

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067464.D
 Acq On : 30 Oct 2020 11:11
 Operator : VA/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Manual Integrations
 APPROVED

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 11/2/2020 4:09:32 PM

Quant Time: Oct 30 11:25:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	306498	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	446773	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	420763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212911	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	144182	46.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.90%	
35) Dibromofluoromethane	7.92	113	145670	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.34	98	537051	49.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.82%	
62) 4-Bromofluorobenzene	12.64	95	185853	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	50288	17.607	ug/l	93
3) Chloromethane	2.21	50	33282	17.254	ug/l	97
4) Vinyl Chloride	2.35	62	39298	18.568	ug/l	92
5) Bromomethane	2.77	94	32491	20.683	ug/l	98
6) Chloroethane	2.93	64	24510	18.595	ug/l	94
7) Trichlorofluoromethane	3.27	101	105849	19.861	ug/l	97
8) Diethyl Ether	3.71	74	23944	19.634	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	57284	20.231	ug/l	99
10) Methyl Iodide	4.30	142	50917	19.494	ug/l	97
11) Tert butyl alcohol	5.21	59	19702	95.172	ug/l #	95
12) 1,1-Dichloroethene	4.08	96	50723	20.052	ug/l	91
13) Acrolein	3.93	56	7919	61.075	ug/l	93
14) Allyl chloride	4.72	41	53565	18.491	ug/l	96
15) Acrylonitrile	5.43	53	40255	98.927	ug/l	99
16) Acetone	4.16	43	43362	100.831	ug/l	100
17) Carbon Disulfide	4.41	76	130757	18.132	ug/l	98
18) Methyl Acetate	4.72	43	17923	18.272	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	97858	19.455	ug/l	91
20) Methylene Chloride	4.97	84	63987	20.588	ug/l	91
21) trans-1,2-Dichloroethene	5.48	96	59023	20.276	ug/l	98
22) Diisopropyl ether	6.37	45	108088	20.425	ug/l #	96
23) Vinyl Acetate	6.31	43	296569	98.507	ug/l	95
24) 1,1-Dichloroethane	6.27	63	94920	20.954	ug/l	97
25) 2-Butanone	7.22	43	46717	95.300	ug/l	91
26) 2,2-Dichloropropane	7.21	77	97241	20.827	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	67242	21.077	ug/l	98
28) Bromochloromethane	7.56	49	28981	18.757	ug/l #	97
29) Tetrahydrofuran	7.57	42	25120	92.185	ug/l	93
30) Chloroform	7.71	83	114640	21.185	ug/l	96
31) Cyclohexane	7.99	56	67635	19.124	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	108535	20.442	ug/l	96
36) 1,1-Dichloropropene	8.11	75	79761	21.063	ug/l	98
37) Ethyl Acetate	7.30	43	20581	18.473	ug/l #	73
38) Carbon Tetrachloride	8.10	117	103456	21.376	ug/l	91

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 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	78533	19.838	ug/l	97
40) Benzene	8.36	78	217362	20.924	ug/l	94
41) Methacrylonitrile	7.53	41	13482	22.393	ug/l #	62
42) 1,2-Dichloroethane	8.43	62	68034	20.927	ug/l	99
43) Isopropyl Acetate	8.46	43	43286	19.580	ug/l	98
44) Trichloroethene	9.12	130	70962	21.335	ug/l	94
45) 1,2-Dichloropropane	9.39	63	48399	20.103	ug/l	99
46) Dibromomethane	9.48	93	30140	20.093	ug/l	98
47) Bromodichloromethane	9.67	83	86454	21.511	ug/l #	97
48) Methyl methacrylate	9.46	41	19945	18.565	ug/l	92
49) 1,4-Dioxane	9.47	88	6191	408.518	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	111215	100.864	ug/l	97
52) Toluene	10.41	92	154181	21.791	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	74659	21.147	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	85753	20.755	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	42713	20.881	ug/l	96
56) Ethyl methacrylate	10.67	69	42132	19.860	ug/l	99
57) 1,3-Dichloropropane	10.96	76	68075	20.912	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	111678	102.618	ug/l	98
59) 2-Hexanone	10.99	43	75219	99.832	ug/l	100
60) Dibromochloromethane	11.14	129	62344	20.899	ug/l	99
61) 1,2-Dibromoethane	11.26	107	41795	20.726	ug/l	99
64) Tetrachloroethene	10.88	164	63595	20.861	ug/l	95
65) Chlorobenzene	11.68	112	172094	21.329	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	70200	21.891	ug/l	99
67) Ethyl Benzene	11.75	91	288663	20.871	ug/l	99
68) m/p-Xylenes	11.86	106	235083	44.138	ug/l	95
69) o-Xylene	12.18	106	103204	20.925	ug/l	99
70) Styrene	12.20	104	182009	21.438	ug/l	100
71) Bromoform	12.37	173	35010	20.322	ug/l #	97
73) Isopropylbenzene	12.48	105	293485	21.719	ug/l	99
74) N-amyl acetate	12.30	43	40597	19.892	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	42637	20.593	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	27424m	18.584	ug/l	
77) Bromobenzene	12.77	156	72790	21.607	ug/l	99
78) n-propylbenzene	12.83	91	344060	21.976	ug/l	100
79) 2-Chlorotoluene	12.91	91	196511	21.644	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	252746	21.524	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13266	20.386	ug/l	92
82) 4-Chlorotoluene	13.01	91	208577	21.645	ug/l	100
83) tert-Butylbenzene	13.23	119	213063	21.480	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	252175	21.728	ug/l	99
85) sec-Butylbenzene	13.41	105	293354	21.554	ug/l	100
86) p-Isopropyltoluene	13.52	119	279928	21.790	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	139191	21.466	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	140409	21.856	ug/l	99
89) n-Butylbenzene	13.85	91	236092	20.890	ug/l	99
90) Hexachloroethane	14.12	117	48286	21.539	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	121429	21.436	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7241	19.251	ug/l	97

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ClientSampleId :
VD1030SBSD01

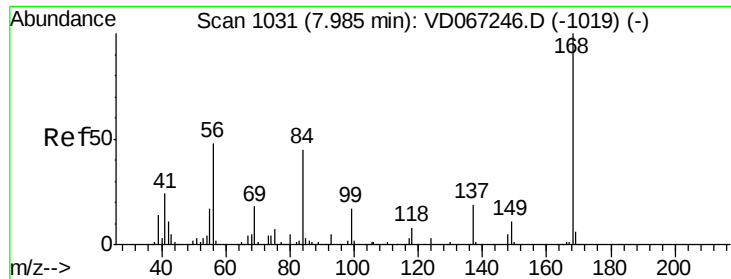
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	81542	21.350	ug/l	98
94) Hexachlorobutadiene	15.28	225	52613	22.184	ug/l	97
95) Naphthalene	15.41	128	124021	19.778	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	68554	20.777	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion:168 Resp: 306498

Ion Ratio Lower Upper

168 100

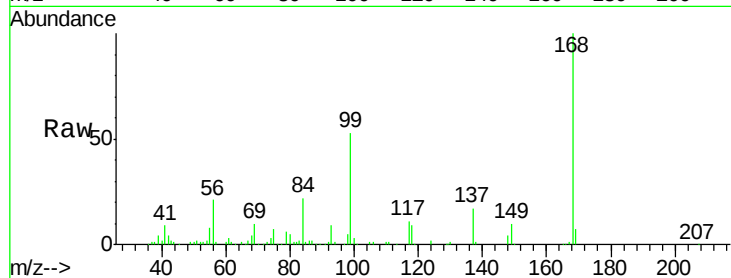
99 52.7 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

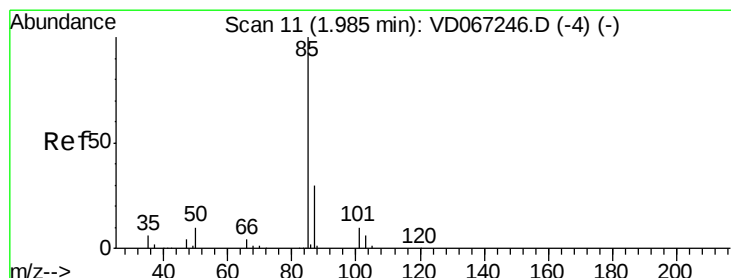
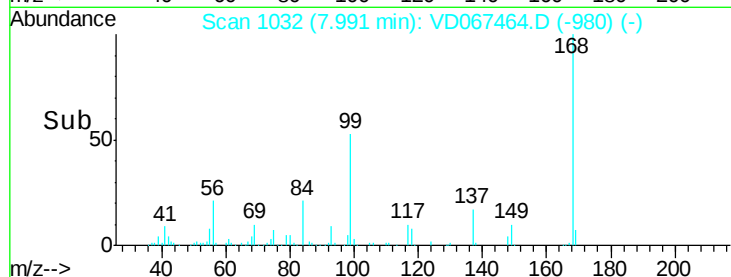
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.607 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067464.D

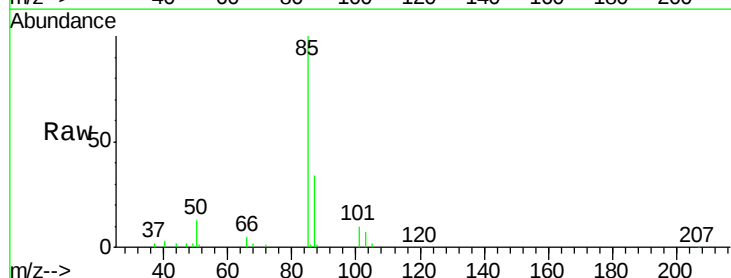
Acq: 30 Oct 2020 11:11

Tgt Ion: 85 Resp: 50288

Ion Ratio Lower Upper

85 100

87 34.1 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

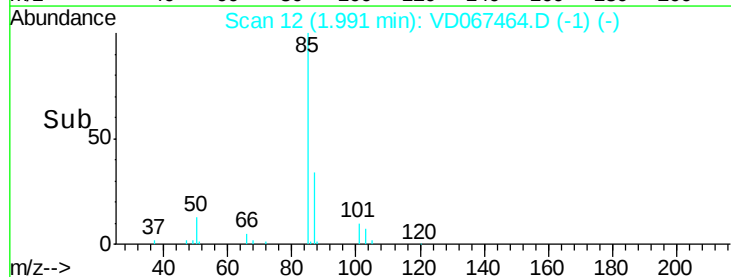
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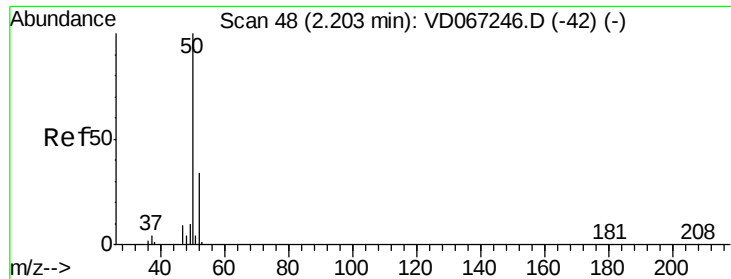
20000

10000

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Time-->





#3

Chloromethane

Concen: 17.254 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 50 Resp: 33282

Ion Ratio Lower Upper

50 100

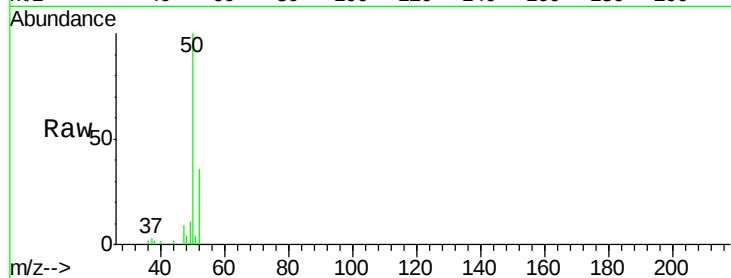
52 35.5 27.1 40.7

Manual Integrations

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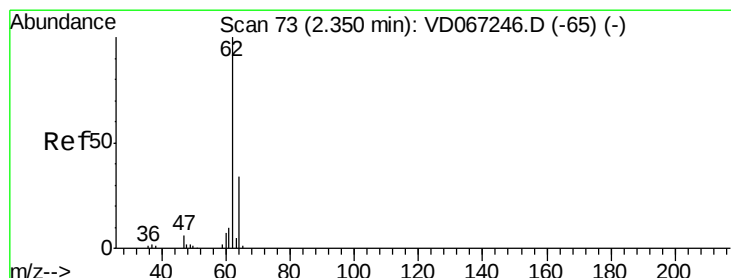
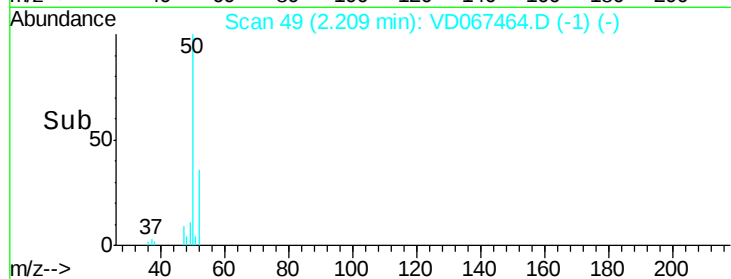
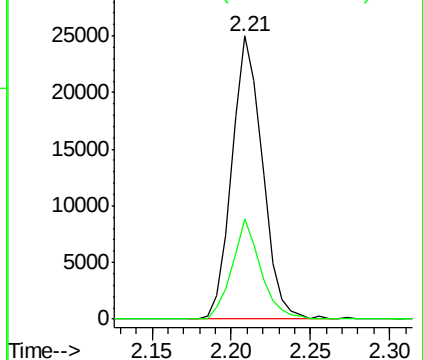
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.568 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067464.D

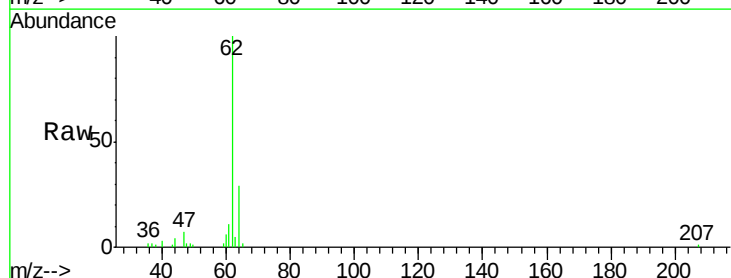
Acq: 30 Oct 2020 11:11

Tgt Ion: 62 Resp: 39298

Ion Ratio Lower Upper

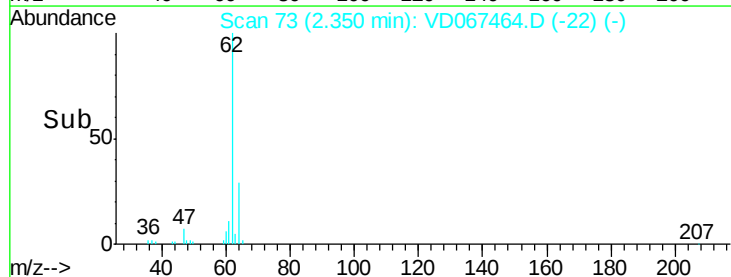
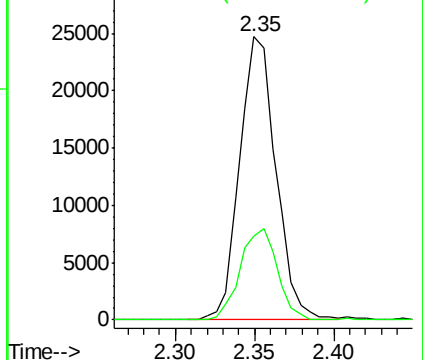
62 100

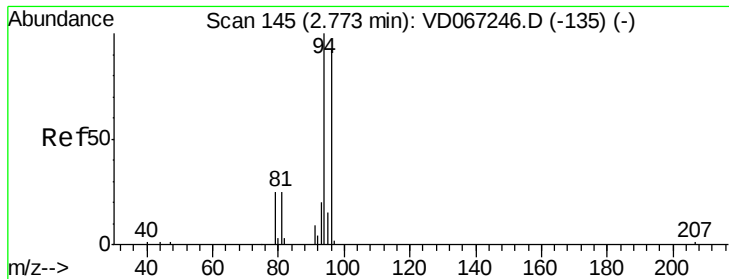
64 29.4 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.683 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 94 Resp: 32491

Ion Ratio Lower Upper

94 100

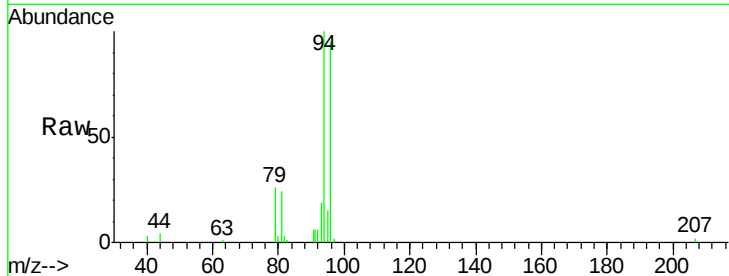
96 94.5 73.8 110.6

Manual Integrations

APPROVED

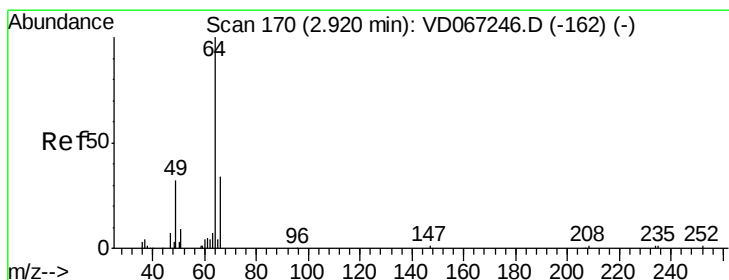
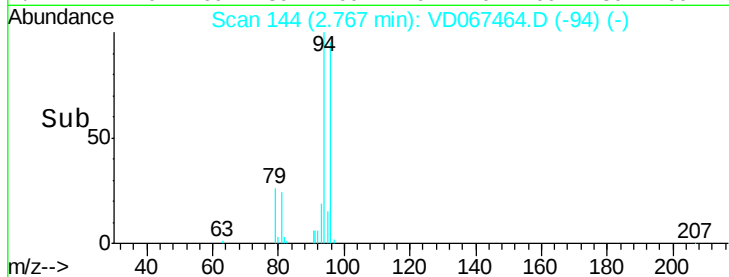
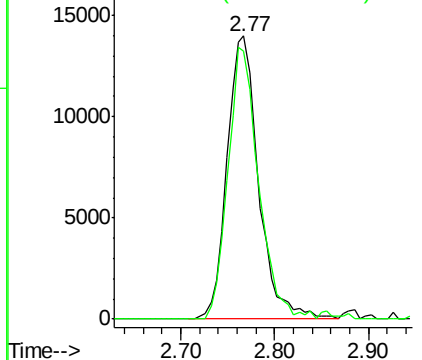
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.595 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067464.D

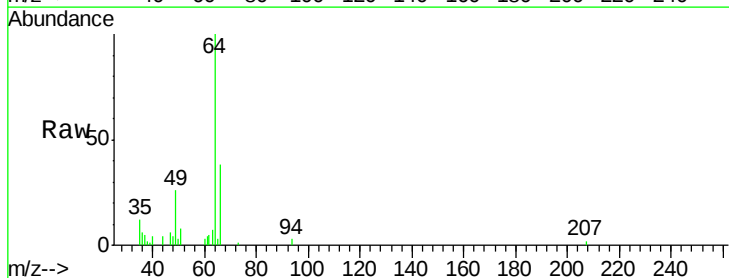
Acq: 30 Oct 2020 11:11

Tgt Ion: 64 Resp: 24510

Ion Ratio Lower Upper

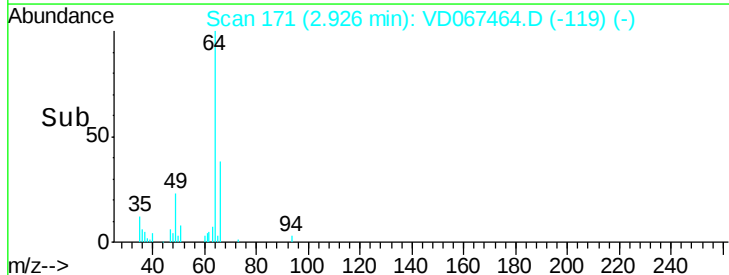
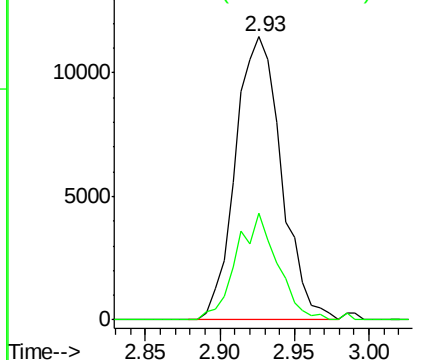
64 100

66 37.7 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

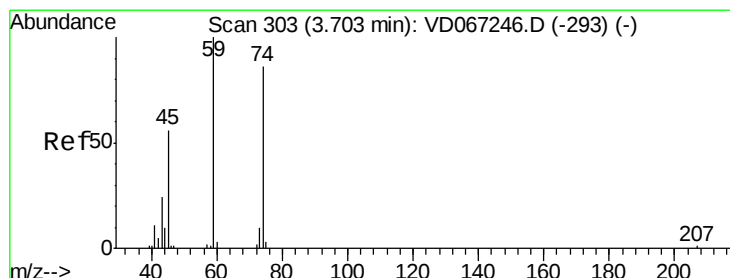
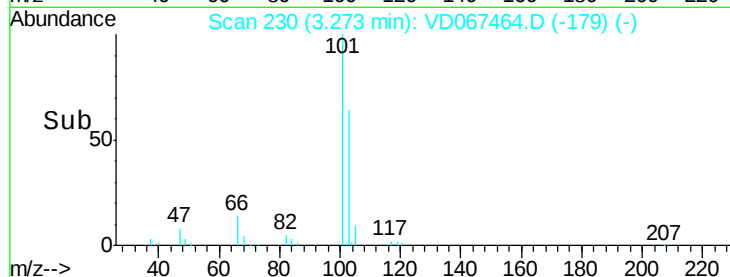
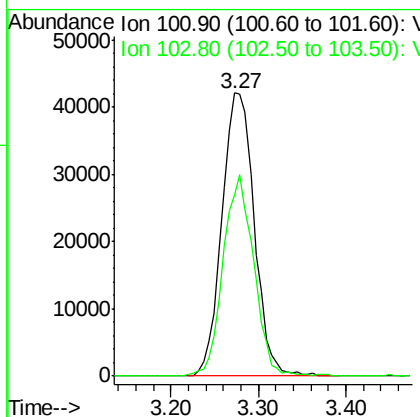
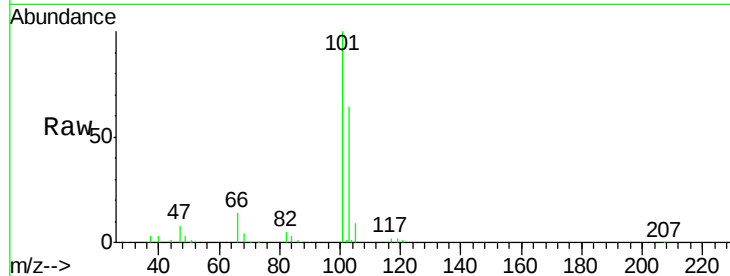
Trichlorofluoromethane
 Concen: 19.861 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Instrument :
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 ClientSampleId :
 VD1030SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	53.1	79.7

Manual Integrations
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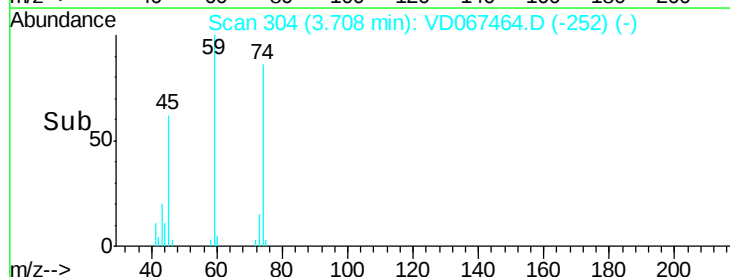
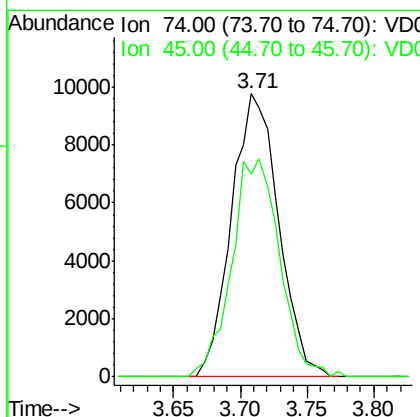
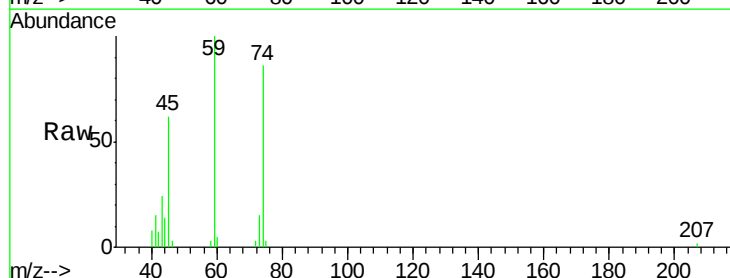
MMDadoda
 11/2/2020 4:09:32 PM

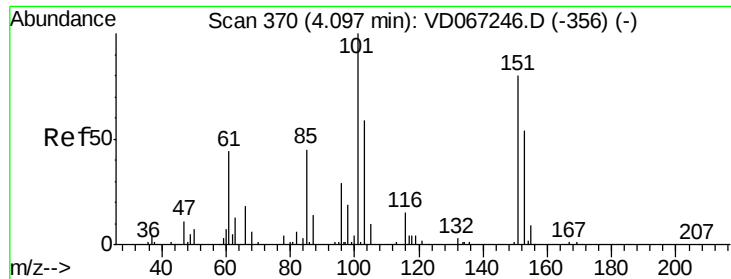


#8

Diethyl Ether
 Concen: 19.634 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.3	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.231 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

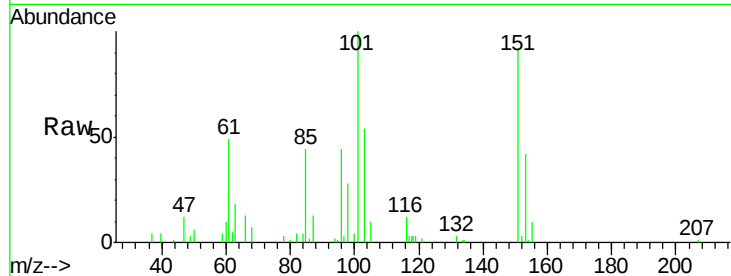
ClientSampleId :

VD1030SBS01

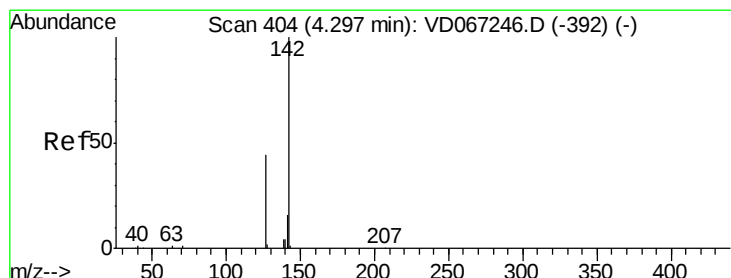
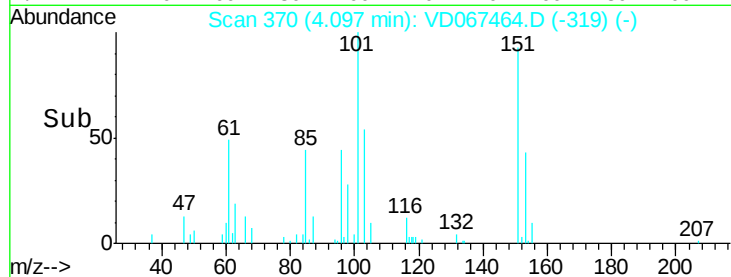
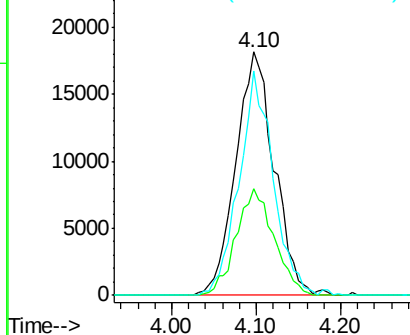
Tot Ion:	101	Resp:	57284
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.4
151	81.9	66.3	99.5

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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: 19.494 ug/l

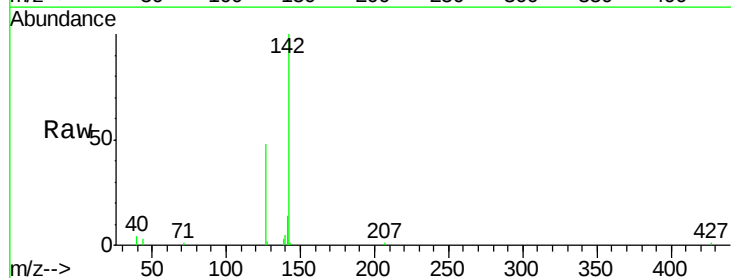
RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

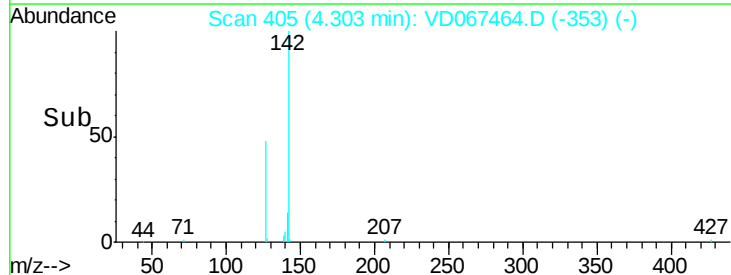
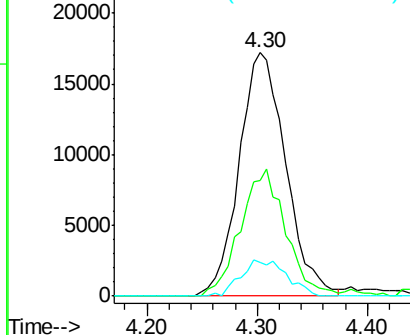
Lab File: VD067464.D

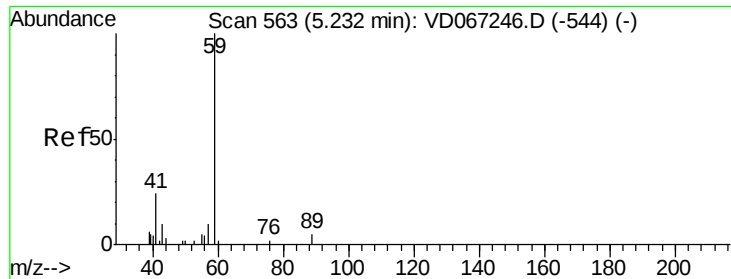
Acq: 30 Oct 2020 11:11

Tgt Ion:	142	Resp:	50917
Ion Ratio	Lower	Upper	
142	100		
127	50.6	38.4	57.6
141	14.6	11.6	17.4



