

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066228.D
 Acq On : 14 Aug 2020 11:12
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 8/17/2020 5:45:54 PM

Quant Time: Aug 17 08:52:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	338967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	485287	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	438528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	226415	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	149750	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
35) Dibromofluoromethane	7.91	113	151980	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
50) Toluene-d8	10.33	98	564392	49.75	ug/l	0.00
Spiked Amount			Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.63	95	199696	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	120654	40.401	ug/l	96
3) Chloromethane	2.20	50	95767	41.224	ug/l	99
4) Vinyl Chloride	2.34	62	99346	48.303	ug/l	97
5) Bromomethane	2.77	94	65530	48.024	ug/l	97
6) Chloroethane	2.92	64	60269	47.738	ug/l	96
7) Trichlorofluoromethane	3.27	101	250040	46.632	ug/l	98
8) Diethyl Ether	3.70	74	72039	47.614	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	149678	47.036	ug/l	98
10) Methyl Iodide	4.30	142	160638	54.716	ug/l	99
11) Tert butyl alcohol	5.22	59	54510	239.851	ug/l	97
12) 1,1-Dichloroethene	4.07	96	136150	45.354	ug/l	94
13) Acrolein	3.92	56	50602	210.218	ug/l	99
14) Allyl chloride	4.71	41	215405	47.364	ug/l	98
15) Acrylonitrile	5.42	53	157560	247.133	ug/l	100
16) Acetone	4.16	43	186208	324.517	ug/l	96
17) Carbon Disulfide	4.40	76	398317	41.731	ug/l	97
18) Methyl Acetate	4.71	43	68762	47.179	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	339851	49.393	ug/l	98
20) Methylene Chloride	4.96	84	159742	48.319	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	156625	45.418	ug/l	98
22) Diisopropyl ether	6.36	45	426438	47.417	ug/l	93
23) Vinyl Acetate	6.30	43	1313109	249.227	ug/l	98
24) 1,1-Dichloroethane	6.26	63	261966	47.068	ug/l	97
25) 2-Butanone	7.21	43	219710	260.334	ug/l	100
26) 2,2-Dichloropropane	7.20	77	256291	51.378	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	175669	48.566	ug/l	99
28) Bromochloromethane	7.54	49	96728	49.482	ug/l	97
29) Tetrahydrofuran	7.56	42	127823	244.458	ug/l	98
30) Chloroform	7.70	83	285215	48.803	ug/l	94
31) Cyclohexane	7.98	56	238612	45.038	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	269656	49.211	ug/l	99
36) 1,1-Dichloropropene	8.11	75	219051	48.035	ug/l	99
37) Ethyl Acetate	7.29	43	90191	49.917	ug/l	97
38) Carbon Tetrachloride	8.09	117	254305	50.007	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	267300	48.489	ug/l	98
40) Benzene	8.34	78	610938	48.294	ug/l	95
41) Methacrylonitrile	7.52	41	54251	51.067	ug/l	97
42) 1,2-Dichloroethane	8.42	62	183008	49.244	ug/l	99
43) Isopropyl Acetate	8.45	43	182122	51.158	ug/l	97
44) Trichloroethene	9.11	130	183149	48.045	ug/l	94
45) 1,2-Dichloropropane	9.38	63	148419	47.971	ug/l	96
46) Dibromomethane	9.47	93	84335	49.486	ug/l	99
47) Bromodichloromethane	9.66	83	225885	50.149	ug/l	99
48) Methyl methacrylate	9.45	41	93406	51.384	ug/l	98
49) 1,4-Dioxane	9.46	88	21230	969.623	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	464995	254.289	ug/l	98
52) Toluene	10.40	92	406072	48.782	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	219722	51.402	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	253753	50.667	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	121851	49.654	ug/l	98
56) Ethyl methacrylate	10.66	69	155265	52.668	ug/l	98
57) 1,3-Dichloropropane	10.94	76	205483	50.437	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	361497	272.614	ug/l	100
59) 2-Hexanone	10.98	43	348133	271.269	ug/l	97
60) Dibromochloromethane	11.14	129	168838	49.835	ug/l	100
61) 1,2-Dibromoethane	11.24	107	118048	50.019	ug/l	98
64) Tetrachloroethene	10.87	164	162972	48.397	ug/l	97
65) Chlorobenzene	11.67	112	452632	50.845	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	175729	50.450	ug/l	98
67) Ethyl Benzene	11.74	91	790522	51.243	ug/l	98
68) m/p-Xylenes	11.85	106	606615	101.492	ug/l	98
69) o-Xylene	12.18	106	278537	51.229	ug/l	100
70) Styrene	12.20	104	488882	51.307	ug/l	98
71) Bromoform	12.36	173	104217	50.500	ug/l #	100
73) Isopropylbenzene	12.48	105	789047	52.207	ug/l	100
74) N-amyl acetate	12.29	43	171495	51.529	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	128350	49.803	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	101619m	53.820	ug/l	
77) Bromobenzene	12.76	156	194068	49.881	ug/l	97
78) n-propylbenzene	12.82	91	901090	51.290	ug/l	100
79) 2-Chlorotoluene	12.91	91	510727	50.828	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	665833	52.678	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	46306	54.213	ug/l	98
82) 4-Chlorotoluene	13.01	91	537177	50.643	ug/l	100
83) tert-Butylbenzene	13.23	119	575664	51.787	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	653107	51.631	ug/l	99
85) sec-Butylbenzene	13.40	105	788378	52.531	ug/l	99
86) p-Isopropyltoluene	13.52	119	736073	52.293	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	364105	49.794	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	372194	51.039	ug/l	99
89) n-Butylbenzene	13.85	91	672125	53.294	ug/l	100
90) Hexachloroethane	14.12	117	139237	49.598	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	326316	50.461	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	22545	50.900	ug/l	96

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ClientSampleId :
VSTDCCC050

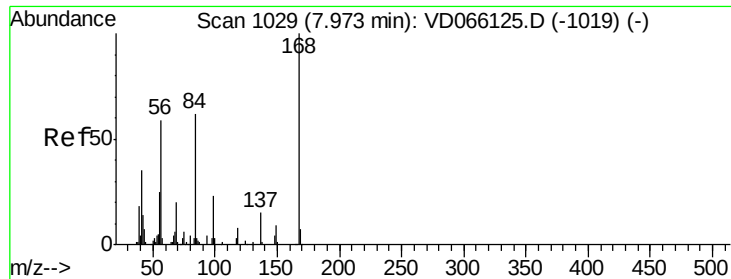
Manual Integrations
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8/17/2020 5:45:54 PM

Quant Time: Aug 17 08:52:47 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	243206	51.034	ug/l	96
94) Hexachlorobutadiene	15.27	225	144214	51.390	ug/l	99
95) Naphthalene	15.41	128	418788	53.932	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	215613	51.252	ug/l	98

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



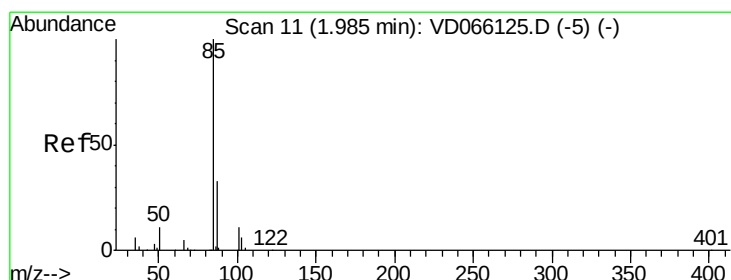
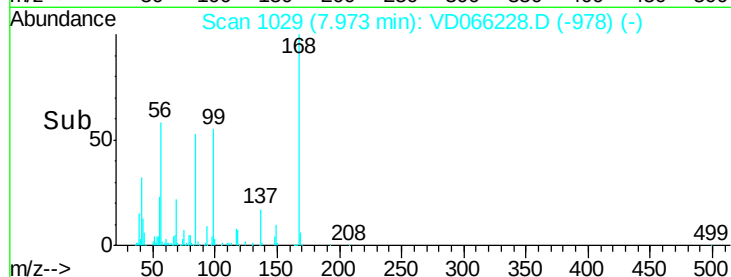
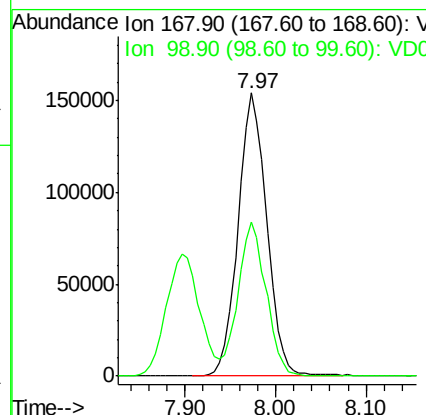
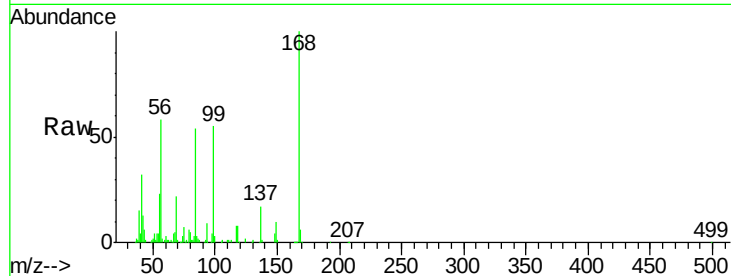
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.3	42.2	63.4

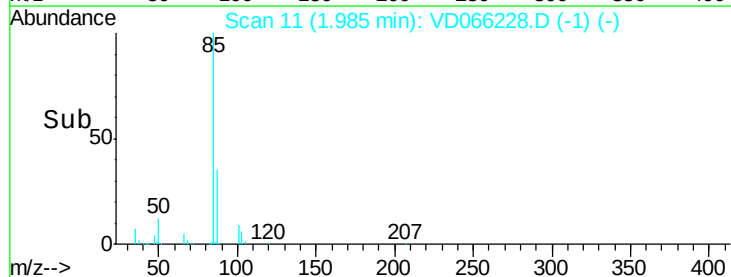
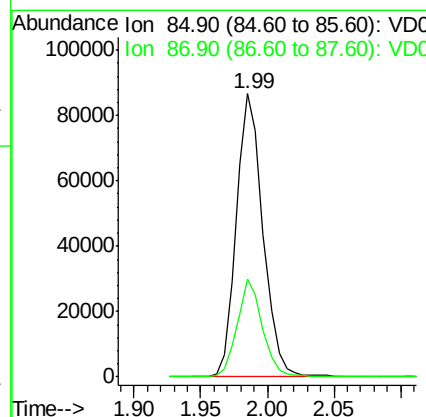
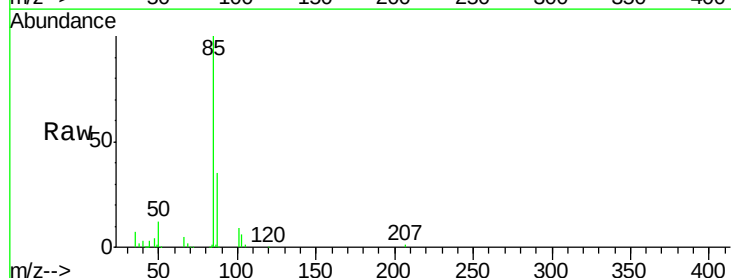
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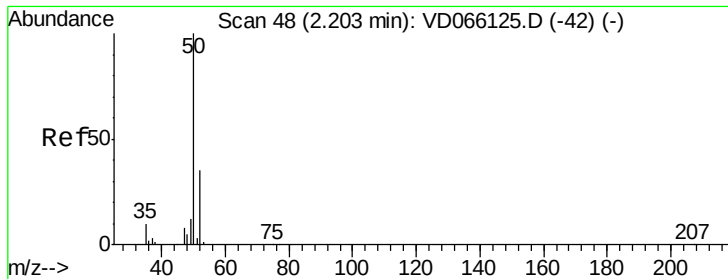
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#2
Dichlorodifluoromethane
Concen: 40.401 ug/l
RT: 1.99 min Scan# 11
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.6	16.3	48.8





#3

Chloromethane

Concen: 41.224 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

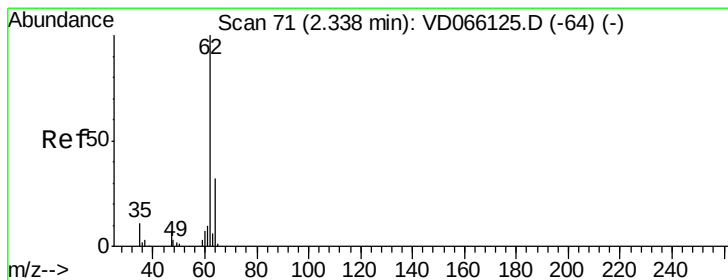
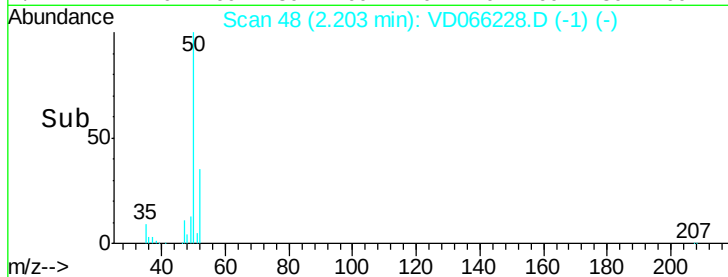
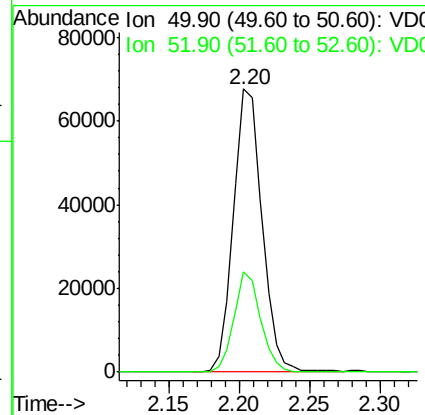
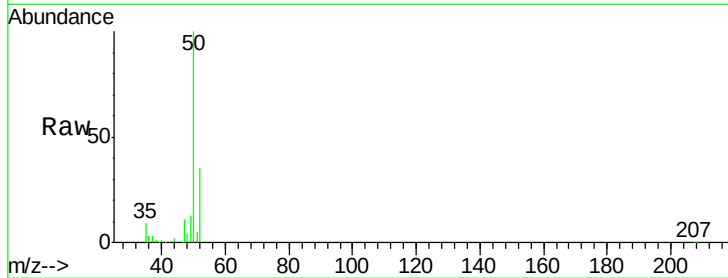
ClientSampleId :

VSTDCCC050

Tot Ion	50	Resp	95767
Ion	Ratio	Lower	Upper
50	100		
52	35.3	27.9	41.9

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#4

Vinyl Chloride

Concen: 48.303 ug/l

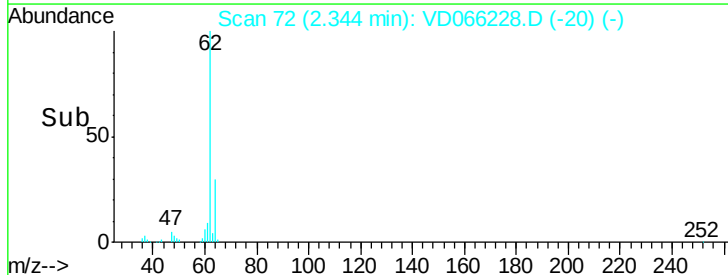
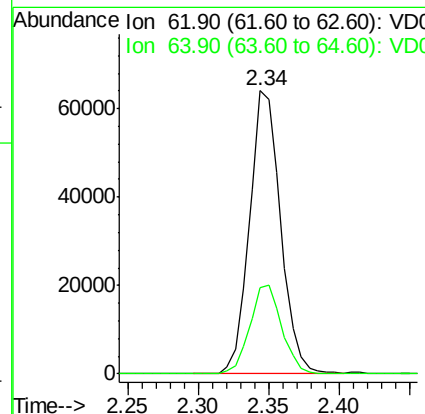
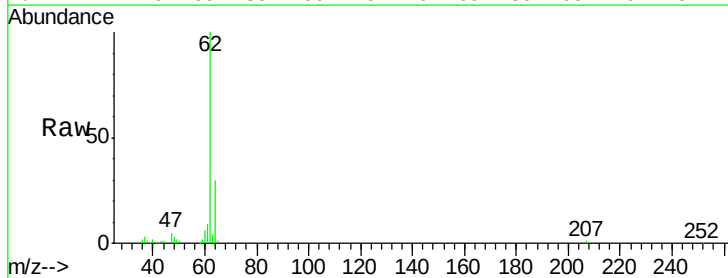
RT: 2.34 min Scan# 72

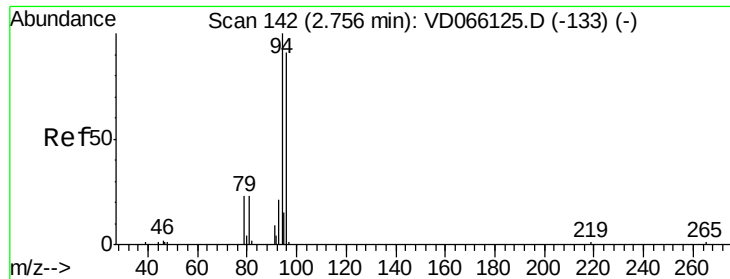
Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Tgt Ion	62	Resp	99346
Ion	Ratio	Lower	Upper
62	100		
64	30.4	25.8	38.8





#5

Bromomethane

Concen: 48.024 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 65530

Ion Ratio Lower Upper

94 100

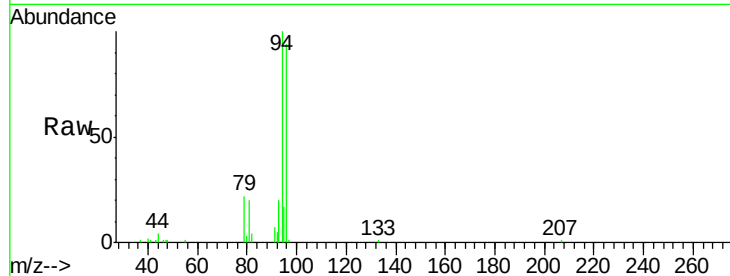
96 93.9 72.6 109.0

Manual Integrations

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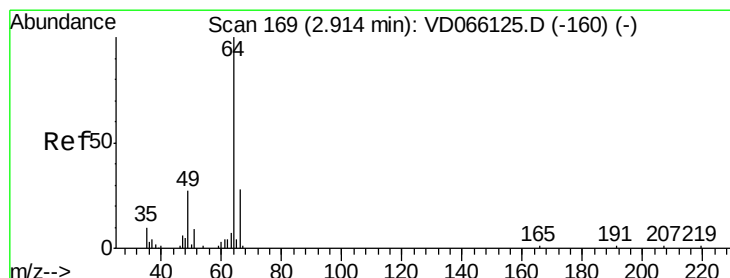
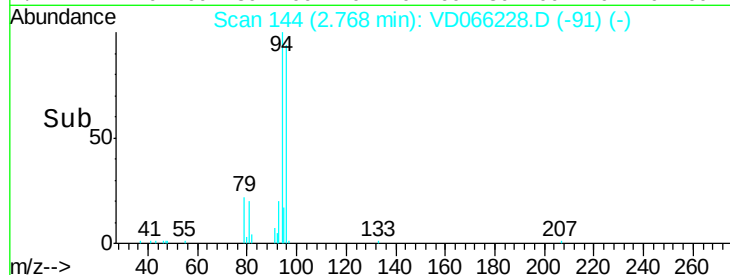
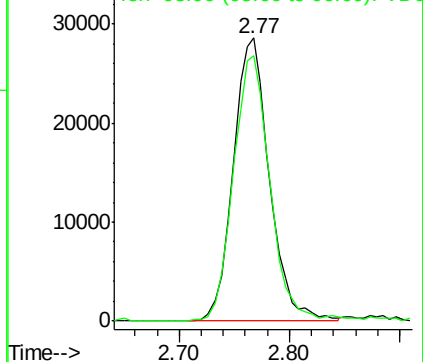
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.738 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066228.D

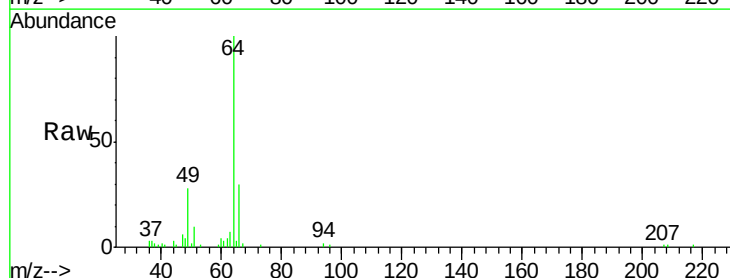
Acq: 14 Aug 2020 11:12

Tgt Ion: 64 Resp: 60269

Ion Ratio Lower Upper

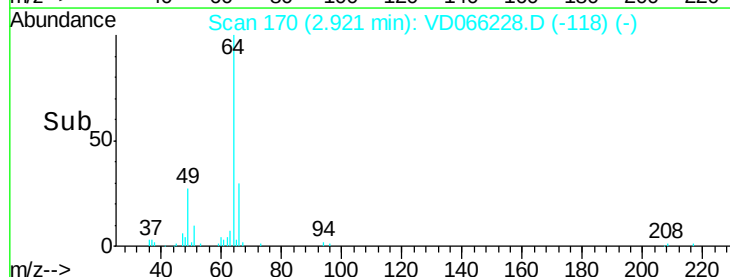
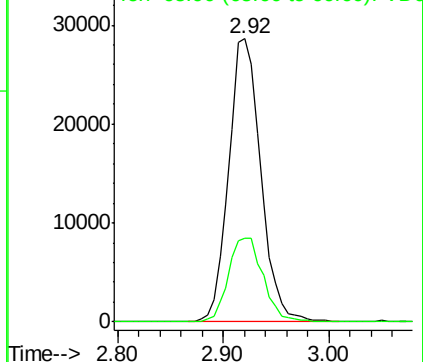
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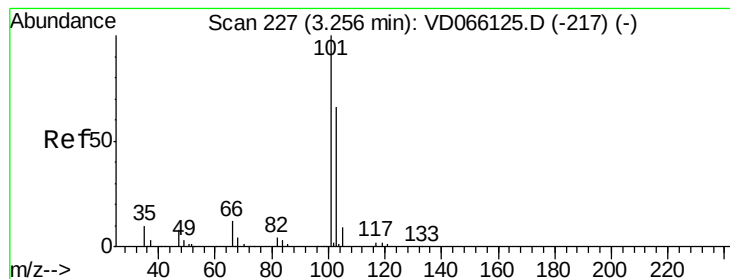
66 29.8 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

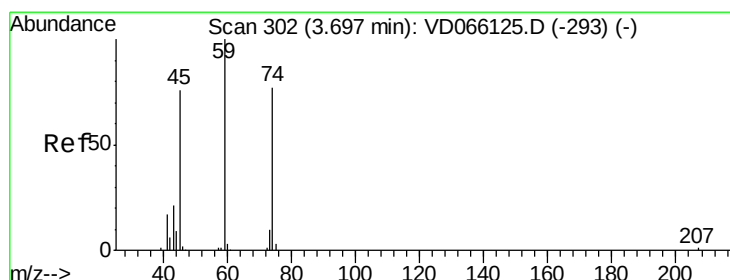
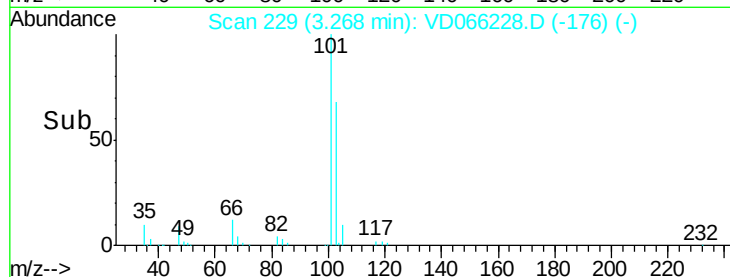
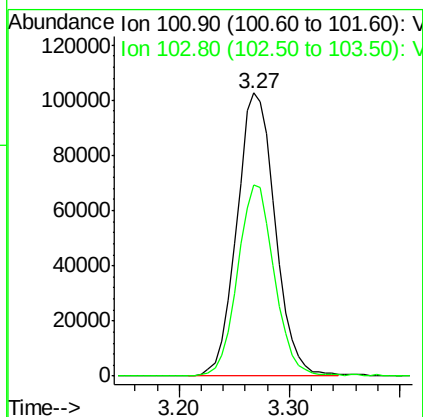
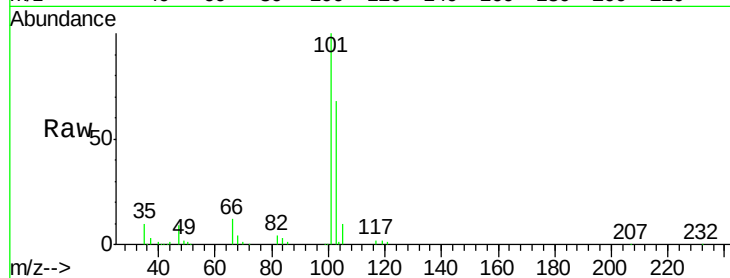
Trichlorofluoromethane
Concen: 46.632 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	53.0	79.6

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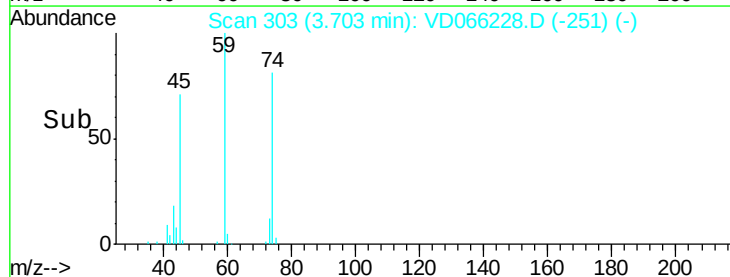
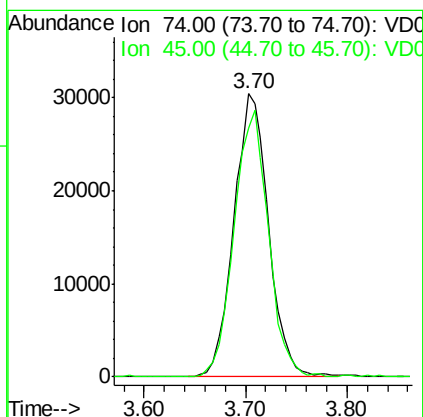
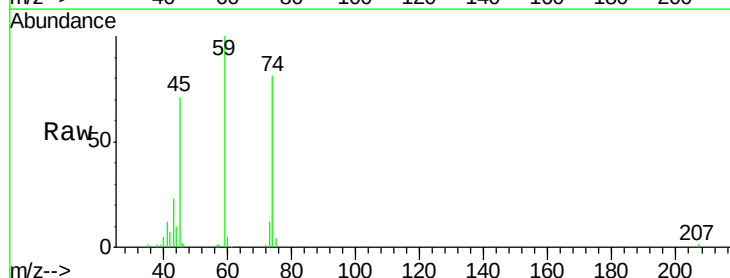
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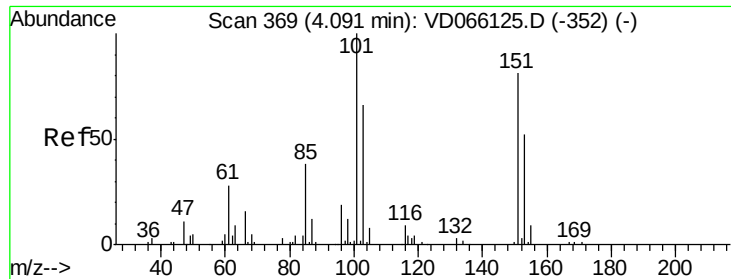


#8

Diethyl Ether
Concen: 47.614 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.036 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:101 Resp: 149678

Ion Ratio Lower Upper

101 100

85 42.4 33.5 50.3

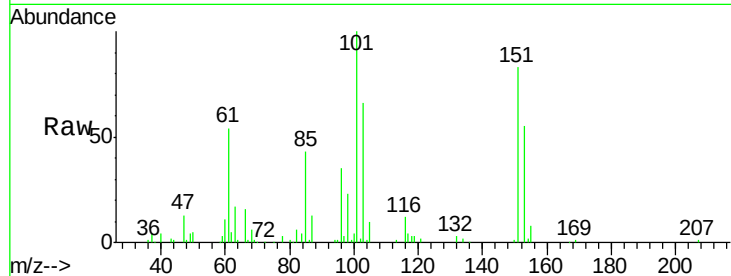
151 86.8 67.8 101.8

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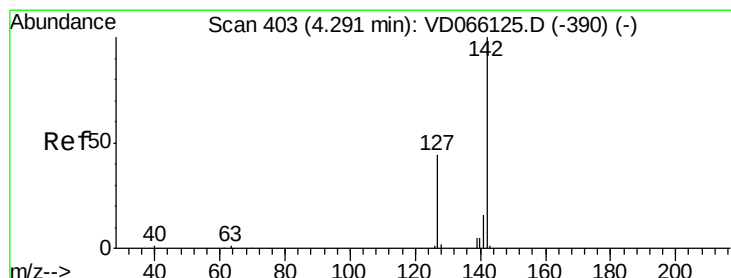
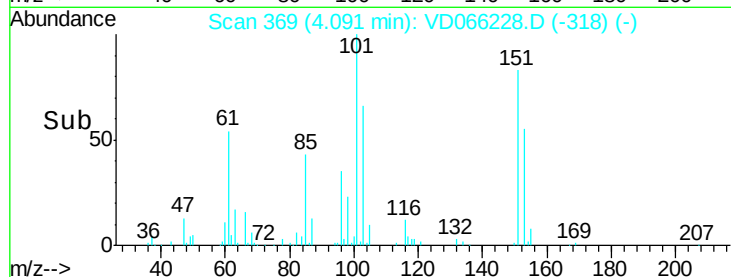
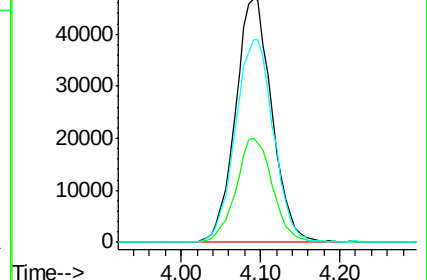
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 54.716 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

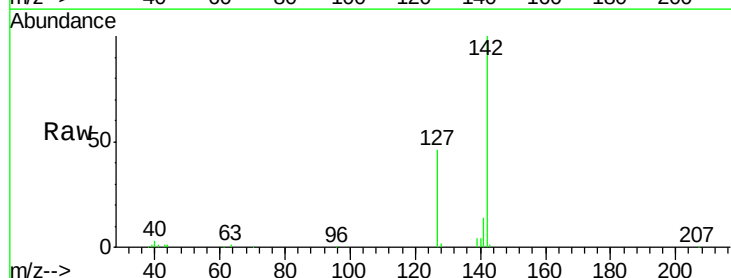
Tgt Ion:142 Resp: 160638

Ion Ratio Lower Upper

142 100

127 45.0 36.2 54.4

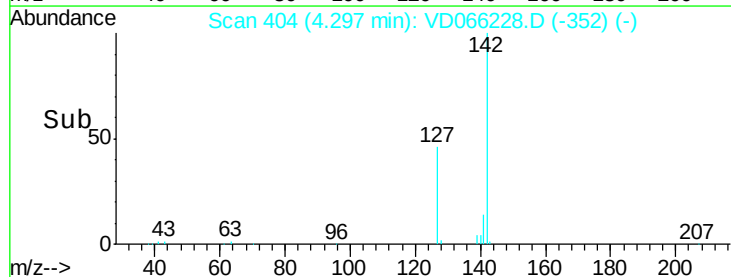
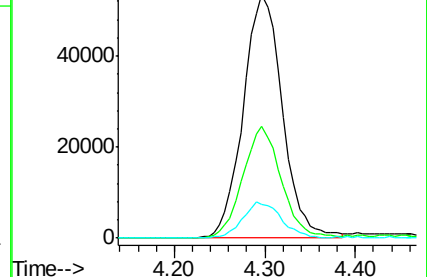
141 14.7 12.6 18.8

