

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067406.D
 Acq On : 27 Oct 2020 12:44
 Operator : VA/SY
 Sample : VD1027SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 11:45:29 AM

Quant Time: Oct 28 01:10:11 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	302226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	455107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	419914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216937	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	152382	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
35) Dibromofluoromethane	7.92	113	154689	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
50) Toluene-d8	10.34	98	559273	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.64	95	202122	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52556	18.949	ug/l	89
3) Chloromethane	2.21	50	36324	19.097	ug/l	99
4) Vinyl Chloride	2.35	62	39676	19.011	ug/l	98
5) Bromomethane	2.76	94	30817	19.801	ug/l	91
6) Chloroethane	2.91	64	24536	18.878	ug/l	91
7) Trichlorofluoromethane	3.27	101	109901	20.913	ug/l	98
8) Diethyl Ether	3.71	74	23286	19.364	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58332	20.892	ug/l	100
10) Methyl Iodide	4.30	142	49937	19.389	ug/l	99
11) Tert butyl alcohol	5.21	59	20410	102.806	ug/l #	94
12) 1,1-Dichloroethene	4.07	96	53242	21.345	ug/l	92
13) Acrolein	3.93	56	8989	67.033	ug/l	99
14) Allyl chloride	4.71	41	56454	19.764	ug/l	99
15) Acrylonitrile	5.41	53	41648	103.797	ug/l	98
16) Acetone	4.16	43	43754	103.181	ug/l	99
17) Carbon Disulfide	4.40	76	133174	18.728	ug/l	100
18) Methyl Acetate	4.72	43	19834	20.507	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	101418	20.448	ug/l	98
20) Methylene Chloride	4.96	84	65824	21.692	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	58879	20.512	ug/l	95
22) Diisopropyl ether	6.37	45	114228	21.891	ug/l	91
23) Vinyl Acetate	6.31	43	303218	102.139	ug/l	100
24) 1,1-Dichloroethane	6.27	63	97070	21.732	ug/l	99
25) 2-Butanone	7.22	43	50244	103.944	ug/l	96
26) 2,2-Dichloropropane	7.21	77	96451	20.949	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	64531	20.513	ug/l	99
28) Bromochloromethane	7.55	49	28943	18.997	ug/l	96
29) Tetrahydrofuran	7.57	42	26718	99.435	ug/l	94
30) Chloroform	7.71	83	114011	21.367	ug/l	92
31) Cyclohexane	7.99	56	71847	20.602	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	110468	21.100	ug/l	96
36) 1,1-Dichloropropene	8.11	75	79246	20.544	ug/l	98
37) Ethyl Acetate	7.30	43	22701	20.003	ug/l	97
38) Carbon Tetrachloride	8.10	117	104098	21.115	ug/l	99

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Manual Integrations
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MMDadoda
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Quant Time: Oct 28 01:10:11 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)
39) Methylcyclohexane	9.36	83	81430	20.193	ug/l	95
40) Benzene	8.36	78	221551	20.936	ug/l	98
41) Methacrylonitrile	7.52	41	10321	16.829	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	71288	21.526	ug/l	100
43) Isopropyl Acetate	8.46	43	45297	20.115	ug/l	94
44) Trichloroethene	9.11	130	70311	20.752	ug/l	92
45) 1,2-Dichloropropane	9.39	63	50544	20.609	ug/l	99
46) Dibromomethane	9.48	93	31081	20.341	ug/l	95
47) Bromodichloromethane	9.67	83	87639	21.407	ug/l	96
48) Methyl methacrylate	9.46	41	20677	18.894	ug/l	96
49) 1,4-Dioxane	9.47	88	6130	396.210	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	116275	103.522	ug/l	100
52) Toluene	10.41	92	155918	21.633	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	75931	21.113	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	86713	20.603	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	43488	20.871	ug/l #	87
56) Ethyl methacrylate	10.67	69	45219	20.925	ug/l	97
57) 1,3-Dichloropropane	10.95	76	69890	21.076	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.94	63	116892	105.442	ug/l	99
59) 2-Hexanone	10.99	43	79047	102.991	ug/l	97
60) Dibromochloromethane	11.14	129	63338	20.843	ug/l	99
61) 1,2-Dibromoethane	11.25	107	42707	20.790	ug/l	99
64) Tetrachloroethene	10.88	164	63291	20.803	ug/l	91
65) Chlorobenzene	11.67	112	170978	21.233	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	69252	21.639	ug/l	99
67) Ethyl Benzene	11.75	91	295211	21.387	ug/l	99
68) m/p-Xylenes	11.86	106	231109	43.479	ug/l	99
69) o-Xylene	12.18	106	104453	21.221	ug/l	94
70) Styrene	12.20	104	178819	21.104	ug/l	99
71) Bromoform	12.37	173	37237	21.658	ug/l #	99
73) Isopropylbenzene	12.48	105	295325	21.450	ug/l	99
74) N-amyl acetate	12.29	43	42520	20.448	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	44421	21.056	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	27178m	18.076	ug/l	
77) Bromobenzene	12.77	156	73307	21.356	ug/l	99
78) n-propylbenzene	12.83	91	340768	21.362	ug/l	99
79) 2-Chlorotoluene	12.91	91	197316	21.329	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	253785	21.211	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13621	20.543	ug/l	93
82) 4-Chlorotoluene	13.01	91	209776	21.365	ug/l	99
83) tert-Butylbenzene	13.23	119	221702	21.936	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	257394	21.766	ug/l	100
85) sec-Butylbenzene	13.41	105	295988	21.344	ug/l	98
86) p-Isopropyltoluene	13.52	119	281901	21.537	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	143600	21.735	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	141760	21.657	ug/l	100
89) n-Butylbenzene	13.85	91	241560	20.977	ug/l	100
90) Hexachloroethane	14.12	117	48270	21.132	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	122130	21.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7731	20.172	ug/l	97