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





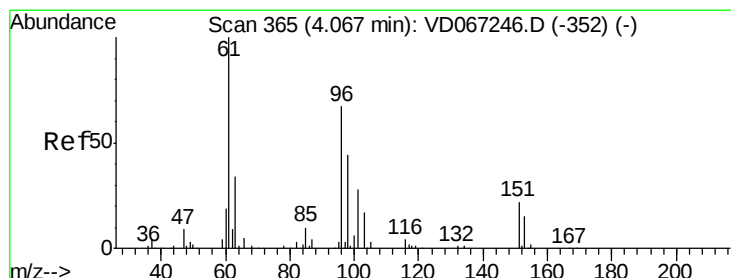
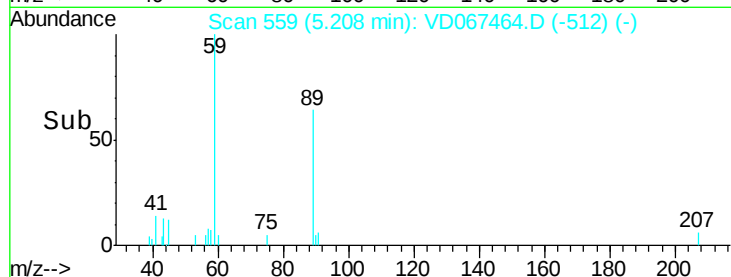
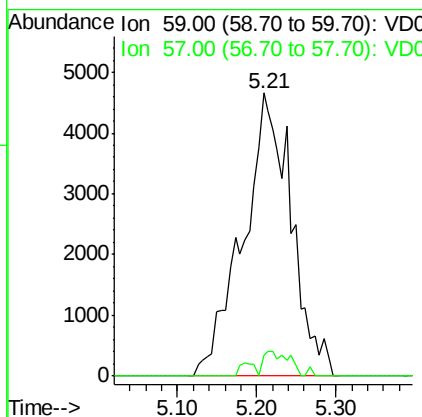
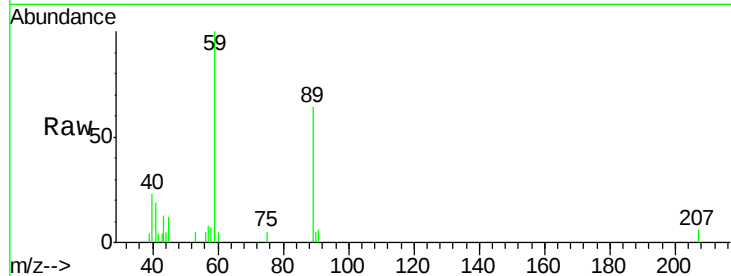
#11
Tert butyl alcohol
Concen: 95.172 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion: 59 Resp: 19702
Ion Ratio Lower Upper
59 100
57 4.6 5.1 7.7#

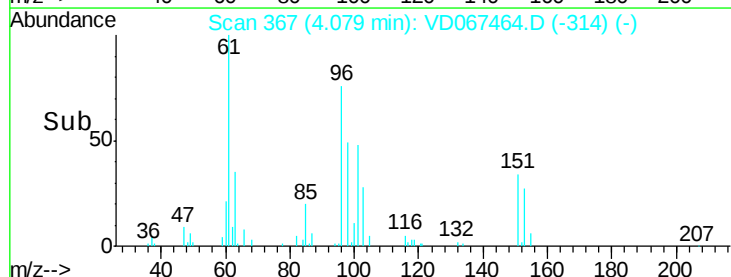
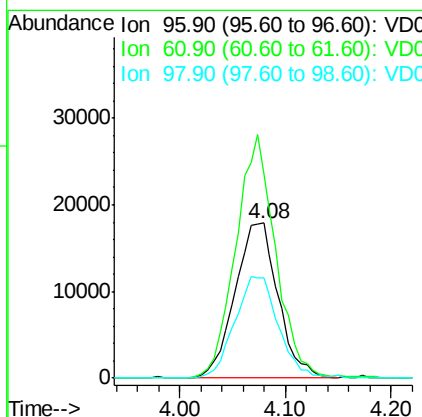
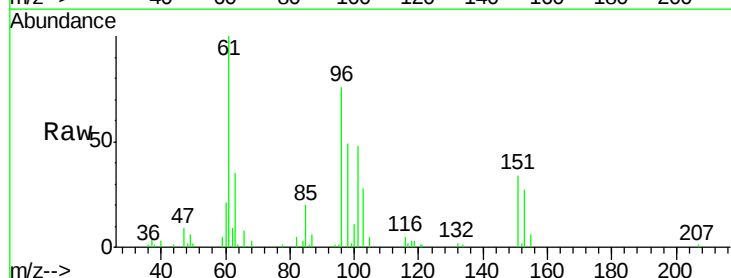
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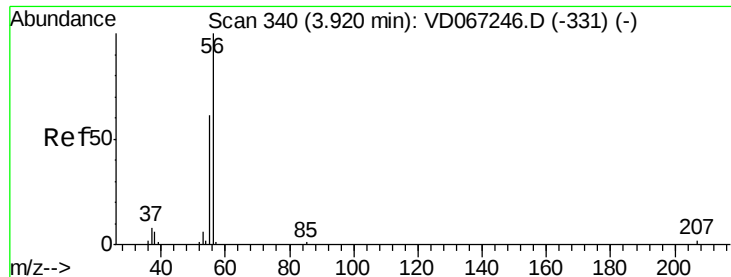
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.052 ug/l
RT: 4.08 min Scan# 367
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 96 Resp: 50723
Ion Ratio Lower Upper
96 100
61 131.9 118.6 177.8
98 64.6 51.8 77.6





#13

Acrolein

Concen: 61.075 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 56 Resp: 7919

Ion Ratio Lower Upper

56 100

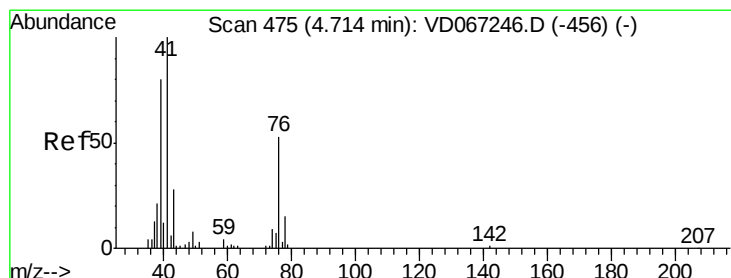
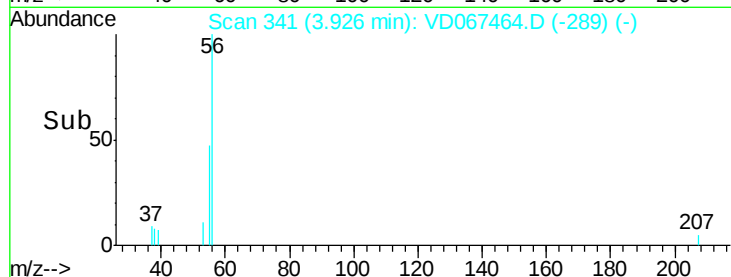
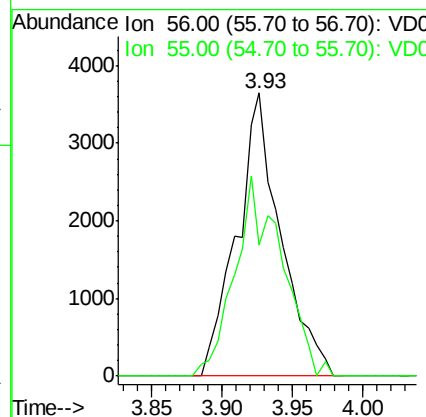
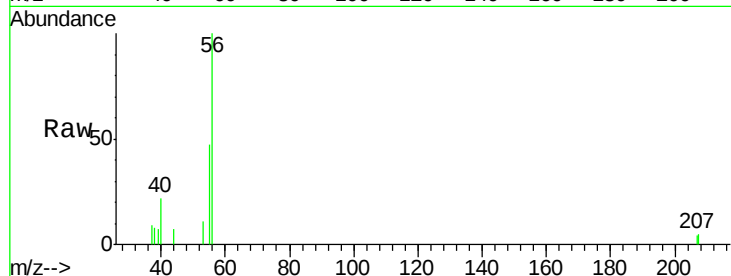
55 75.4 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.491 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

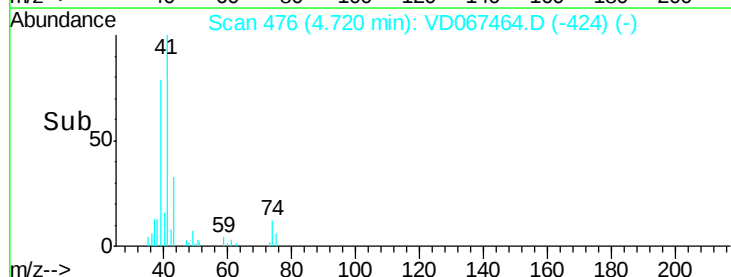
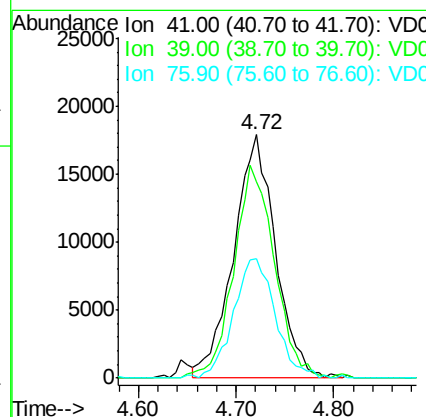
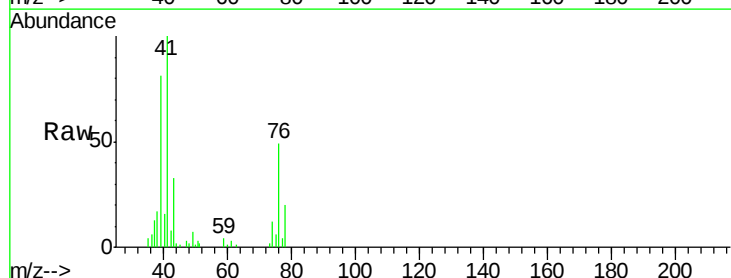
Tgt Ion: 41 Resp: 53565

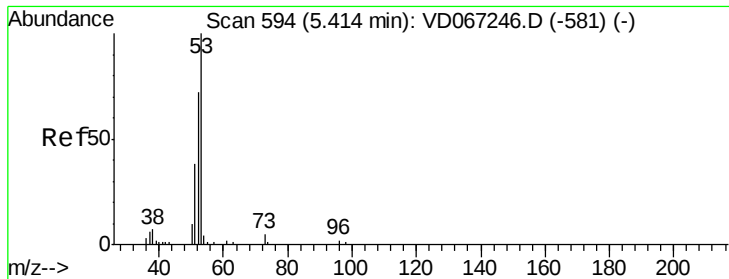
Ion Ratio Lower Upper

41 100

39 85.0 63.8 95.6

76 49.3 40.4 60.6





#15

Acrylonitrile

Concen: 98.927 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.02 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

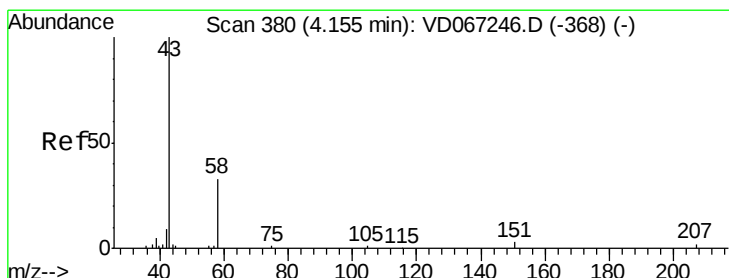
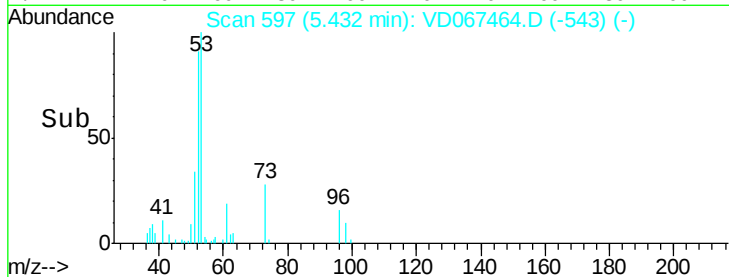
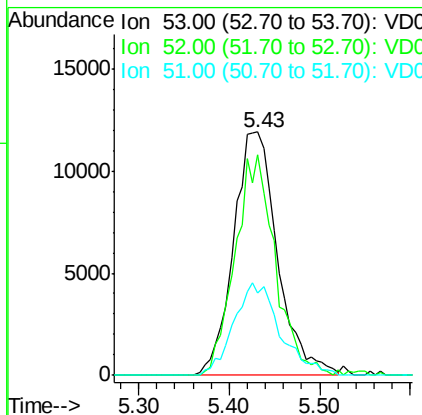
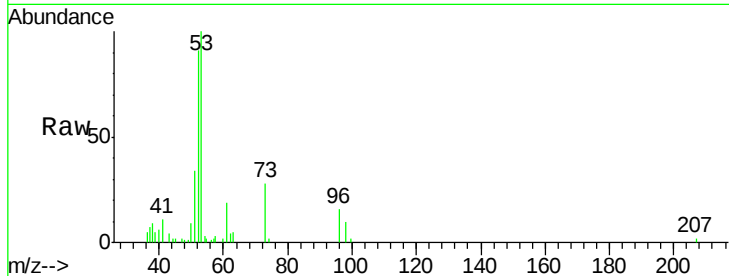
ClientSampleId :

VD1030SBS01

Tot Ion:	53	Resp:	40255
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.6	98.4
51	40.0	30.8	46.2

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#16

Acetone

Concen: 100.831 ug/l

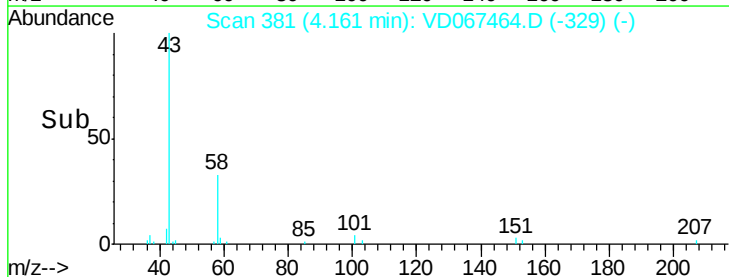
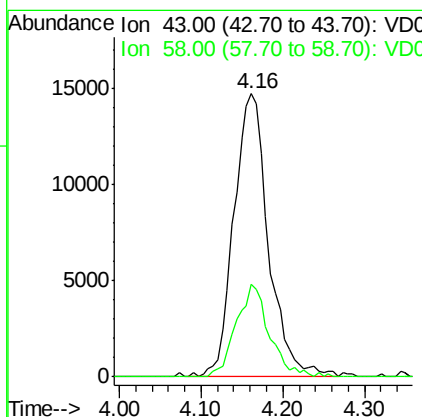
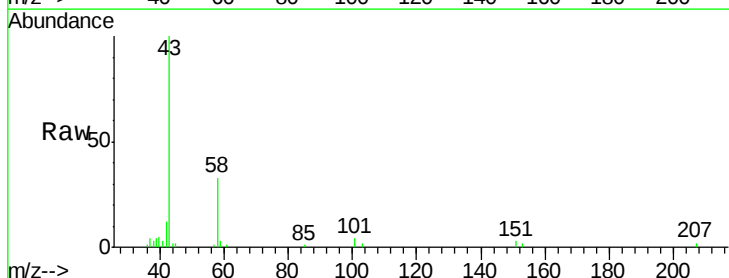
RT: 4.16 min Scan# 381

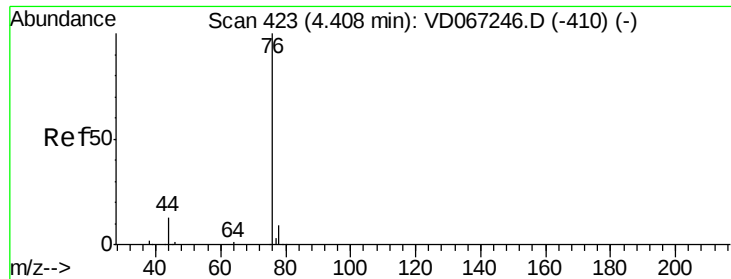
Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Tgt Ion:	43	Resp:	43362
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.1	39.1





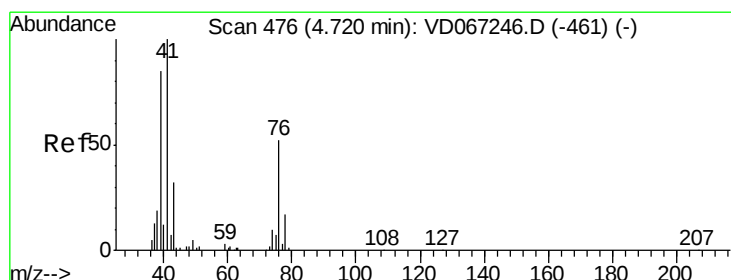
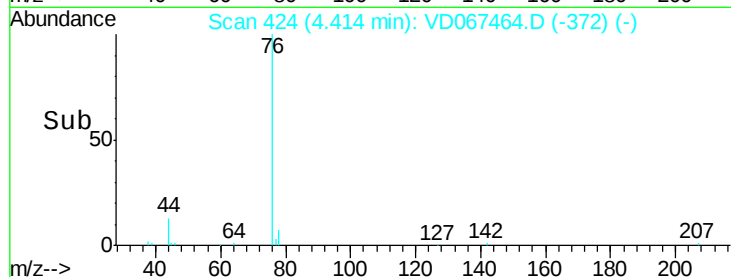
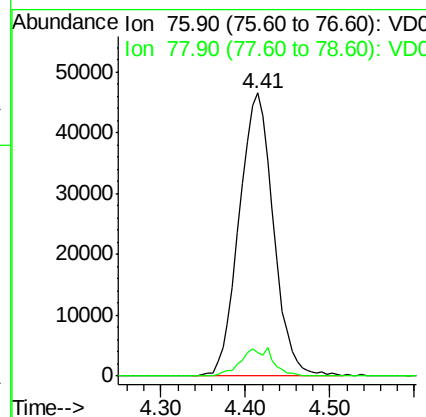
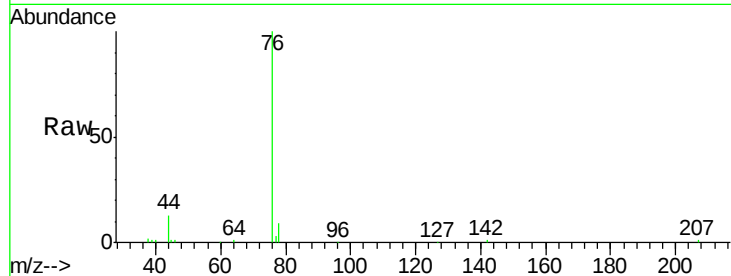
#17
Carbon Disulfide
Concen: 18.132 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

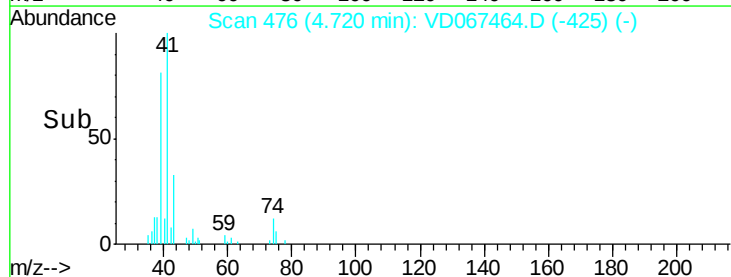
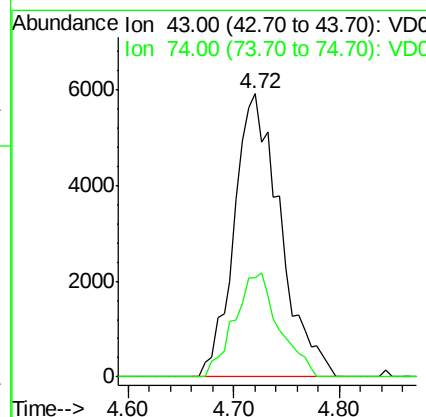
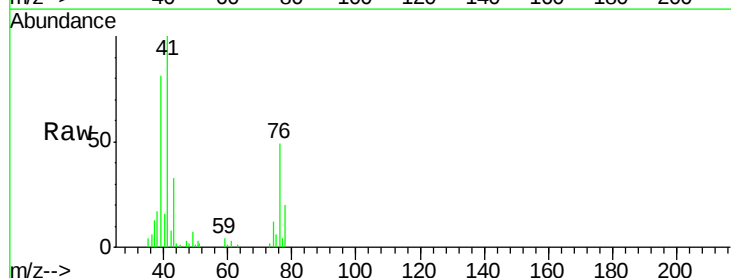
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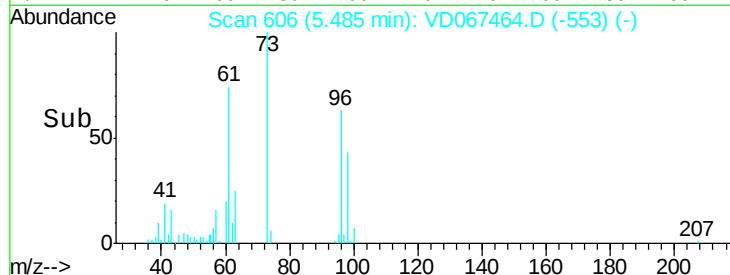
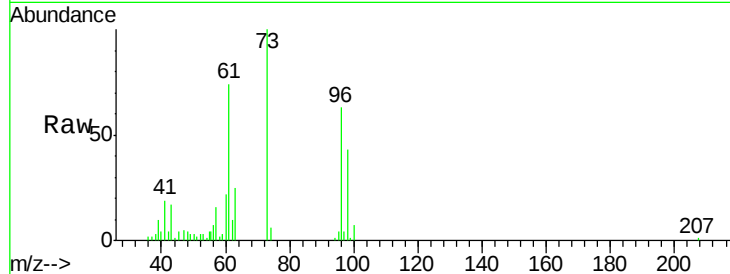
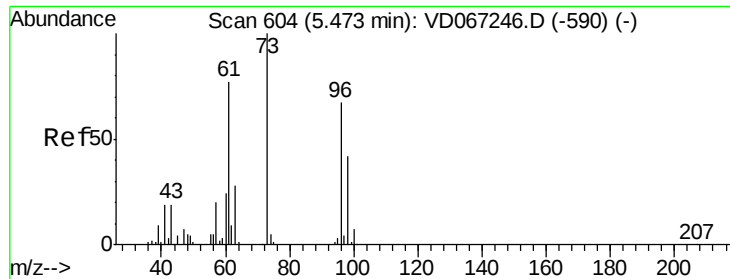
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#18
Methyl Acetate
Concen: 18.272 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	35.4	26.6	39.8





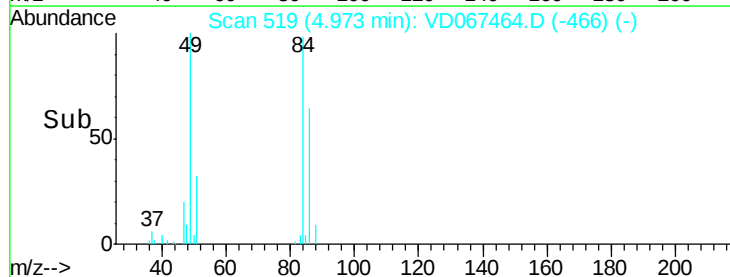
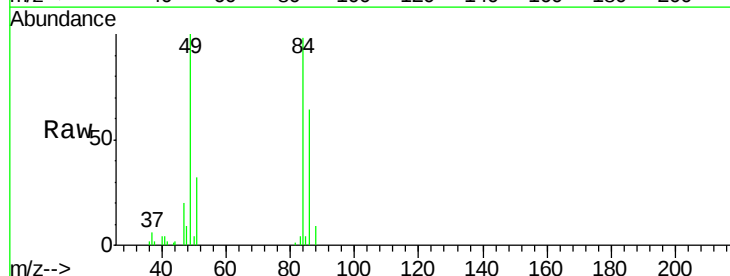
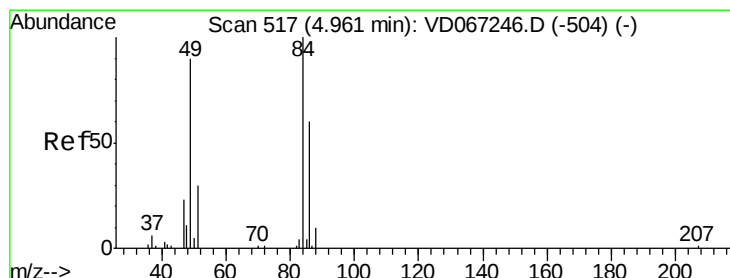
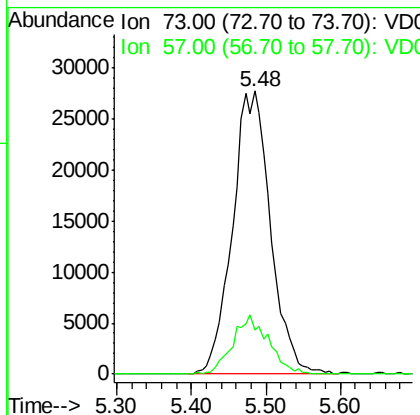
#19
Methvl tert-butvl Ether
Concen: 19.455 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tot Ion: 73 Resp: 97858
Ion Ratio Lower Upper
73 100
57 15.7 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

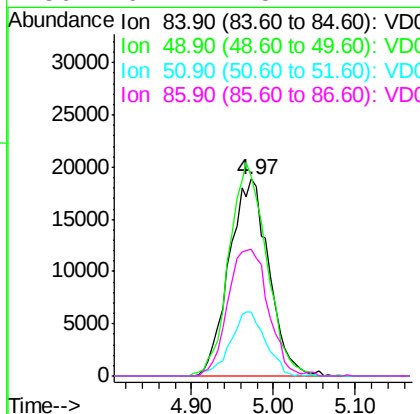
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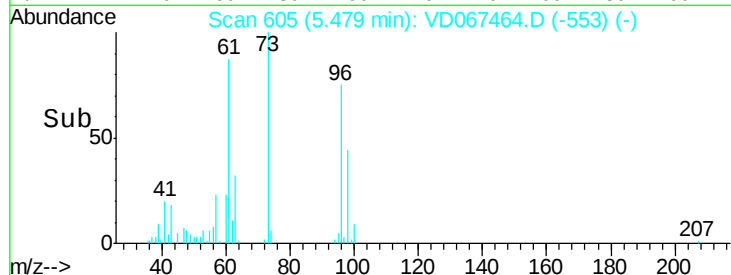
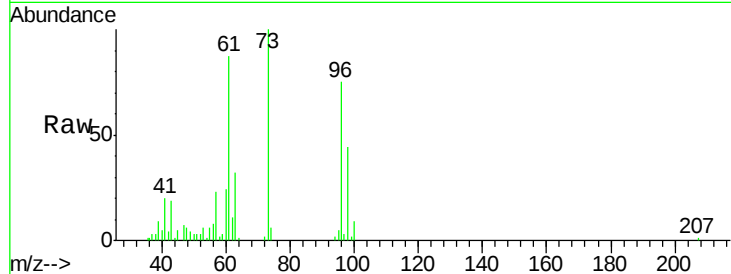
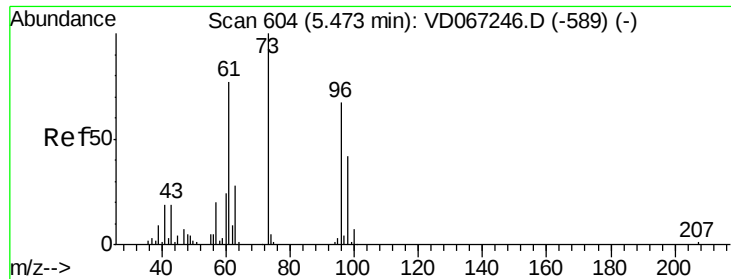
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#20
Methylene Chloride
Concen: 20.588 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 84 Resp: 63987
Ion Ratio Lower Upper
84 100
49 101.6 72.2 108.2
51 32.7 23.8 35.8
86 64.7 48.2 72.4





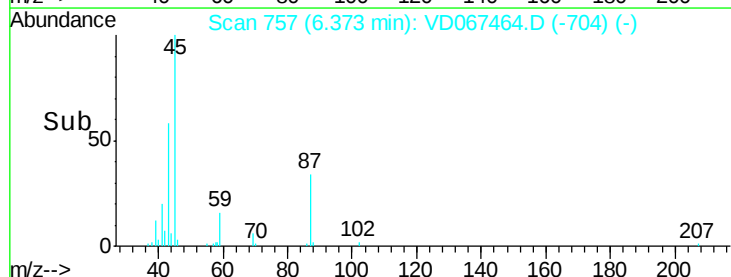
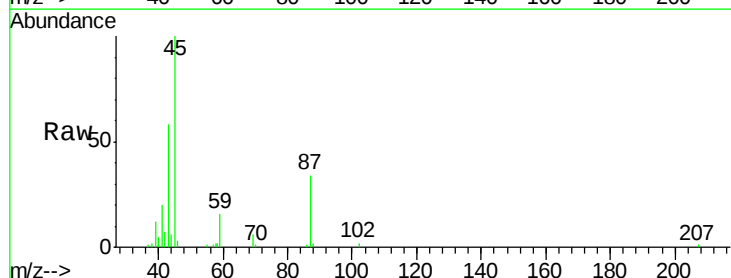
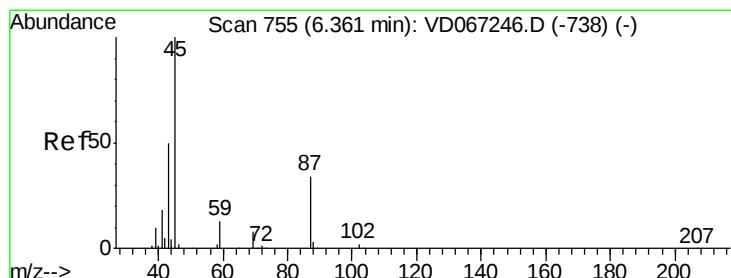
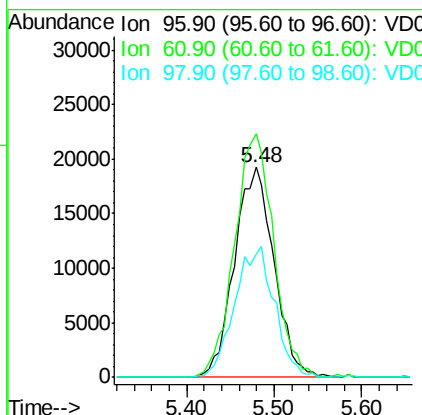
#21
trans-1,2-Dichloroethene
Concen: 20.276 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tot Ion	Ratio	Resp	Lower	Upper
96	100	59023		
61	116.1		92.0	138.0
98	58.9		49.8	74.8

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

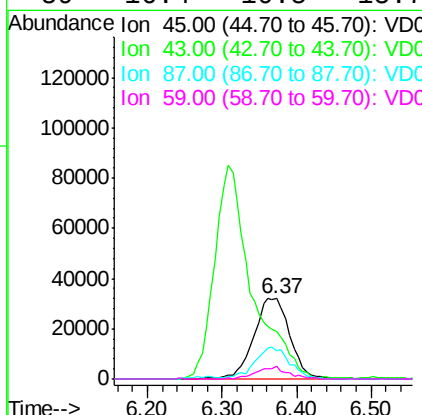
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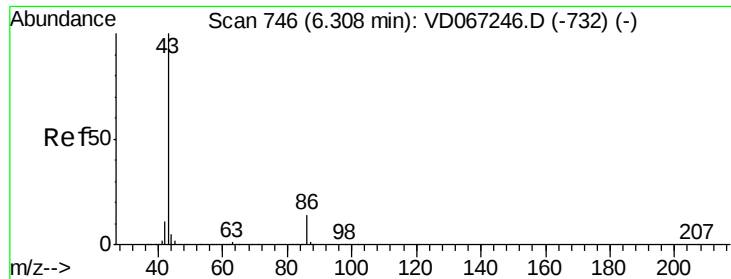
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#22
Diisopropyl ether
Concen: 20.425 ug/l
RT: 6.37 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	108088		
43	57.2		48.0	72.0
87	34.5		28.5	42.7
59	16.4		10.5	15.7#