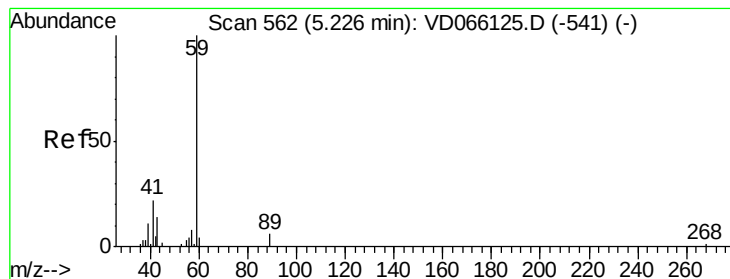


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

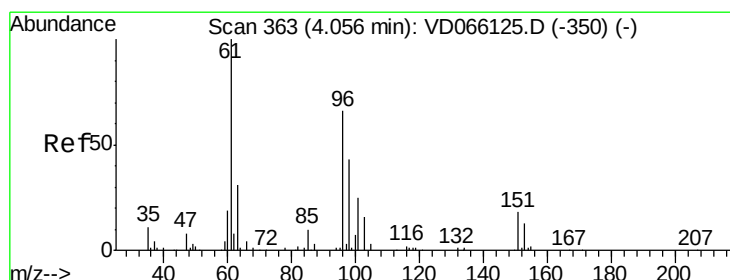
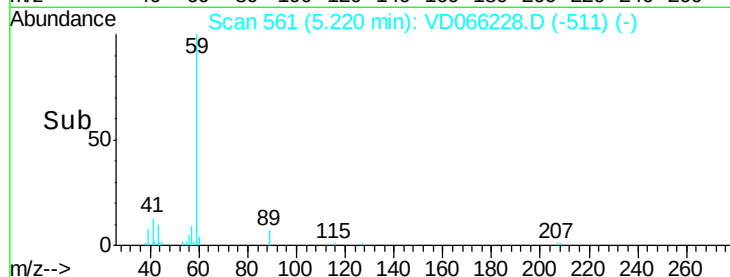
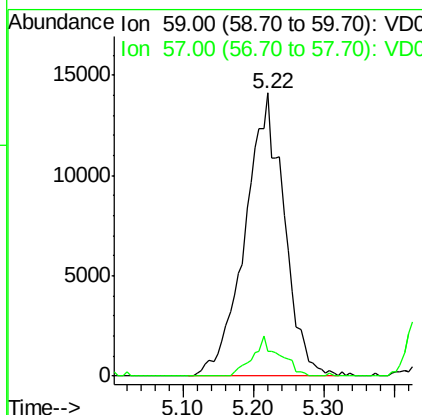
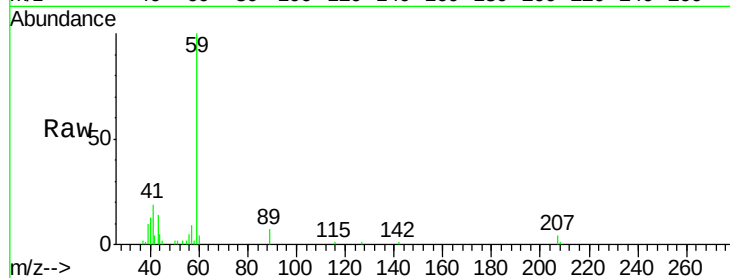
Tert butyl alcohol
 Concen: 239.851 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	54510
Ion Ratio	100	Lower	Upper
57	9.6	7.0	10.4

Manual Integrations
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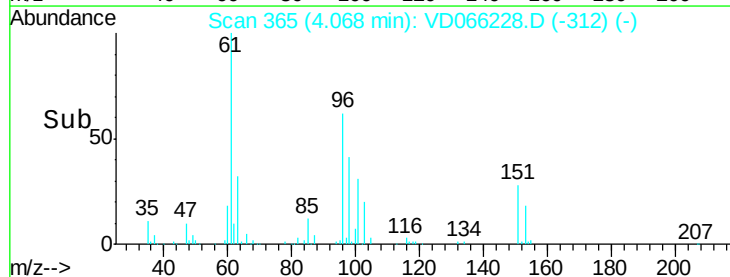
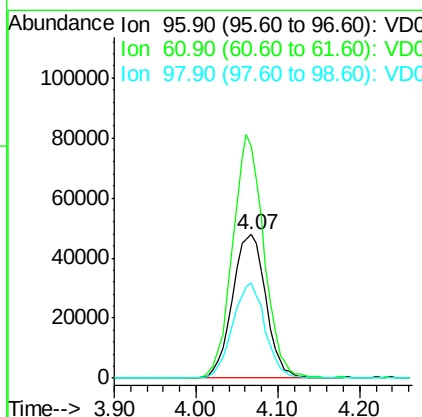
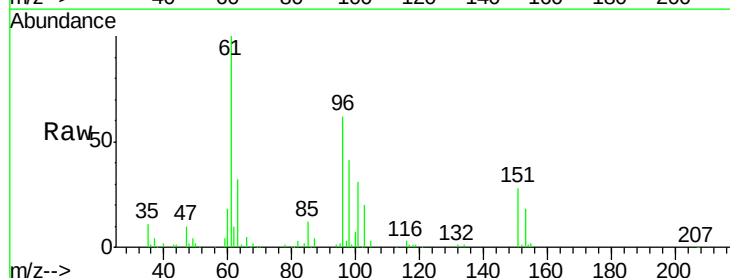
MMDadoda
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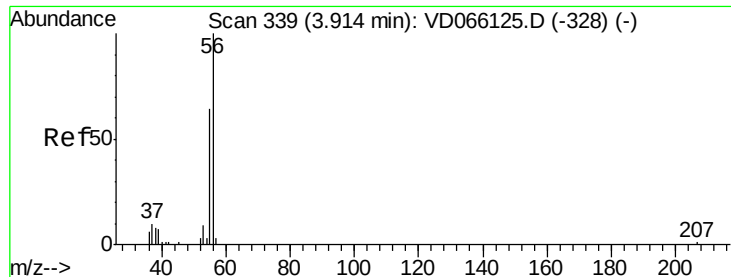


#12

1,1-Dichloroethene
 Concen: 45.354 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion	96	Resp	136150
Ion Ratio	100	Lower	Upper
61	162.0	121.6	182.4
98	66.1	52.0	78.0





#13

Acrolein

Concen: 210.218 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 50602

Ion Ratio Lower Upper

56 100

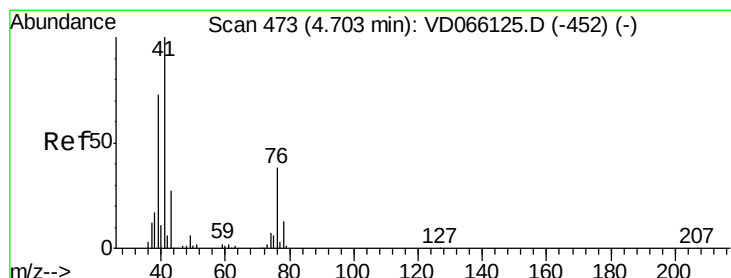
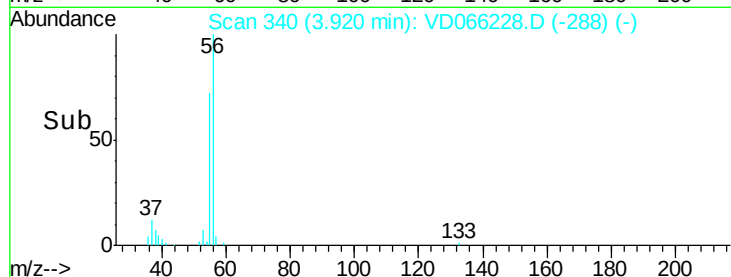
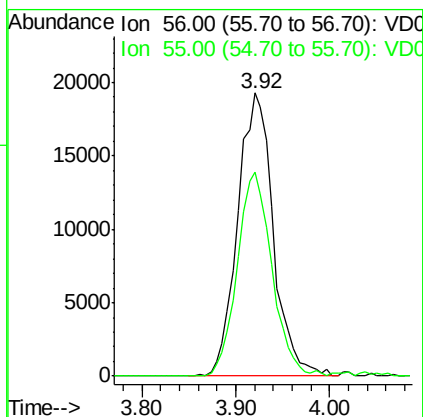
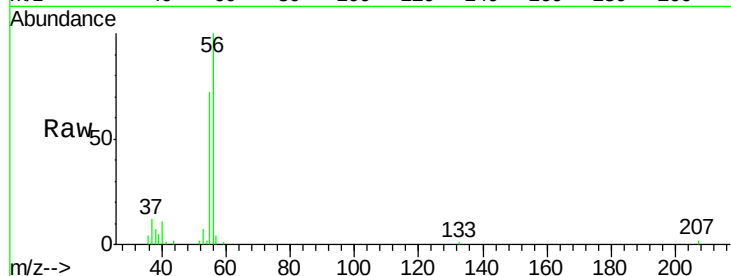
55 70.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 47.364 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

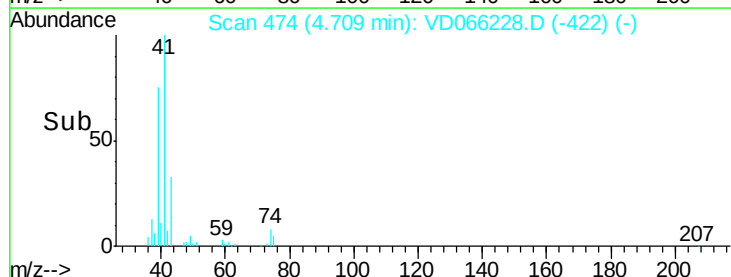
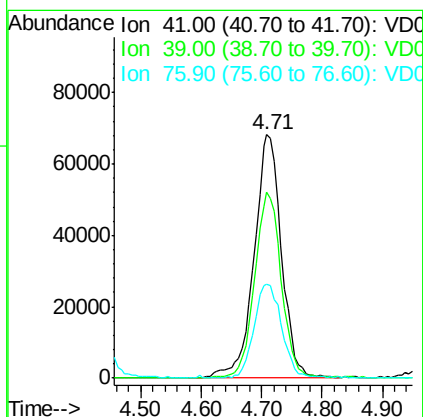
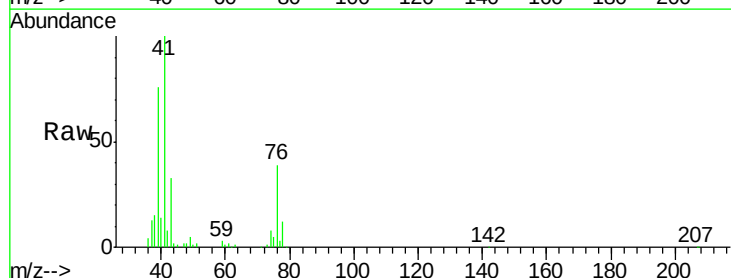
Tgt Ion: 41 Resp: 215405

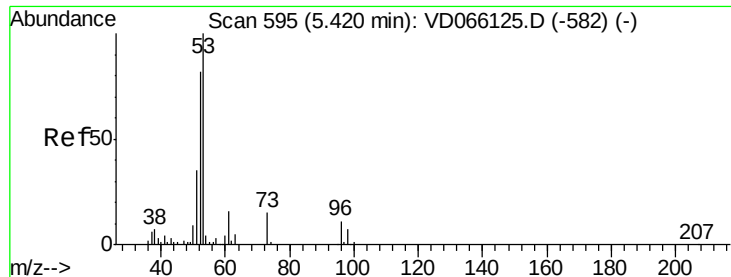
Ion Ratio Lower Upper

41 100

39 74.2 57.4 86.0

76 38.2 30.1 45.1





#15

Acrylonitrile

Concen: 247.133 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

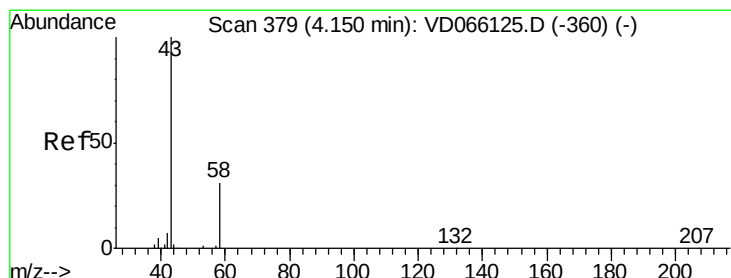
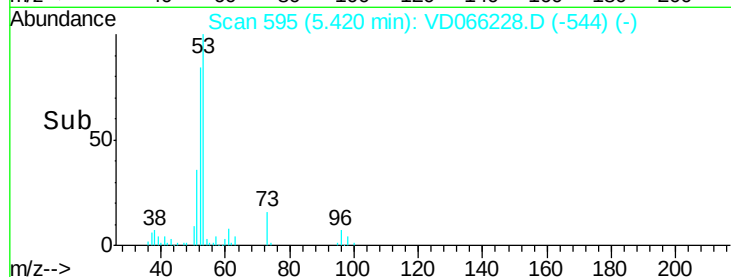
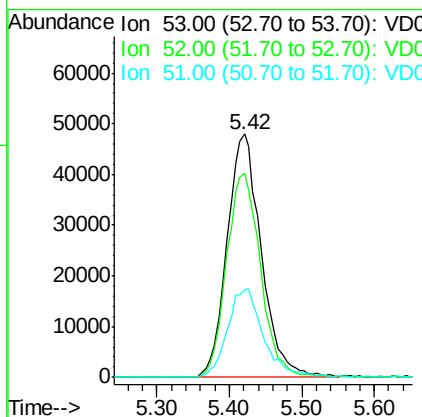
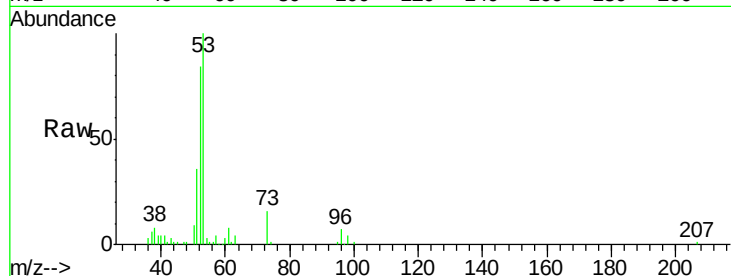
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	157560
Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.1	99.1
51	38.1	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 324.517 ug/l

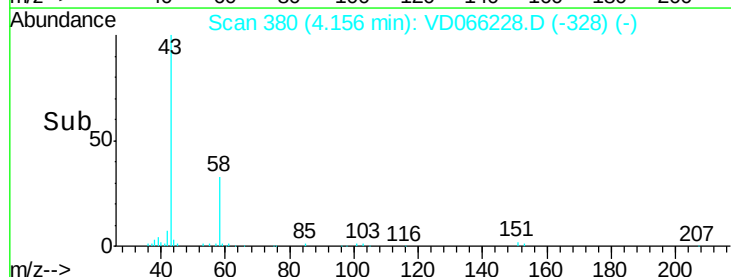
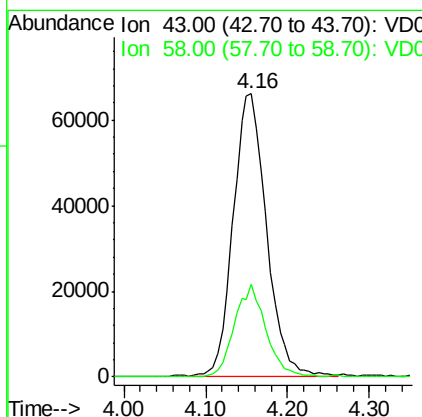
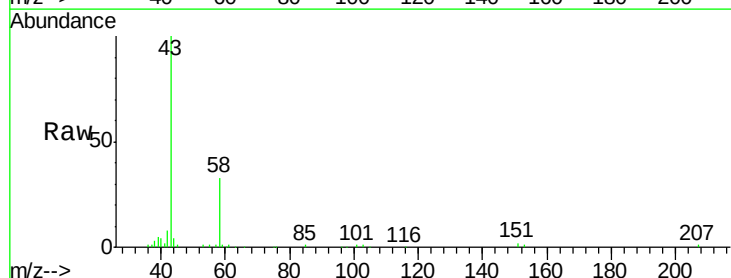
RT: 4.16 min Scan# 380

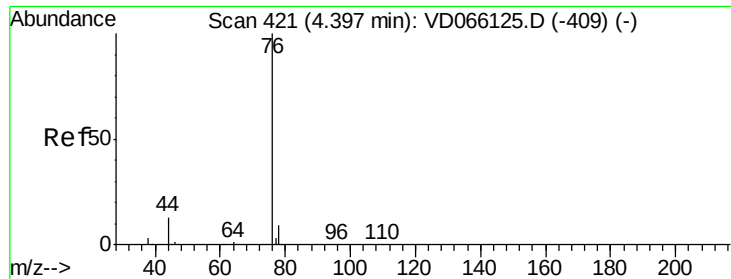
Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Tgt Ion:	43	Resp:	186208
Ion	Ratio	Lower	Upper
43	100		
58	32.9	24.7	37.1





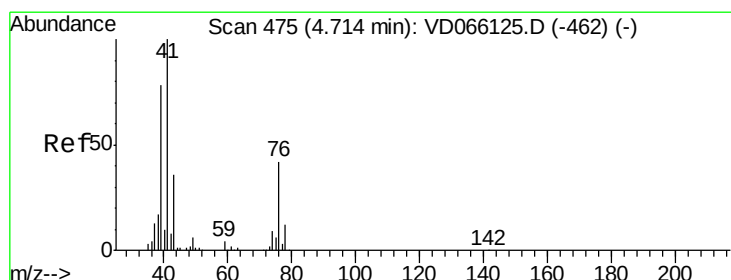
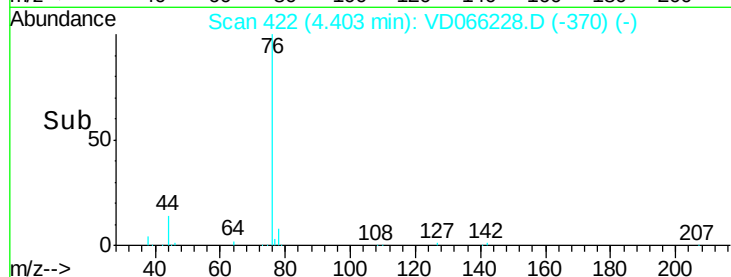
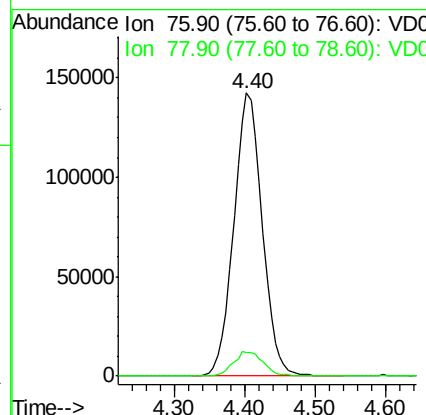
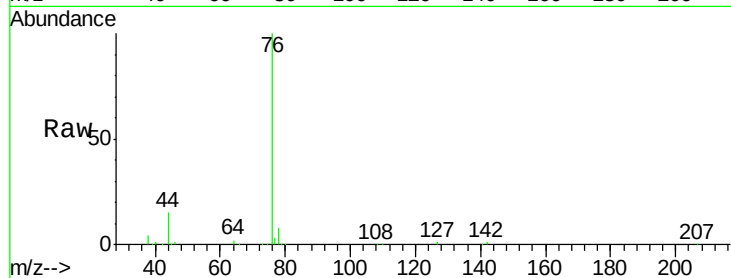
#17
Carbon Disulfide
Concen: 41.731 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	398317		
78	8.4		7.5	11.3

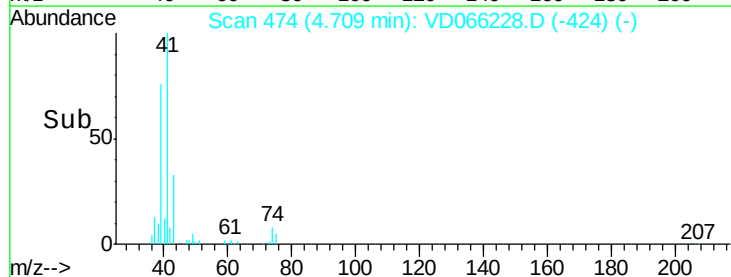
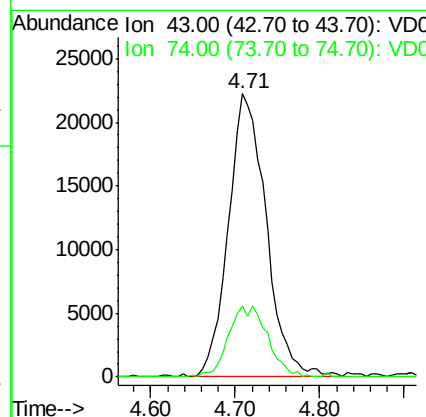
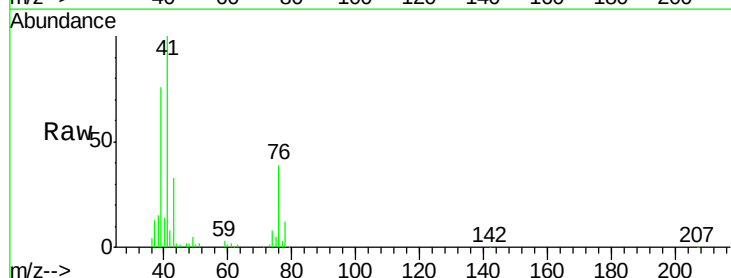
Manual Integrations
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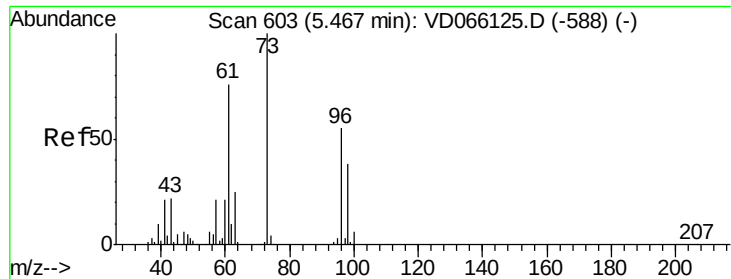
MMDadoda
8/17/2020 5:45:54 PM



#18
Methyl Acetate
Concen: 47.179 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	68762		
74	26.1		21.2	31.8





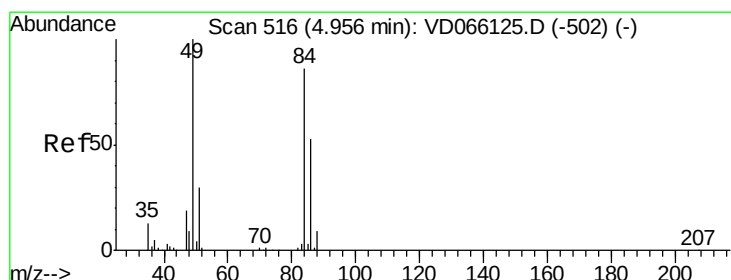
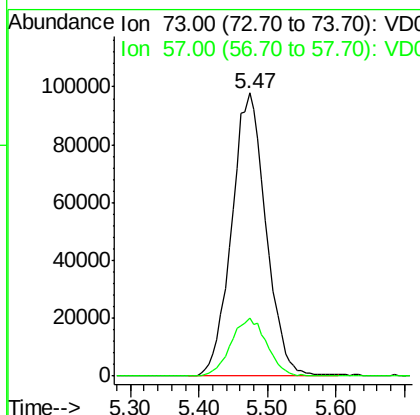
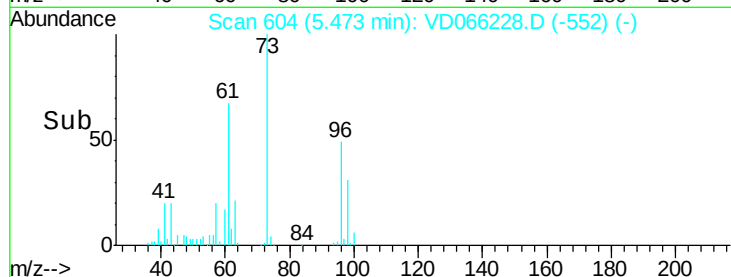
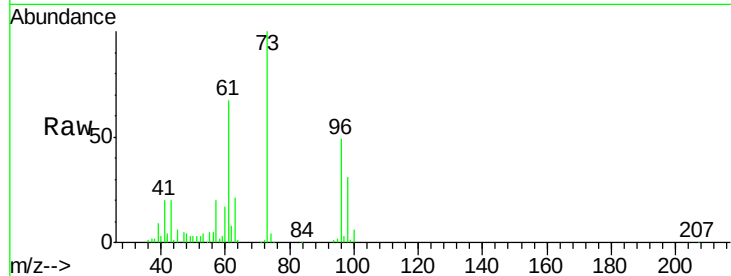
#19
Methyl tert-butyl Ether
Concen: 49.393 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 339851
Ion Ratio Lower Upper
73 100
57 20.4 17.1 25.7

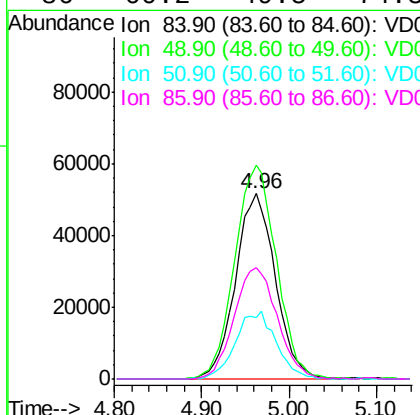
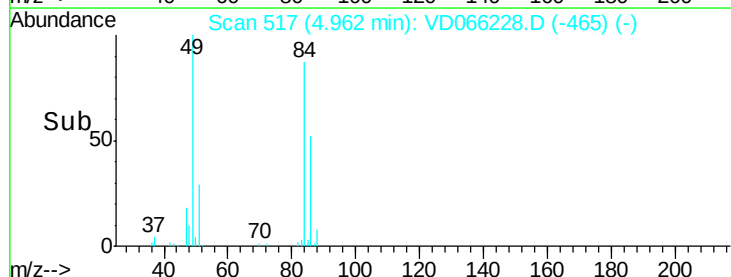
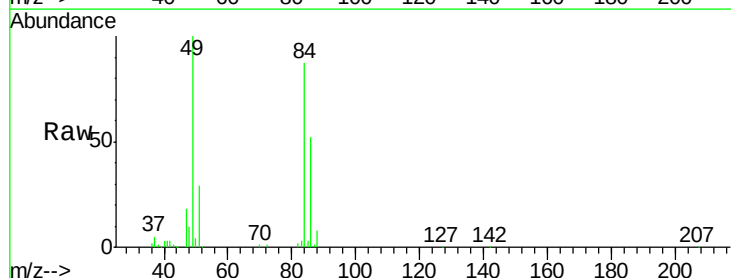
Manual Integrations
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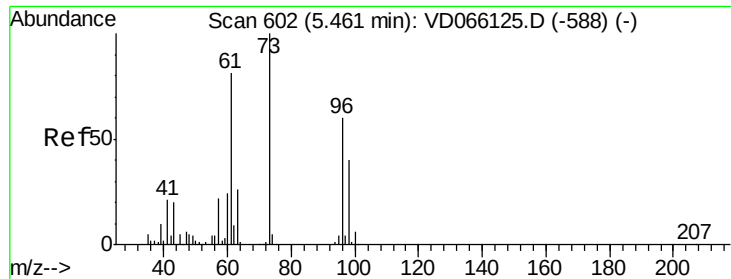
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#20
Methylene Chloride
Concen: 48.319 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion: 84 Resp: 159742
Ion Ratio Lower Upper
84 100
49 114.9 93.5 140.3
51 32.9 28.2 42.4
86 60.2 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 45.418 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

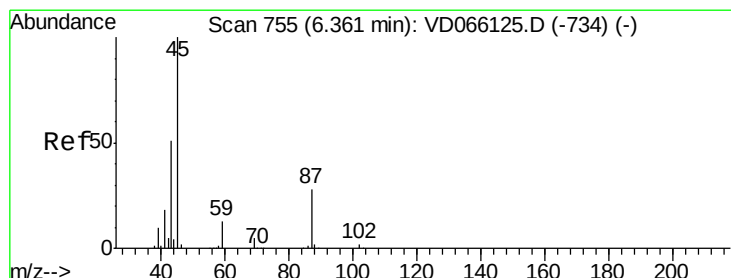
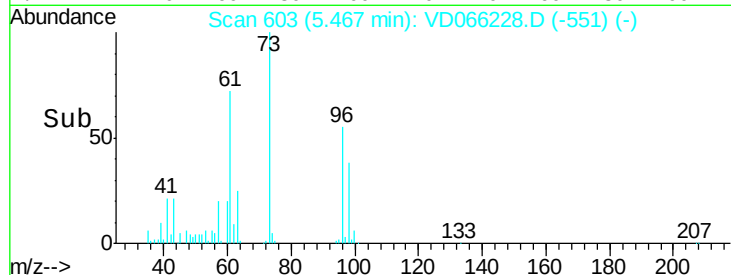
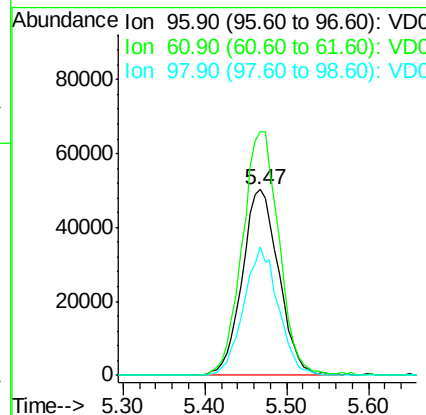
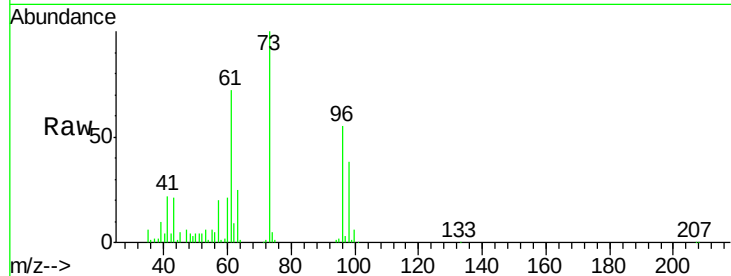
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	156625
Ion Ratio	Lower	Upper	
96	100		
61	131.3	106.9	160.3
98	69.1	53.4	80.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.417 ug/l

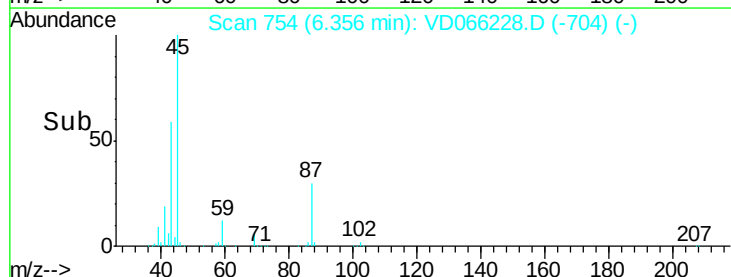
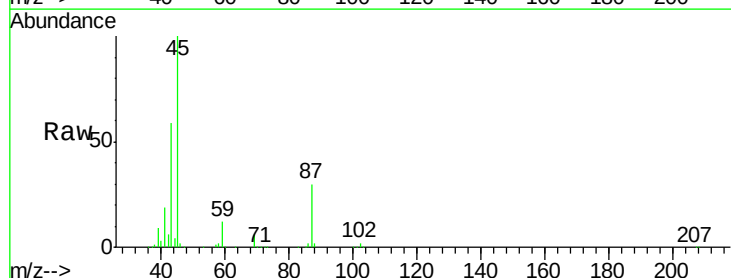
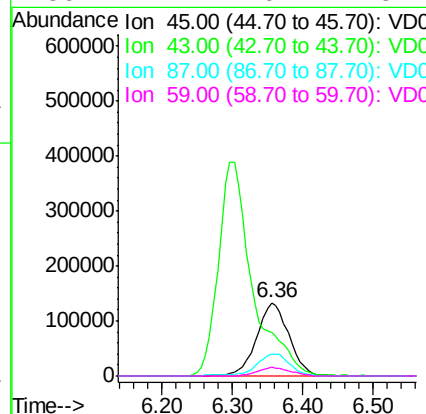
RT: 6.36 min Scan# 754

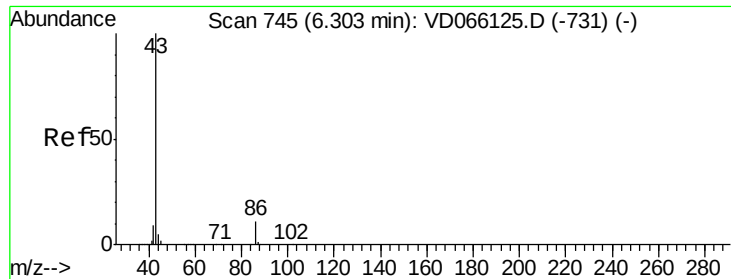
Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Tgt Ion:	45	Resp:	426438
Ion Ratio	Lower	Upper	
45	100		
43	58.5	41.2	61.8
87	29.8	22.8	34.2
59	12.1	10.2	15.2