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ClientSampleId :
VD1027SBSD01

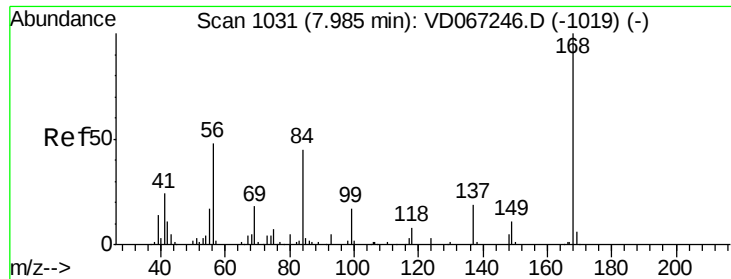
Manual Integrations
APPROVED

MMDadoda
10/28/2020 11:45:29 AM

Quant Time: Oct 28 01:10:11 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	81320	20.897	ug/l	99
94) Hexachlorobutadiene	15.27	225	53218	22.022	ug/l	98
95) Naphthalene	15.41	128	127046	19.885	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	72471	21.557	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion:168 Resp: 302226

Ion Ratio Lower Upper

168 100

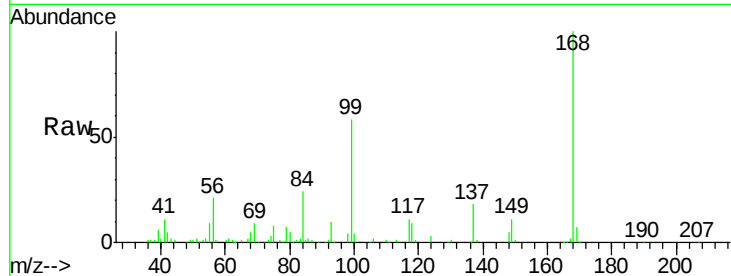
99 57.6 45.9 68.9

Manual Integrations

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10/28/2020 11:45:29 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

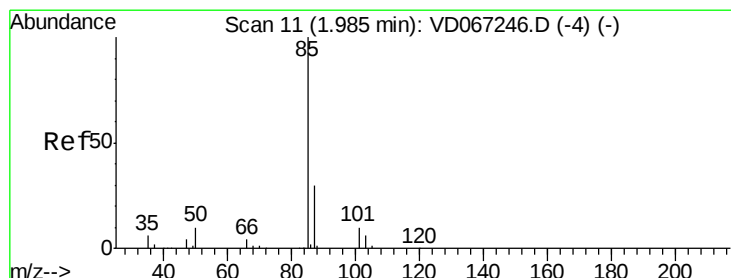
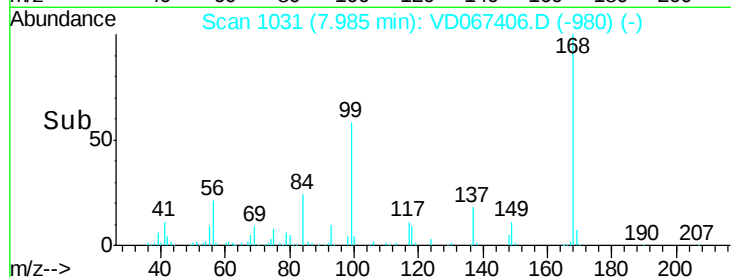
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.949 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067406.D