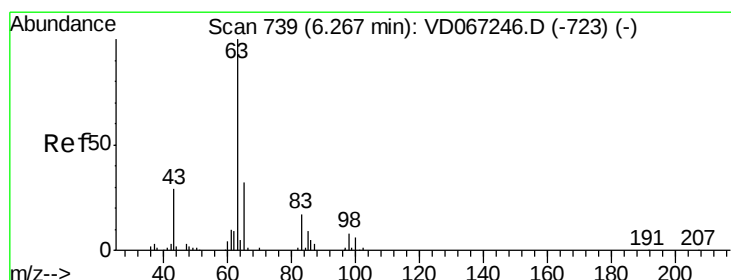
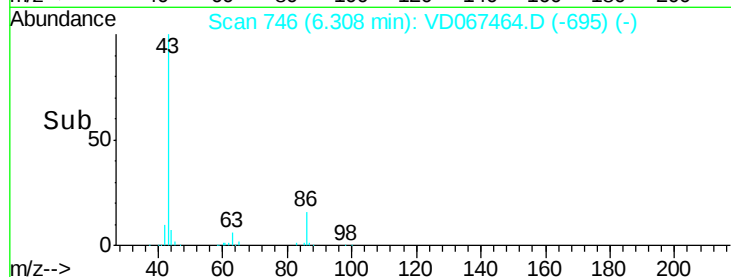
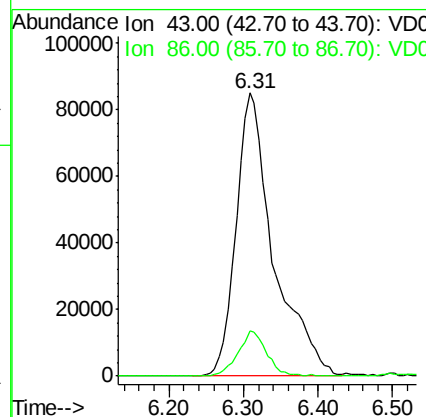
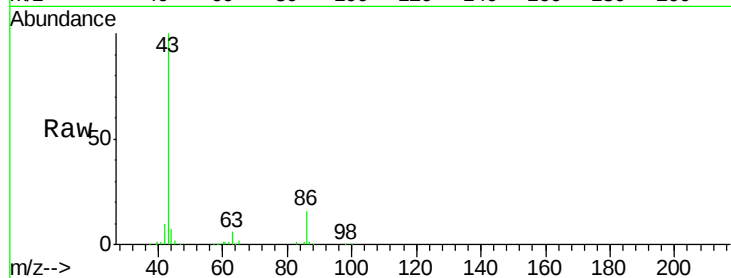
#23
 Vinyl Acetate
 Concen: 98.507 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	16.0	11.0	16.6

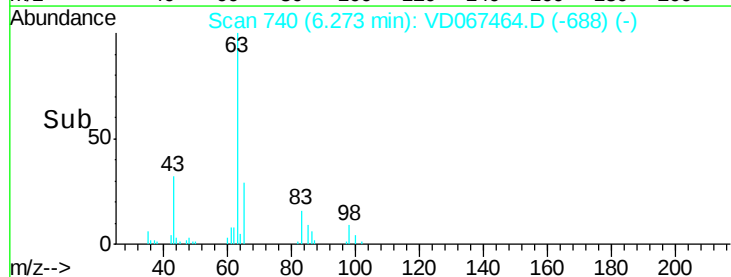
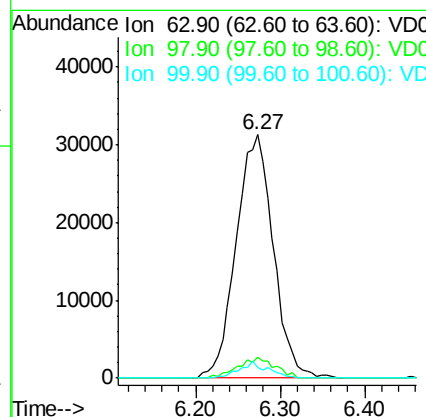
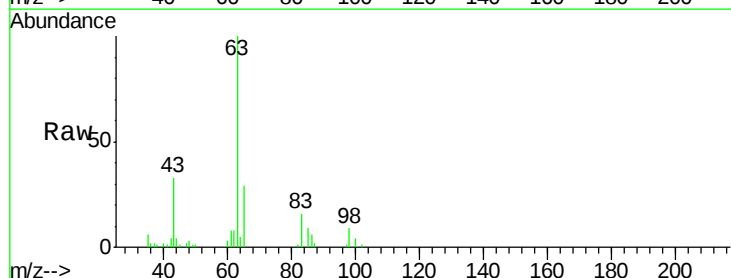
Manual Integrations
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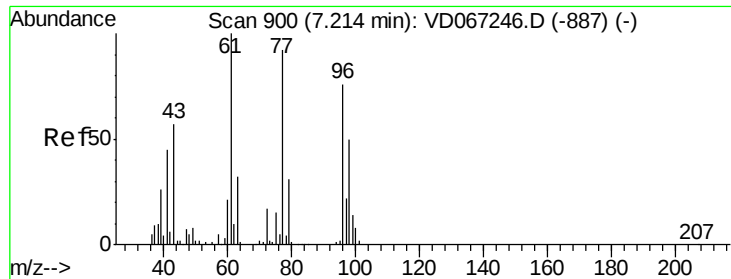
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#24
 1,1-Dichloroethane
 Concen: 20.954 ug/l
 RT: 6.27 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
63	100		
98	8.8	4.0	12.2
100	4.4	2.8	8.4





#25

2-Butanone

Concen: 95.300 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 43 Resp: 46717

Ion Ratio Lower Upper

43 100

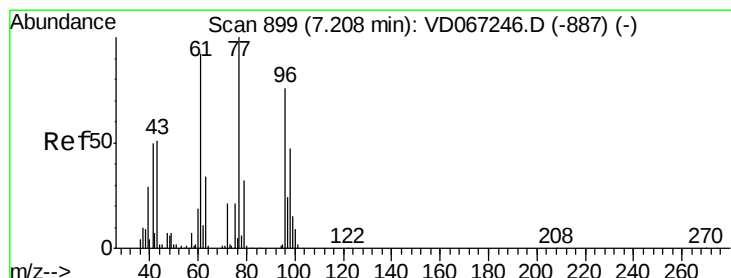
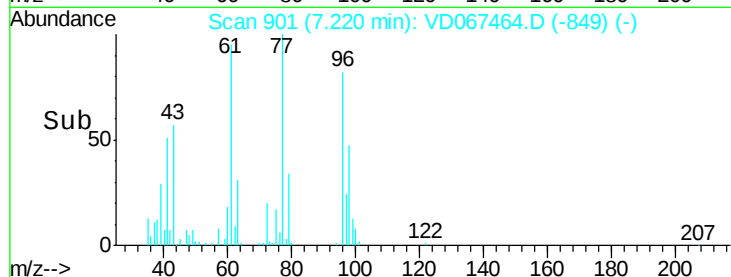
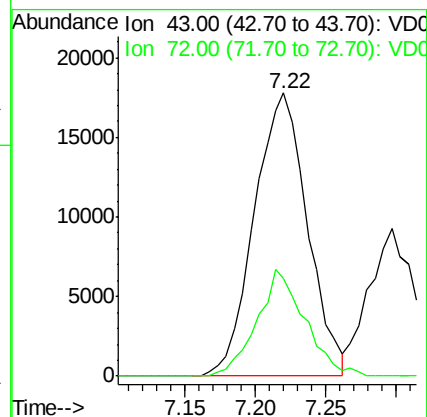
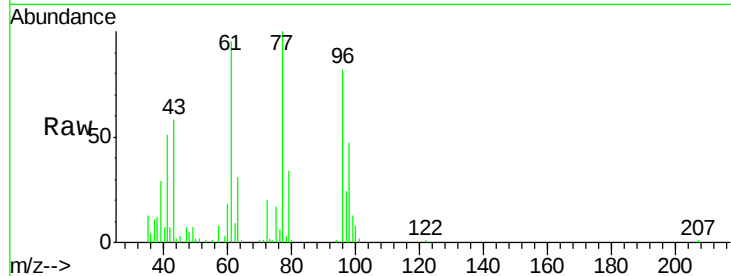
72 34.7 23.7 35.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.827 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067464.D

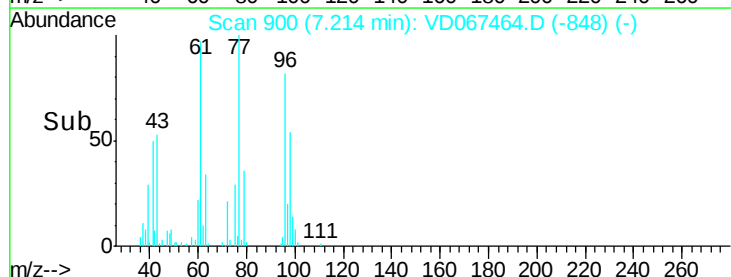
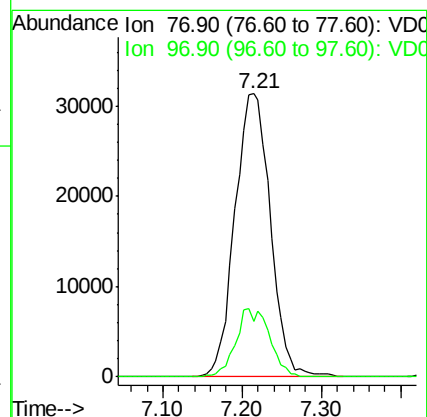
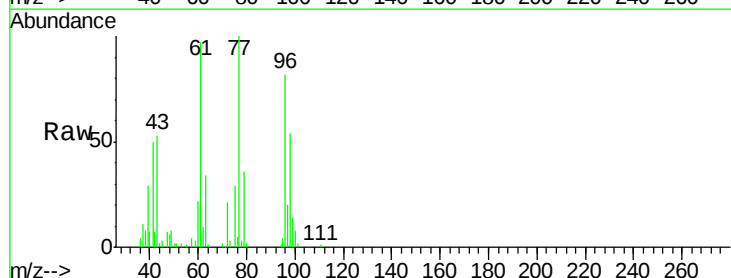
Acq: 30 Oct 2020 11:11

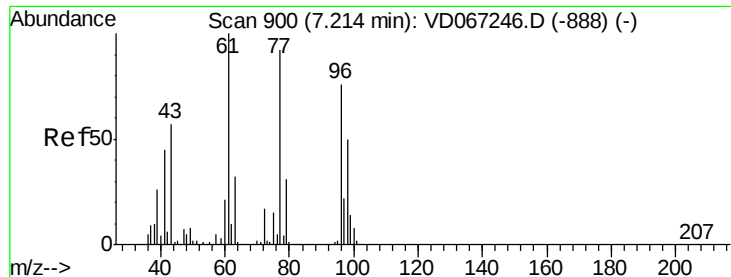
Tgt Ion: 77 Resp: 97241

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2





#27

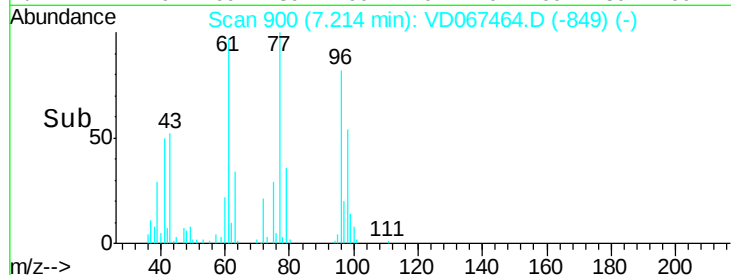
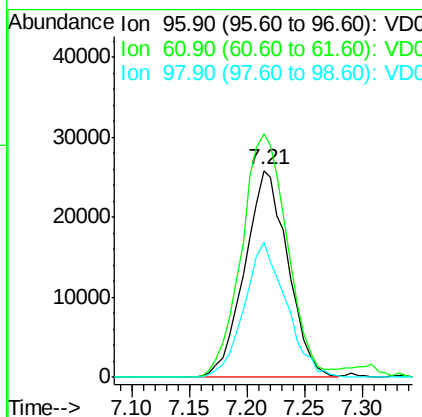
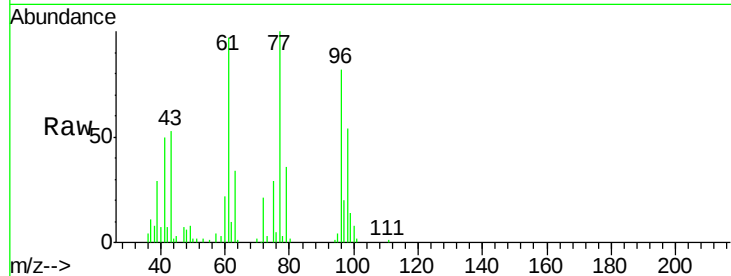
cis-1,2-Dichloroethene
Concen: 21.077 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	125.4	0.0	255.4
98	63.2	0.0	128.0

Manual Integrations
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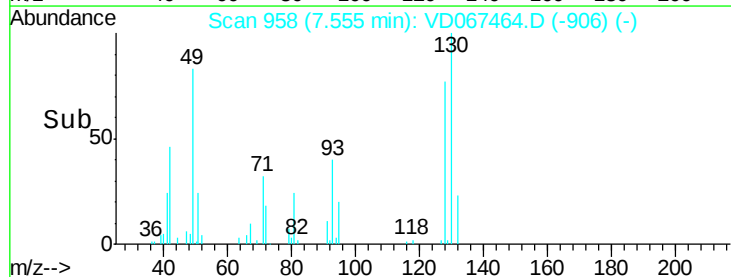
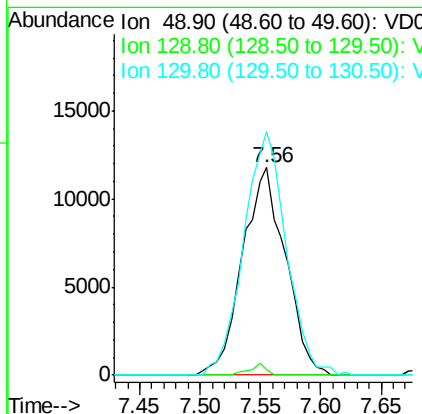
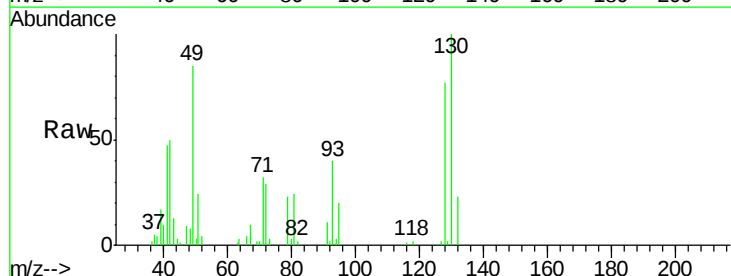
MMDadoda
11/2/2020 4:09:32 PM

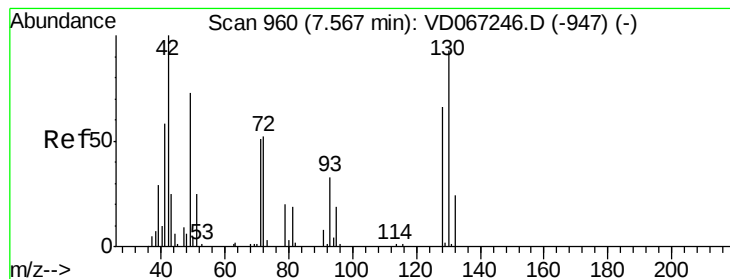


#28

Bromochloromethane
Concen: 18.757 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	1.6#
130	117.2	91.0	136.6





#29

Tetrahydrofuran

Concen: 92.185 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

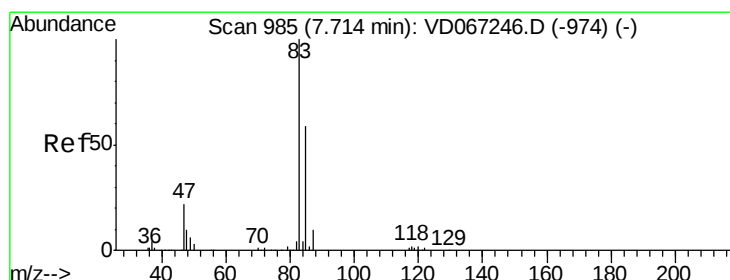
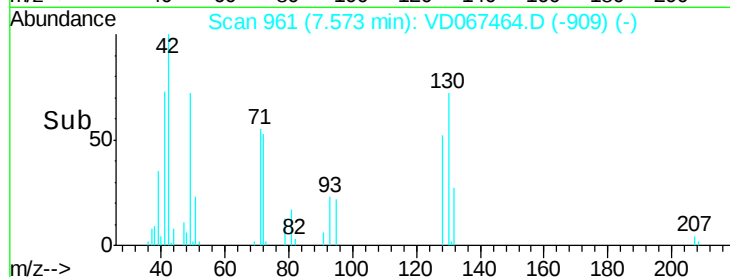
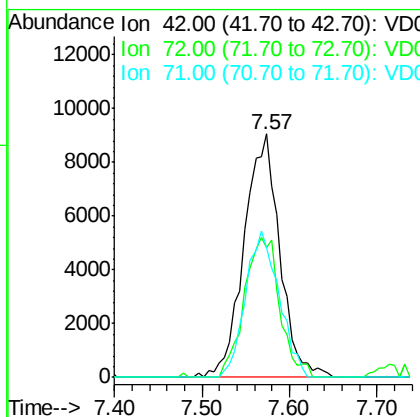
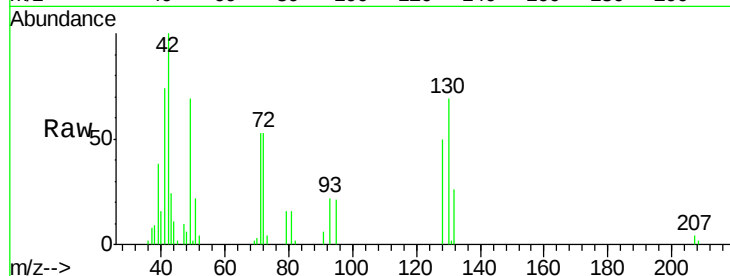
ClientSampleId :

VD1030SBS01

Tot Ion:	42	Resp:	25120
Ion	Ratio	Lower	Upper
42	100		
72	56.9	43.2	64.8
71	56.3	39.4	59.0

Manual Integrations
APPROVED

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#30

Chloroform

Concen: 21.185 ug/l

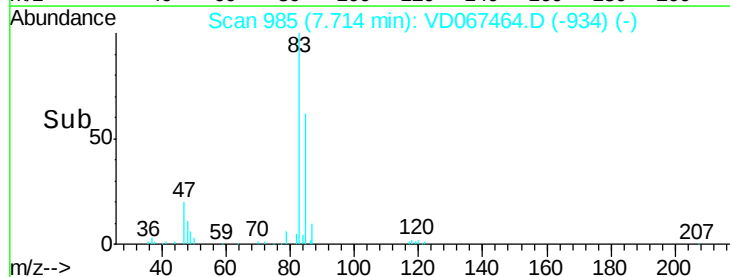
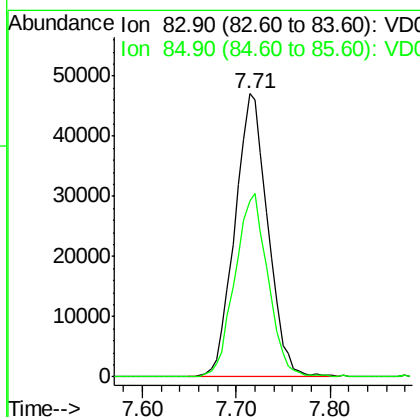
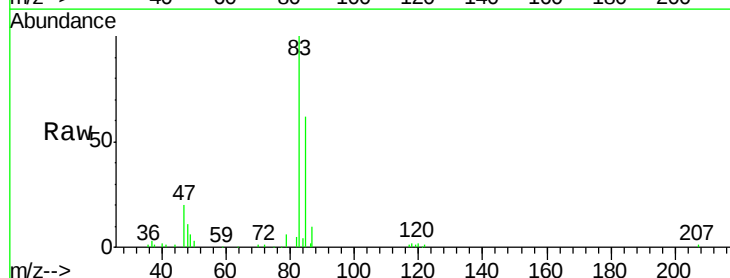
RT: 7.71 min Scan# 985

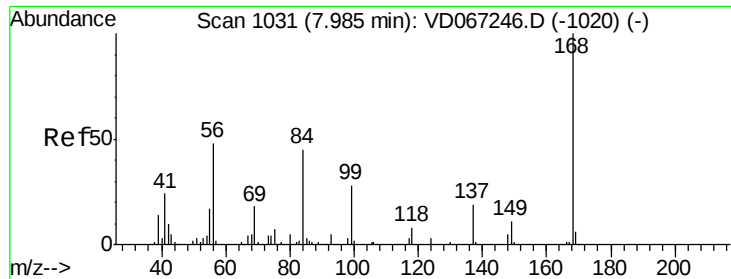
Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Tgt Ion:	83	Resp:	114640
Ion	Ratio	Lower	Upper
83	100		
85	62.2	47.3	70.9





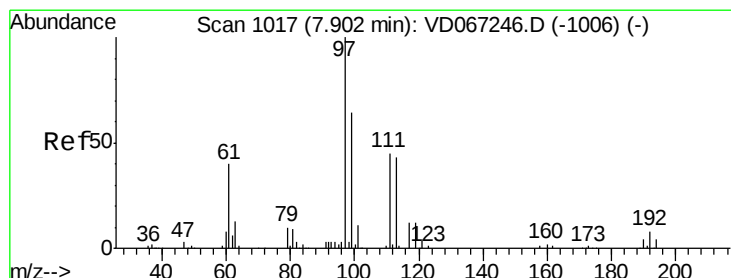
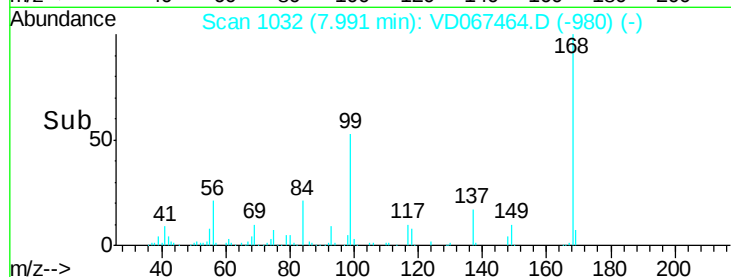
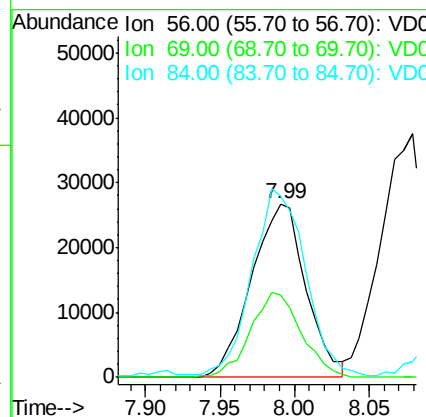
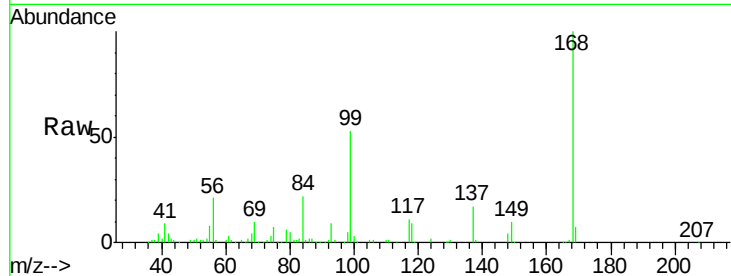
#31
Cyclohexane
Concen: 19.124 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	47.2	29.8	44.6#
84	102.7	76.6	114.8

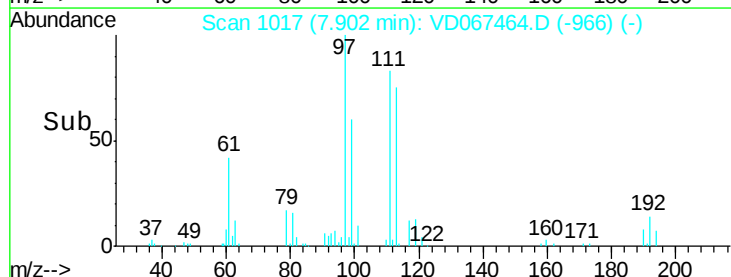
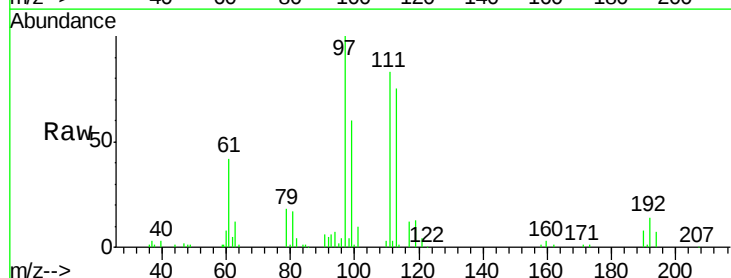
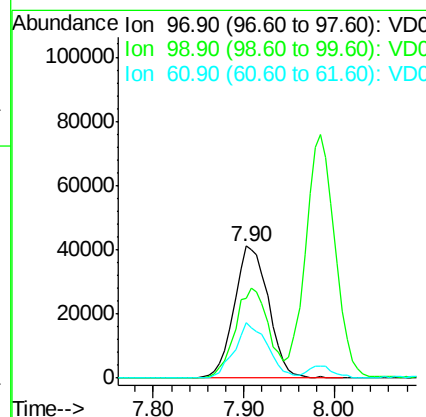
Manual Integrations
APPROVED

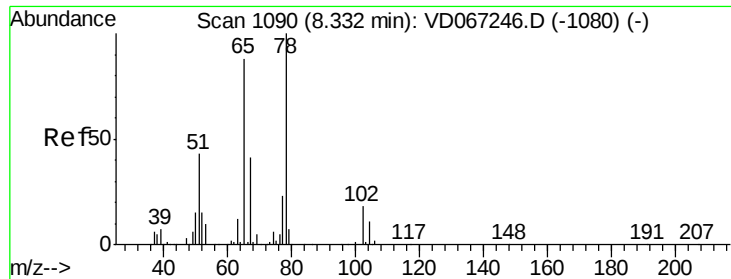
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.442 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	50.2	75.4
61	40.2	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 46.955 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 65 Resp: 144182

Ion Ratio Lower Upper

65 100

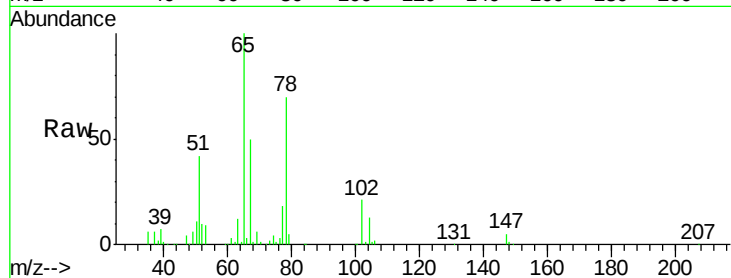
67 49.9 0.0 103.8

Manual Integrations

APPROVED

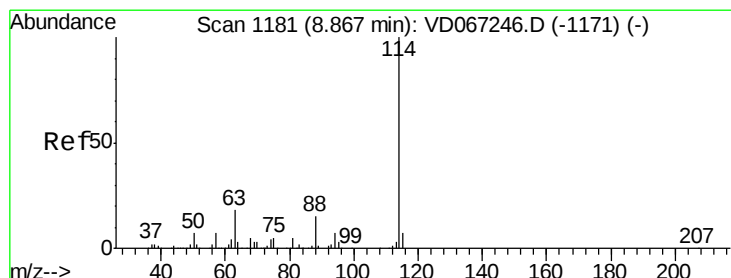
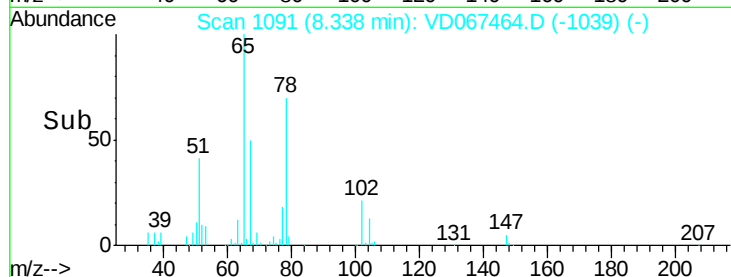
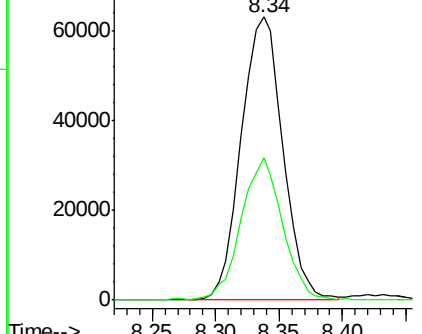
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Abundance Ion 64.90 (64.60 to 65.60): VD067464.D (-1080) (-)

Ion 66.90 (66.60 to 67.60): VD067464.D (-1080) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

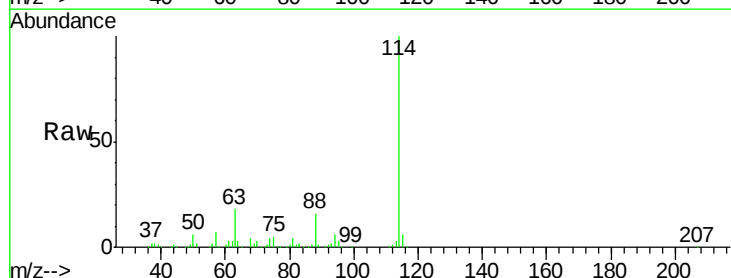
Tgt Ion: 114 Resp: 446773

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.0

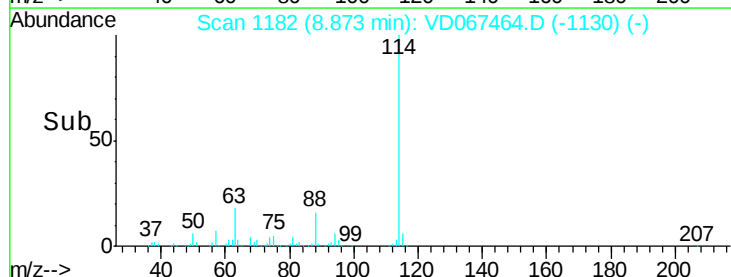
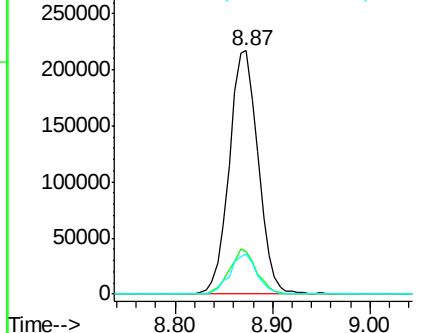
88 16.3 0.0 30.6

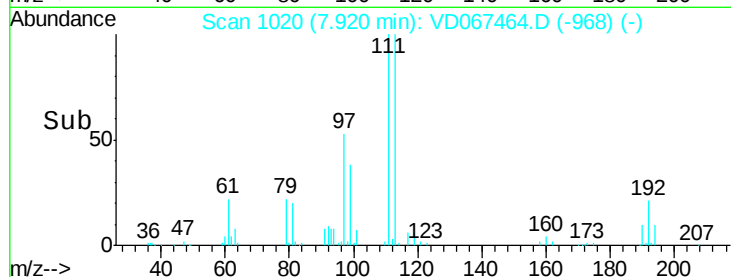
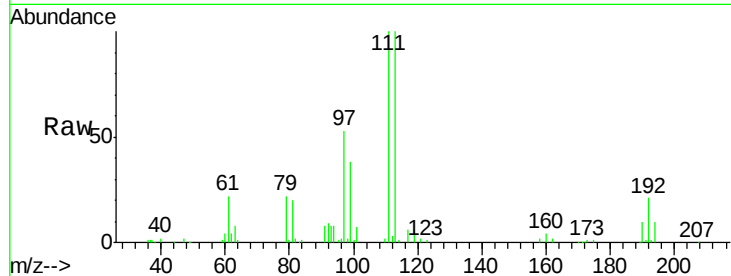
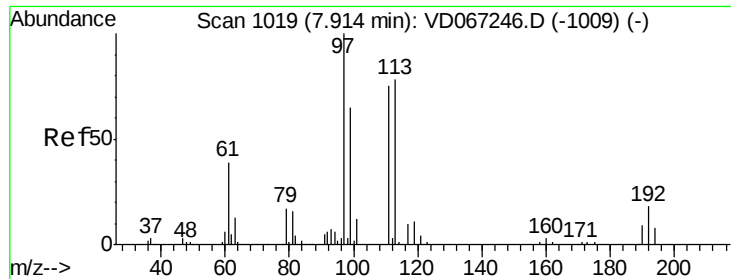


