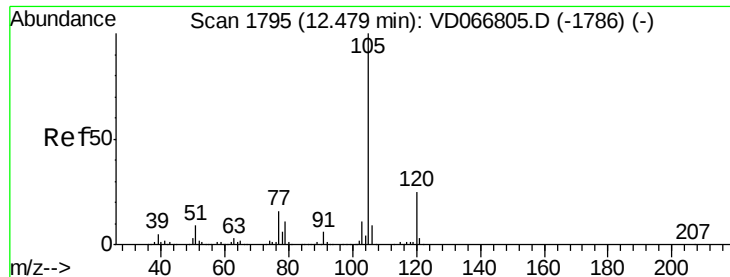
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





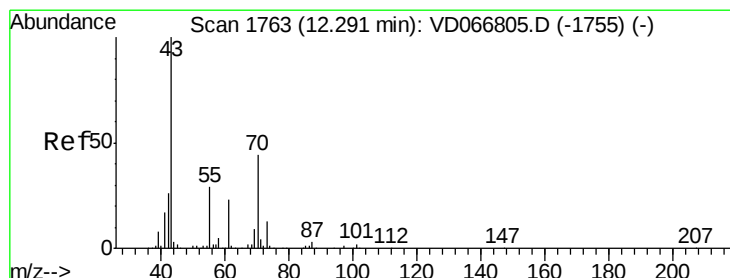
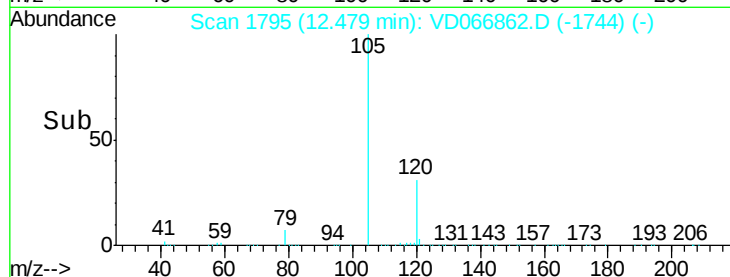
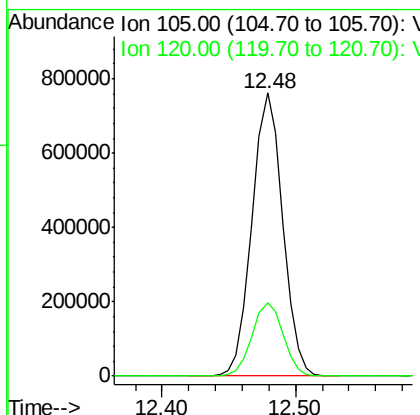
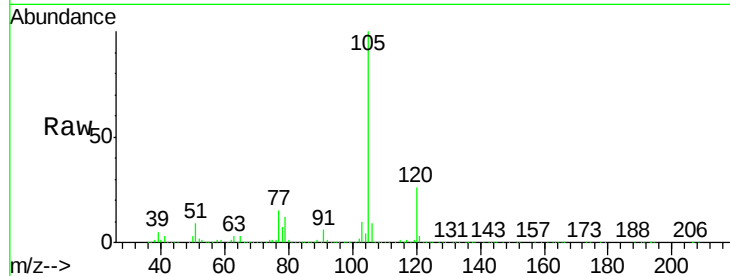
#73
Isopropylbenzene
Concen: 53.872 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1202633
Ion Ratio Lower Upper
105 100
120 26.3 12.9 38.6

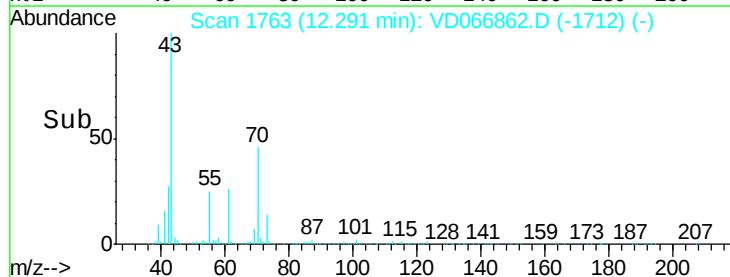
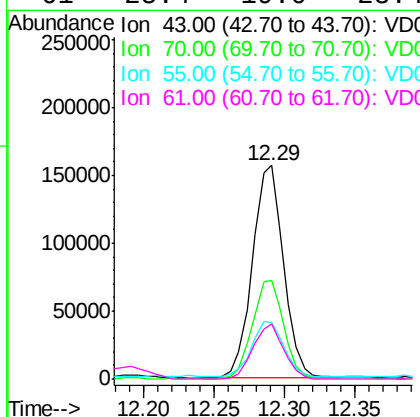
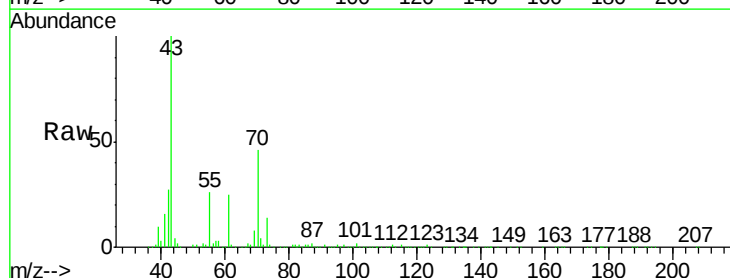
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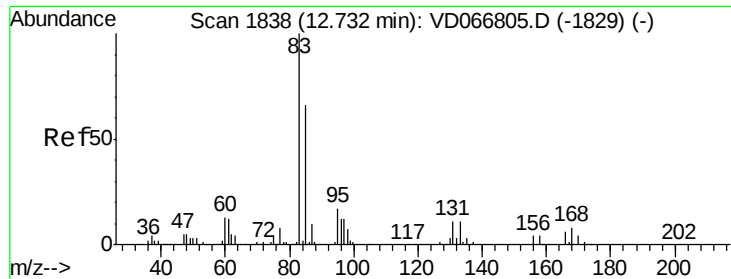
MMDadoda
9/25/2020 4:00:18 PM



#74
N-ethyl acetate
Concen: 55.708 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion: 43 Resp: 242861
Ion Ratio Lower Upper
43 100
70 46.6 36.1 54.1
55 26.5 21.8 32.8
61 25.4 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.815 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 207303

Ion Ratio Lower Upper

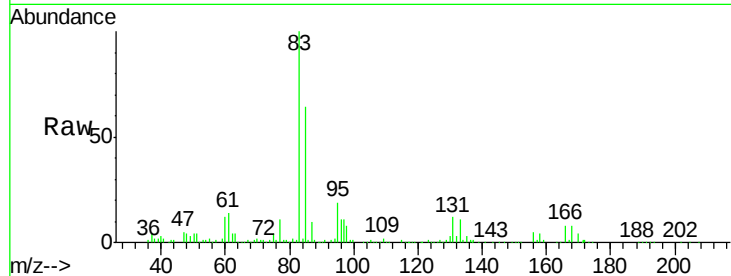
83 100

131 11.3 5.5 16.7

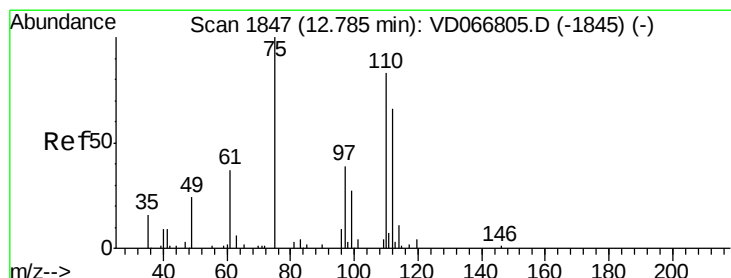
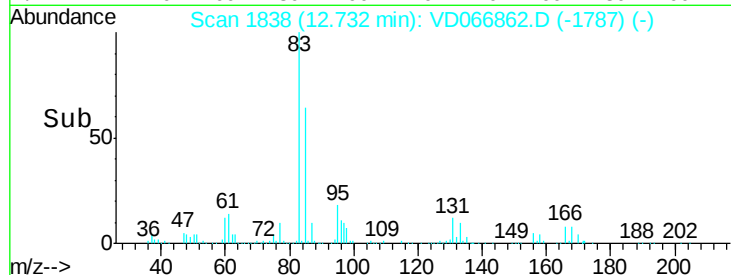
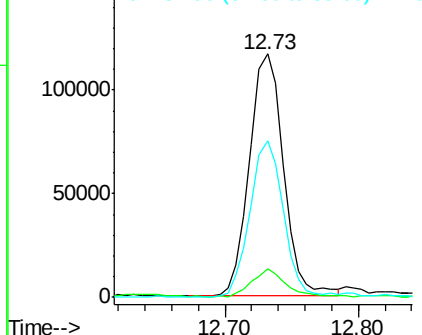
85 63.8 32.1 96.5