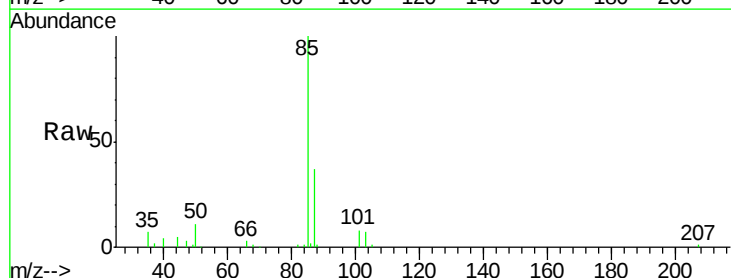
Acq: 27 Oct 2020 12:44

Tgt Ion: 85 Resp: 52556

Ion Ratio Lower Upper

85 100

87 36.6 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

30000

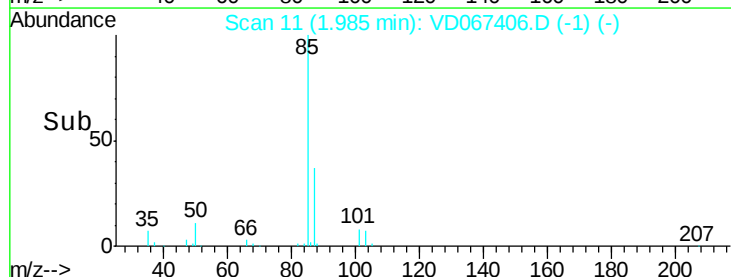
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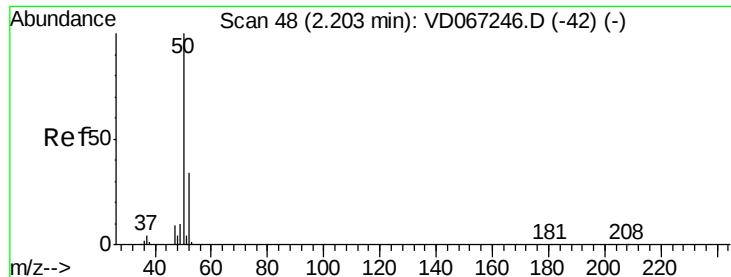
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.097 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 50 Resp: 36324

Ion Ratio Lower Upper

50 100

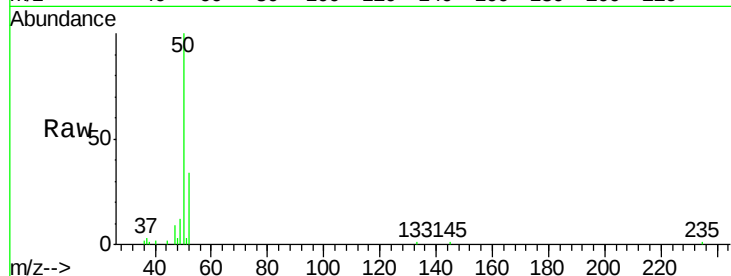
52 33.5 27.1 40.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

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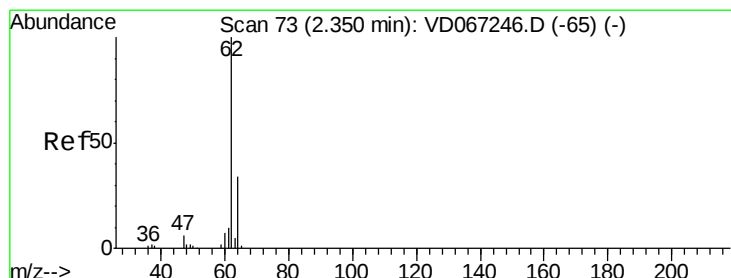
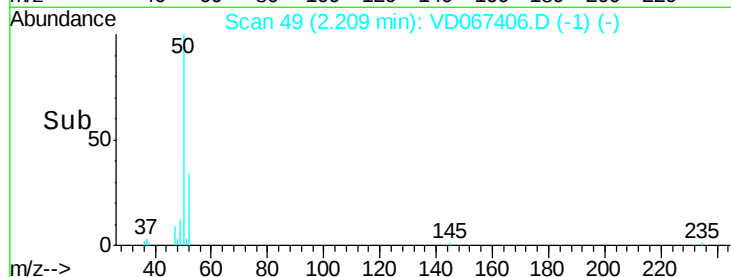
2.21