Abundance Ion 113.90 (113.60 to 114.60): VD067464.D (-1171) (-)

Ion 63.00 (62.70 to 63.70): VD067464.D (-1171) (-)

Ion 87.90 (87.60 to 88.60): VD067464.D (-1171) (-)





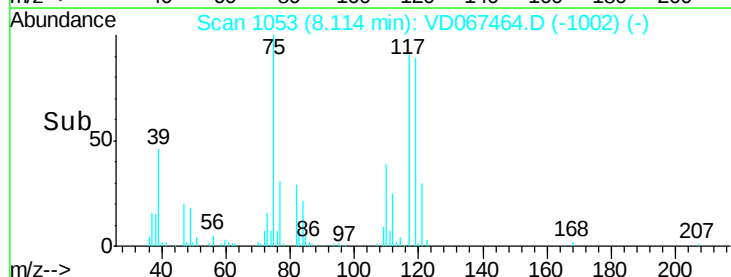
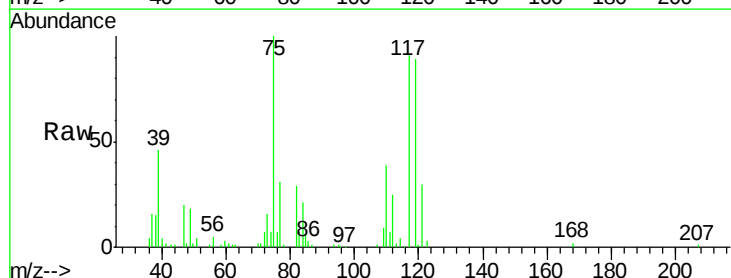
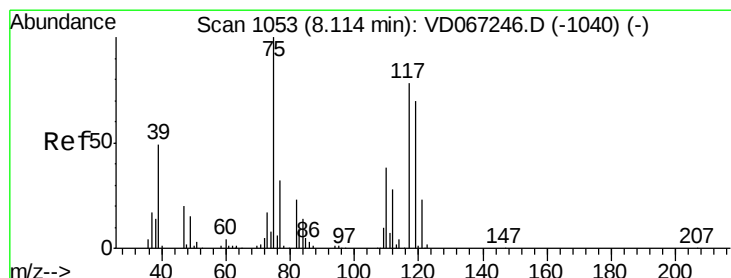
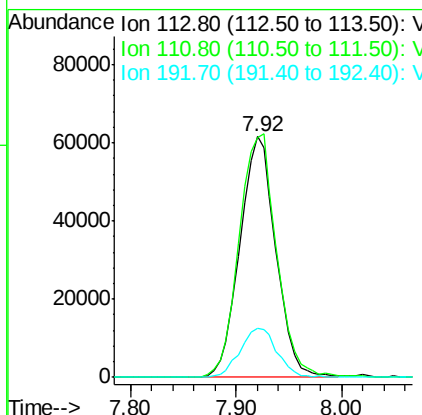
#35
 Dibromofluoromethane
 Concen: 48.993 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	105.6	81.6	122.4	
192	21.2	17.0	25.4	

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

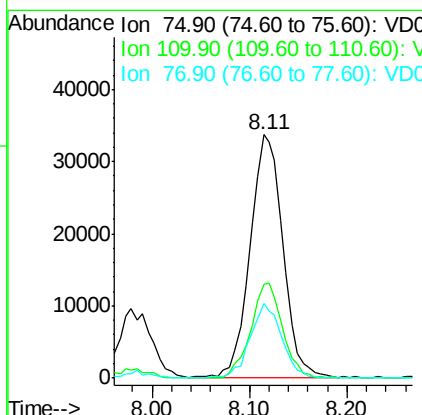
Manual Integrations
 APPROVED

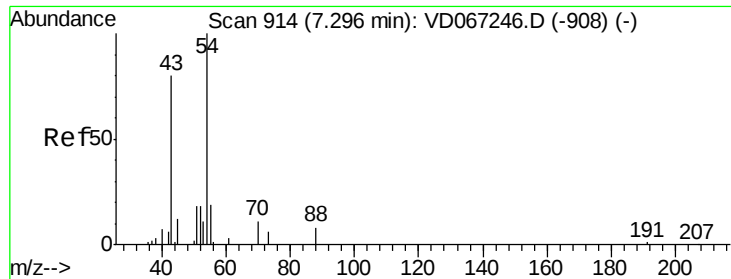
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#36
 1,1-Dichloropropene
 Concen: 21.063 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	37.7	19.6	58.7	
77	29.5	24.6	37.0	





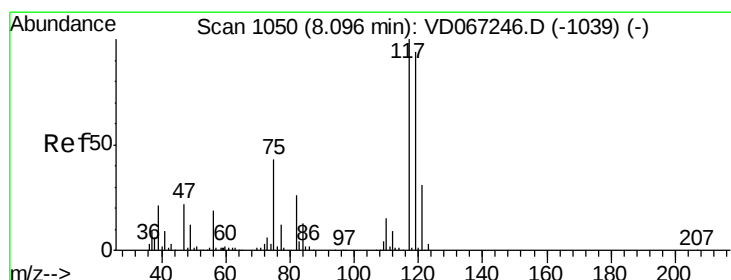
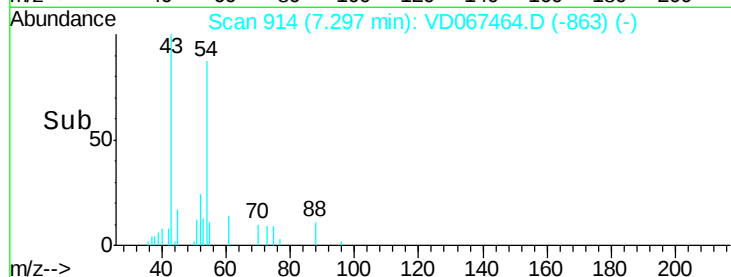
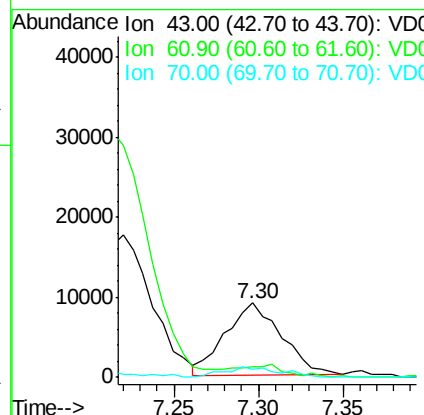
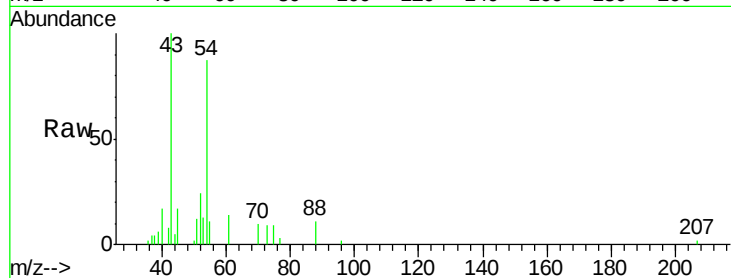
#37
Ethyl Acetate
Concen: 18.473 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.6	23.4#
70	14.8	10.4	15.6

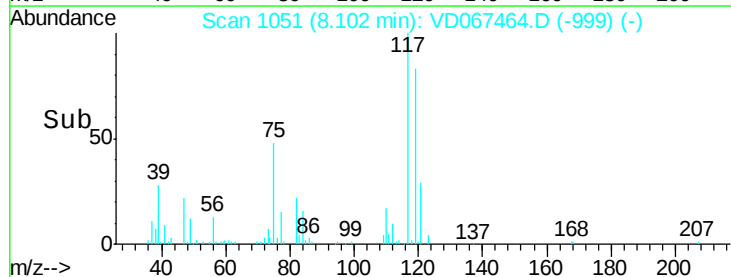
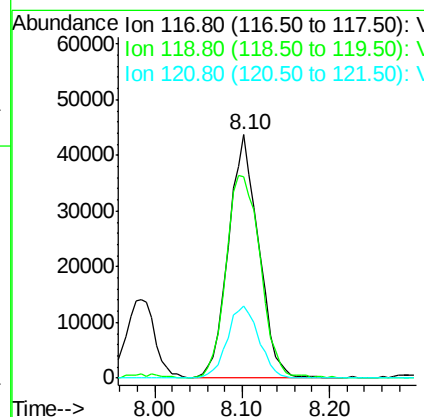
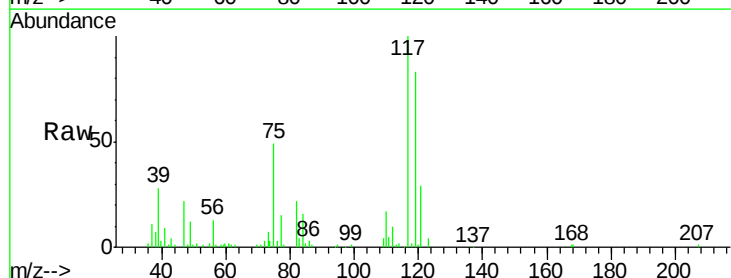
Manual Integrations
APPROVED

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#38
Carbon Tetrachloride
Concen: 21.376 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	82.8	75.0	112.4
121	29.4	24.9	37.3





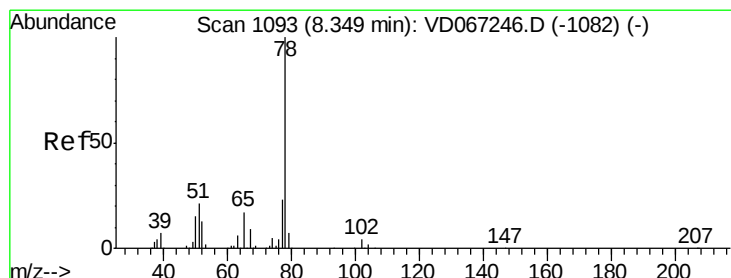
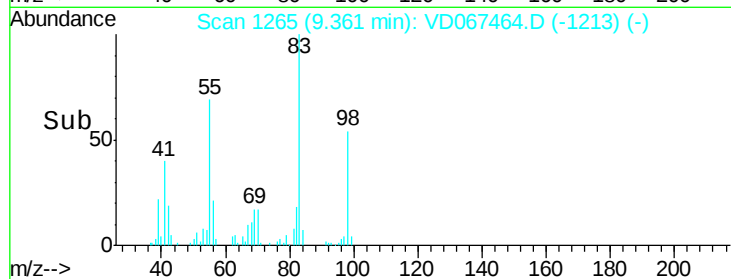
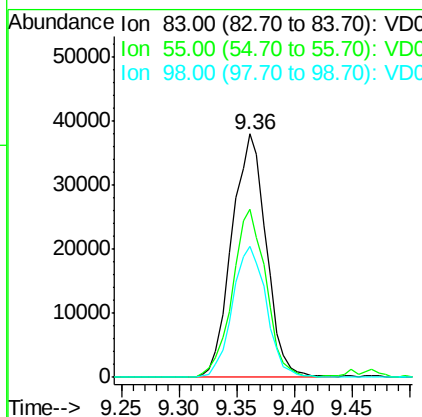
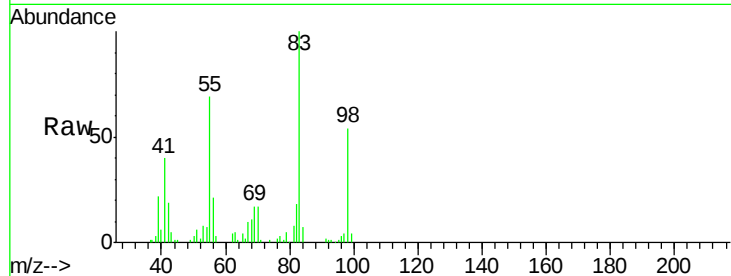
#39
Methvlcvclohexane
Concen: 19.838 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.0	53.3	79.9
98	54.0	41.0	61.4

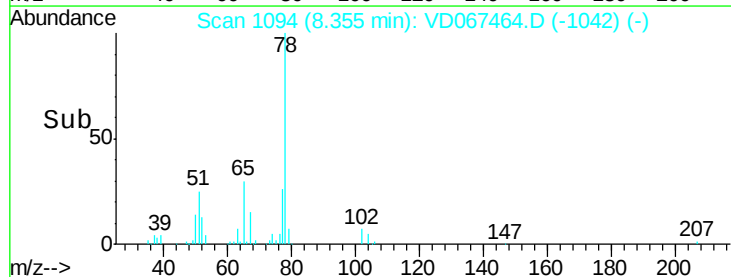
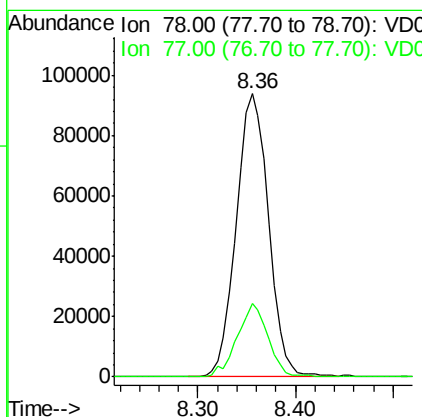
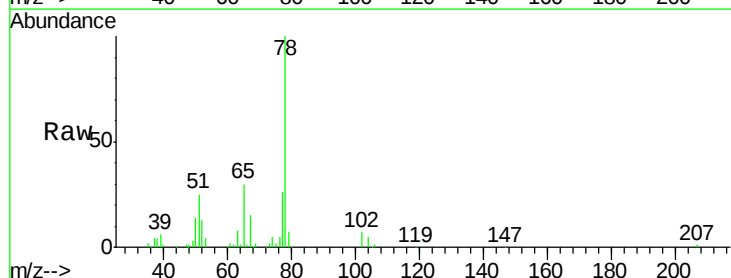
Manual Integrations
APPROVED

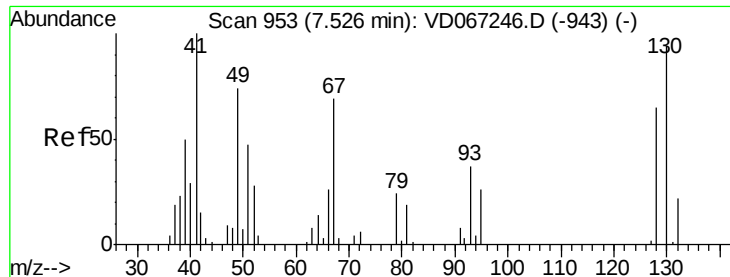
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#40
Benzene
Concen: 20.924 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.8	18.3	27.5





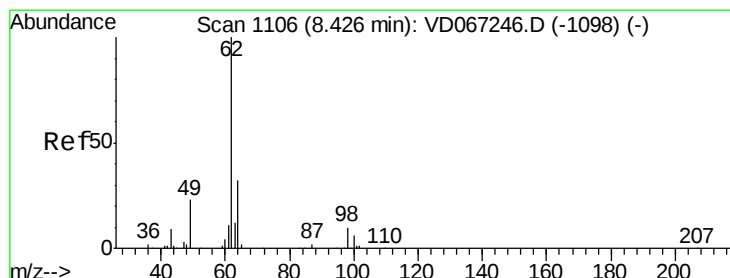
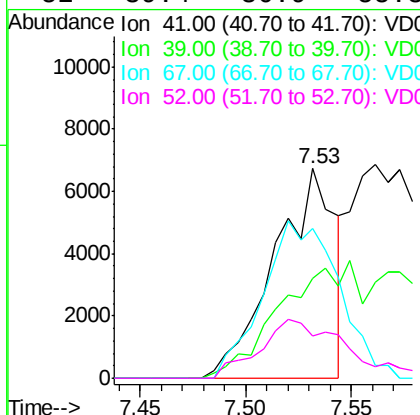
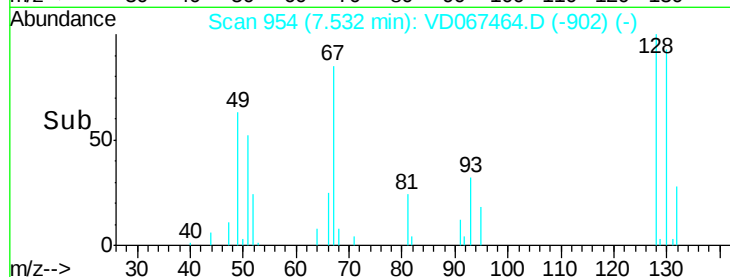
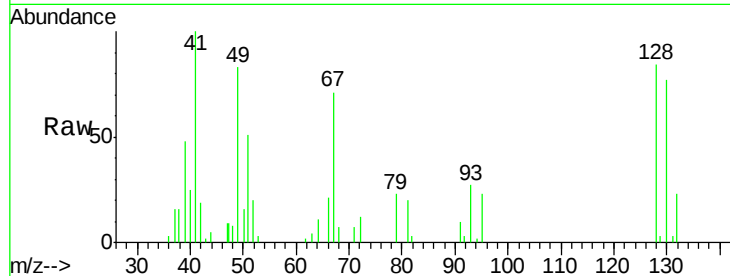
#41
Methacrylonitrile
Concen: 22.393 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.0	90.0#
67	93.6	88.9	133.3
52	39.4	36.9	55.3

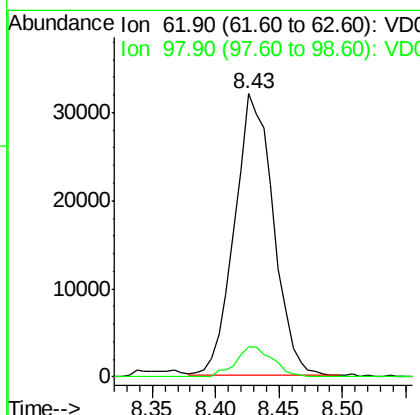
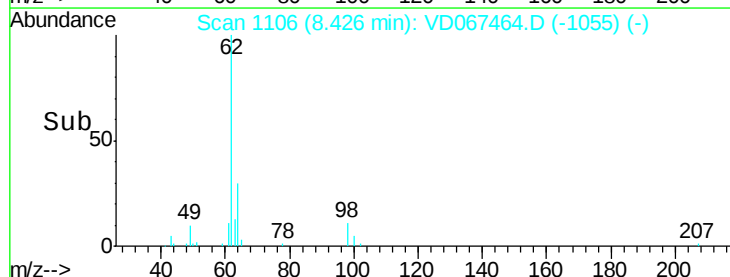
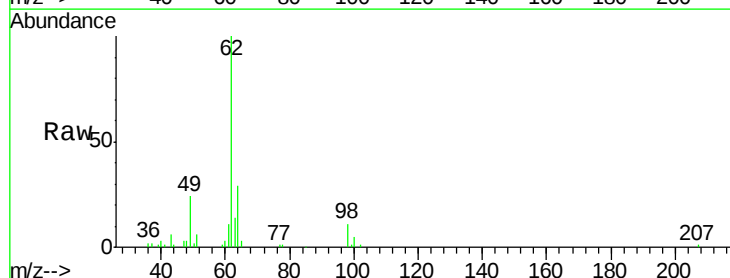
Manual Integrations
APPROVED

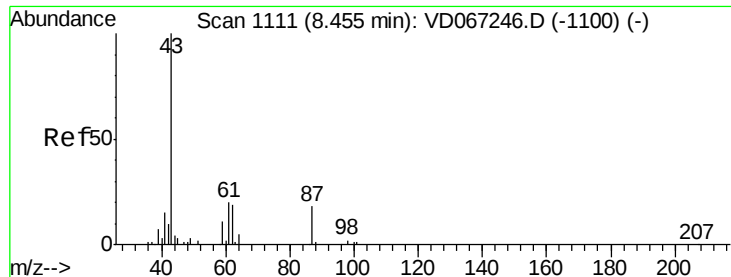
MMDadoda
11/2/2020 4:09:32 PM



#42
1,2-Dichloroethane
Concen: 20.927 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4





#43

Isopropyl Acetate

Concen: 19.580 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

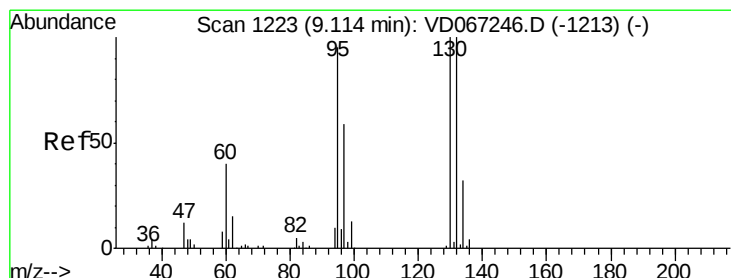
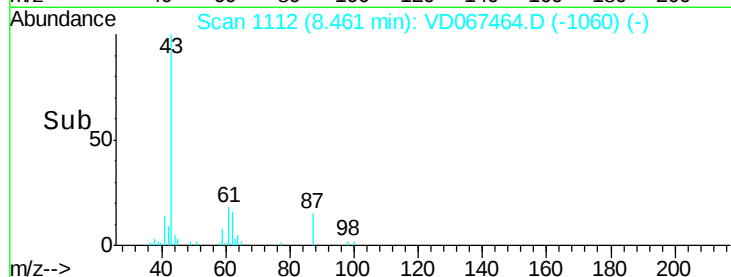
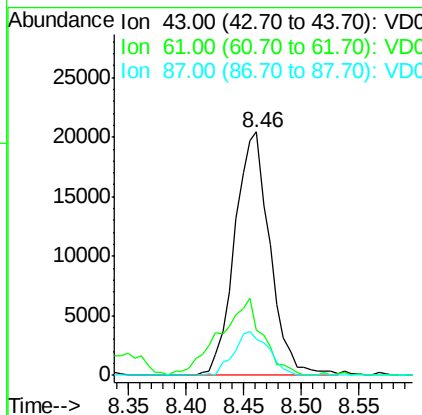
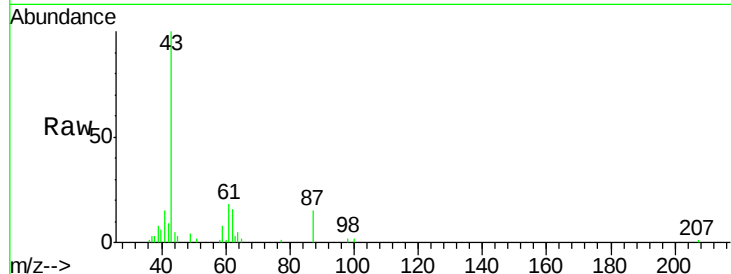
ClientSampleId :

VD1030SBS01

Tot Ion:	43	Resp:	43286
Ion	Ratio	Lower	Upper
43	100		
61	38.8	29.5	44.3
87	17.7	14.2	21.4

Manual Integrations
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#44

Trichloroethene

Concen: 21.335 ug/l

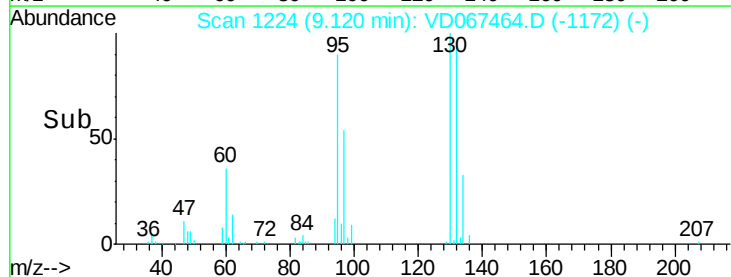
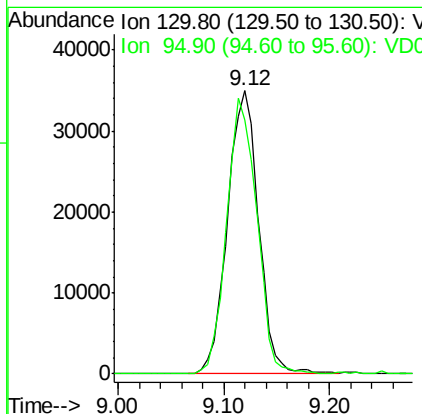
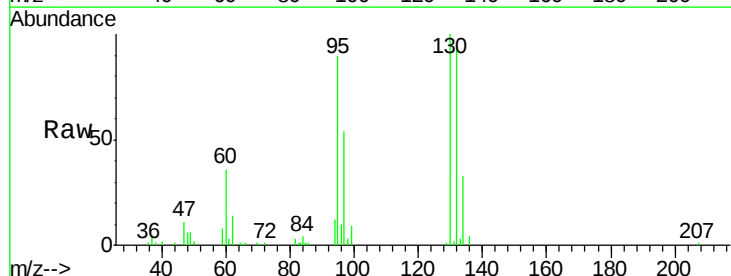
RT: 9.12 min Scan# 1224

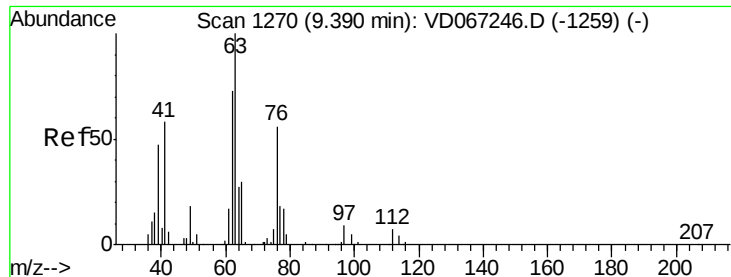
Delta R.T. 0.01 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Tgt Ion:	130	Resp:	70962
Ion	Ratio	Lower	Upper
130	100		
95	89.9	0.0	190.6





#45

1,2-Dichloropropane

Concen: 20.103 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 63 Resp: 48399

Ion Ratio Lower Upper

63 100

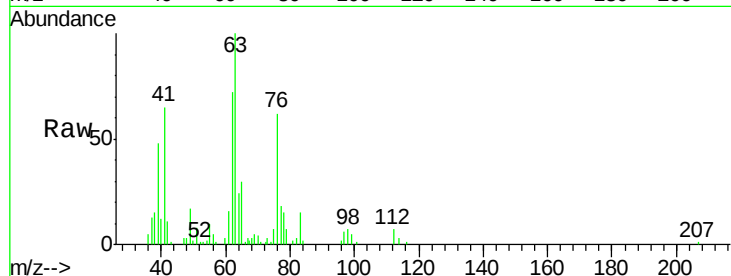
65 29.9 24.6 36.8

Manual Integrations

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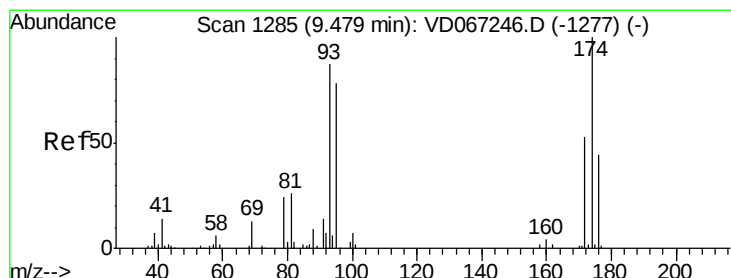
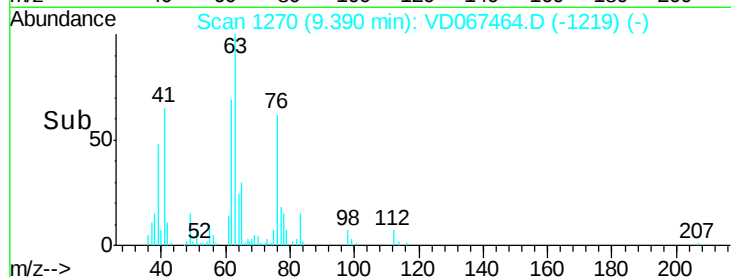
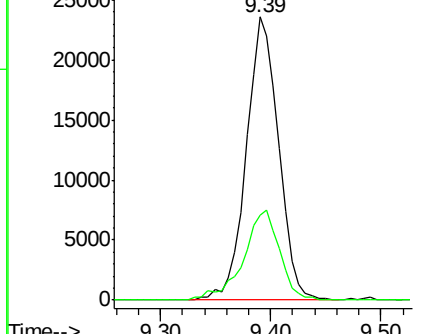
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.093 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

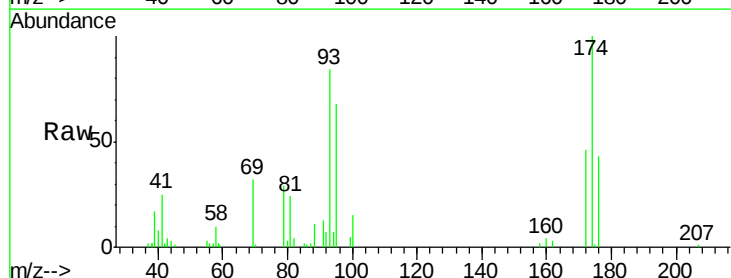
Tgt Ion: 93 Resp: 30140

Ion Ratio Lower Upper

93 100

95 86.7 68.0 102.0

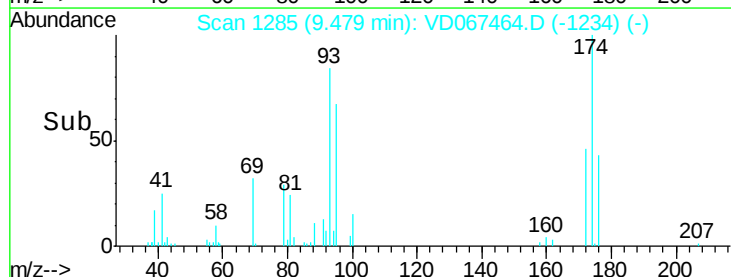
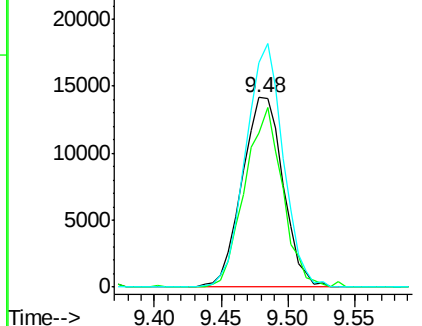
174 117.1 91.8 137.6

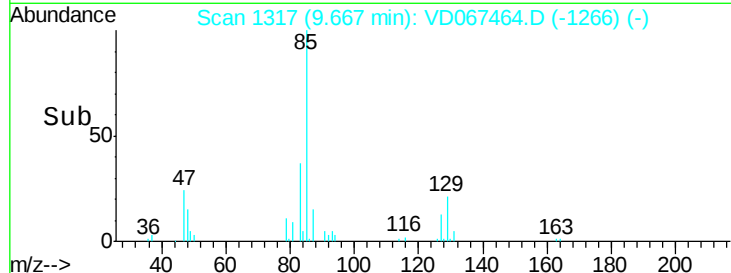
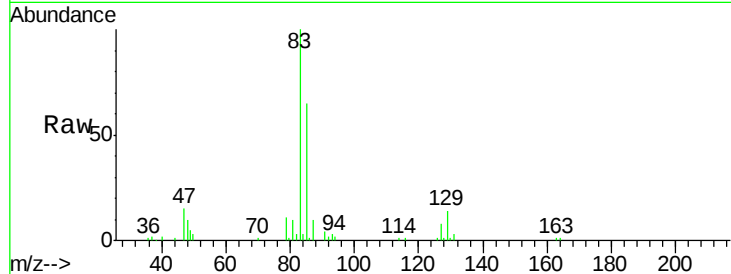
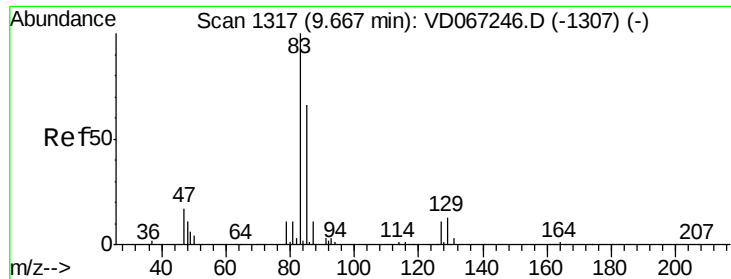