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 48.162 ug/l m

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD066862.D

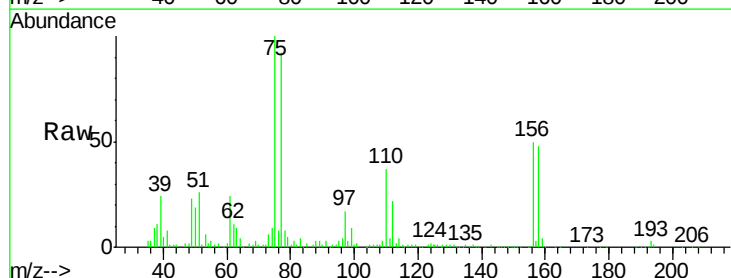
Acq: 24 Sep 2020 20:17

Tgt Ion: 75 Resp: 123340

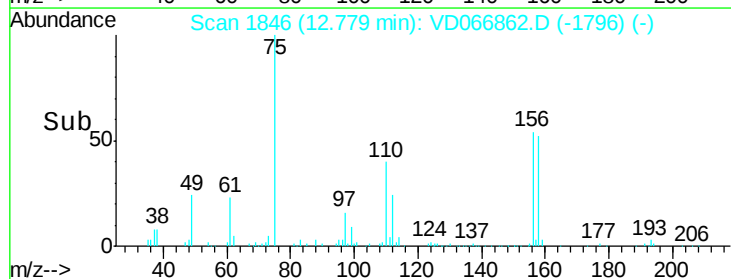
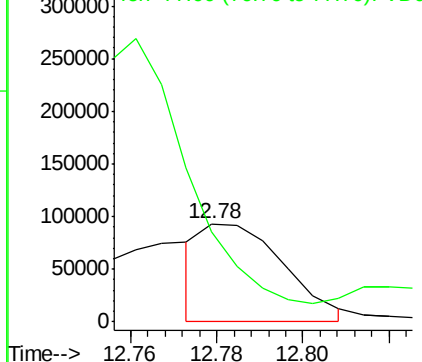
Ion Ratio Lower Upper

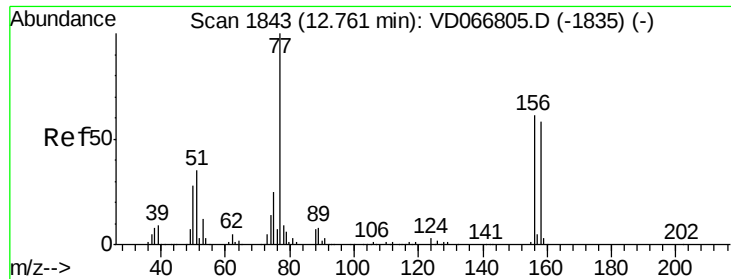
75 100

77 407.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 53.483 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

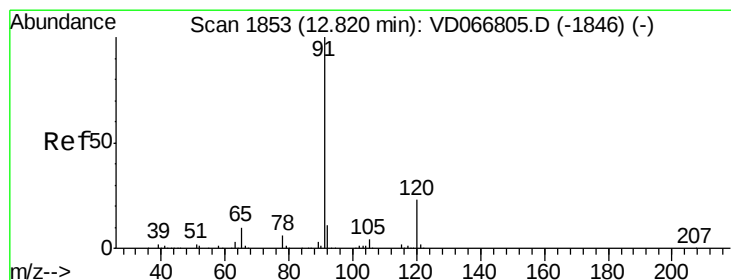
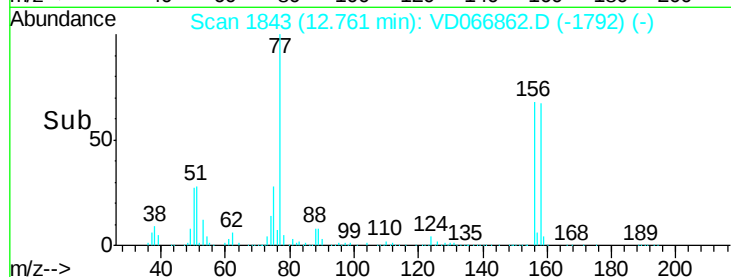
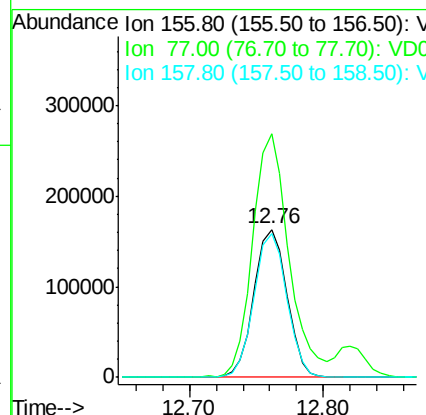
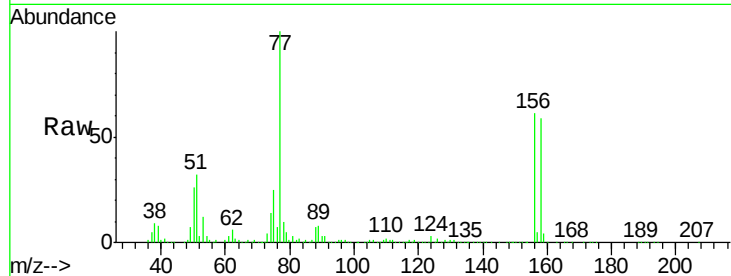
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	180.1	92.3	276.9	
158	96.6	47.6	142.9	

Manual Integrations
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#78

n-propylbenzene

Concen: 52.462 ug/l

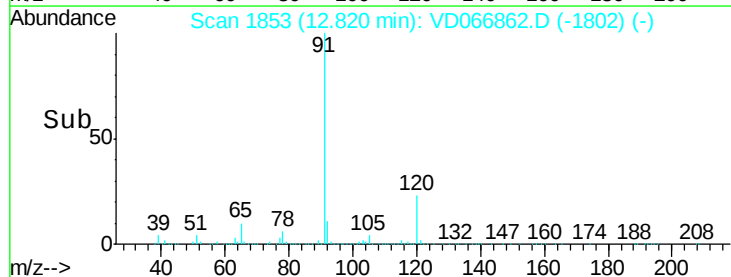
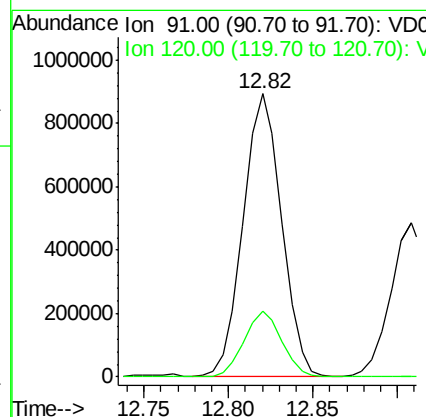
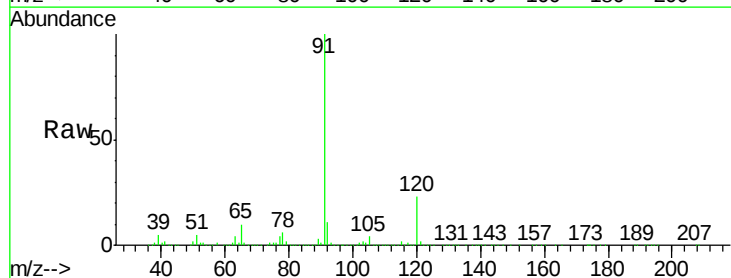
RT: 12.82 min Scan# 1853