2.21

2.21

2.21

2.21



#4

Vinyl Chloride

Concen: 19.011 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067406.D

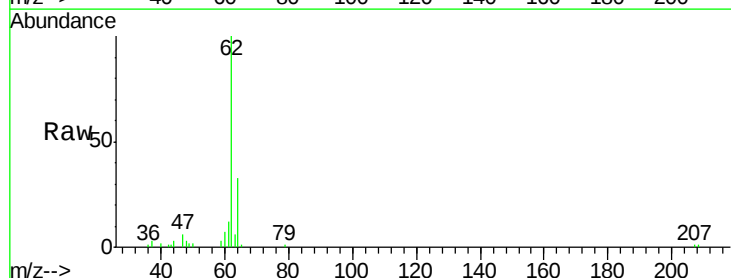
Acq: 27 Oct 2020 12:44

Tgt Ion: 62 Resp: 39676

Ion Ratio Lower Upper

62 100

64 32.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

2.35

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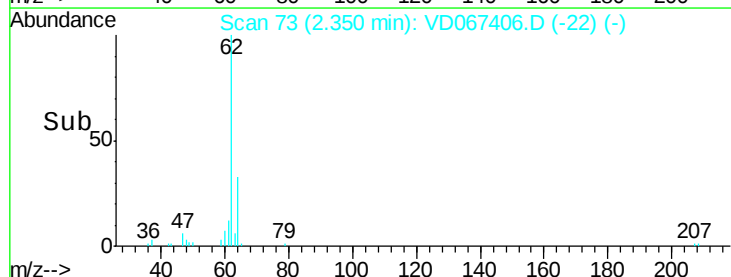
2.35

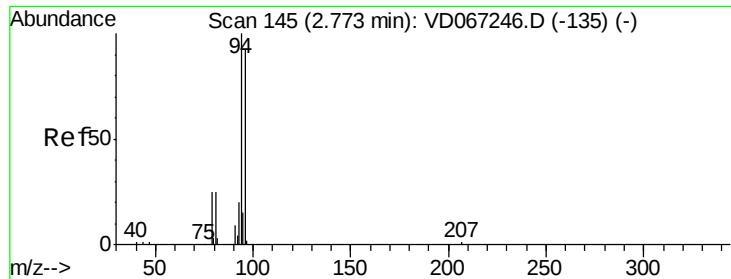
2.35

2.35

2.35

2.35





#5

Bromomethane

Concen: 19.801 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 94 Resp: 30817

Ion Ratio Lower Upper

94 100

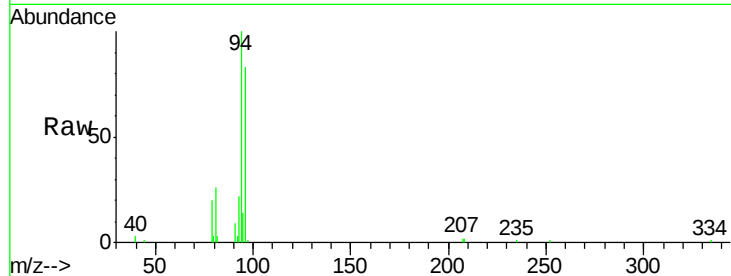
96 83.3 73.8 110.6

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

15000

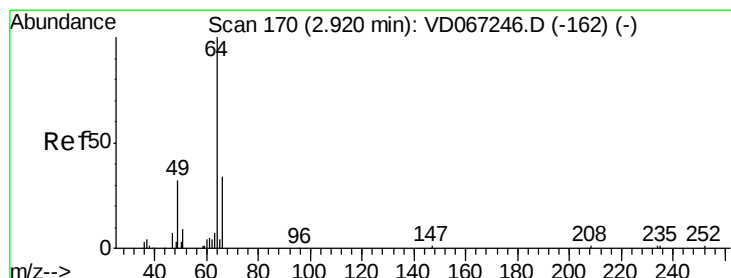
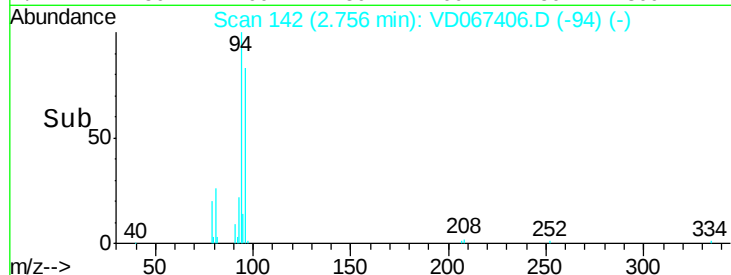
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5000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 18.878 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067406.D