#23

Vinyl Acetate

Concen: 249.227 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1313109

Ion Ratio Lower Upper

43 100

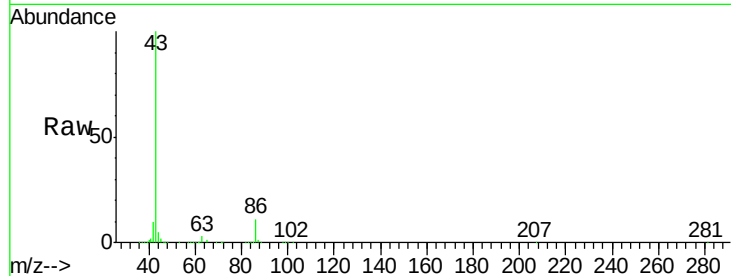
86 10.8 9.1 13.7

Manual Integrations

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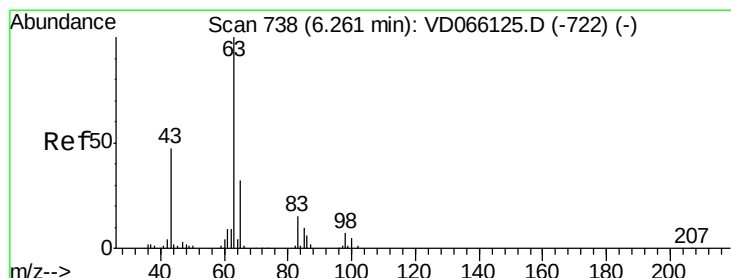
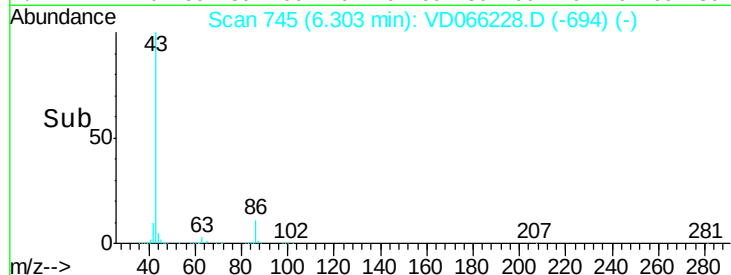
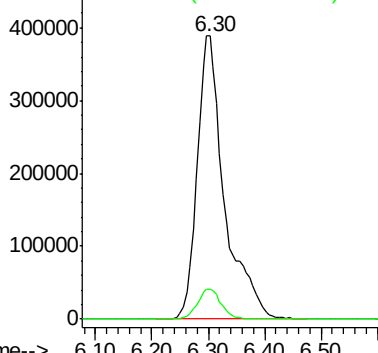
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.068 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

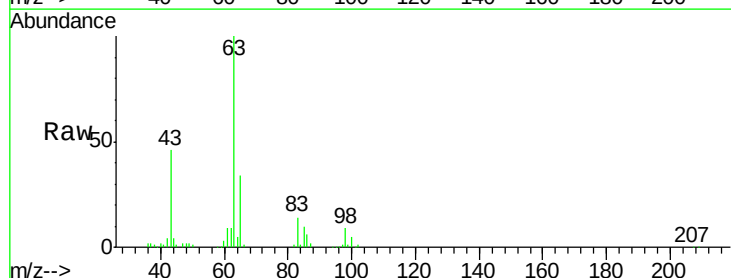
Tgt Ion: 63 Resp: 261966

Ion Ratio Lower Upper

63 100

98 8.8 3.5 10.5

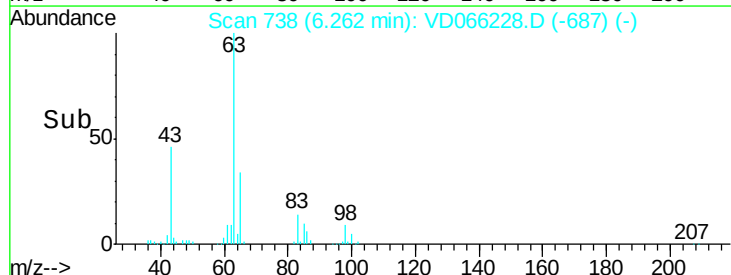
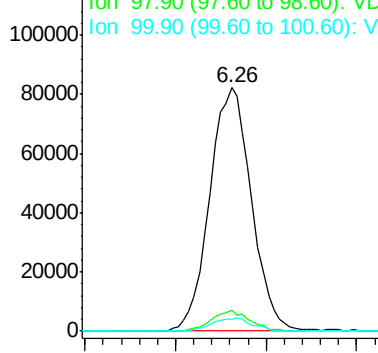
100 4.8 2.4 7.2

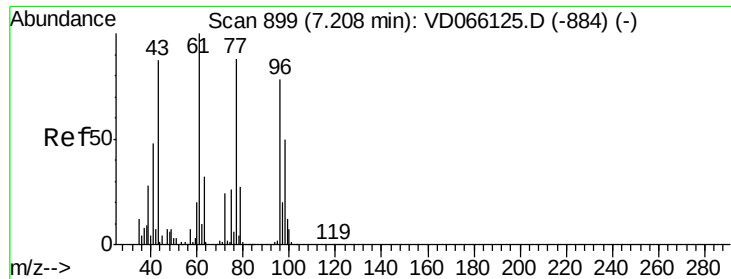


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 260.334 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 219710

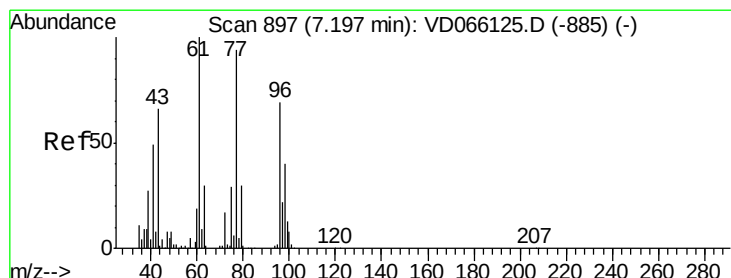
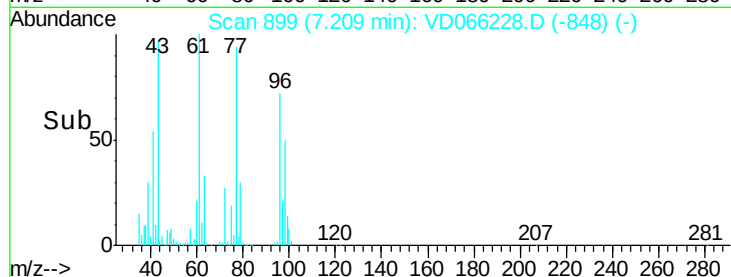
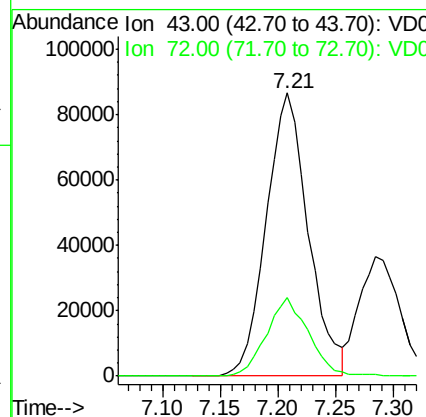
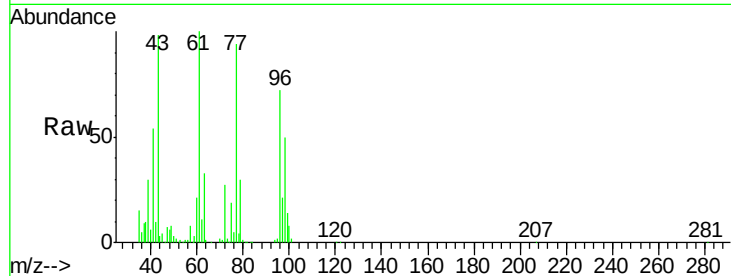
Ion Ratio Lower Upper

43 100

72 27.8 22.2 33.2

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 51.378 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066228.D

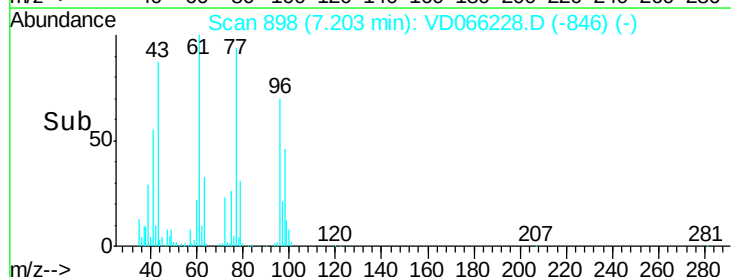
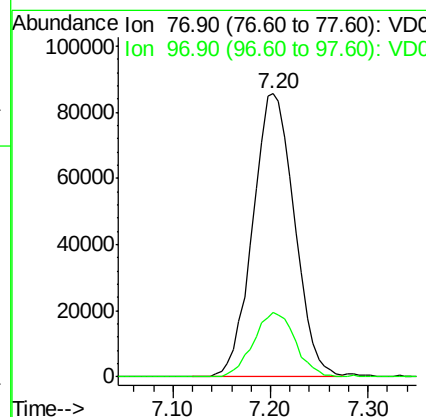
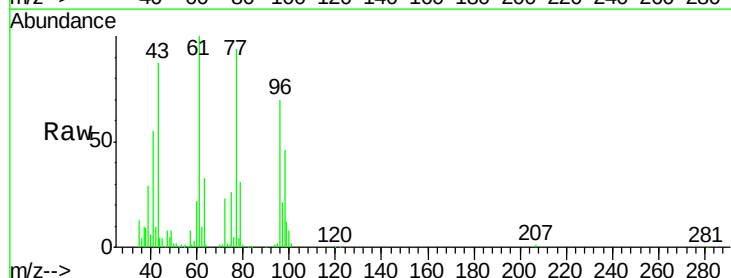
Acq: 14 Aug 2020 11:12

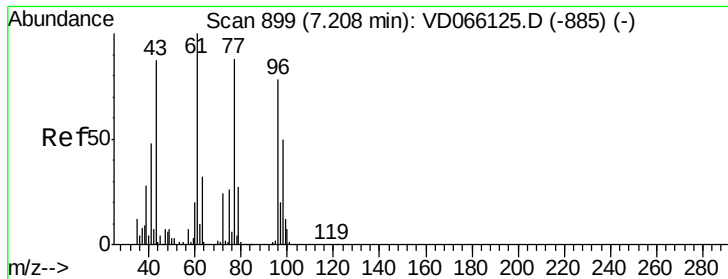
Tgt Ion: 77 Resp: 256291

Ion Ratio Lower Upper

77 100

97 22.9 11.8 35.3





#27

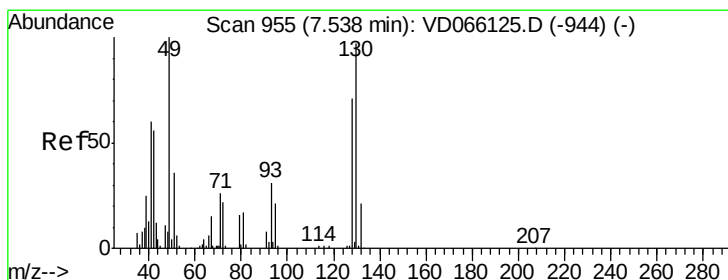
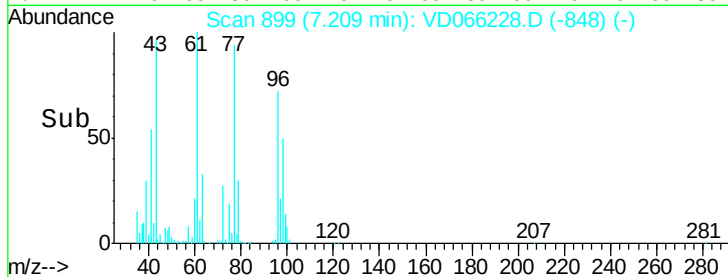
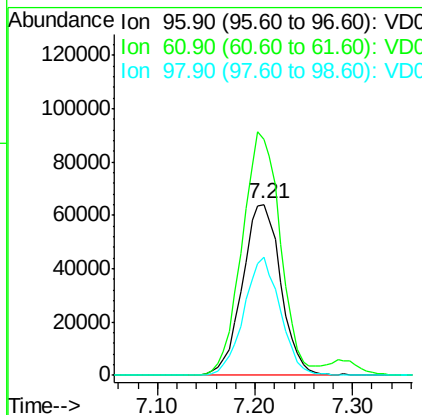
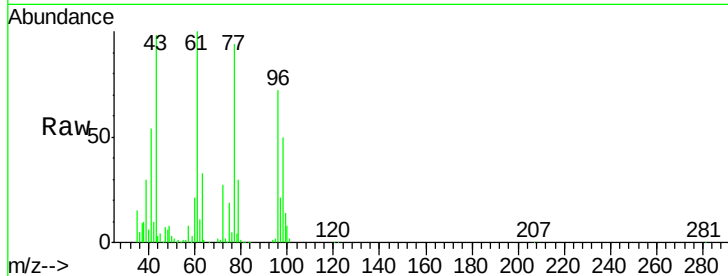
cis-1,2-Dichloroethene
Concen: 48.566 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.1	0.0	281.6
98	65.7	0.0	130.8

Manual Integrations
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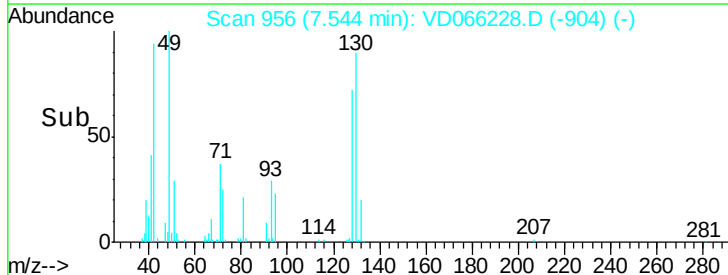
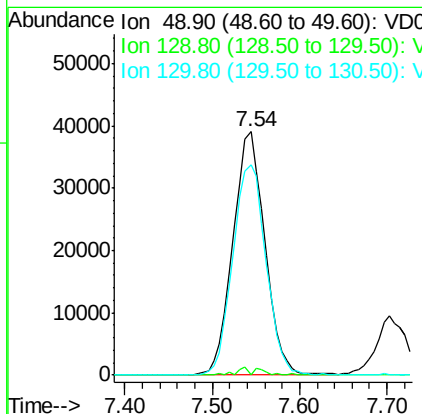
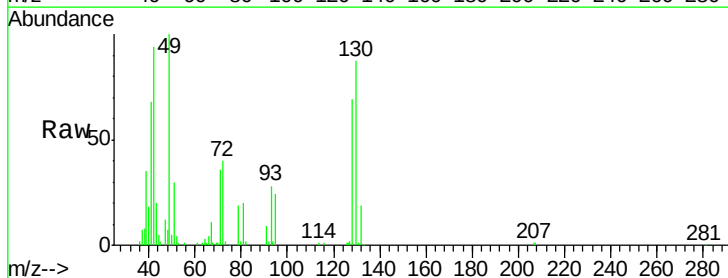
MMDadoda
8/17/2020 5:45:54 PM

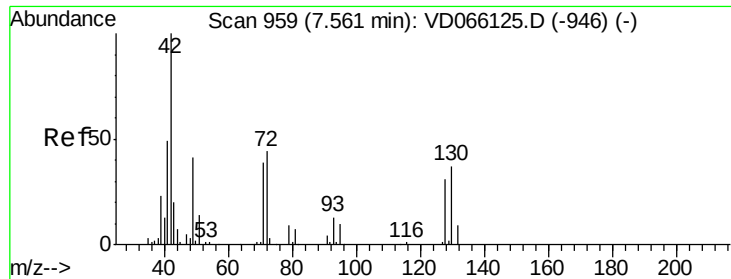


#28

Bromochloromethane
Concen: 49.482 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	6.0
130	89.7	73.8	110.6





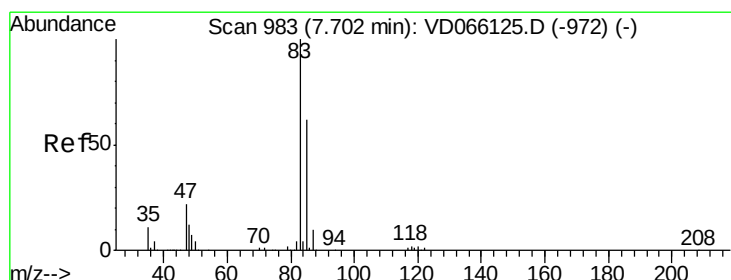
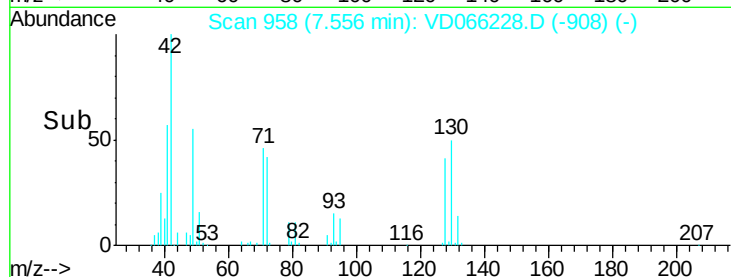
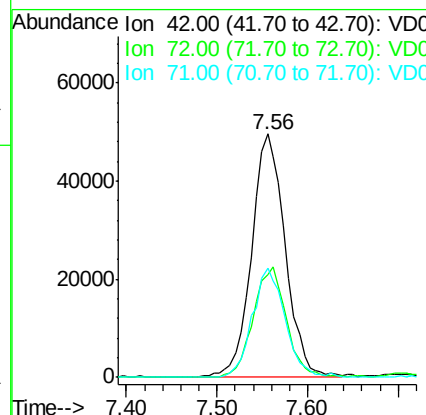
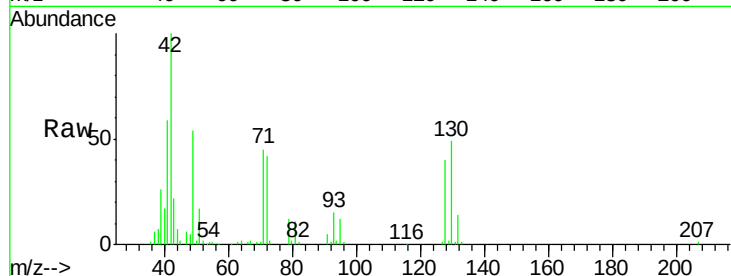
#29
Tetrahydrofuran
Concen: 244.458 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	34.8	52.2
71	43.5	33.5	50.3

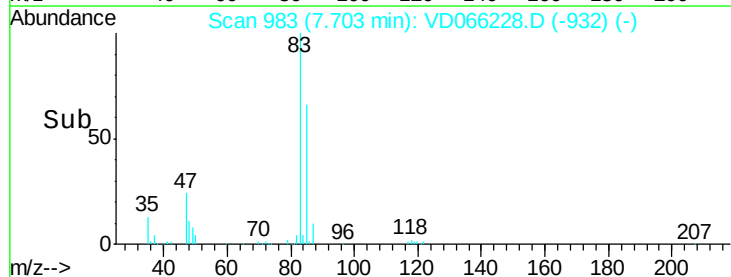
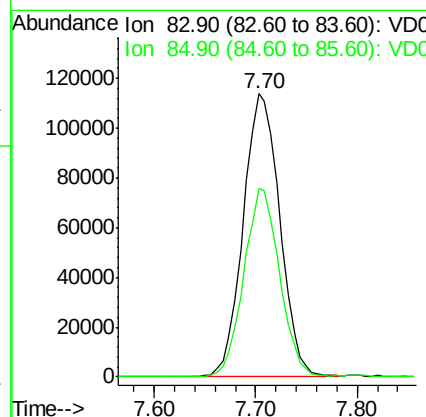
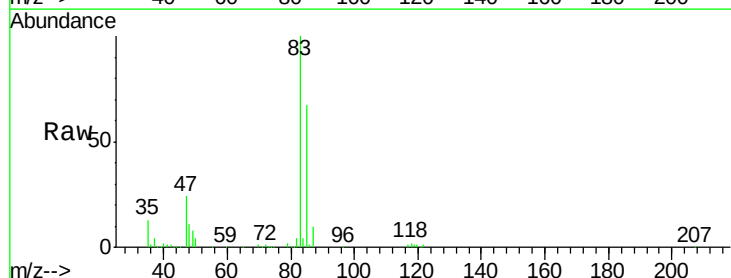
Manual Integrations
APPROVED

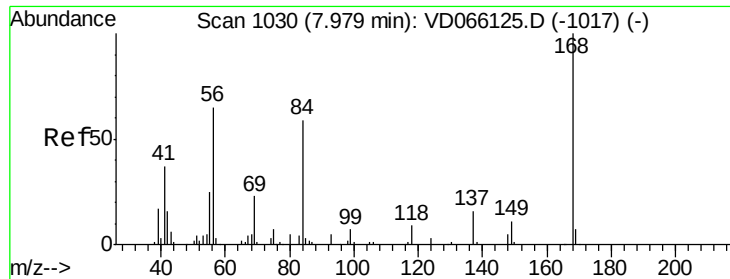
MMDadoda
8/17/2020 5:45:54 PM



#30
Chloroform
Concen: 48.803 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	49.5	74.3





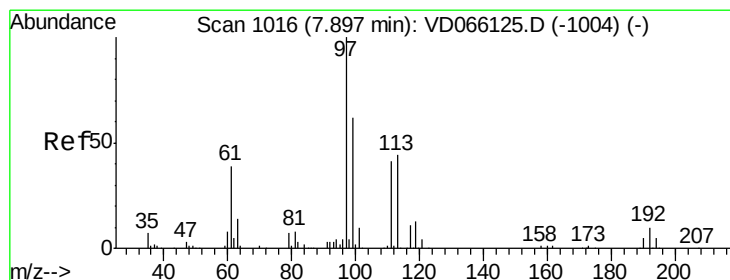
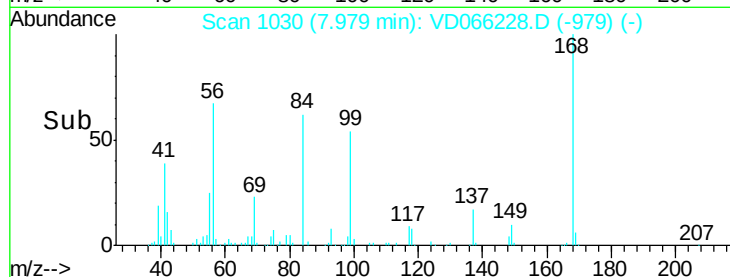
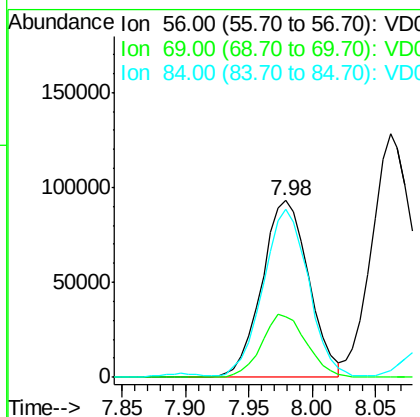
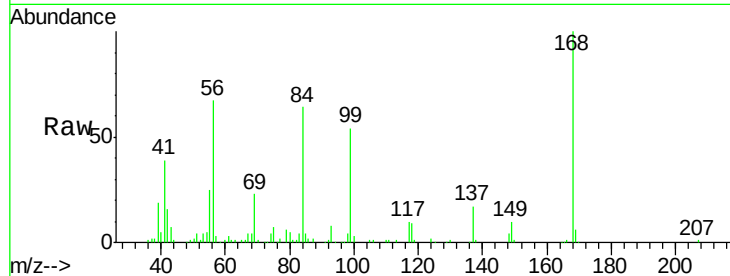
#31
Cyclohexane
Concen: 45.038 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.5	28.8	43.2
84	93.4	73.0	109.6

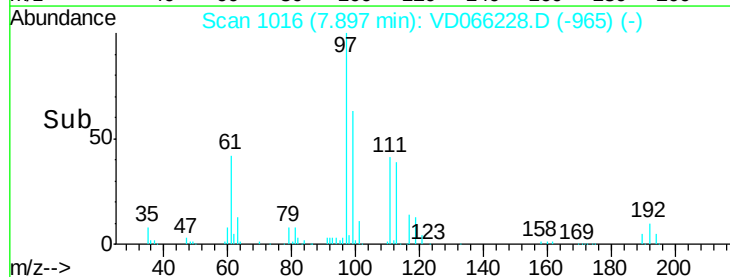
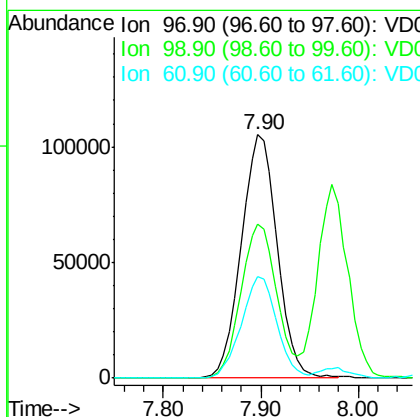
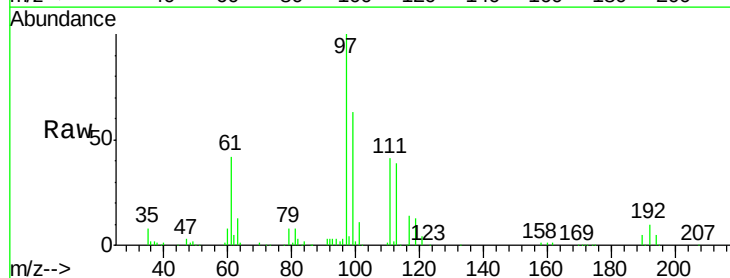
Manual Integrations
APPROVED

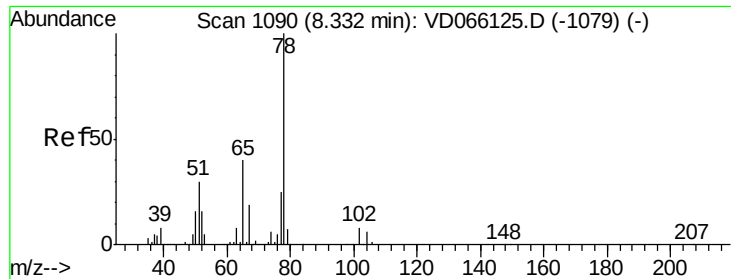
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.211 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.1	76.7
61	41.4	32.7	49.1





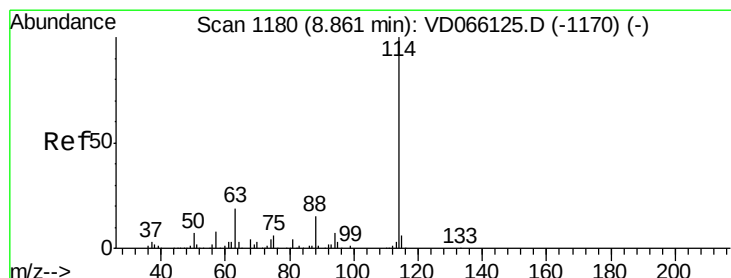
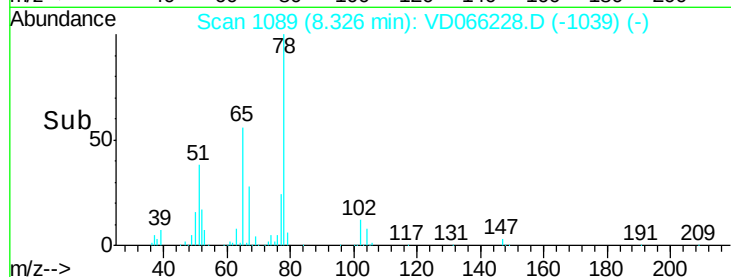
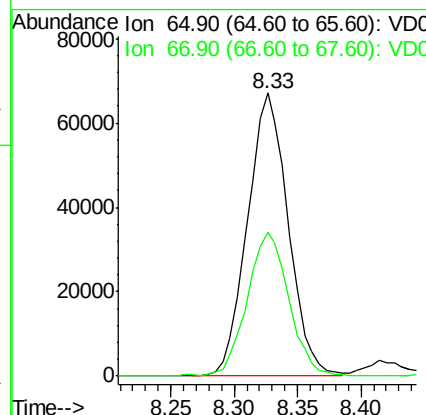
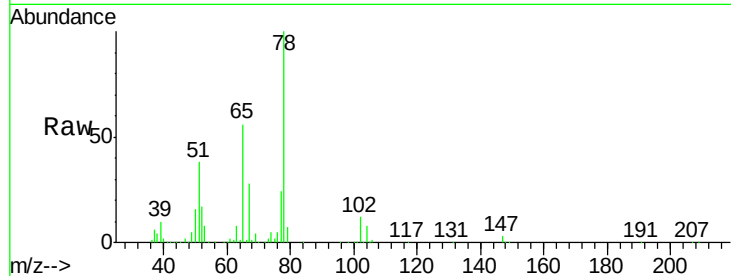
#33
 1,2-Dichloroethane-d4
 Concen: 49.519 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	149750		
67	52.0	0.0	104.6	

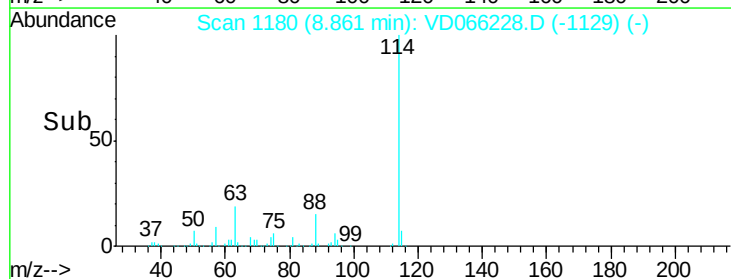
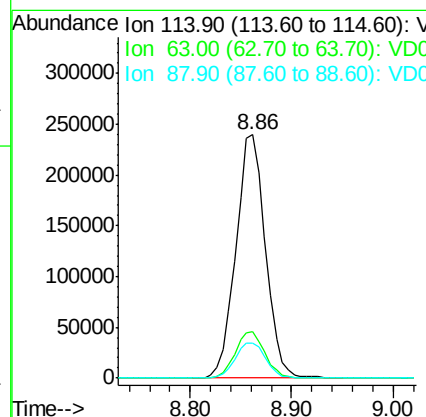
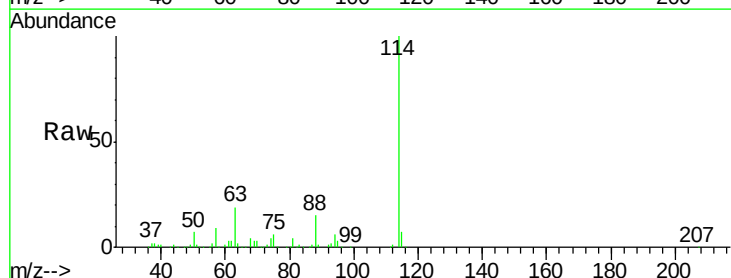
Manual Integrations
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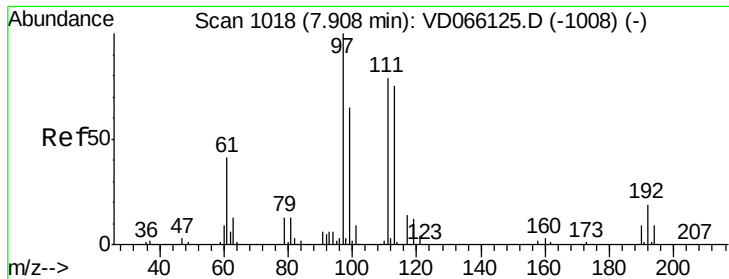
MMDadoda
 8/17/2020 5:45:54 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	485287		
63	19.0	0.0	38.6	
88	14.5	0.0	30.0	