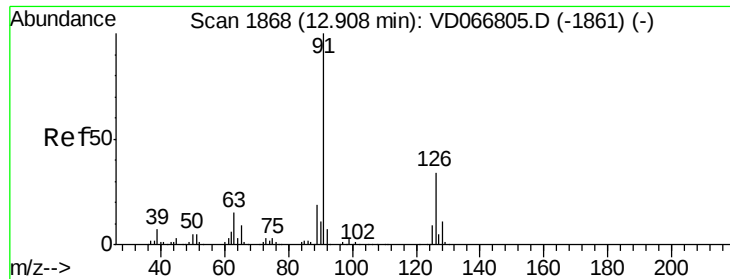
Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.0	11.4	34.2	





#79

2-Chlorotoluene

Concen: 51.695 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 791162

Ion Ratio Lower Upper

91 100

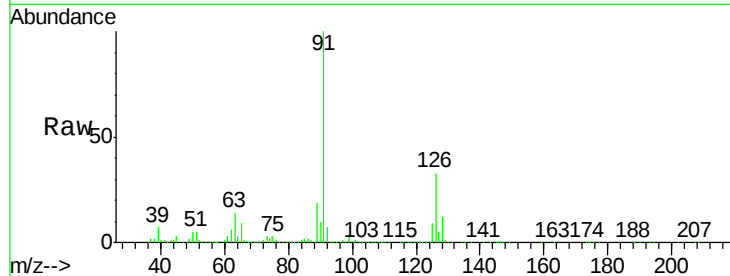
126 34.8 17.0 51.0

Manual Integrations

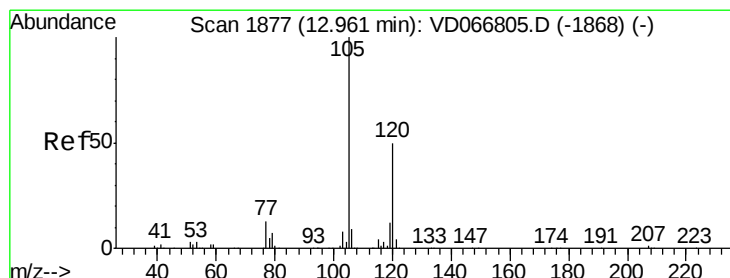
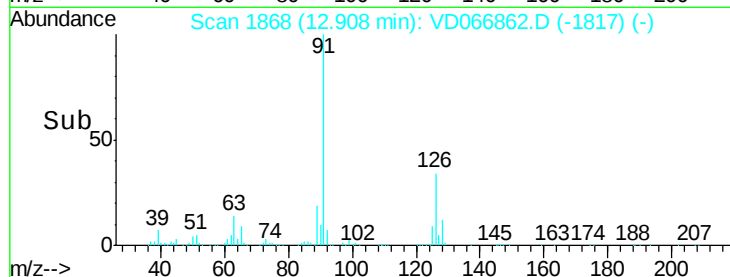
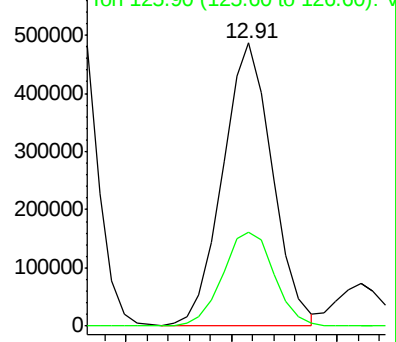
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Abundance Ion 91.00 (90.70 to 91.70): VD066805.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 53.305 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066862.D

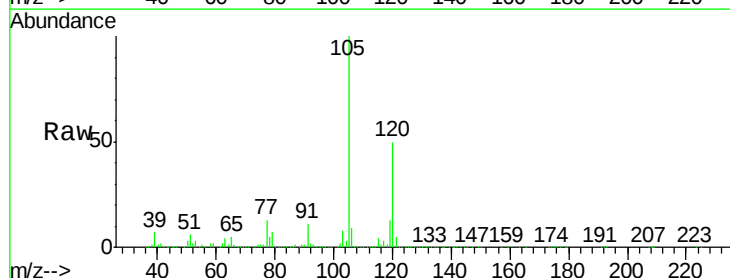
Acq: 24 Sep 2020 20:17

Tgt Ion: 105 Resp: 1009708

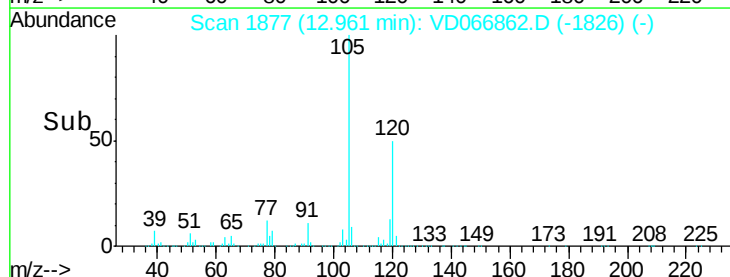
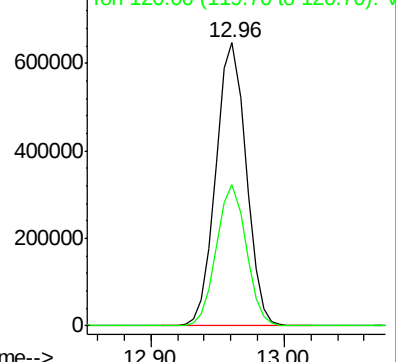
Ion Ratio Lower Upper

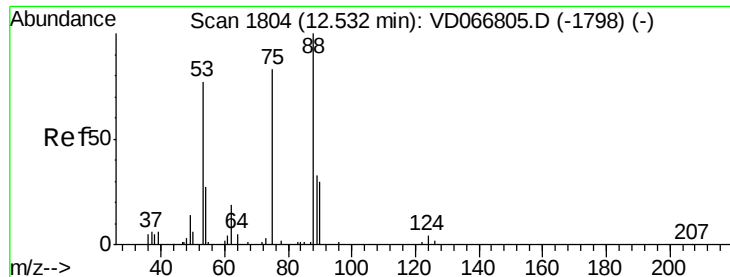
105 100

120 49.0 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VD066805.D (-1868) (-)





