

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD060820\
 Data File : VD065785.D
 Acq On : 08 Jun 2020 17:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 6/9/2020 2:50:45 PM

Quant Time: Jun 09 07:27:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 13:07:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	201594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	320654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	306339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	157784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	107626	54.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.06%	
35) Dibromofluoromethane	7.92	113	104166	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.34	98	404402	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
62) 4-Bromofluorobenzene	12.64	95	139493	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	64625	47.464	ug/l	97
3) Chloromethane	2.21	50	128576	57.837	ug/l	99
4) Vinyl Chloride	2.35	62	147718	49.666	ug/l	100
5) Bromomethane	2.77	94	104464	50.223	ug/l	97
6) Chloroethane	2.92	64	104217	51.822	ug/l	97
7) Trichlorofluoromethane	3.28	101	168102	49.885	ug/l	91
8) Diethyl Ether	3.71	74	45919	51.830	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	97549	48.547	ug/l	98
10) Methyl Iodide	4.30	142	98587	50.385	ug/l	99
11) Tert butyl alcohol	5.22	59	32940	302.481	ug/l	98
12) 1,1-Dichloroethene	4.07	96	91734	50.090	ug/l	99
13) Acrolein	3.92	56	24996	223.401	ug/l	89
14) Allyl chloride	4.72	41	157526	52.042	ug/l	98
15) Acrylonitrile	5.42	53	111186	276.315	ug/l	99
16) Acetone	4.16	43	107562	286.253	ug/l	95
17) Carbon Disulfide	4.41	76	301982	49.129	ug/l	99
18) Methyl Acetate	4.72	43	47992	57.144	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	228376	55.054	ug/l	94
20) Methylene Chloride	4.96	84	110858	56.095	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	110332	51.443	ug/l	93
22) Diisopropyl ether	6.36	45	341275	55.801	ug/l	98
23) Vinyl Acetate	6.31	43	1005961	291.279	ug/l	99
24) 1,1-Dichloroethane	6.27	63	194824	52.282	ug/l	99
25) 2-Butanone	7.21	43	147277	283.801	ug/l #	90
26) 2,2-Dichloropropane	7.21	77	171021	51.759	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	123764	53.645	ug/l	98
28) Bromochloromethane	7.55	49	79296	55.096	ug/l	98
29) Tetrahydrofuran	7.56	42	92695	282.621	ug/l	97
30) Chloroform	7.71	83	207325	53.676	ug/l	98
31) Cyclohexane	7.98	56	177947	49.811	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	185309	52.176	ug/l	98
36) 1,1-Dichloropropene	8.11	75	161182	52.474	ug/l	99
37) Ethyl Acetate	7.30	43	66415	54.894	ug/l	97
38) Carbon Tetrachloride	8.10	117	169033	52.290	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	190589	52.407	ug/l	99
40) Benzene	8.36	78	443418	52.805	ug/l	99
41) Methacrylonitrile	7.53	41	37652	52.264	ug/l	89
42) 1,2-Dichloroethane	8.43	62	133938	52.863	ug/l	100
43) Isopropyl Acetate	8.46	43	133211	55.369	ug/l	99
44) Trichloroethene	9.11	130	120729	51.663	ug/l	97
45) 1,2-Dichloropropane	9.39	63	111150	52.679	ug/l	97
46) Dibromomethane	9.48	93	60943	53.256	ug/l	98
47) Bromodichloromethane	9.67	83	162398	52.959	ug/l	99
48) Methyl methacrylate	9.46	41	61752	53.026	ug/l	95
49) 1,4-Dioxane	9.46	88	13689	1123.887	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	331687	281.353	ug/l	98
52) Toluene	10.41	92	296119	54.272	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	152754	55.011	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	180979	55.185	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	83092	54.344	ug/l	99
56) Ethyl methacrylate	10.66	69	103255	57.414	ug/l	99
57) 1,3-Dichloropropane	10.95	76	141989	53.601	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	239431	286.359	ug/l	98
59) 2-Hexanone	10.99	43	229422	288.652	ug/l	98
60) Dibromochloromethane	11.14	129	111709	54.082	ug/l	98
61) 1,2-Dibromoethane	11.25	107	82280	54.757	ug/l	98
64) Tetrachloroethene	10.88	164	105469	50.915	ug/l	96
65) Chlorobenzene	11.67	112	305692	51.115	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	117765	52.827	ug/l	100
67) Ethyl Benzene	11.75	91	563790	52.771	ug/l	97
68) m/p-Xylenes	11.85	106	441956	107.397	ug/l	98
69) o-Xylene	12.18	106	197026	53.101	ug/l	98
70) Styrene	12.20	104	350848	54.622	ug/l	99
71) Bromoform	12.37	173	65731	53.545	ug/l	# 98
73) Isopropylbenzene	12.48	105	547033	51.710	ug/l	99
74) N-amyl acetate	12.30	43	127085	53.997	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	92175	51.592	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	56509m	46.051	ug/l	
77) Bromobenzene	12.77	156	131737	52.632	ug/l	97
78) n-propylbenzene	12.83	91	665842	52.289	ug/l	99
79) 2-Chlorotoluene	12.91	91	362225	51.853	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	460134	52.268	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31266	55.051	ug/l	92
82) 4-Chlorotoluene	13.01	91	396067	52.822	ug/l	98
83) tert-Butylbenzene	13.23	119	399627	52.317	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	466974	52.996	ug/l	100
85) sec-Butylbenzene	13.41	105	565293	53.177	ug/l	98
86) p-Isopropyltoluene	13.52	119	518420	53.207	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	255272	51.725	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	252419	51.417	ug/l	98
89) n-Butylbenzene	13.85	91	489396	52.665	ug/l	99
90) Hexachloroethane	14.12	117	100384	51.472	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	223585	52.642	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14687	49.396	ug/l	98

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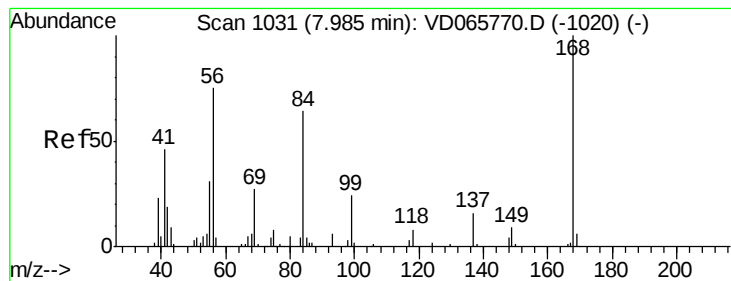
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	152661	52.863	ug/l	99
94) Hexachlorobutadiene	15.27	225	85996	49.260	ug/l	99
95) Naphthalene	15.41	128	266819	54.545	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	131953	53.052	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 201594

Ion Ratio Lower Upper

168 100

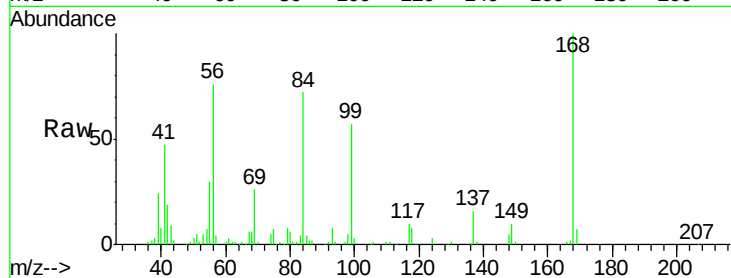
99 56.5 45.3 67.9

Manual Integrations

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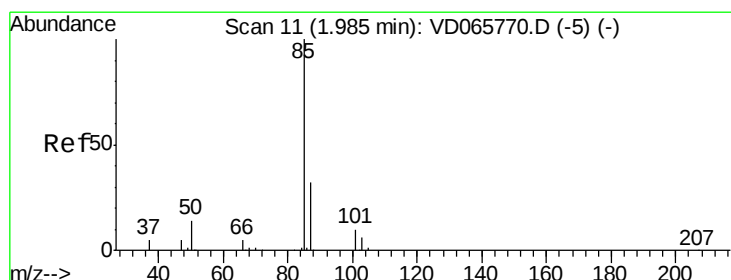
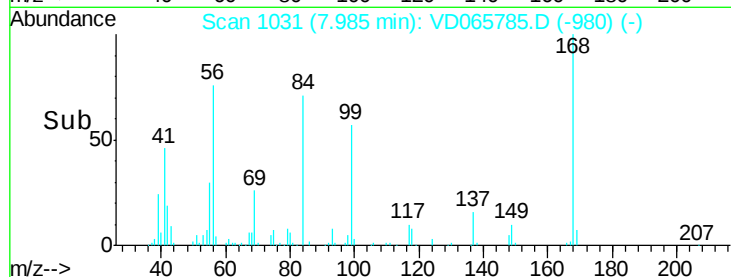
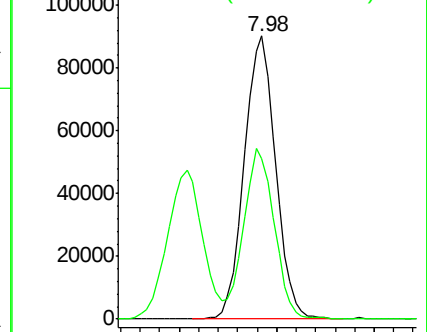
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.464 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065785.D

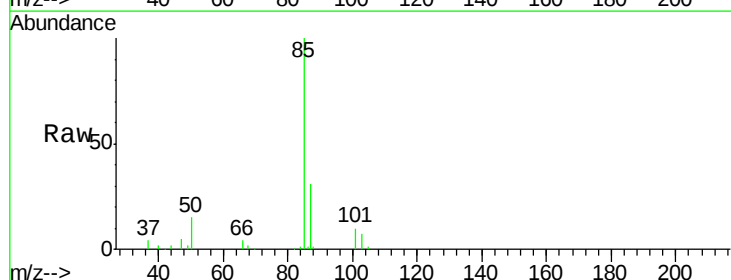
Acq: 08 Jun 2020 17:20

Tgt Ion: 85 Resp: 64625

Ion Ratio Lower Upper

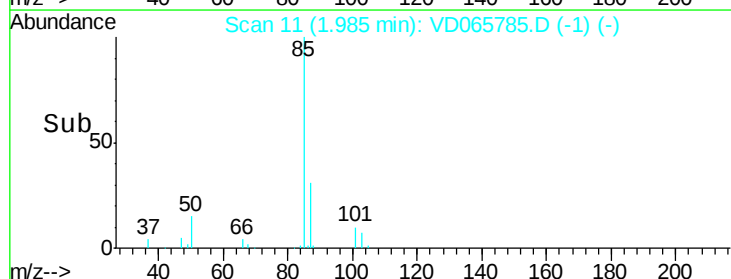
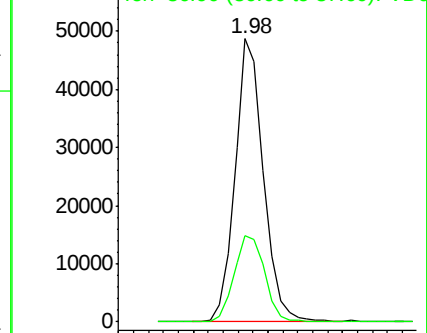
85 100

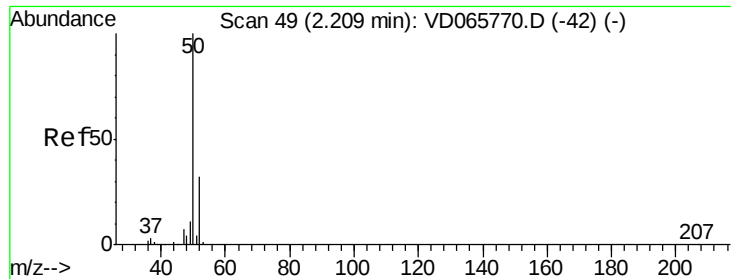
87 30.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 57.837 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 128576

Ion Ratio Lower Upper

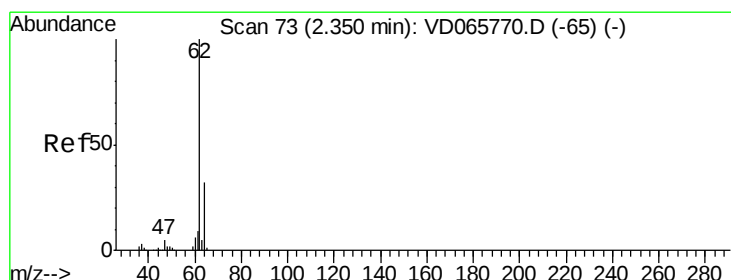
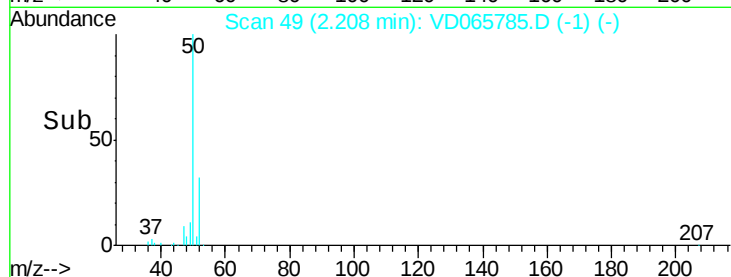
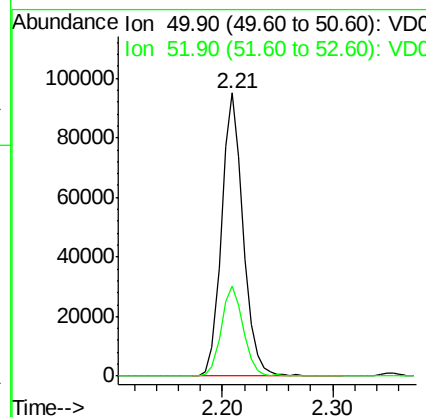
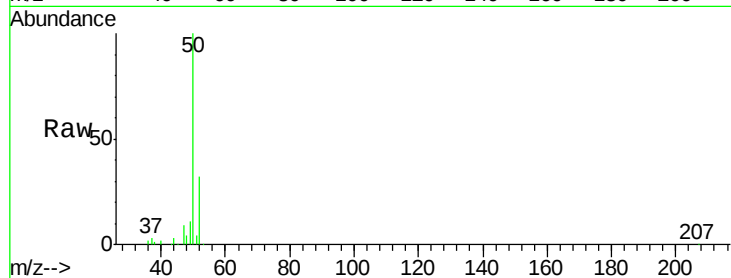
50 100

52 31.7 25.6 38.4

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#4

Vinyl Chloride

Concen: 49.666 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065785.D

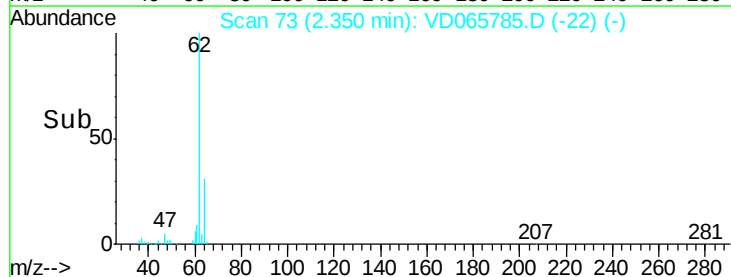
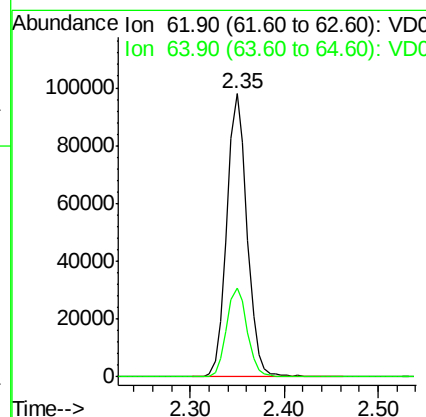
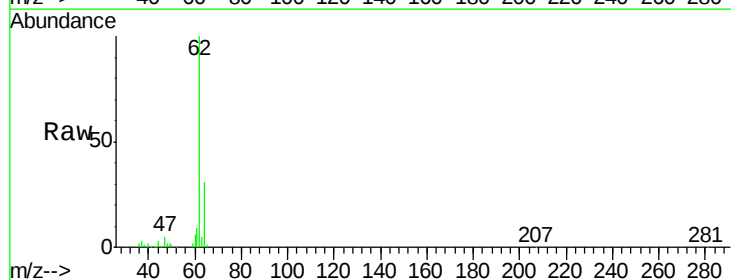
Acq: 08 Jun 2020 17:20

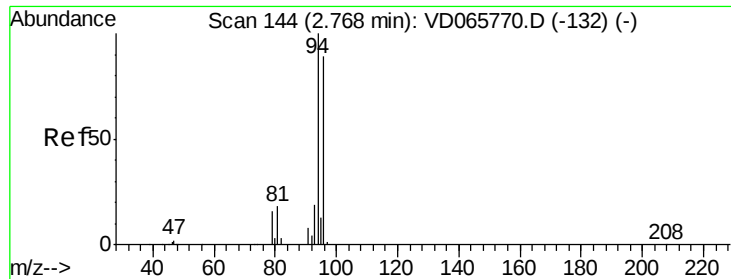
Tgt Ion: 62 Resp: 147718

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 50.223 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 104464

Ion Ratio Lower Upper

94 100

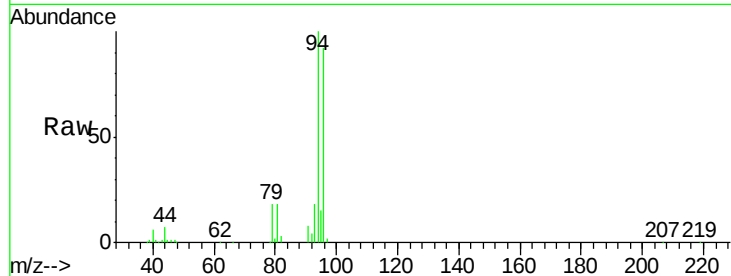
96 91.8 71.4 107.0

Manual Integrations

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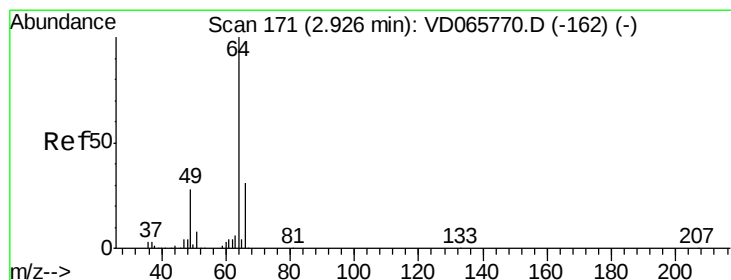
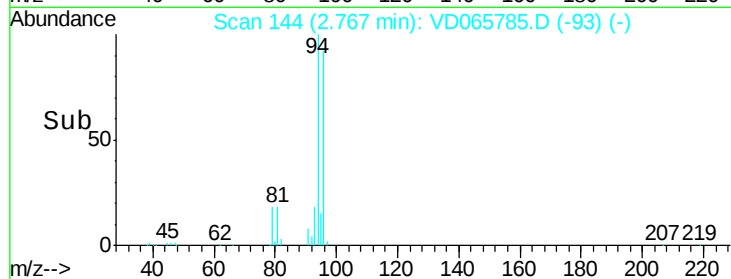
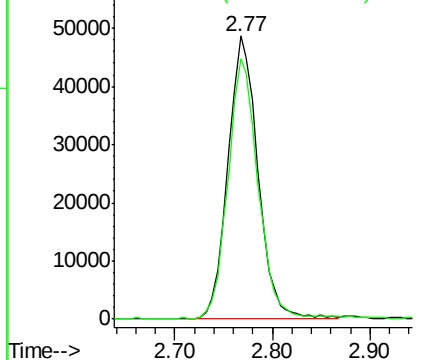
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.822 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065785.D

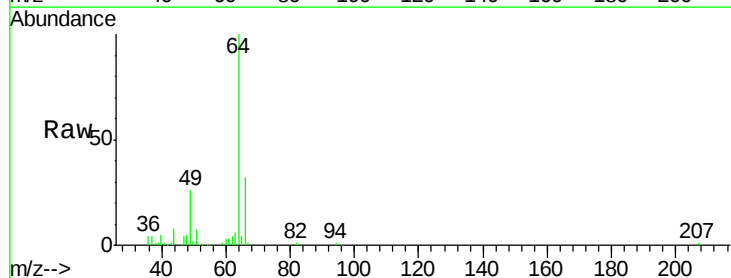
Acq: 08 Jun 2020 17:20

Tgt Ion: 64 Resp: 104217

Ion Ratio Lower Upper

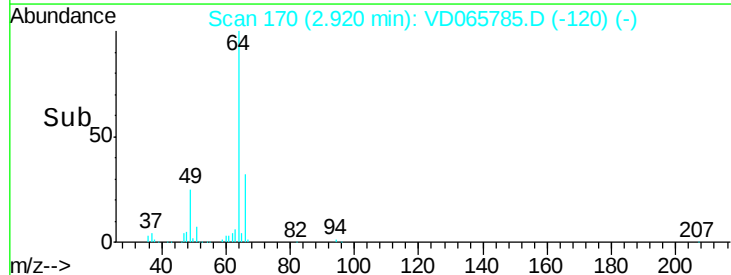
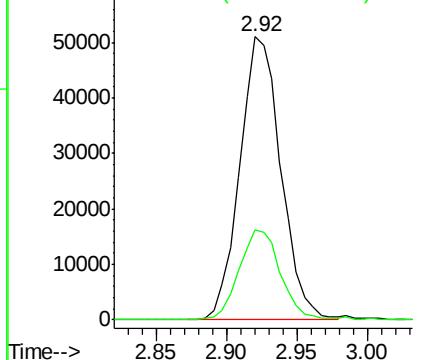
64 100

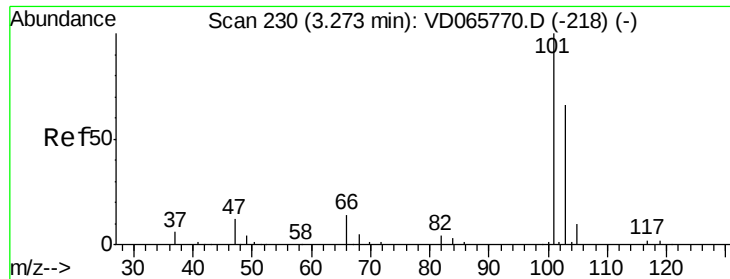
66 32.0 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

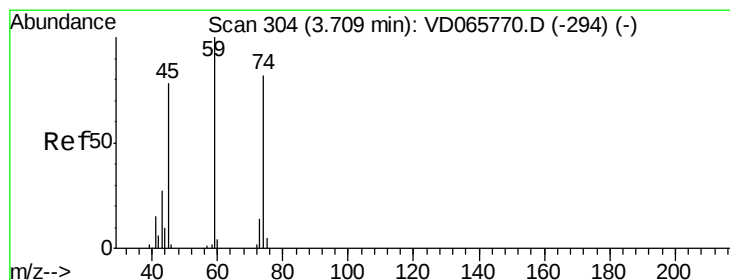
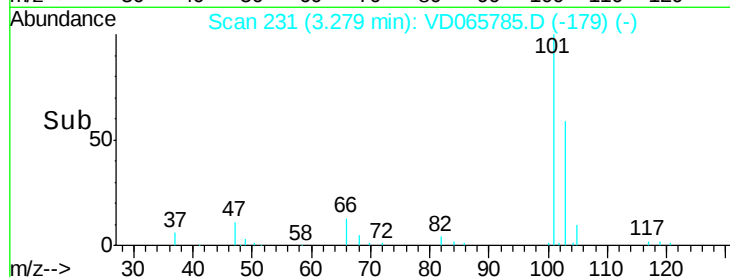
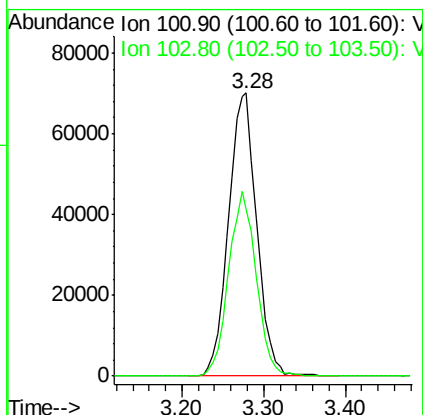
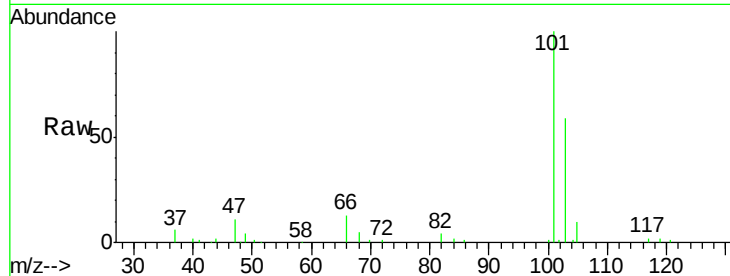
Trichlorofluoromethane
Concen: 49.885 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		168102		
103	58.9	53.1	79.7		

Manual Integrations
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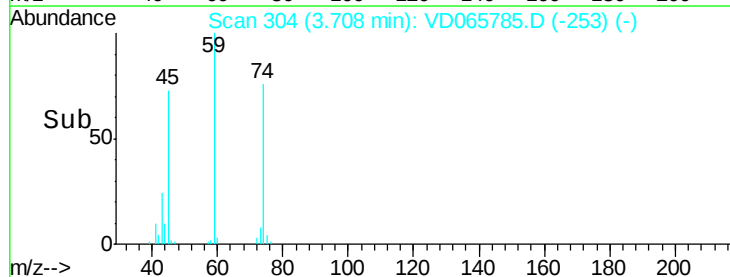
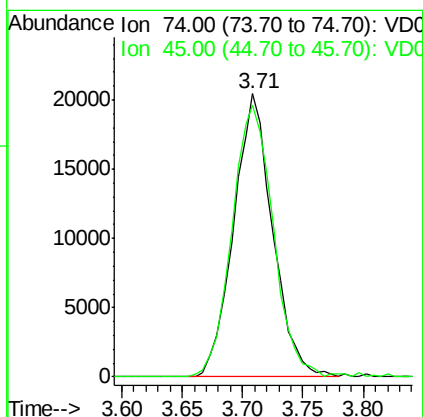
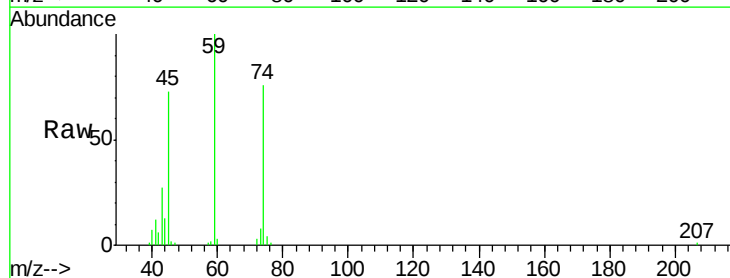
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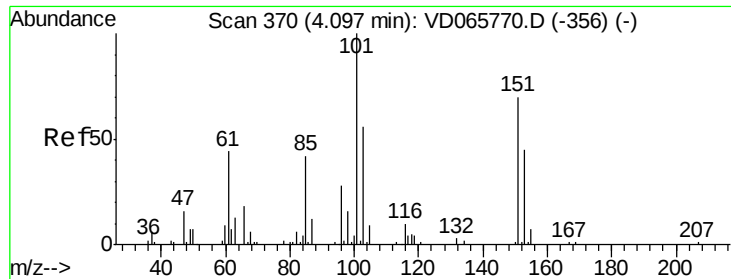


#8

Diethyl Ether
Concen: 51.830 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		45919		
45	101.6	47.9	143.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.547 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

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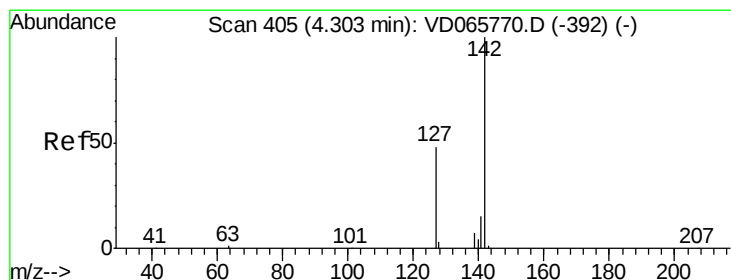
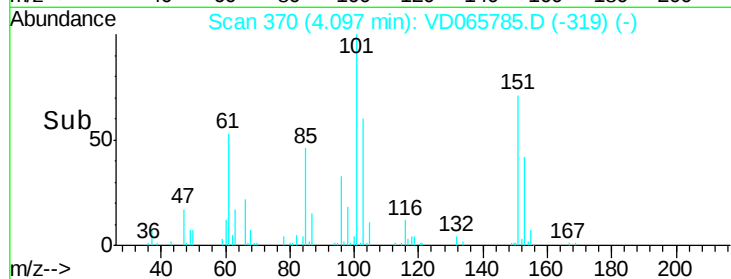
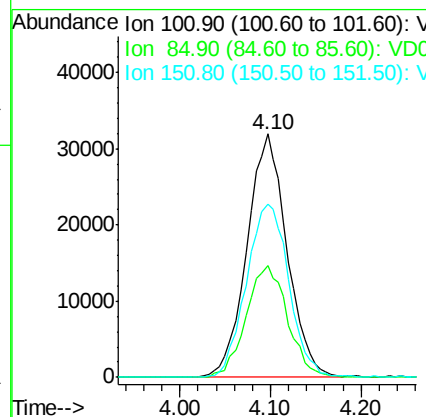
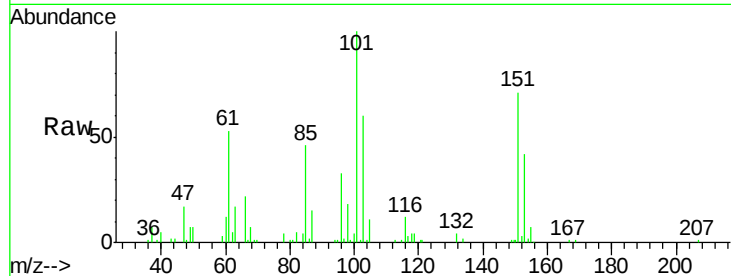
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	97549
Ion Ratio	Lower	Upper	
101	100		
85	47.5	36.5	54.7
151	75.8	61.8	92.6

Manual Integrations
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#10

Methyl Iodide

Concen: 50.385 ug/l

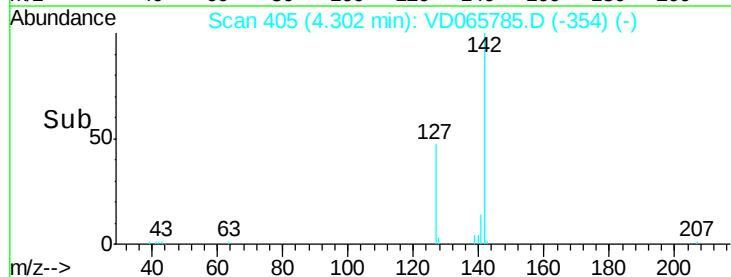
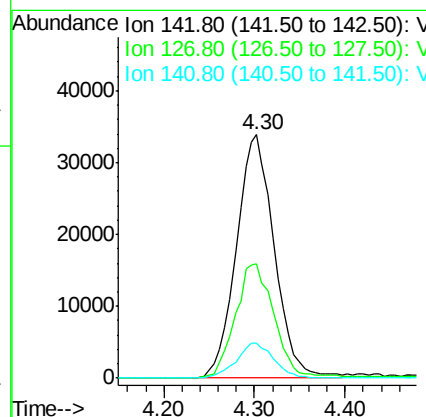
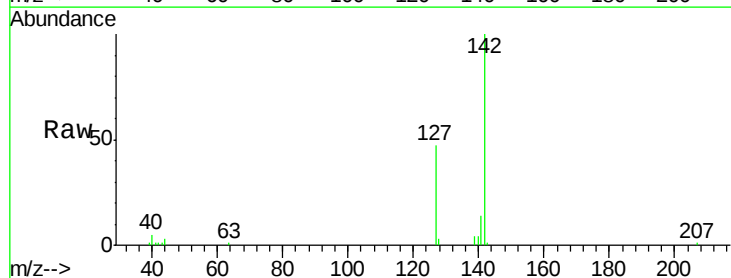
RT: 4.30 min Scan# 405

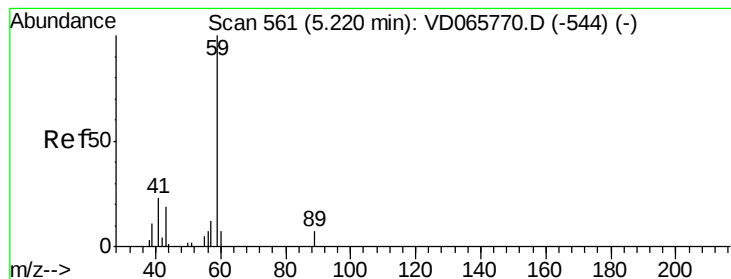
Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Tgt Ion:	142	Resp:	98587
Ion Ratio	Lower	Upper	
142	100		
127	47.3	37.6	56.4
141	14.1	12.1	18.1