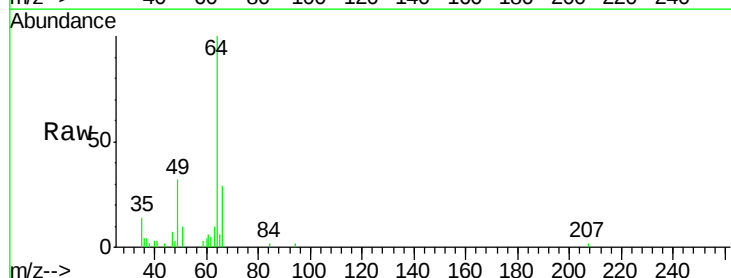
Acq: 27 Oct 2020 12:44

Tgt Ion: 64 Resp: 24536

Ion Ratio Lower Upper

64 100

66 28.8 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

12000

10000

8000

6000

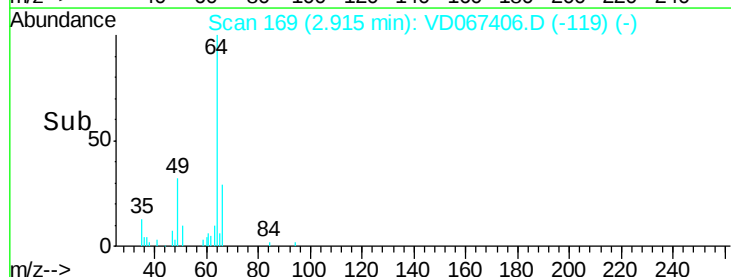
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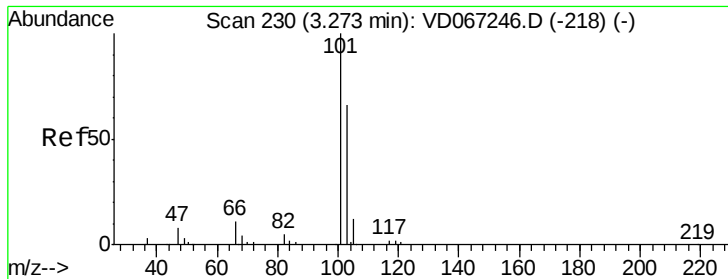
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0

2.85 2.90 2.95 3.00

Time-->





#7

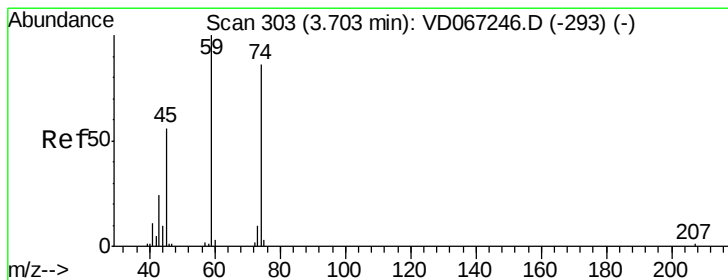
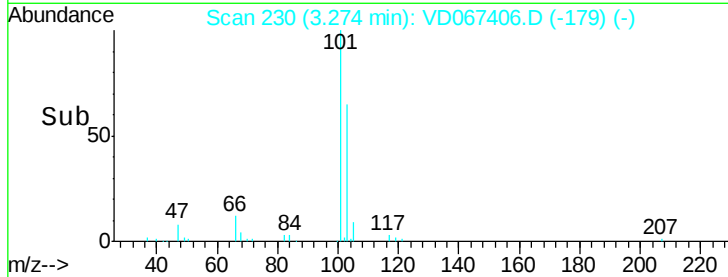
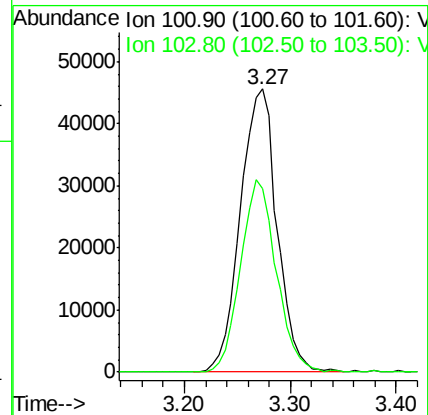
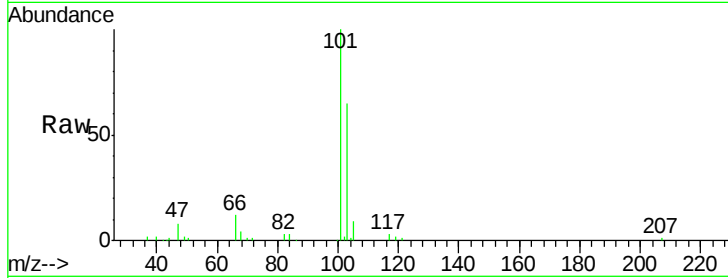
Trichlorofluoromethane
 Concen: 20.913 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