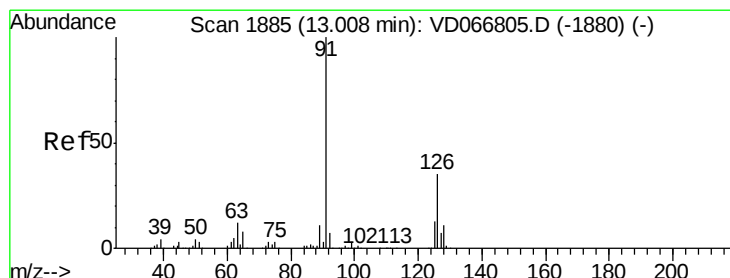
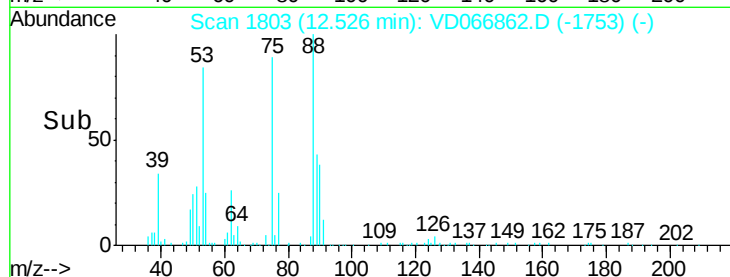
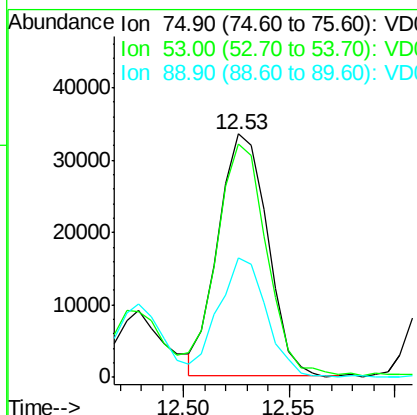
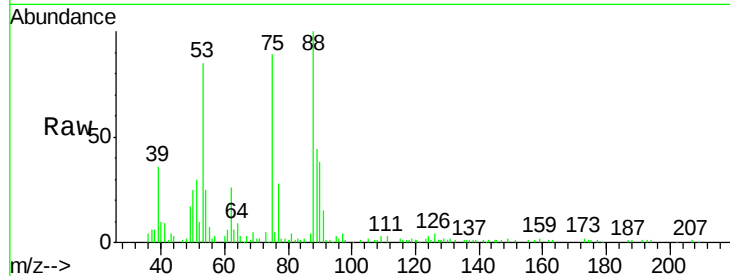
#81
trans-1,4-Dichloro-2-butene
Concen: 52.764 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.2	78.5	117.7
89	48.4	38.1	57.1

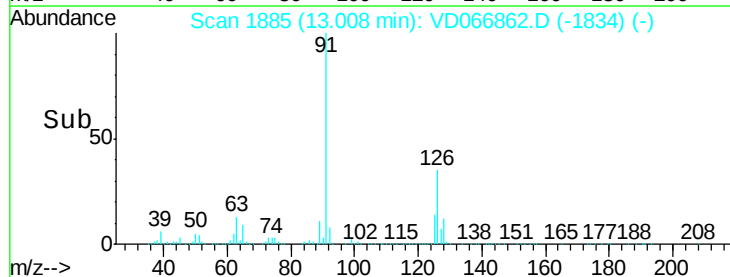
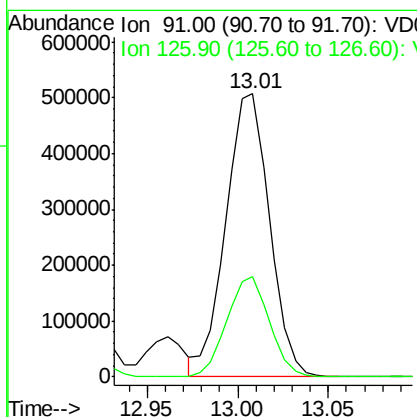
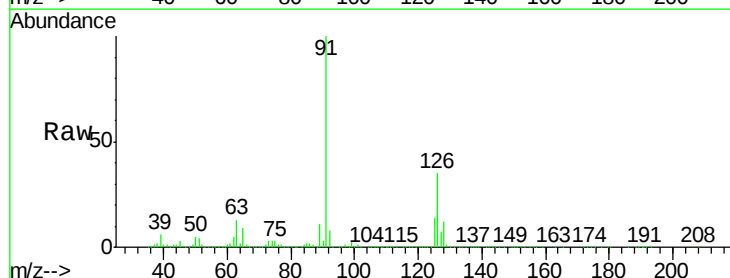
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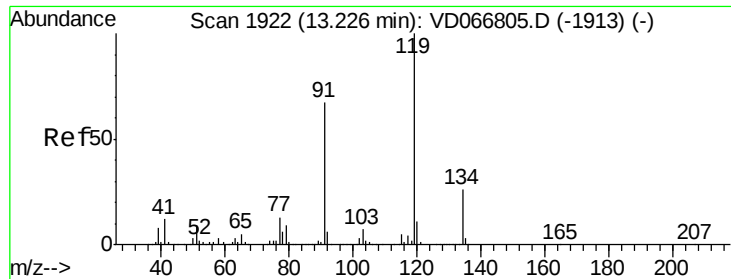
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.356 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.1	51.2





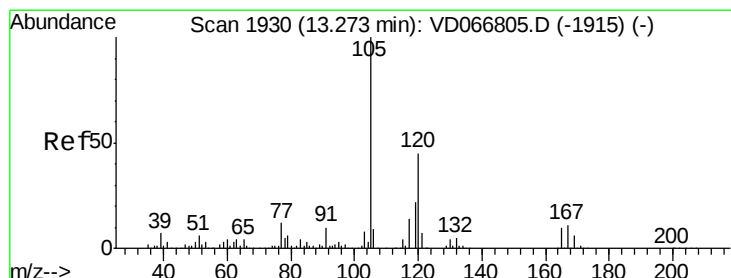
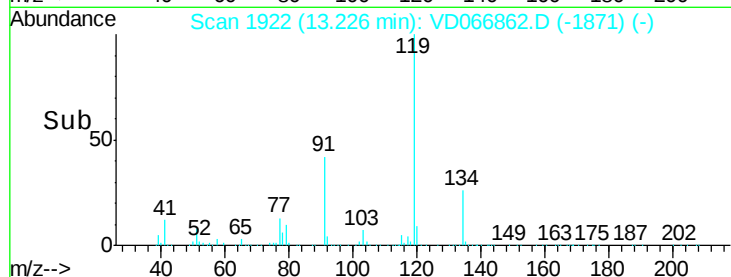
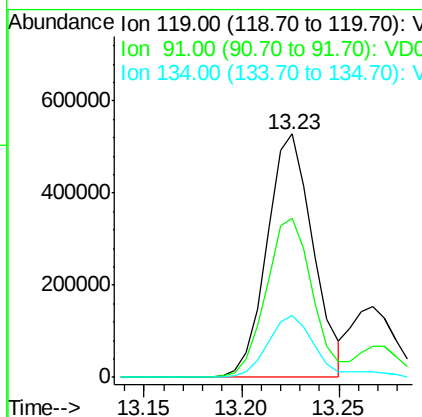
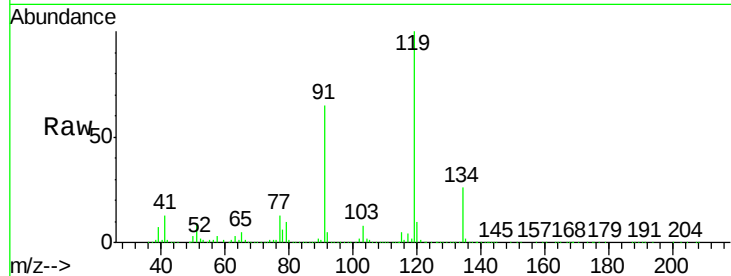
#83
tert-Butylbenzene
Concen: 55.393 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	33.6	100.8
134	26.8	13.5	40.4