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





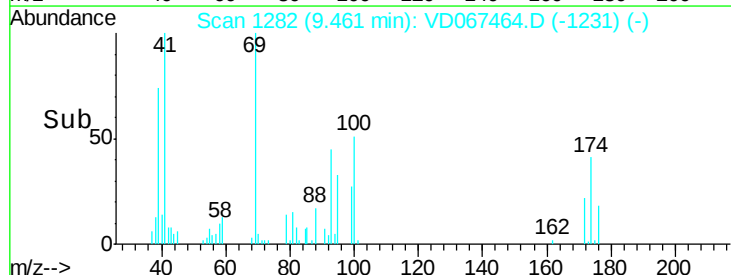
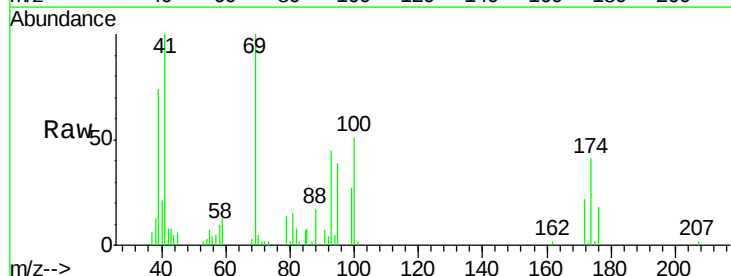
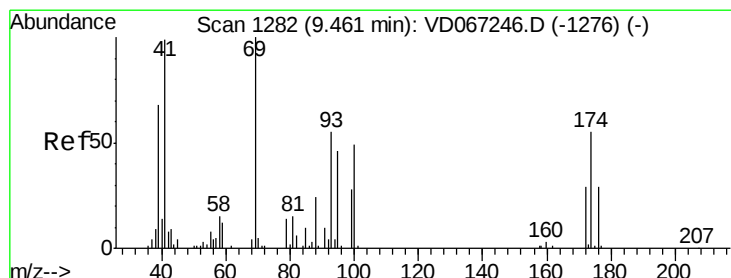
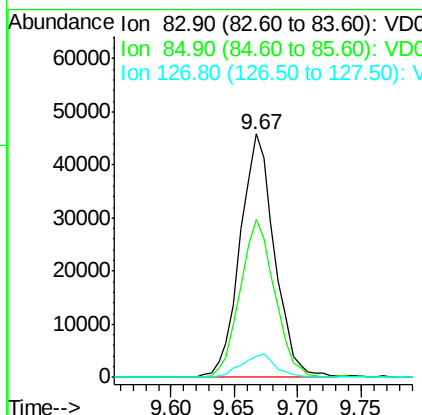
#47
Bromodichloromethane
Concen: 21.511 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tot Ion	83	85	127	Resp	86454
Ion Ratio	100	64.7	8.4	Lower	Upper
		53.1	8.6		
		79.7	13.0		

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

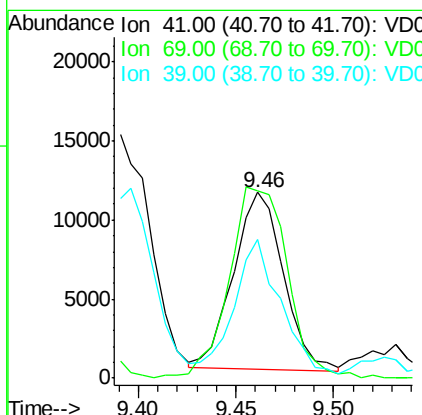
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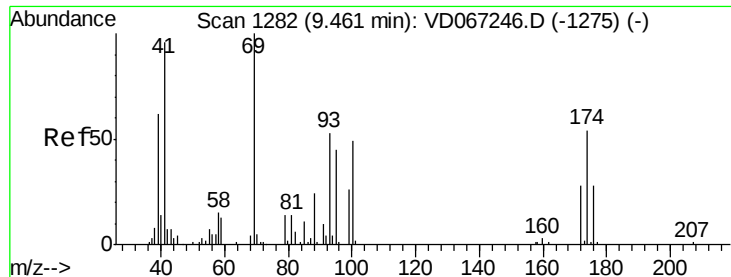
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#48
Methyl methacrylate
Concen: 18.565 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	41	69	39	Resp	19945
Ion Ratio	100	125.5	76.3	Lower	Upper
		89.0	60.2		
		133.6	90.2		





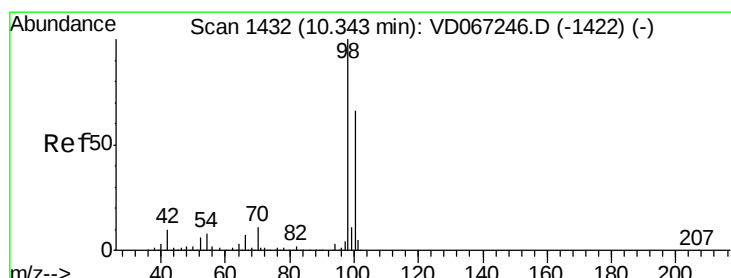
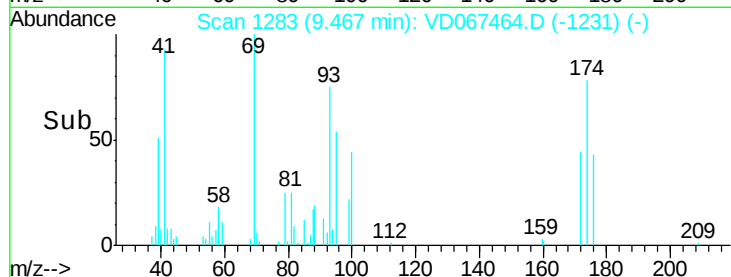
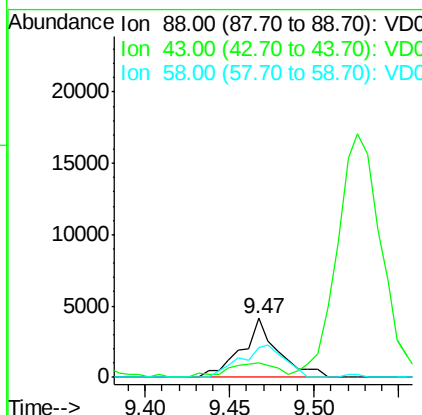
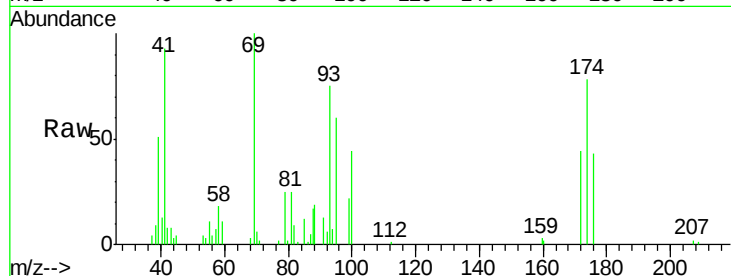
#49
1,4-Dioxane
Concen: 408.518 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.6	23.9	35.9
58	66.1	51.0	76.6

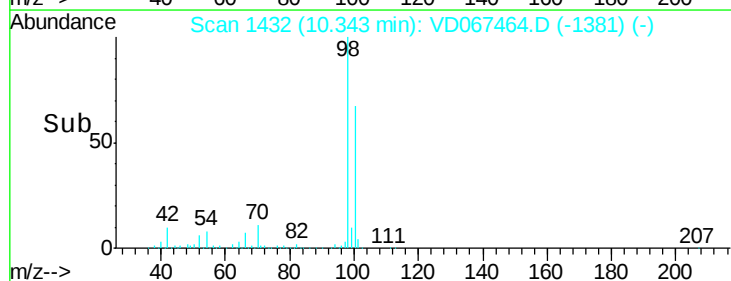
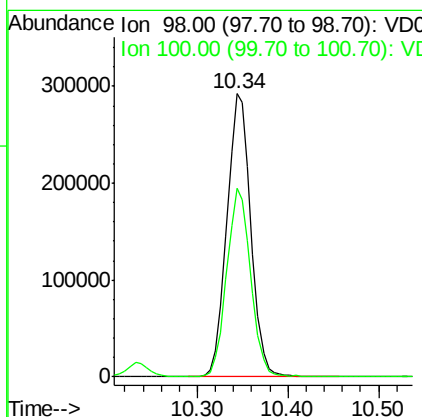
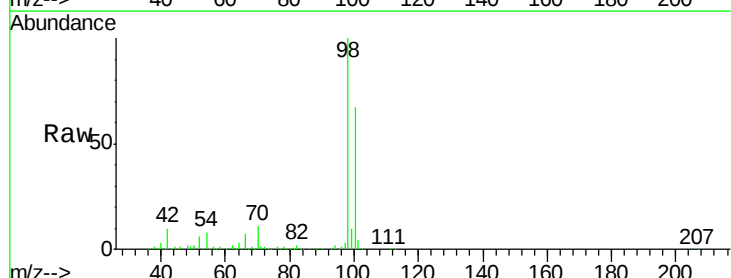
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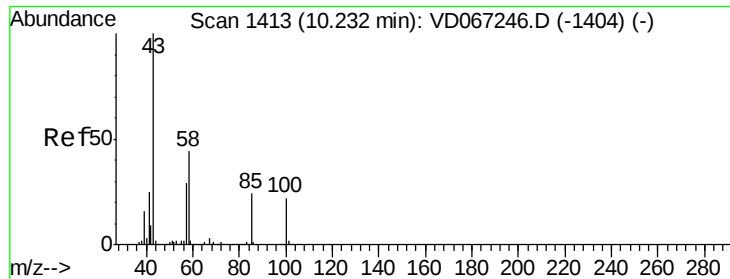
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#50
Toluene-d8
Concen: 49.912 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.1	79.7





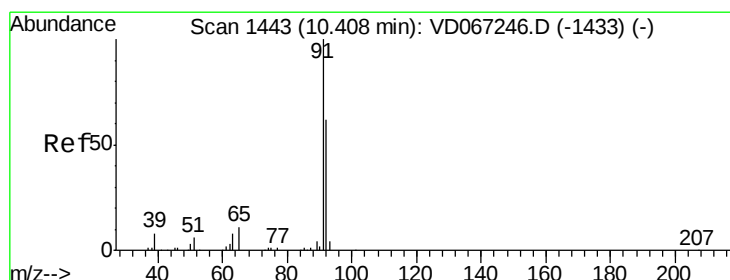
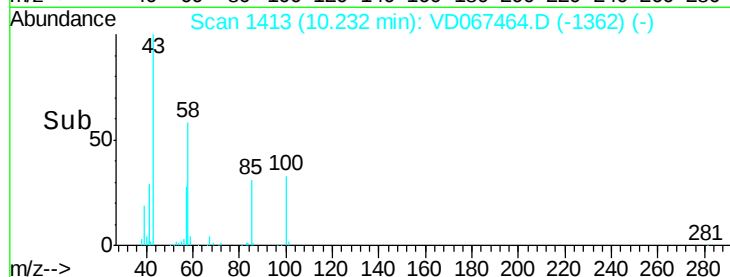
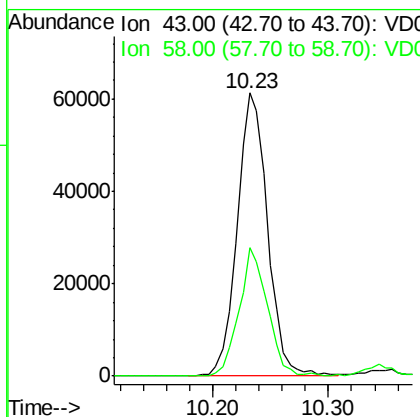
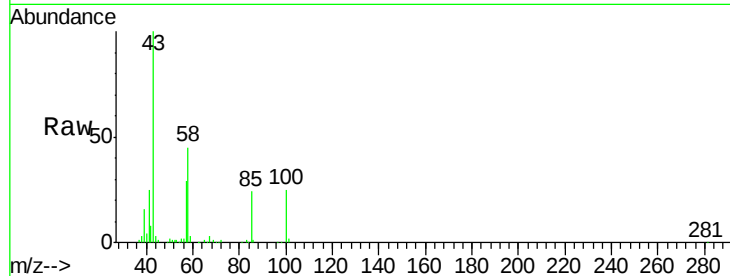
#51
4-Methyl-2-Pentanone
Concen: 100.864 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS001

Tot Ion: 43 Resp: 111215
Ion Ratio Lower Upper
43 100
58 42.7 35.7 53.5

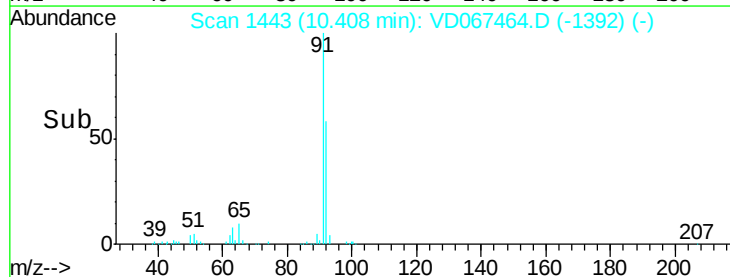
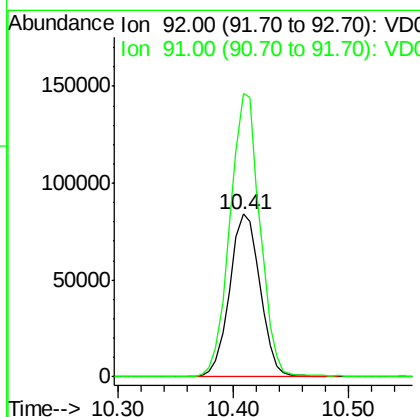
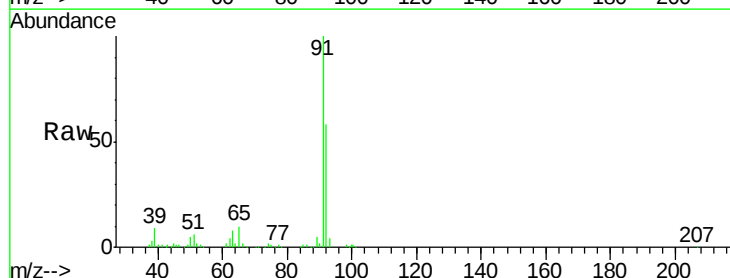
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#52
Toluene
Concen: 21.791 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 92 Resp: 154181
Ion Ratio Lower Upper
92 100
91 171.5 133.8 200.8





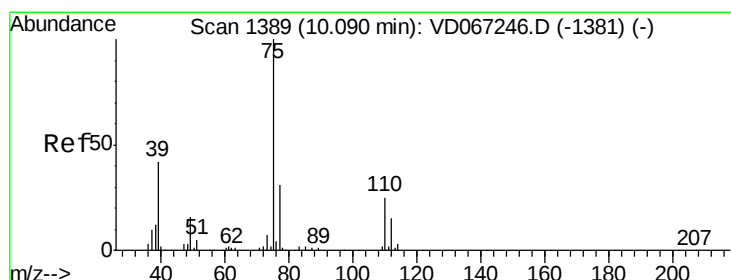
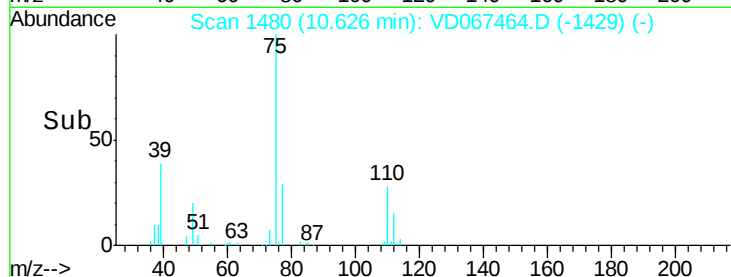
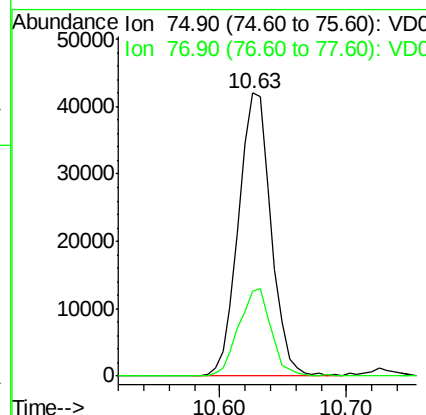
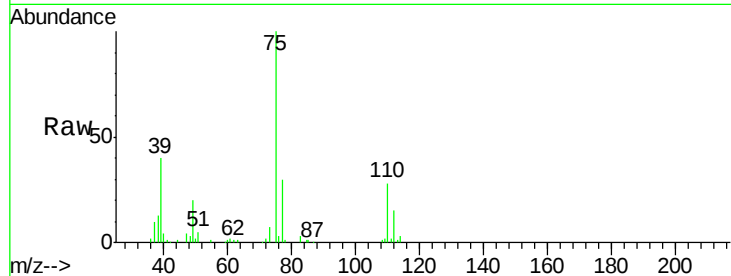
#53
t-1,3-Dichloropropene
Concen: 21.147 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion: 75 Resp: 74659
Ion Ratio Lower Upper
75 100
77 30.0 26.5 39.7

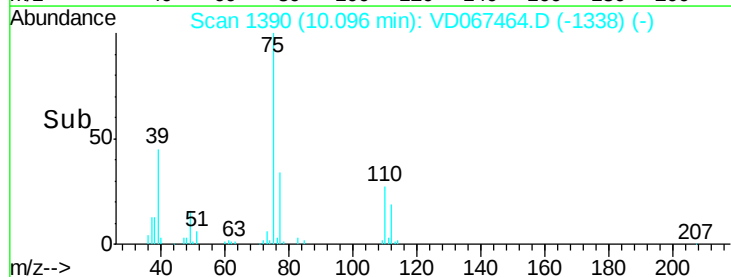
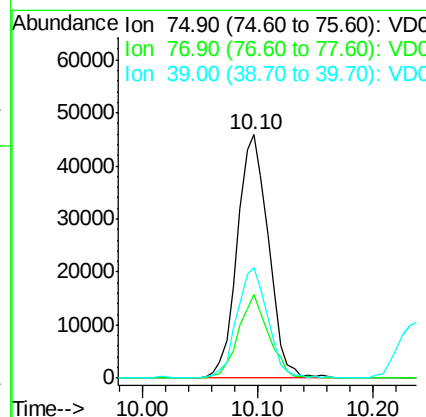
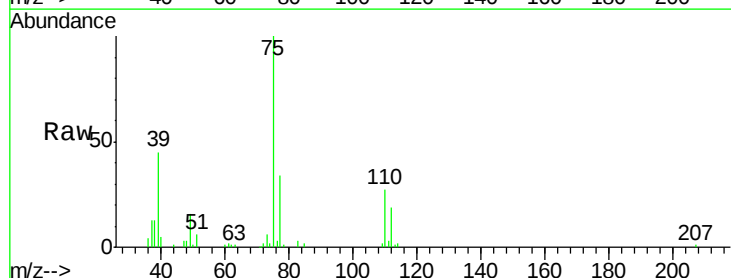
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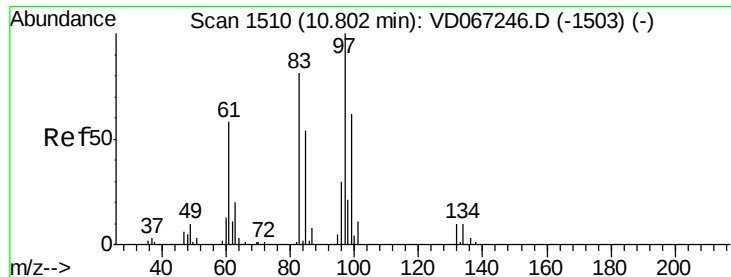
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#54
cis-1,3-Dichloropropene
Concen: 20.755 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 75 Resp: 85753
Ion Ratio Lower Upper
75 100
77 34.1 24.5 36.7
39 45.2 33.7 50.5





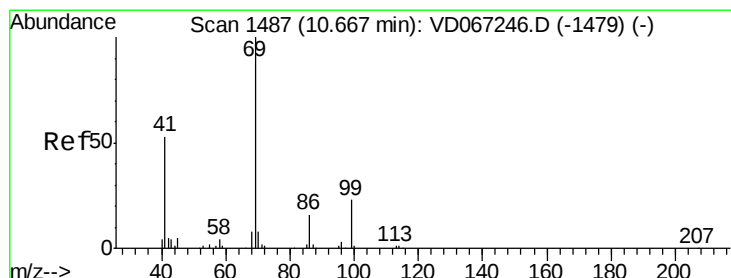
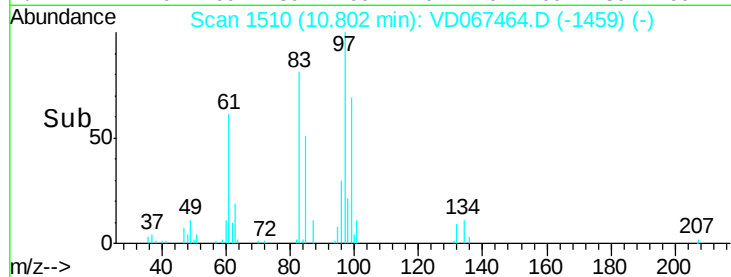
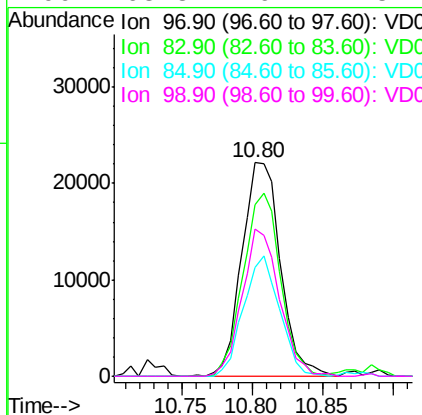
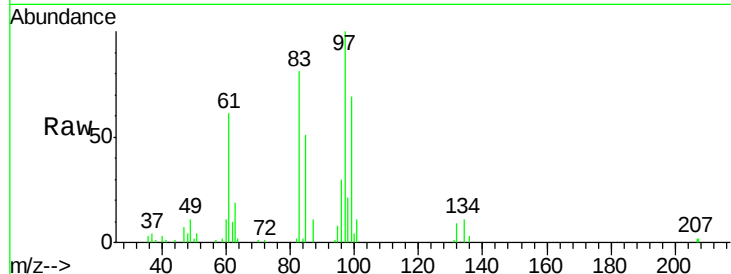
#55
 1,1,2-Trichloroethane
 Concen: 20.881 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion:	97	Resp:	42713
Ion	Ratio	Lower	Upper
97	100		
83	80.6	64.9	97.3
85	51.2	43.3	64.9
99	68.8	49.1	73.7

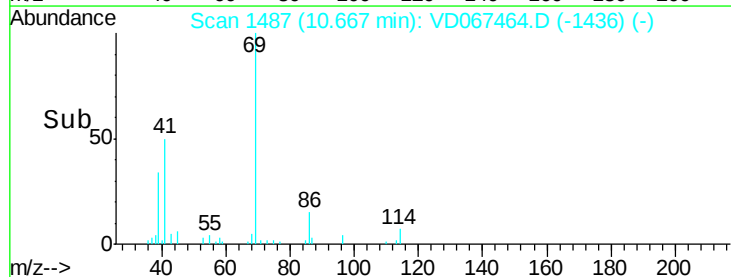
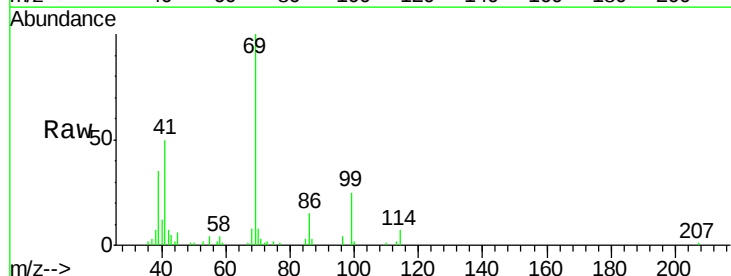
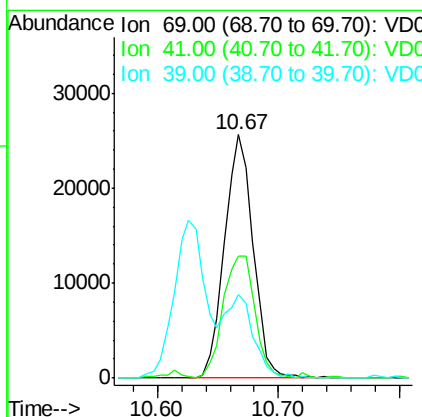
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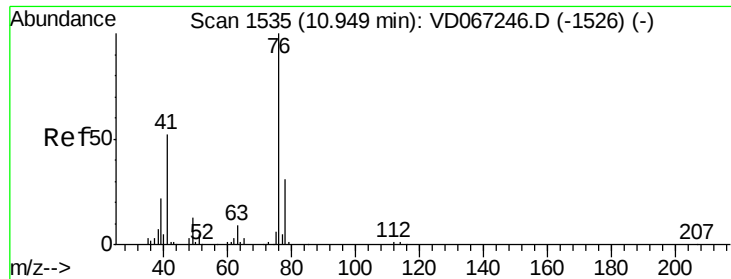
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#56
 Ethyl methacrylate
 Concen: 19.860 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion:	69	Resp:	42132
Ion	Ratio	Lower	Upper
69	100		
41	56.3	44.7	67.1
39	34.3	26.2	39.2





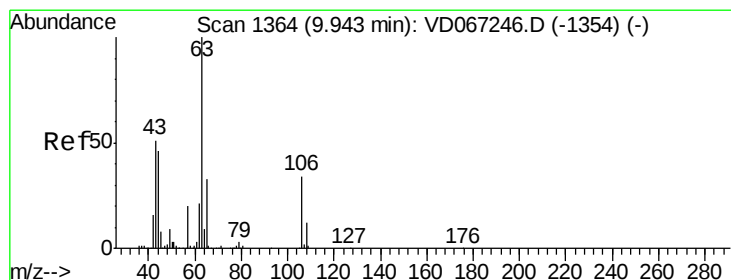
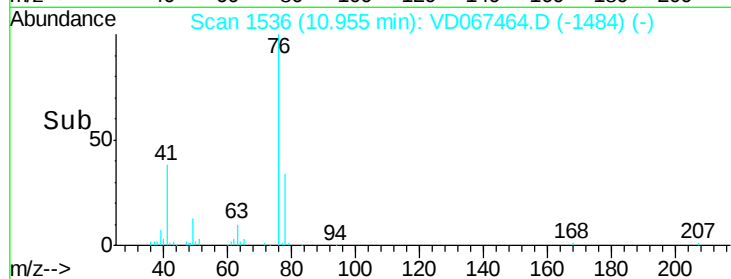
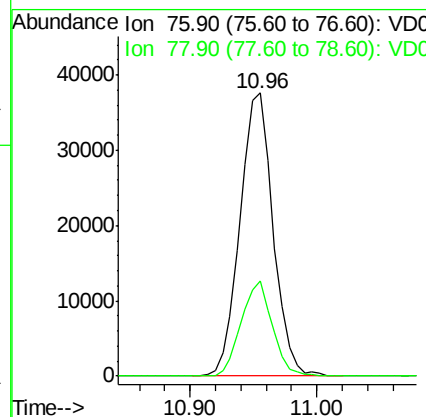
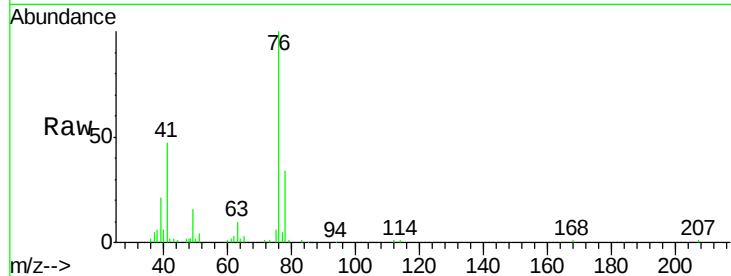
#57
 1,3-Dichloropropane
 Concen: 20.912 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion: 76 Resp: 68075
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.8 40.2

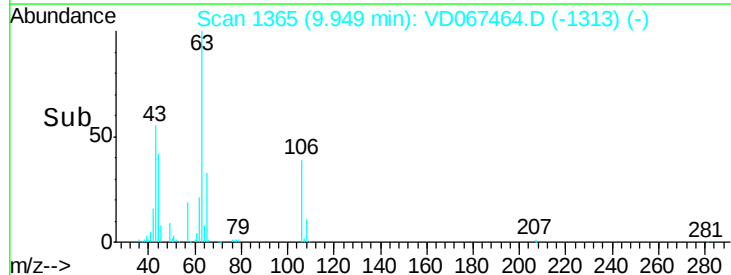
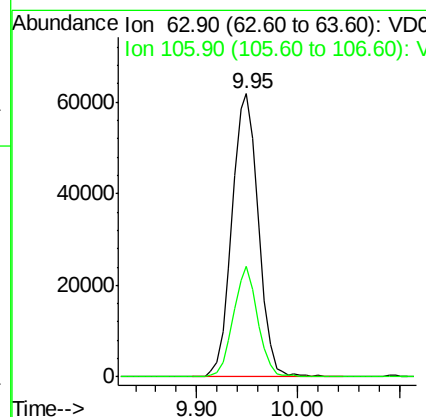
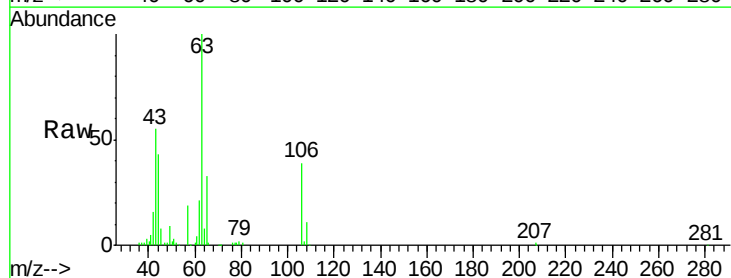
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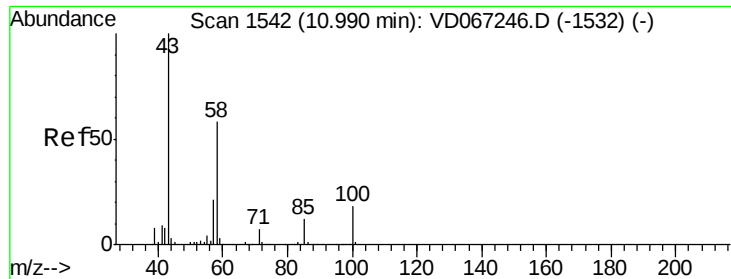
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 11/2/2020 4:09:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.618 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion: 63 Resp: 111678
 Ion Ratio Lower Upper
 63 100
 106 35.8 27.8 41.6