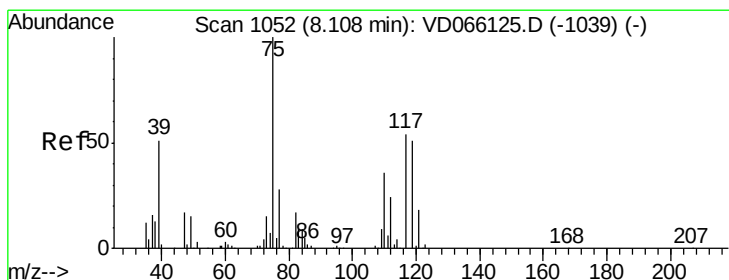
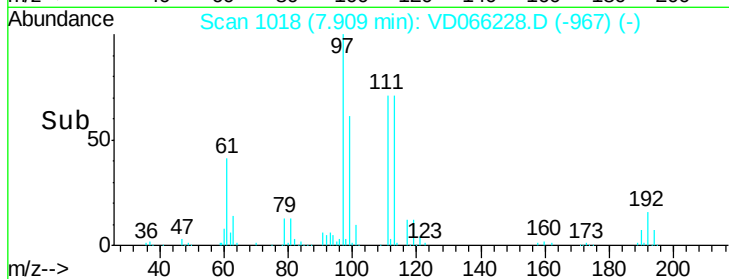
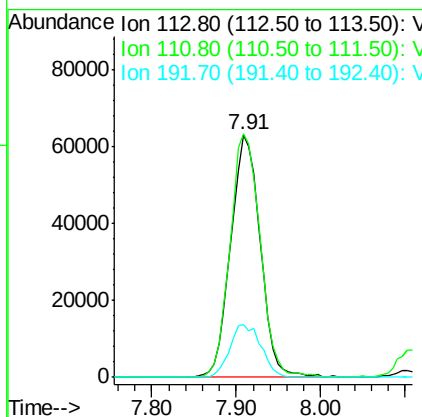
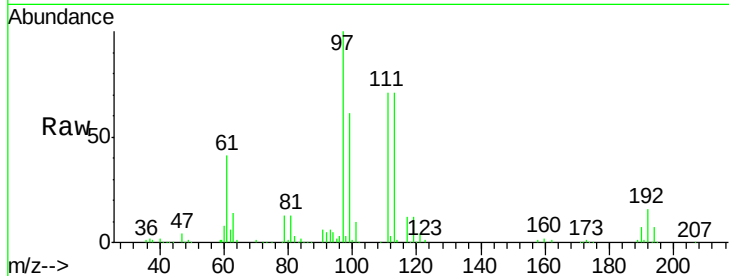
#35
 Dibromofluoromethane
 Concen: 49.437 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151980		
111	102.7	80.7	121.1	
192	23.1	18.4	27.6	

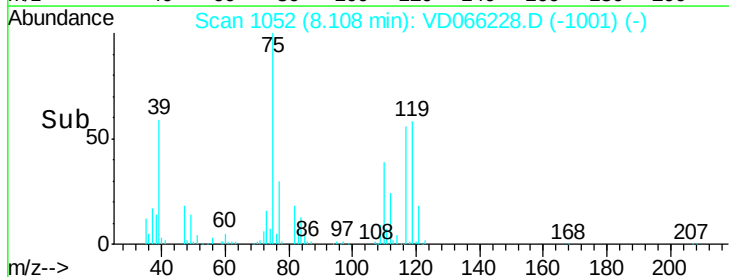
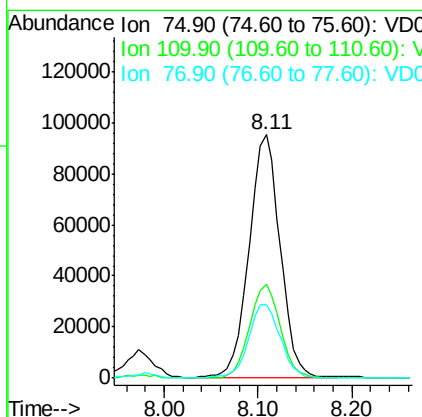
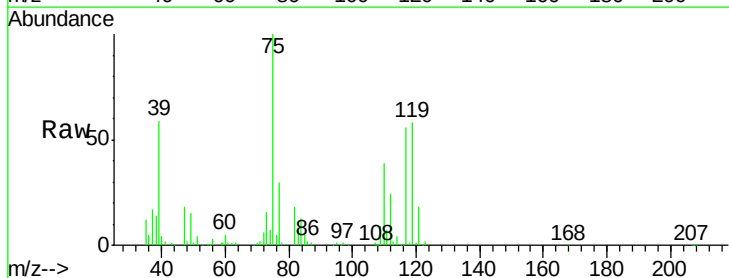
Manual Integrations
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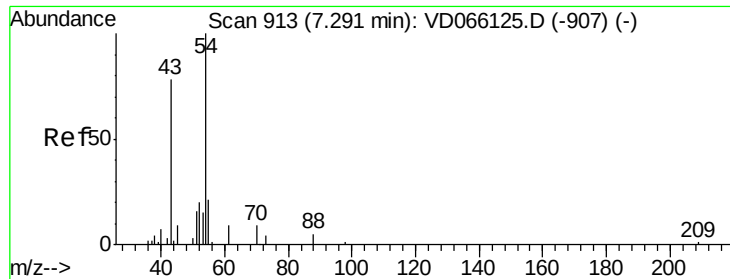
MMDadoda
 8/17/2020 5:45:54 PM



#36
 1,1-Dichloropropene
 Concen: 48.035 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	219051		
110	37.7	18.8	56.3	
77	31.1	24.2	36.2	





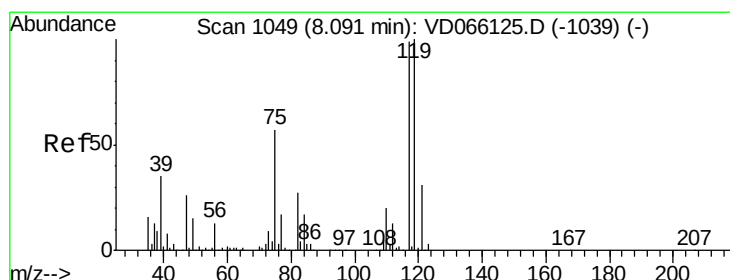
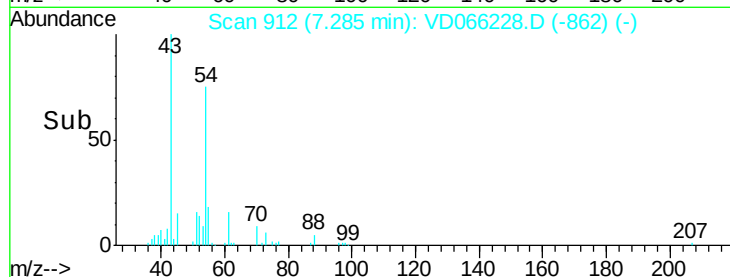
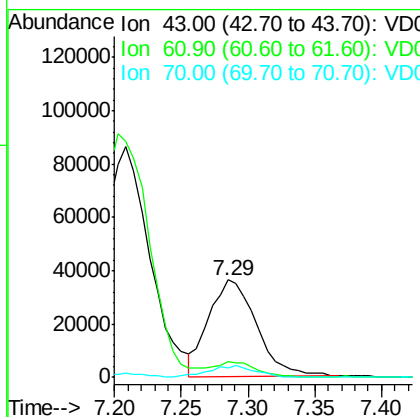
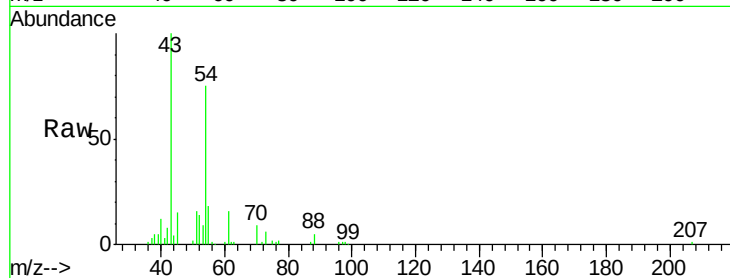
#37
Ethyl Acetate
Concen: 49.917 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	12.0	18.0
70	11.4	9.7	14.5

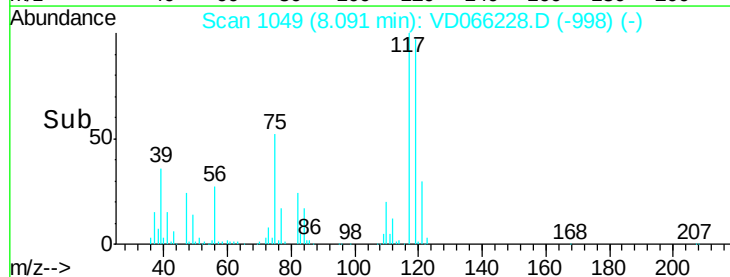
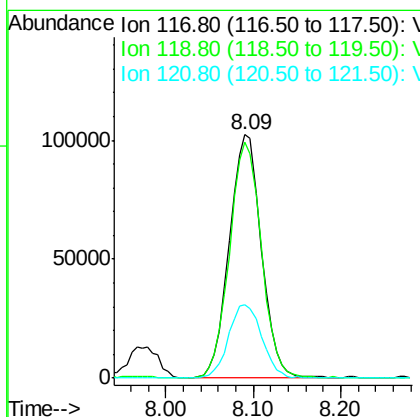
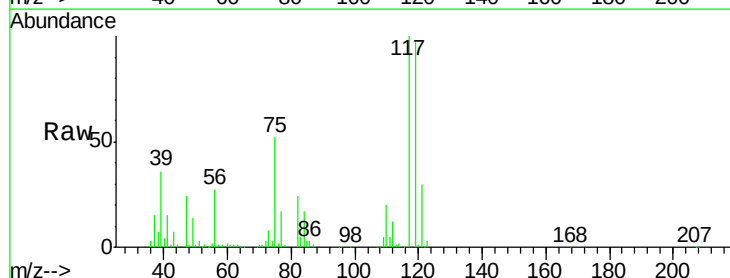
Manual Integrations
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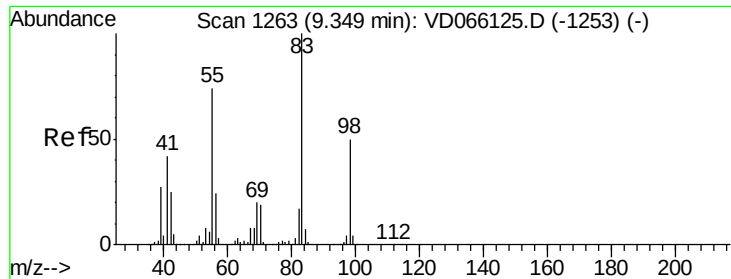
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#38
Carbon Tetrachloride
Concen: 50.007 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	81.0	121.4
121	29.9	24.8	37.2





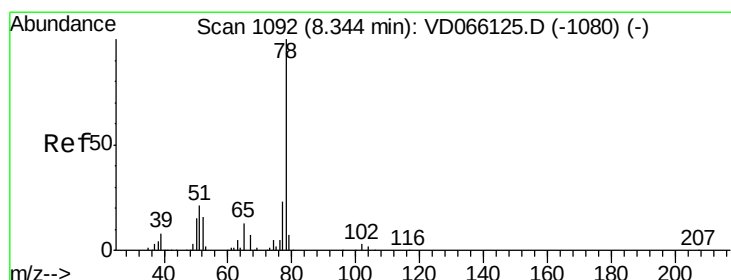
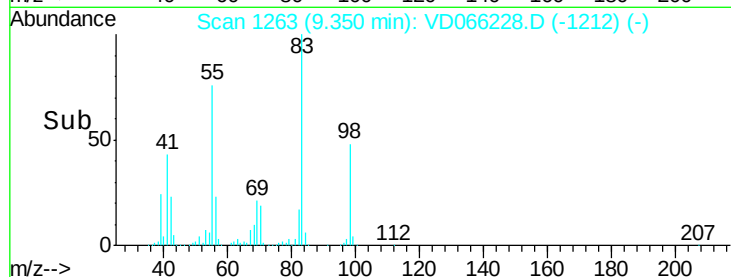
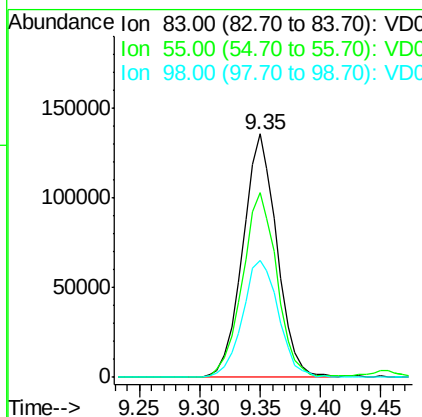
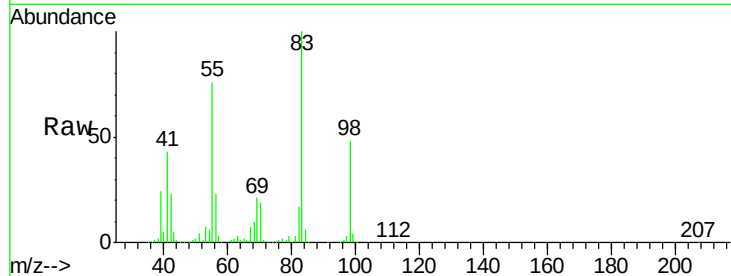
#39
Methylvlcyclohexane
Concen: 48.489 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	267300		
55	75.9		59.2	88.8
98	48.0		39.8	59.6

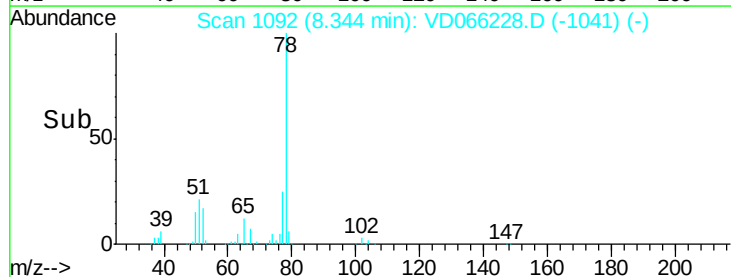
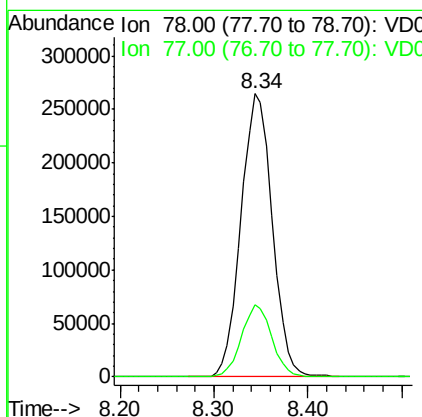
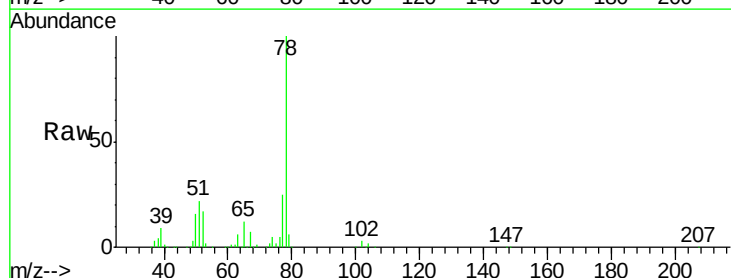
Manual Integrations
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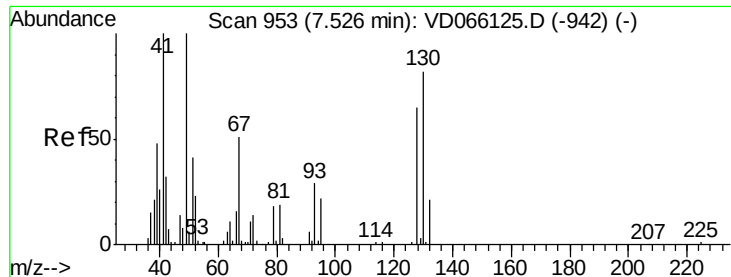
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#40
Benzene
Concen: 48.294 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	610938		
77	25.4		18.6	27.8





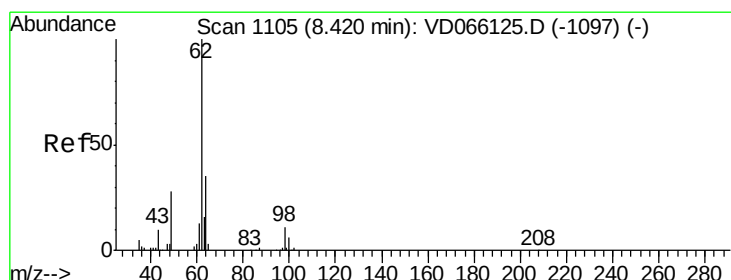
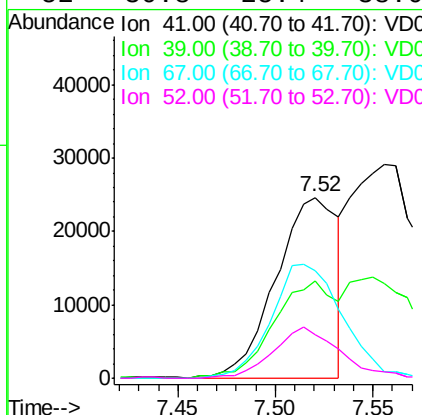
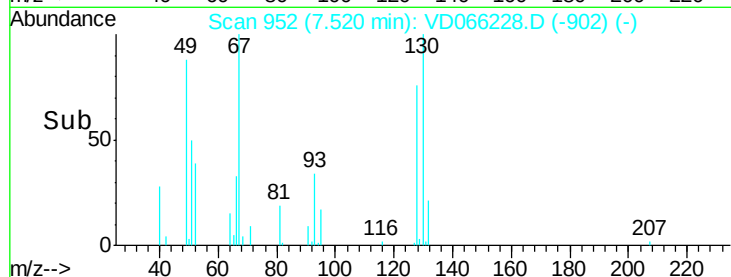
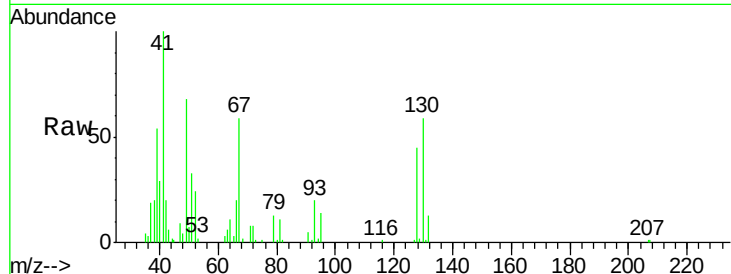
#41
Methacrylonitrile
Concen: 51.067 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	54251
Ion	Ratio	Lower	Upper
41	100		
39	54.0	47.5	71.3
67	73.1	59.1	88.7
52	30.8	25.4	38.0

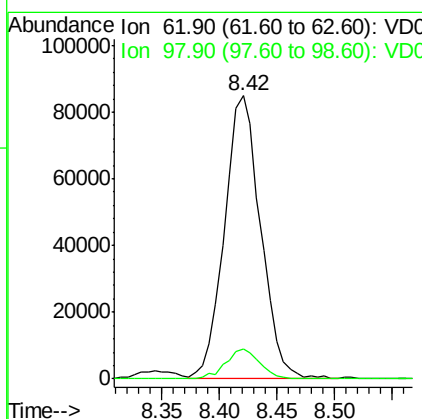
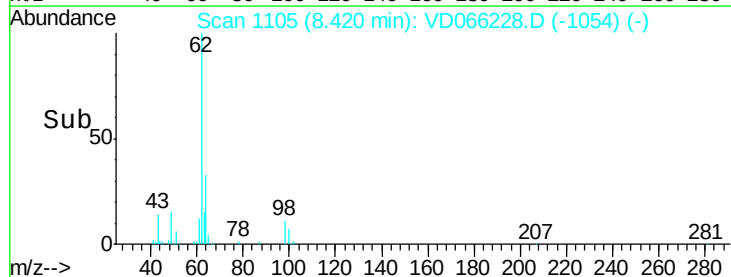
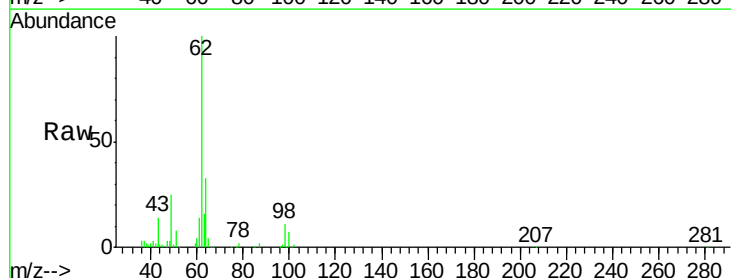
Manual Integrations
APPROVED

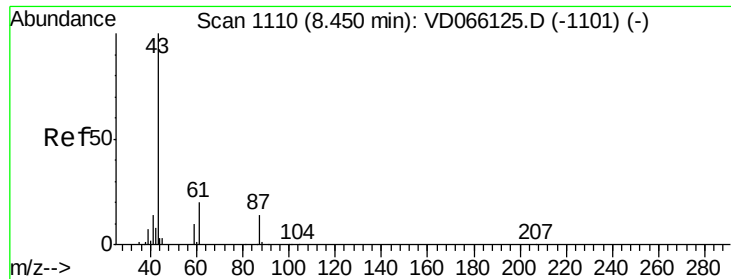
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#42
1,2-Dichloroethane
Concen: 49.244 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	62	Resp	183008
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.4





#43

Isopropyl Acetate

Concen: 51.158 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

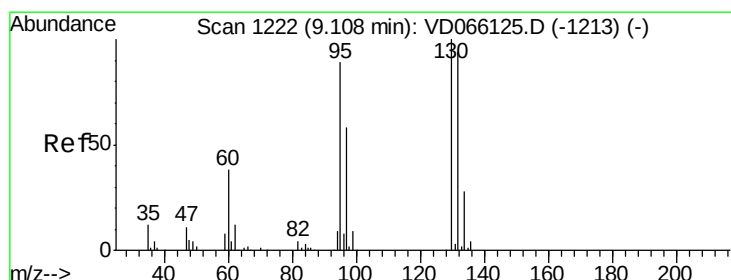
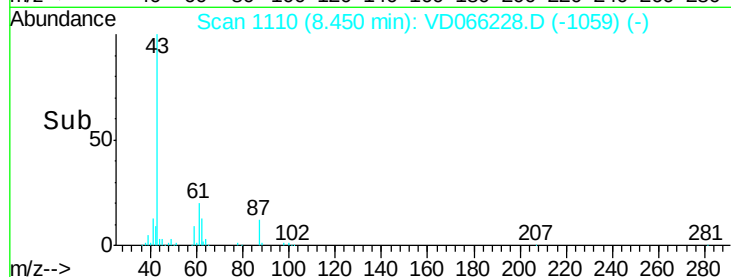
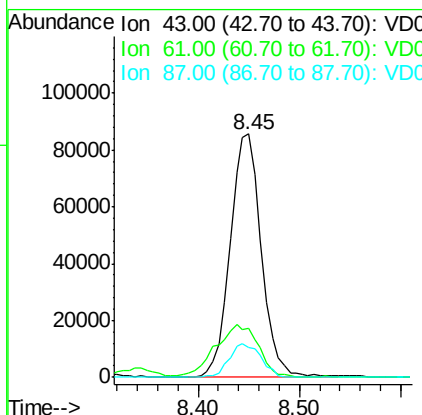
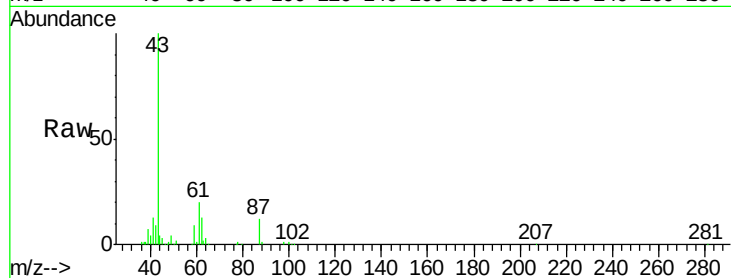
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	182122
Ion	Ratio	Lower	Upper
43	100		
61	30.1	25.5	38.3
87	14.3	11.2	16.8

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#44

Trichloroethene

Concen: 48.045 ug/l

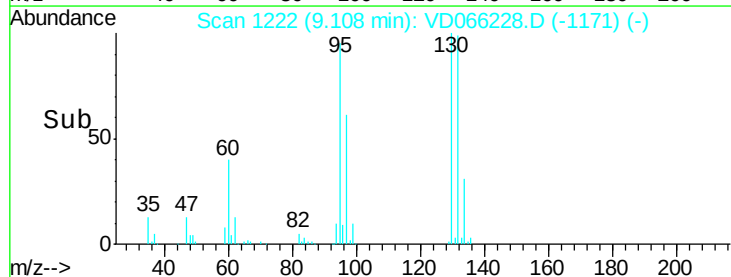
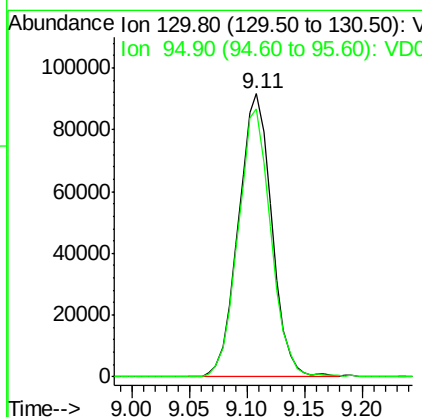
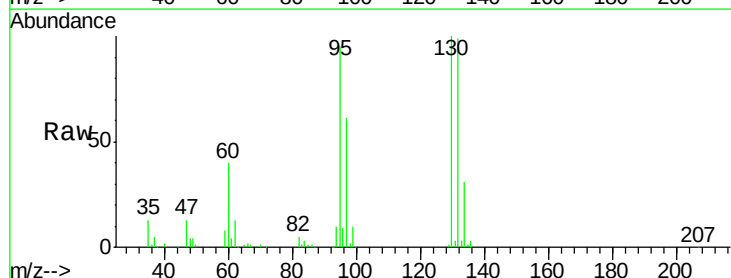
RT: 9.11 min Scan# 1222

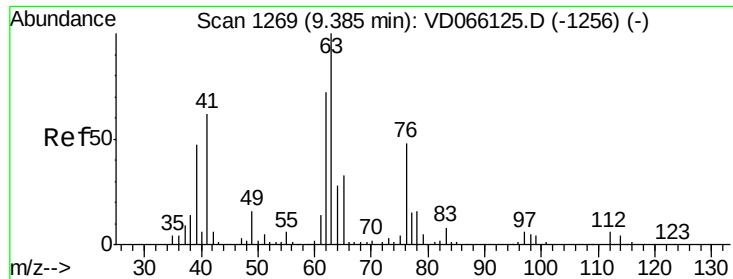
Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Tgt Ion:	130	Resp:	183149
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	178.4





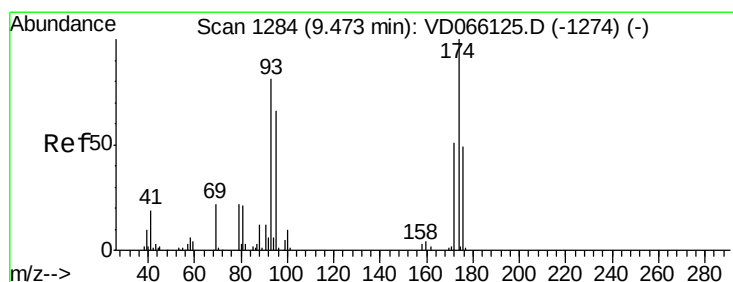
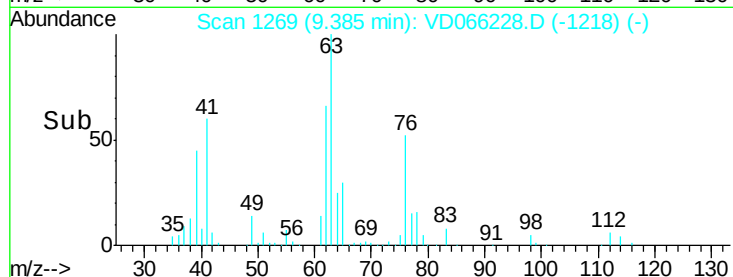
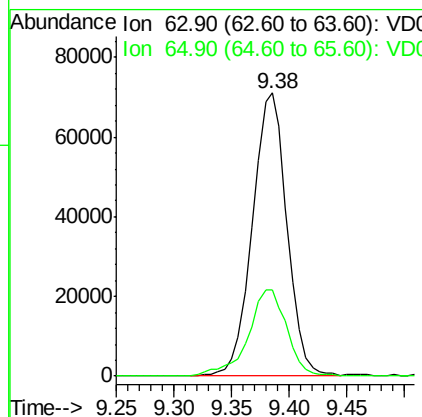
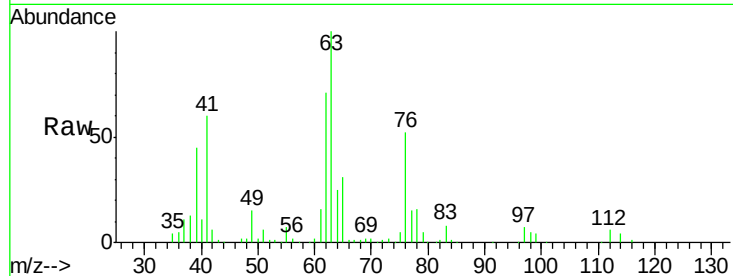
#45
 1,2-Dichloropropane
 Concen: 47.971 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 148419
 Ion Ratio Lower Upper
 63 100
 65 30.6 26.5 39.7

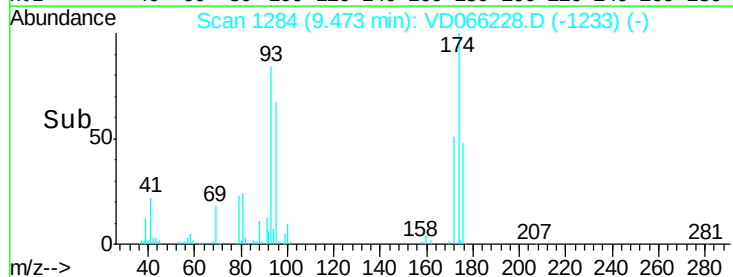
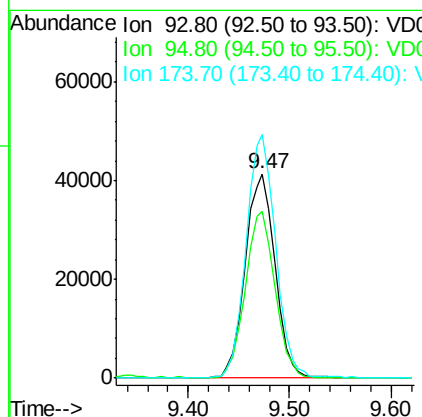
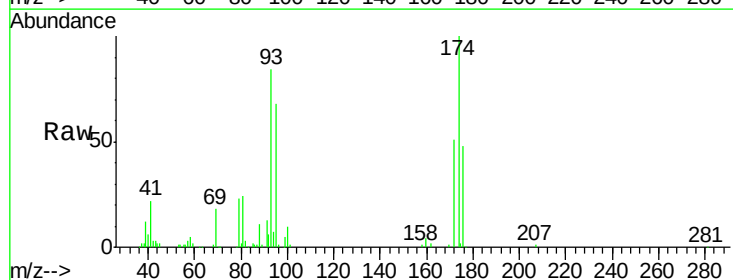
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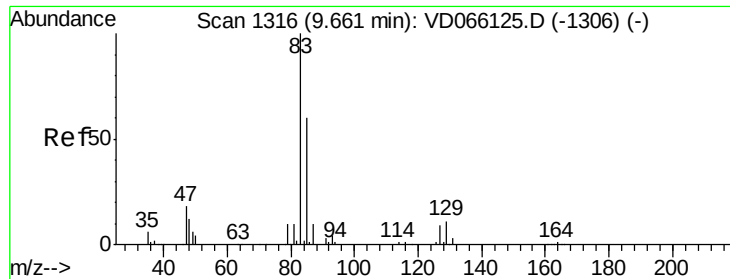
MMDadoda
 8/17/2020 5:45:54 PM



#46
 Dibromomethane
 Concen: 49.486 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion: 93 Resp: 84335
 Ion Ratio Lower Upper
 93 100
 95 81.3 65.8 98.6
 174 117.6 92.8 139.2