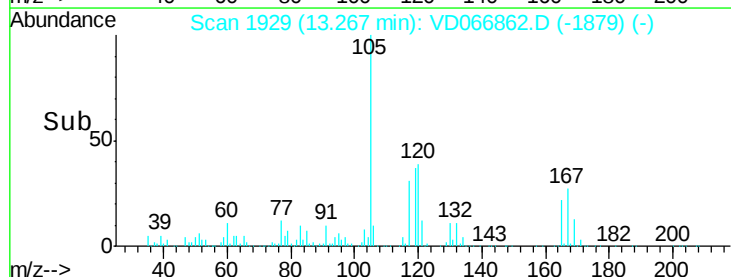
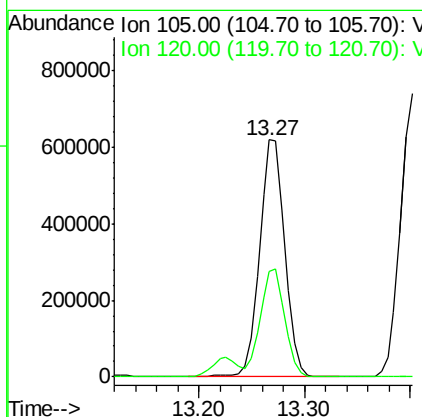
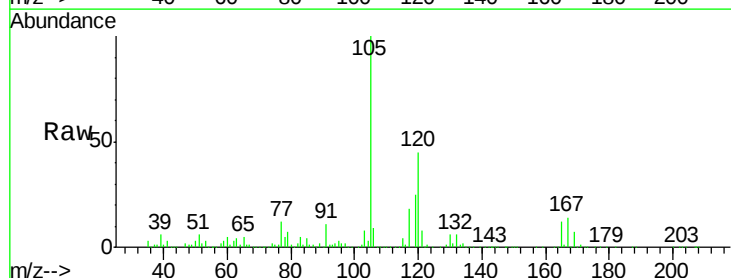
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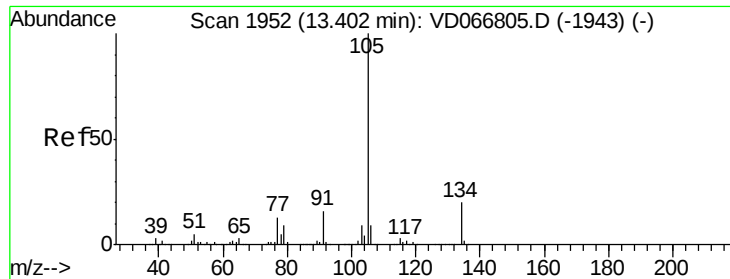
MMDadoda
9/25/2020 4:00:18 PM



#84
1,2,4-Trimethylbenzene
Concen: 54.677 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.01 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.3	66.9





#85

sec-Butylbenzene

Concen: 52.271 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1169988

Ion Ratio Lower Upper

105 100

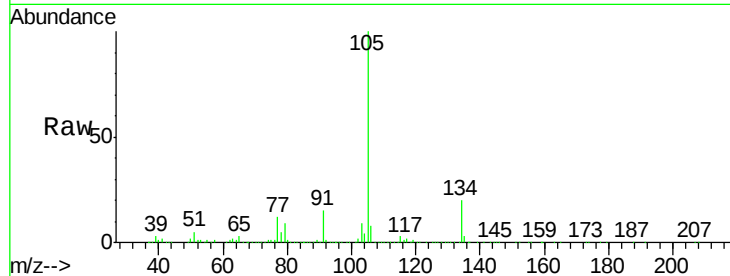
134 20.5 10.2 30.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

600000

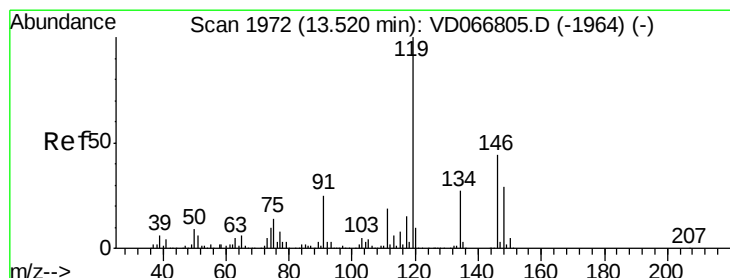
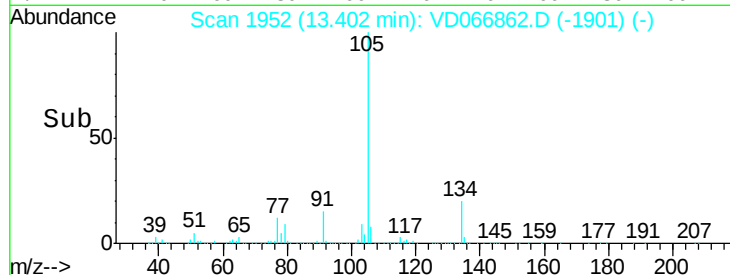
400000

200000

0

13.30 13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 53.432 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

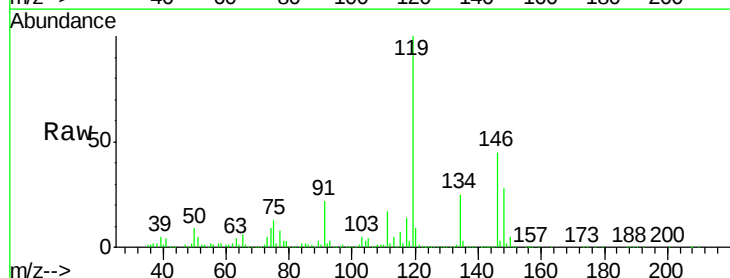
Tgt Ion:119 Resp: 1078027

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 23.5 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

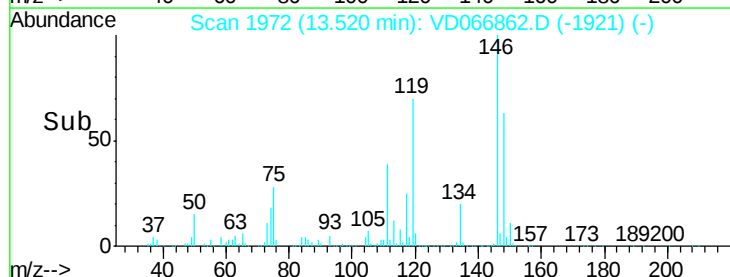
400000

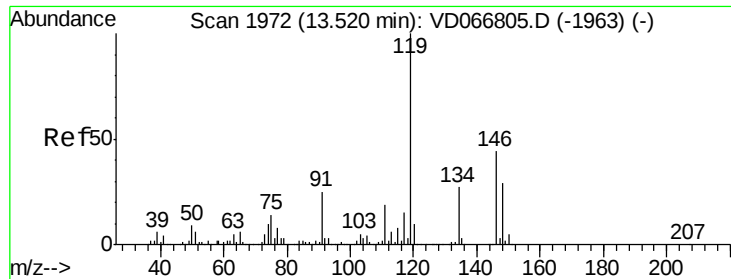
200000

0

13.45 13.50 13.55

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.556 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Instrument :

MSVOA_D

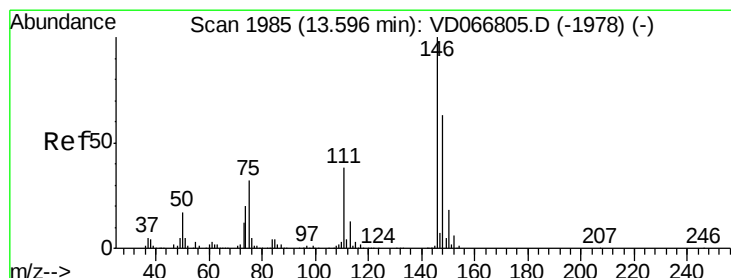
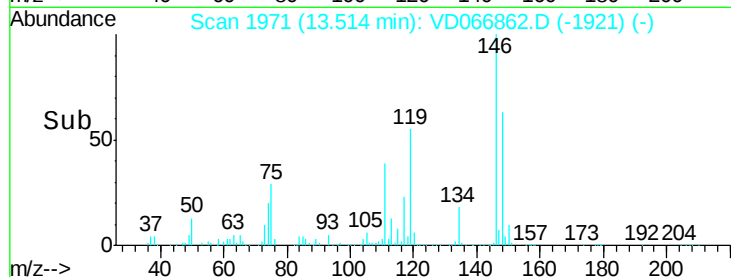
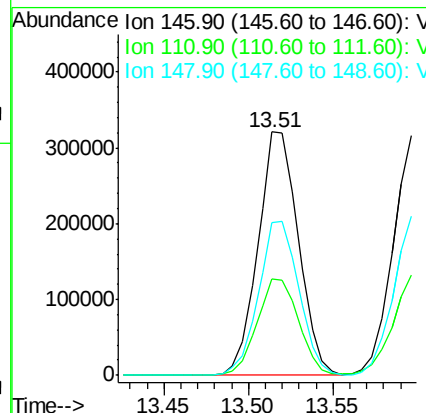
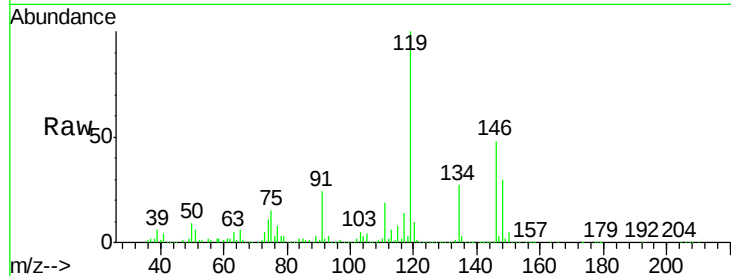
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.9
148	63.5	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.733 ug/l