#11

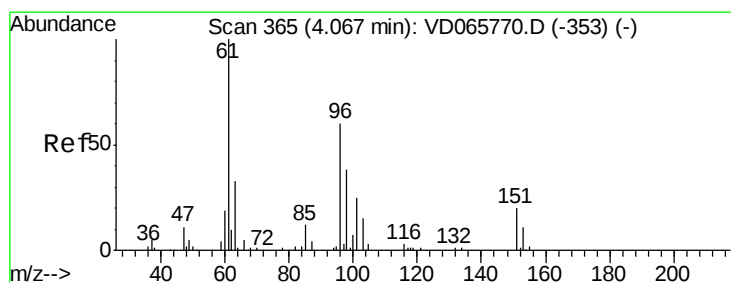
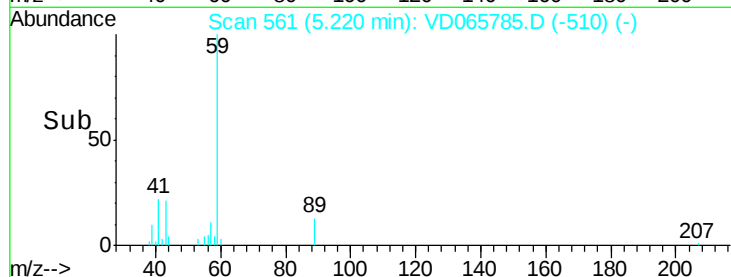
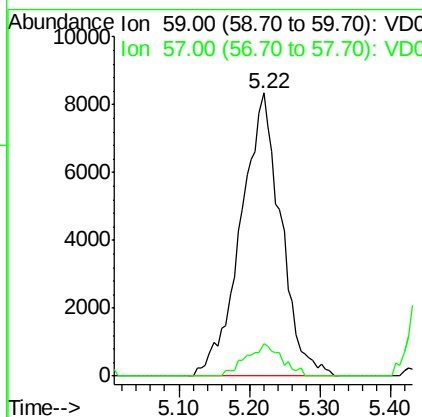
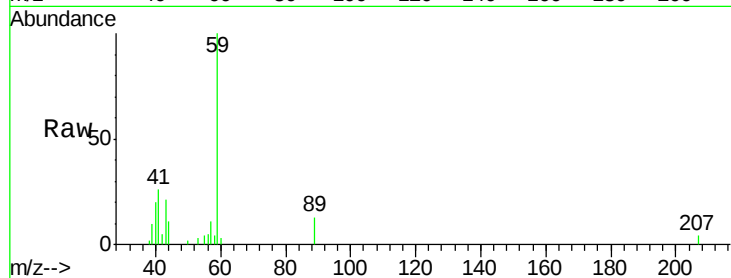
Tert butyl alcohol
 Concen: 302.481 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD065785.D
 Acq: 08 Jun 2020 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		32940		
57	10.1		7.5	11.3	

Manual Integrations
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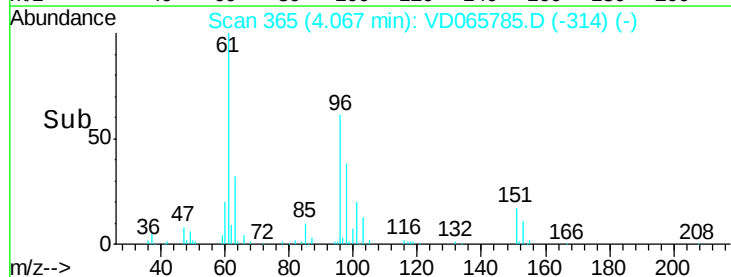
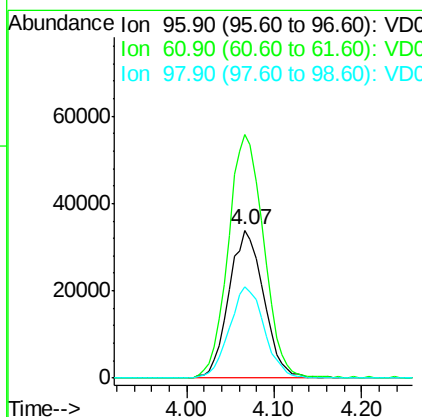
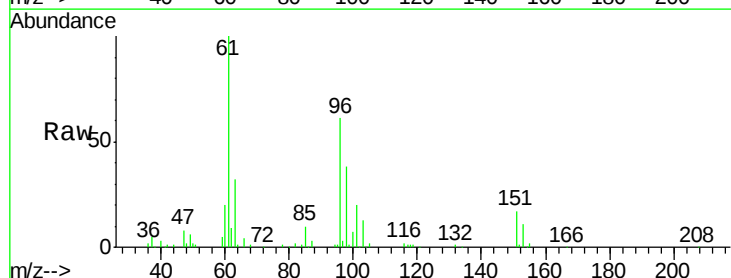
MMDadoda
 6/9/2020 2:50:45 PM

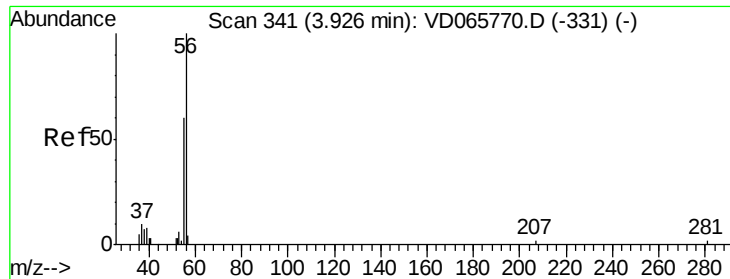


#12

1,1-Dichloroethene
 Concen: 50.090 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.00 min
 Lab File: VD065785.D
 Acq: 08 Jun 2020 17:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	100		91734		
61	164.9		132.3	198.5	
98	62.3		50.7	76.1	





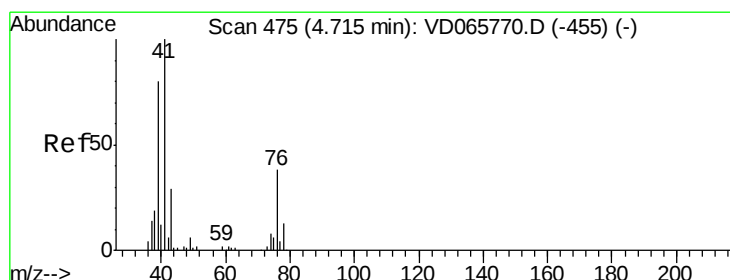
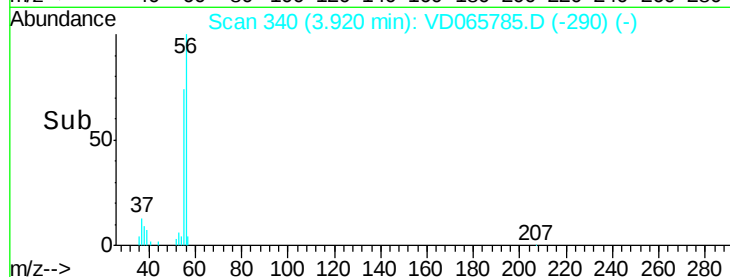
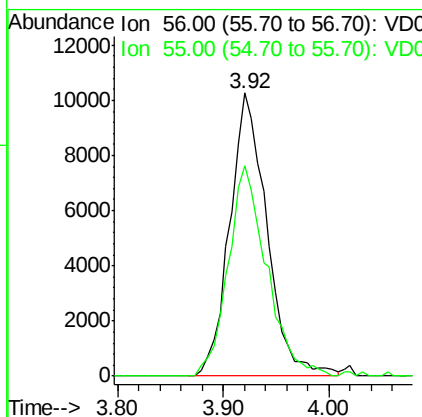
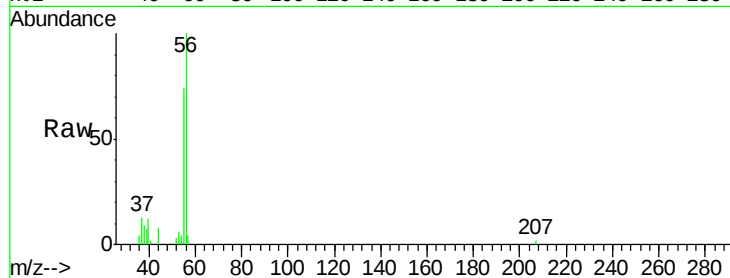
#13
Acrolein
Concen: 223.401 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	24996
Ion Ratio	Lower	Upper	
56	100		
55	77.2	54.8	82.2

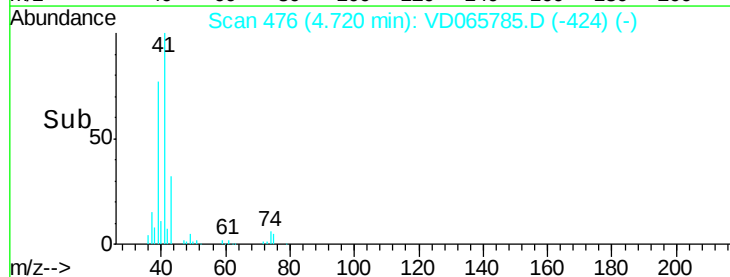
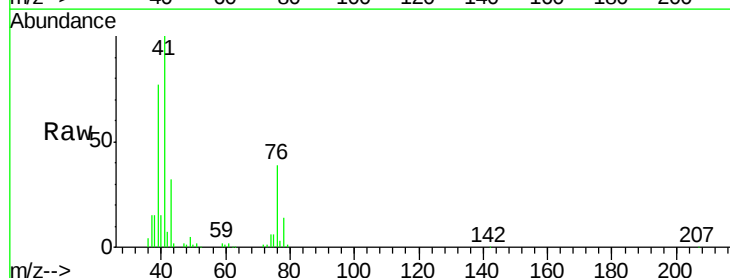
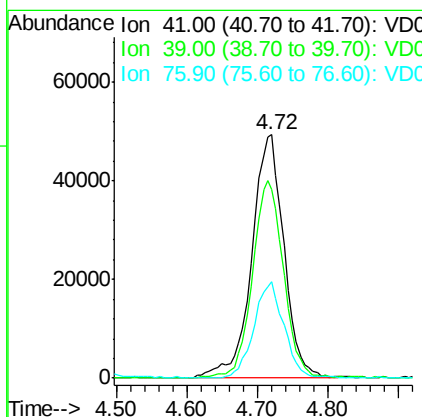
Manual Integrations
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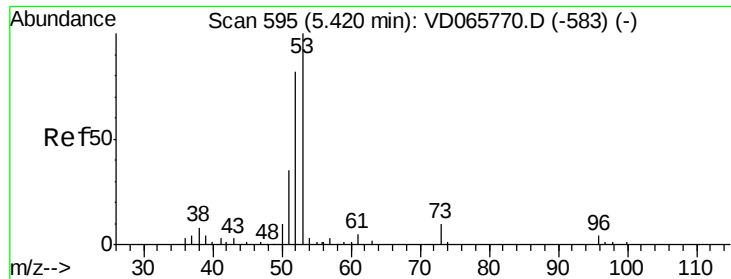
MMDadoda
6/9/2020 2:50:45 PM



#14
Allyl chloride
Concen: 52.042 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	41	Resp	157526
Ion Ratio	Lower	Upper	
41	100		
39	78.1	60.9	91.3
76	36.8	28.9	43.3





#15

Acrylonitrile

Concen: 276.315 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

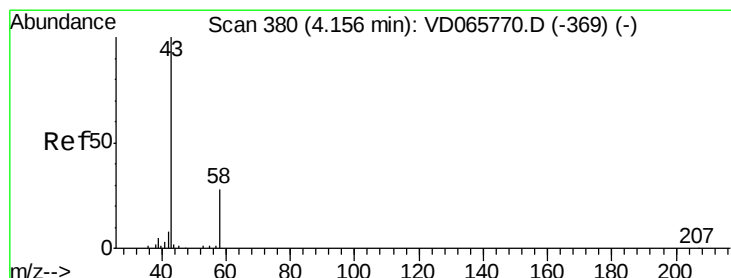
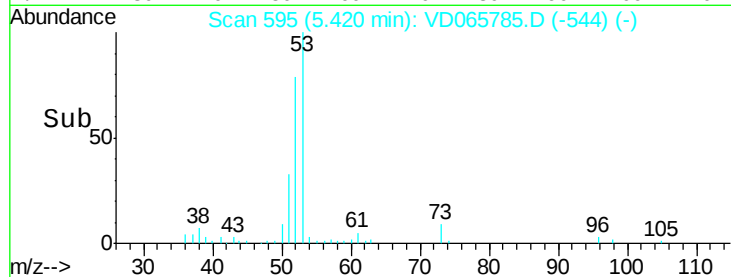
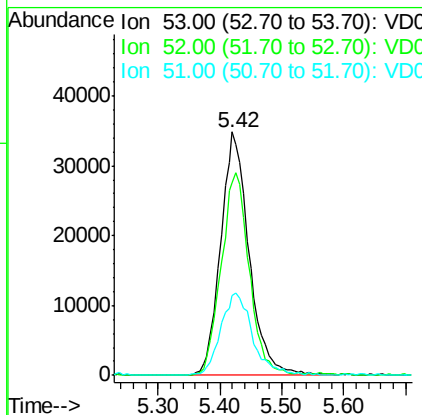
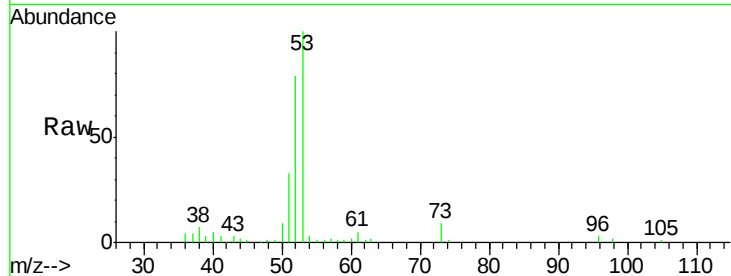
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	111186
Ion Ratio	Lower	Upper	
53	100		
52	81.9	66.2	99.2
51	37.6	30.7	46.1

Manual Integrations
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6/9/2020 2:50:45 PM



#16

Acetone

Concen: 286.253 ug/l

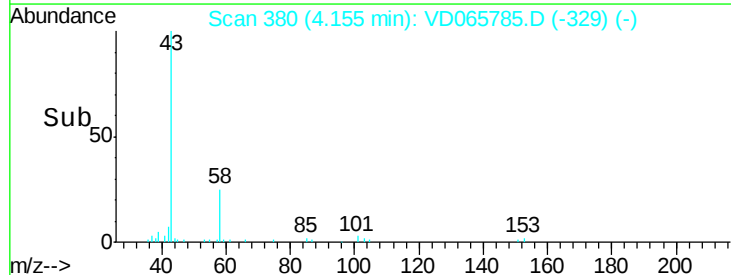
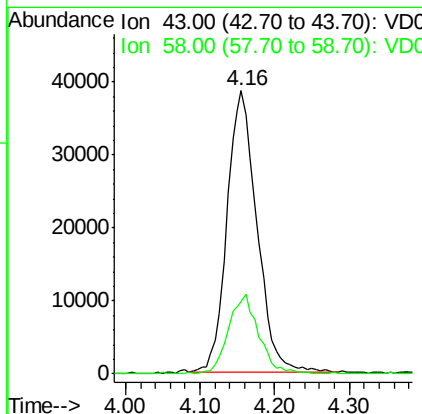
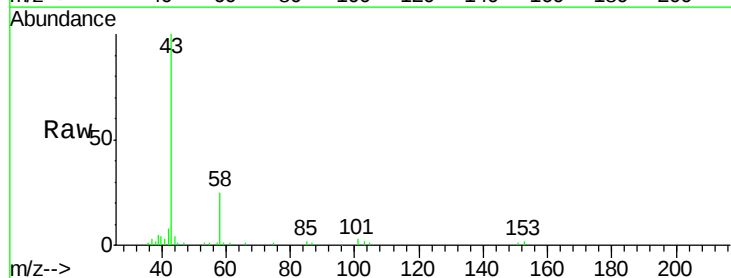
RT: 4.16 min Scan# 380

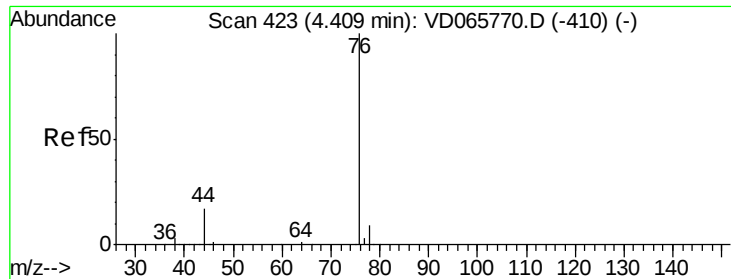
Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Tgt Ion:	43	Resp:	107562
Ion Ratio	Lower	Upper	
43	100		
58	25.5	22.3	33.5





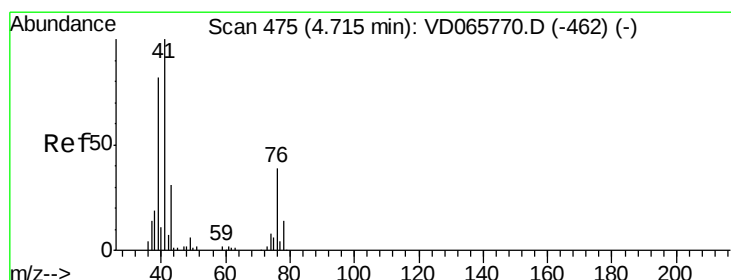
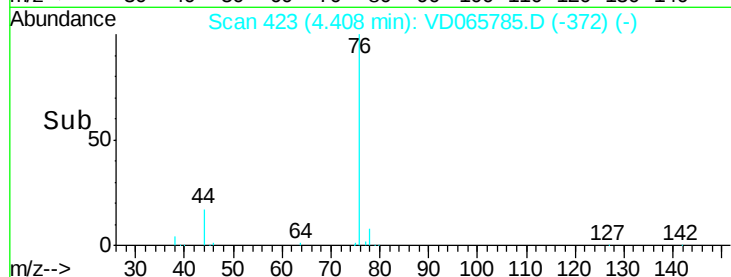
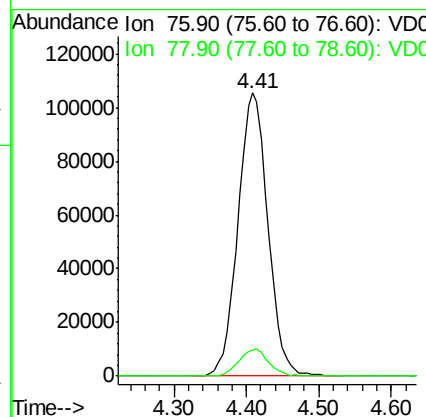
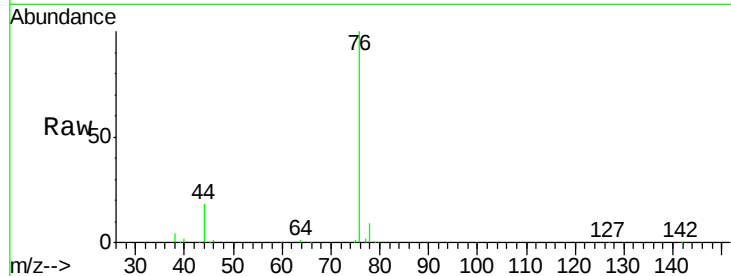
#17
Carbon Disulfide
Concen: 49.129 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

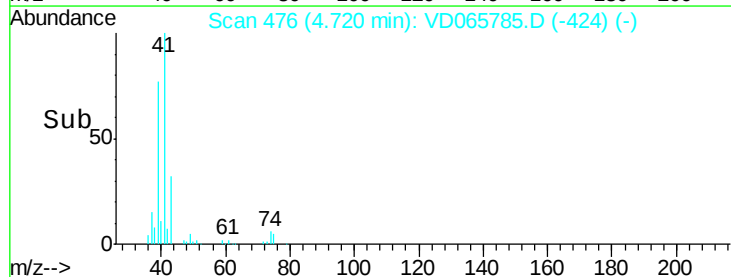
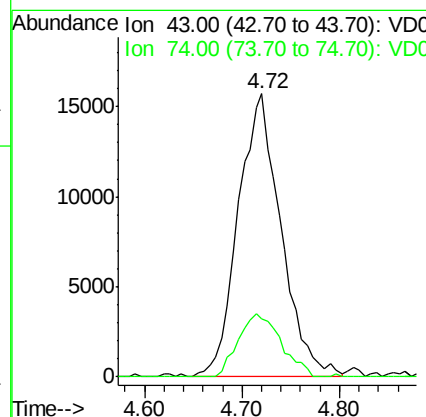
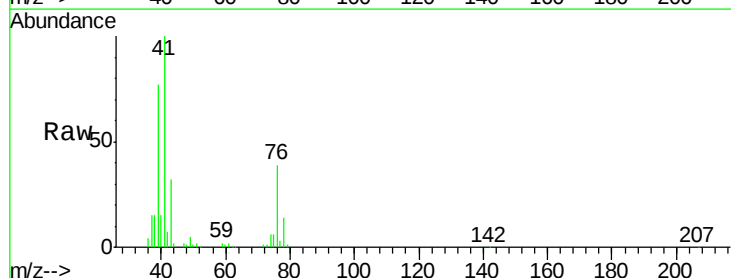
Manual Integrations
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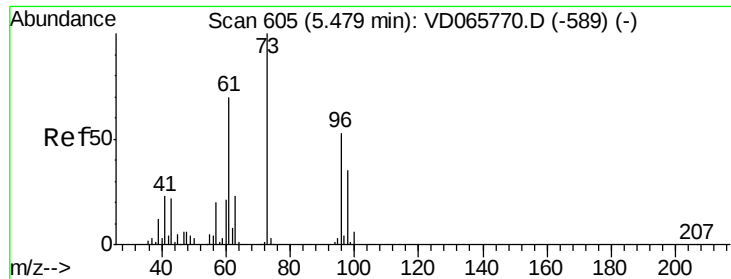
MMDadoda
6/9/2020 2:50:45 PM



#18
Methyl Acetate
Concen: 57.144 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	18.7	28.1





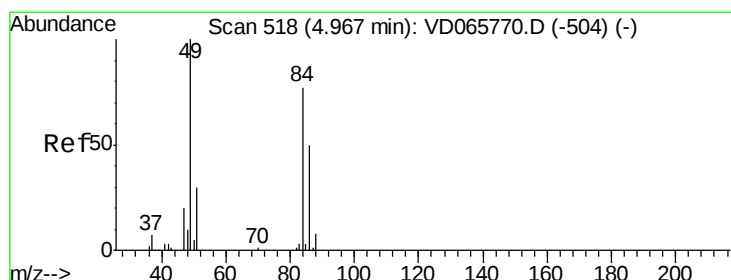
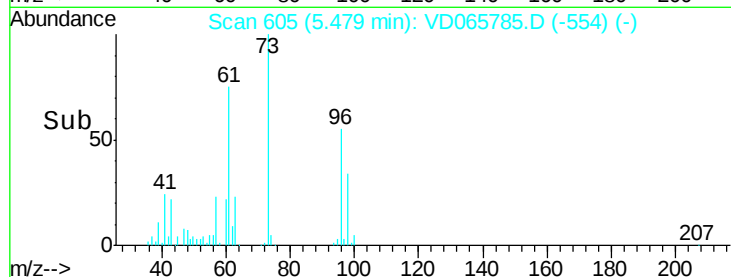
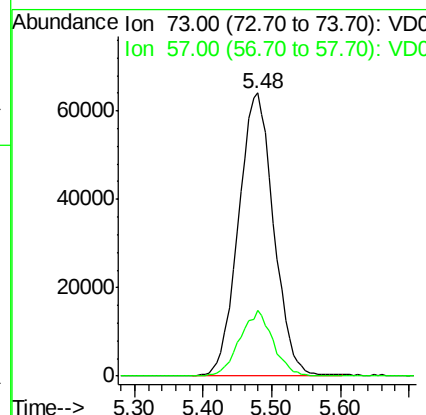
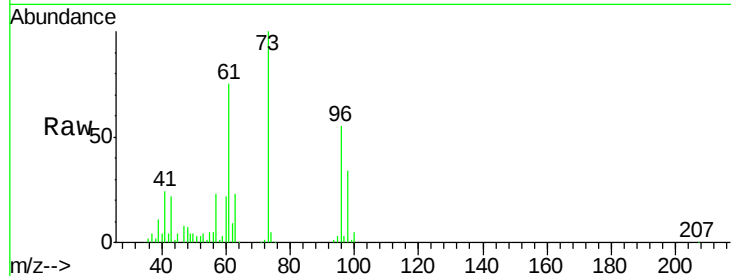
#19
Methyl tert-butyl Ether
Concen: 55.054 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	16.2	24.2

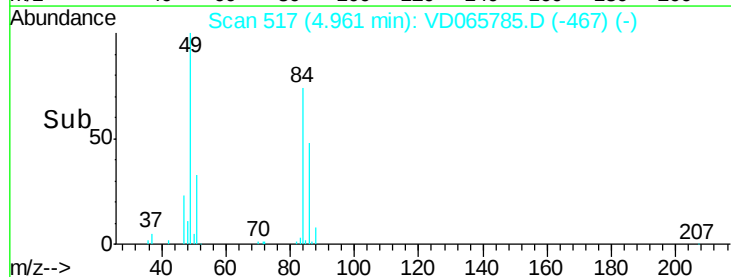
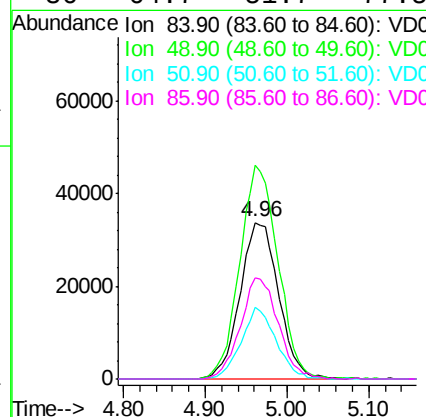
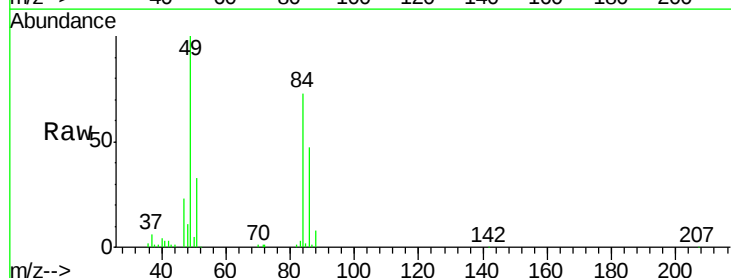
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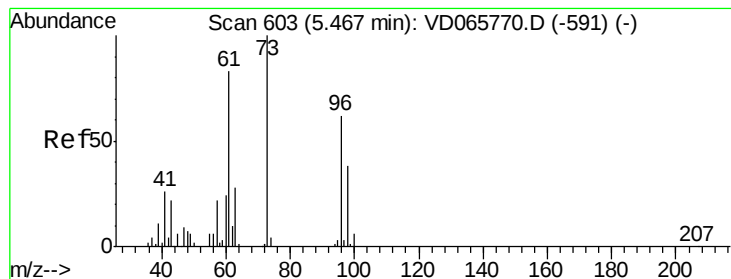
MMDadoda
6/9/2020 2:50:45 PM



#20
Methylene Chloride
Concen: 56.095 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	136.3	103.4	155.0
51	45.4	31.4	47.2
86	64.7	51.7	77.5





#21

trans-1,2-Dichloroethene

Concen: 51.443 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 110332

Ion Ratio Lower Upper

96 100

61 145.1 107.7 161.5

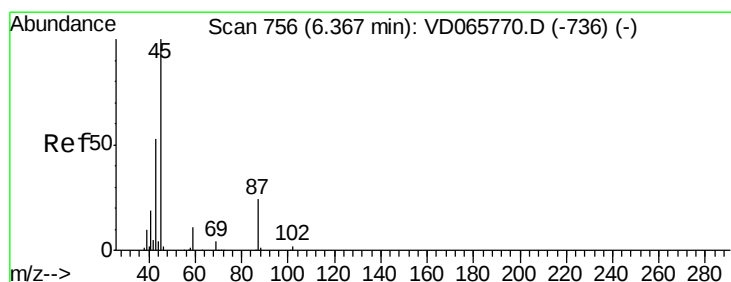
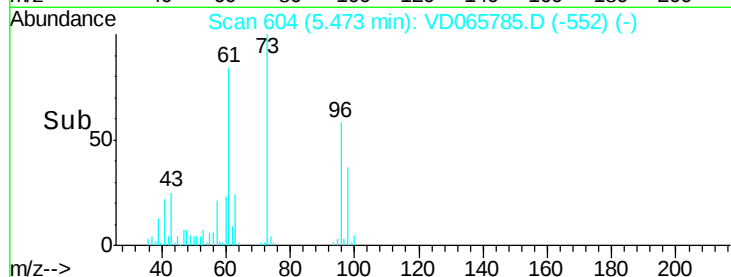
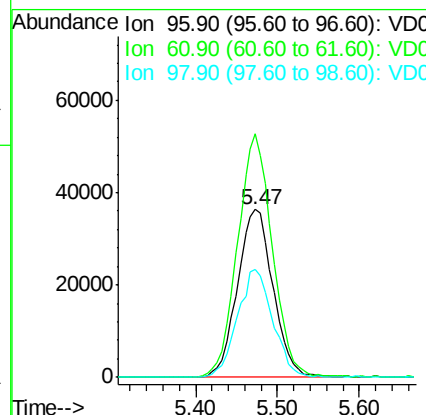
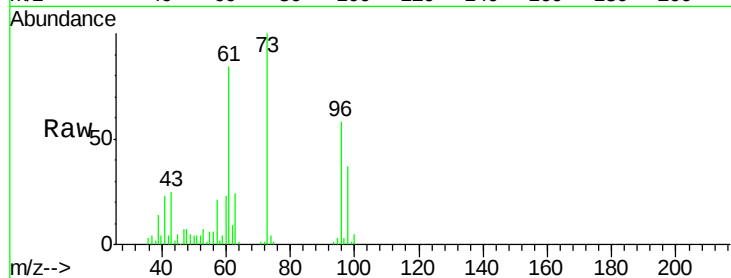
98 64.0 49.3 73.9

Manual Integrations

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6/9/2020 2:50:45 PM



#22

Diisopropyl ether

Concen: 55.801 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Tgt Ion: 45 Resp: 341275

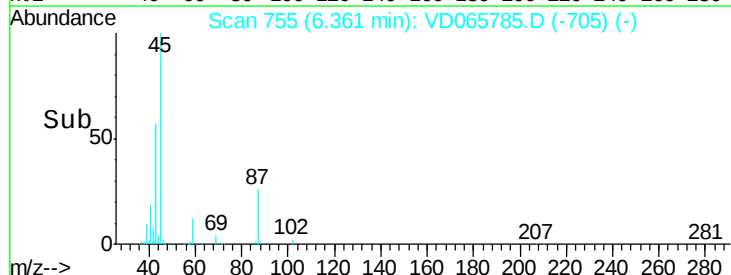
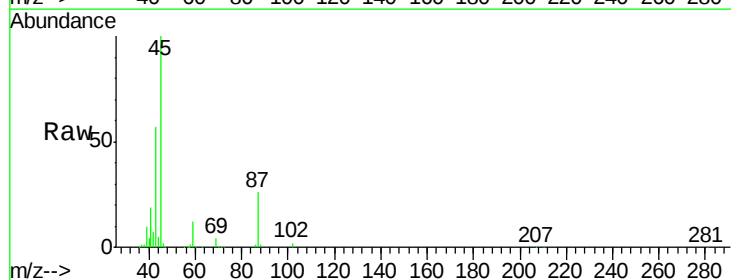
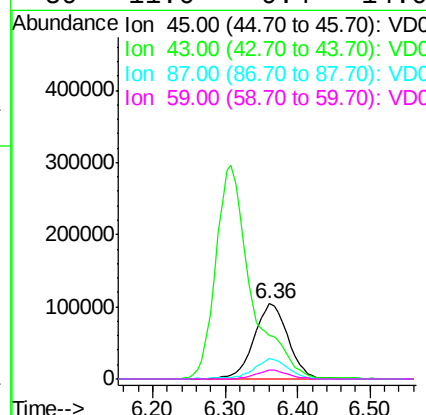
Ion Ratio Lower Upper