#47

Bromodichloromethane

Concen: 50.149 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

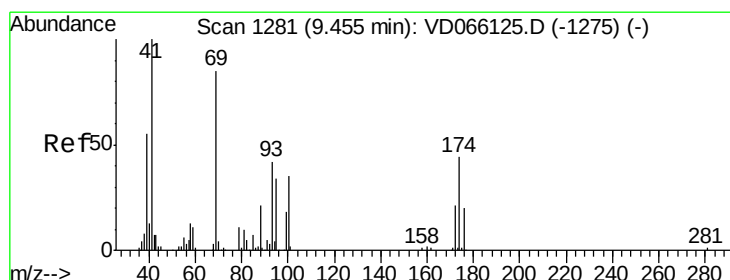
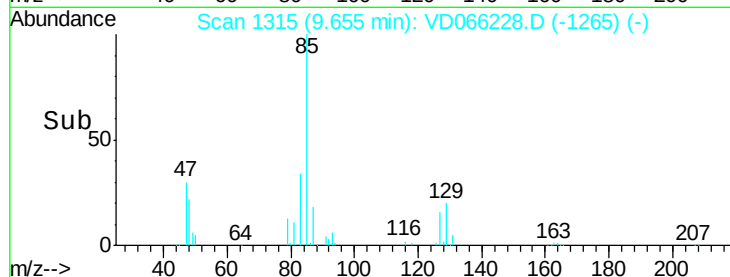
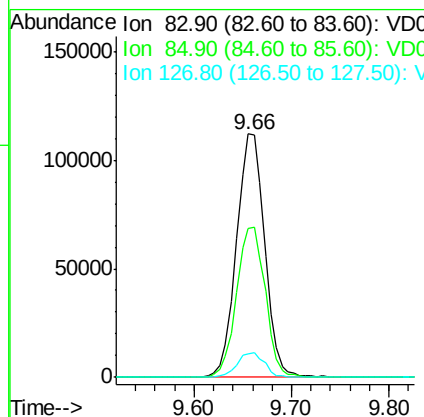
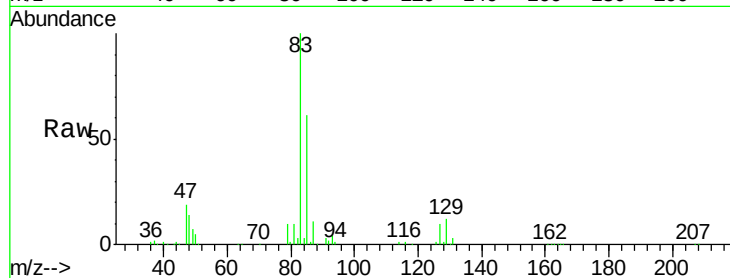
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	225885
Ion Ratio	Lower	Upper	
83	100		
85	61.2	48.2	72.4
127	9.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.384 ug/l

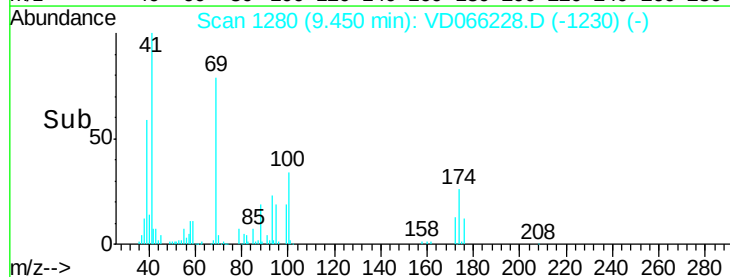
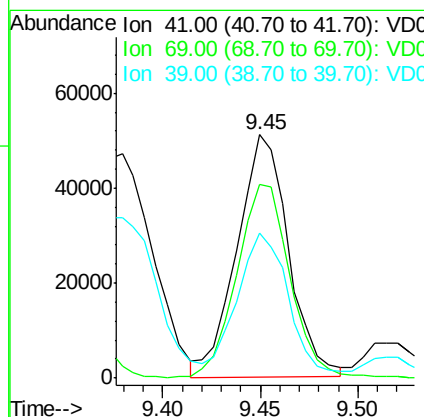
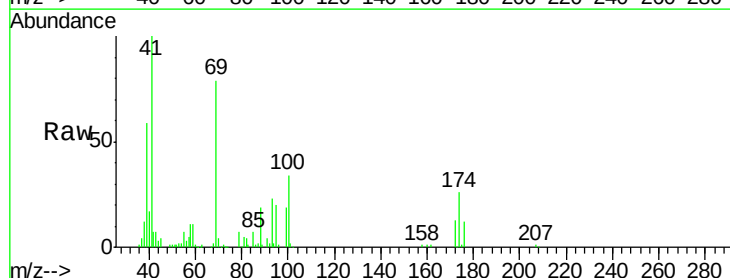
RT: 9.45 min Scan# 1280

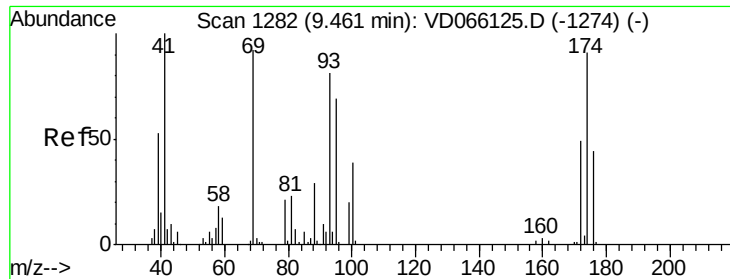
Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Tgt Ion:	41	Resp:	93406
Ion Ratio	Lower	Upper	
41	100		
69	82.1	63.9	95.9
39	53.9	42.6	64.0





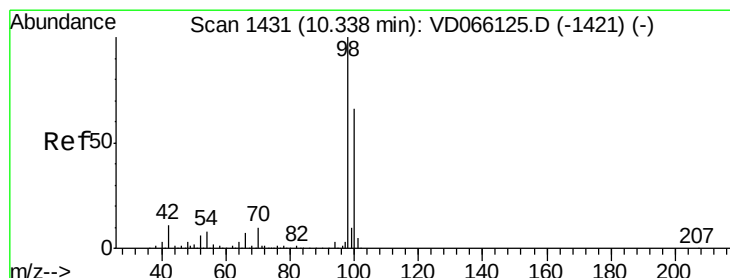
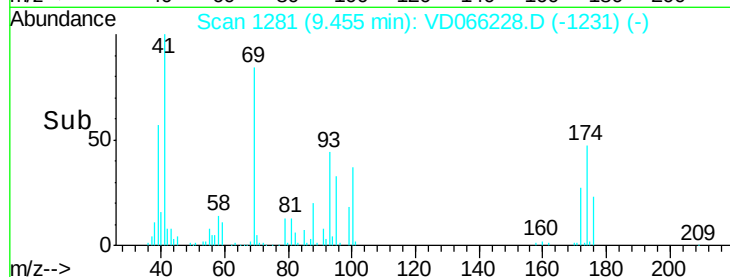
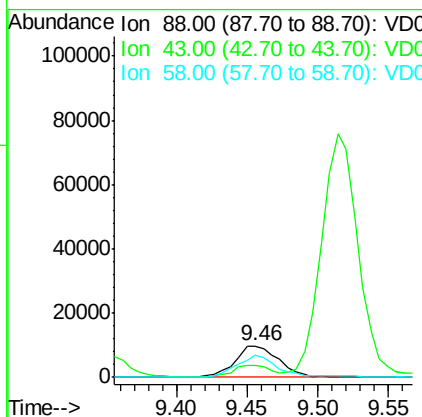
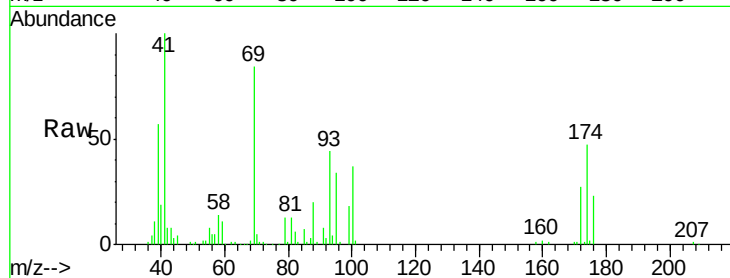
#49
 1,4-Dioxane
 Concen: 969.623 ug/l
 RT: 9.46 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	27.5	41.3
58	64.5	50.2	75.4

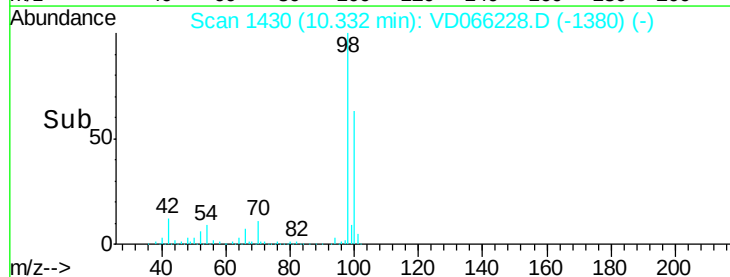
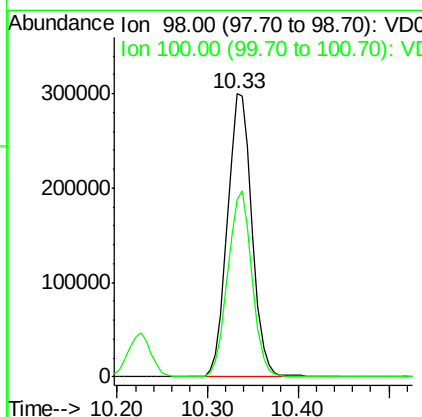
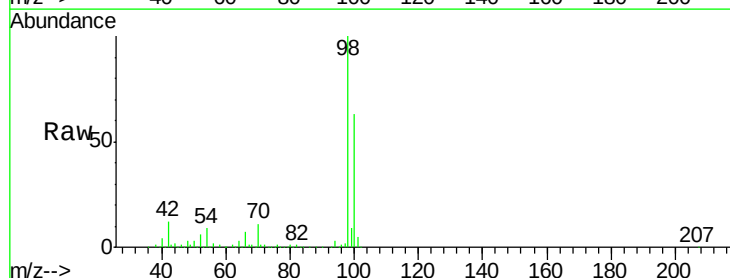
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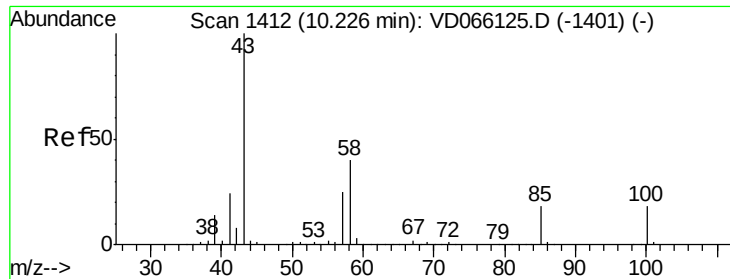
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#50
 Toluene-d8
 Concen: 49.749 ug/l
 RT: 10.33 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.6	78.8





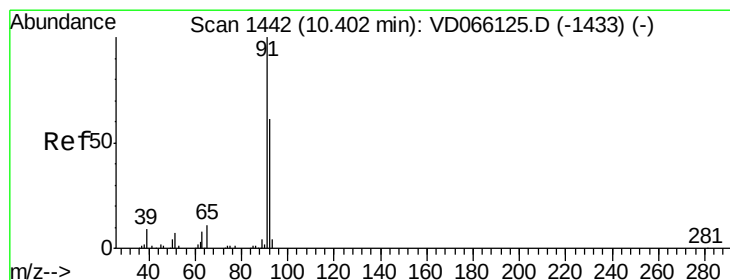
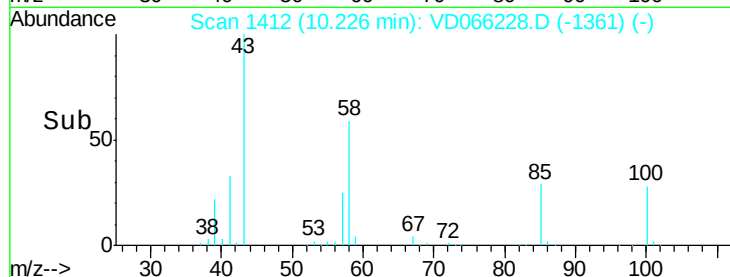
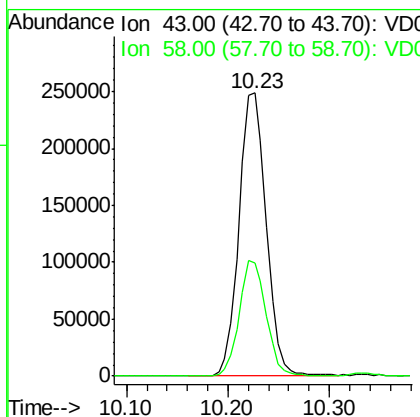
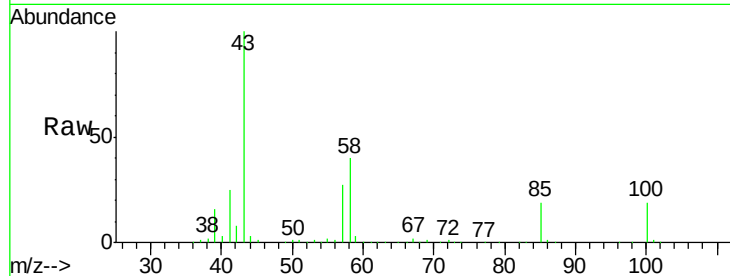
#51
4-Methyl-2-Pentanone
Concen: 254.289 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	31.1	46.7

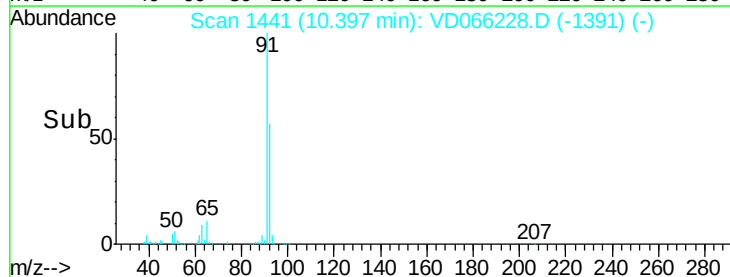
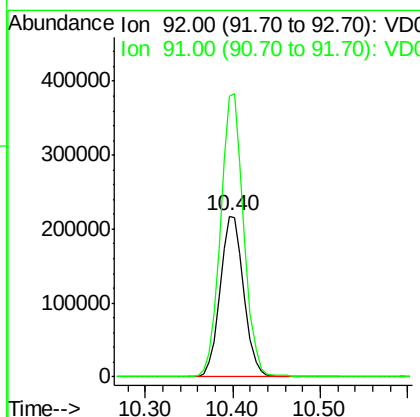
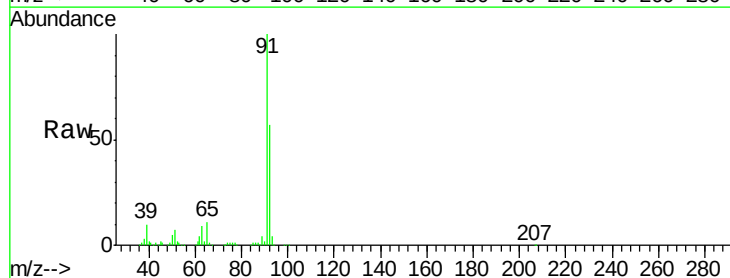
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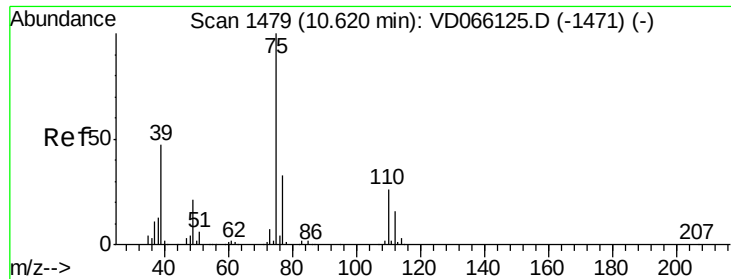
MMDadoda
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#52
Toluene
Concen: 48.782 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	135.2	202.8





#53

t-1,3-Dichloropropene

Concen: 51.402 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 219722

Ion Ratio Lower Upper

75 100

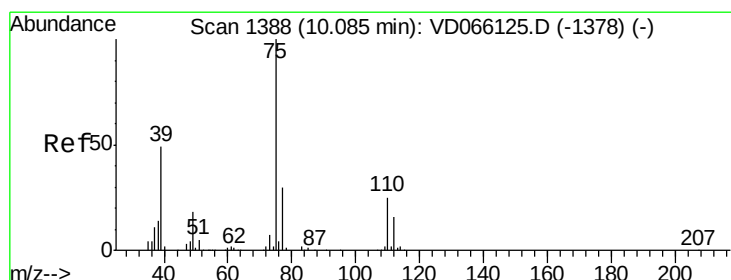
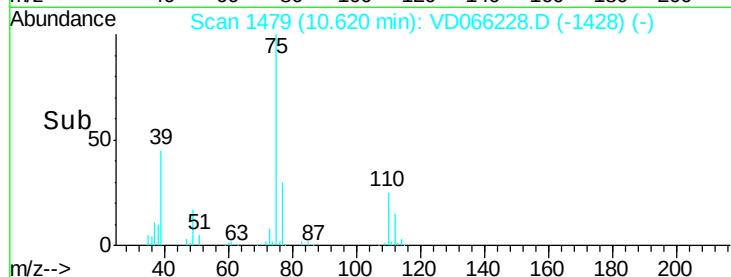
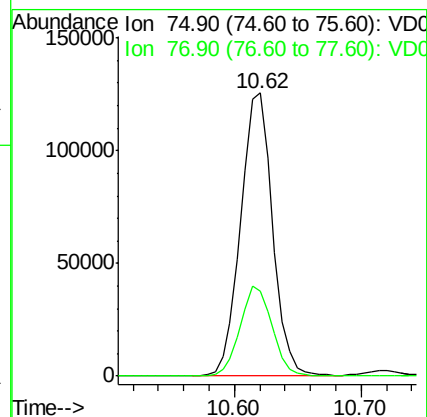
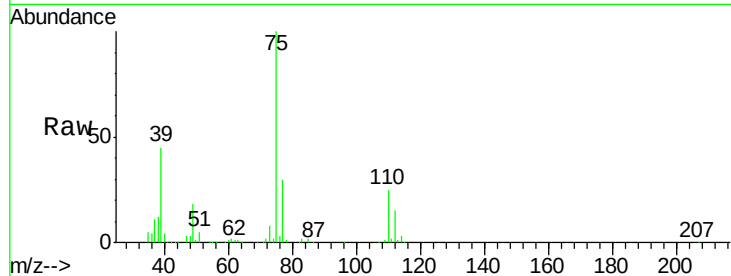
77 30.0 26.2 39.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 50.667 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

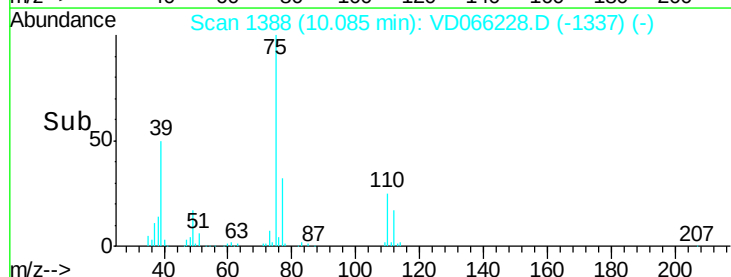
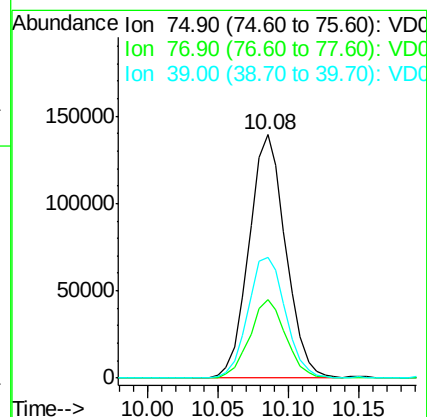
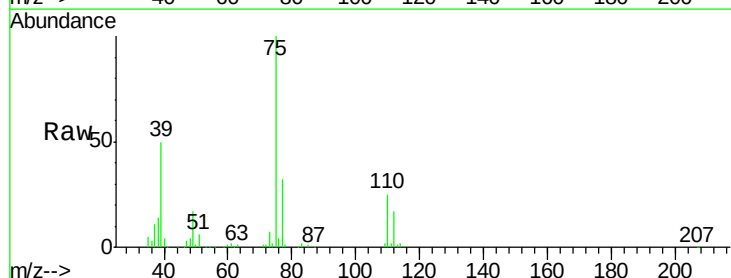
Tgt Ion: 75 Resp: 253753

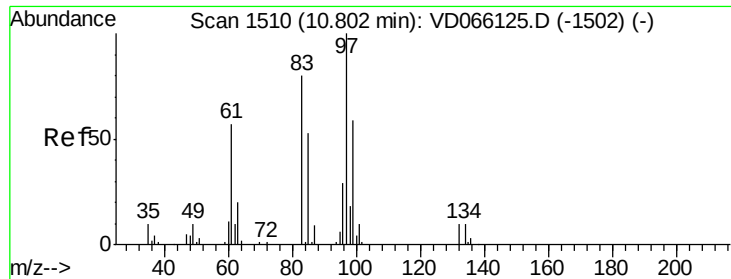
Ion Ratio Lower Upper

75 100

77 32.1 24.3 36.5

39 49.5 39.3 58.9





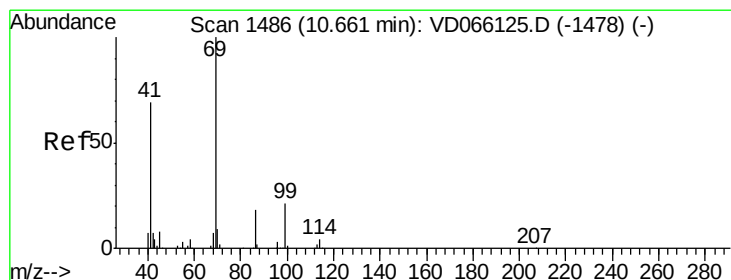
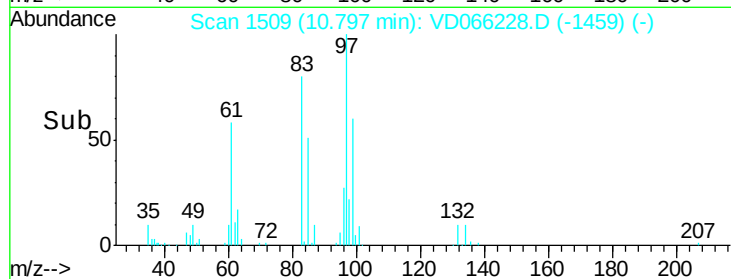
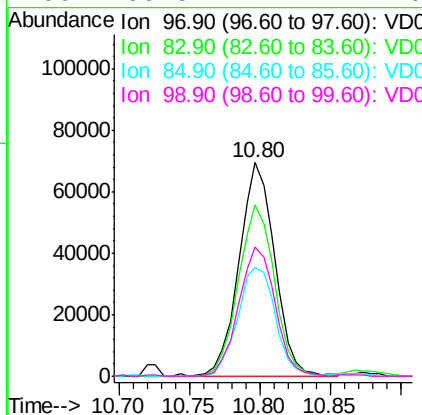
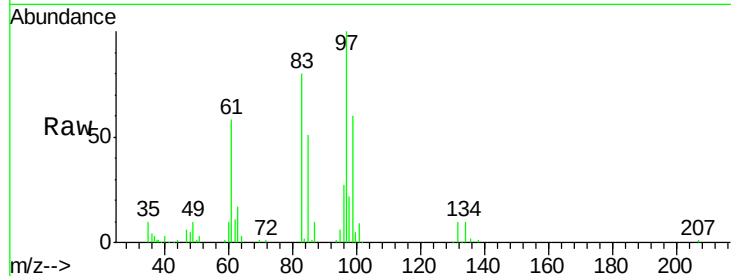
#55
 1,1,2-Trichloroethane
 Concen: 49.654 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		121851		
83	80.7	63.9	95.9		
85	51.2	42.5	63.7		
99	60.5	47.4	71.0		

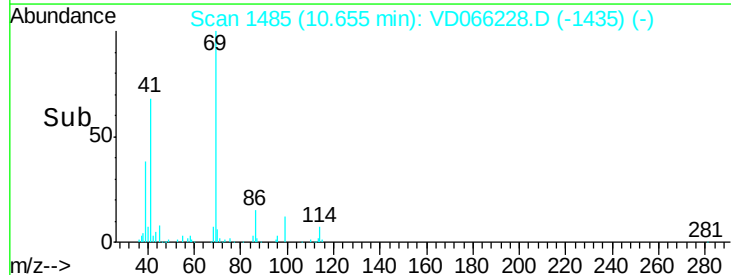
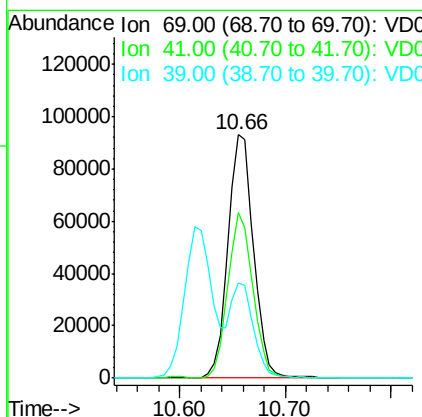
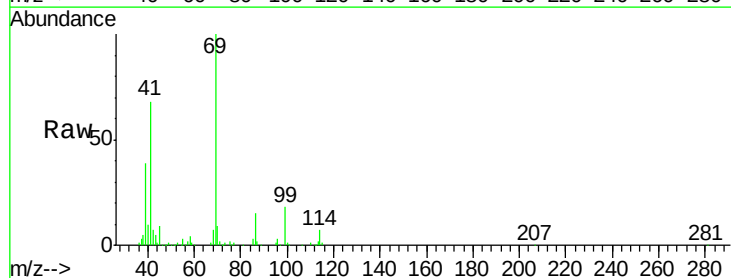
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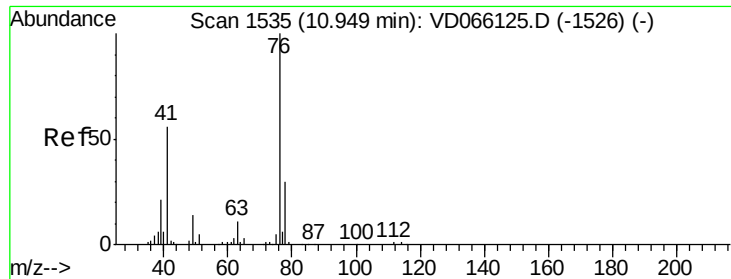
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#56
 Ethyl methacrylate
 Concen: 52.668 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		155265		
41	67.2	54.1	81.1		
39	33.1	28.6	43.0		





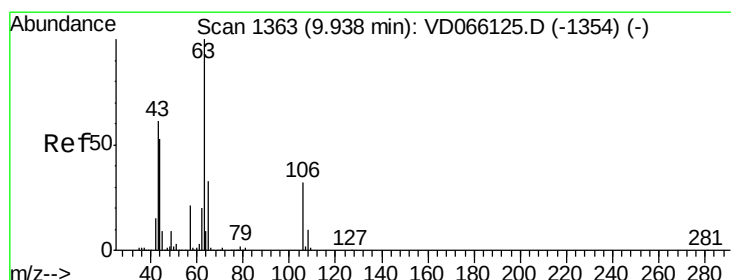
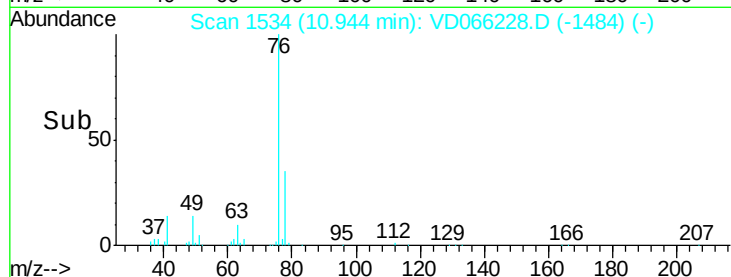
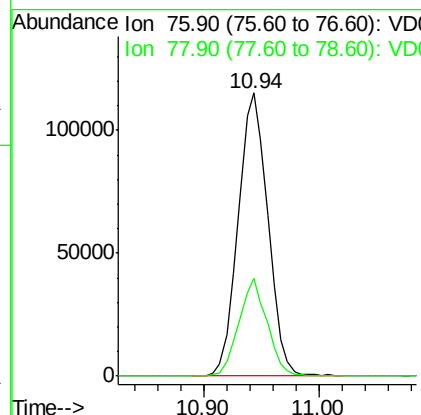
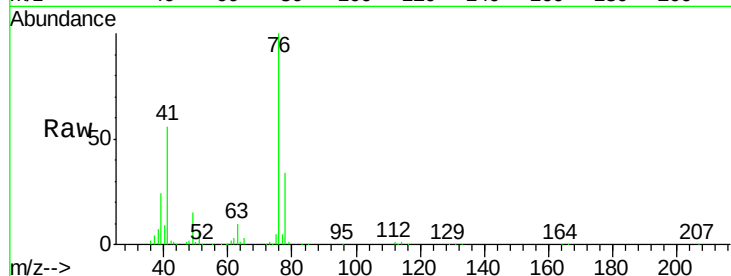
#57
 1,3-Dichloropropane
 Concen: 50.437 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.5	38.3

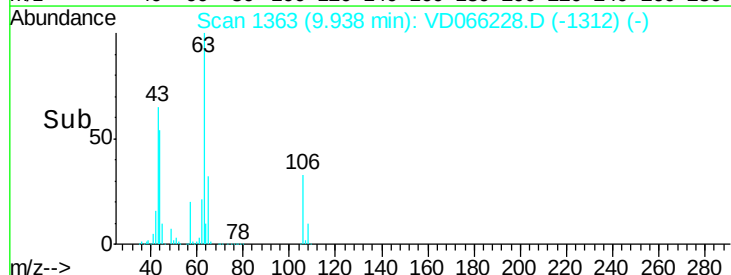
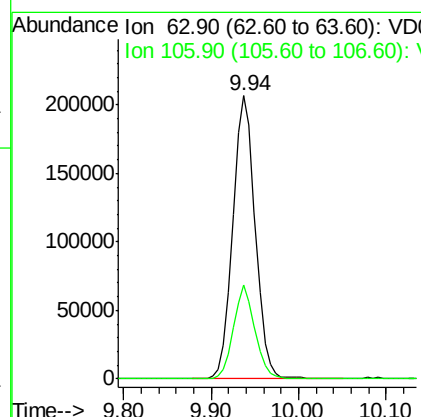
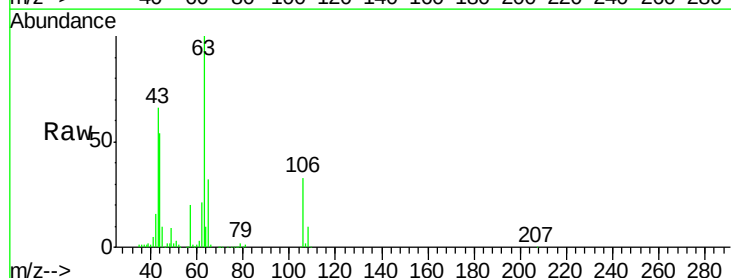
Manual Integrations
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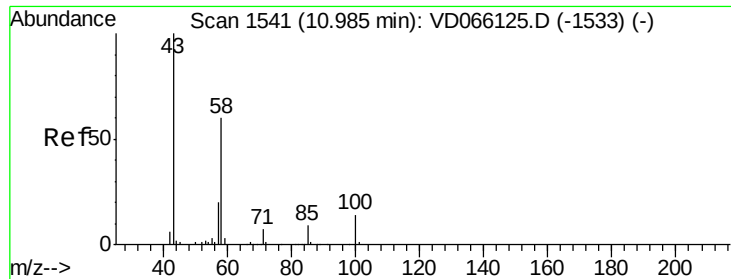
MMDadoda
 8/17/2020 5:45:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 272.614 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.7	25.3	37.9





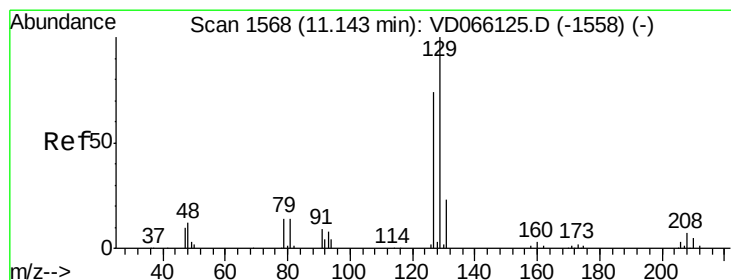
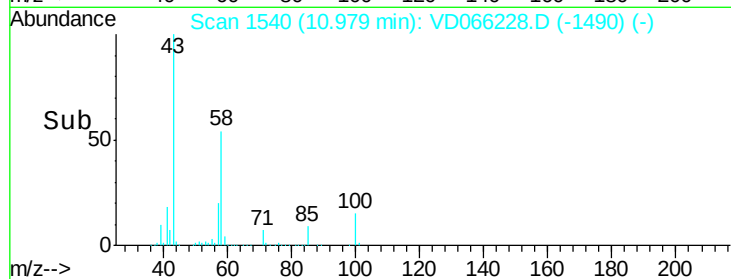
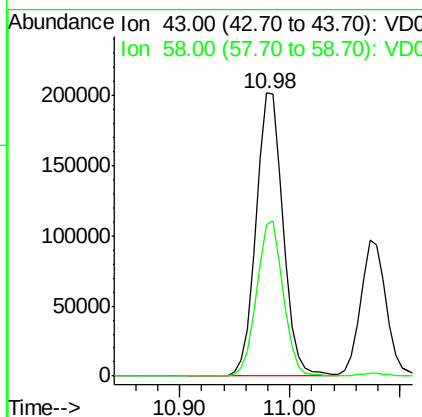
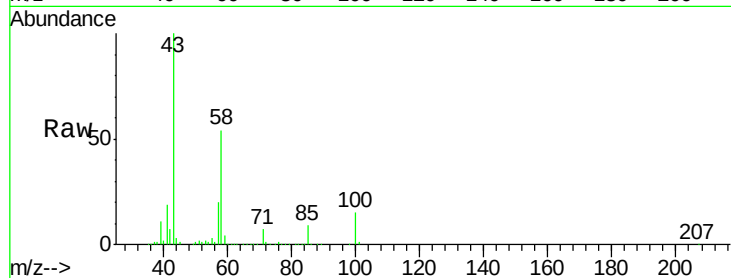
#59
2-Hexanone
Concen: 271.269 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 348133
Ion Ratio Lower Upper
43 100
58 53.8 27.8 83.4