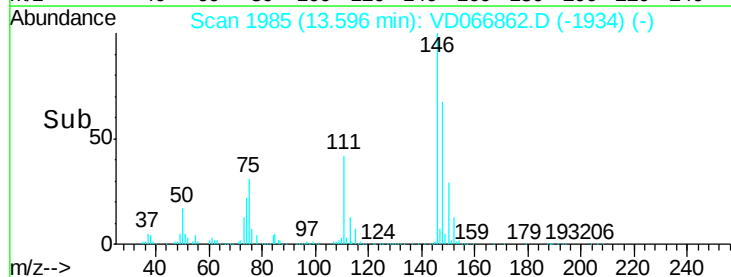
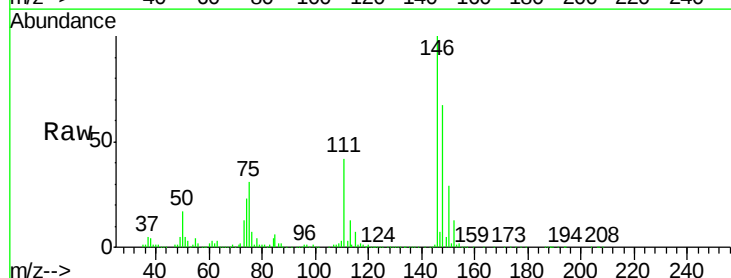
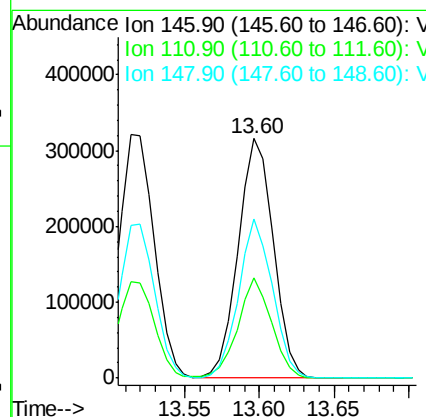
RT: 13.60 min Scan# 1985

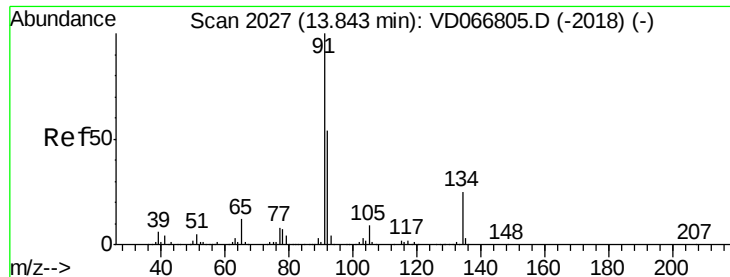
Delta R.T. 0.00 min

Lab File: VD066862.D

Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.2	60.5
148	64.0	31.6	94.7





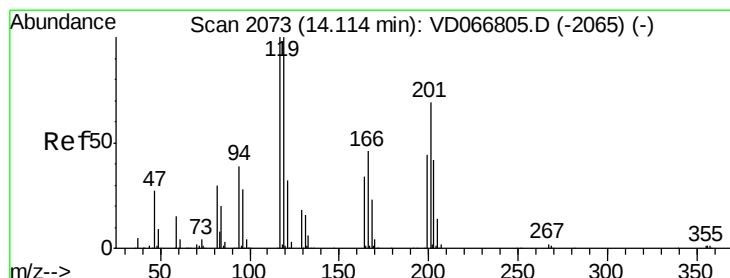
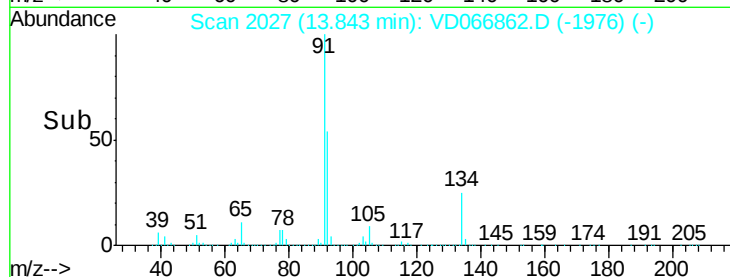
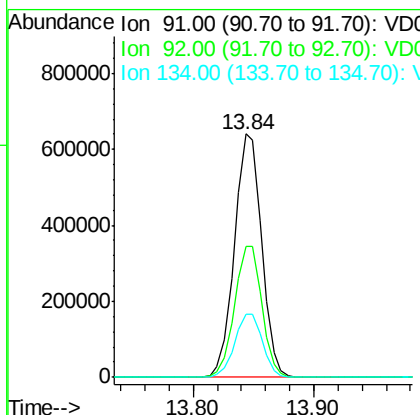
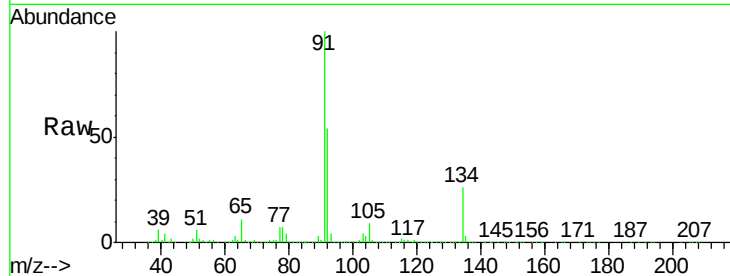
#89
n-Butylbenzene
Concen: 52.312 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1003176
Ion Ratio Lower Upper
91 100
92 54.4 26.7 80.0
134 26.5 13.1 39.1