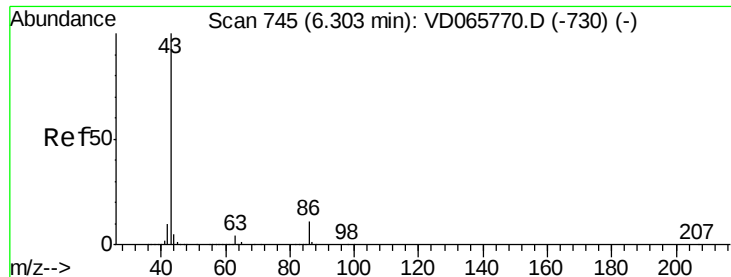
45 100

43 56.2 43.4 65.0

87 26.3 20.2 30.4

59 11.6 9.4 14.0





#23

Vinyl Acetate

Concen: 291.279 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1005961

Ion Ratio Lower Upper

43 100

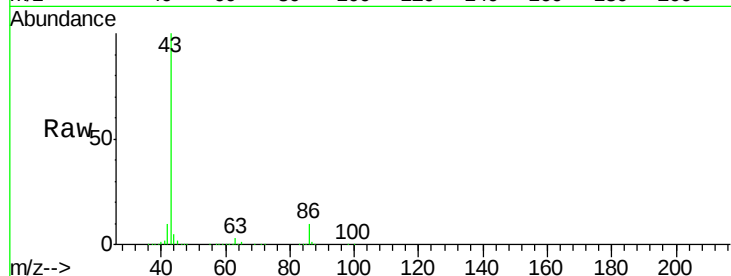
86 10.1 8.5 12.7

Manual Integrations

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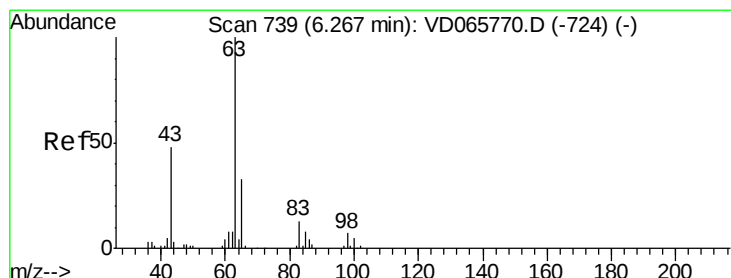
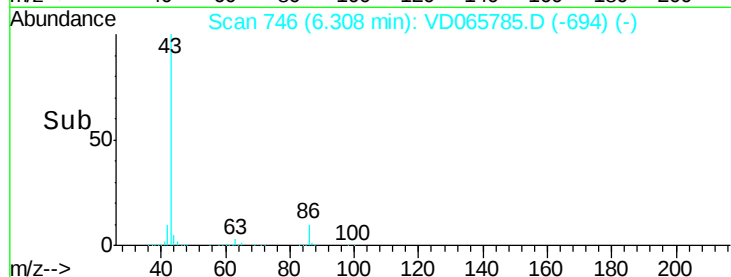
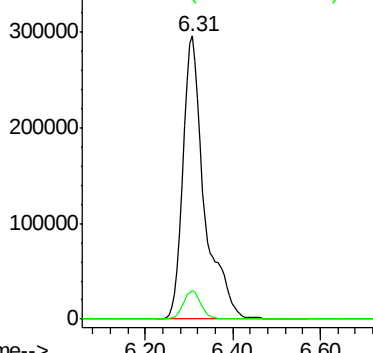
MMDadoda

6/9/2020 2:50:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.282 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

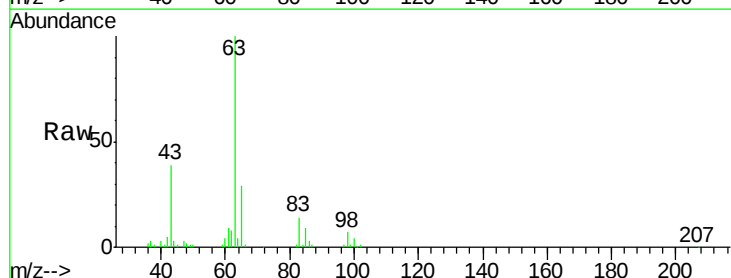
Tgt Ion: 63 Resp: 194824

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

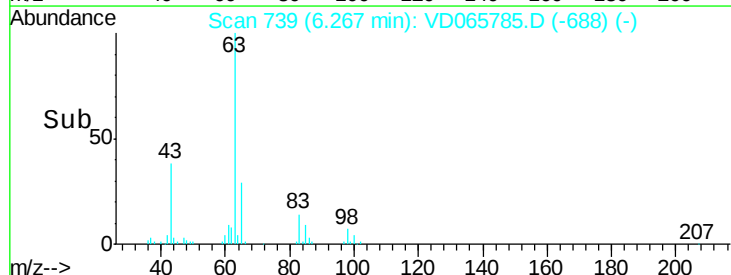
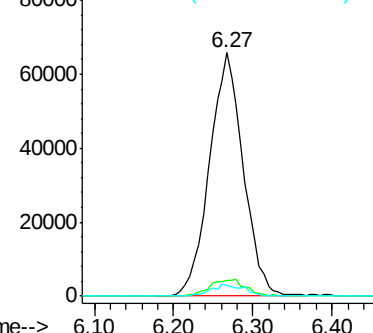
100 4.3 2.3 6.9

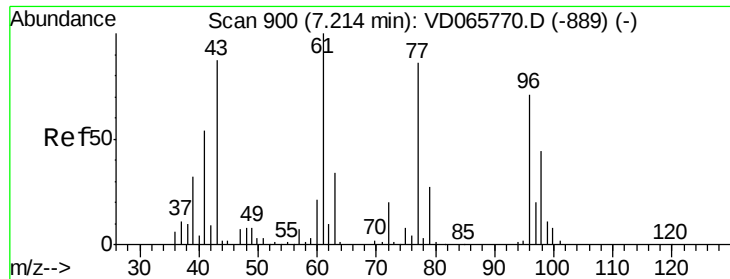


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





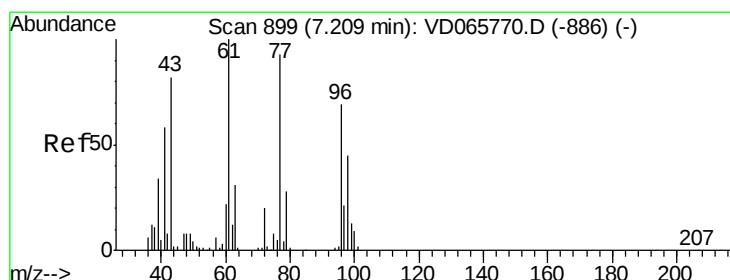
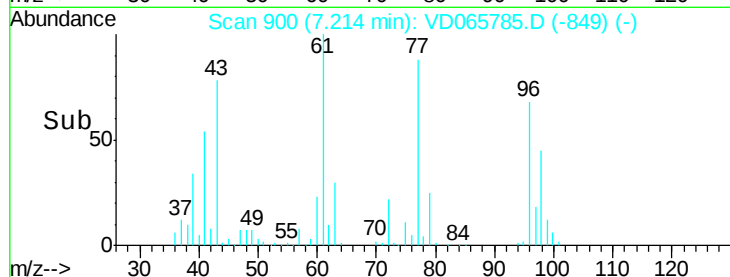
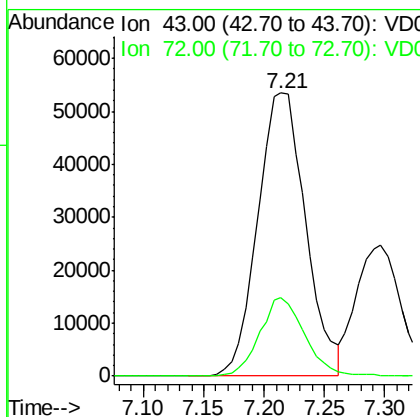
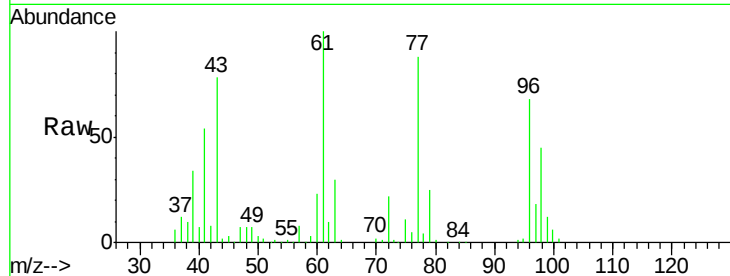
#25
2-Butanone
Concen: 283.801 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 147277
Ion Ratio Lower Upper
43 100
72 27.9 18.5 27.7#

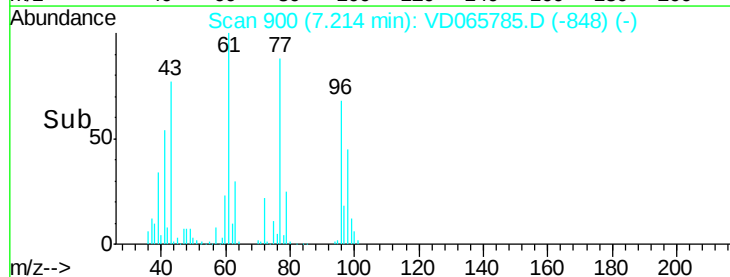
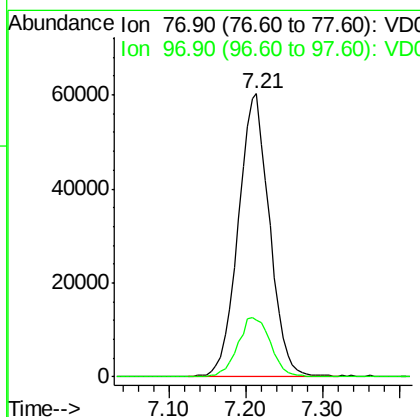
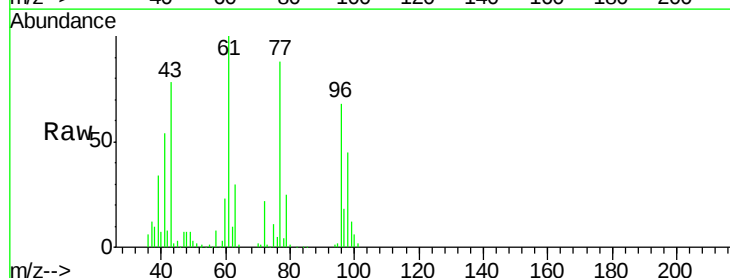
Manual Integrations
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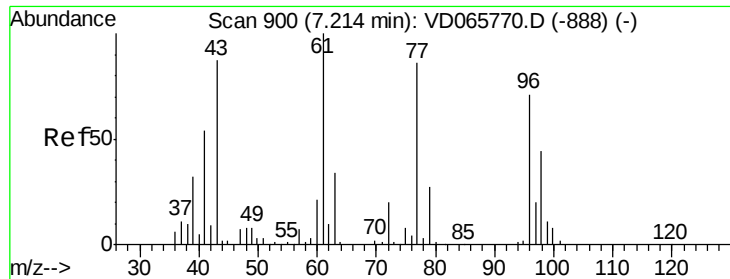
MMDadoda
6/9/2020 2:50:45 PM



#26
2,2-Dichloropropane
Concen: 51.759 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion: 77 Resp: 171021
Ion Ratio Lower Upper
77 100
97 22.1 10.9 32.7





#27

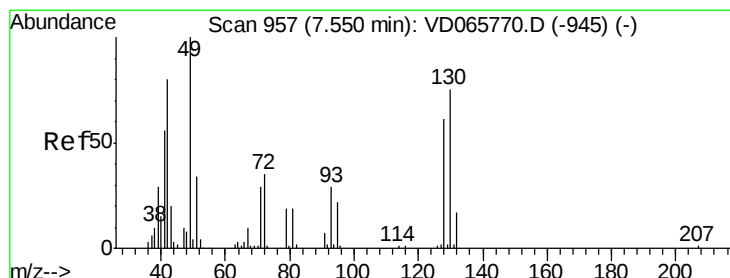
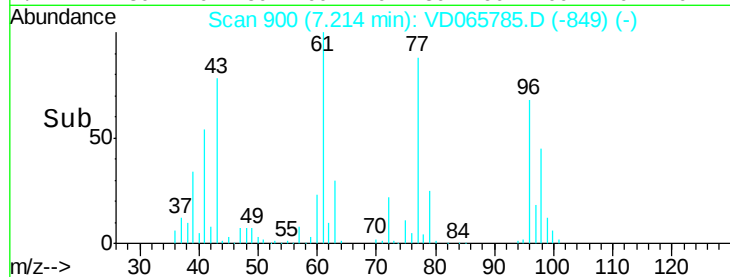
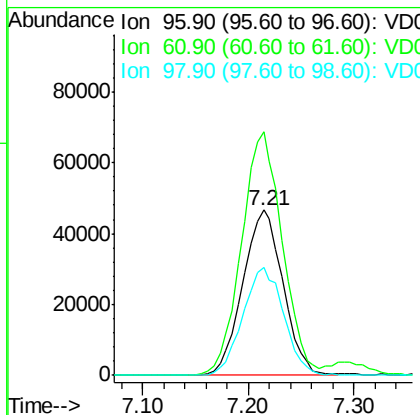
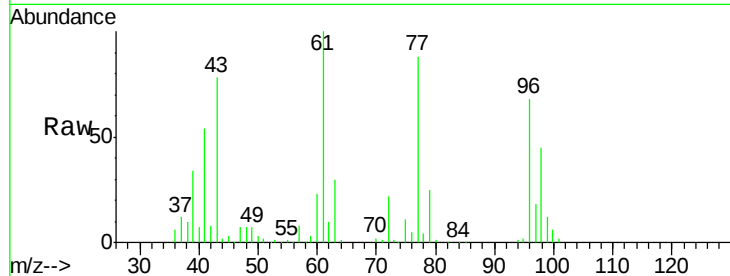
cis-1,2-Dichloroethene
Concen: 53.645 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	291.2
98	66.2	0.0	128.8

Manual Integrations
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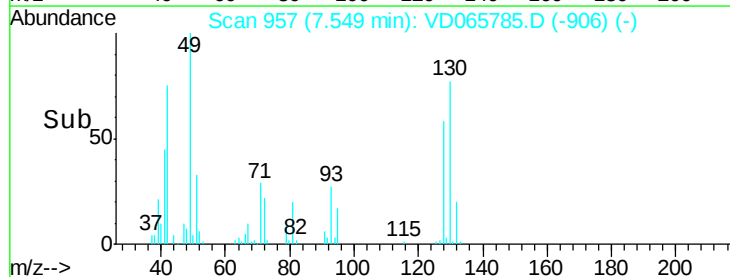
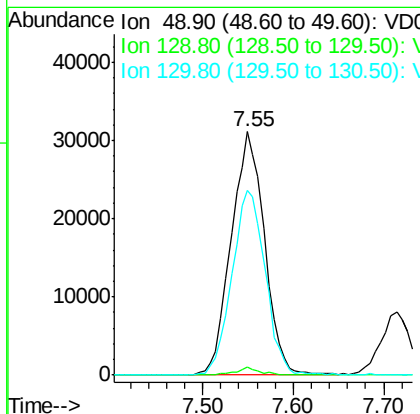
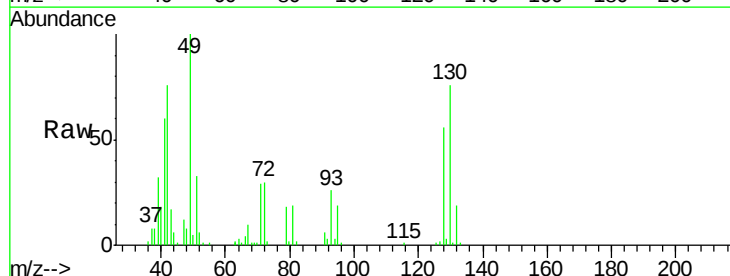
MMDadoda
6/9/2020 2:50:45 PM

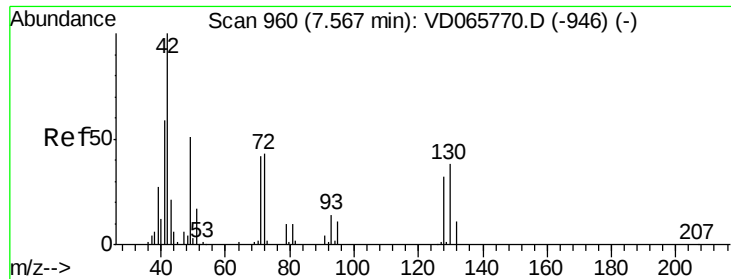


#28

Bromochloromethane
Concen: 55.096 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	75.9	59.5	89.3





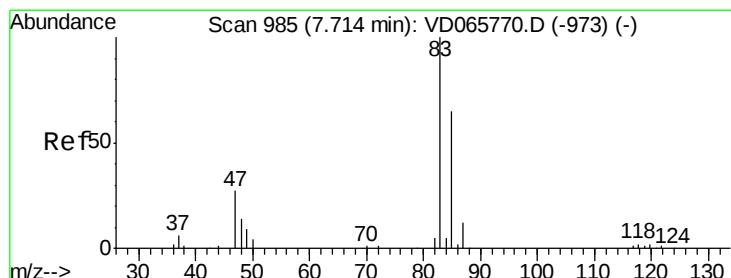
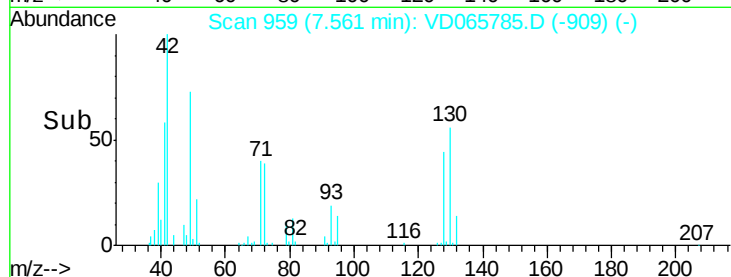
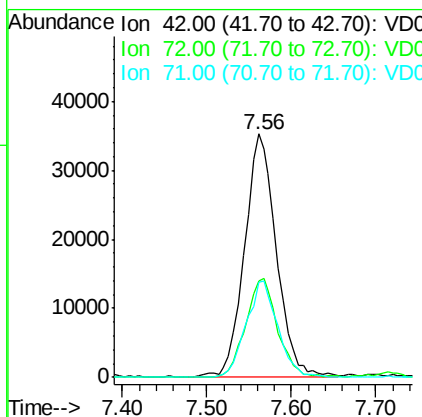
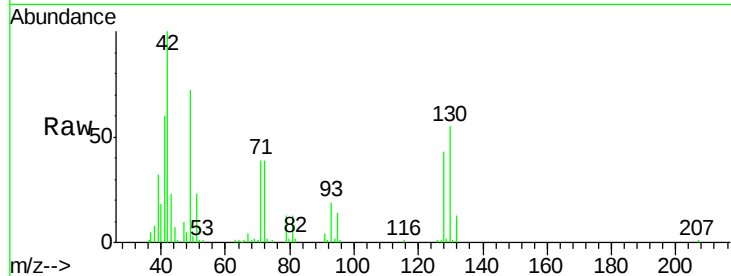
#29
Tetrahydrofuran
Concen: 282.621 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	34.9	52.3
71	39.2	31.2	46.8

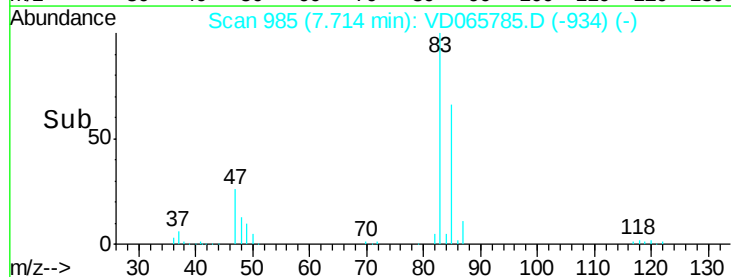
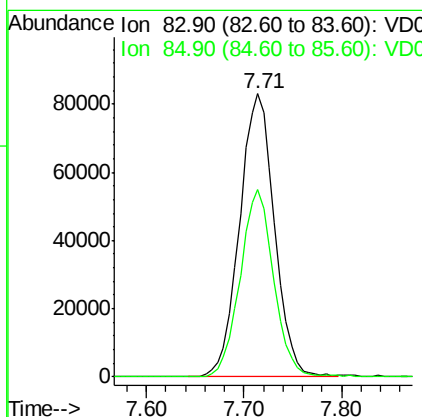
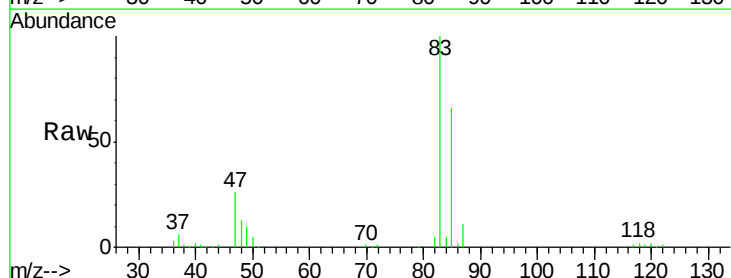
Manual Integrations
APPROVED

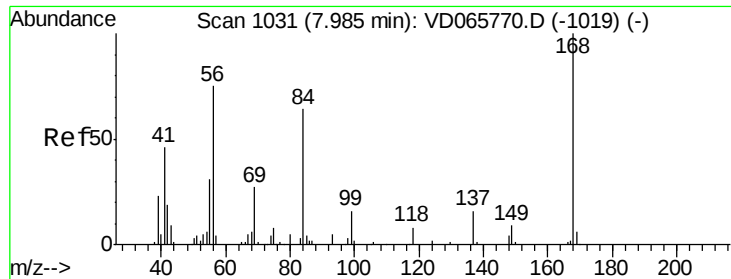
MMDadoda
6/9/2020 2:50:45 PM



#30
Chloroform
Concen: 53.676 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.9	77.9





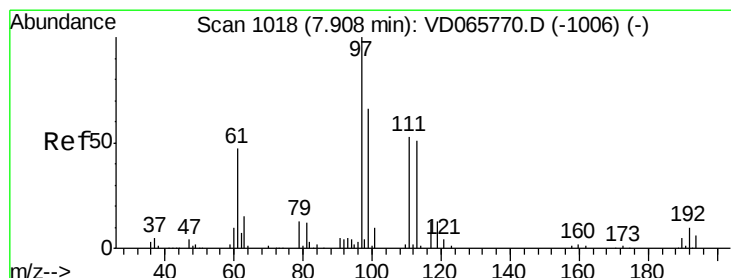
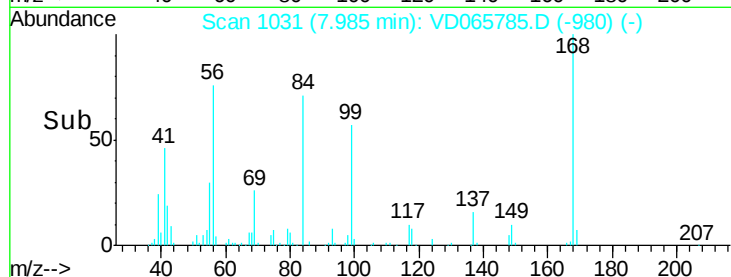
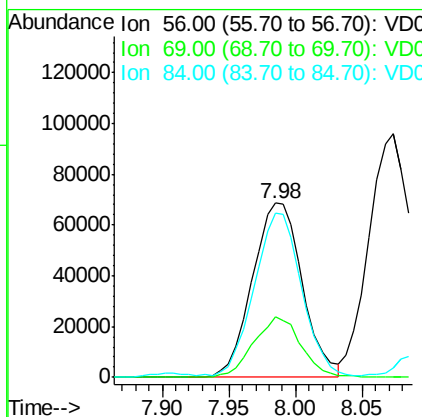
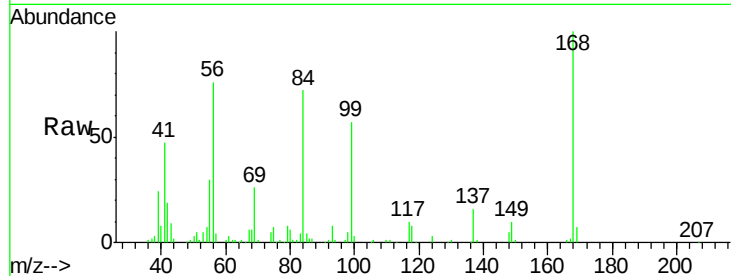
#31
Cvclohexane
Concen: 49.811 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.4	28.5	42.7	
84	92.4	68.4	102.6	

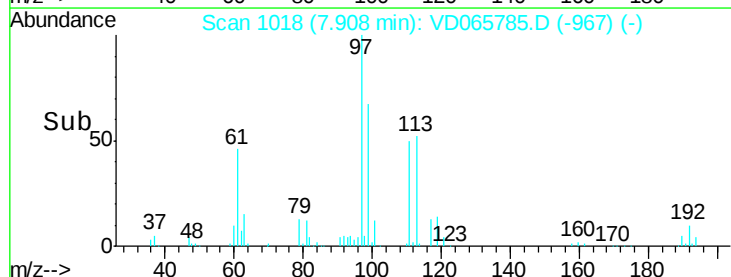
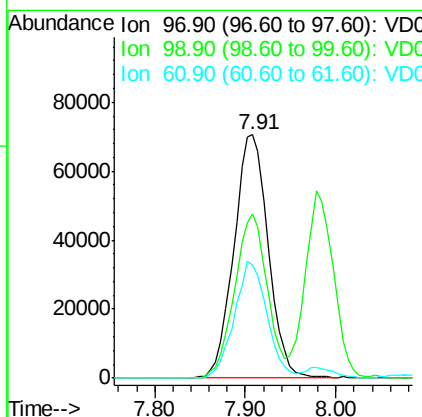
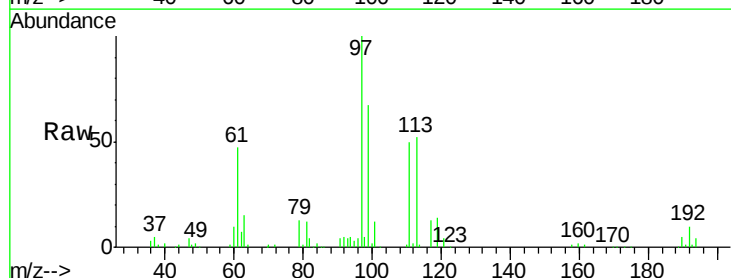
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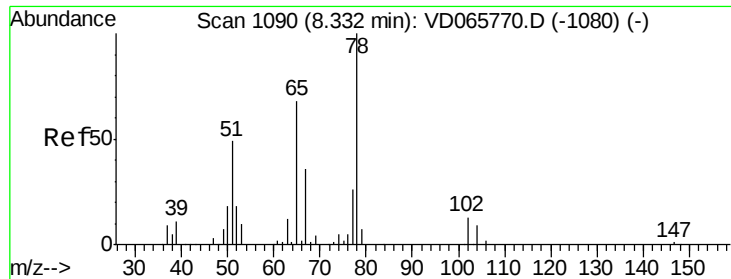
MMDadoda
6/9/2020 2:50:45 PM



#32
1,1,1-Trichloroethane
Concen: 52.176 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.2	49.2	73.8	
61	45.4	36.0	54.0	





#33

1,2-Dichloroethane-d4

Concen: 54.029 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 107626

Ion Ratio Lower Upper

65 100

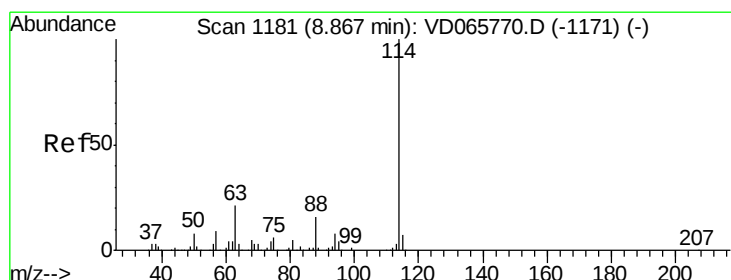
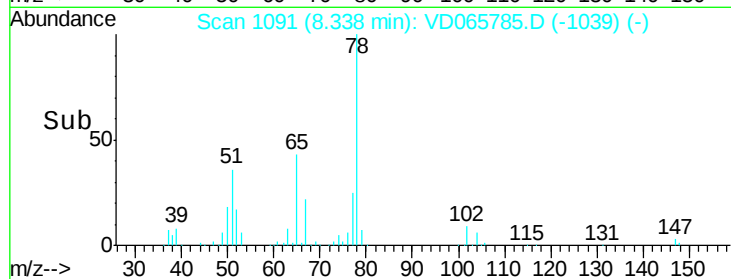
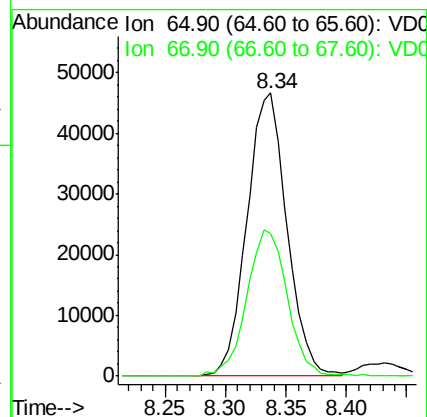
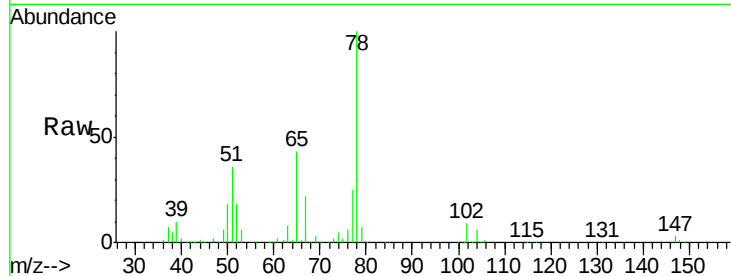
67 52.4 0.0 103.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

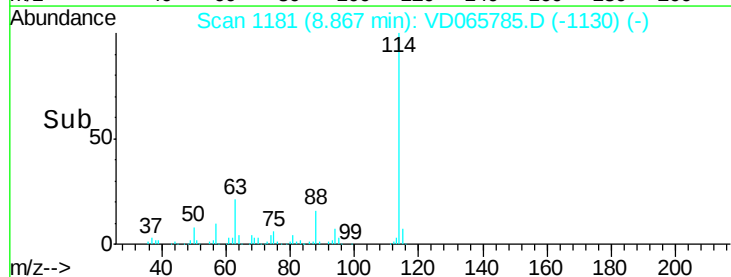
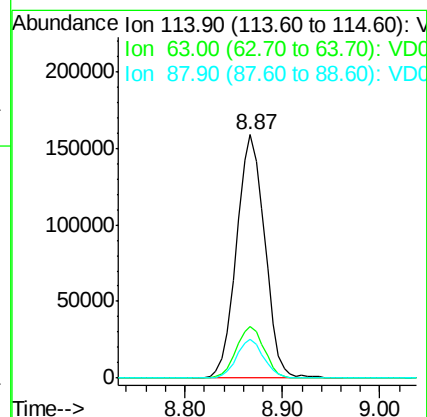
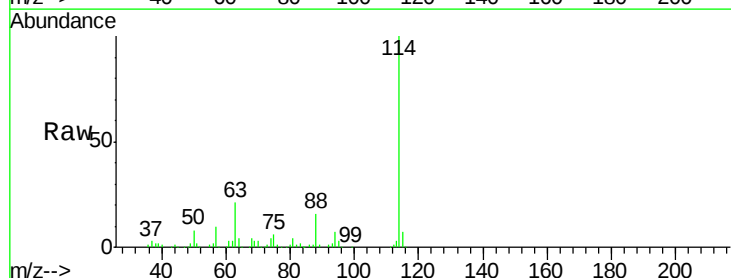
Tgt Ion: 114 Resp: 320654

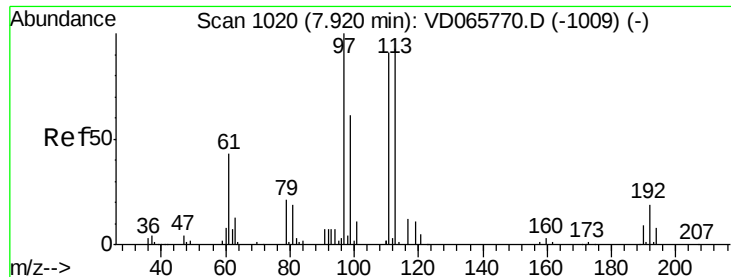
Ion Ratio Lower Upper

114 100

63 21.3 0.0 41.8

88 16.2 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.429 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