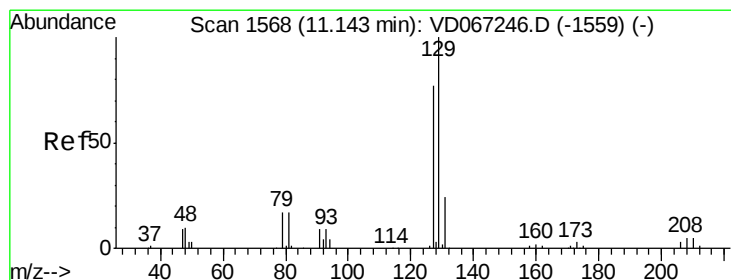
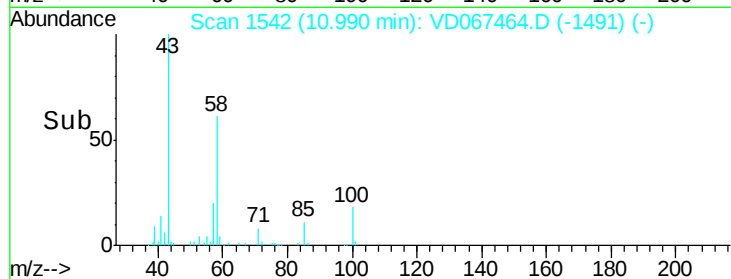
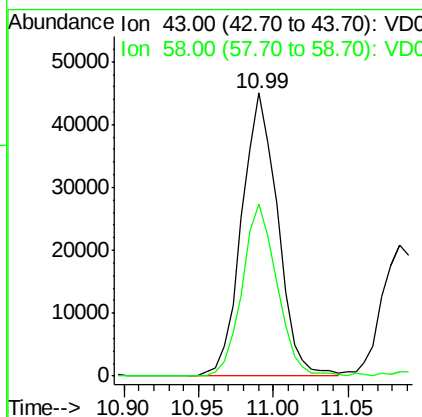
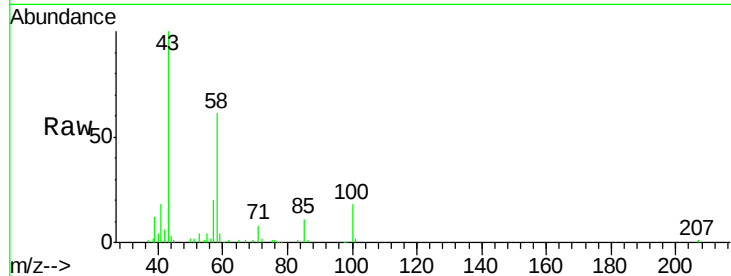
#59
2-Hexanone
Concen: 99.832 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion: 43 Resp: 75219
Ion Ratio Lower Upper
43 100
58 58.7 29.3 87.9

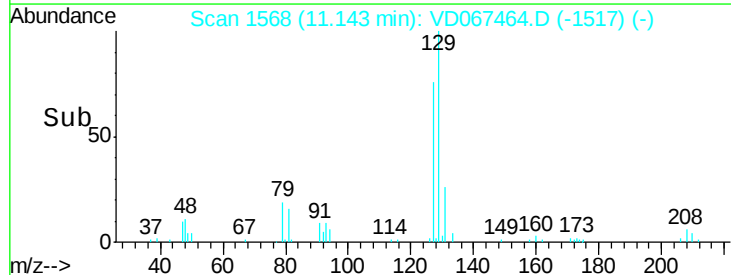
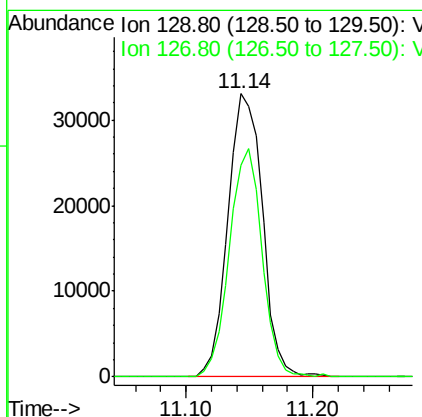
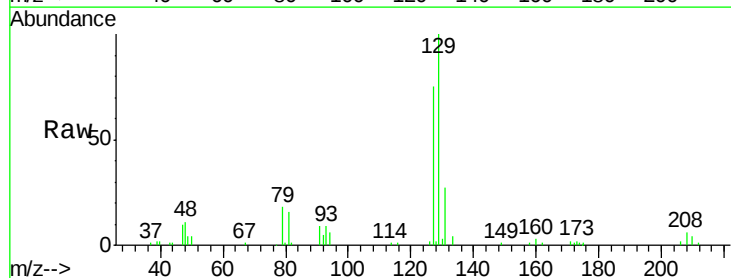
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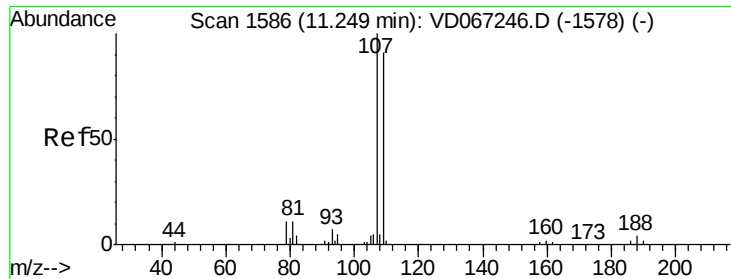
MMDadoda
11/2/2020 4:09:32 PM



#60
Dibromochloromethane
Concen: 20.899 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 129 Resp: 62344
Ion Ratio Lower Upper
129 100
127 75.9 38.3 114.8





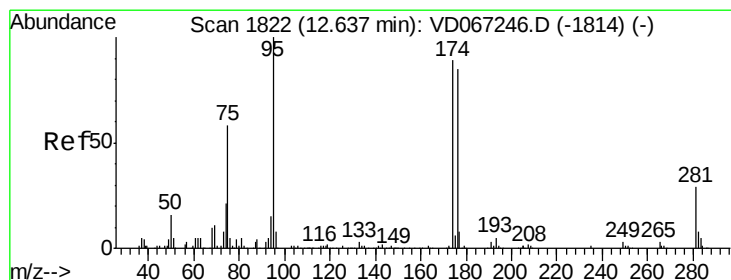
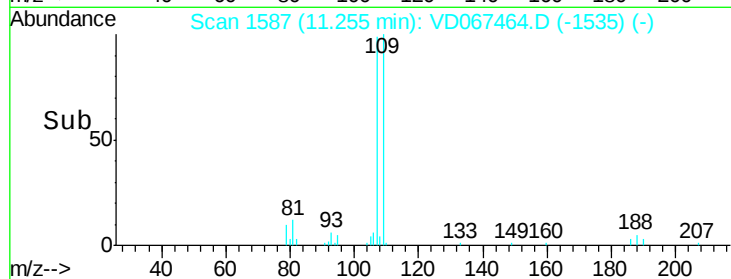
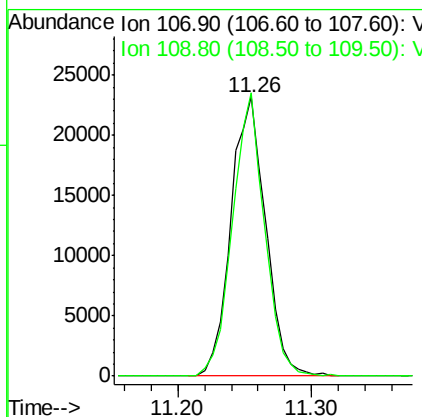
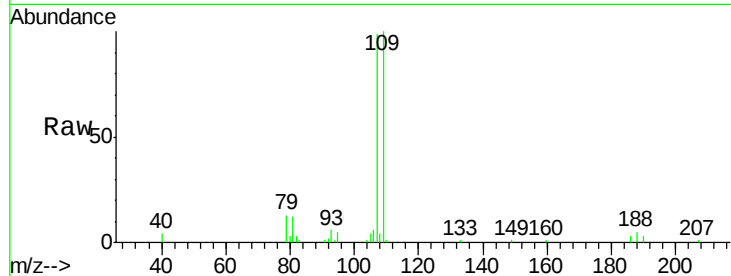
#61
 1,2-Dibromoethane
 Concen: 20.726 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion: 107 Resp: 41795
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.6 112.0

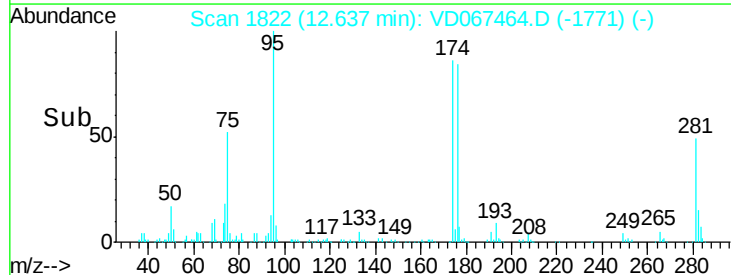
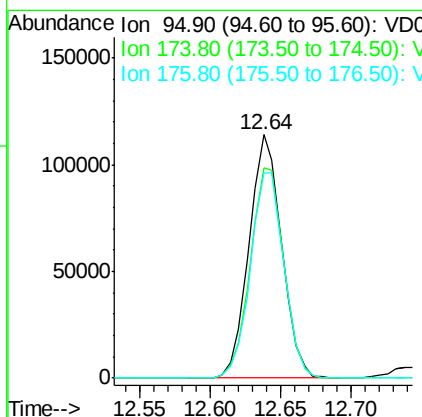
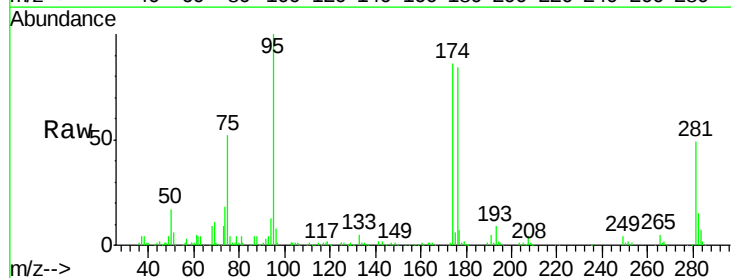
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 11/2/2020 4:09:32 PM



#62
 4-Bromofluorobenzene
 Concen: 49.673 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion: 95 Resp: 185853
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 175.2
 176 86.5 0.0 168.6





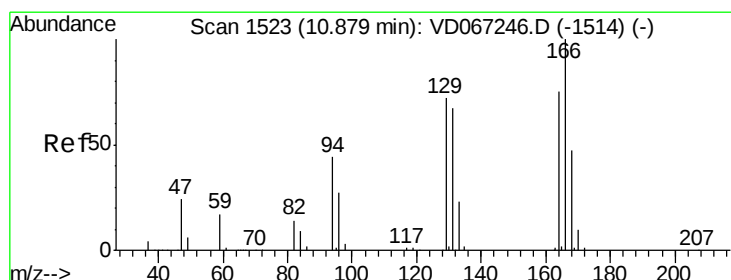
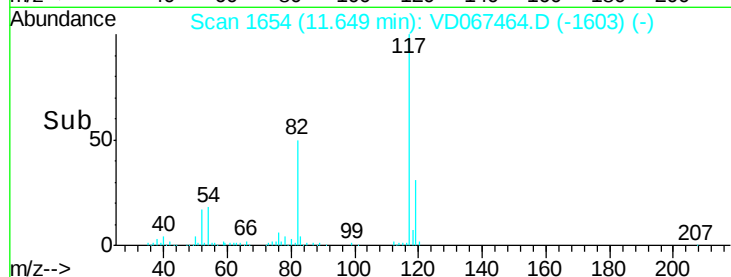
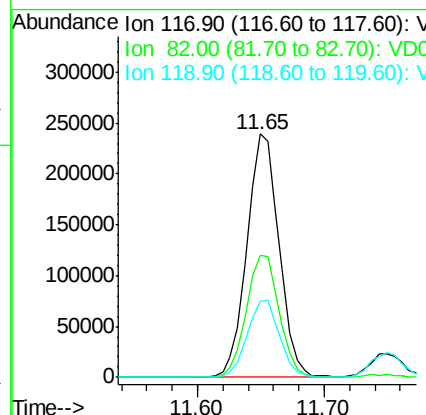
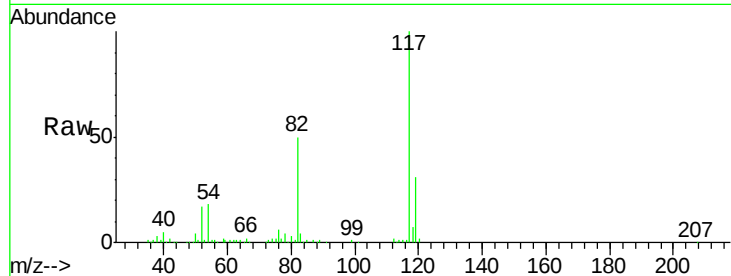
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.1	39.9	59.9
119	31.4	24.9	37.3

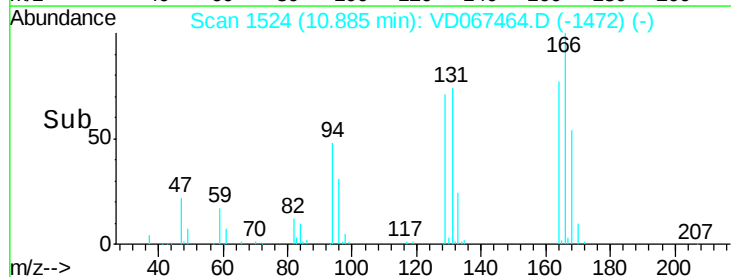
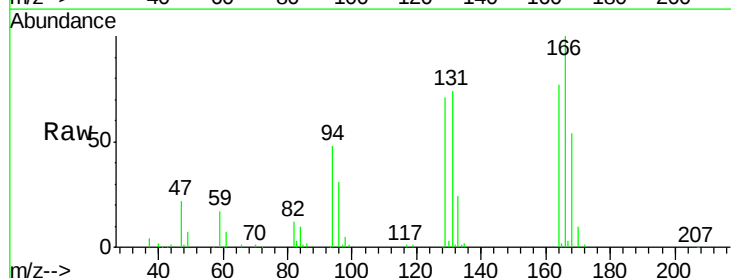
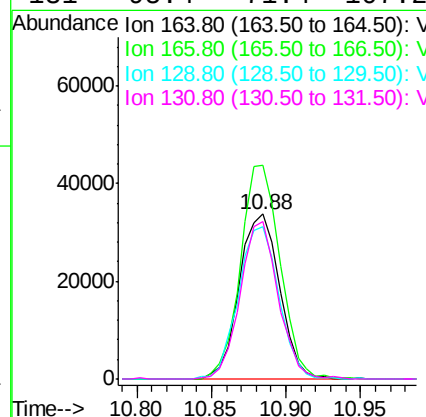
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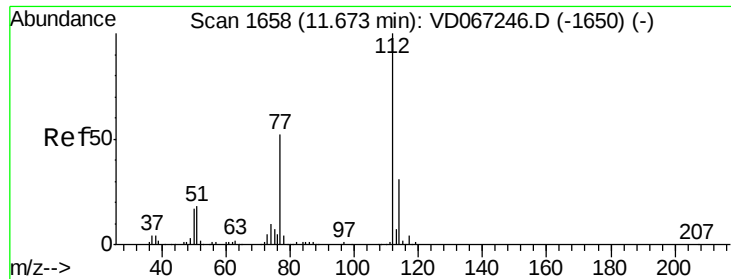
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#64
Tetrachloroethene
Concen: 20.861 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	107.3	160.9
129	92.4	77.3	115.9
131	95.4	71.4	107.2





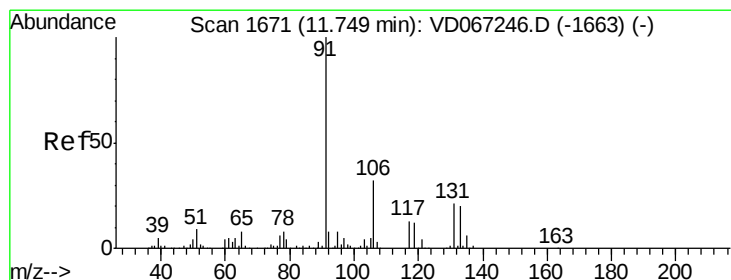
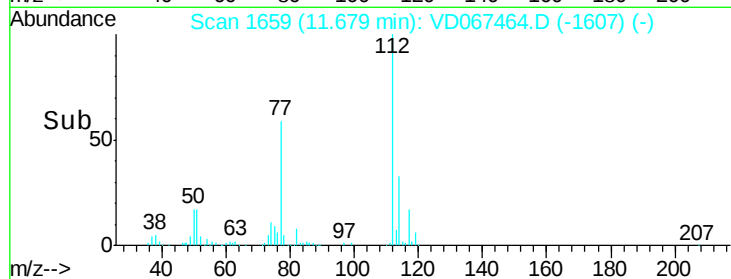
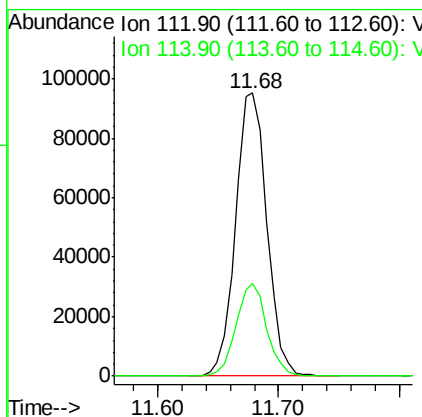
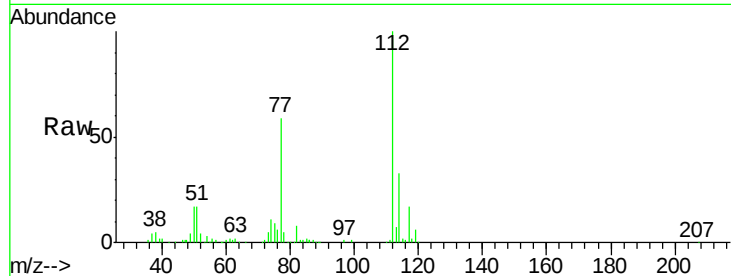
#65
Chlorobenzene
Concen: 21.329 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.0	37.4

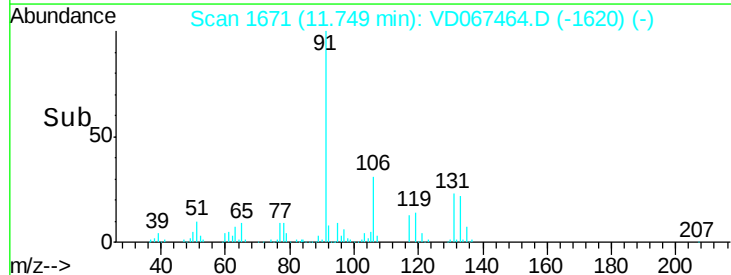
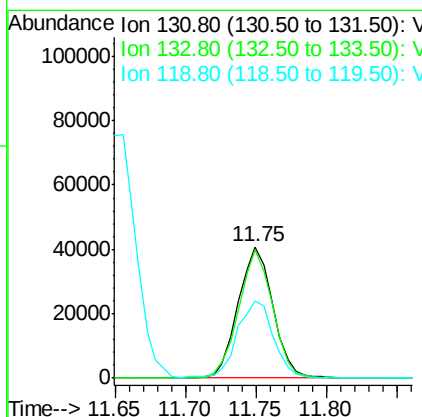
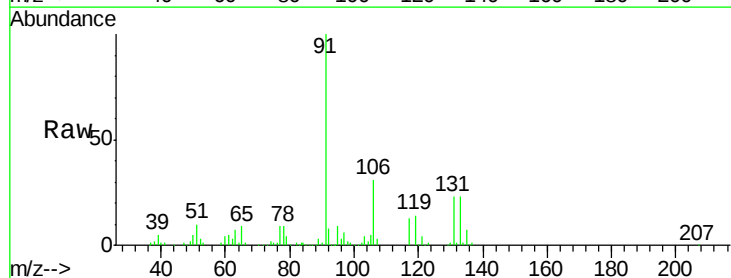
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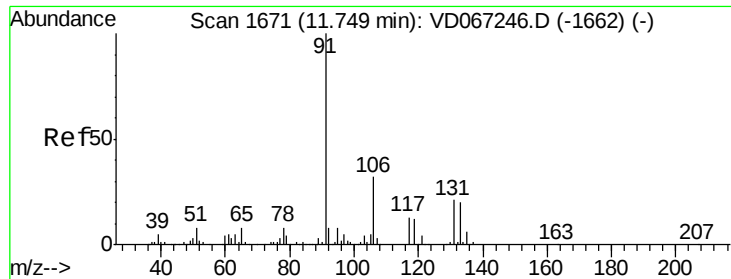
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.891 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.1	144.3
119	61.2	30.0	90.0





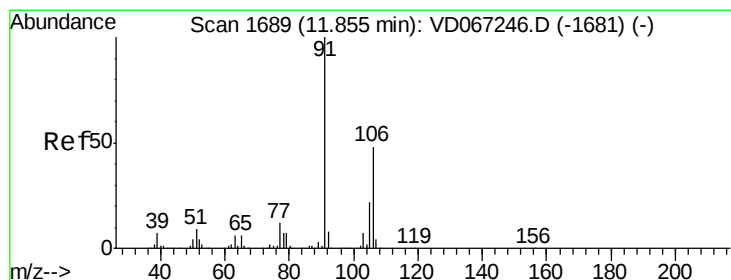
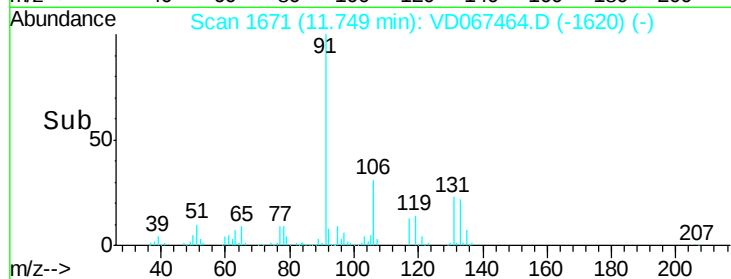
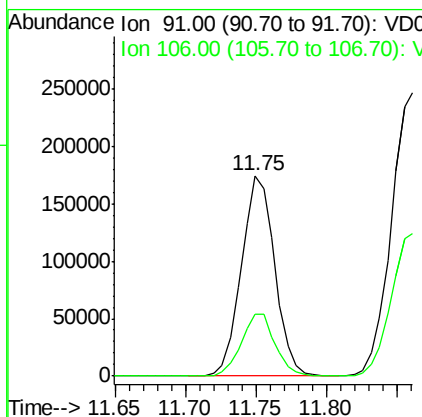
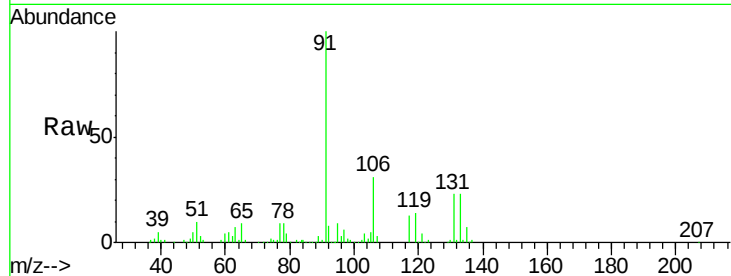
#67
Ethyl Benzene
Concen: 20.871 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion: 91 Resp: 288663
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.0

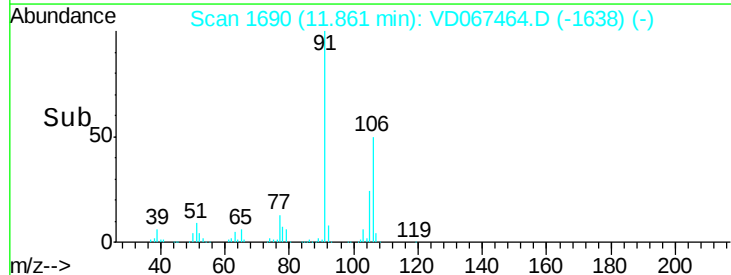
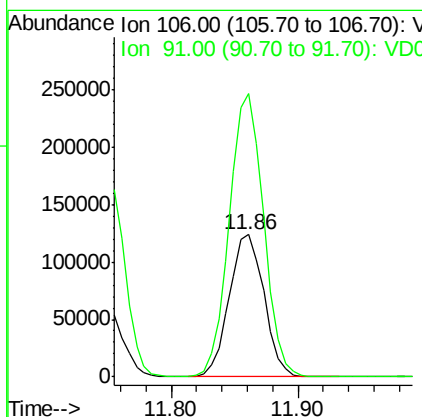
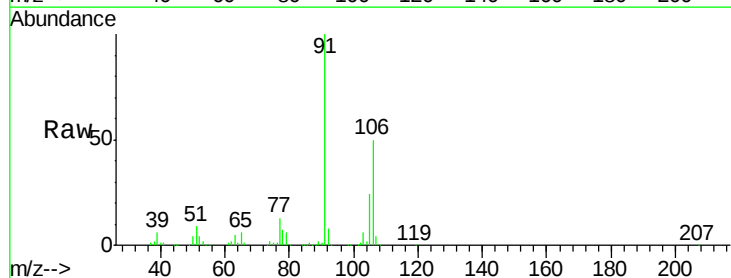
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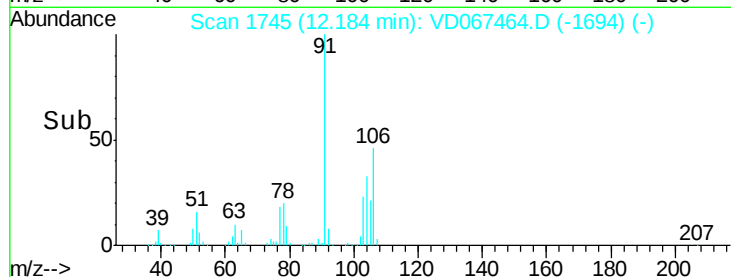
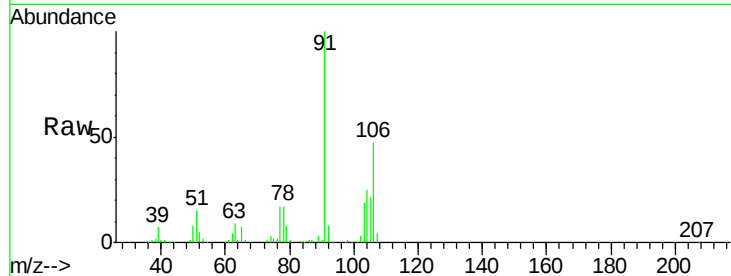
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#68
m/p-Xylenes
Concen: 44.138 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion: 106 Resp: 235083
Ion Ratio Lower Upper
106 100
91 196.4 163.8 245.8





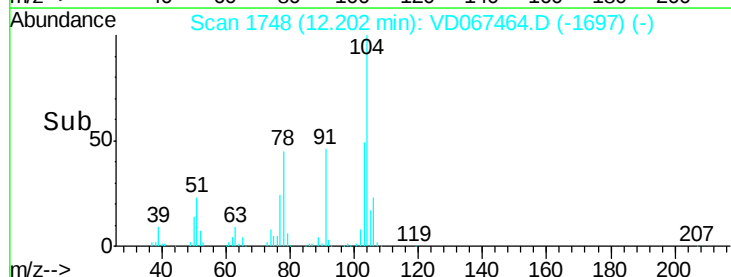
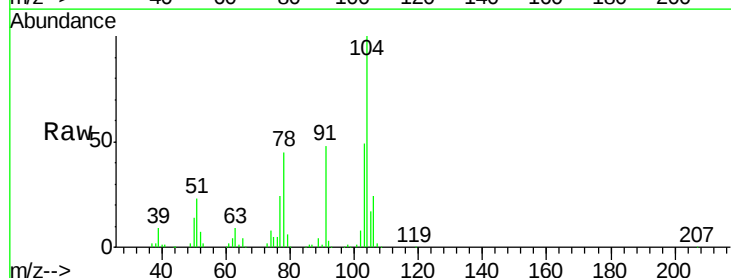
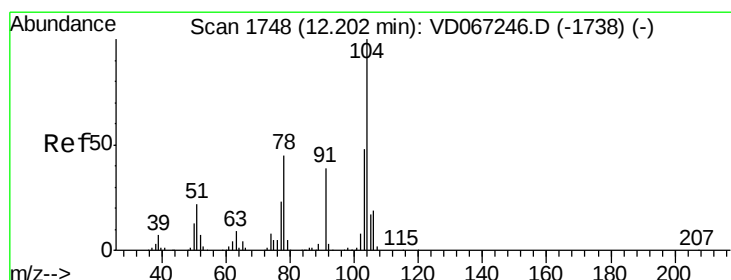
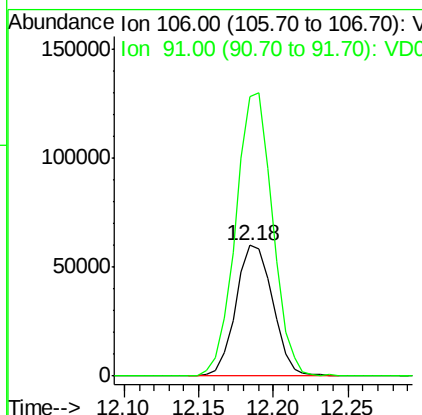
#69
o-Xylene
Concen: 20.925 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tot Ion	Ratio	Resp	Lower	Upper
106	100	103204		
91	216.9	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

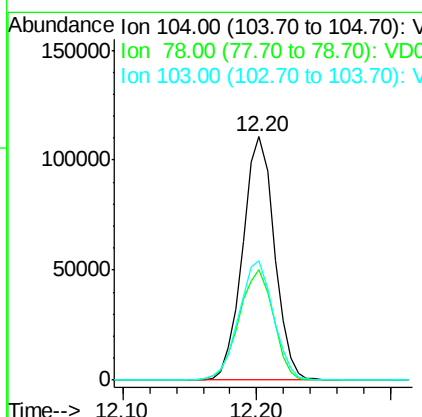
Manual Integrations
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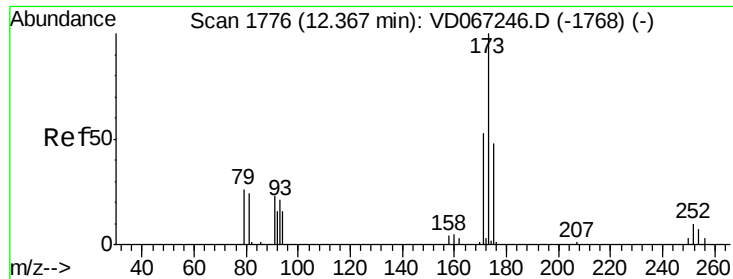
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#70
Styrene
Concen: 21.438 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	182009		
78	49.5	39.8	59.6	
103	53.6	42.6	64.0	





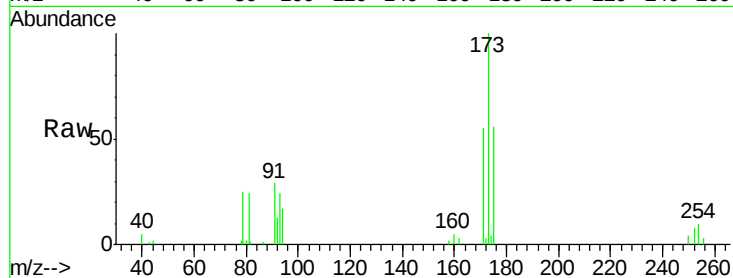
#71
Bromoform
Concen: 20.322 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

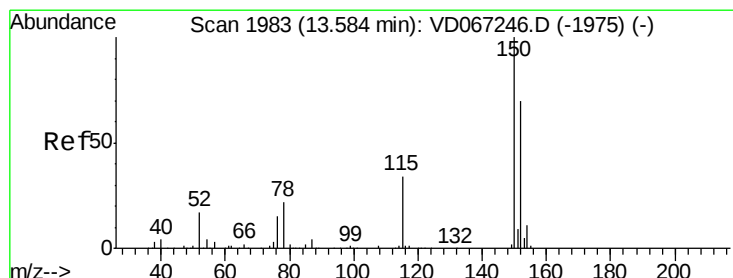
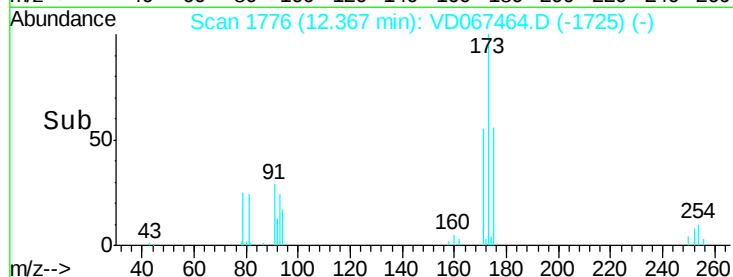
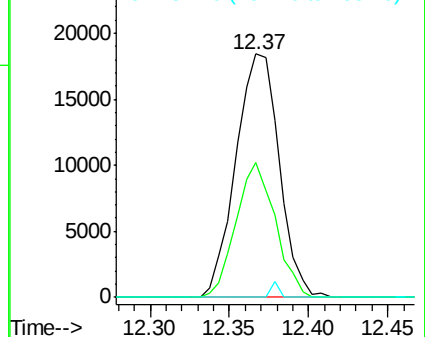
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.2	72.6
254	1.2	0.1	0.1#