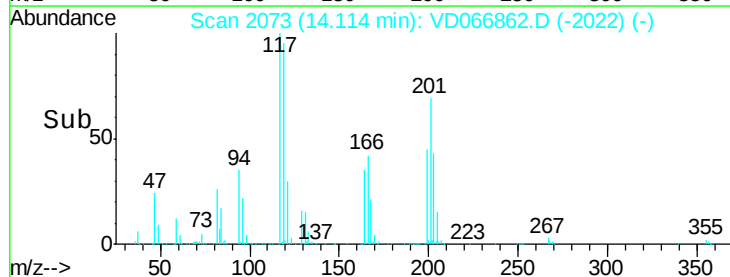
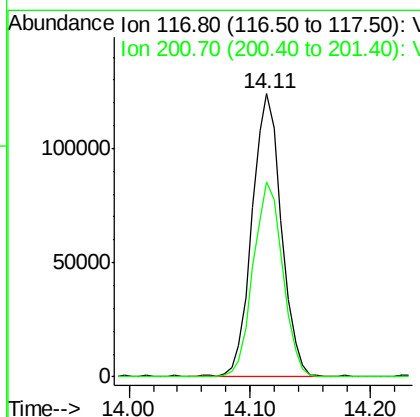
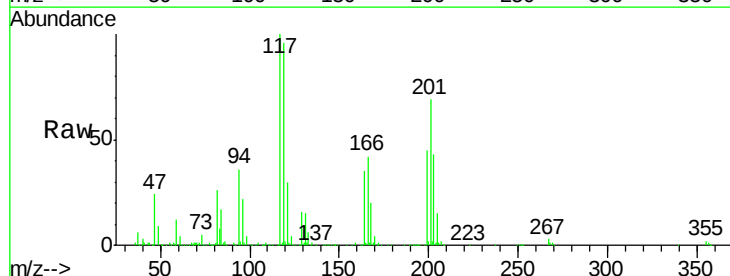
Manual Integrations
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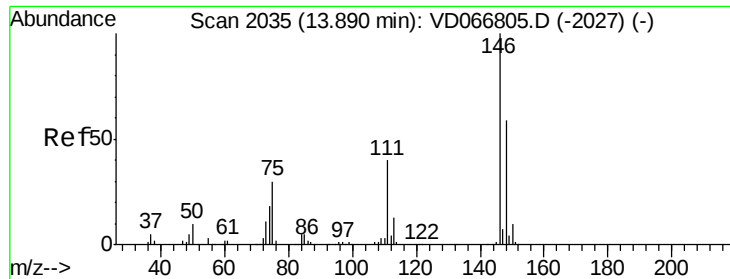
MMDadoda
9/25/2020 4:00:18 PM



#90
Hexachloroethane
Concen: 50.765 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion: 117 Resp: 207937
Ion Ratio Lower Upper
117 100
201 69.5 33.7 101.0





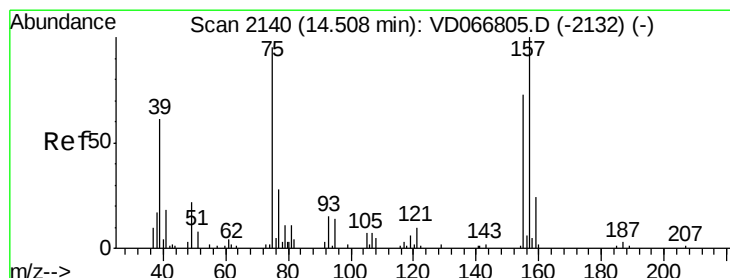
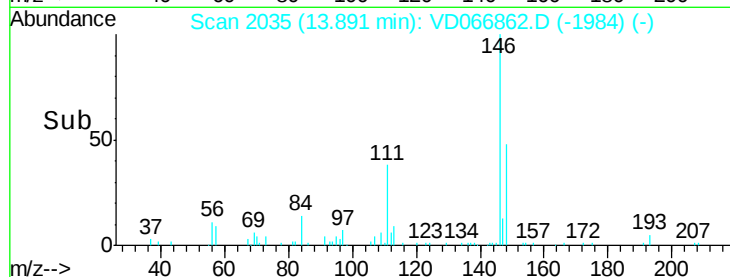
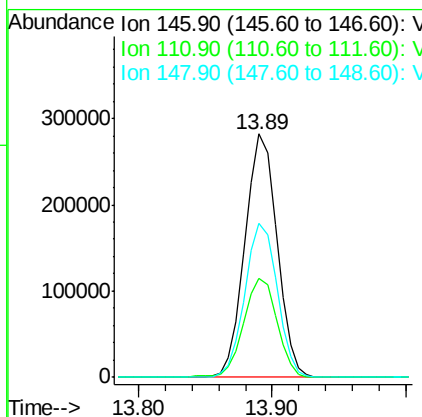
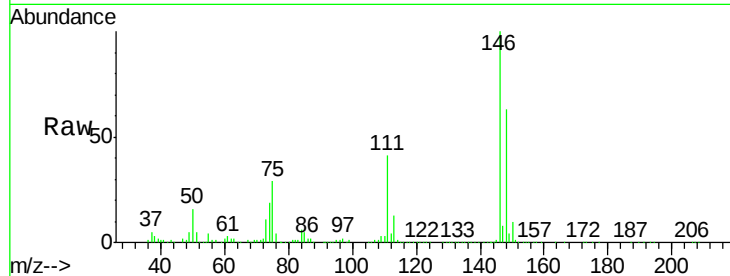
#91
 1,2-Dichlorobenzene
 Concen: 53.127 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.7
148	63.9	31.8	95.3

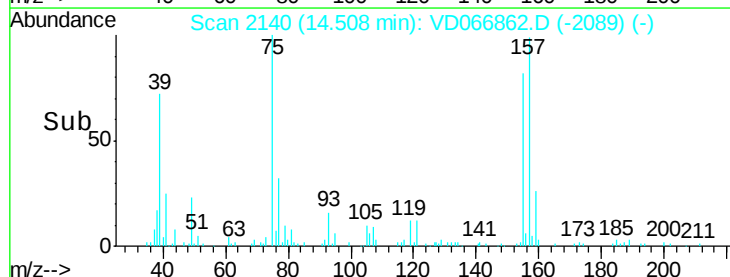
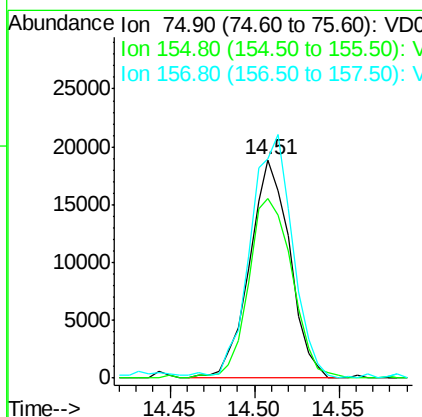
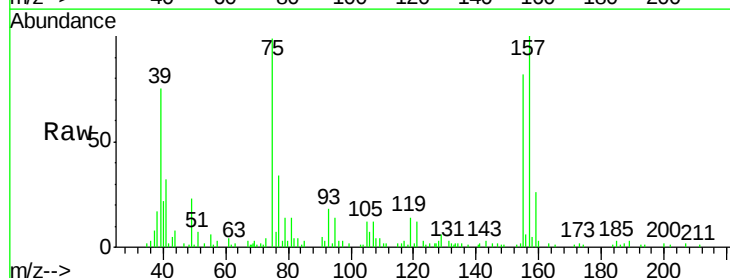
Manual Integrations
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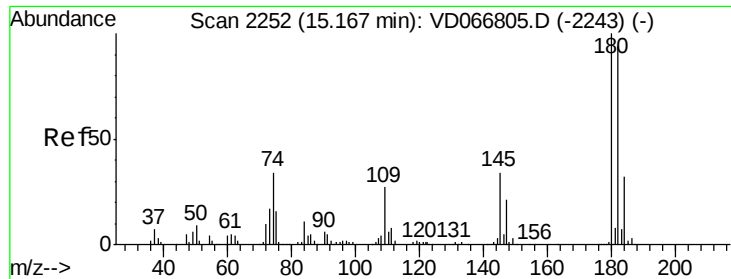
MMDadoda
 9/25/2020 4:00:18 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.299 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.5	40.4	121.2
157	117.0	51.3	153.9