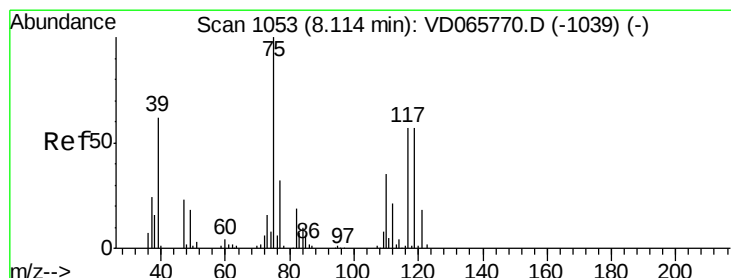
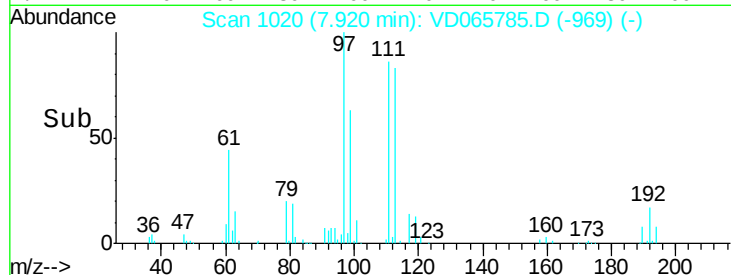
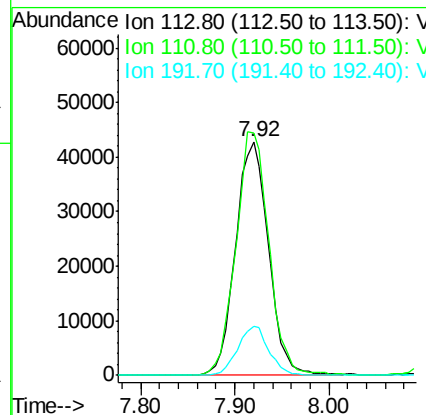
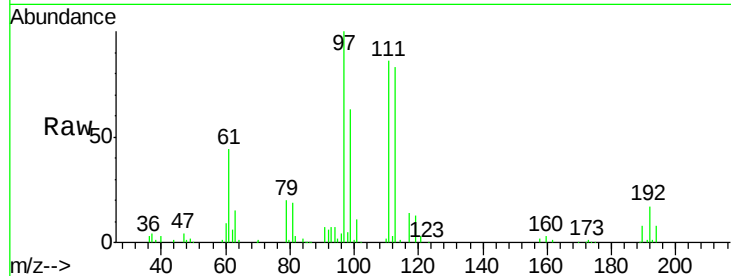
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.4	125.0
192	19.7	15.7	23.5

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 52.474 ug/l

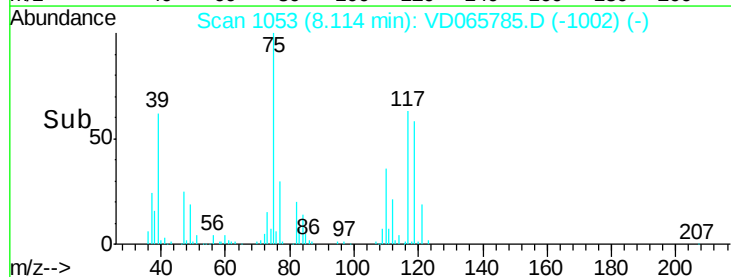
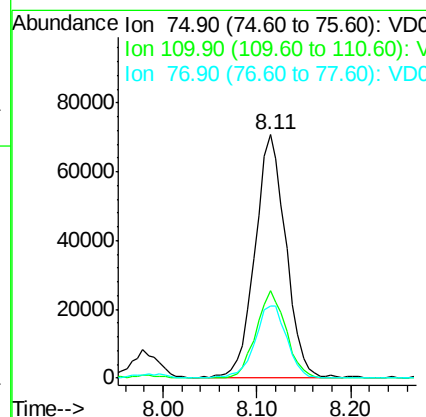
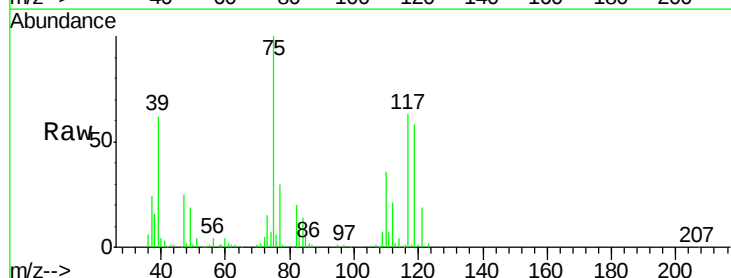
RT: 8.11 min Scan# 1053

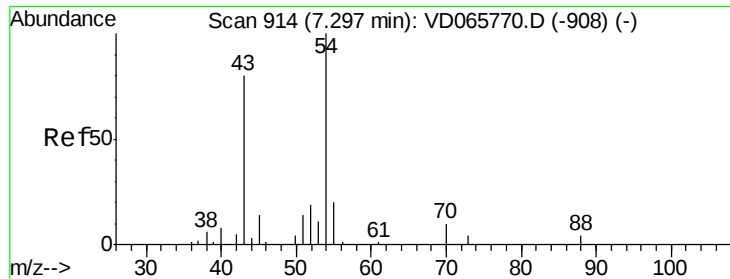
Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.6	52.8
77	30.7	25.1	37.7





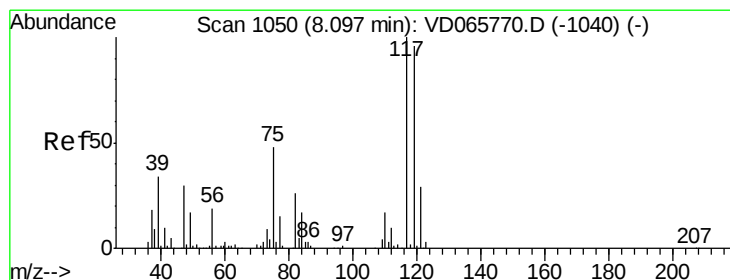
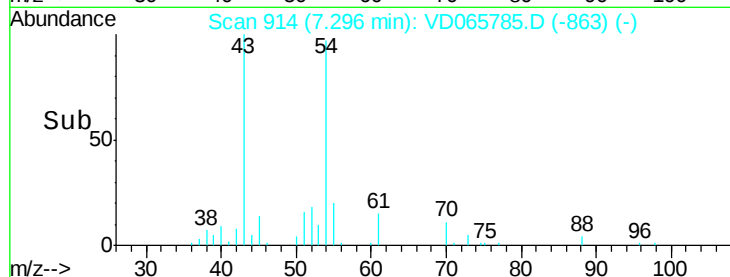
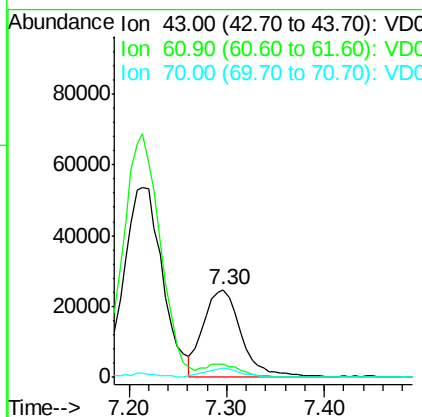
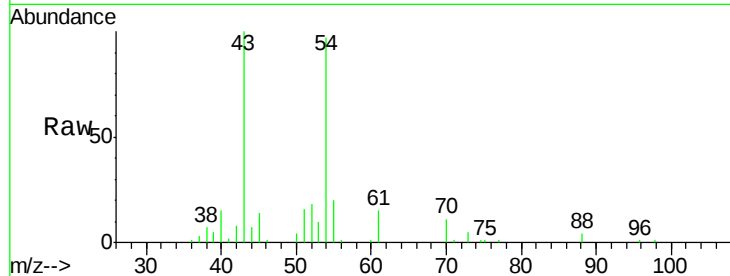
#37
Ethyl Acetate
Concen: 54.894 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	10.6	15.8
70	9.5	7.5	11.3

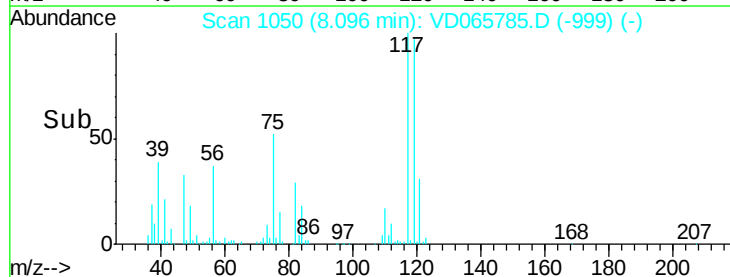
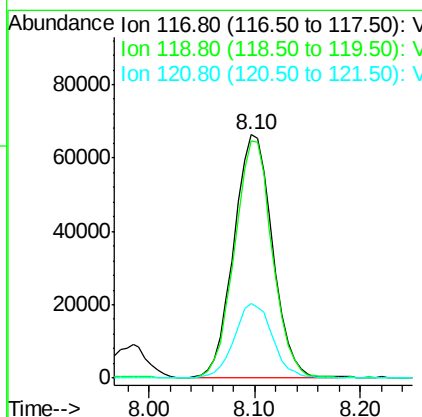
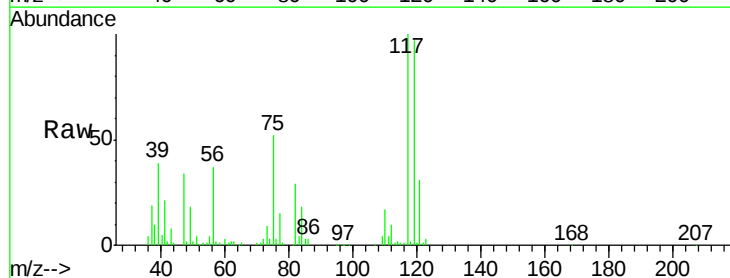
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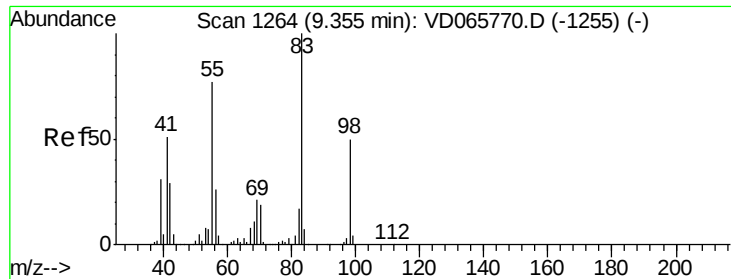
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6/9/2020 2:50:45 PM



#38
Carbon Tetrachloride
Concen: 52.290 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.8	115.2
121	30.8	23.4	35.2





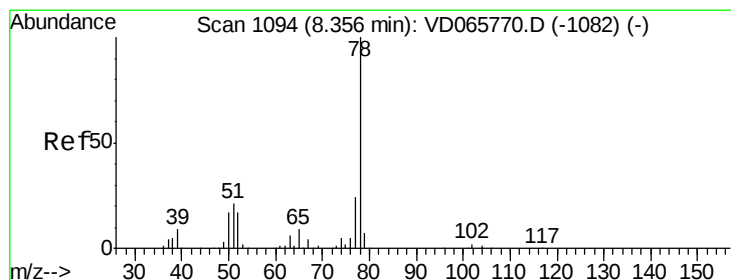
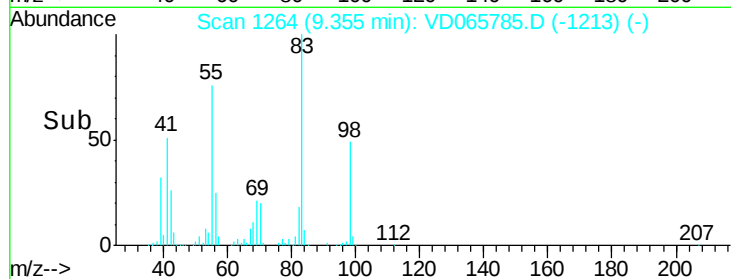
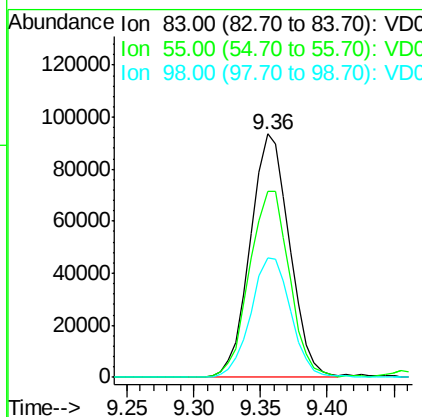
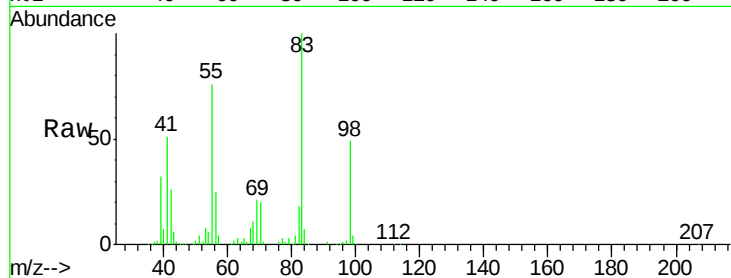
#39
Methvlcvclohexane
Concen: 52.407 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	61.6	92.4
98	48.9	40.2	60.2

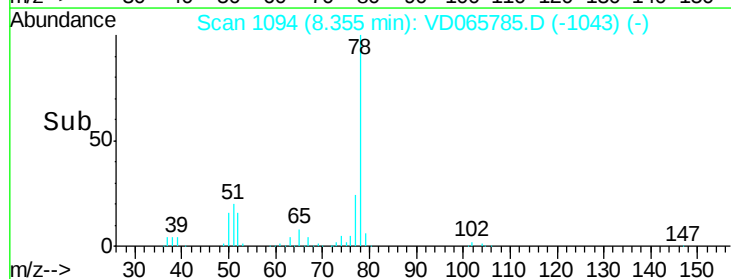
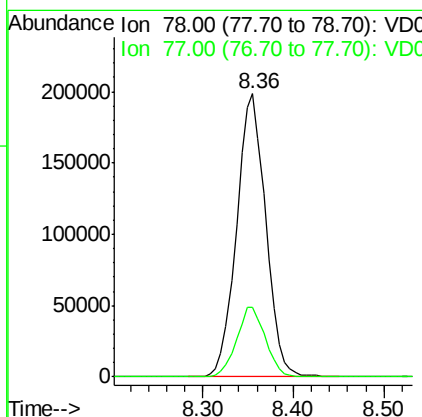
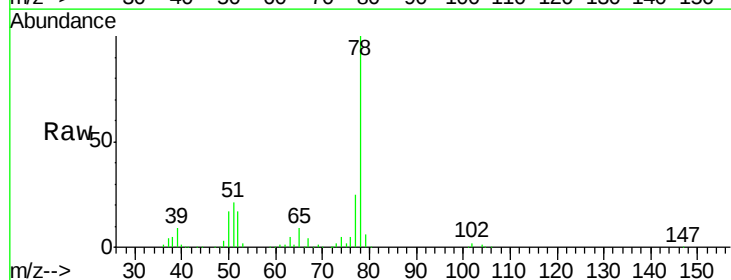
Manual Integrations
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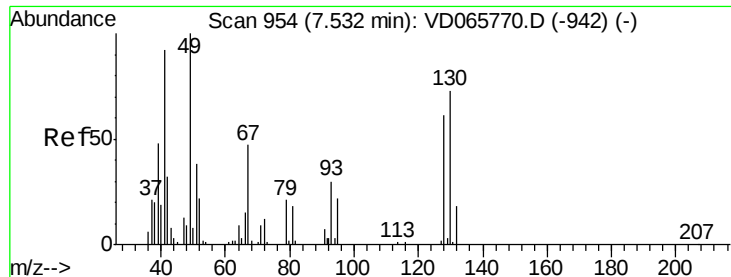
MMDadoda
6/9/2020 2:50:45 PM



#40
Benzene
Concen: 52.805 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.2	28.8





#41

Methacrylonitrile

Concen: 52.264 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 37652

Ion Ratio Lower Upper

41 100

39 55.0 38.3 57.5

67 70.9 49.8 74.6

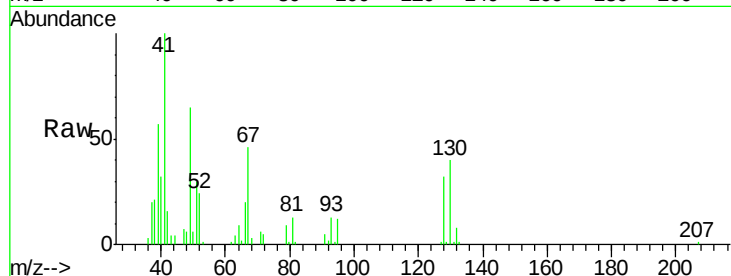
52 31.8 21.7 32.5

Manual Integrations

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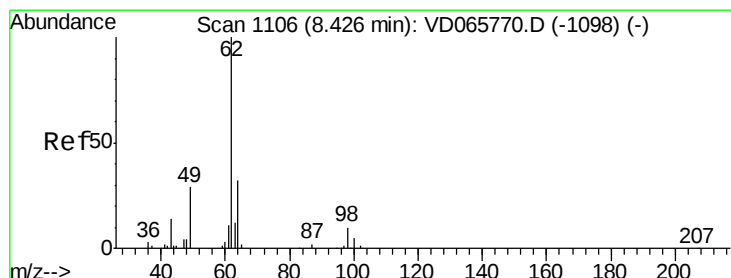
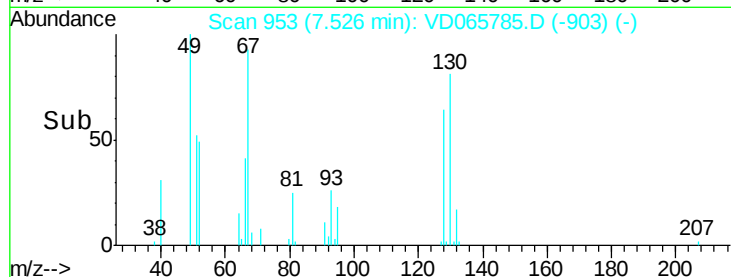
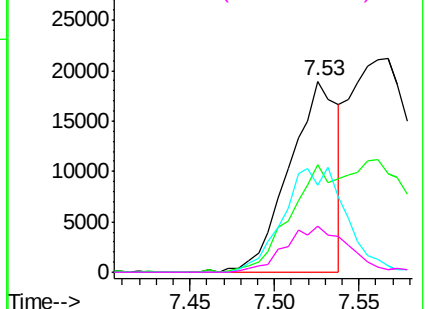


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 52.863 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065785.D

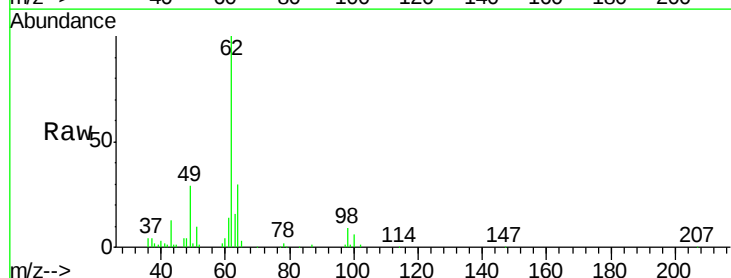
Acq: 08 Jun 2020 17:20

Tgt Ion: 62 Resp: 133938

Ion Ratio Lower Upper

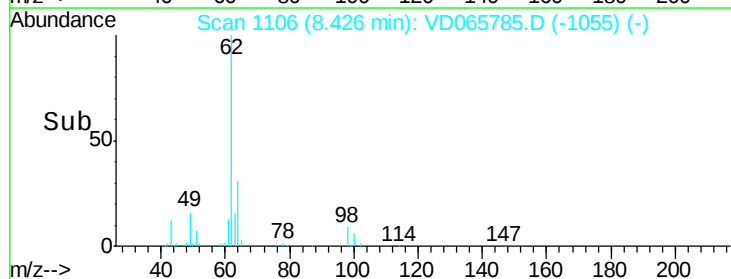
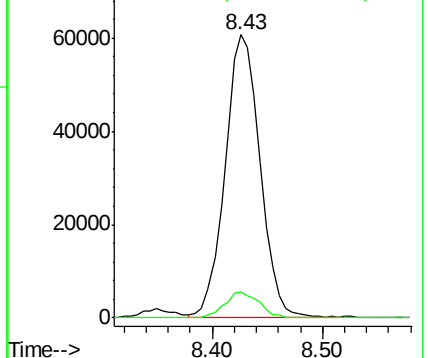
62 100

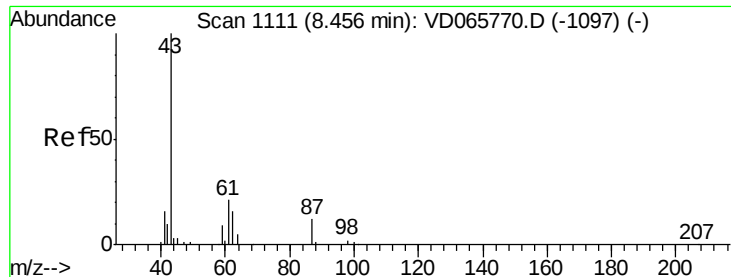
98 9.2 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





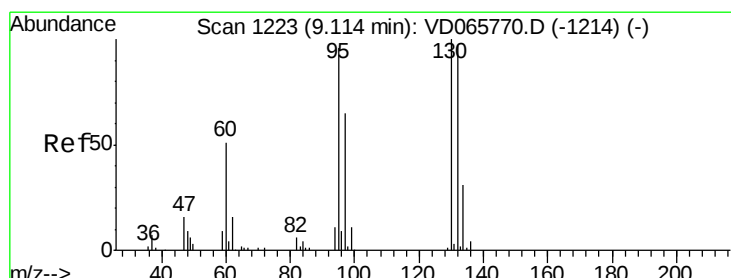
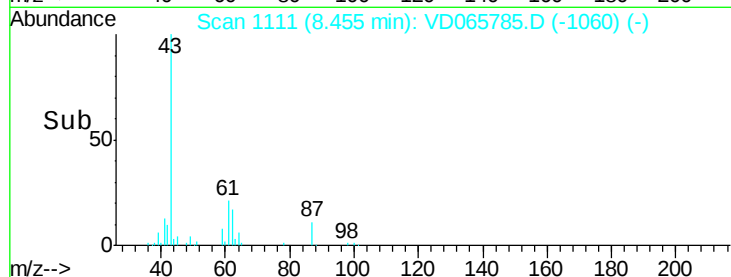
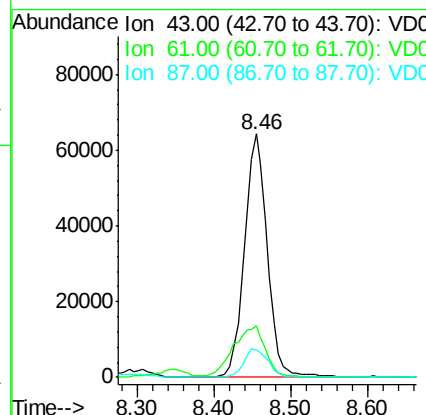
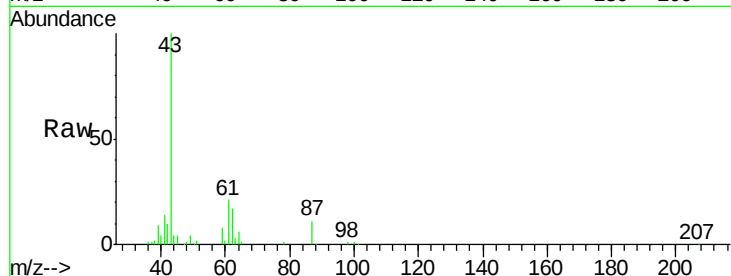
#43
Isopropyl Acetate
Concen: 55.369 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	24.2	36.4
87	12.3	9.5	14.3

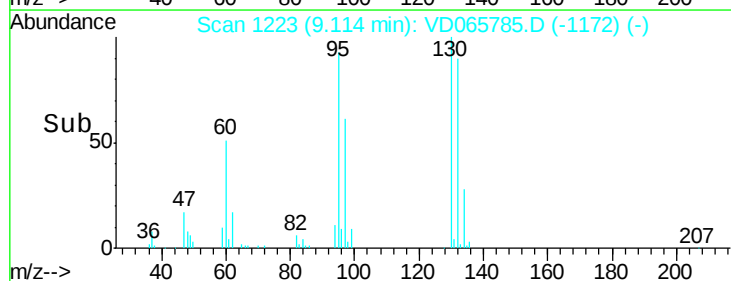
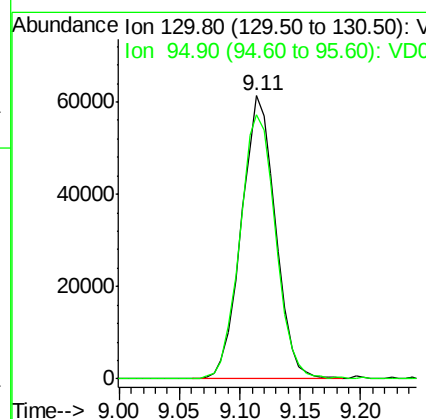
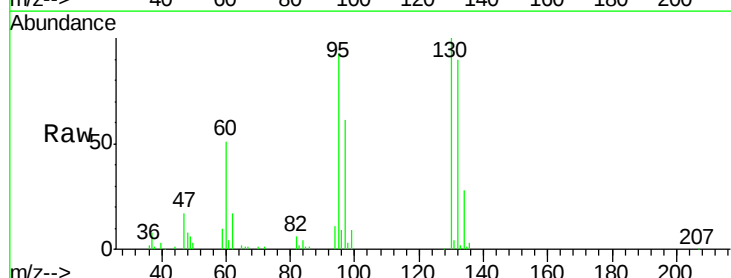
Manual Integrations
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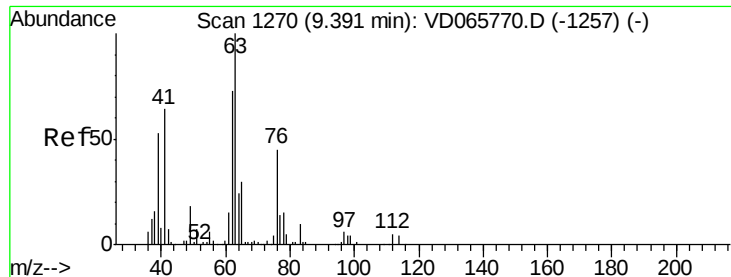
MMDadoda
6/9/2020 2:50:45 PM



#44
Trichloroethene
Concen: 51.663 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	192.8





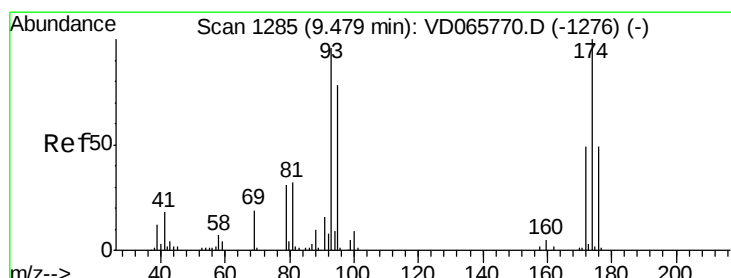
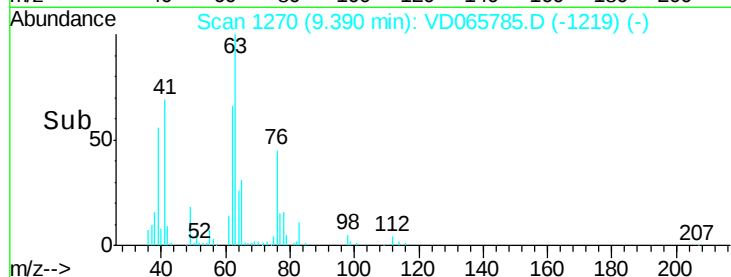
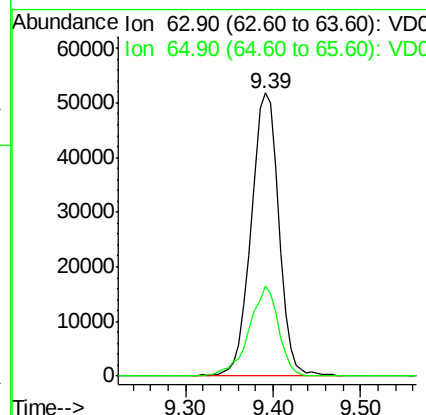
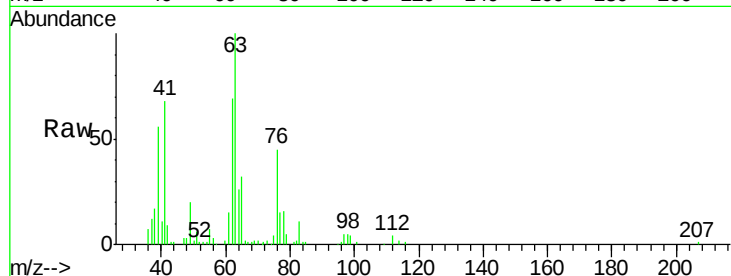
#45
 1,2-Dichloropropane
 Concen: 52.679 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065785.D
 Acq: 08 Jun 2020 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	24.2	36.2

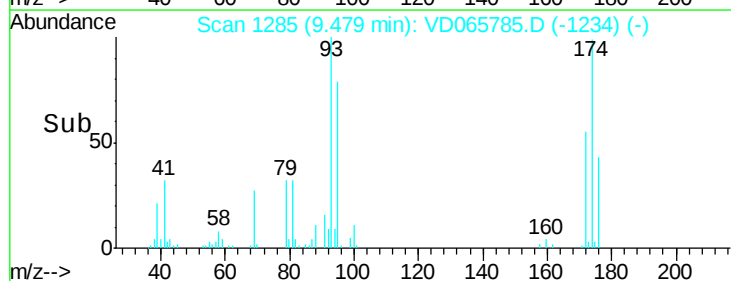
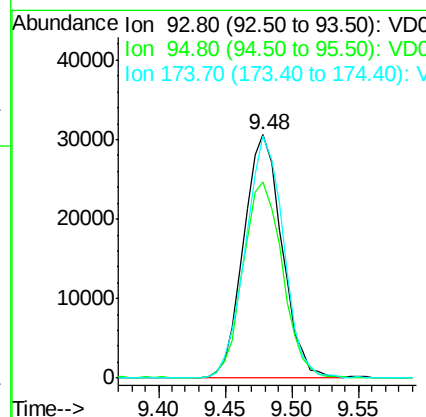
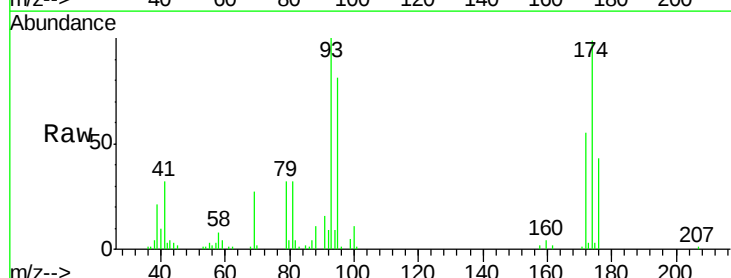
Manual Integrations
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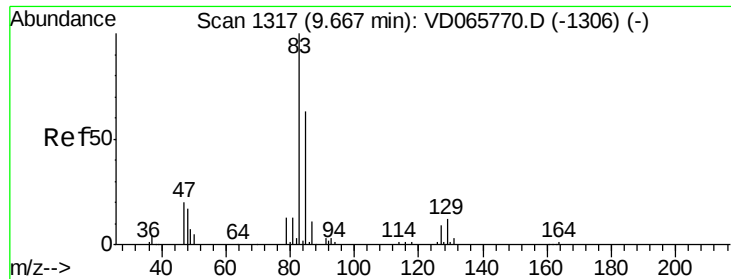
MMDadoda
 6/9/2020 2:50:45 PM



#46
 Dibromomethane
 Concen: 53.256 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065785.D
 Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.8	98.6
174	98.6	80.9	121.3





#47

Bromodichloromethane

Concen: 52.959 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

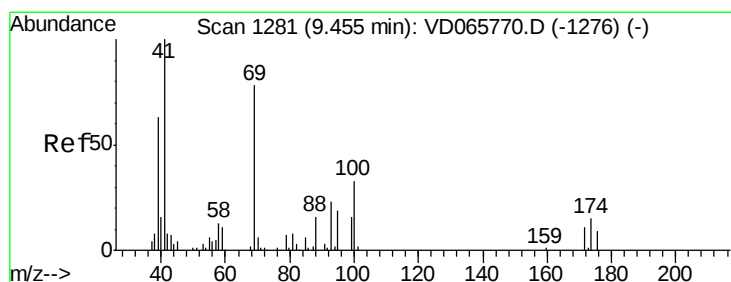
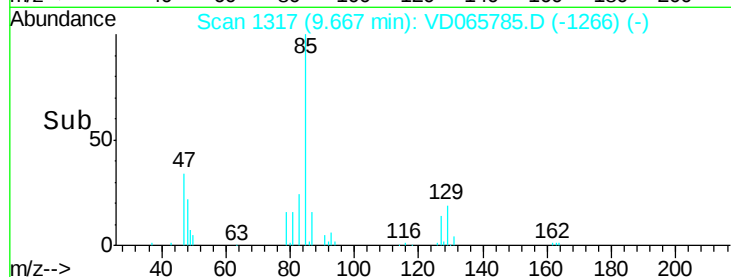
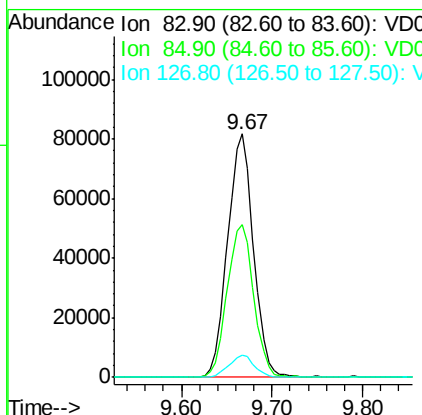
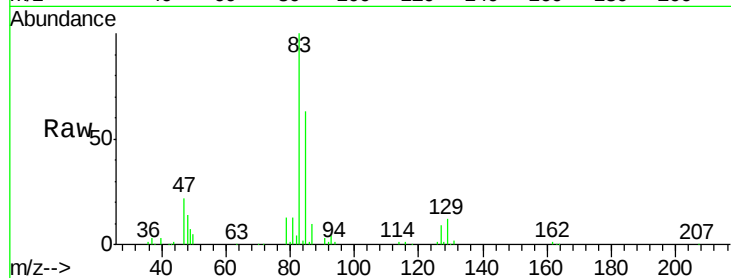
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	162398
Ion	Ratio	Lower	Upper
83	100		
85	63.0	50.7	76.1
127	9.1	7.1	10.7