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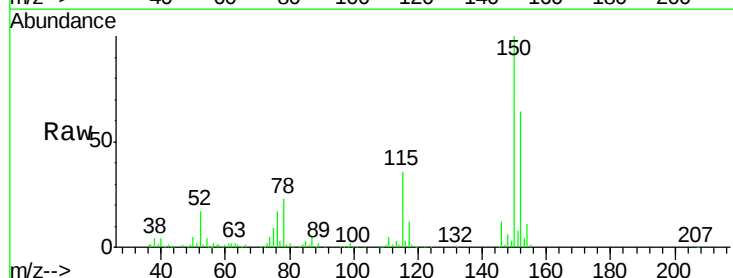


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

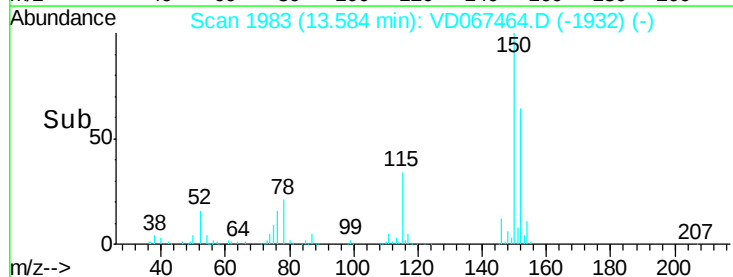
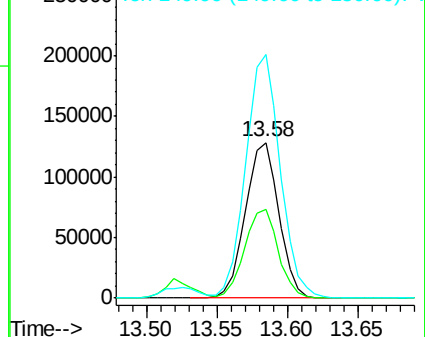


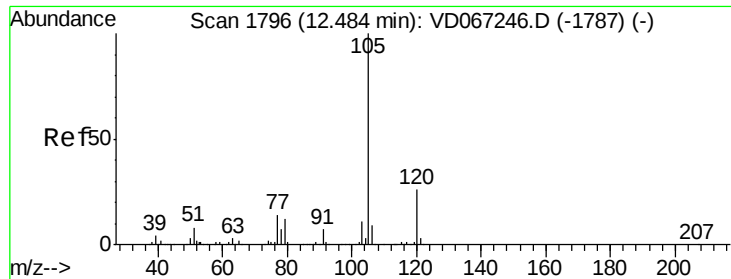
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	29.3	87.9
150	162.2	0.0	339.0



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





#73

Isopropylbenzene

Concen: 21.719 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 105 Resp: 293485

Ion Ratio Lower Upper

105 100

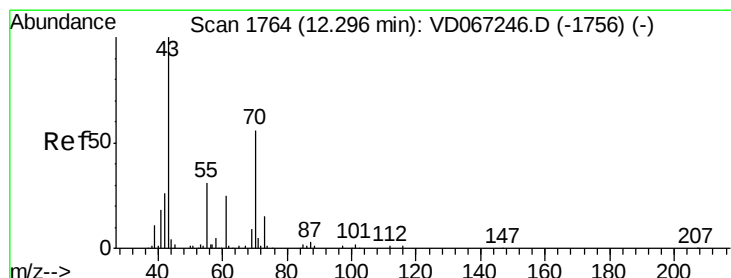
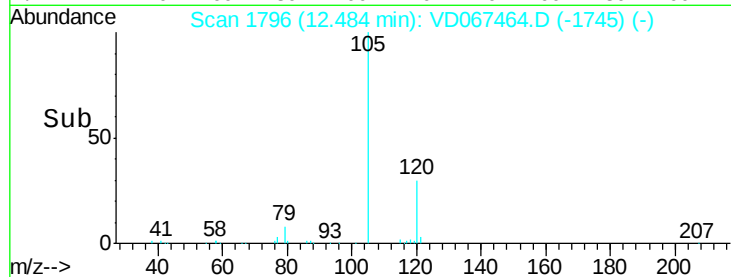
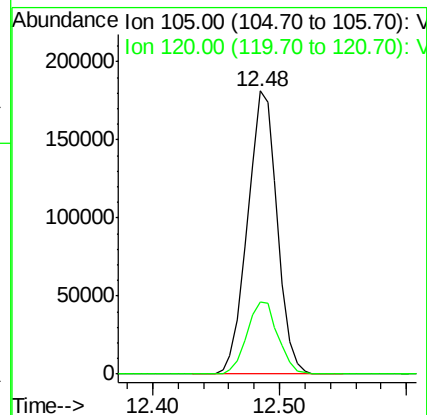
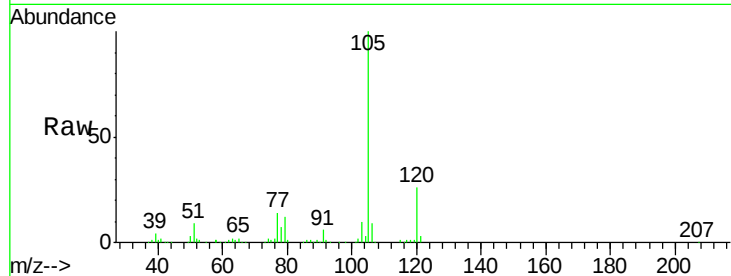
120 26.8 13.3 39.8

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#74

N-ethyl acetate

Concen: 19.892 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Tgt Ion: 43 Resp: 40597

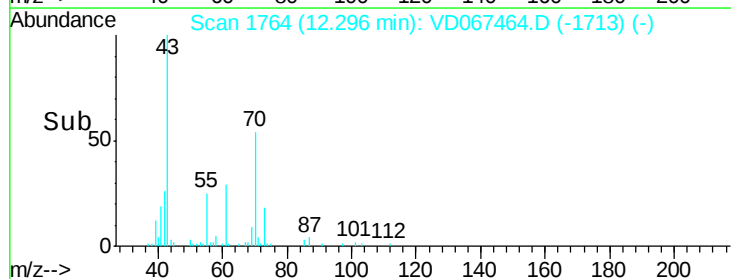
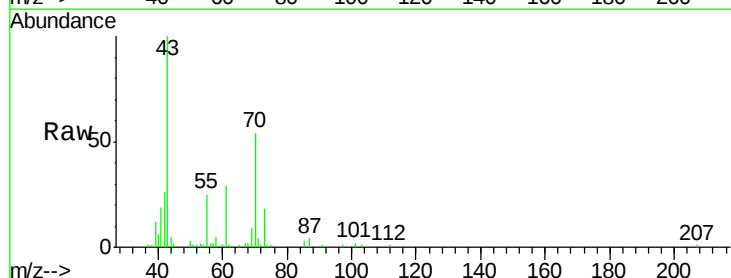
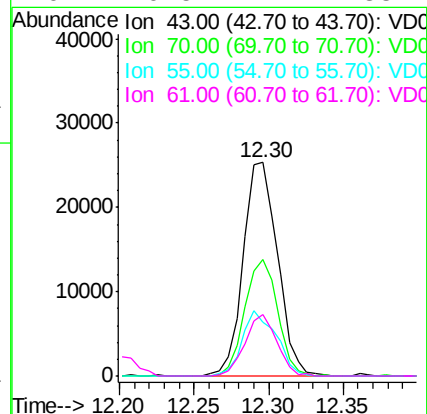
Ion Ratio Lower Upper

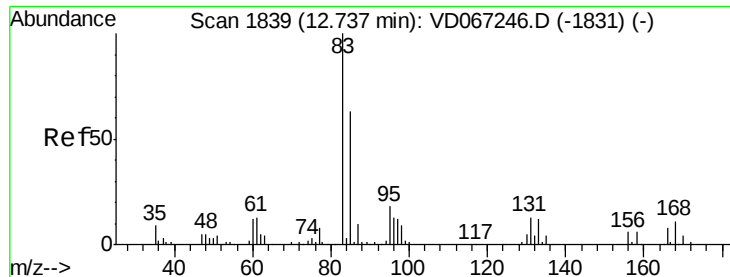
43 100

70 51.9 42.7 64.1

55 30.2 24.0 36.0

61 26.5 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.593 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

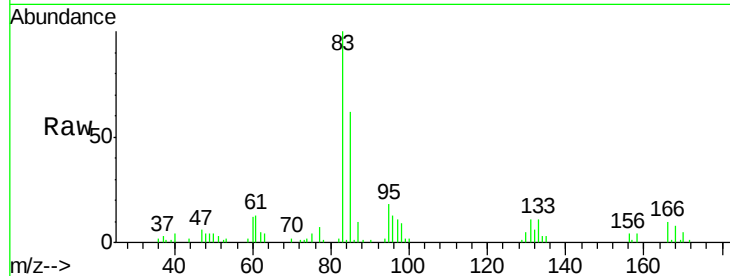
ClientSampleId :

VD1030SBSD01

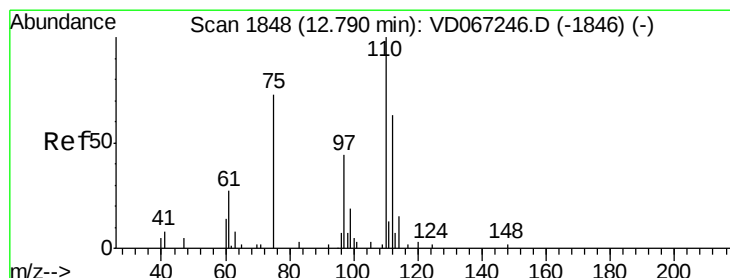
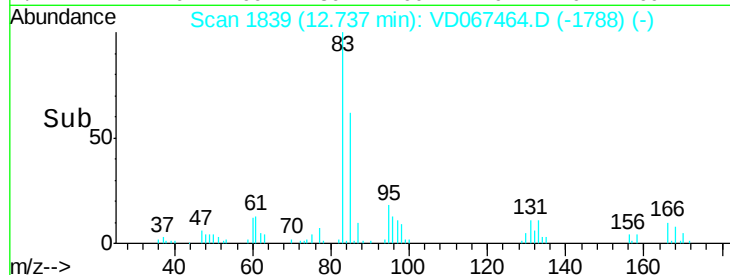
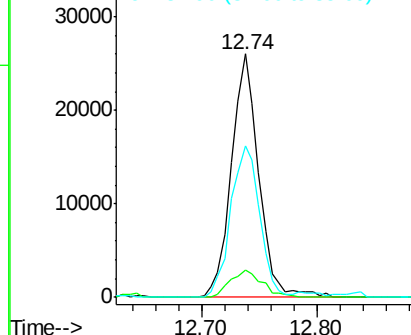
Tot Ion:	83	Resp:	42637
Ion Ratio	Lower	Upper	
83	100		
131	13.2	6.5	19.5
85	65.9	32.6	97.7

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



#76

1,2,3-Trichloropropane

Concen: 18.584 ug/l m

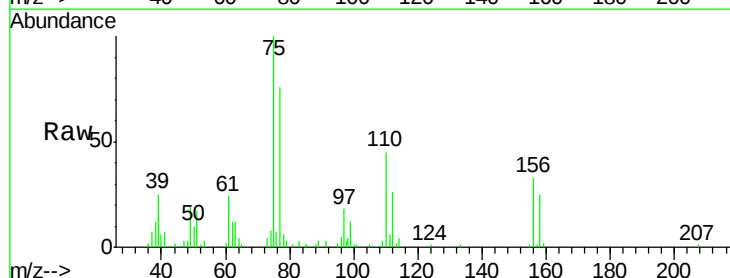
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

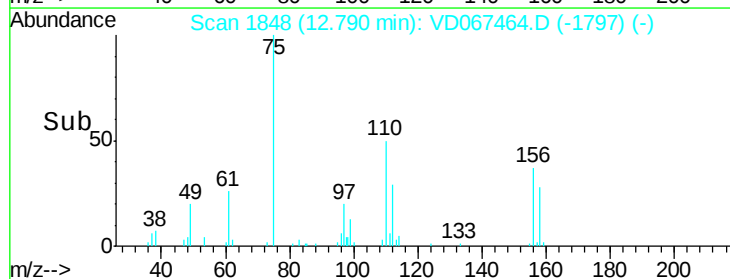
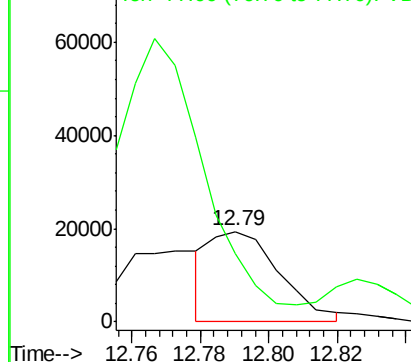
Lab File: VD067464.D

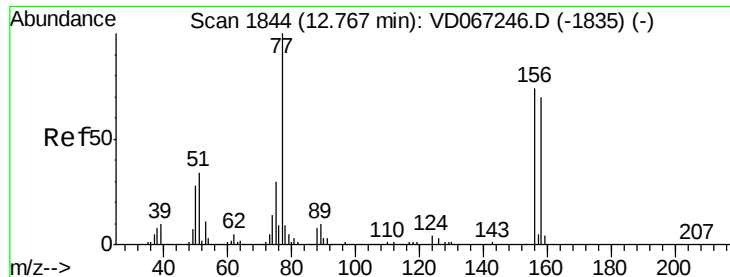
Acq: 30 Oct 2020 11:11

Tgt Ion:	75	Resp:	27424
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 21.607 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

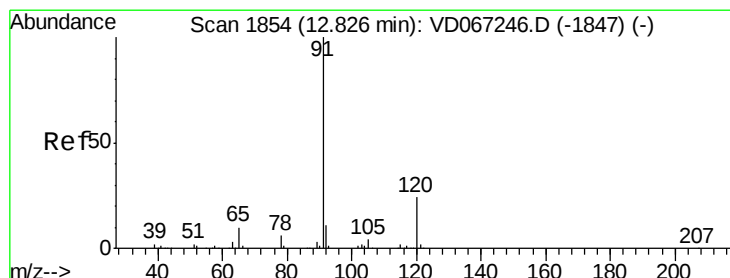
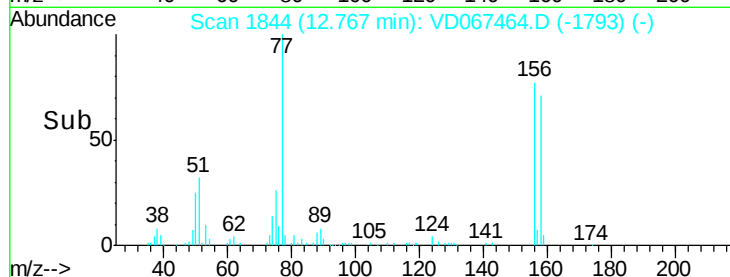
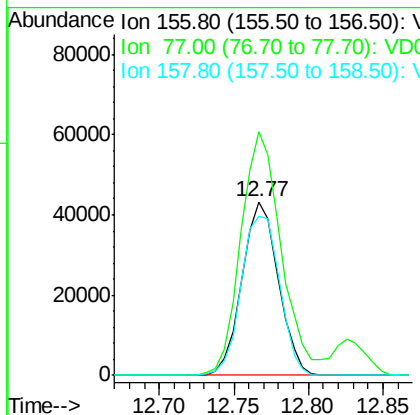
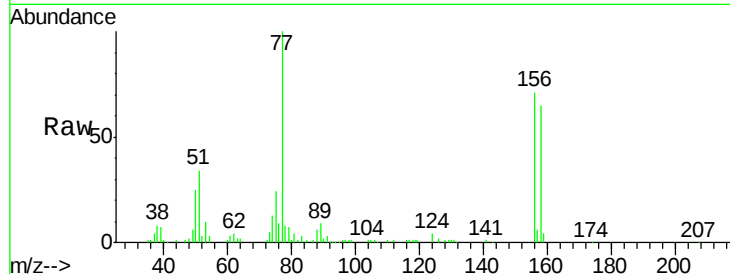
ClientSampleId :

VD1030SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	156.5	78.0	233.8
158	97.5	49.1	147.3

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#78

n-propylbenzene

Concen: 21.976 ug/l

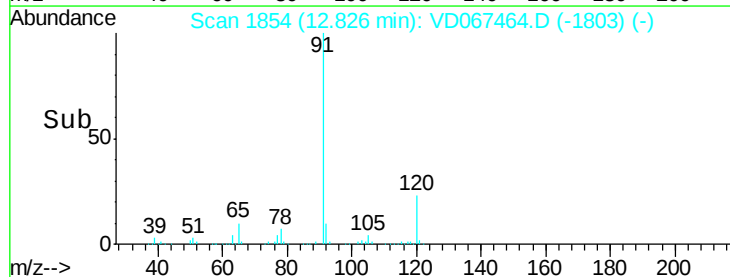
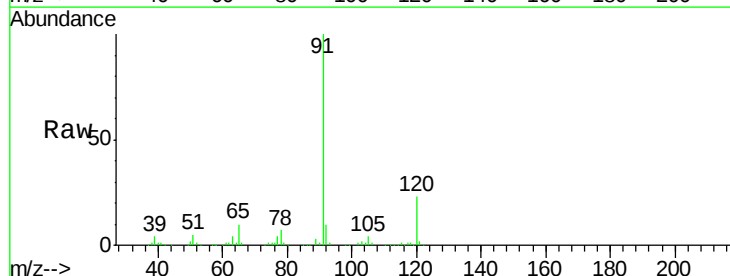
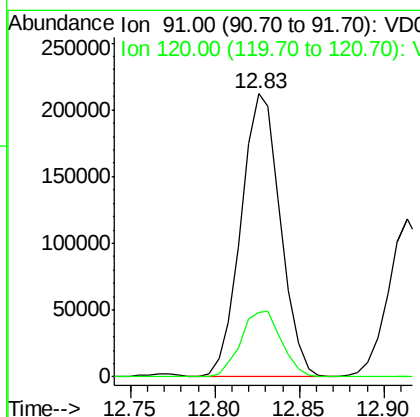
RT: 12.83 min Scan# 1854

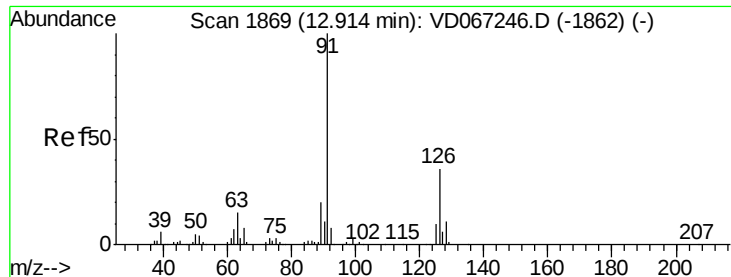
Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.9	35.9





#79

2-Chlorotoluene

Concen: 21.644 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067464.D

Acq: 30 Oct 2020 11:11

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 91 Resp: 196511

Ion Ratio Lower Upper

91 100

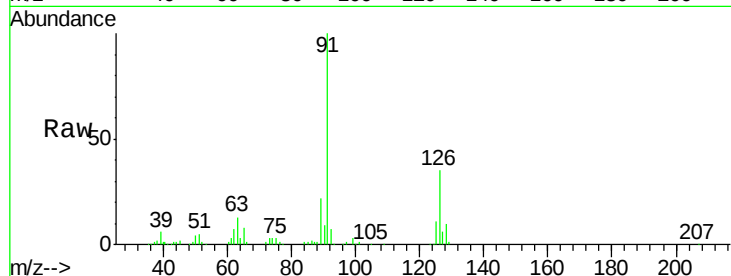
126 36.0 17.6 52.8

Manual Integrations

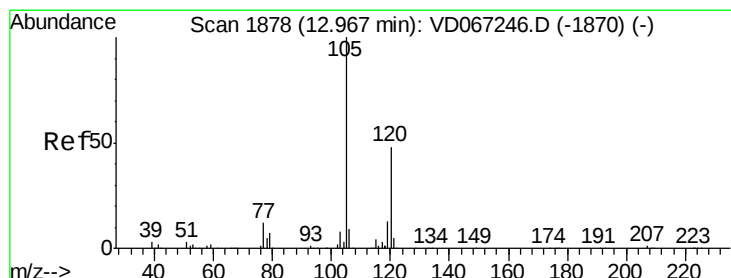
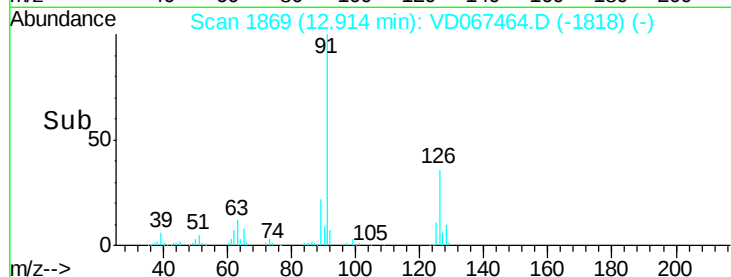
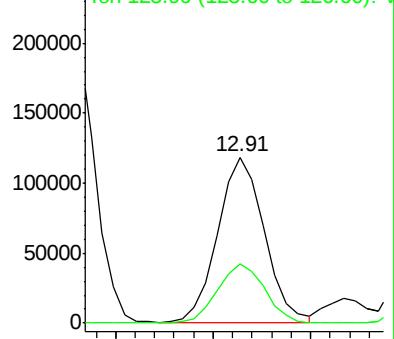
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Abundance Ion 91.00 (90.70 to 91.70): VD067464.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.524 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067464.D

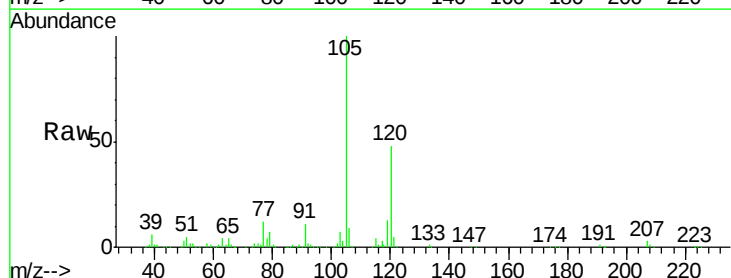
Acq: 30 Oct 2020 11:11

Tgt Ion: 105 Resp: 252746

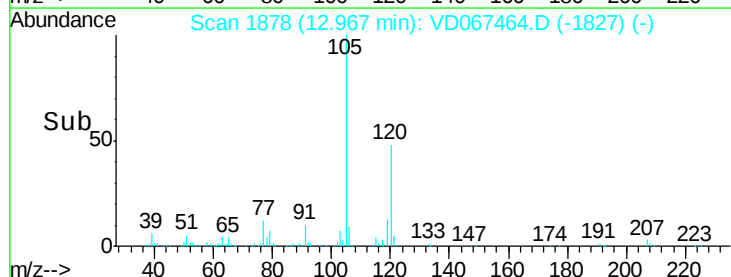
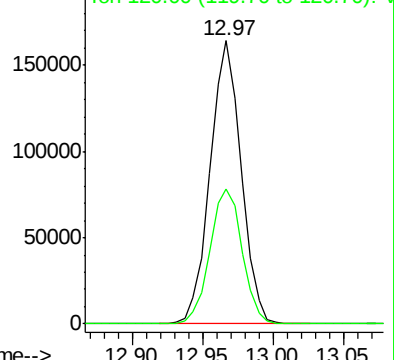
Ion Ratio Lower Upper

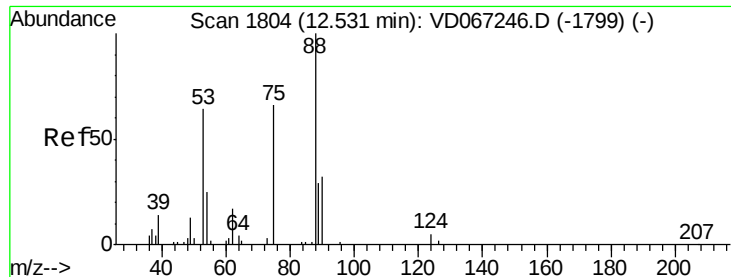
105 100

120 49.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067464.D (-1870) (-)





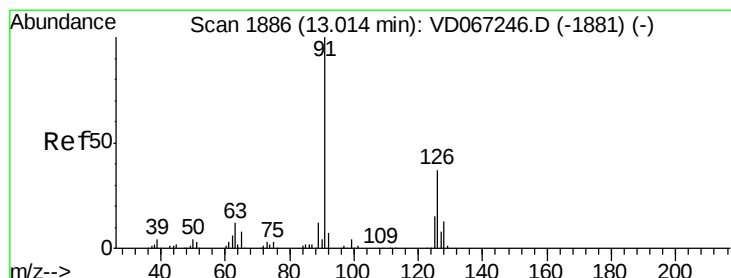
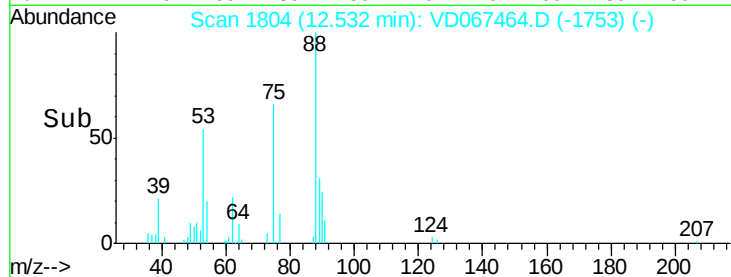
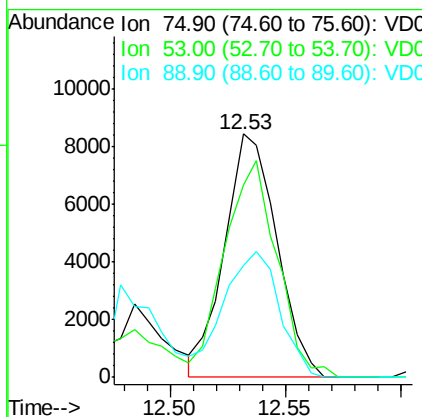
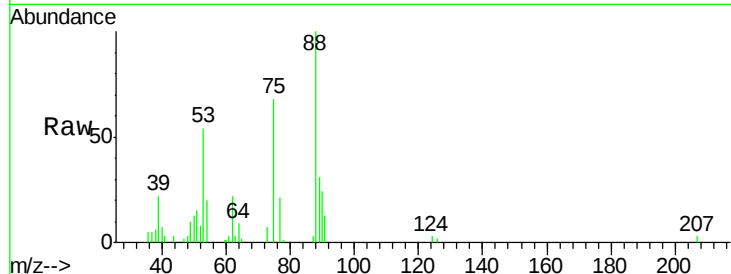
#81
trans-1,4-Dichloro-2-butene
Concen: 20.386 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.6	78.5	117.7
89	55.4	39.9	59.9

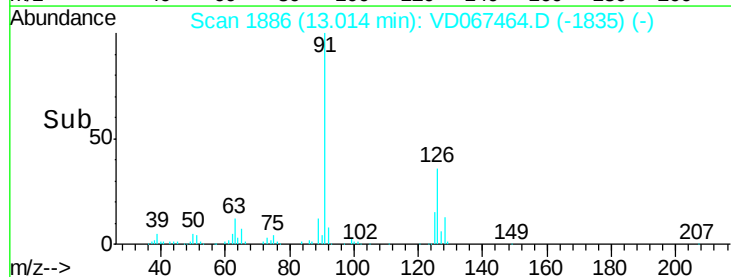
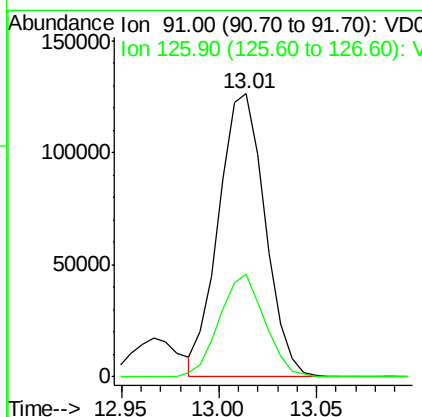
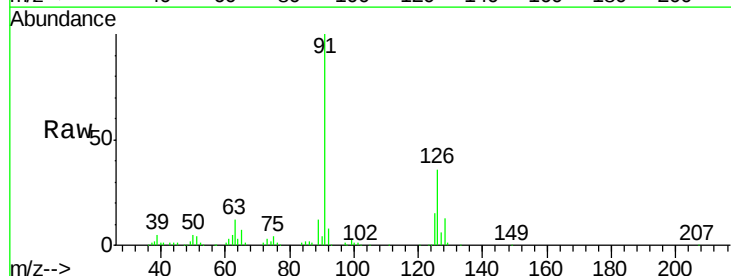
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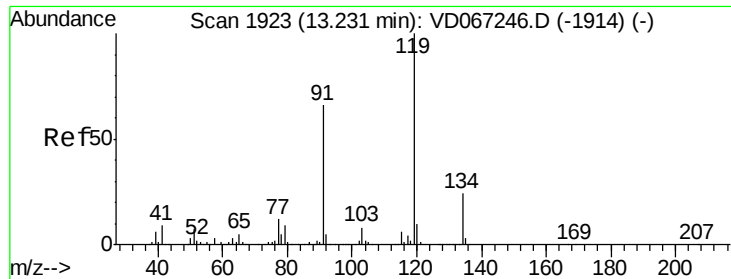
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.645 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.5





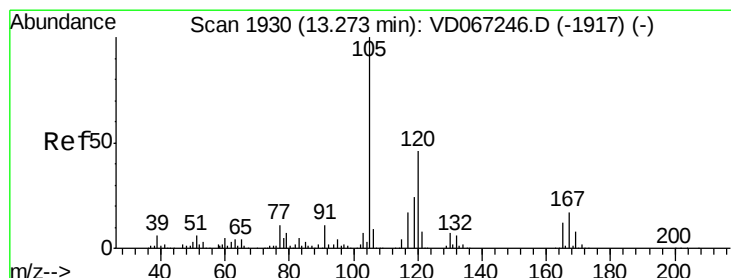
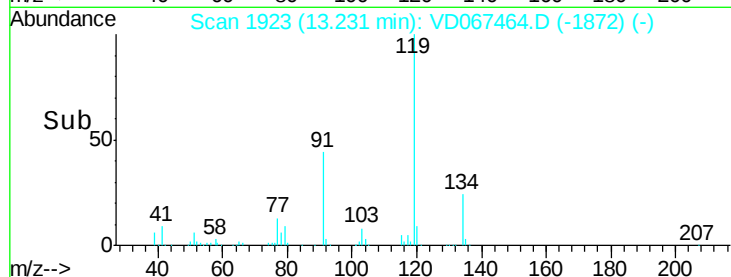
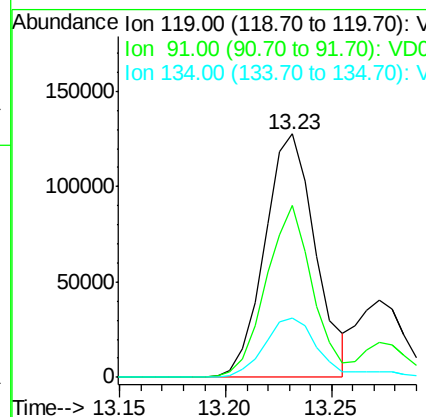
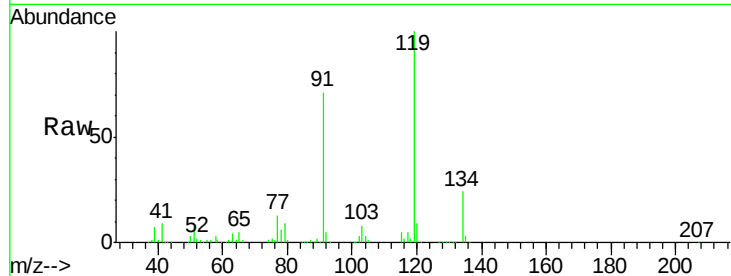
#83
tert-Butylbenzene
Concen: 21.480 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	33.1	99.2
134	26.9	13.3	39.9