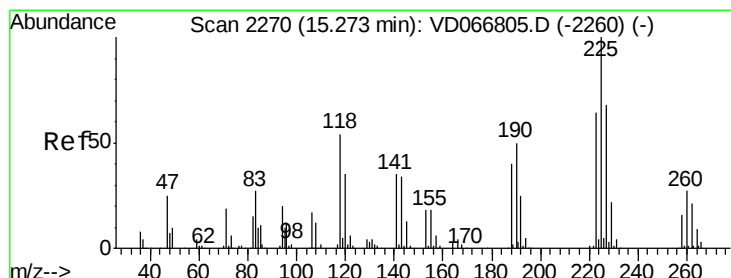
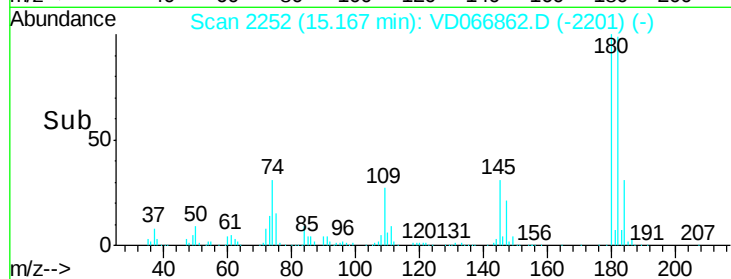
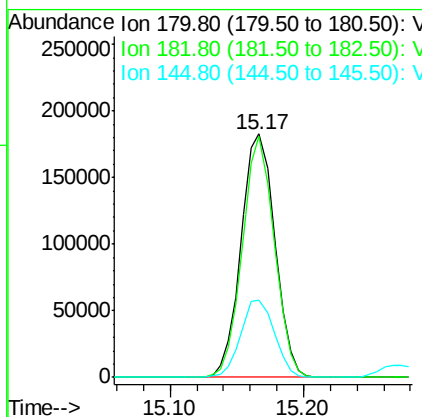
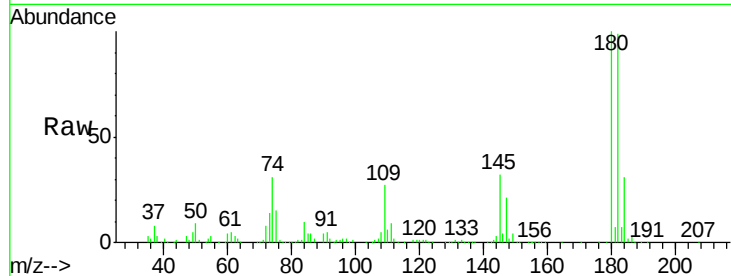
#93
 1,2,4-Trichlorobenzene
 Concen: 57.563 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	319786		
182	93.4	48.8	146.3	
145	32.0	16.7	50.0	

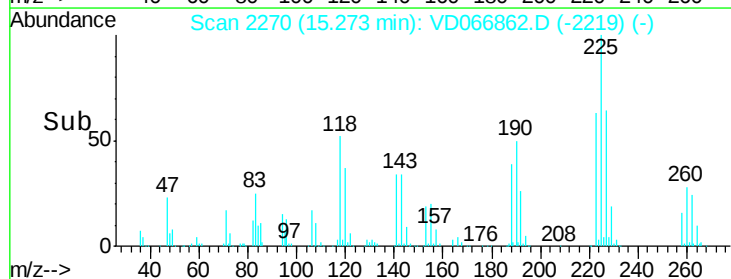
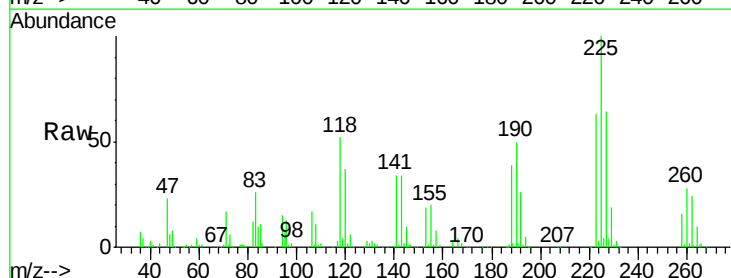
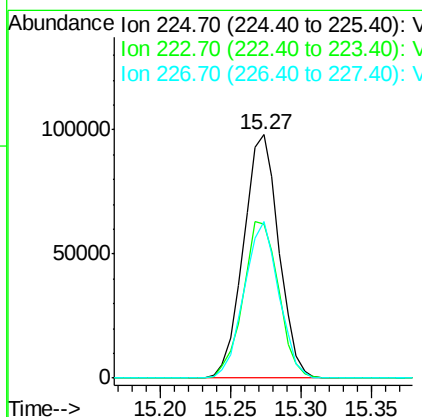
Manual Integrations
 APPROVED

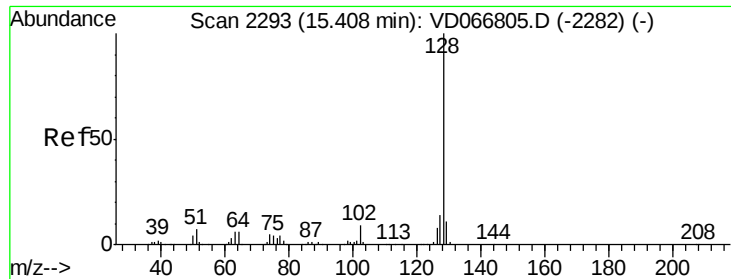
MMDadoda
 9/25/2020 4:00:18 PM



#94
 Hexachlorobutadiene
 Concen: 51.612 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066862.D
 Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	171817		
223	64.5	31.1	93.3	
227	63.2	31.7	95.1	





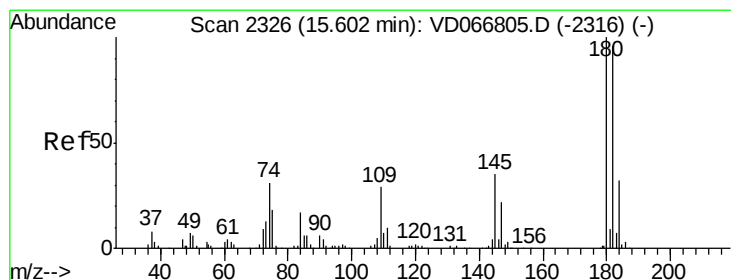
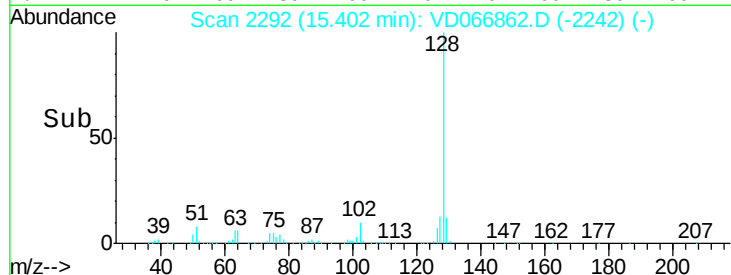
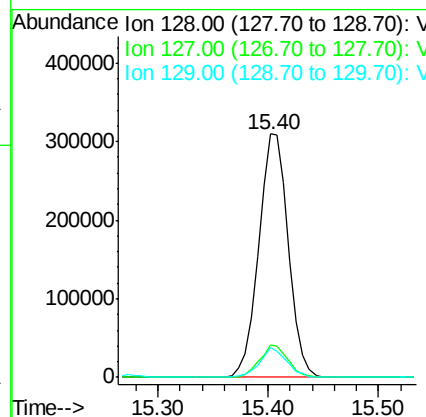
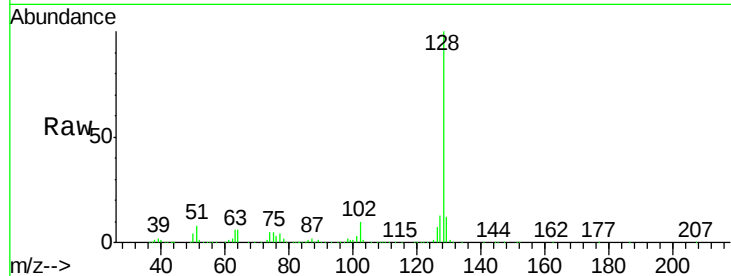
#95
Naphthalene
Concen: 61.592 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	580917		
127	12.9		10.6	16.0
129	11.2		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
9/25/2020 4:00:18 PM



#96
1,2,3-Trichlorobenzene
Concen: 56.477 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066862.D
Acq: 24 Sep 2020 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	270802		
182	95.1		46.8	140.3
145	33.3		17.0	51.0