Manual Integrations
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6/9/2020 2:50:45 PM



#48

Methyl methacrylate

Concen: 53.026 ug/l

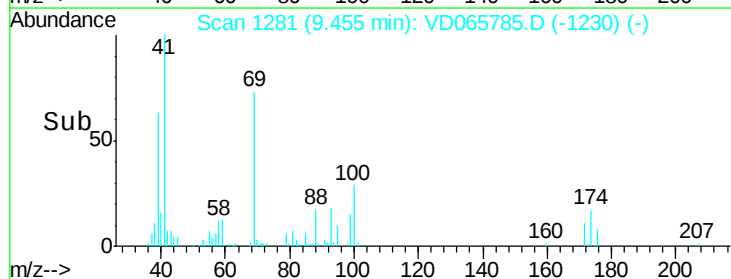
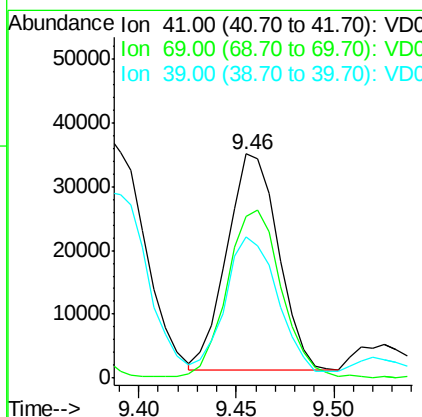
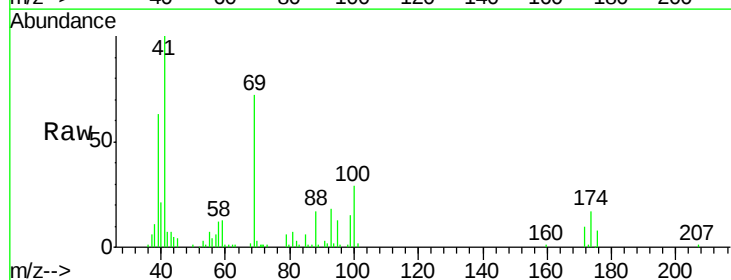
RT: 9.46 min Scan# 1281

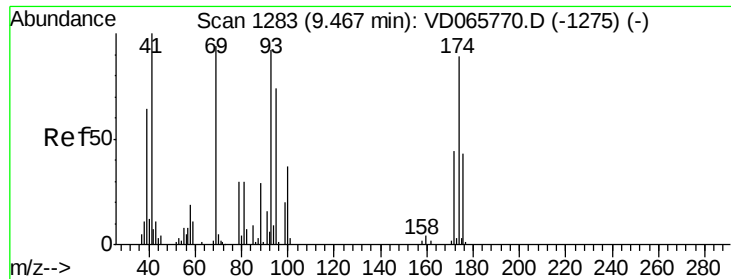
Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Tgt Ion:	41	Resp:	61752
Ion	Ratio	Lower	Upper
41	100		
69	83.0	60.9	91.3
39	61.7	48.1	72.1





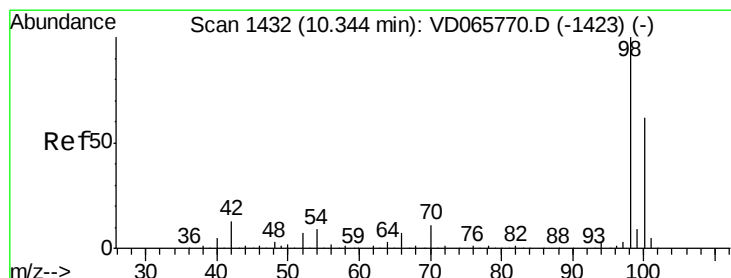
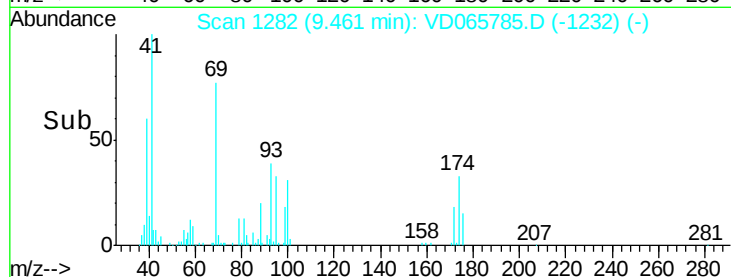
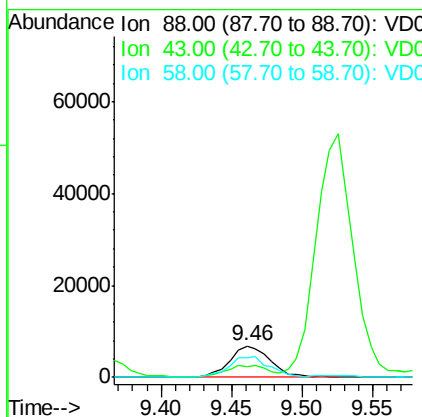
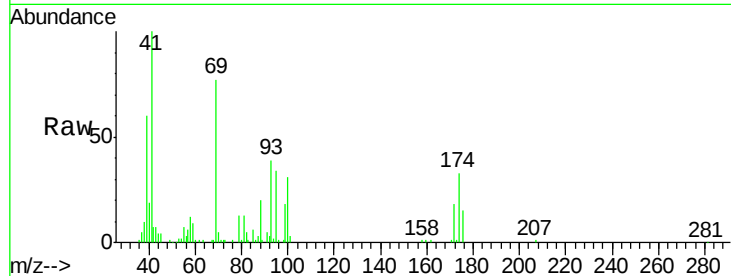
#49
1,4-Dioxane
Concen: 1123.887 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	13689
Ion	Ratio	Lower	Upper
88	100		
43	41.3	32.2	48.4
58	66.6	54.9	82.3

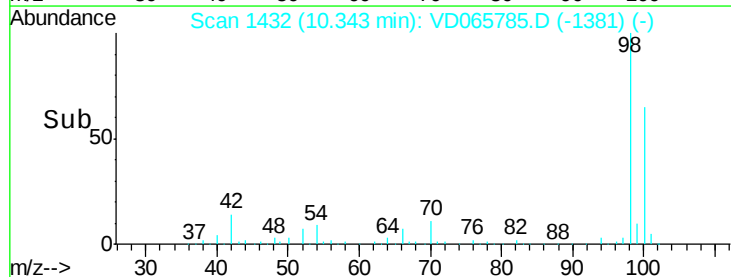
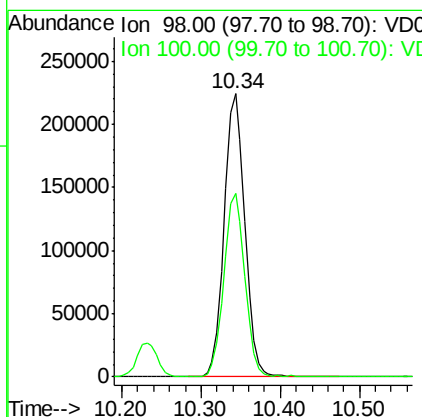
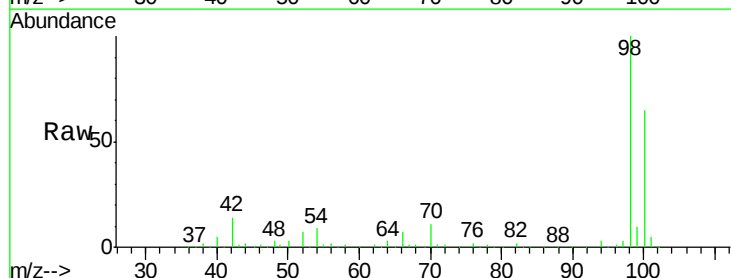
Manual Integrations
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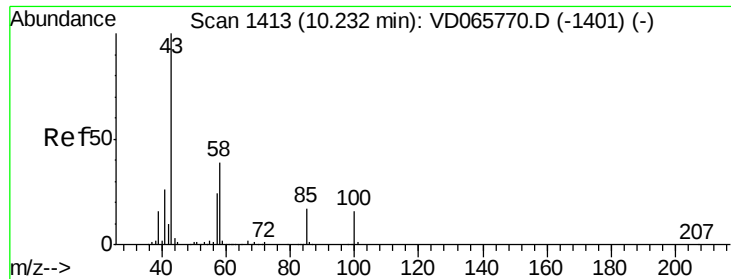
MMDadoda
6/9/2020 2:50:45 PM



#50
Toluene-d8
Concen: 53.544 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	98	Resp	404402
Ion	Ratio	Lower	Upper
98	100		
100	65.6	51.4	77.2





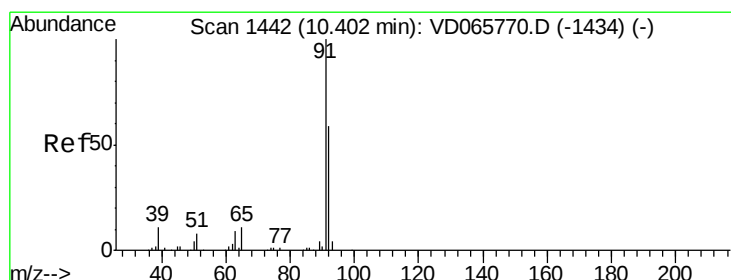
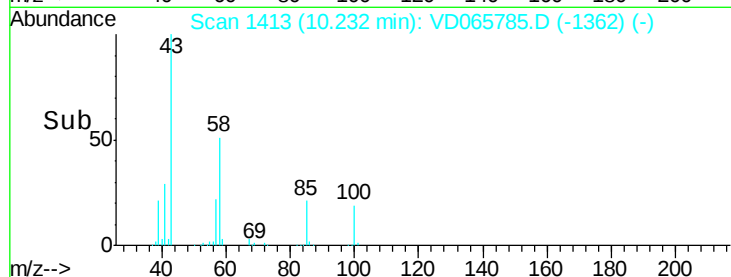
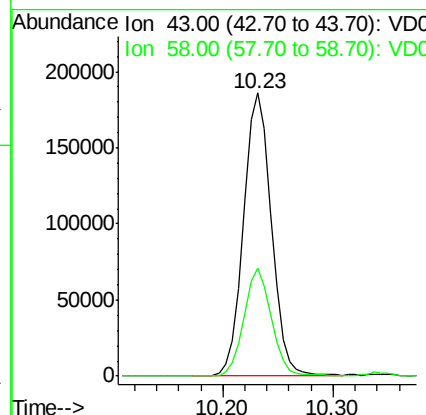
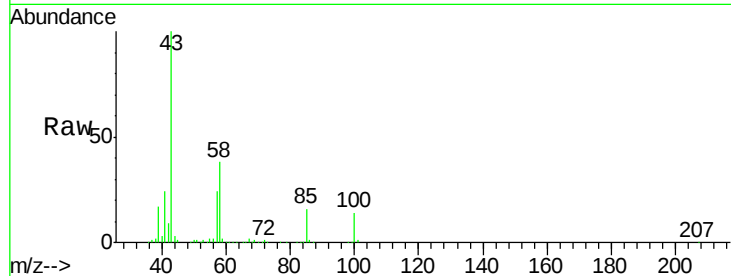
#51
4-Methyl-2-Pentanone
Concen: 281.353 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.7	46.1

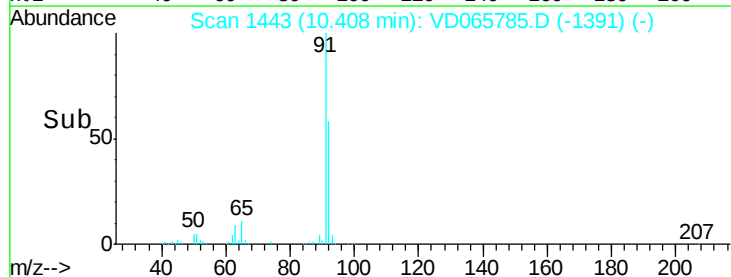
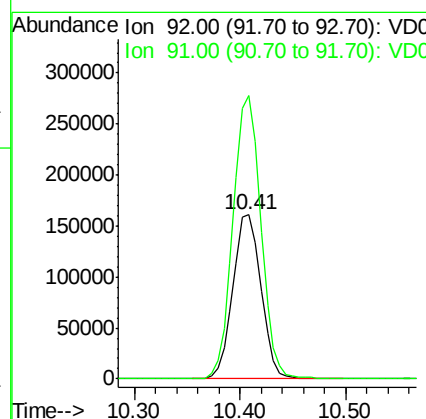
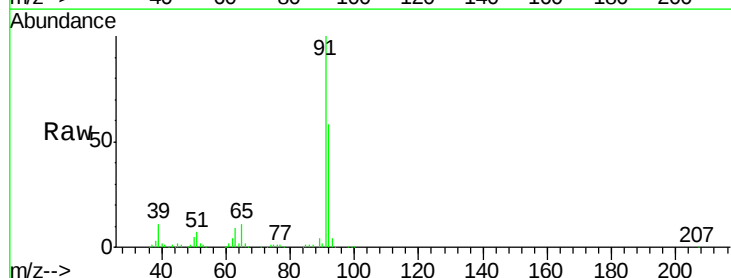
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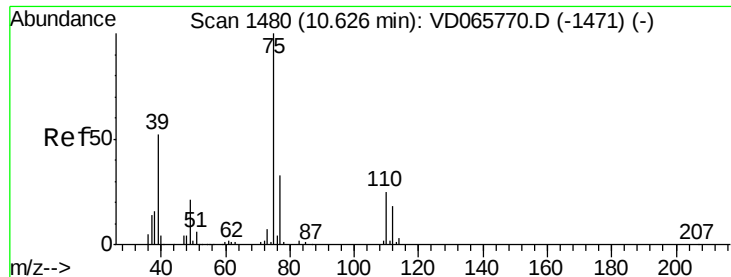
MMDadoda
6/9/2020 2:50:45 PM



#52
Toluene
Concen: 54.272 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.8	206.8





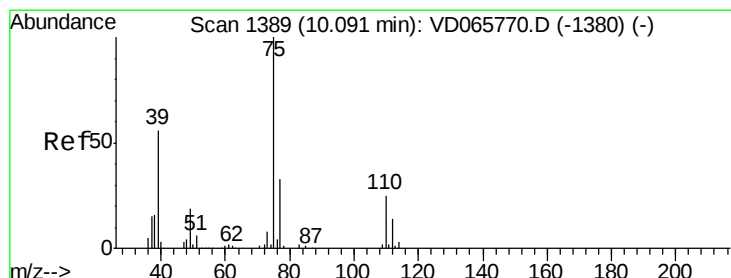
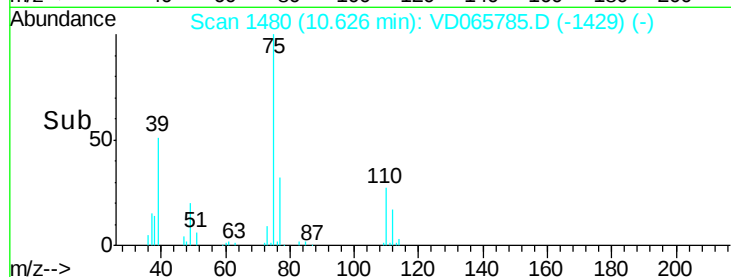
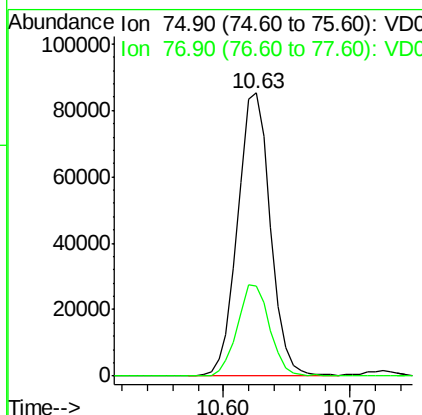
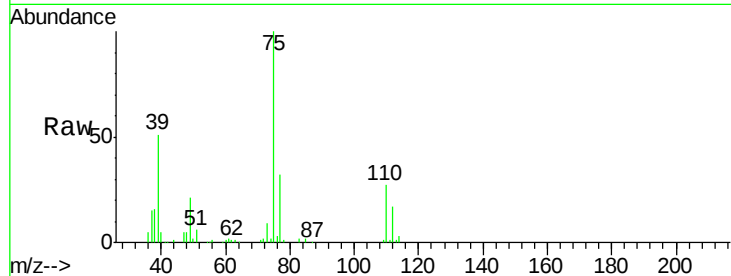
#53
t-1,3-Dichloropropene
Concen: 55.011 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.4	39.6

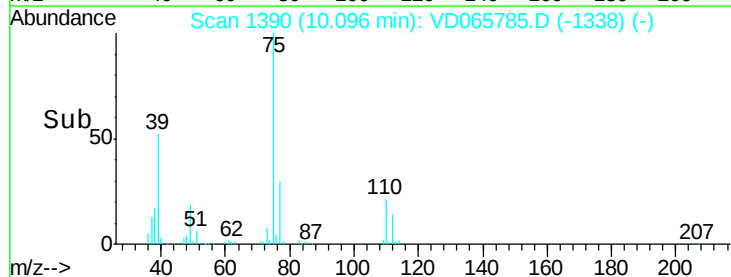
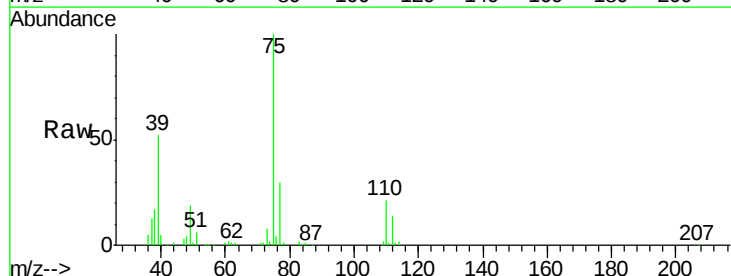
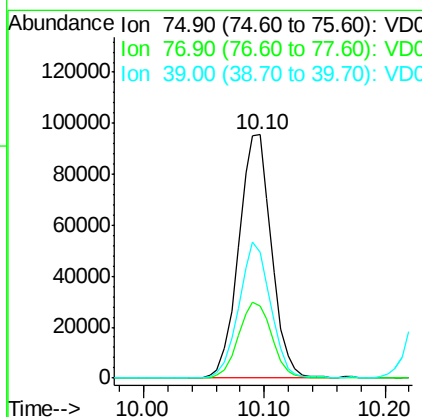
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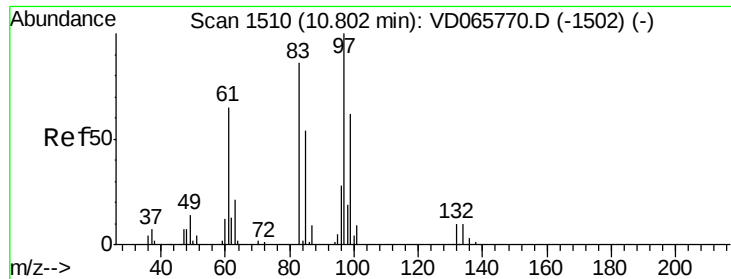
MMDadoda
6/9/2020 2:50:45 PM



#54
cis-1,3-Dichloropropene
Concen: 55.185 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.8	26.0	39.0
39	51.8	45.0	67.6





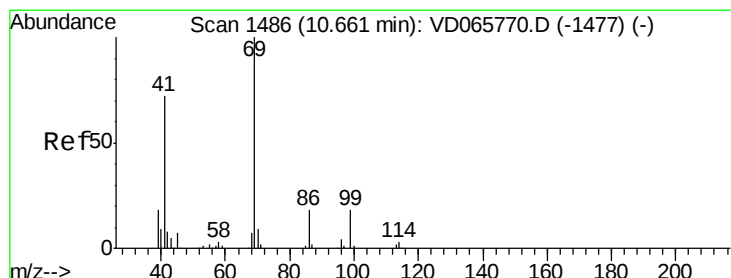
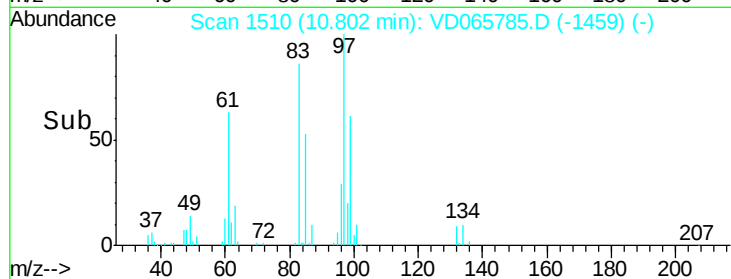
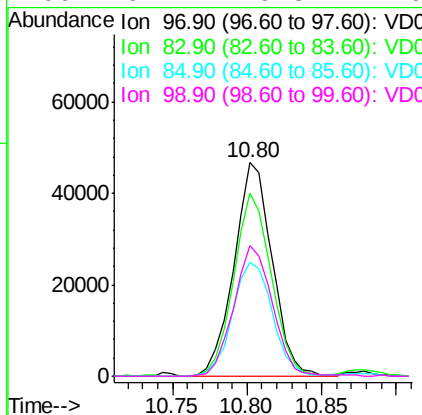
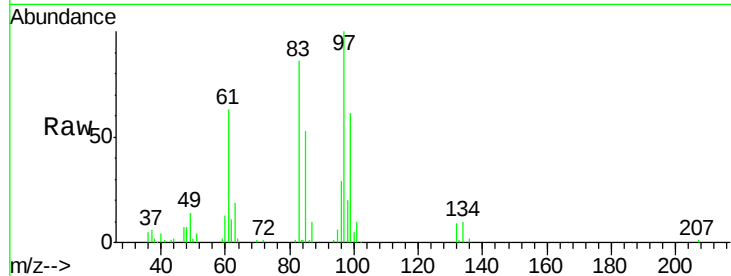
#55
 1,1,2-Trichloroethane
 Concen: 54.344 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065785.D
 Acq: 08 Jun 2020 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.6	68.7	103.1
85	53.2	43.0	64.6
99	61.1	49.8	74.6

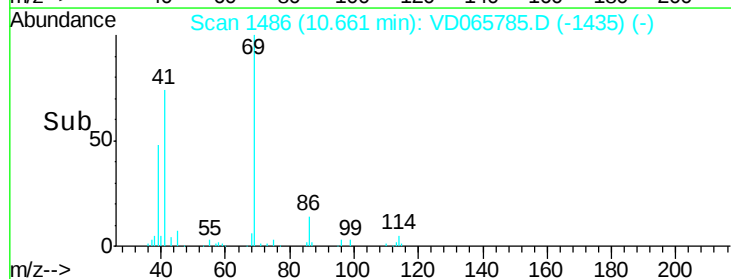
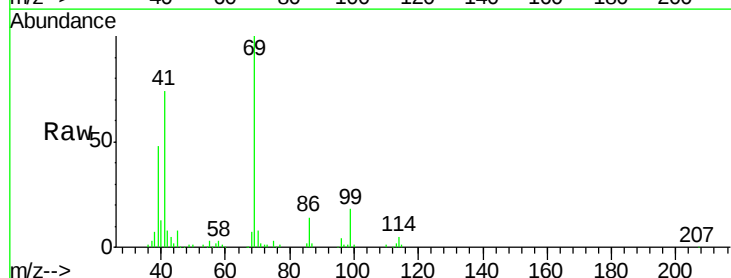
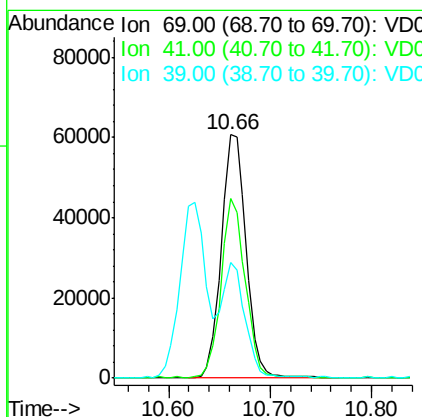
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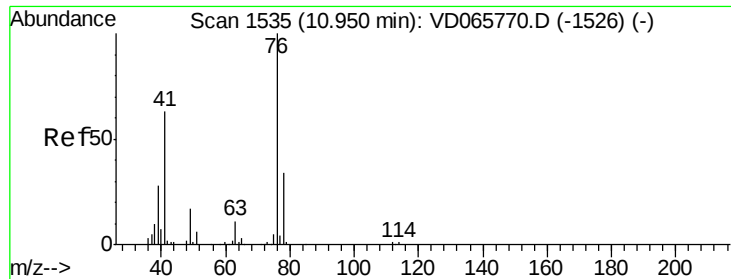
MMDadoda
 6/9/2020 2:50:45 PM



#56
 Ethyl methacrylate
 Concen: 57.414 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD065785.D
 Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.3	56.9	85.3
39	44.5	36.0	54.0





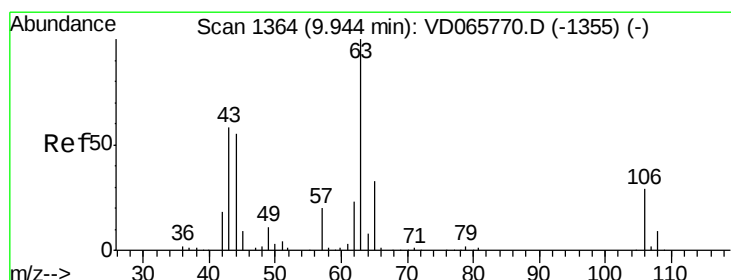
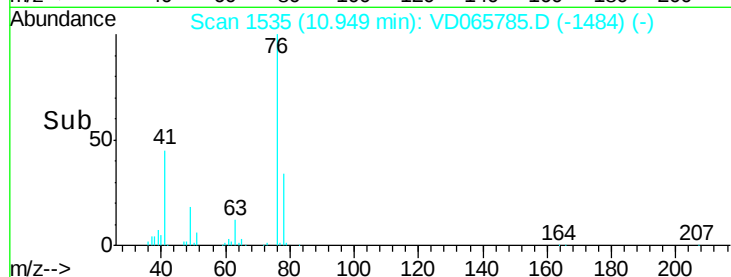
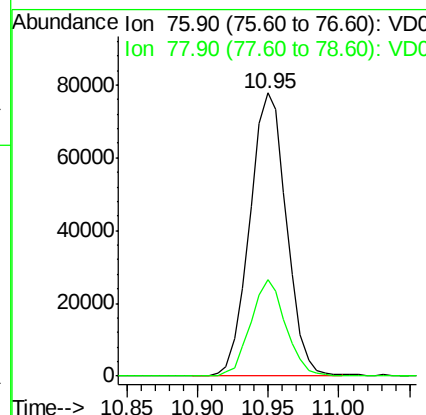
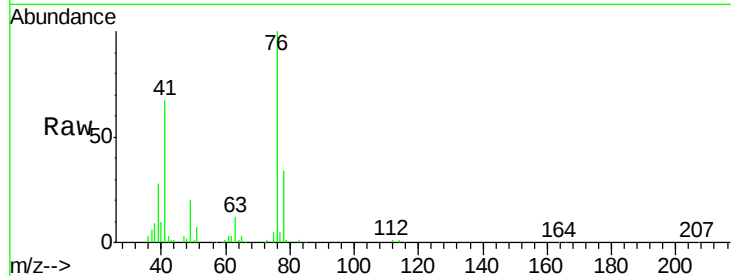
#57
 1,3-Dichloropropane
 Concen: 53.601 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065785.D
 Acq: 08 Jun 2020 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 141989
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.3 39.5

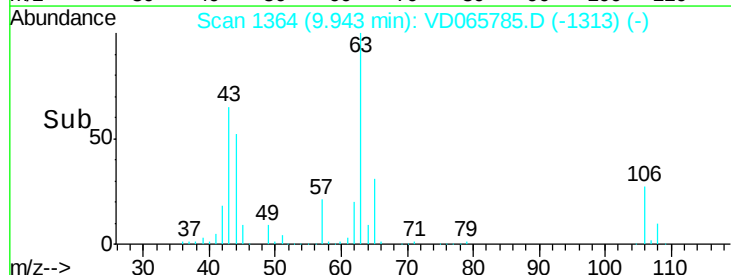
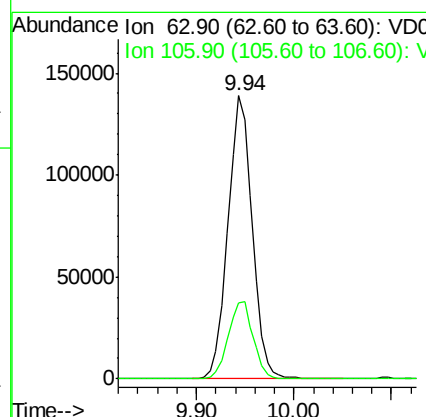
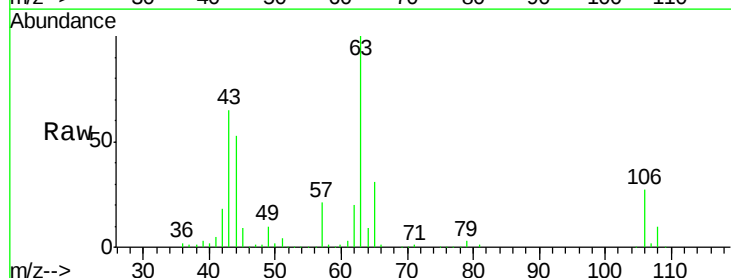
Manual Integrations
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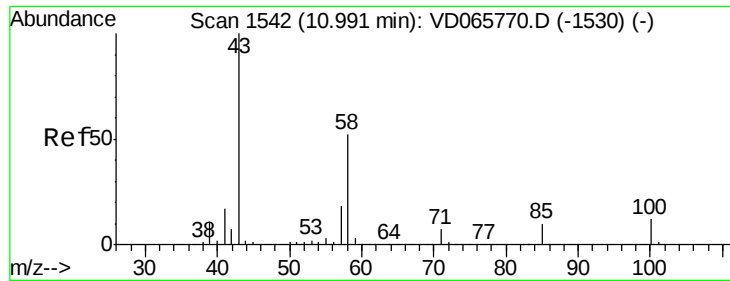
MMDadoda
 6/9/2020 2:50:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.359 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065785.D
 Acq: 08 Jun 2020 17:20

Tgt Ion: 63 Resp: 239431
 Ion Ratio Lower Upper
 63 100
 106 28.1 23.2 34.8





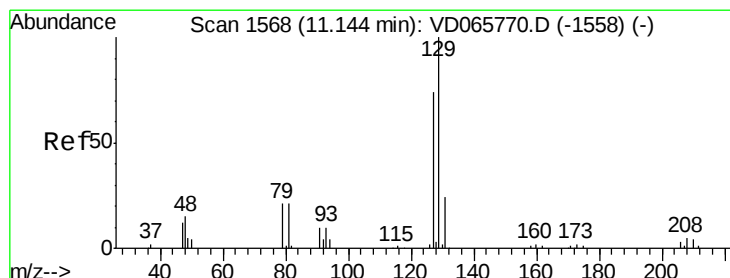
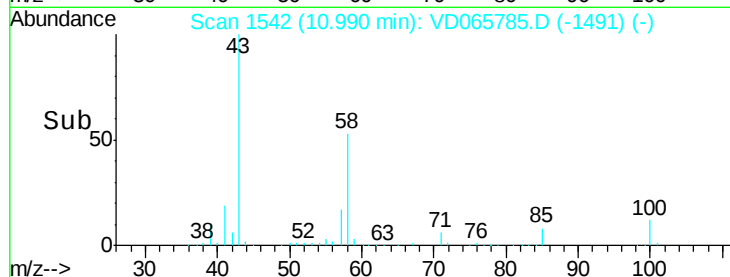
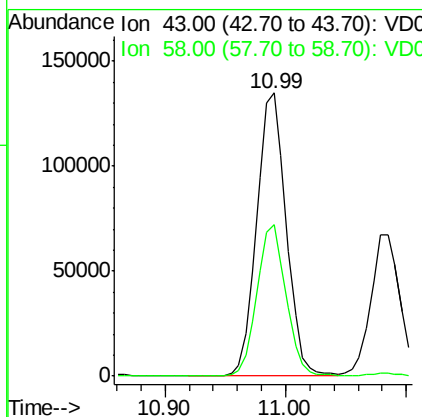
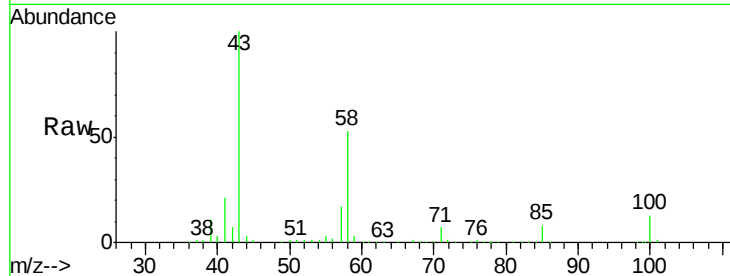
#59
2-Hexanone
Concen: 288.652 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 229422
Ion Ratio Lower Upper
43 100
58 52.5 25.7 77.0