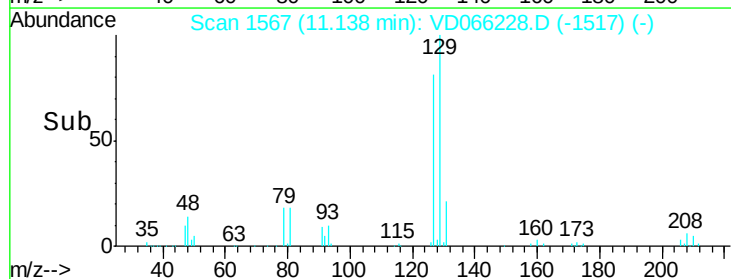
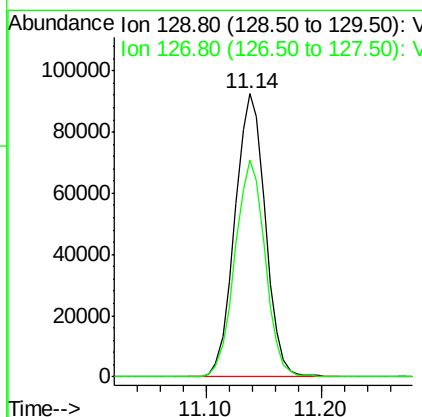
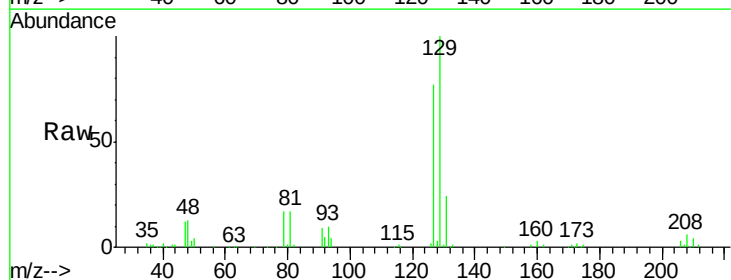
Manual Integrations
APPROVED

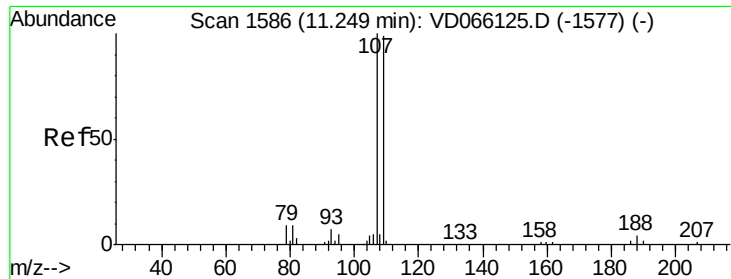
MMDadoda
8/17/2020 5:45:54 PM



#60
Dibromochloromethane
Concen: 49.835 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion: 129 Resp: 168838
Ion Ratio Lower Upper
129 100
127 76.0 38.0 114.1





#61

1,2-Dibromoethane

Concen: 50.019 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 118048

Ion Ratio Lower Upper

107 100

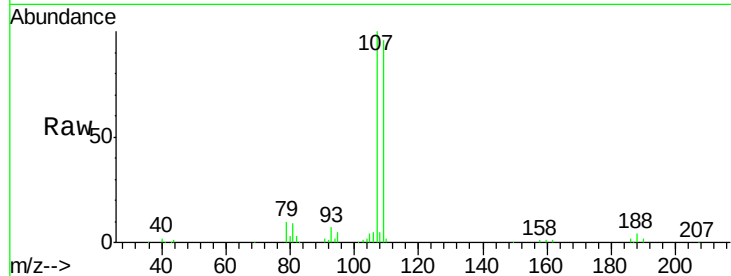
109 93.3 76.5 114.7

Manual Integrations

APPROVED

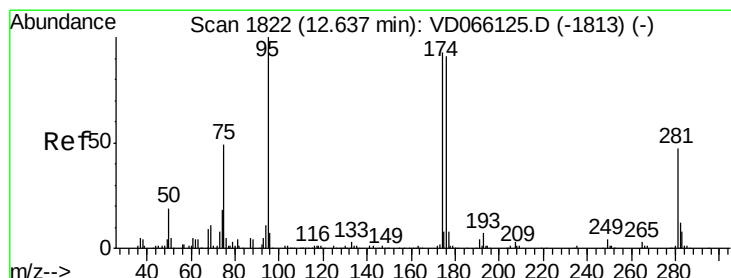
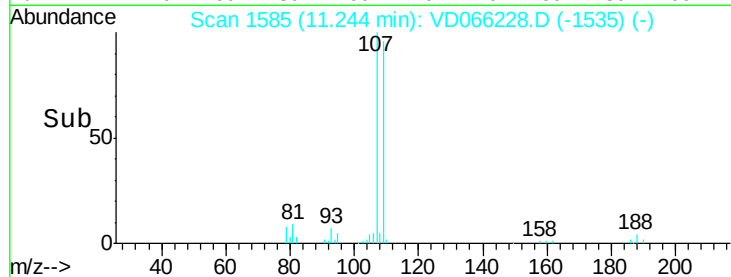
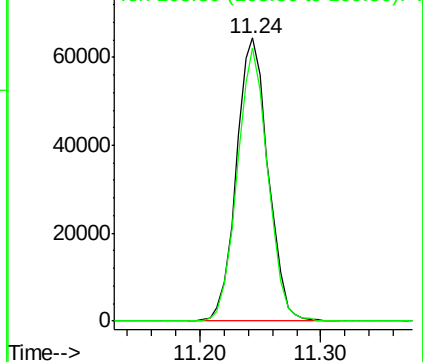
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.833 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

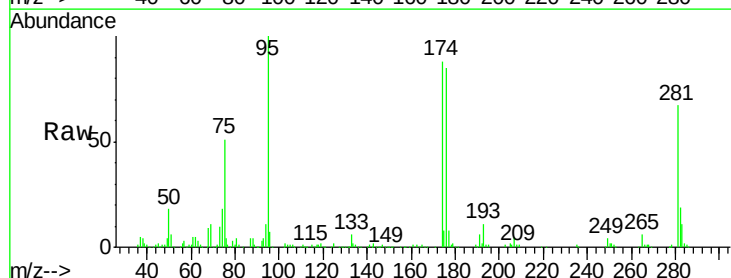
Tgt Ion: 95 Resp: 199696

Ion Ratio Lower Upper

95 100

174 89.5 0.0 180.8

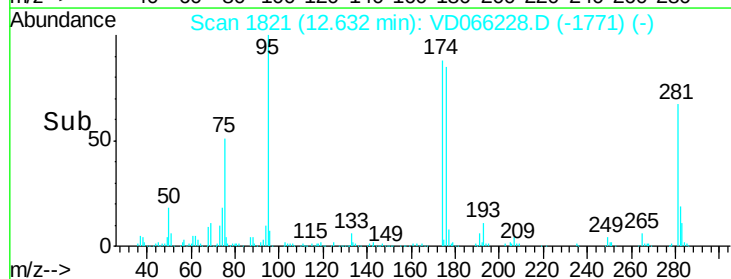
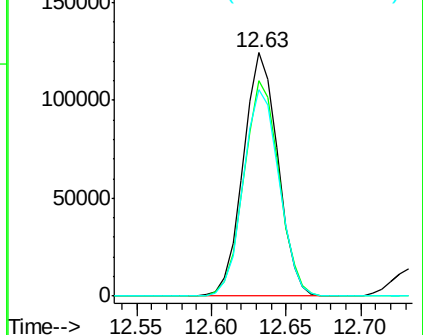
176 87.5 0.0 181.2

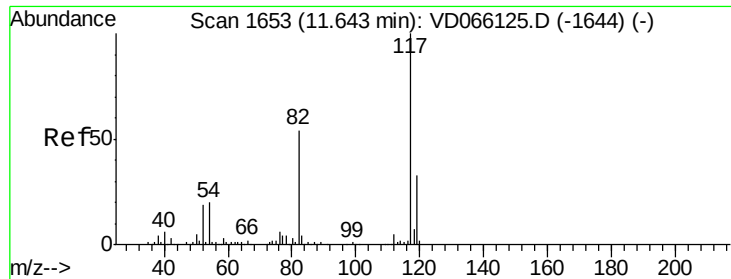


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





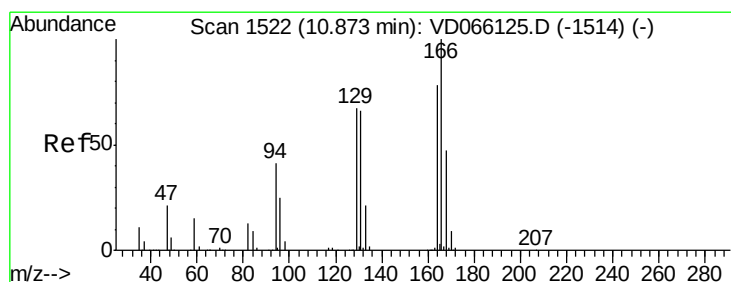
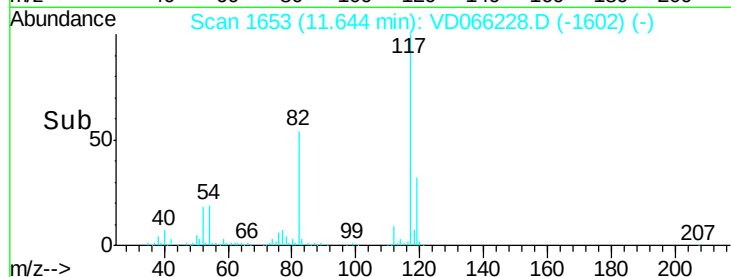
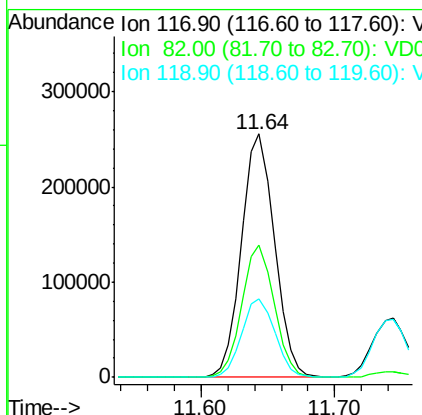
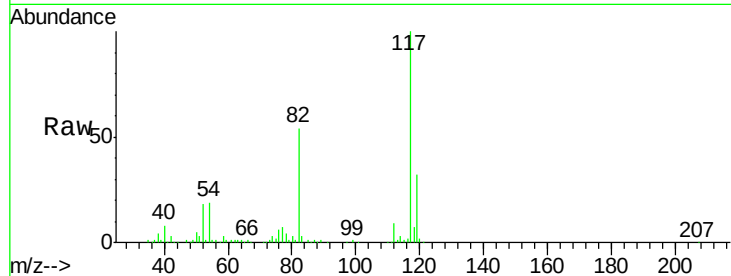
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	438528		
82	54.3	43.0	64.4	
119	32.0	26.1	39.1	

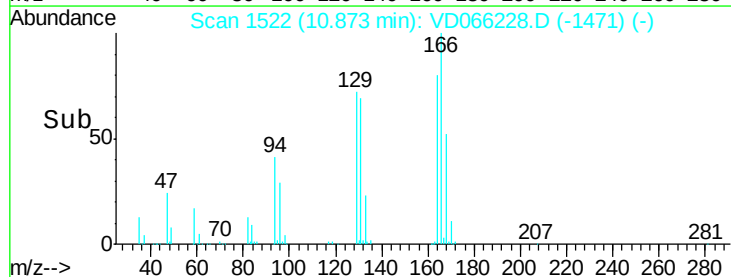
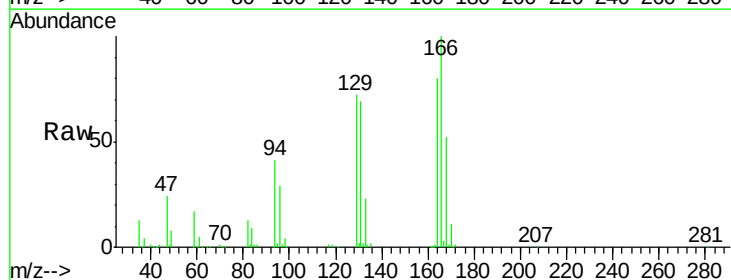
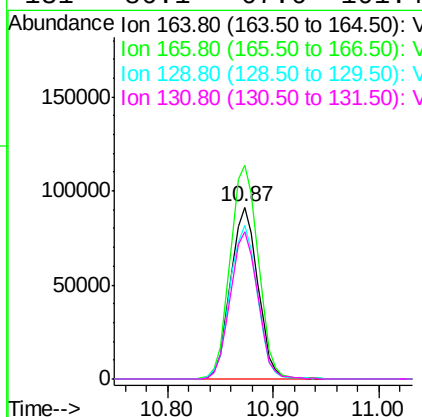
Manual Integrations
APPROVED

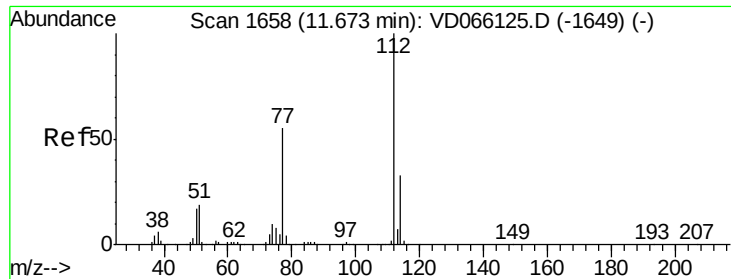
MMDadoda
8/17/2020 5:45:54 PM



#64
Tetrachloroethene
Concen: 48.397 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	162972		
166	124.5	101.9	152.9	
129	89.9	68.1	102.1	
131	86.1	67.6	101.4	





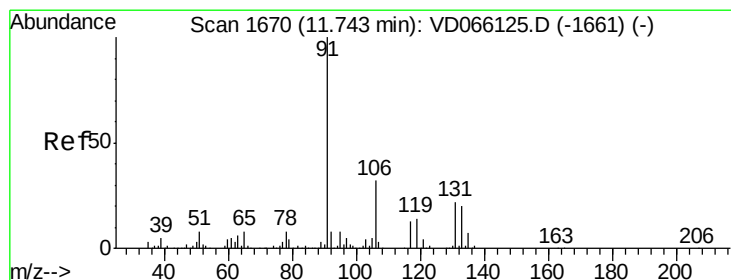
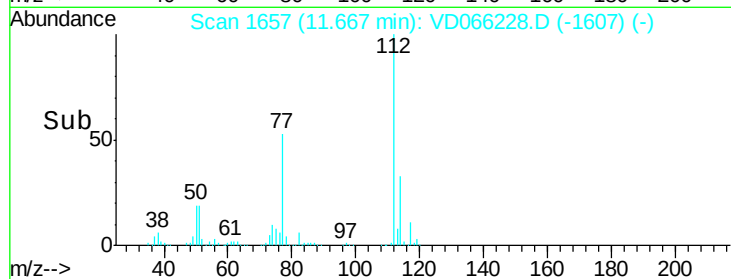
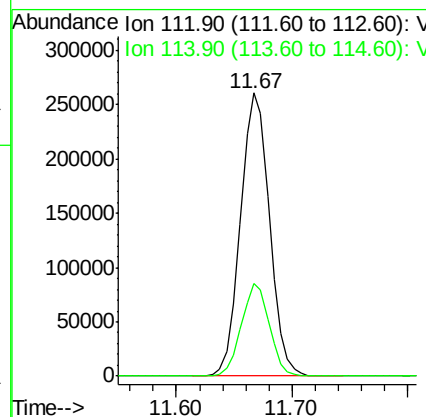
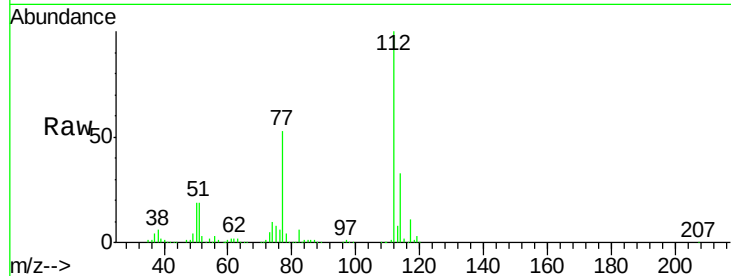
#65
Chlorobenzene
Concen: 50.845 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	26.1	39.1

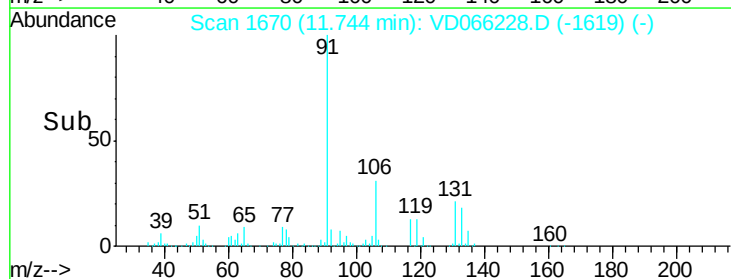
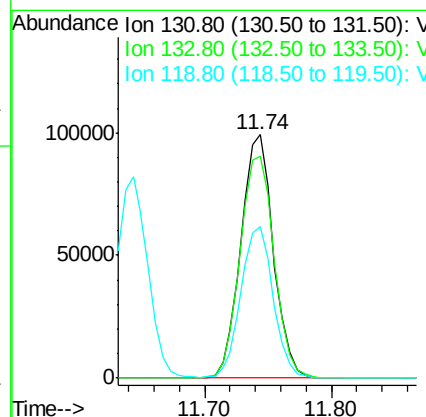
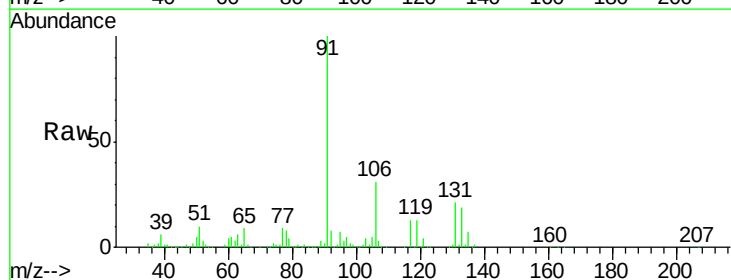
Manual Integrations
APPROVED

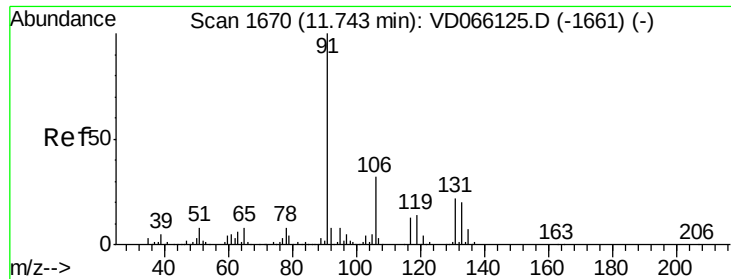
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.450 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	47.1	141.4
119	62.2	31.6	94.7





#67

Ethyl Benzene

Concen: 51.243 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 790522

Ion Ratio Lower Upper

91 100

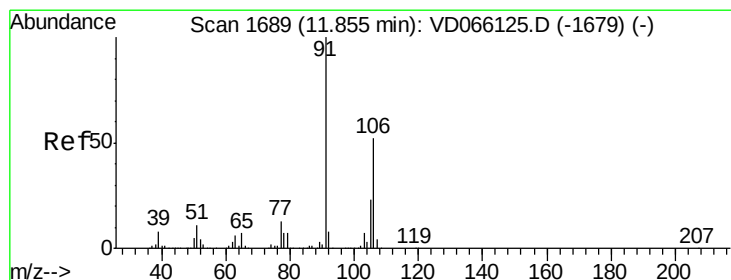
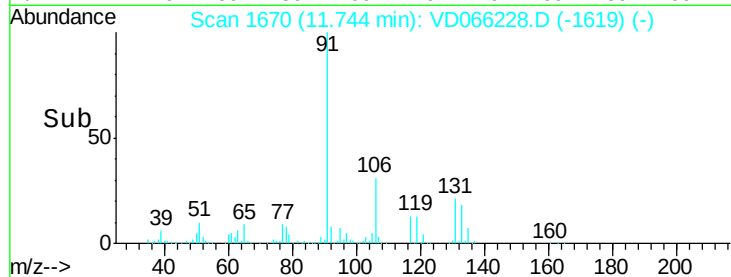
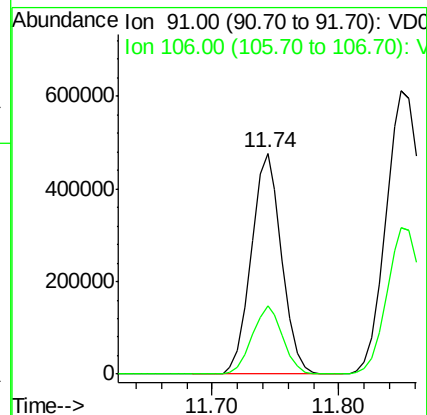
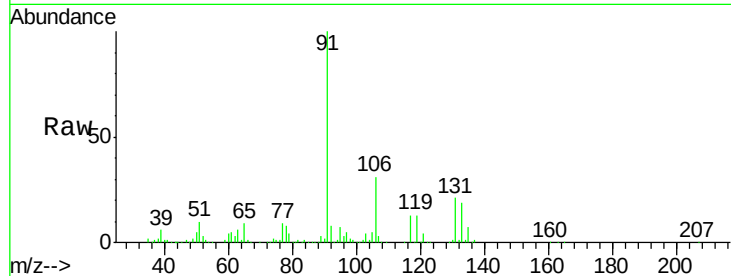
106 31.2 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 101.492 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD066228.D

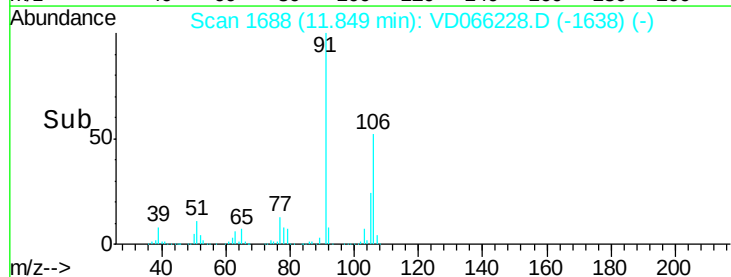
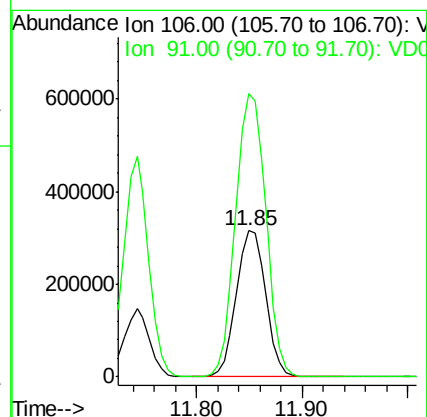
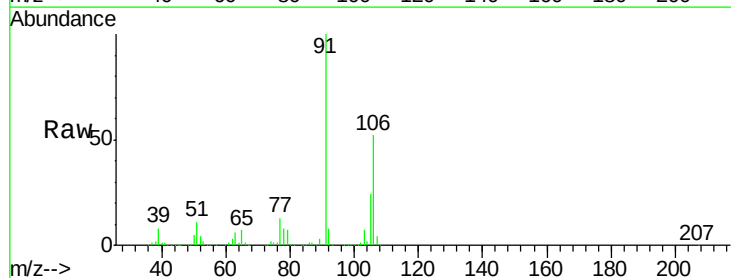
Acq: 14 Aug 2020 11:12

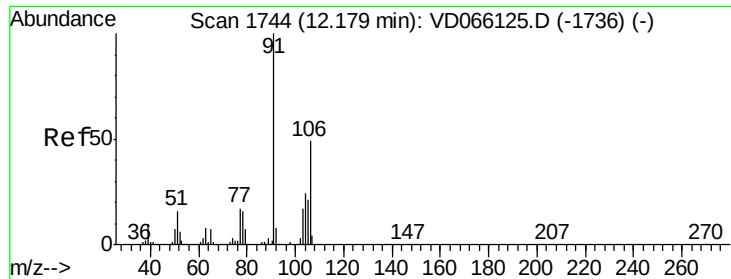
Tgt Ion: 106 Resp: 606615

Ion Ratio Lower Upper

106 100

91 199.4 156.6 235.0





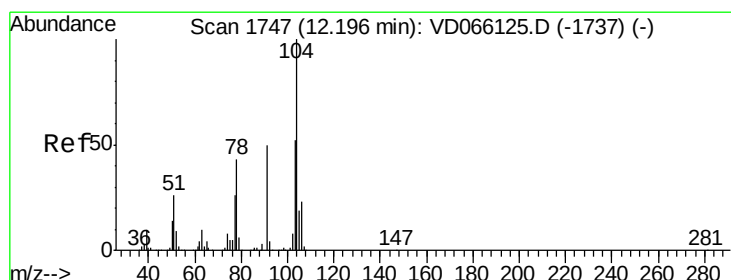
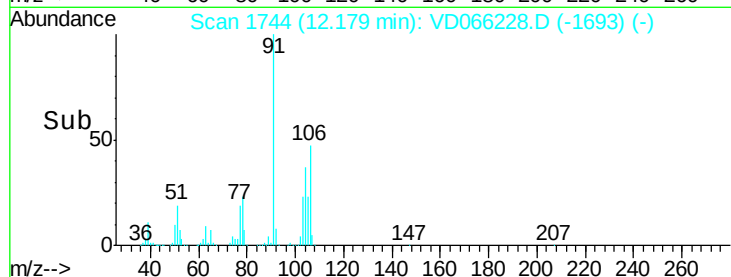
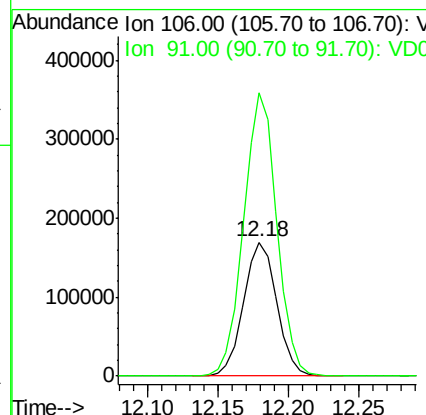
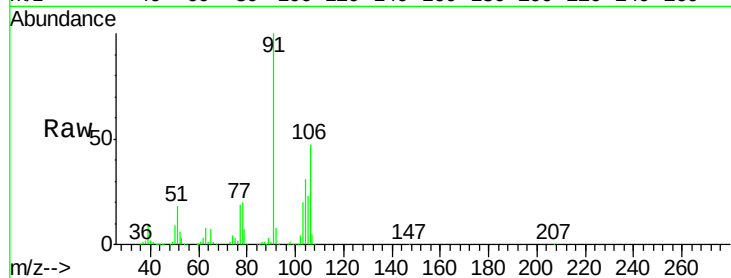
#69
o-Xylene
Concen: 51.229 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	278537		
91	91	210.9	105.7	317.1	

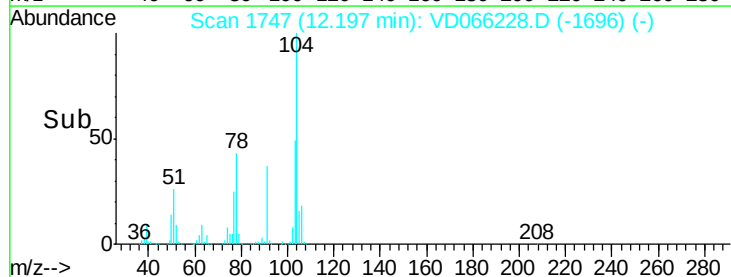
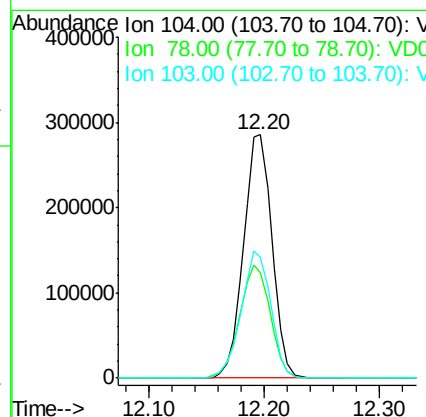
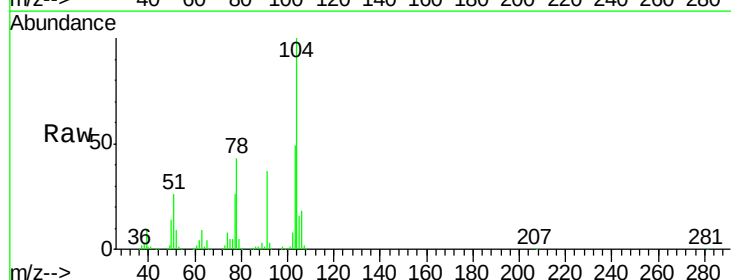
Manual Integrations
APPROVED

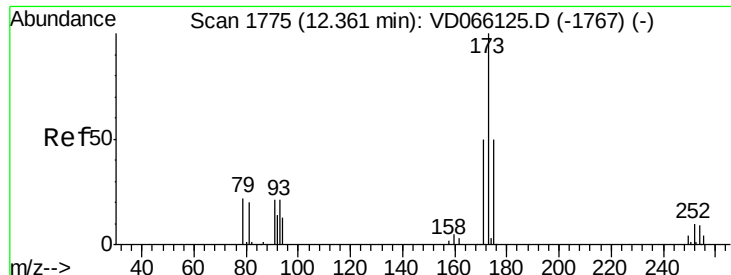
MMDadoda
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#70
Styrene
Concen: 51.307 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	488882		
78	78	49.7	38.6	58.0	
103	103	54.2	44.1	66.1	





#71

Bromoform

Concen: 50.500 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 104217

Ion Ratio Lower Upper

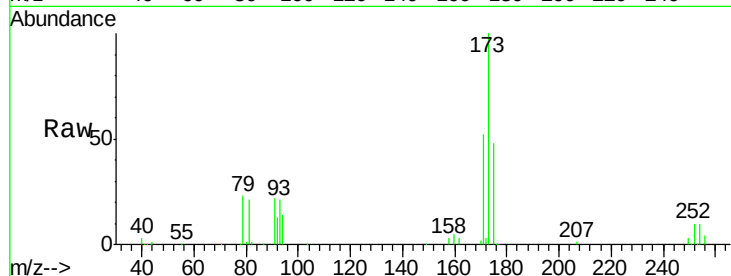
173 100

175 49.1 24.6 73.6

254 0.0 0.2 0.2#

Manual Integrations
APPROVED

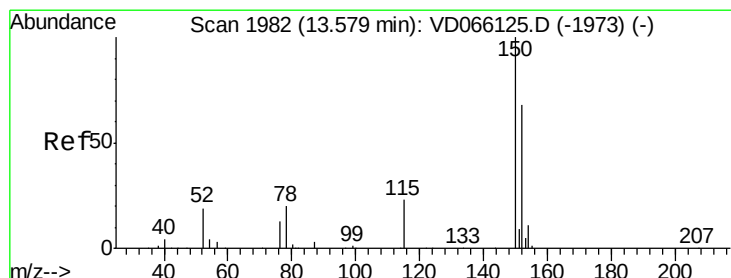
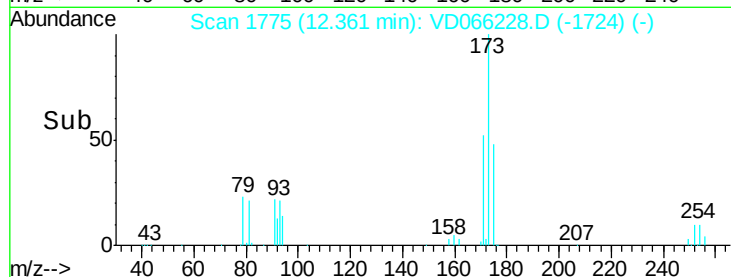
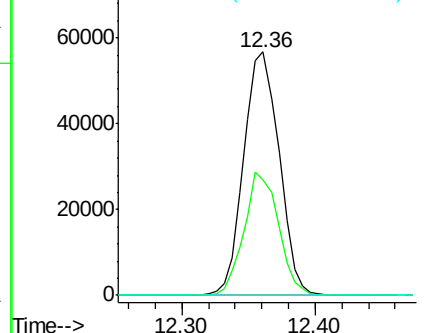
MMDadoda
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