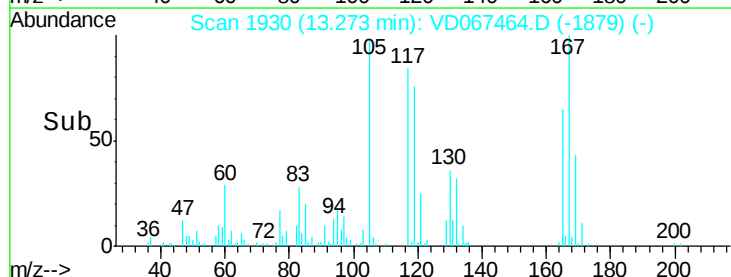
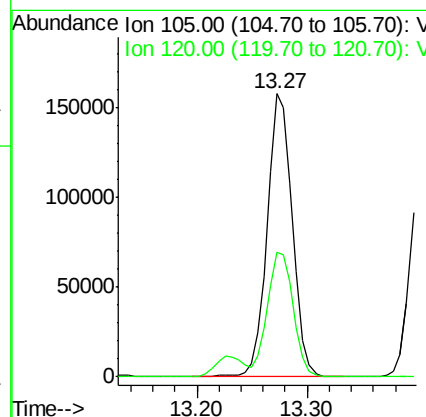
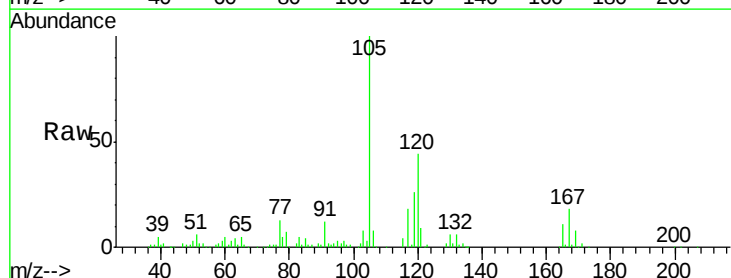
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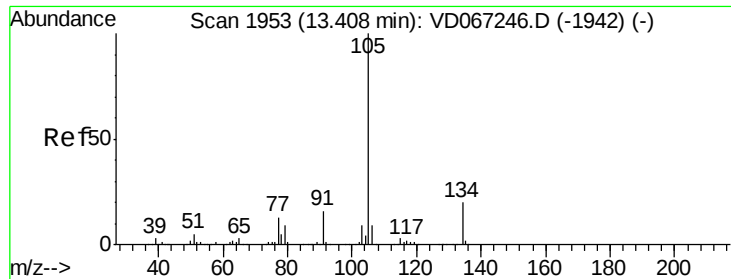
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#84
1,2,4-Trimethylbenzene
Concen: 21.728 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.4	67.3





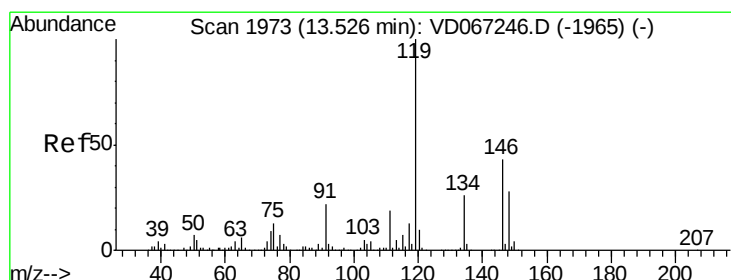
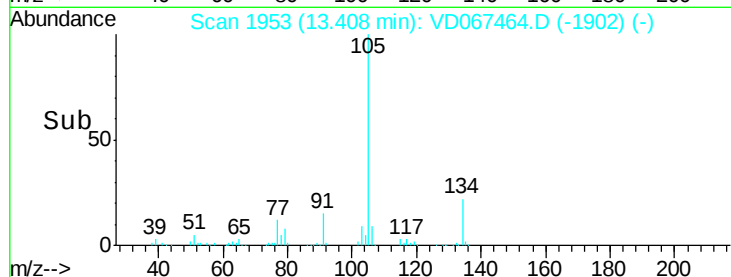
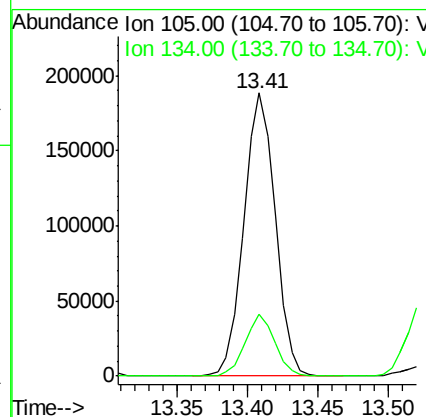
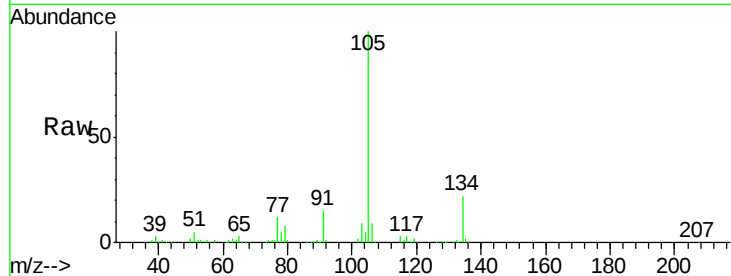
#85
 sec-Butylbenzene
 Concen: 21.554 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	293354		
134	20.9	10.5	31.5	

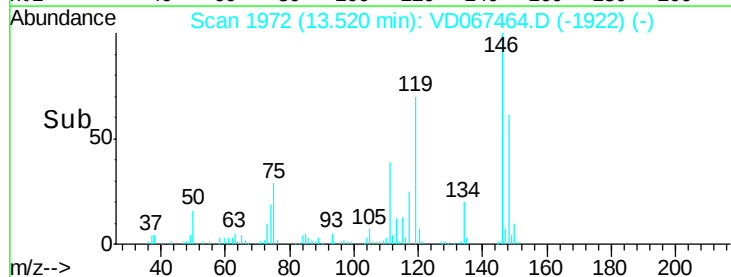
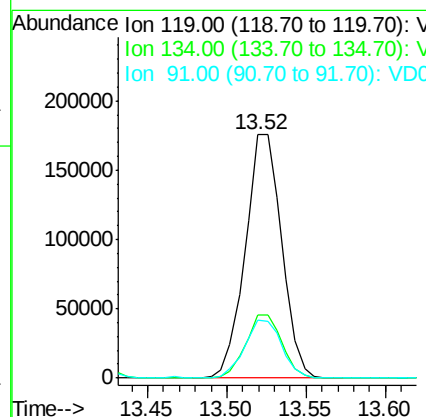
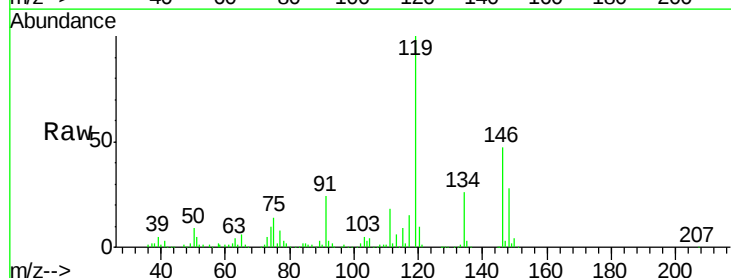
Manual Integrations
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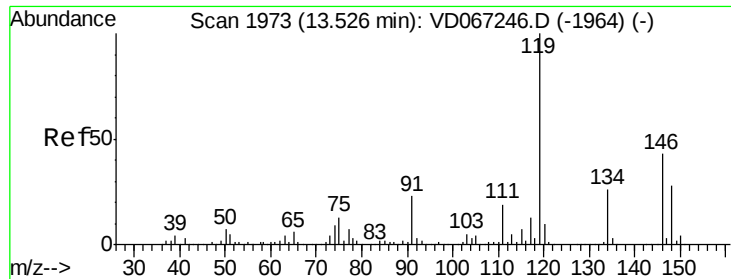
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#86
 p-Isopropyltoluene
 Concen: 21.790 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	279928		
134	26.0	13.1	39.3	
91	24.1	11.9	35.9	





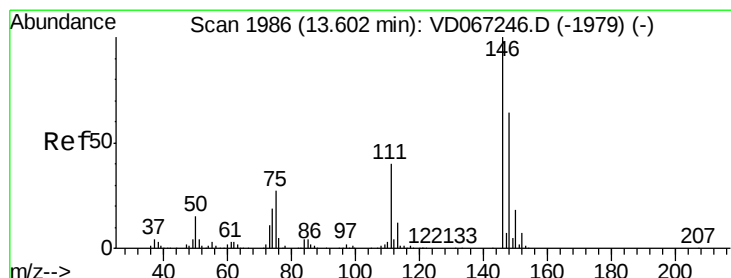
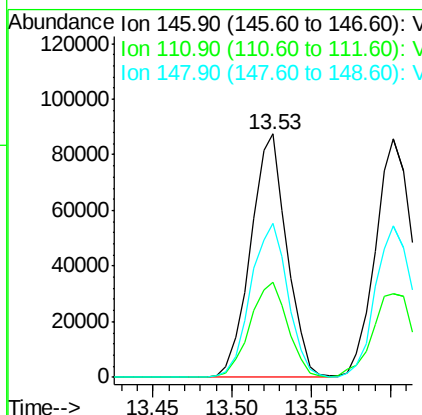
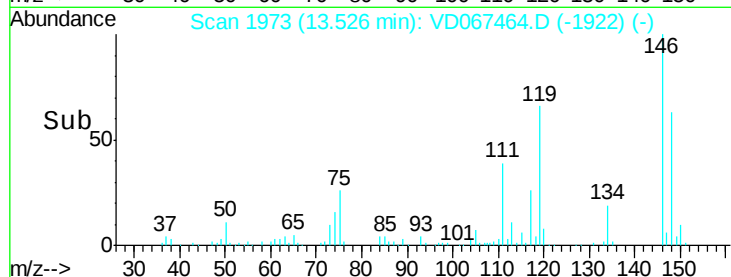
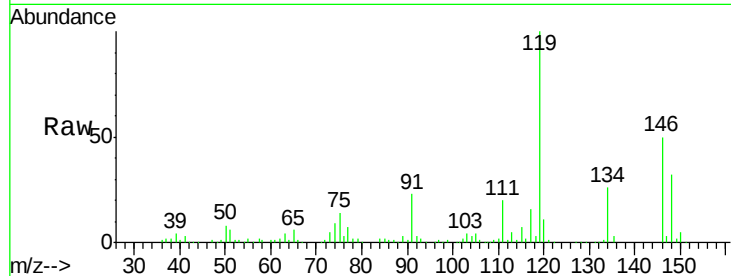
#87
 1,3-Dichlorobenzene
 Concen: 21.466 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	139191		
111	40.6	21.1	63.3	
148	64.9	31.9	95.9	

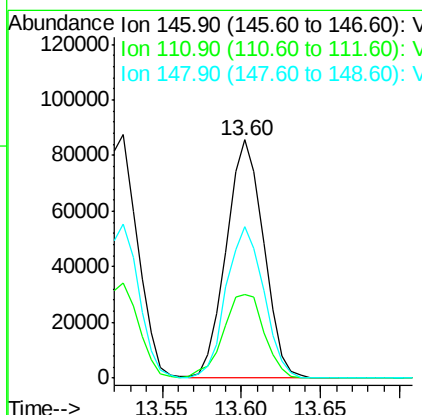
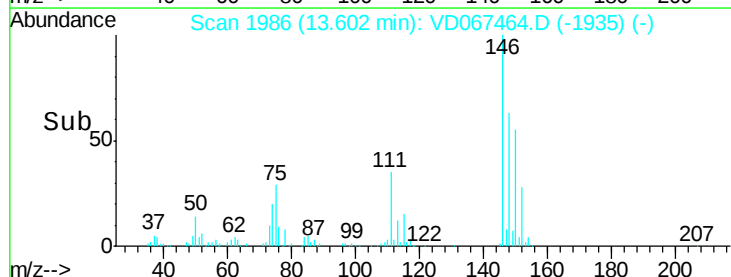
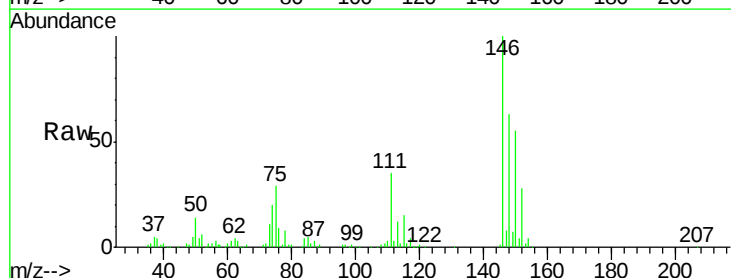
Manual Integrations
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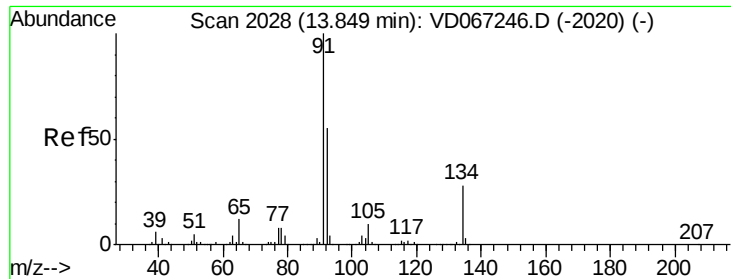
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#88
 1,4-Dichlorobenzene
 Concen: 21.856 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	140409		
111	38.6	19.9	59.7	
148	63.5	31.9	95.9	





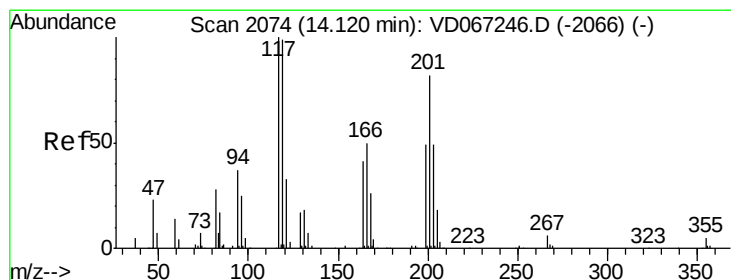
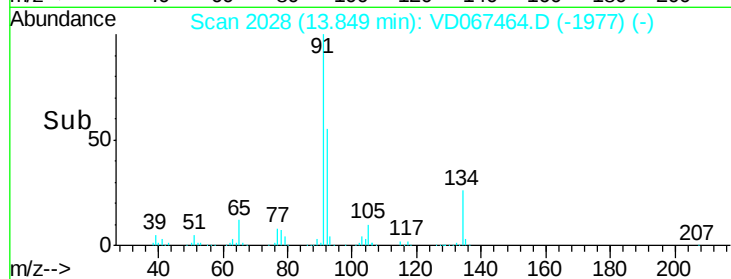
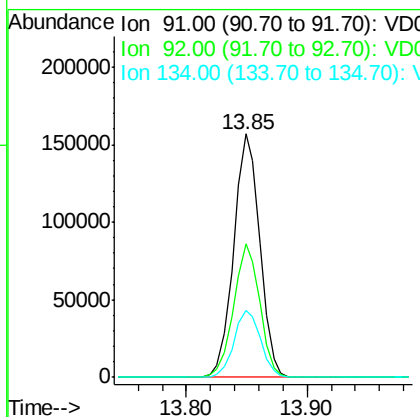
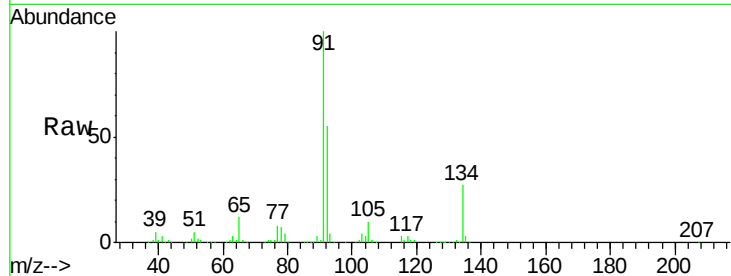
#89
n-Butylbenzene
Concen: 20.890 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.7	80.0
134	28.0	14.2	42.6

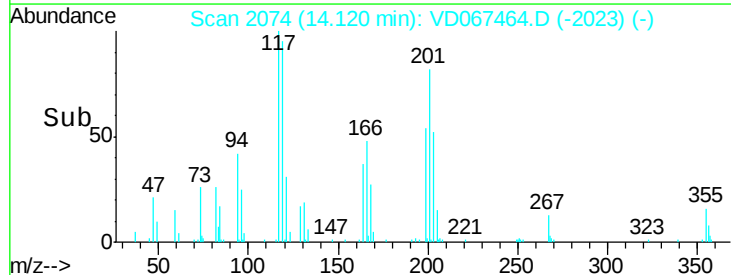
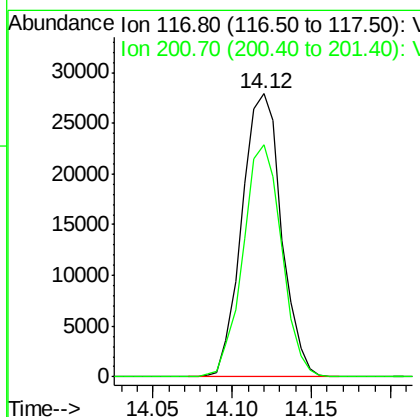
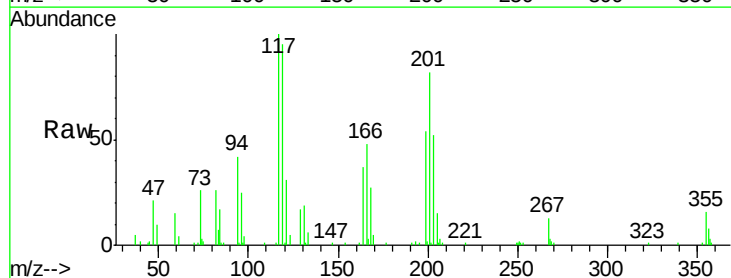
Manual Integrations
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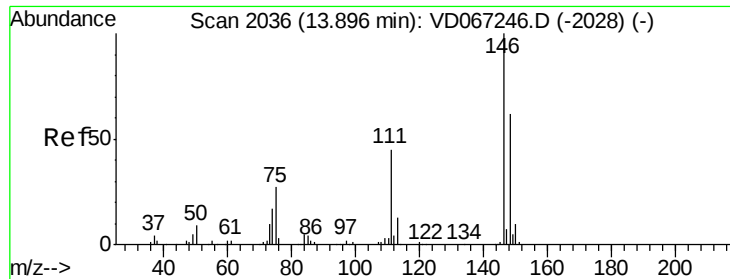
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#90
Hexachloroethane
Concen: 21.539 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	40.8	122.2





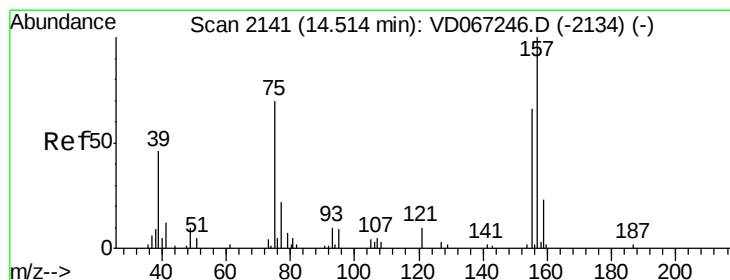
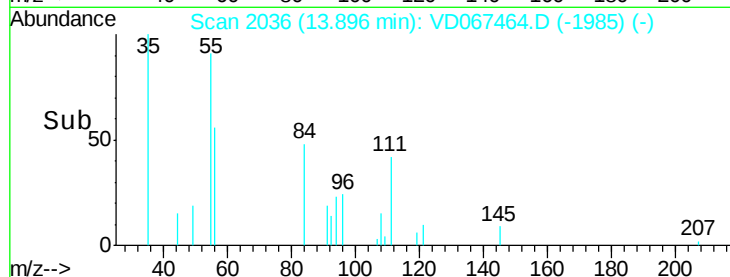
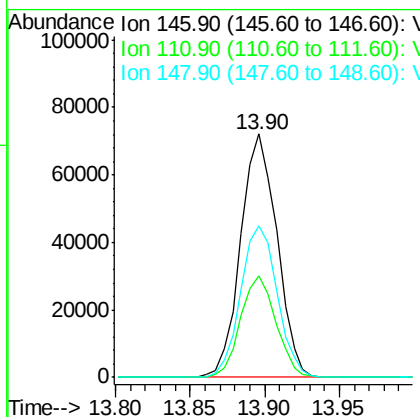
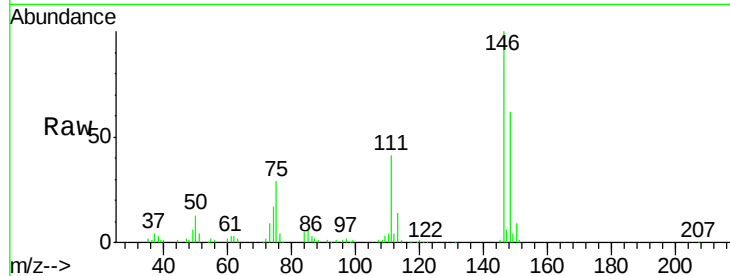
#91
 1,2-Dichlorobenzene
 Concen: 21.436 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	22.0	66.0
148	62.9	32.5	97.5

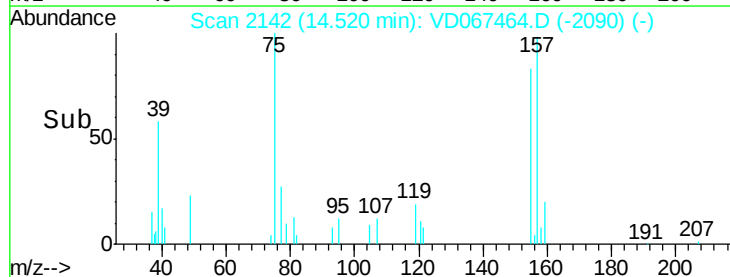
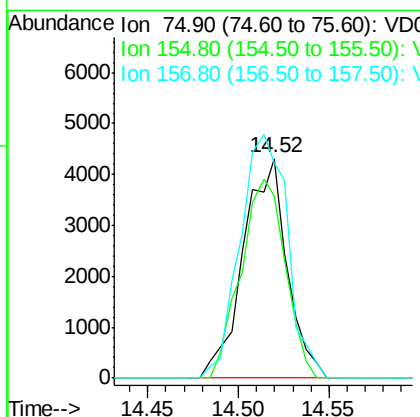
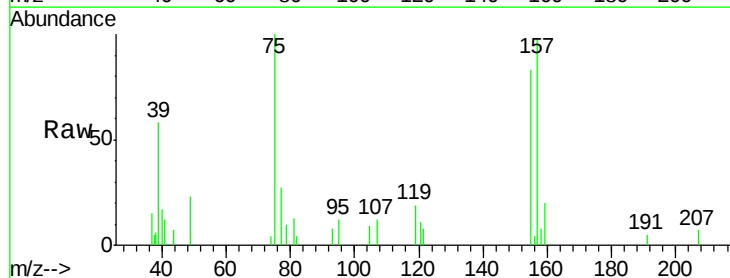
Manual Integrations
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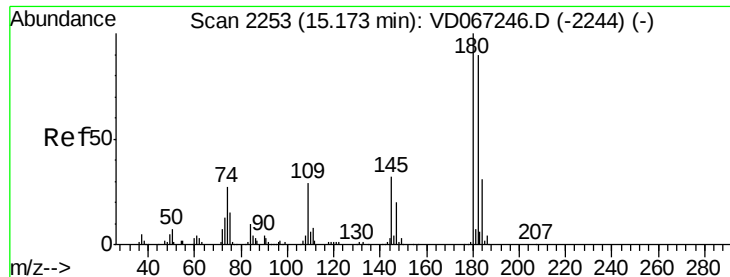
MMDadoda
 11/2/2020 4:09:32 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.251 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD067464.D
 Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	44.8	134.4
157	120.3	62.5	187.4





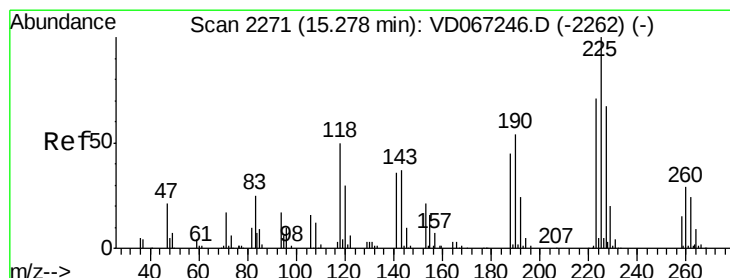
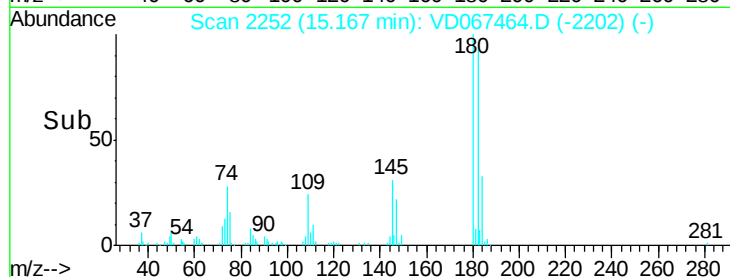
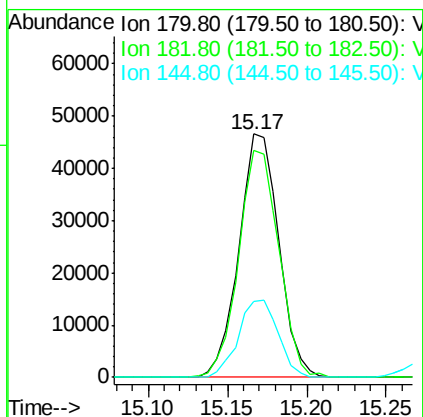
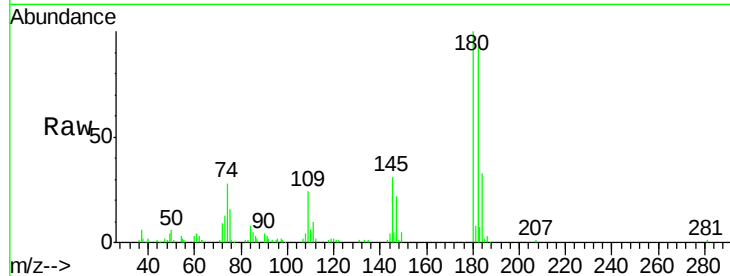
#93
1,2,4-Trichlorobenzene
Concen: 21.350 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.8	48.1	144.4	
145	31.6	16.3	48.9	

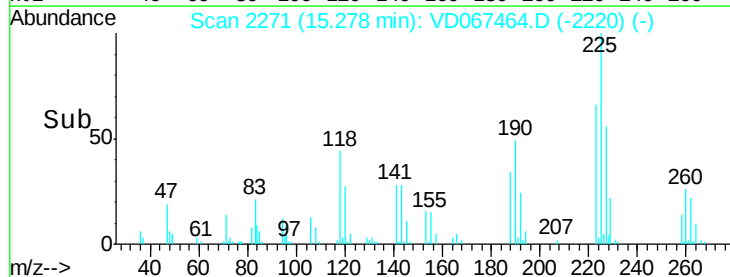
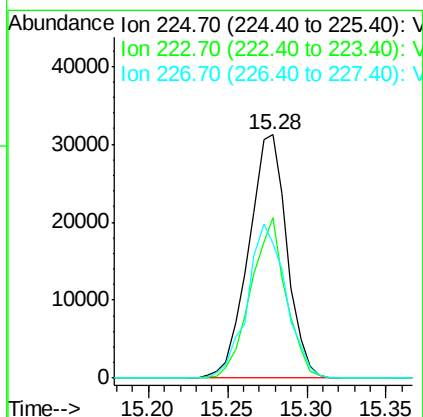
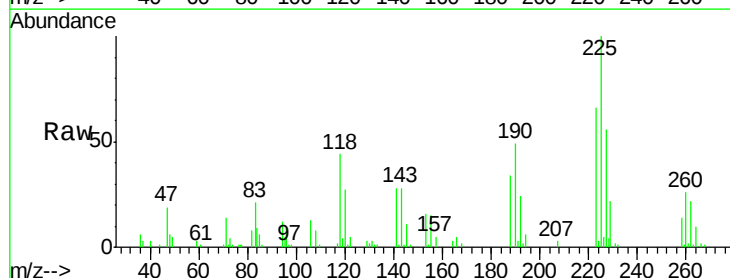
Manual Integrations
APPROVED

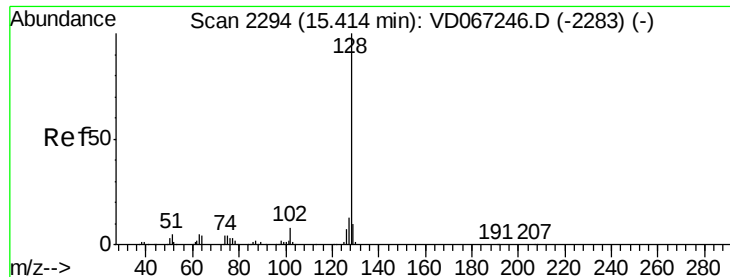
MMDadoda
11/2/2020 4:09:32 PM



#94
Hexachlorobutadiene
Concen: 22.184 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.5	31.9	95.7	
227	63.3	31.2	93.6	





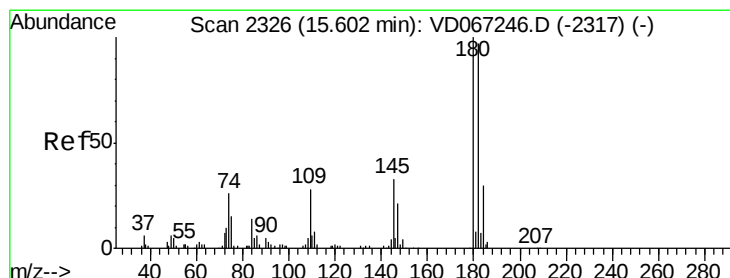
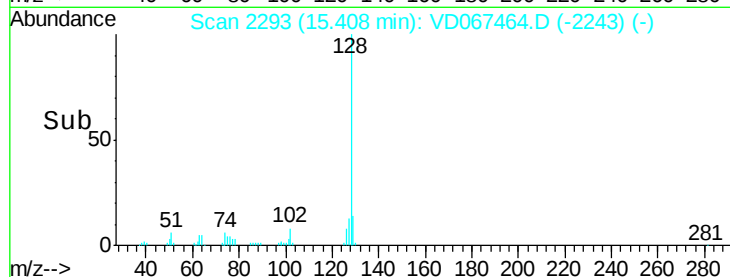
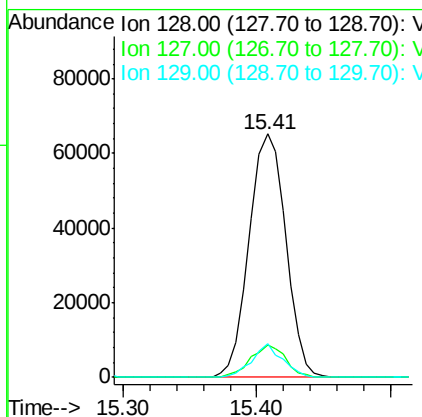
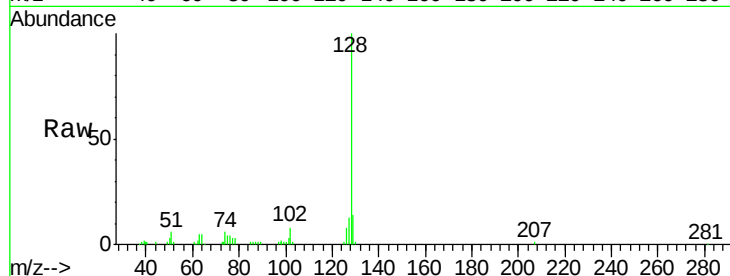
#95
Naphthalene
Concen: 19.778 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tot Ion:	128	Resp:	124021
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.4	15.6
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/2/2020 4:09:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.777 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067464.D
Acq: 30 Oct 2020 11:11

Tgt Ion:	180	Resp:	68554
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.1	144.3
145	34.2	17.3	51.9