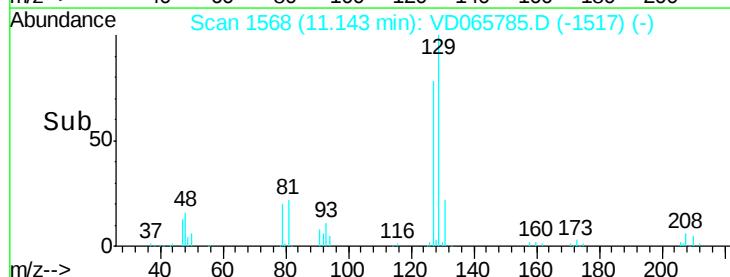
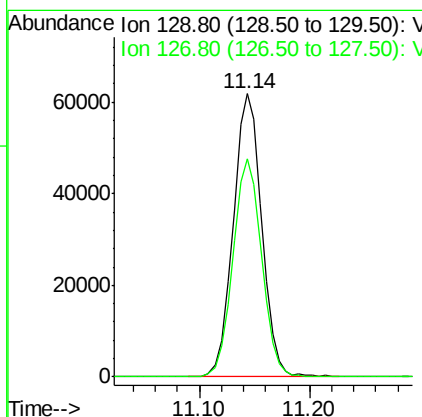
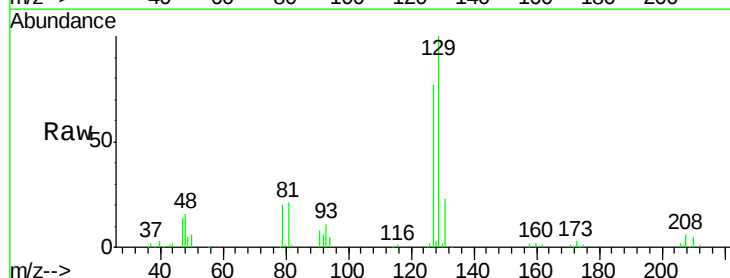
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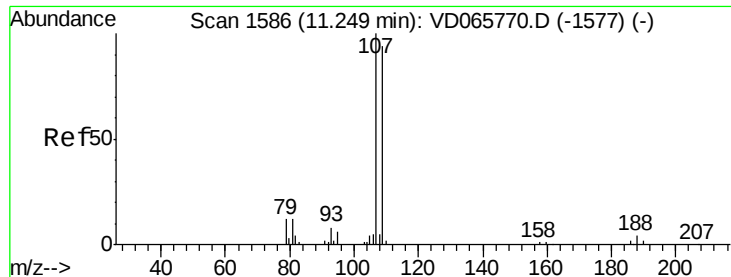
MMDadoda
6/9/2020 2:50:45 PM



#60
Dibromochloromethane
Concen: 54.082 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion: 129 Resp: 111709
Ion Ratio Lower Upper
129 100
127 77.8 38.0 113.9





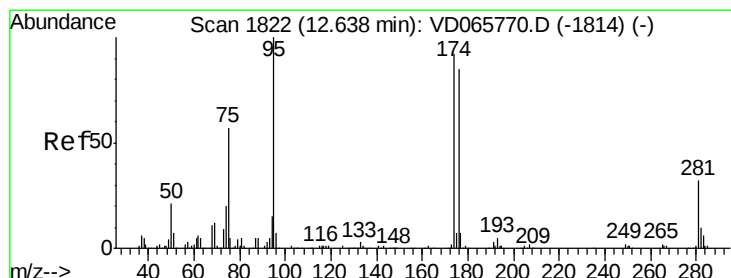
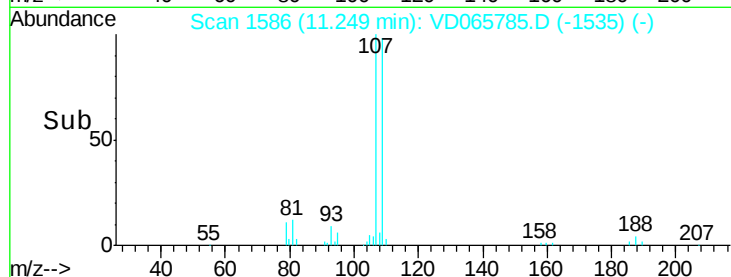
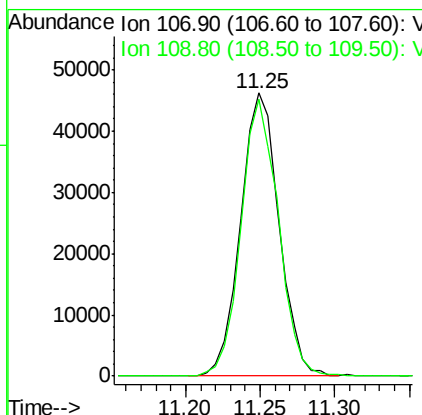
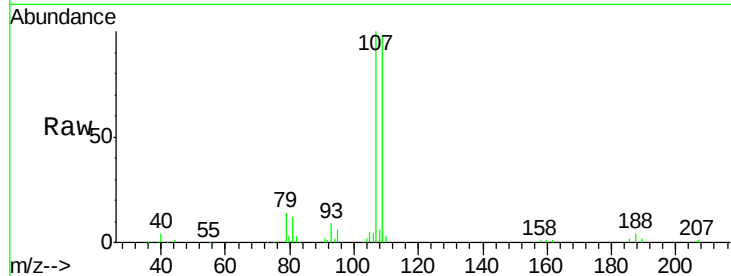
#61
 1,2-Dibromoethane
 Concen: 54.757 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065785.D
 Acq: 08 Jun 2020 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 82280
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.4 111.6

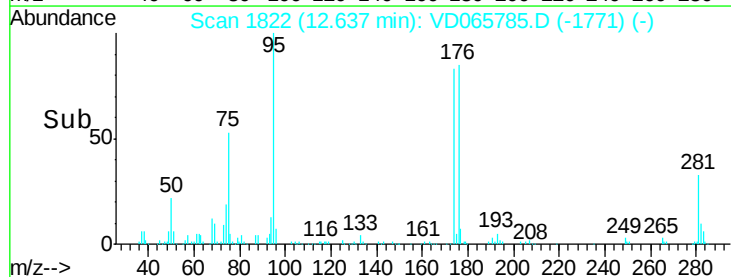
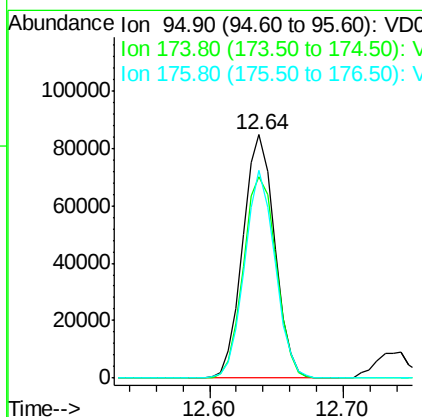
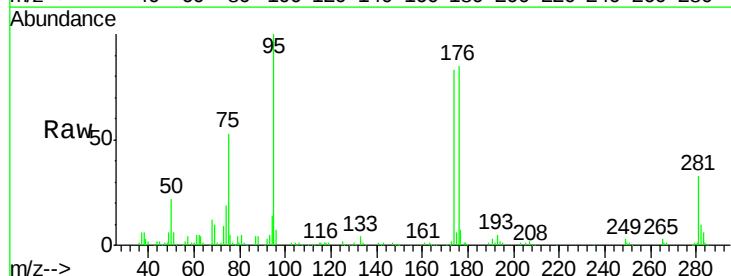
Manual Integrations
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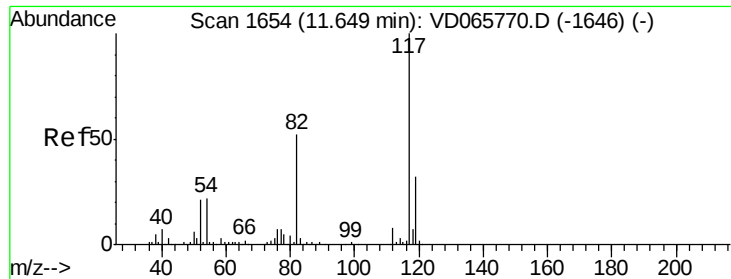
MMDadoda
 6/9/2020 2:50:45 PM



#62
 4-Bromofluorobenzene
 Concen: 54.461 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065785.D
 Acq: 08 Jun 2020 17:20

Tgt Ion: 95 Resp: 139493
 Ion Ratio Lower Upper
 95 100
 174 85.1 0.0 175.2
 176 81.3 0.0 163.0





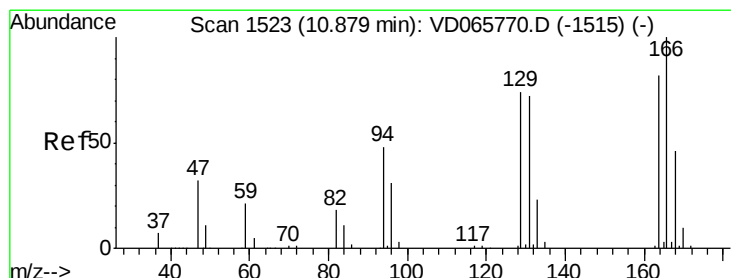
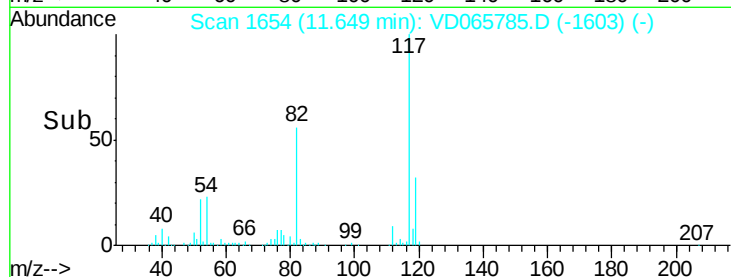
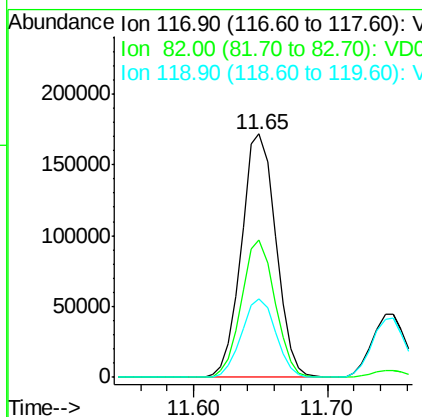
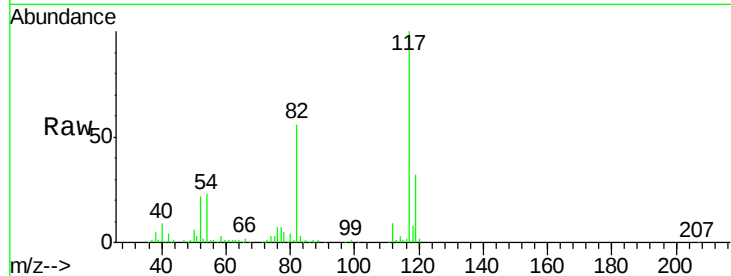
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	306339		
82	56.3		41.9	62.9
119	32.3		25.3	37.9

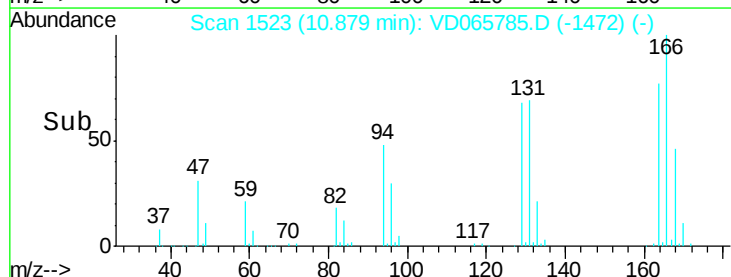
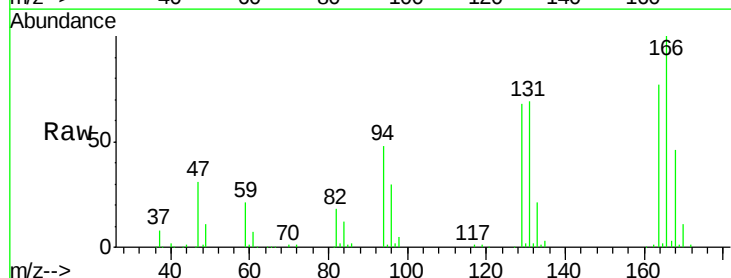
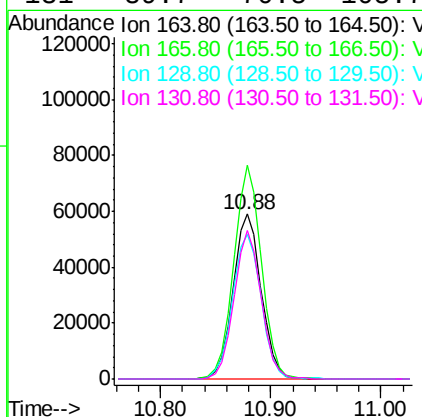
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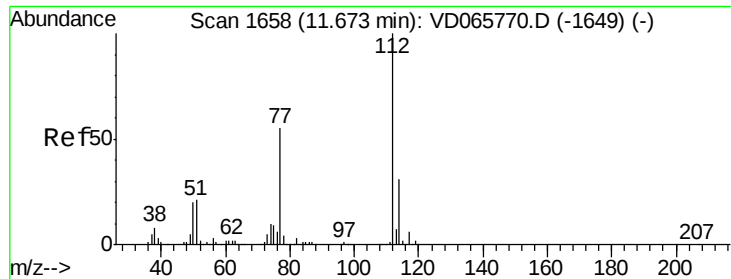
MMDadoda
6/9/2020 2:50:45 PM



#64
Tetrachloroethene
Concen: 50.915 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	105469		
166	129.4		98.2	147.2
129	87.9		72.3	108.5
131	89.7		70.5	105.7





#65

Chlorobenzene

Concen: 51.115 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 305692

Ion Ratio Lower Upper

112 100

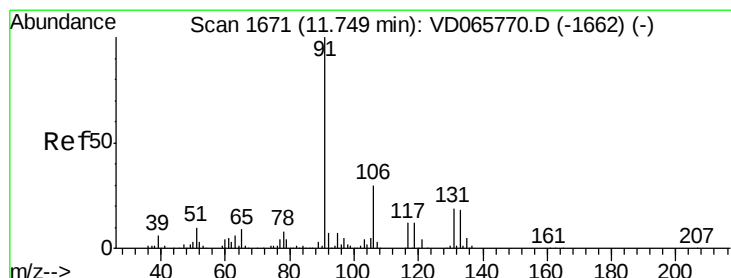
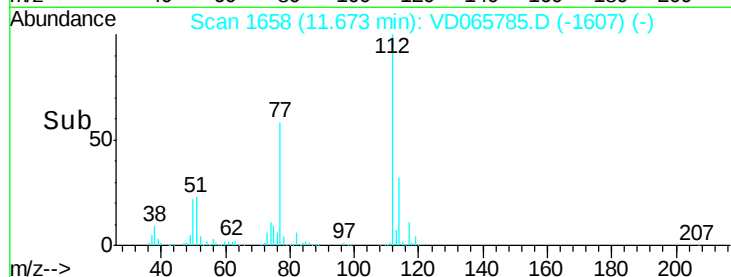
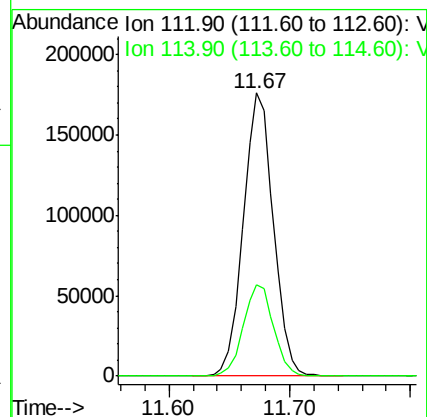
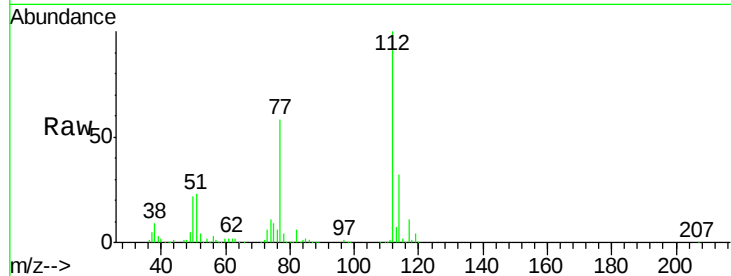
114 32.3 24.7 37.1

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 52.827 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

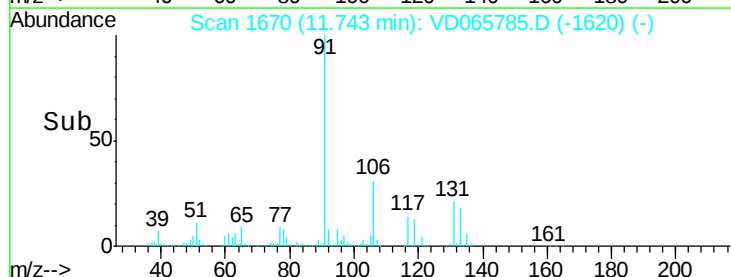
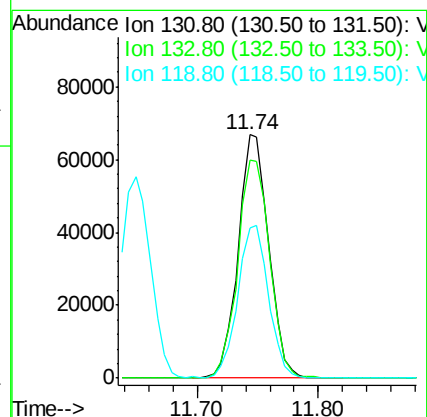
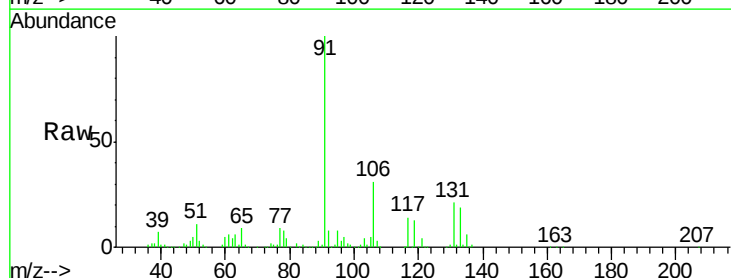
Tgt Ion:131 Resp: 117765

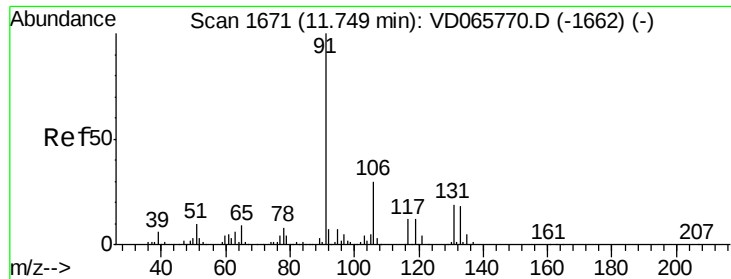
Ion Ratio Lower Upper

131 100

133 93.9 47.3 141.9

119 63.3 31.6 94.8





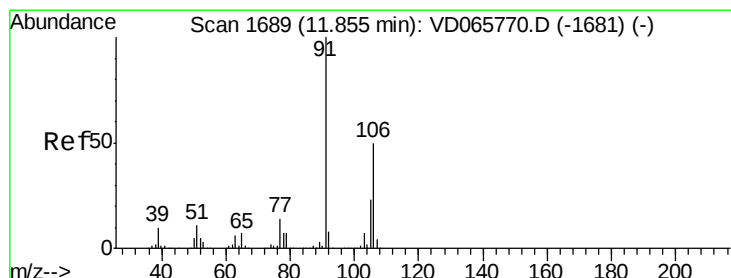
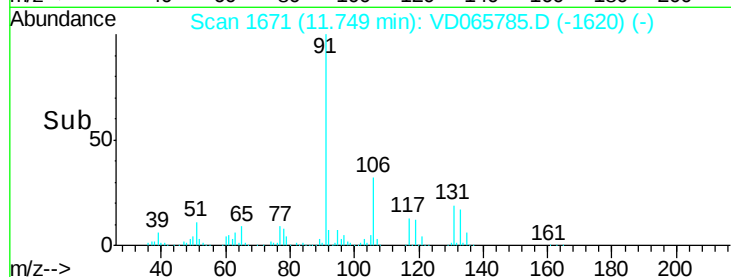
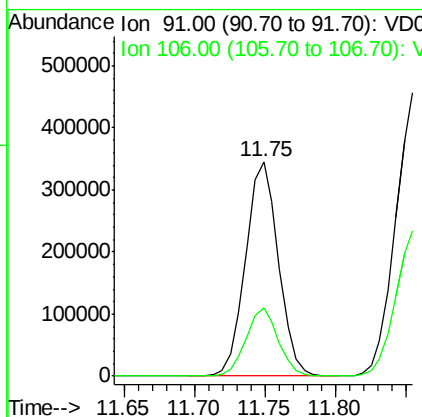
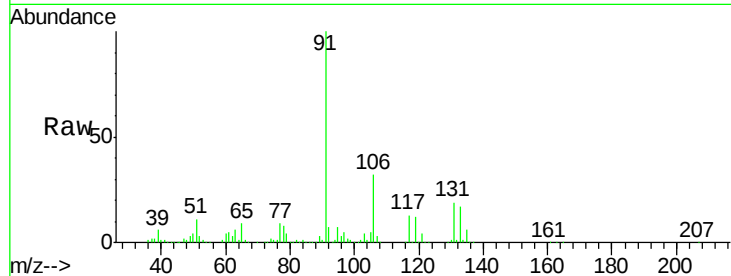
#67
Ethyl Benzene
Concen: 52.771 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 563790
Ion Ratio Lower Upper
91 100
106 31.9 24.1 36.1

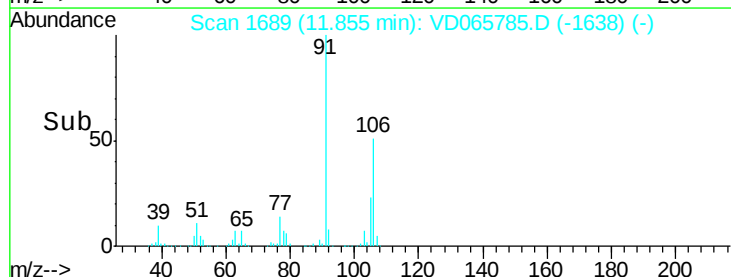
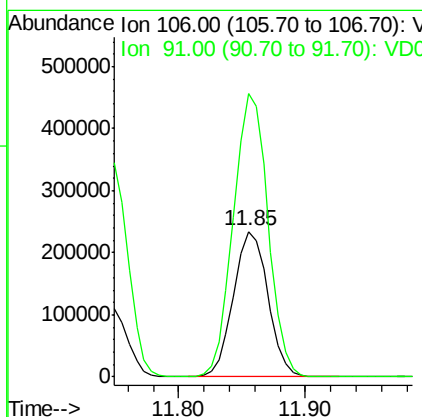
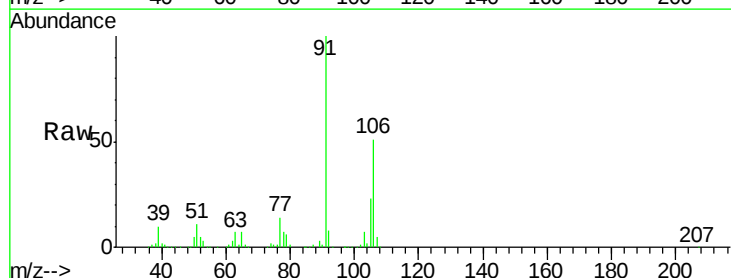
Manual Integrations
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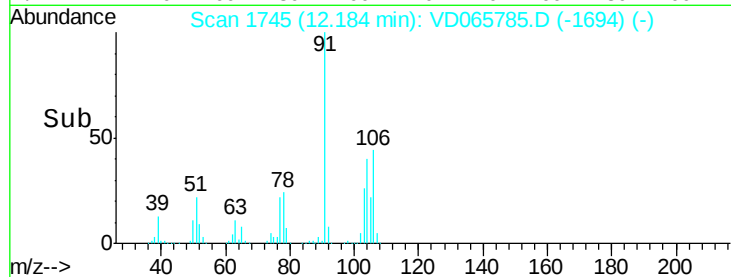
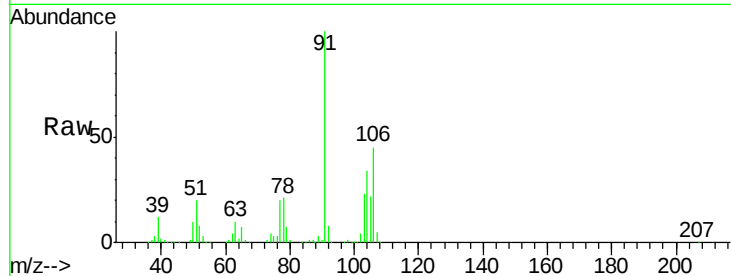
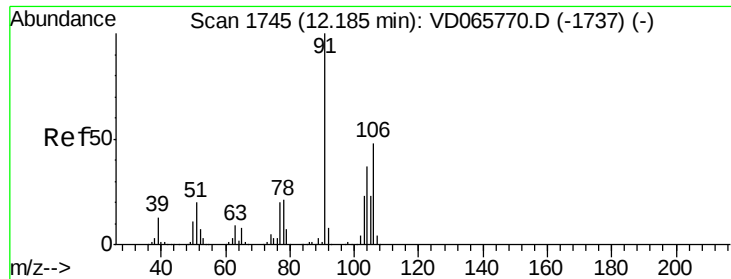
MMDadoda
6/9/2020 2:50:45 PM



#68
m/p-Xylenes
Concen: 107.397 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion: 106 Resp: 441956
Ion Ratio Lower Upper
106 100
91 195.7 159.4 239.2





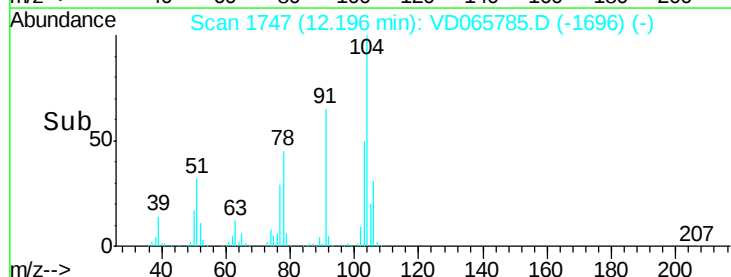
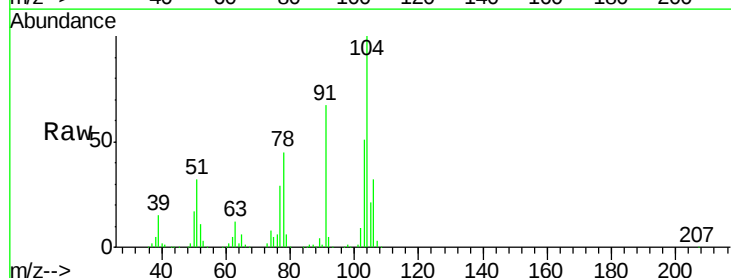
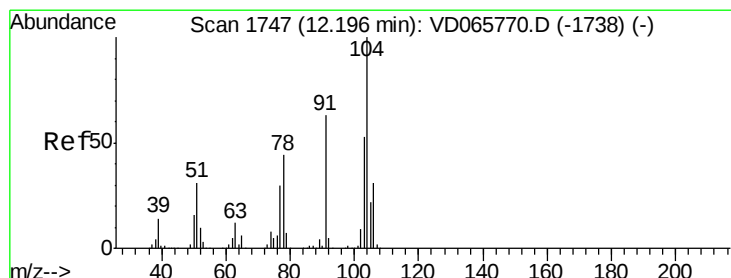
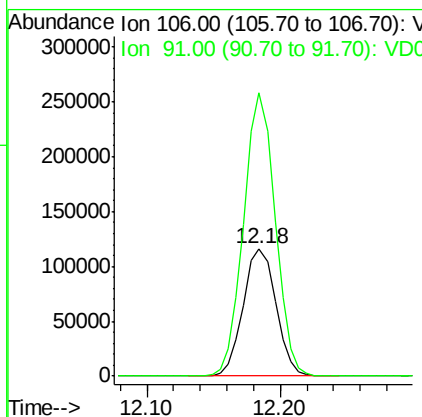
#69
o-Xylene
Concen: 53.101 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tot Ion:106 Resp: 197026
Ion Ratio Lower Upper
106 100
91 214.3 105.3 315.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

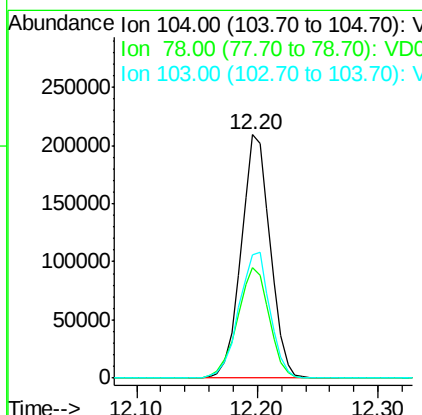
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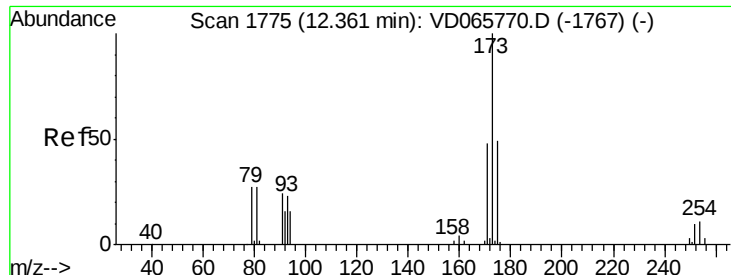
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#70
Styrene
Concen: 54.622 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion:104 Resp: 350848
Ion Ratio Lower Upper
104 100
78 49.4 38.6 58.0
103 55.5 43.9 65.9





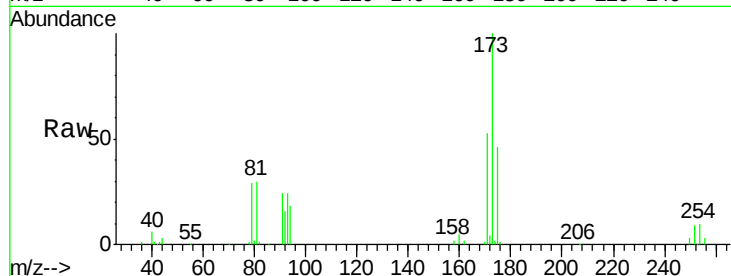
#71
Bromoform
Concen: 53.545 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

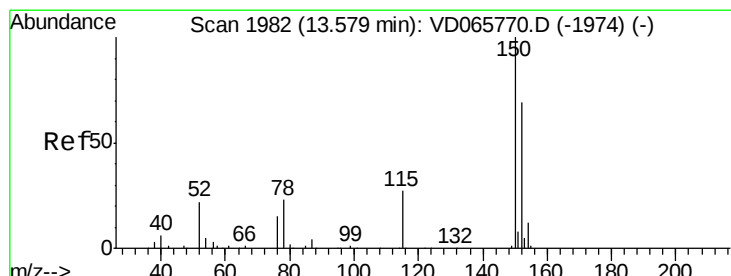
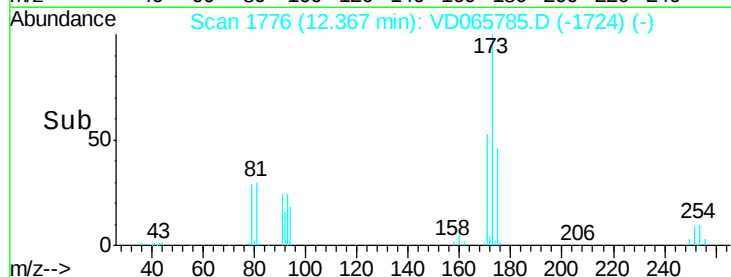
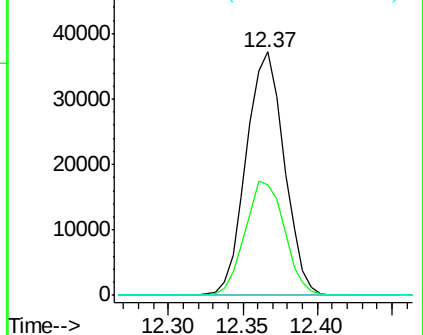
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.8	74.4
254	0.0	0.0	0.0