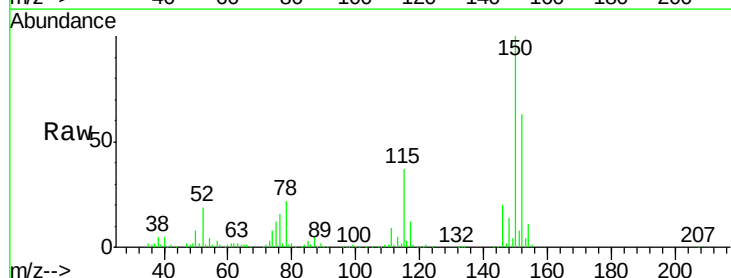
Tgt Ion:152 Resp: 226415

Ion Ratio Lower Upper

152 100

115 56.0 28.0 83.9

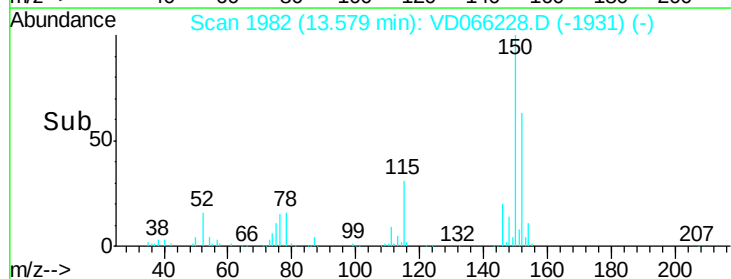
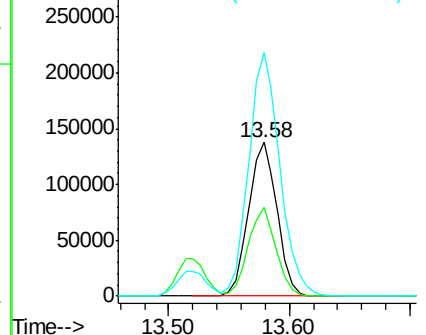
150 172.6 0.0 346.4

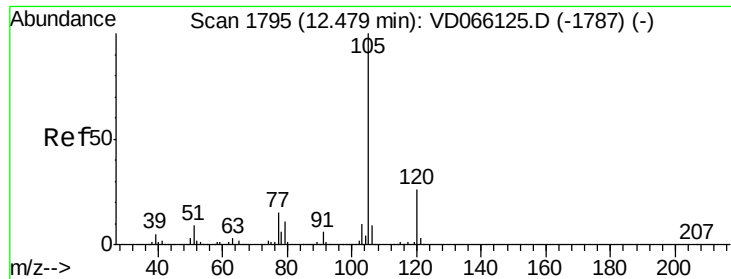


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.207 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 789047

Ion Ratio Lower Upper

105 100

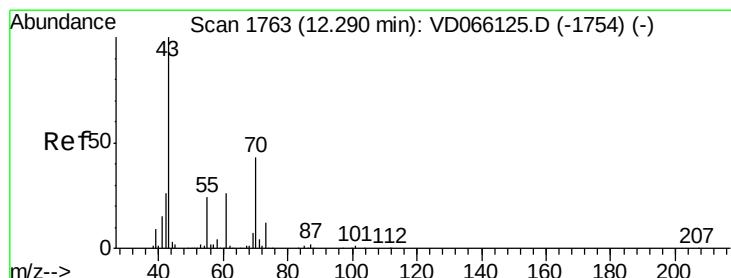
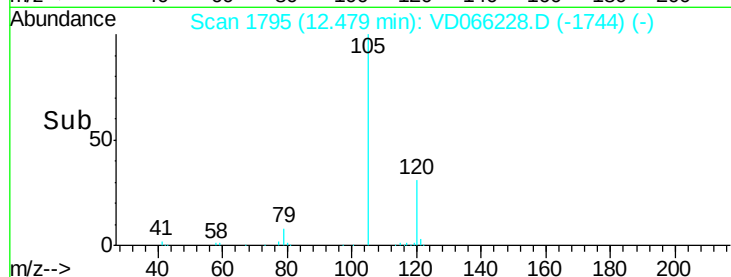
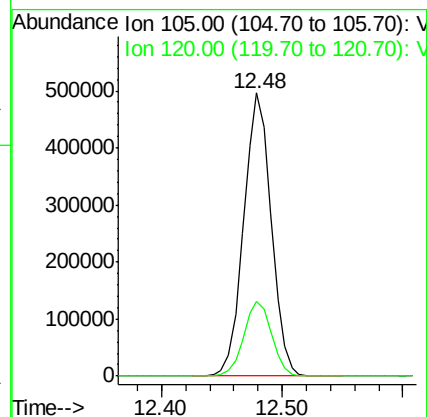
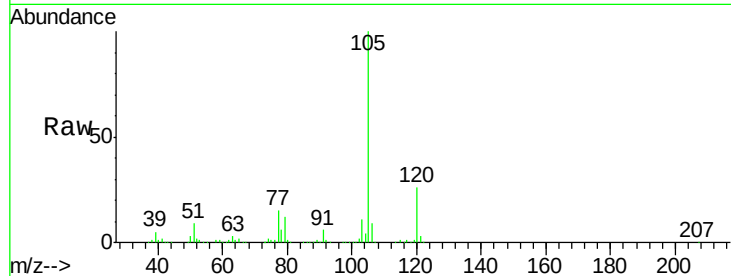
120 26.8 13.3 39.9

Manual Integrations

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8/17/2020 5:45:54 PM



#74

N-ethyl acetate

Concen: 51.529 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Tgt Ion: 43 Resp: 171495

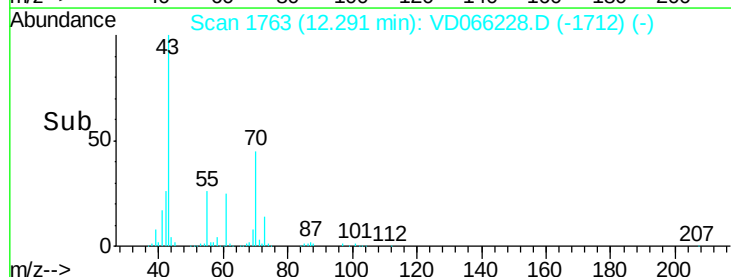
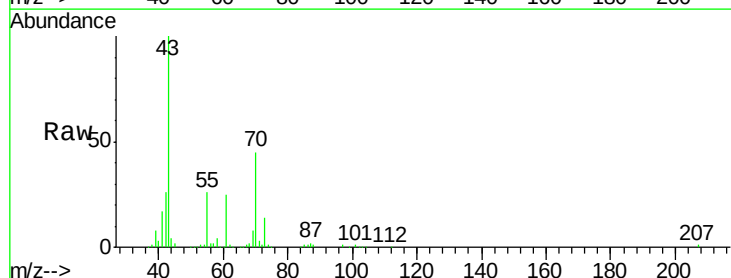
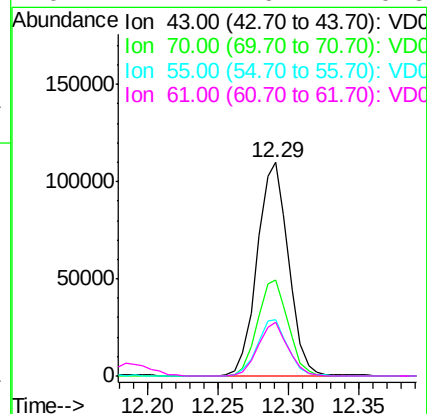
Ion Ratio Lower Upper

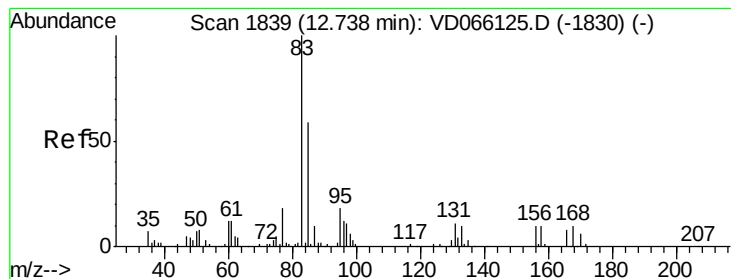
43 100

70 44.0 34.9 52.3

55 25.6 19.2 28.8

61 24.2 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.803 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

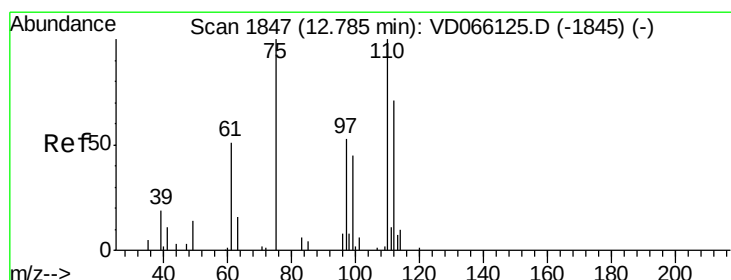
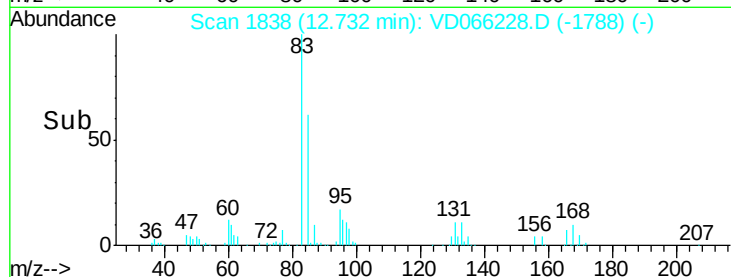
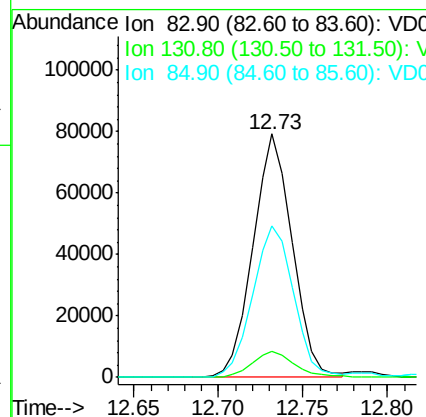
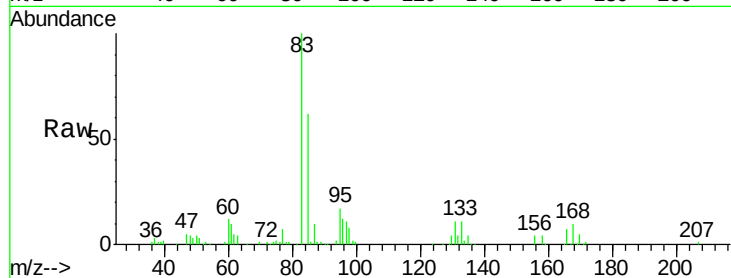
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	128350
Ion	Ratio	Lower	Upper
83	100		
131	11.8	6.2	18.6
85	64.8	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.820 ug/l m

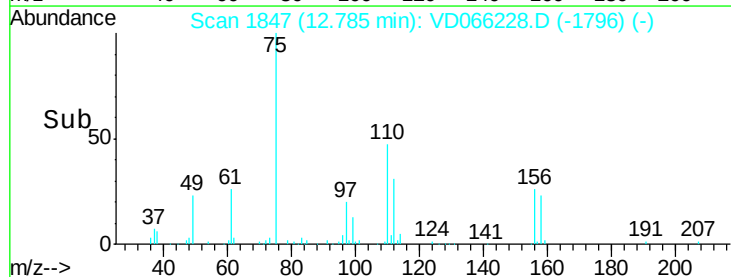
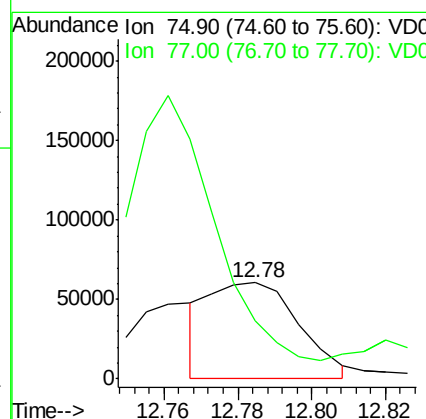
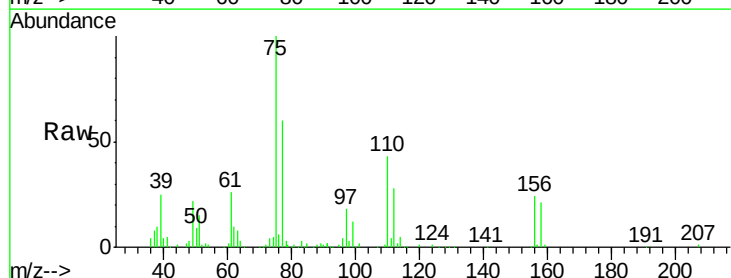
RT: 12.78 min Scan# 1847

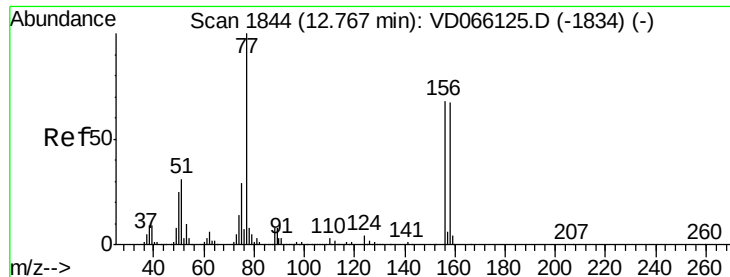
Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Tgt Ion:	75	Resp:	101619
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





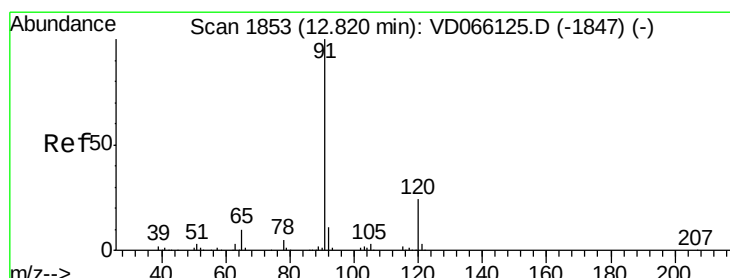
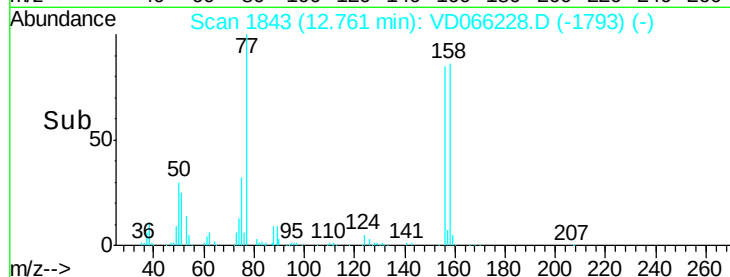
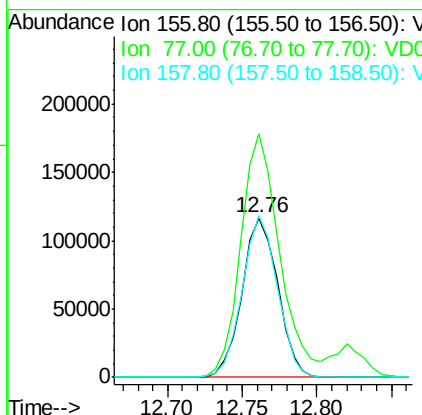
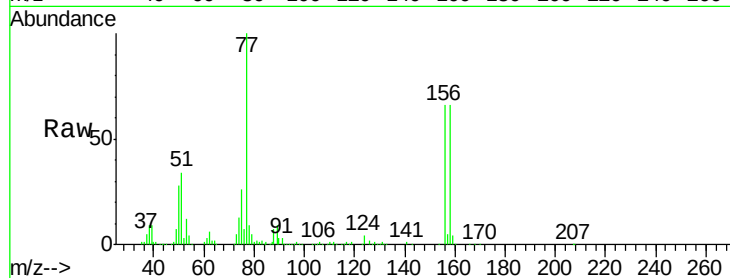
#77
Bromobenzene
Concen: 49.881 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
156	100	194068		
77	166.4	81.0	243.1	
158	99.5	48.8	146.3	

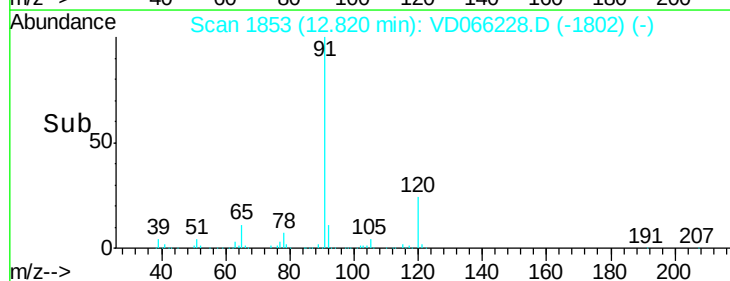
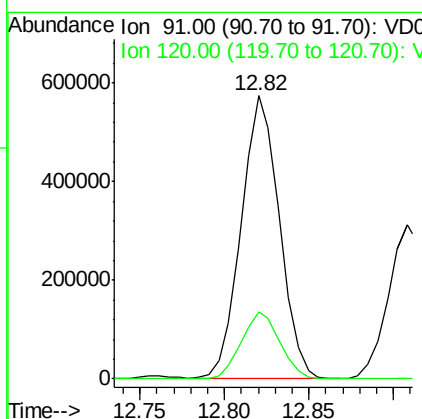
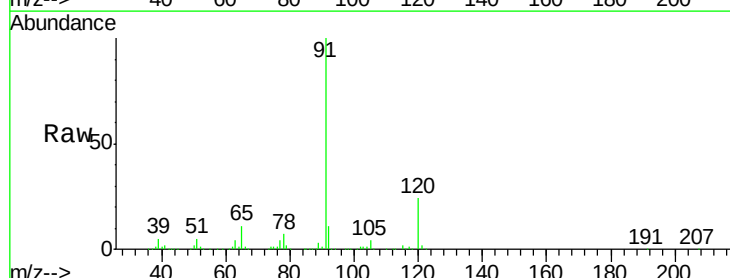
Manual Integrations
APPROVED

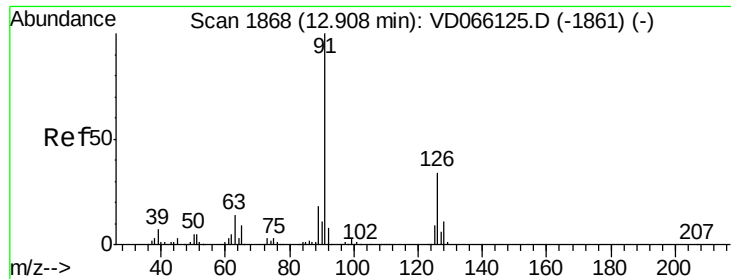
MMDadoda
8/17/2020 5:45:54 PM



#78
n-propylbenzene
Concen: 51.290 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	901090		
120	23.8	12.0	36.0	





#79

2-Chlorotoluene

Concen: 50.828 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 510727

Ion Ratio Lower Upper

91 100

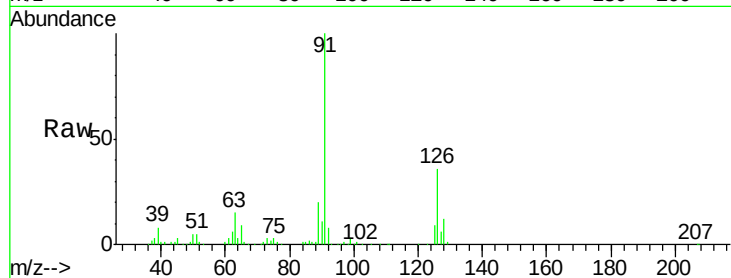
126 35.9 17.5 52.6

Manual Integrations

APPROVED

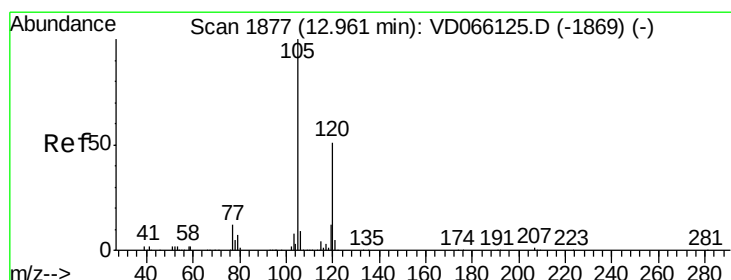
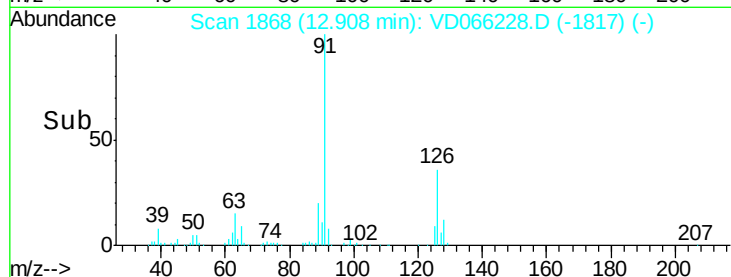
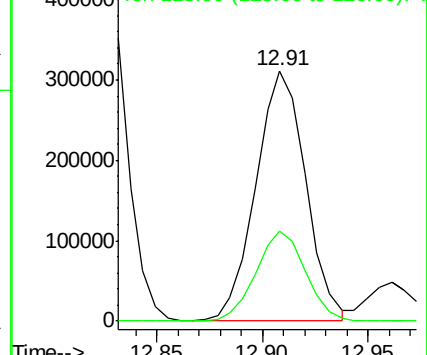
MMDadoda

8/17/2020 5:45:54 PM



Abundance Ion 91.00 (90.70 to 91.70): VD066228.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066228.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.678 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066228.D

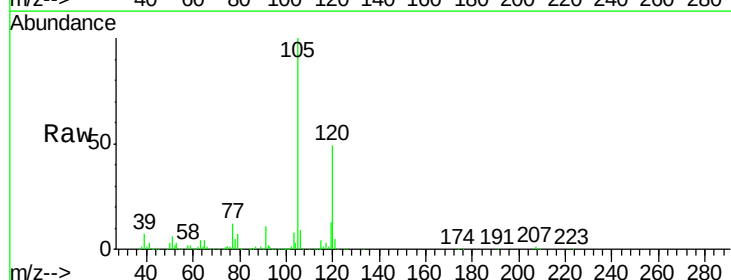
Acq: 14 Aug 2020 11:12

Tgt Ion:105 Resp: 665833

Ion Ratio Lower Upper

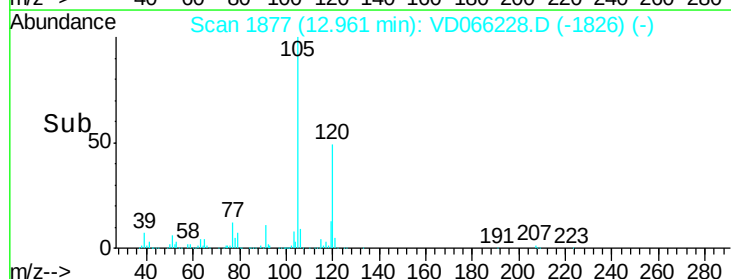
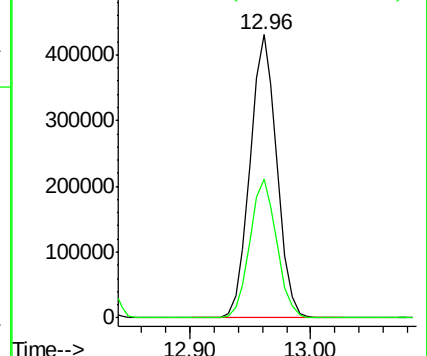
105 100

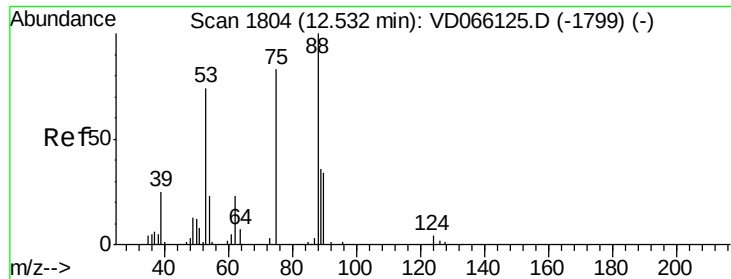
120 49.1 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066228.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066228.D (-1826) (-)





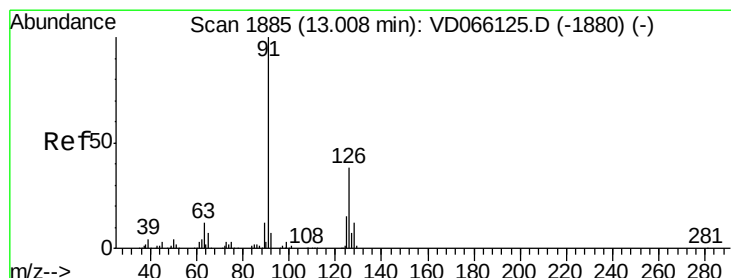
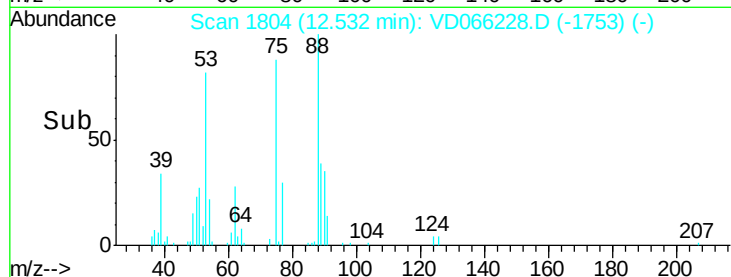
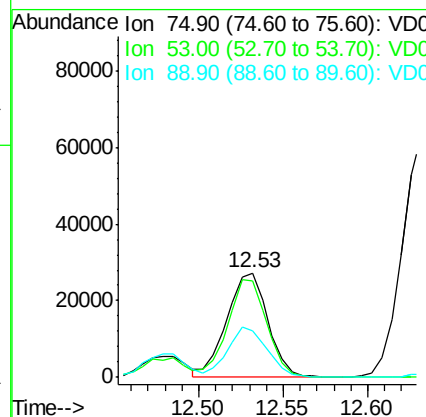
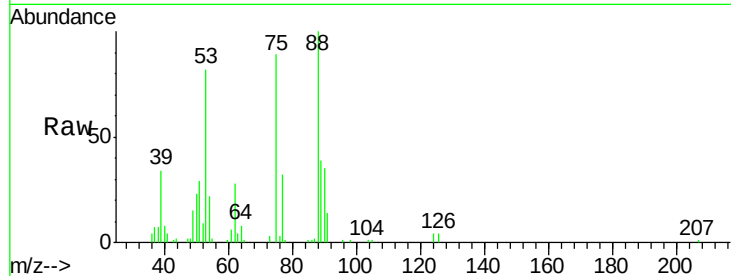
#81
trans-1,4-Dichloro-2-butene
Concen: 54.213 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.7	73.4	110.2
89	45.7	36.6	55.0

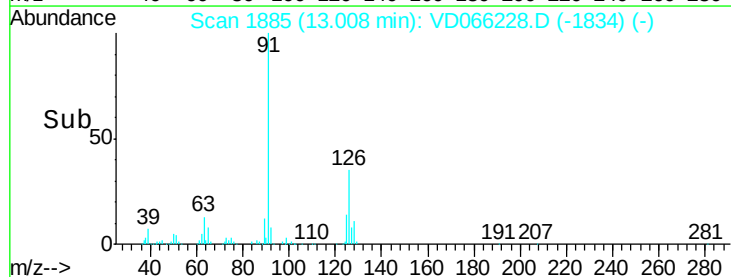
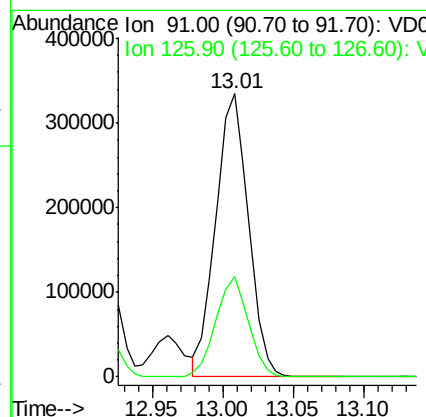
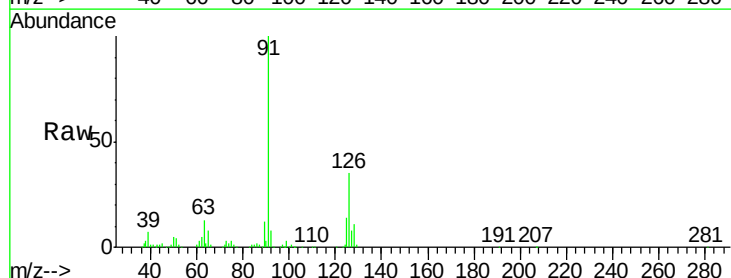
Manual Integrations
APPROVED

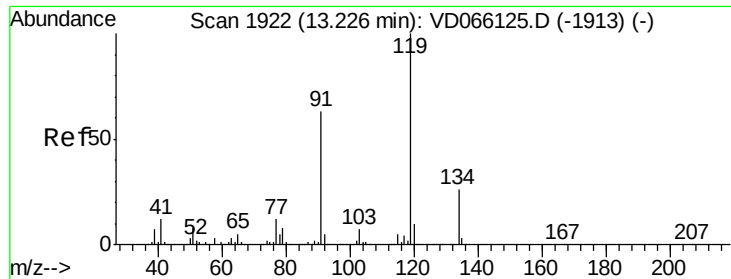
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.643 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.8	53.3





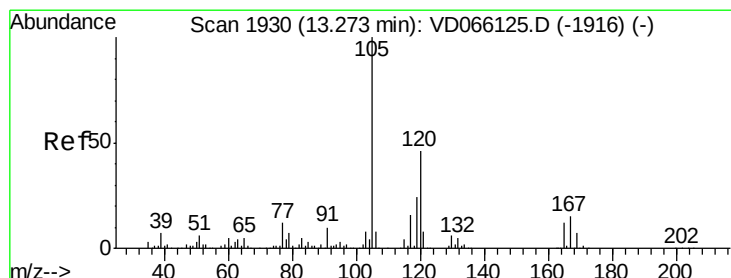
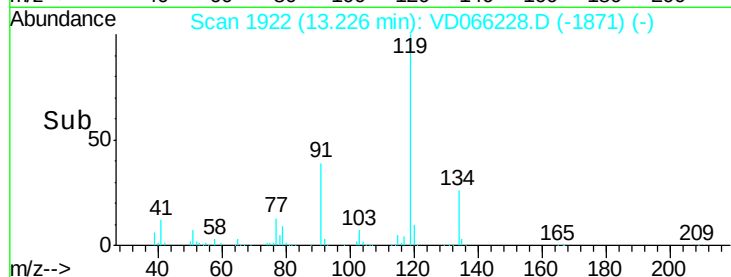
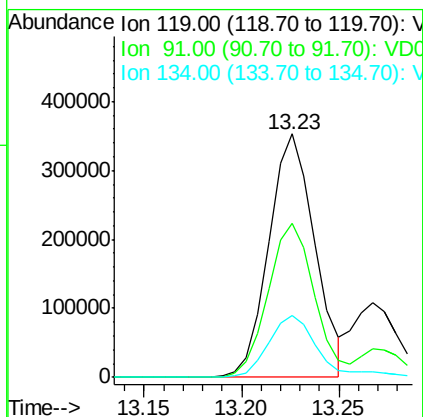
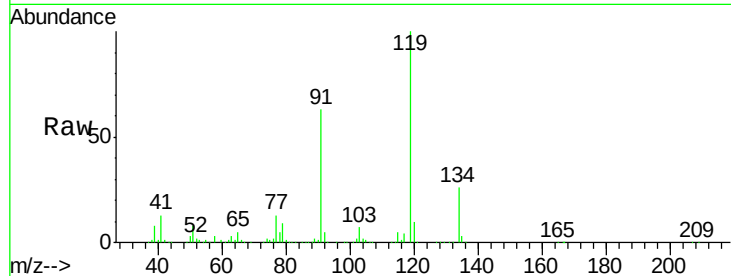
#83
 tert-Butylbenzene
 Concen: 51.787 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	30.8	92.4
134	27.4	13.6	40.8