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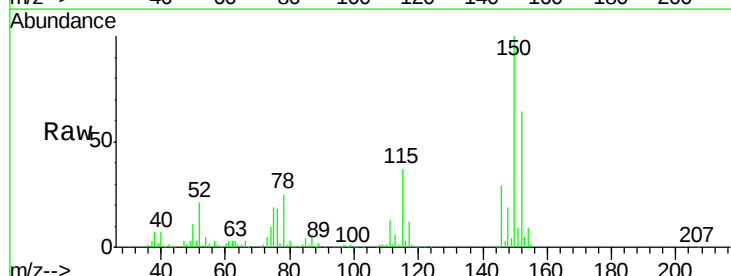


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

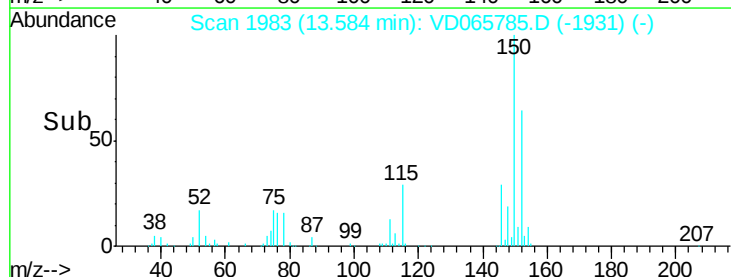
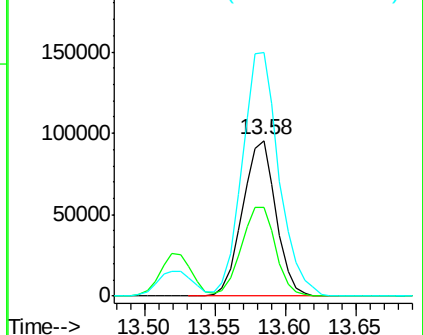


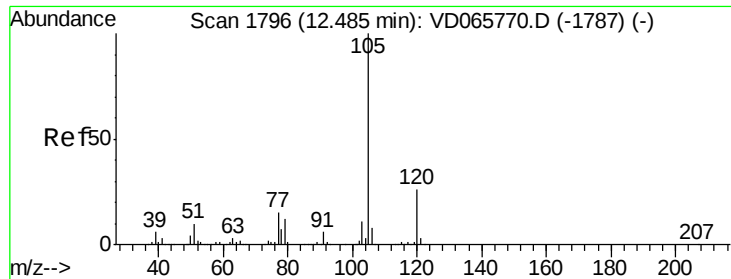
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.7	86.1
150	173.1	0.0	348.0



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: 51.710 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 547033

Ion Ratio Lower Upper

105 100

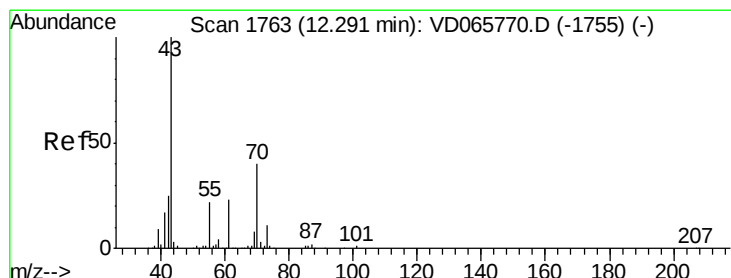
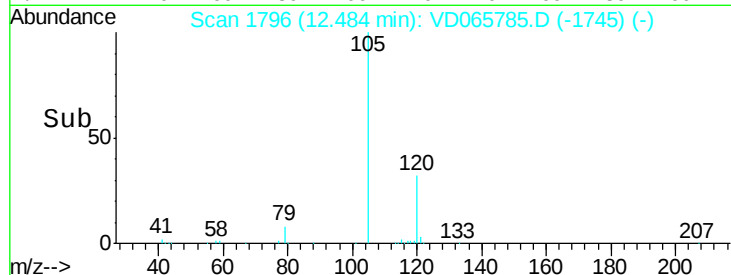
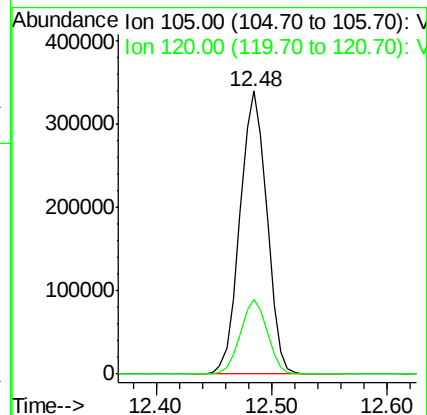
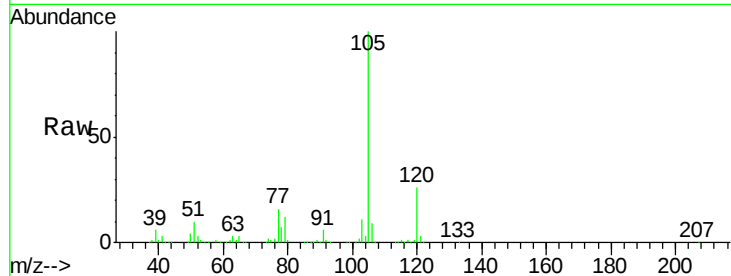
120 26.4 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.997 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Tgt Ion: 43 Resp: 127085

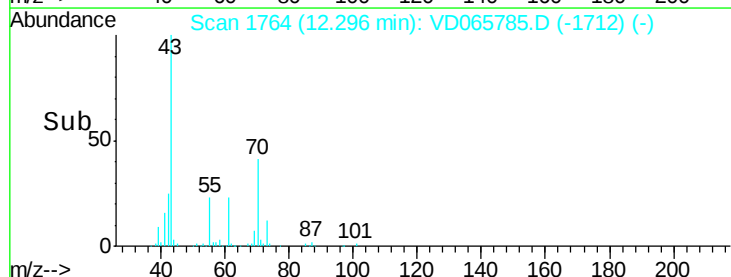
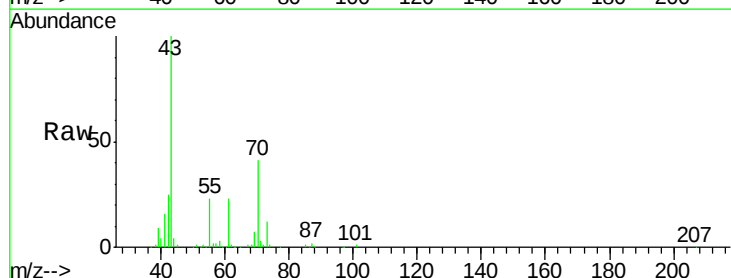
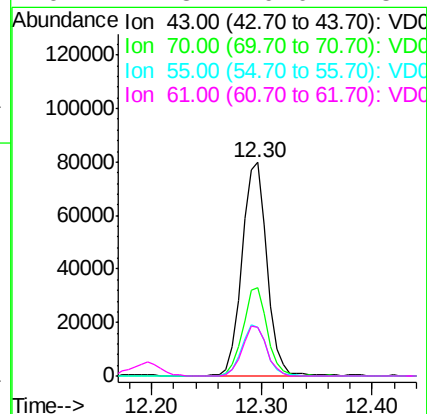
Ion Ratio Lower Upper

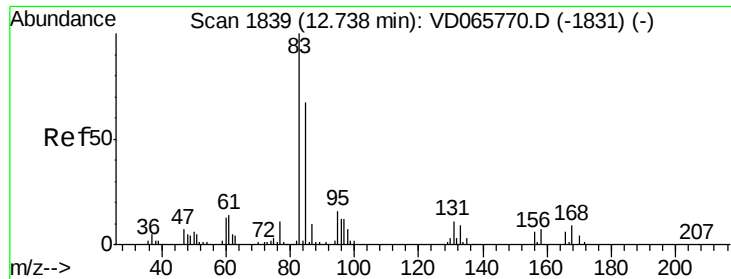
43 100

70 40.3 32.3 48.5

55 23.8 19.0 28.4

61 22.8 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.592 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

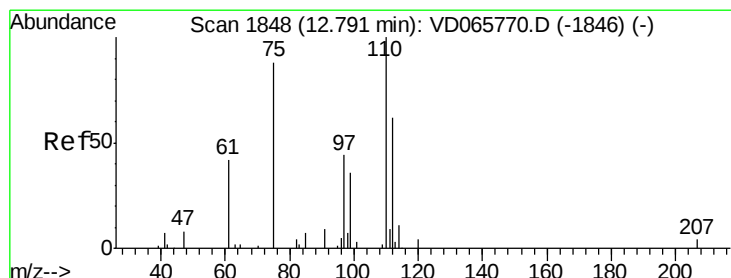
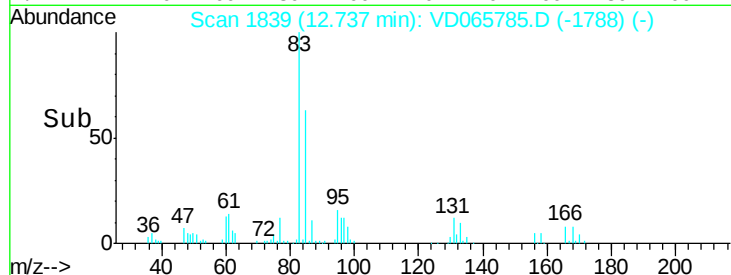
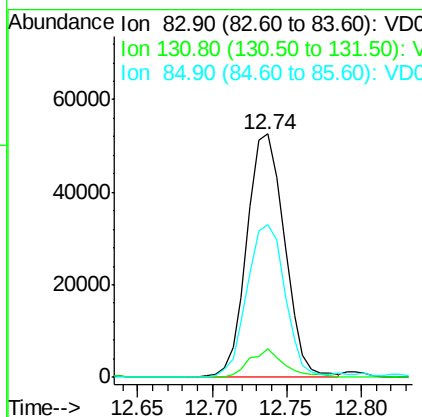
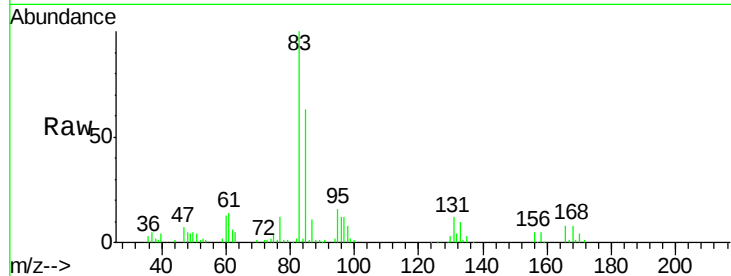
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	92175
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	63.2	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.051 ug/l m

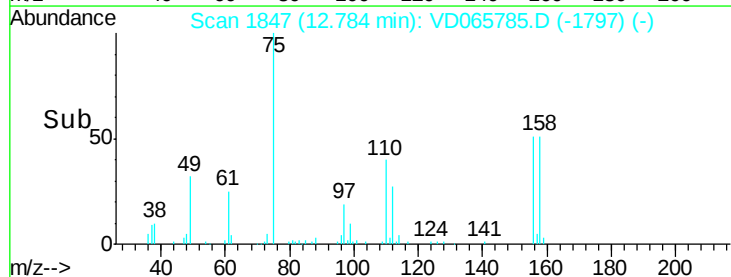
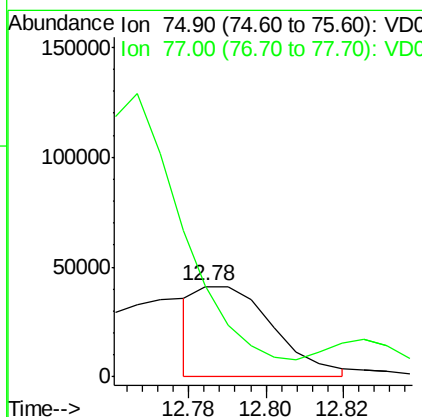
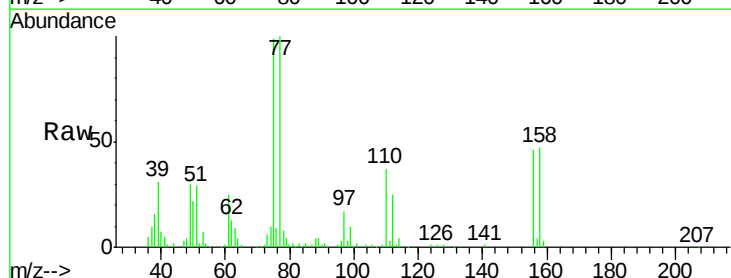
RT: 12.78 min Scan# 1847

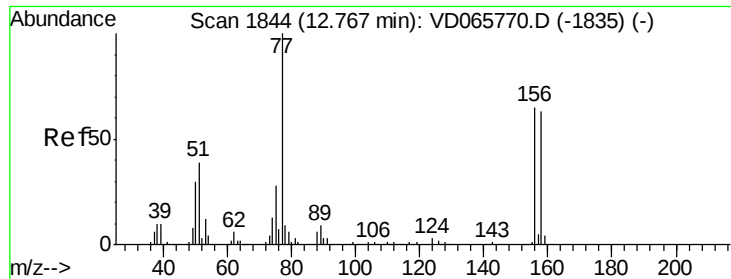
Delta R.T. -0.01 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Tgt Ion:	75	Resp:	56509
Ion Ratio	Lower	Upper	
75	100		
77	419.0	0.0	0.0#





#77

Bromobenzene

Concen: 52.632 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

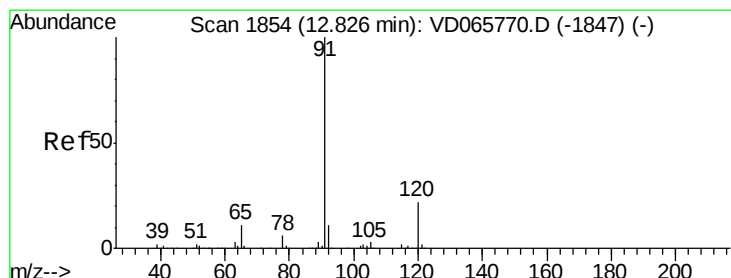
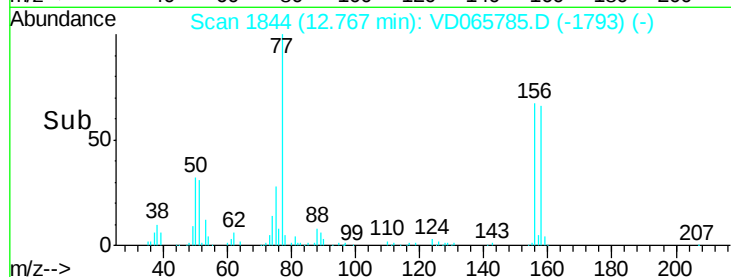
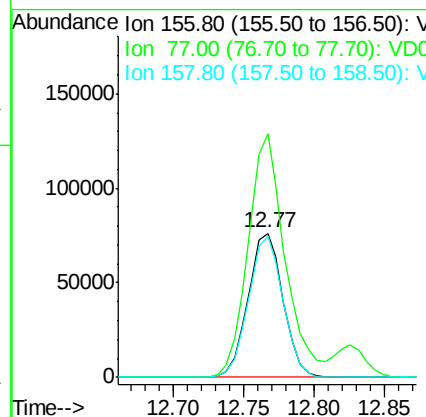
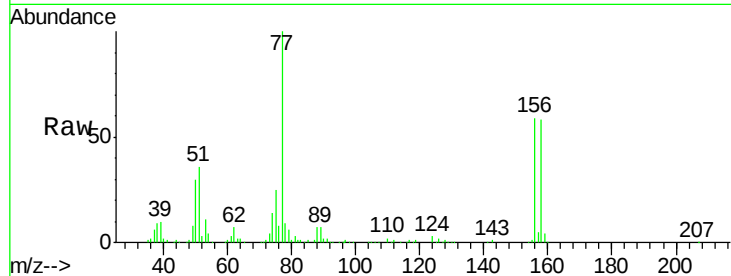
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	131737
Ion	Ratio	Lower	Upper
156	100		
77	179.7	87.3	261.8
158	96.5	48.0	144.0

Manual Integrations
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#78

n-propylbenzene

Concen: 52.289 ug/l

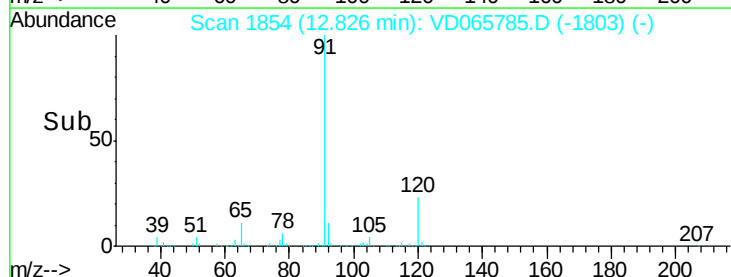
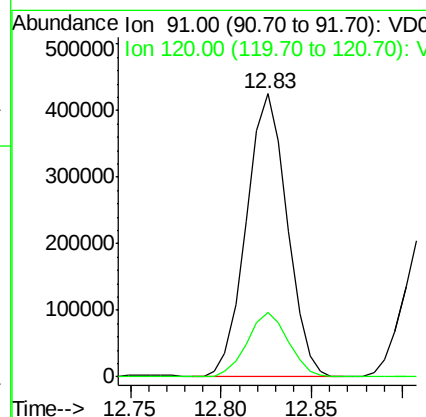
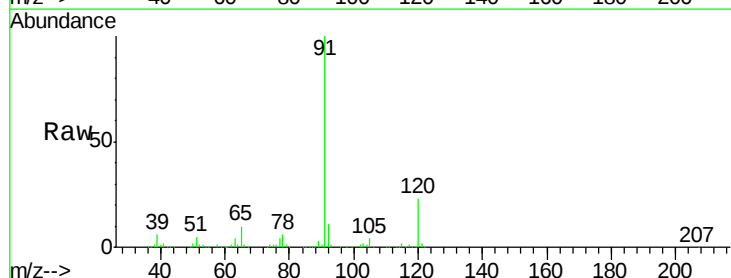
RT: 12.83 min Scan# 1854

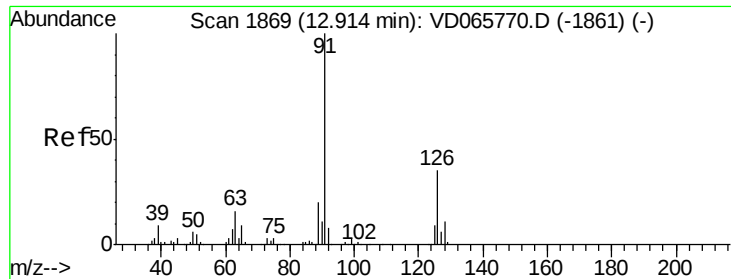
Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Tgt Ion:	91	Resp:	665842
Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.8





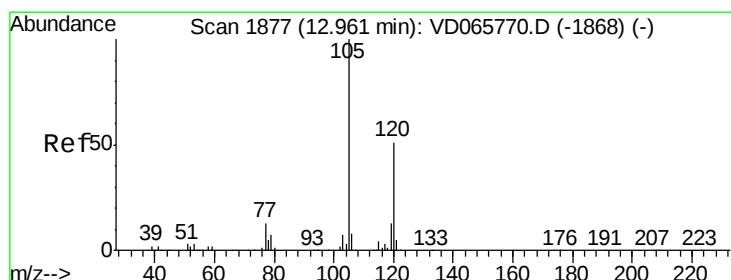
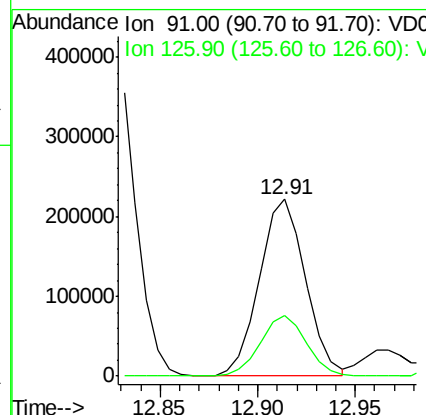
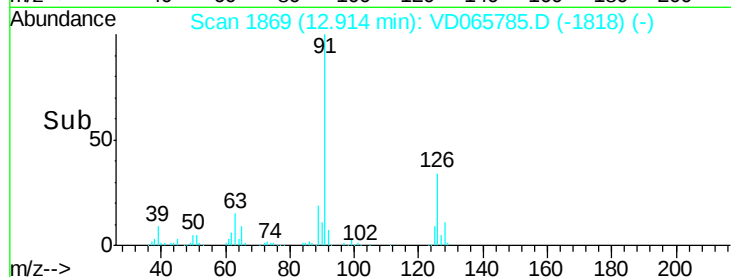
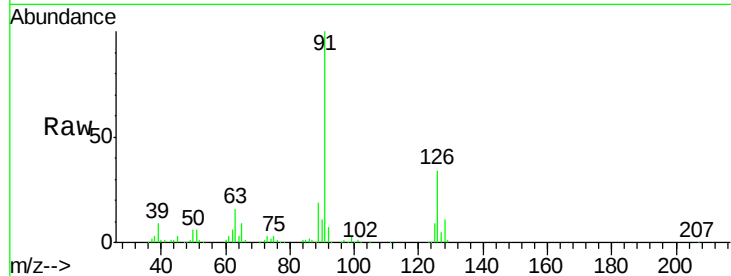
#79
2-Chlorotoluene
Concen: 51.853 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.5	52.6

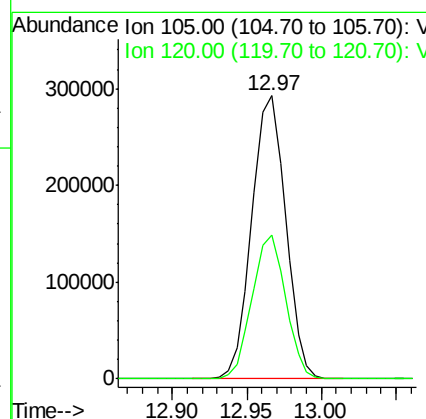
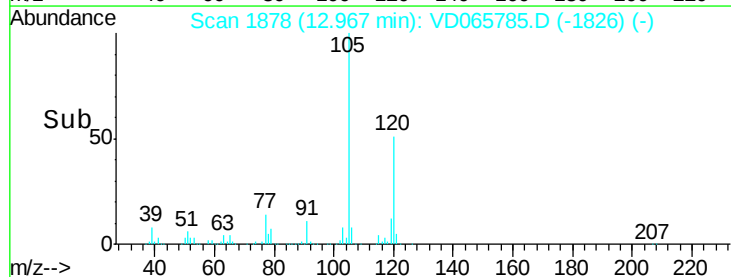
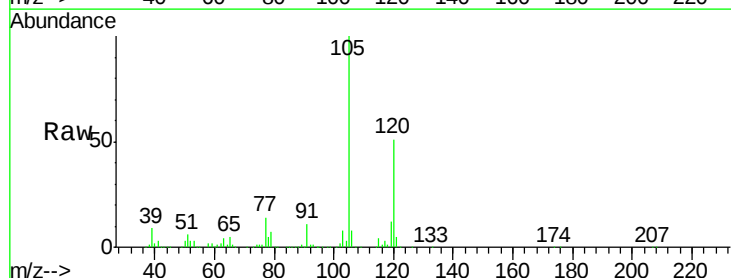
Manual Integrations
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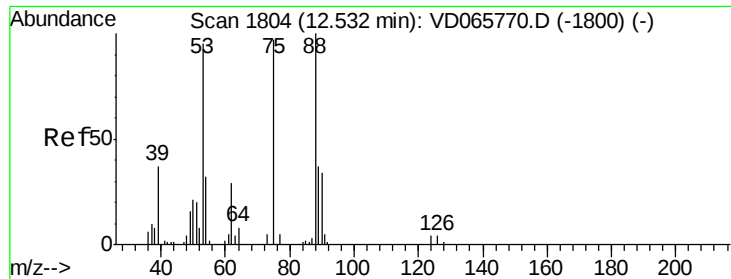
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 52.268 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.3	25.4	76.0





#81

trans-1,4-Dichloro-2-butene

Concen: 55.051 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

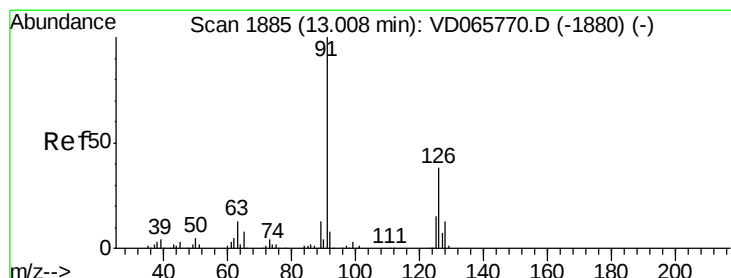
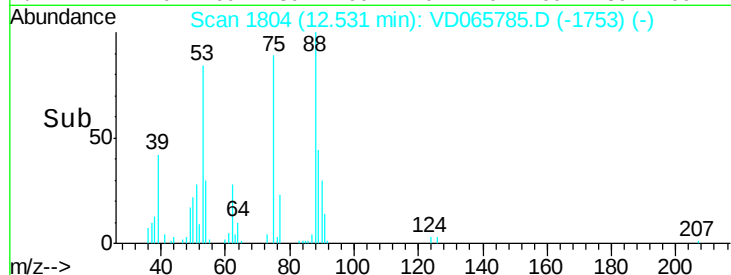
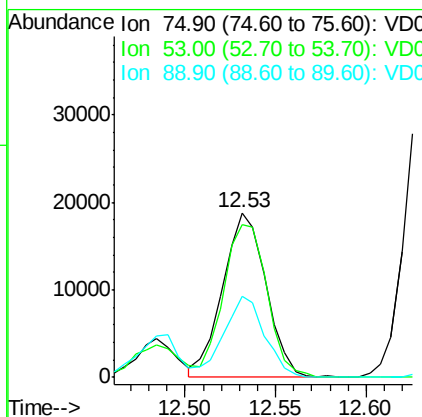
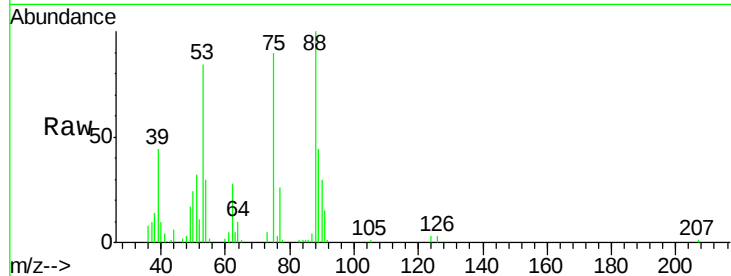
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	31266
Ion	Ratio	Lower	Upper
75	100		
53	93.1	82.6	123.8
89	46.7	35.9	53.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.822 ug/l

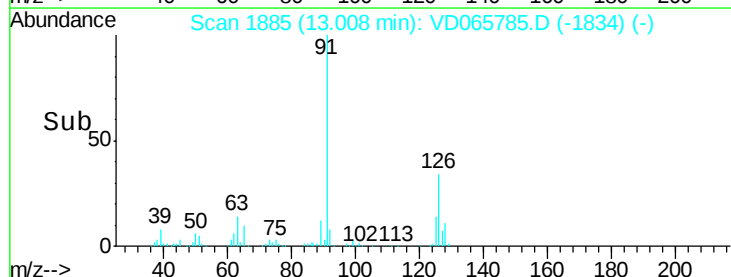
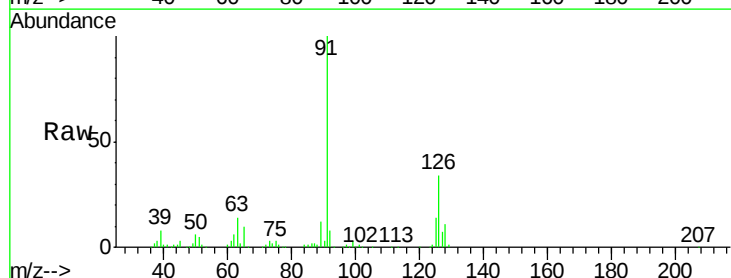
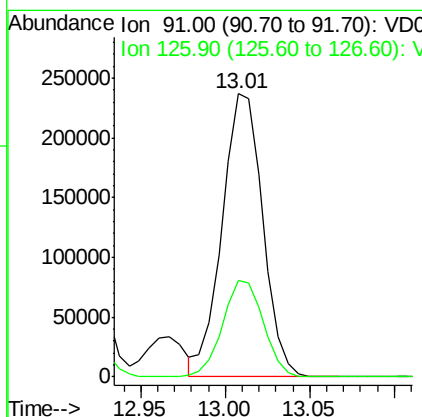
RT: 13.01 min Scan# 1885

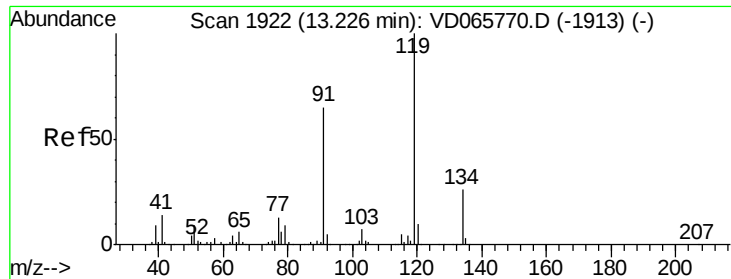
Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Tgt Ion:	91	Resp:	396067
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.6	52.8





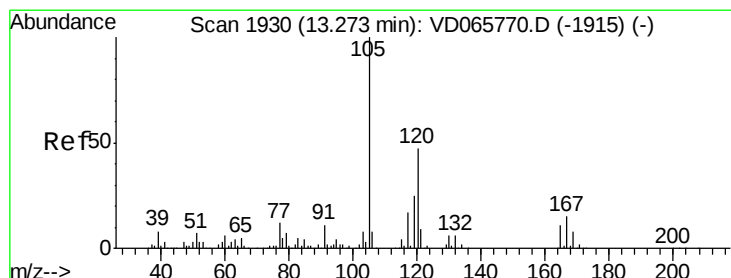
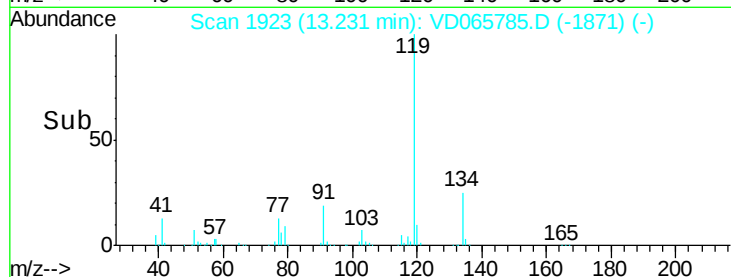
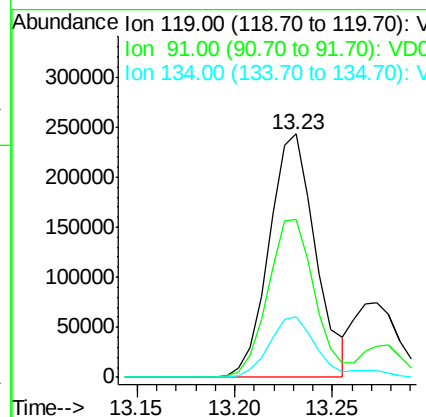
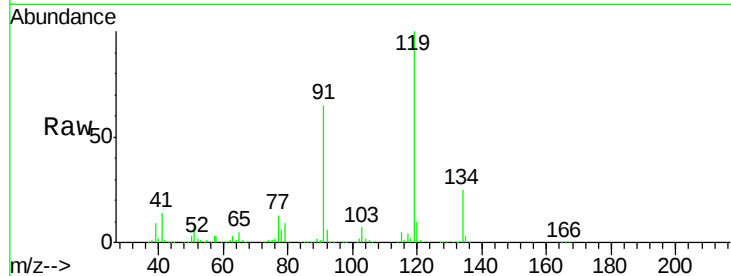
#83
tert-Butylbenzene
Concen: 52.317 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	399627		
91	64.9	32.0	96.0	
134	26.9	13.8	41.4	