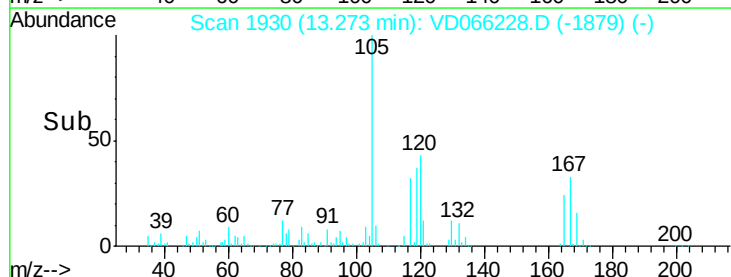
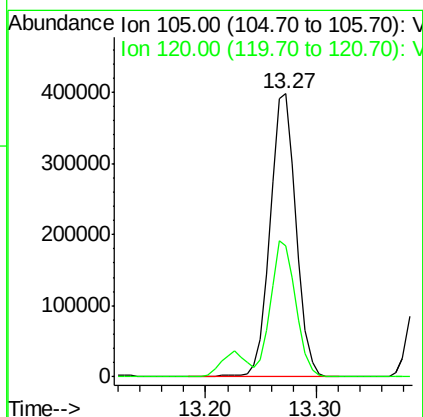
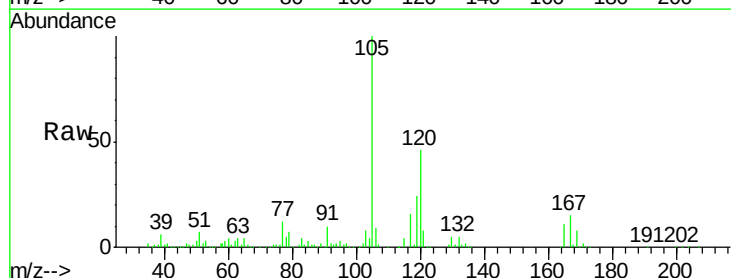
Manual Integrations
 APPROVED

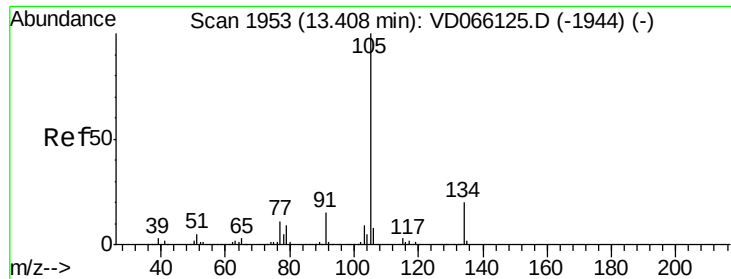
MMDadoda
 8/17/2020 5:45:54 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.631 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.1	69.2





#85

sec-Butylbenzene

Concen: 52.531 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 788378

Ion Ratio Lower Upper

105 100

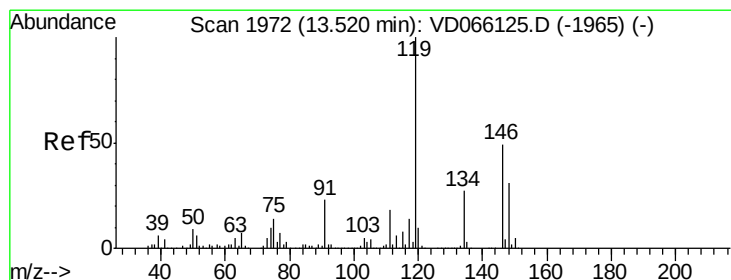
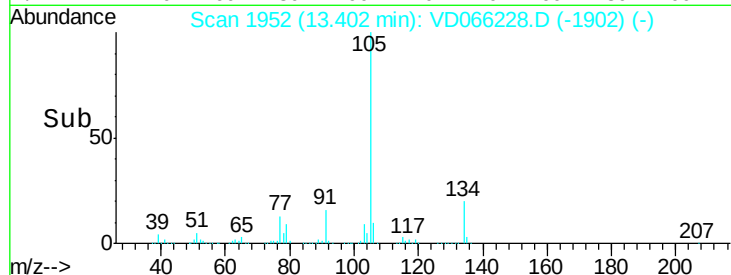
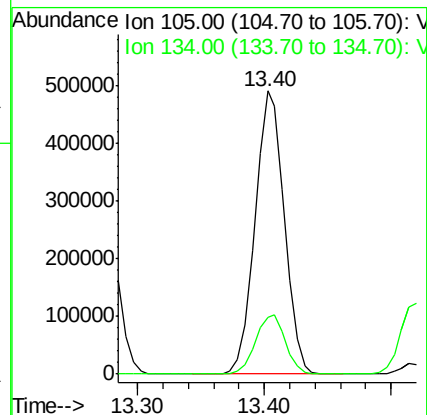
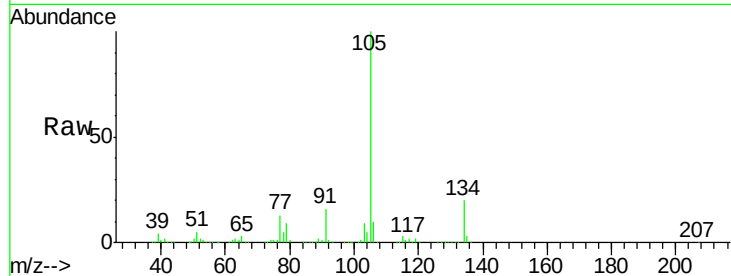
134 21.4 10.4 31.4

Manual Integrations

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MMDadoda

8/17/2020 5:45:54 PM



#86

p-Isopropyltoluene

Concen: 52.293 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066228.D

Acq: 14 Aug 2020 11:12

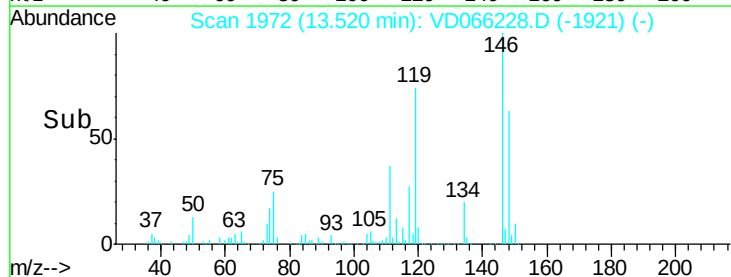
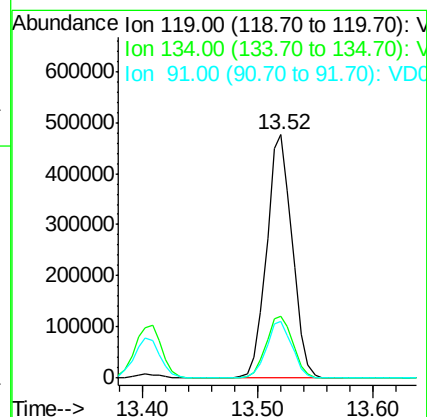
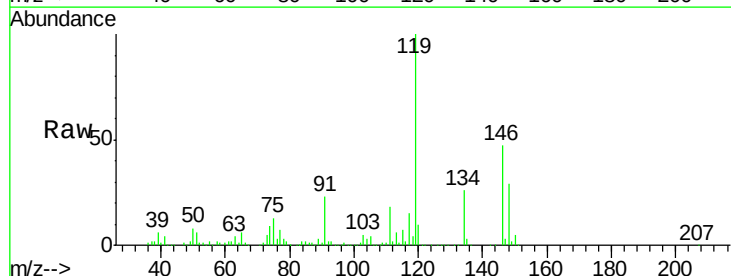
Tgt Ion:119 Resp: 736073

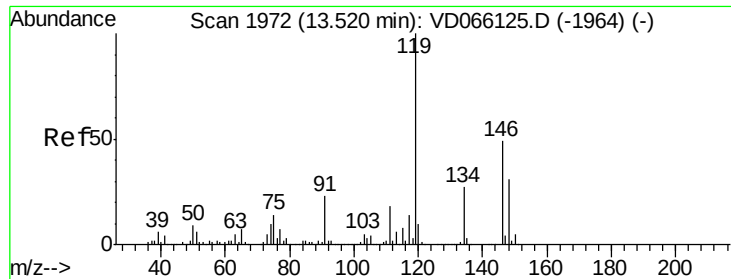
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

91 23.1 11.2 33.5





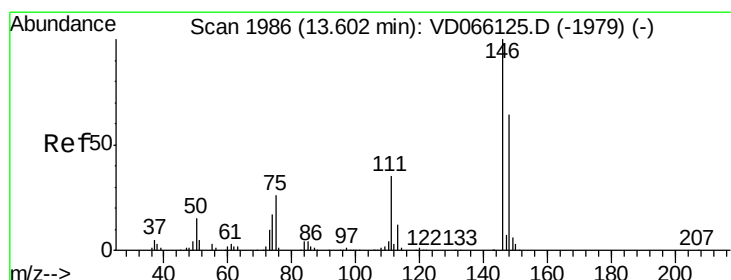
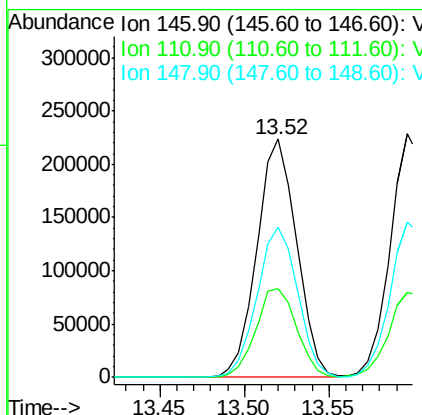
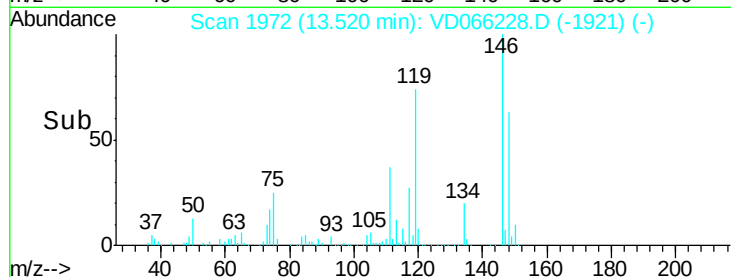
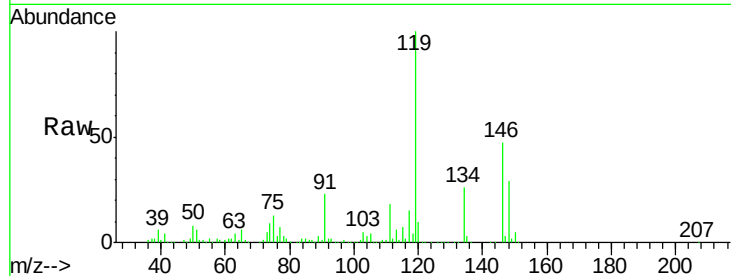
#87
1,3-Dichlorobenzene
Concen: 49.794 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	364105		
111	38.6	18.9	56.9	
148	64.4	31.8	95.3	

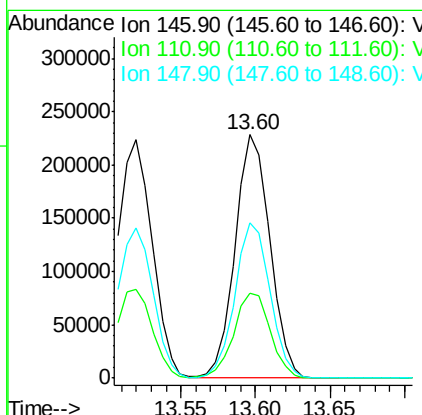
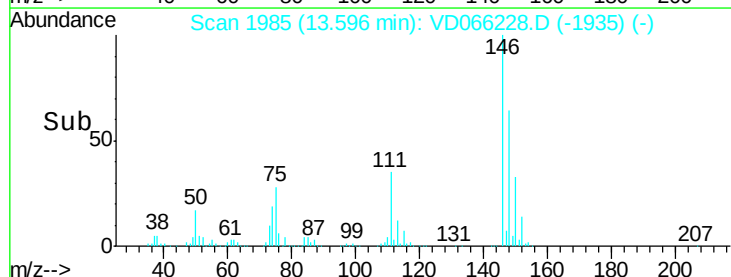
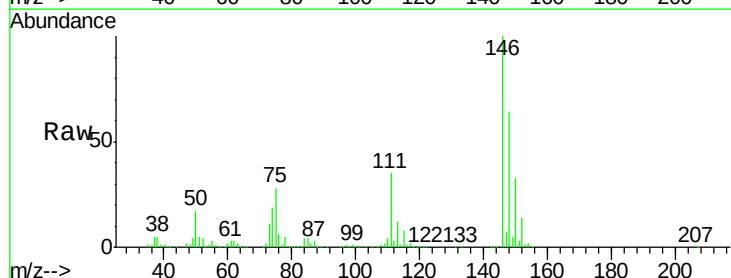
Manual Integrations
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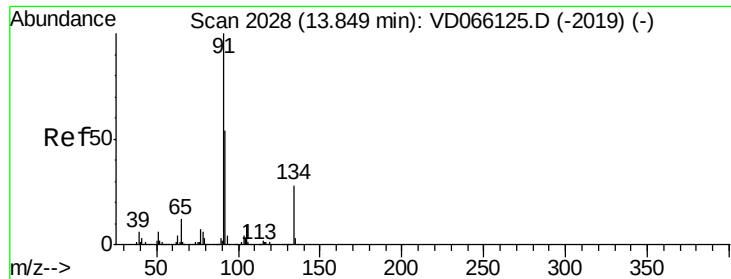
MMDadoda
8/17/2020 5:45:54 PM



#88
1,4-Dichlorobenzene
Concen: 51.039 ug/l
RT: 13.60 min Scan# 1985
Delta R.T. -0.01 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	372194		
111	36.5	18.6	55.8	
148	64.3	32.4	97.0	





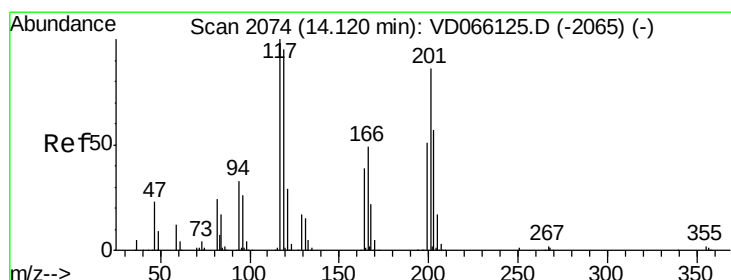
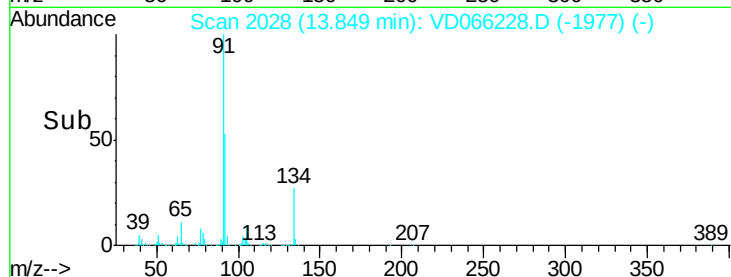
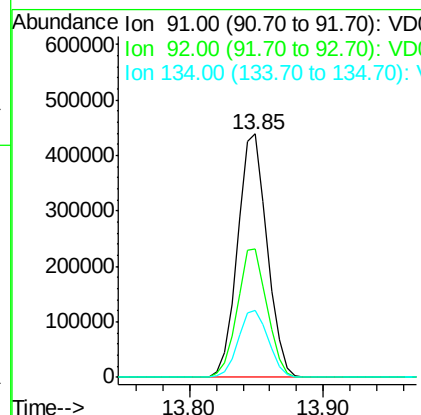
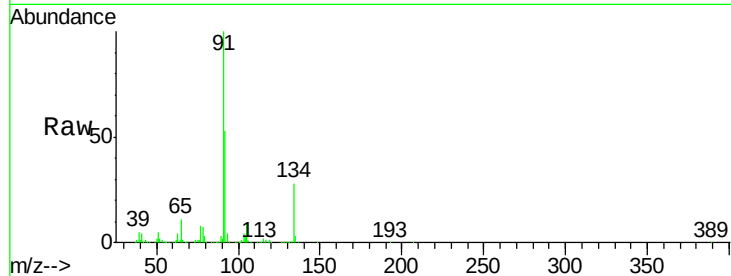
#89
n-Butylbenzene
Concen: 53.294 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.3
134	28.1	14.0	41.9

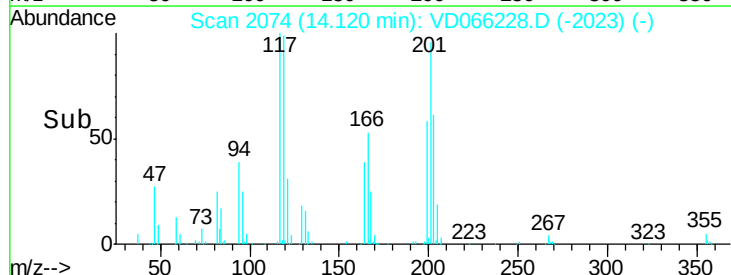
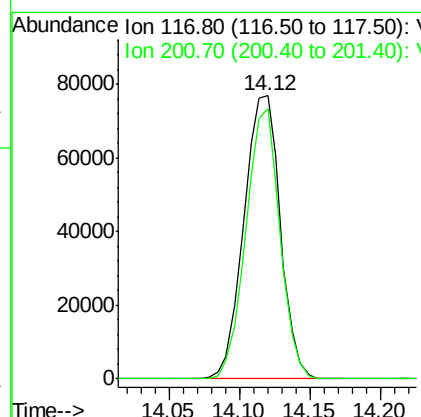
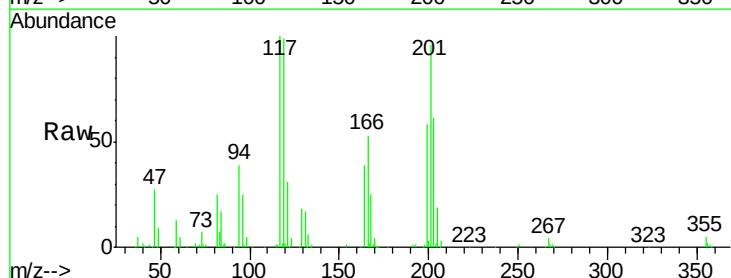
Manual Integrations
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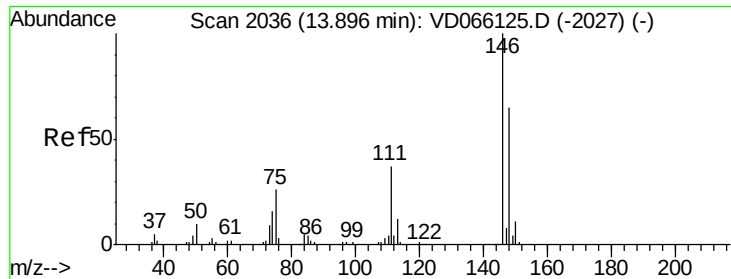
MMDadoda
8/17/2020 5:45:54 PM



#90
Hexachloroethane
Concen: 49.598 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.2	42.7	128.1





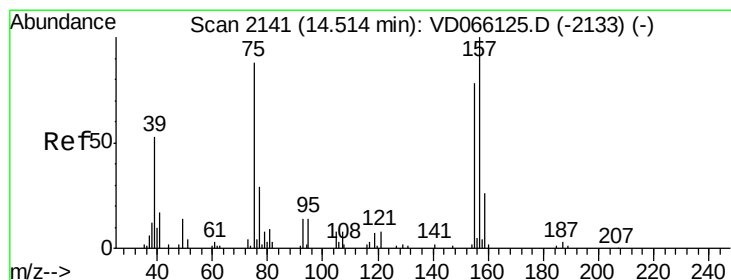
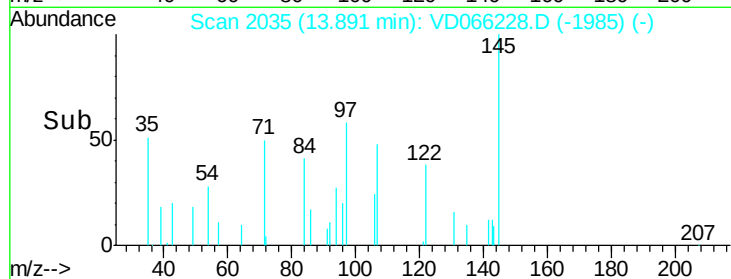
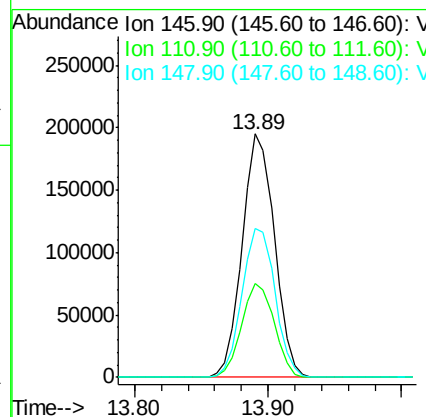
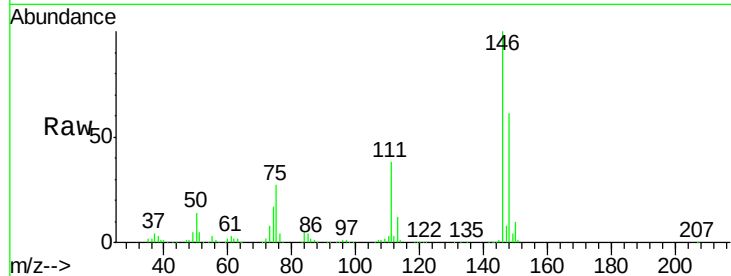
#91
 1,2-Dichlorobenzene
 Concen: 50.461 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	326316		
111	39.0	18.8	56.3	
148	62.9	31.9	95.5	

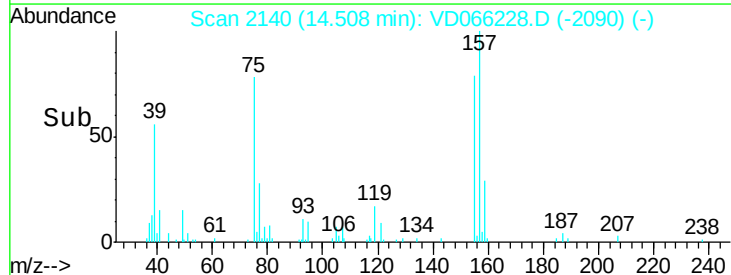
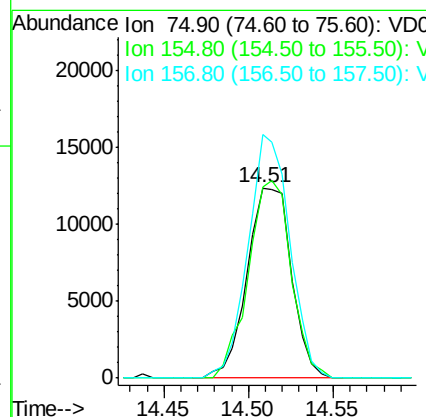
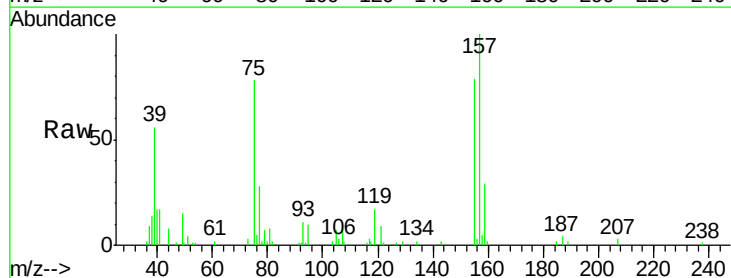
Manual Integrations
 APPROVED

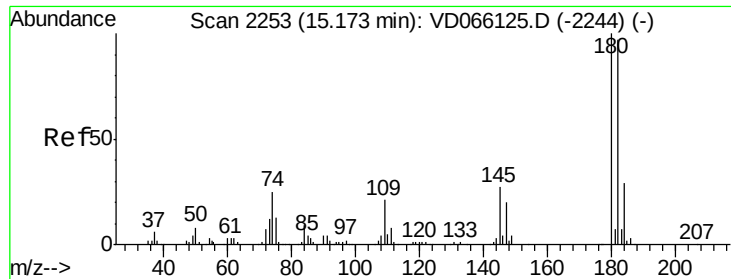
MMDadoda
 8/17/2020 5:45:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.900 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22545		
155	100.3	47.7	143.1	
157	120.9	62.1	186.2	





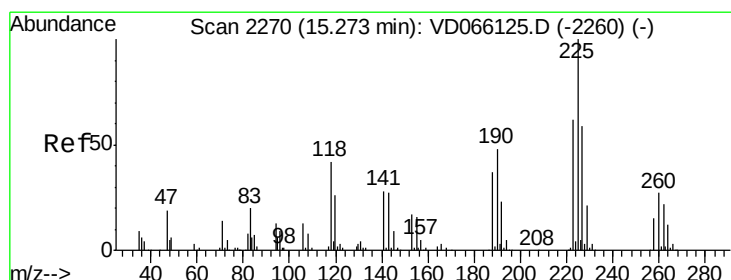
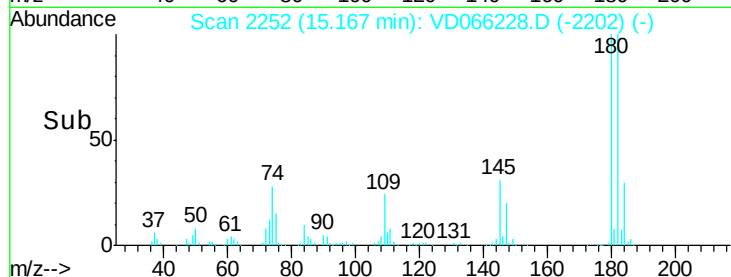
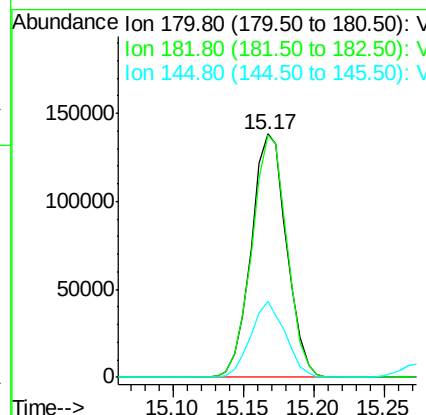
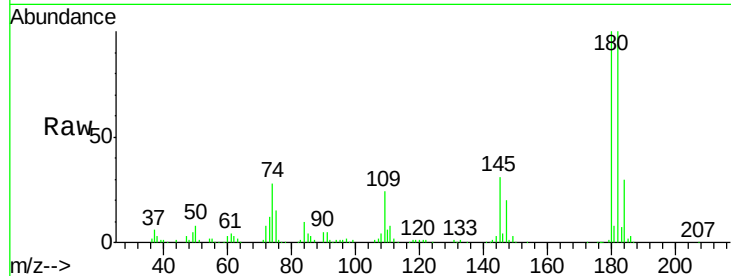
#93
 1,2,4-Trichlorobenzene
 Concen: 51.034 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	243206		
182	98.6	47.4	142.2	
145	30.4	14.5	43.6	

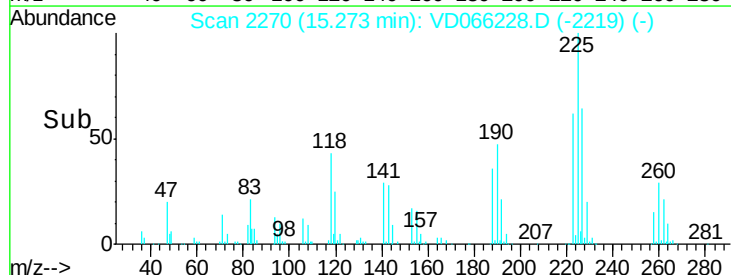
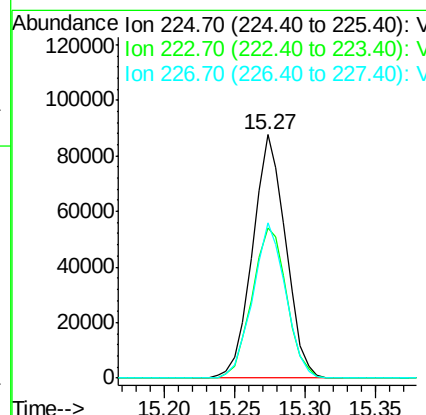
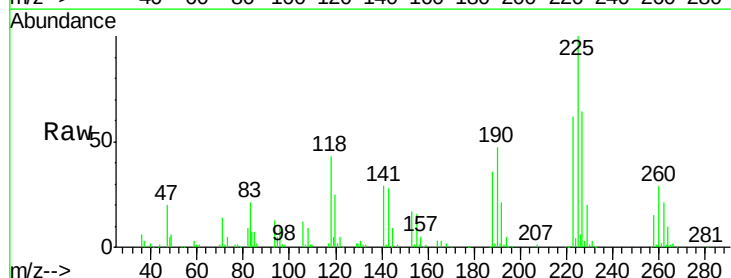
Manual Integrations
 APPROVED

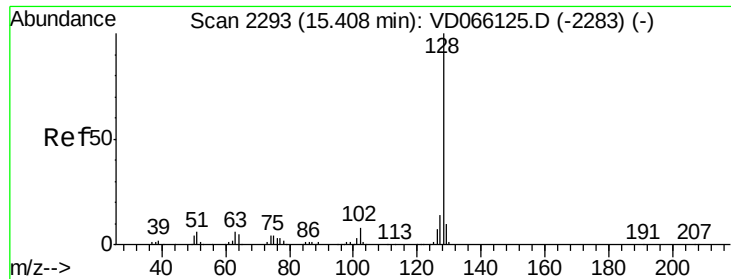
MMDadoda
 8/17/2020 5:45:54 PM



#94
 Hexachlorobutadiene
 Concen: 51.390 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066228.D
 Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144214		
223	64.6	32.3	96.9	
227	63.2	32.1	96.5	





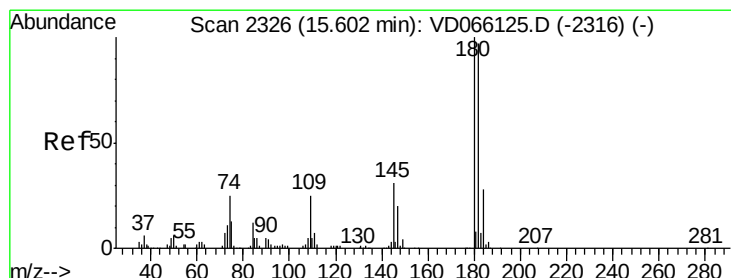
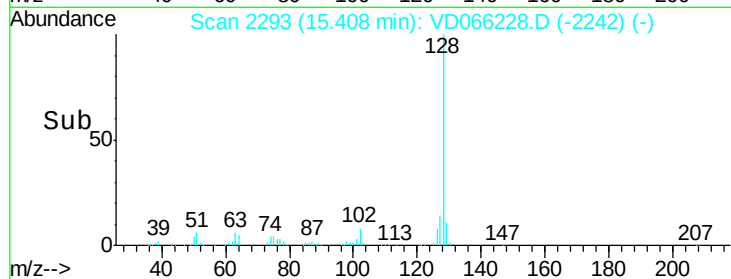
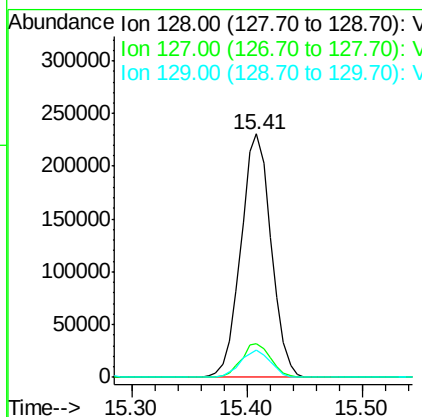
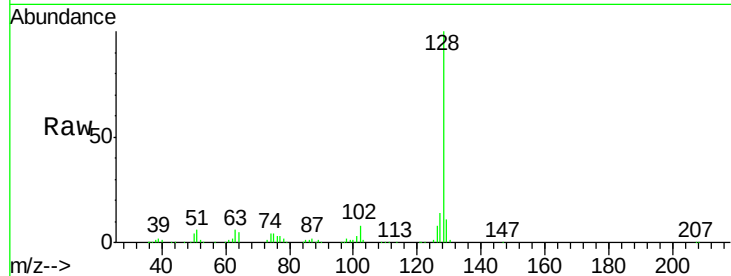
#95
Naphthalene
Concen: 53.932 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	11.0	16.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/17/2020 5:45:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.252 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066228.D
Acq: 14 Aug 2020 11:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.1	141.4
145	31.4	14.9	44.9