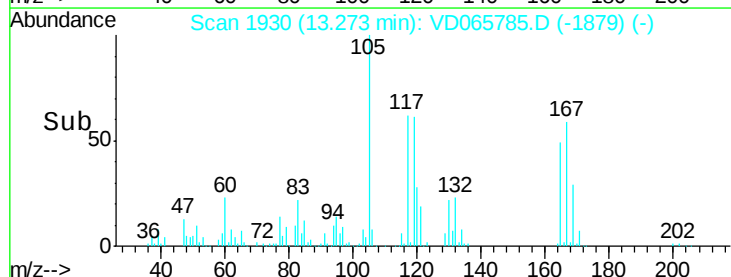
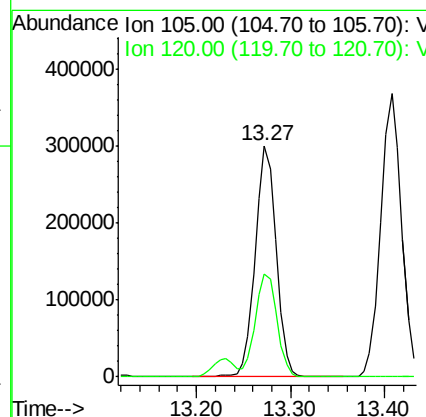
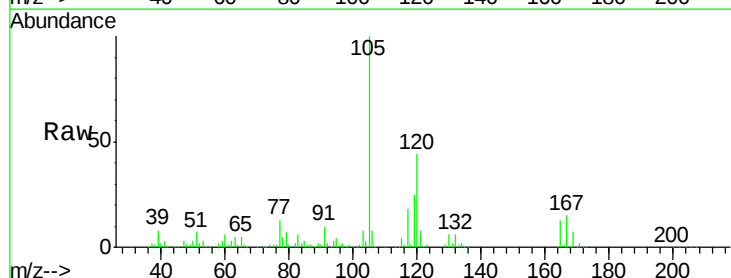
Manual Integrations
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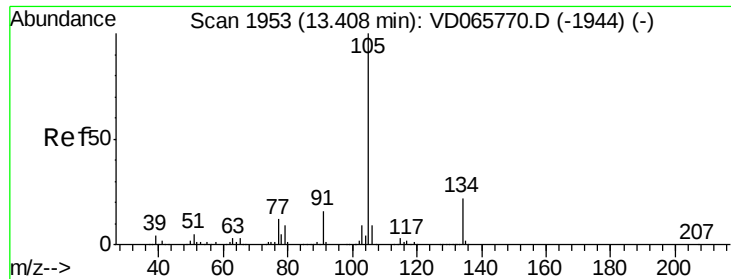
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#84
1,2,4-Trimethylbenzene
Concen: 52.996 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	466974		
120	46.3	23.3	69.8	





#85

sec-Butylbenzene

Concen: 53.177 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 565293

Ion Ratio Lower Upper

105 100

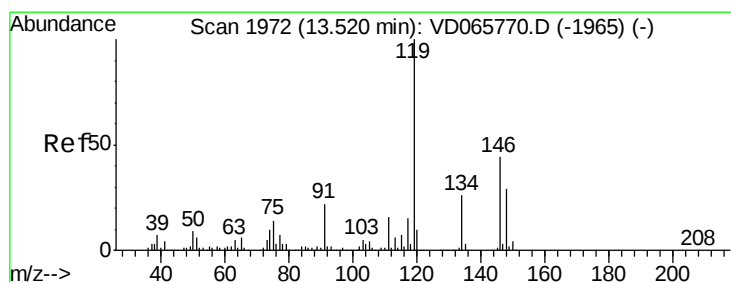
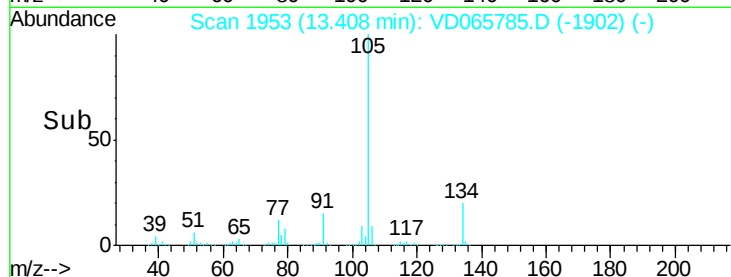
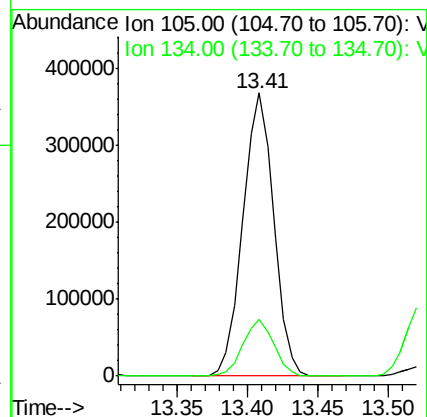
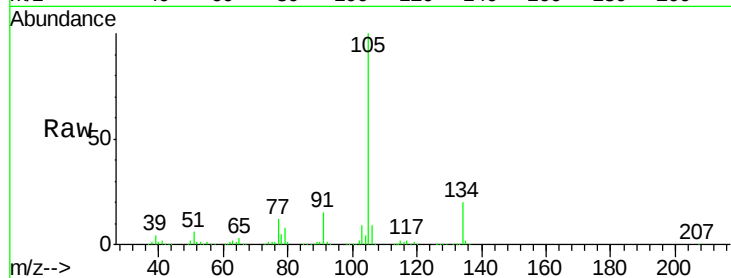
134 20.0 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.207 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

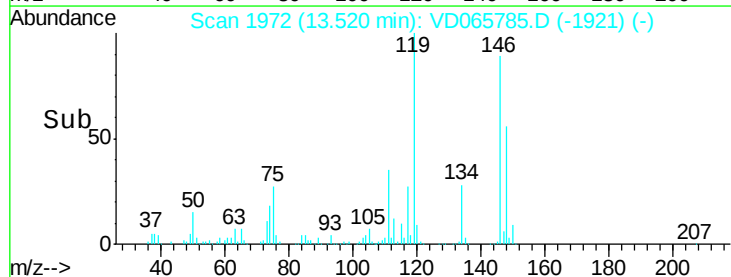
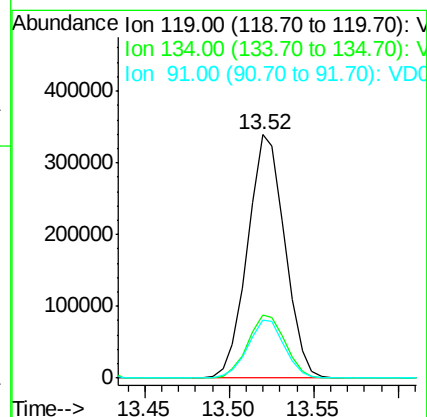
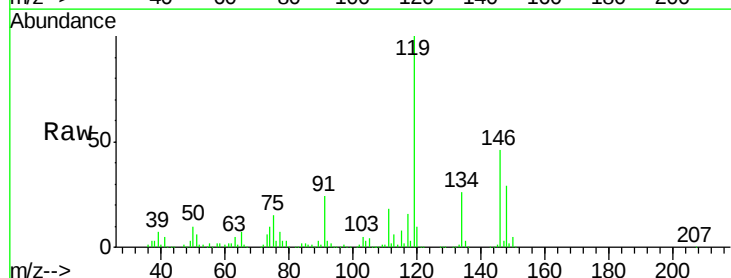
Tgt Ion:119 Resp: 518420

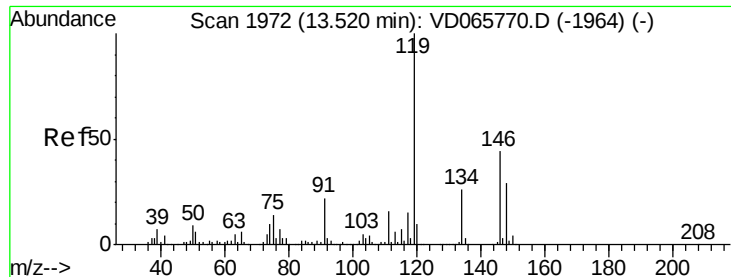
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.9

91 23.7 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 51.725 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

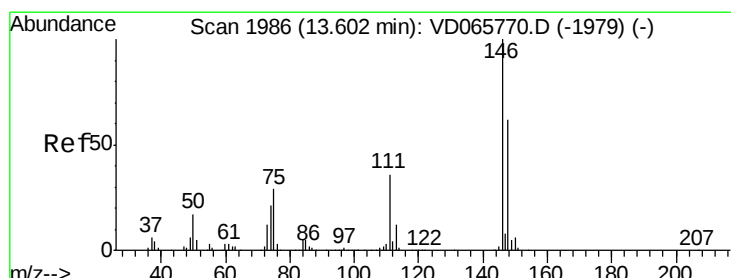
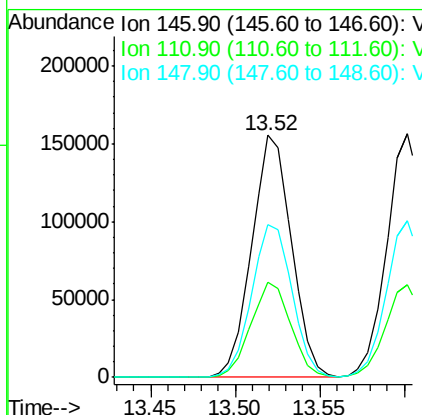
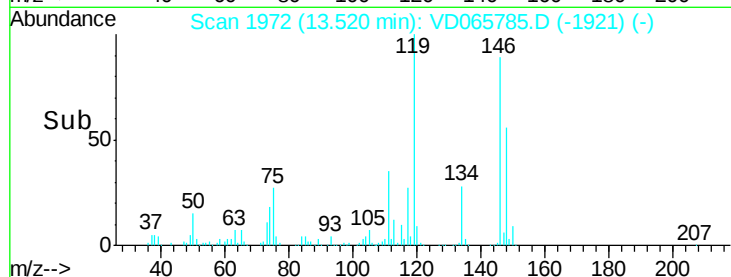
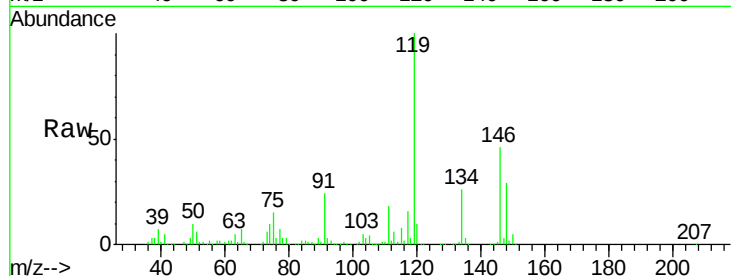
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	255272
Ion Ratio	Lower	Upper	
146	100		
111	39.4	19.2	57.6
148	63.9	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.417 ug/l

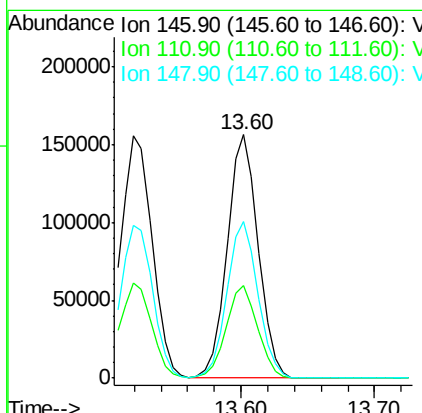
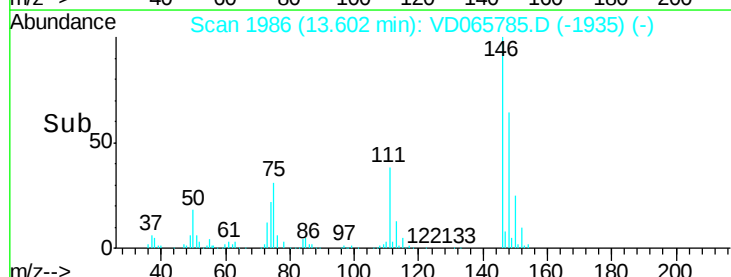
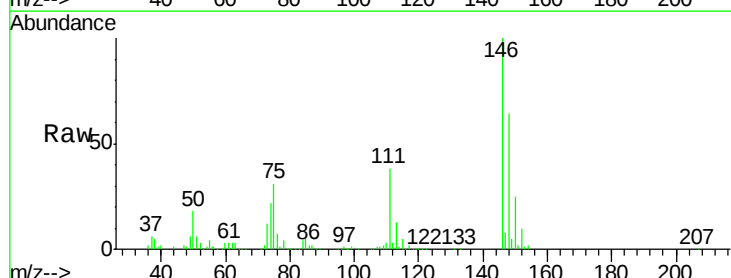
RT: 13.60 min Scan# 1986

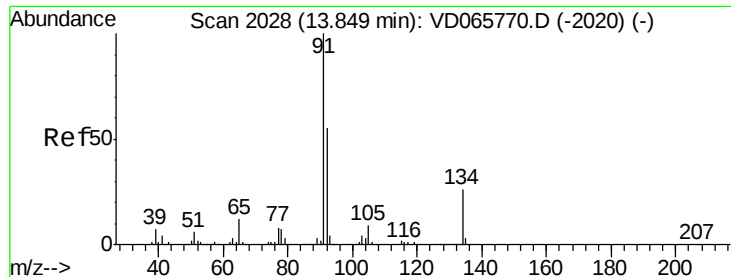
Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Tgt Ion:	146	Resp:	252419
Ion Ratio	Lower	Upper	
146	100		
111	38.7	18.9	56.7
148	64.4	31.6	94.7





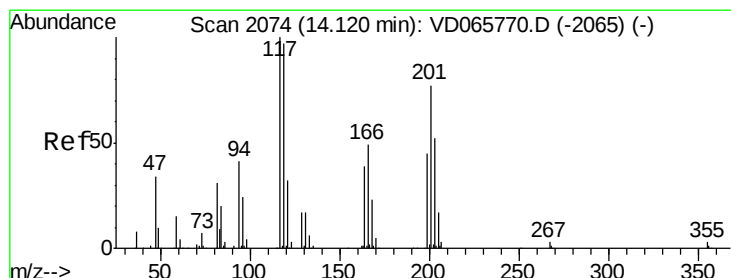
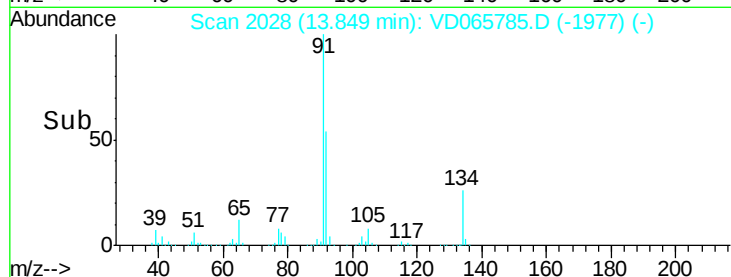
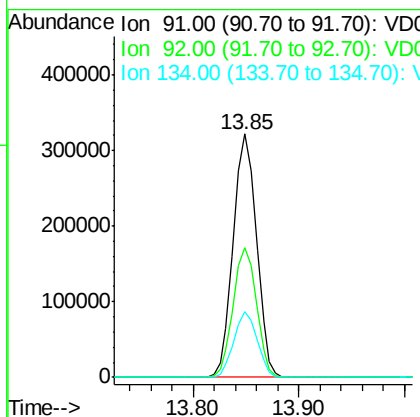
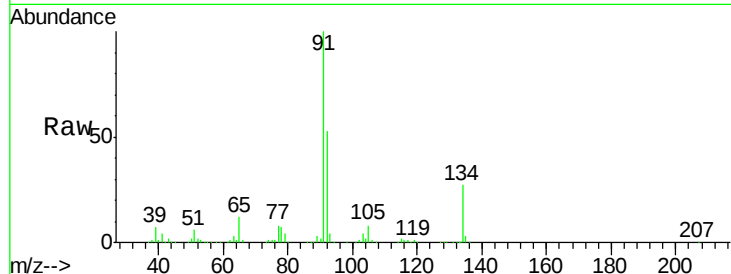
#89
n-Butylbenzene
Concen: 52.665 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	81.0
134	26.8	13.0	39.0

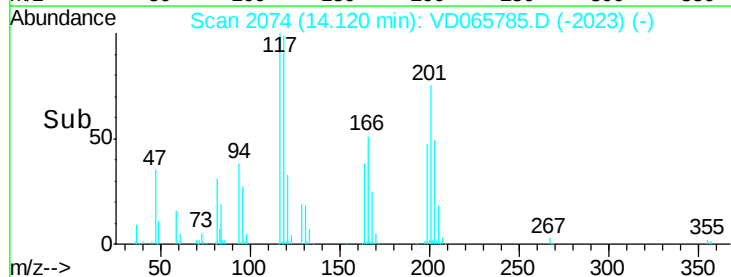
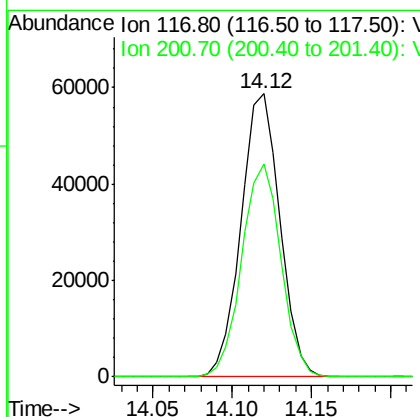
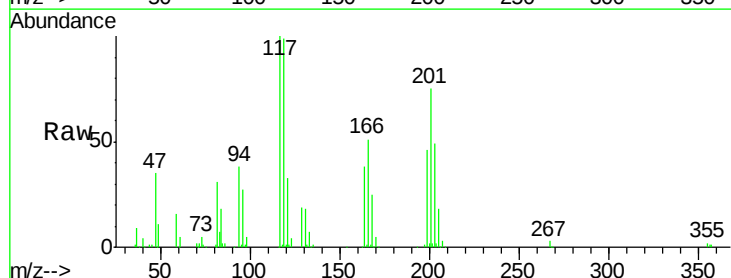
Manual Integrations
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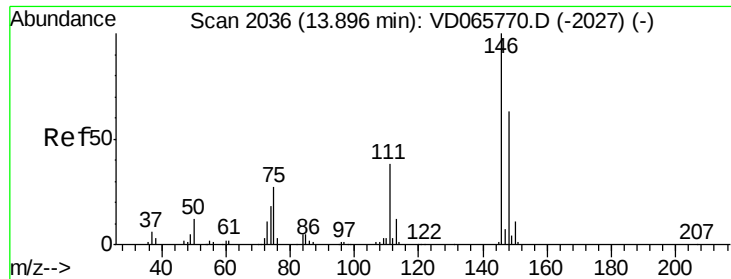
MMDadoda
6/9/2020 2:50:45 PM



#90
Hexachloroethane
Concen: 51.472 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.4	37.1	111.5





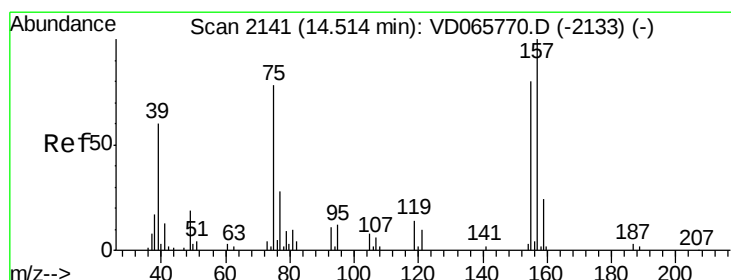
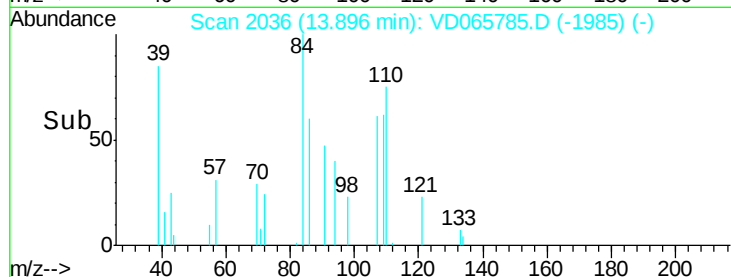
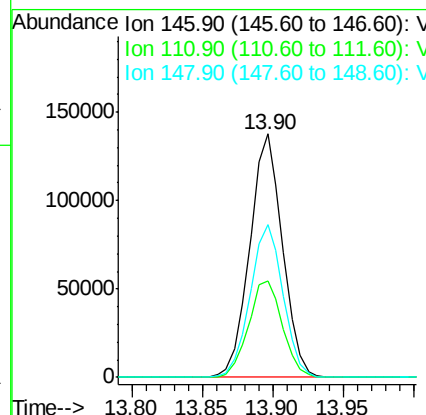
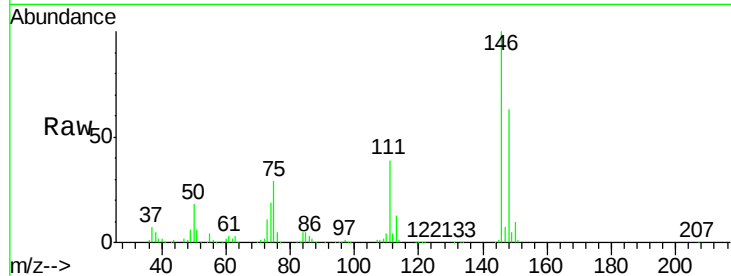
#91
 1,2-Dichlorobenzene
 Concen: 52.642 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065785.D
 Acq: 08 Jun 2020 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	223585		
111	41.1	19.8	59.4	
148	63.2	31.9	95.7	

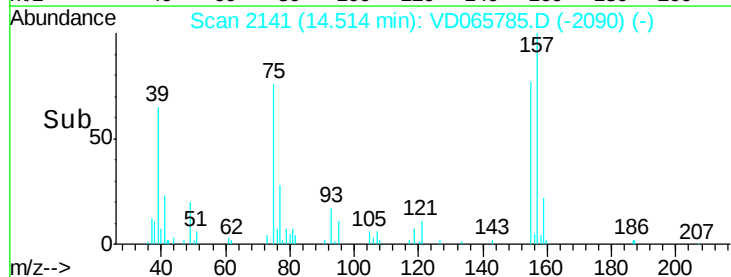
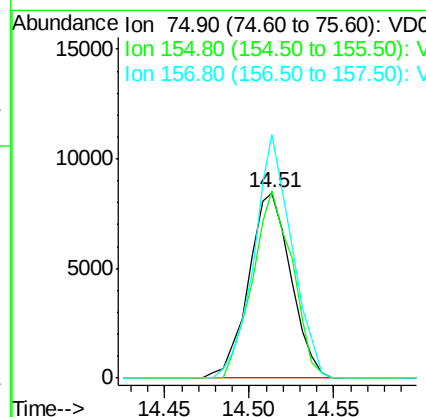
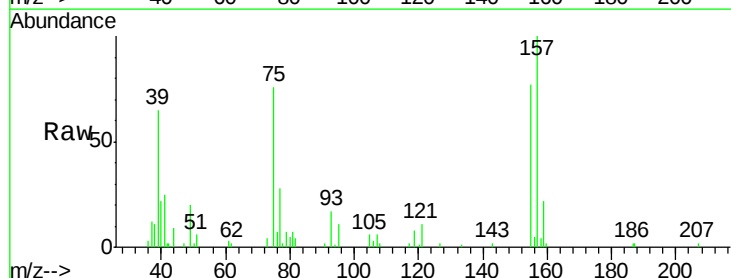
Manual Integrations
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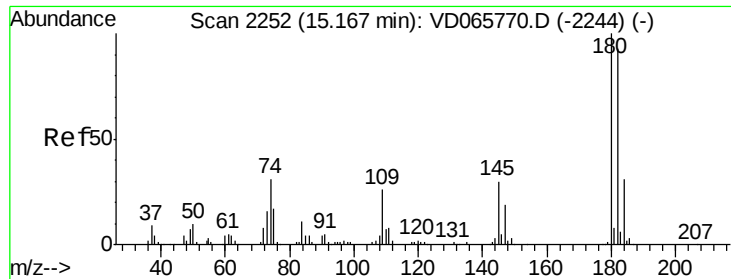
MMDadoda
 6/9/2020 2:50:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.396 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065785.D
 Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14687		
155	95.4	46.3	138.9	
157	117.4	58.1	174.3	





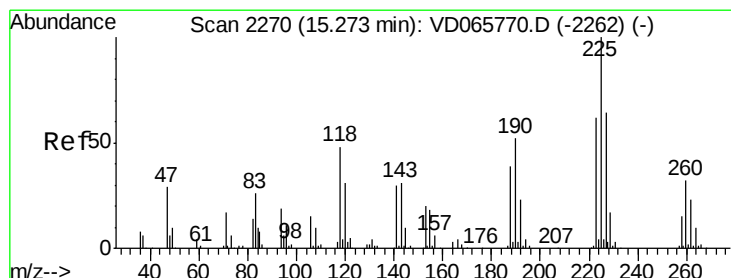
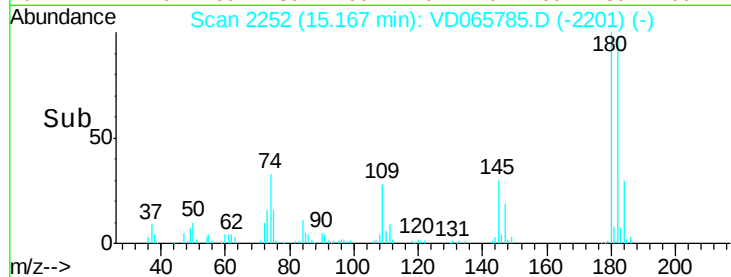
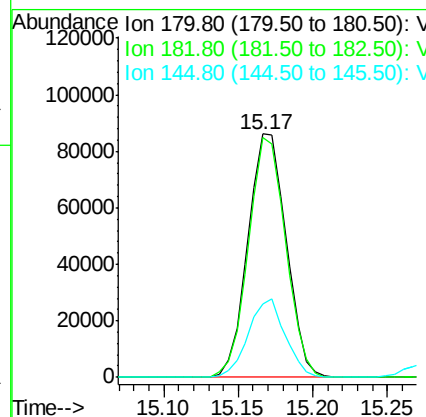
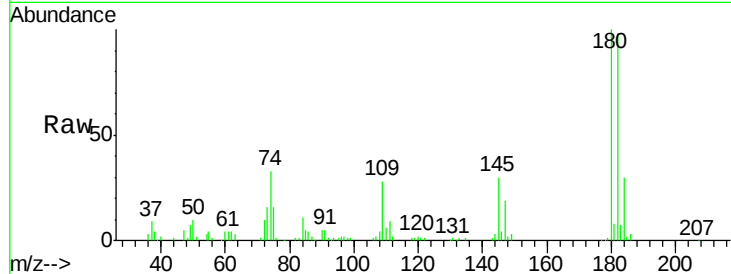
#93
1,2,4-Trichlorobenzene
Concen: 52.863 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152661		
182	96.1	48.0	144.2	
145	31.1	14.9	44.9	

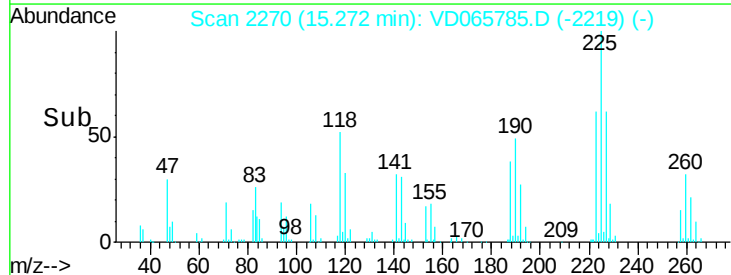
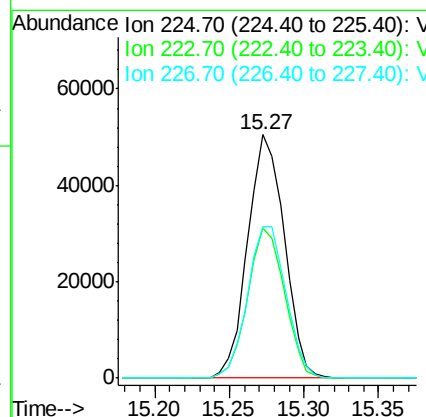
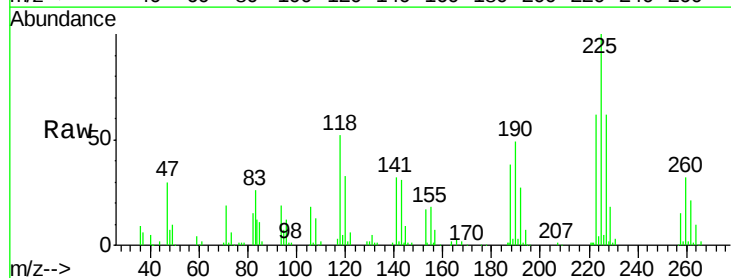
Manual Integrations
APPROVED

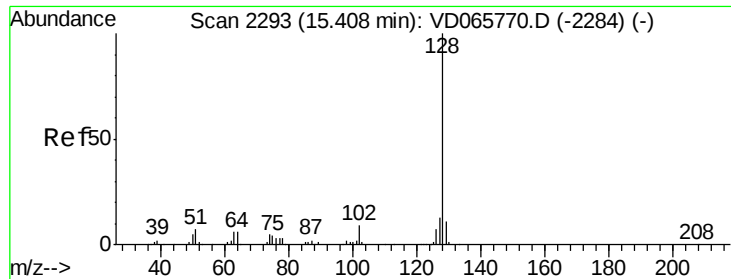
MMDadoda
6/9/2020 2:50:45 PM



#94
Hexachlorobutadiene
Concen: 49.260 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD065785.D
Acq: 08 Jun 2020 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85996		
223	62.1	30.9	92.7	
227	64.9	31.9	95.7	





#95

Naphthalene

Concen: 54.545 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Instrument :

MSVOA_D

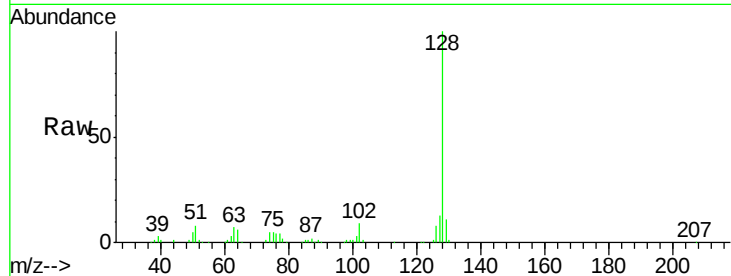
ClientSampleId :

VSTDCCC050EC

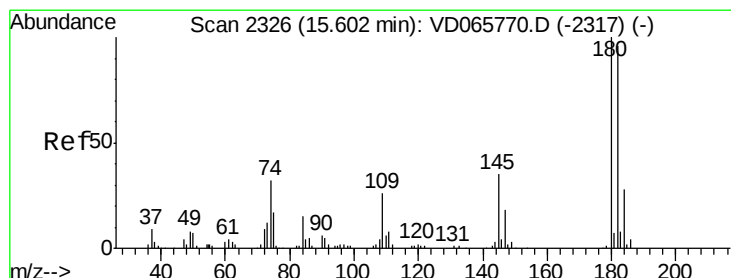
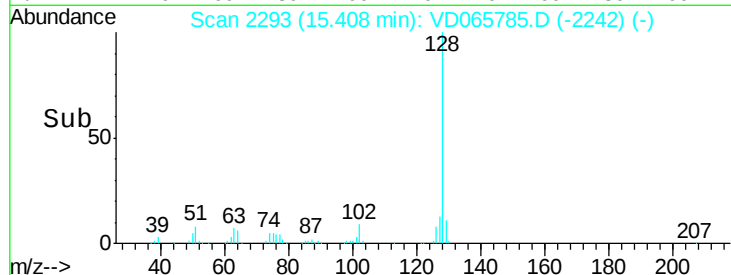
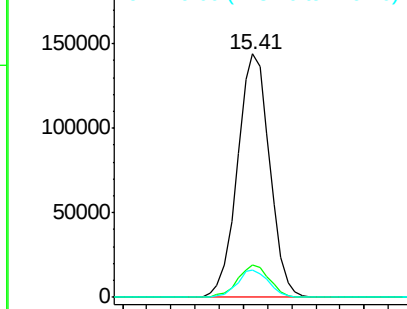
Tot Ion:	128	Resp:	266819
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.7	16.1
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/9/2020 2:50:45 PM



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



#96

1,2,3-Trichlorobenzene

Concen: 53.052 ug/l

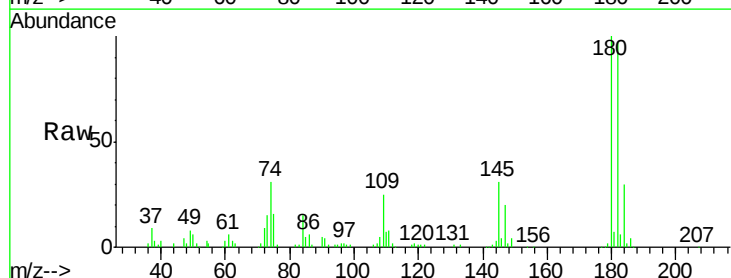
RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD065785.D

Acq: 08 Jun 2020 17:20

Tgt Ion:	180	Resp:	131953
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.0	141.2
145	32.4	16.2	48.6



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