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 VD1027SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	53.1	79.7

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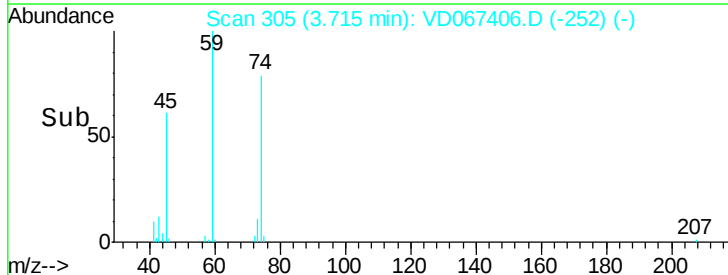
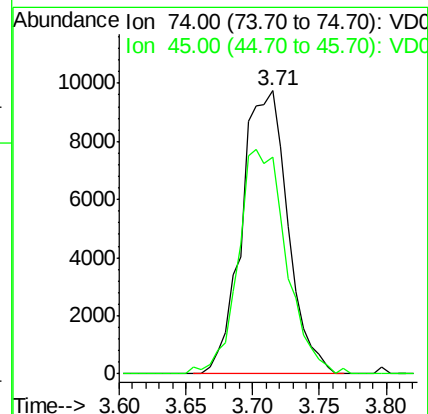
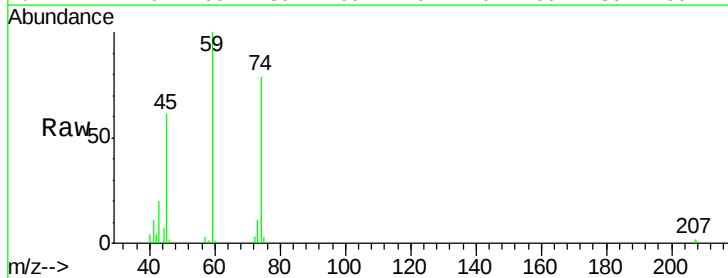
MMDadoda
 10/28/2020 11:45:29 AM

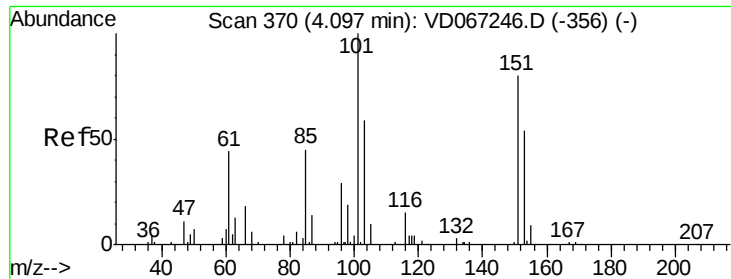


#8

Diethyl Ether
 Concen: 19.364 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.3	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.892 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

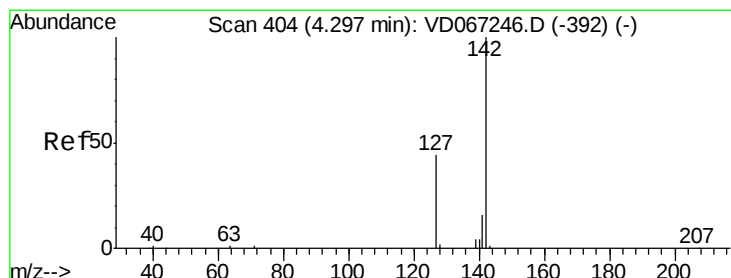
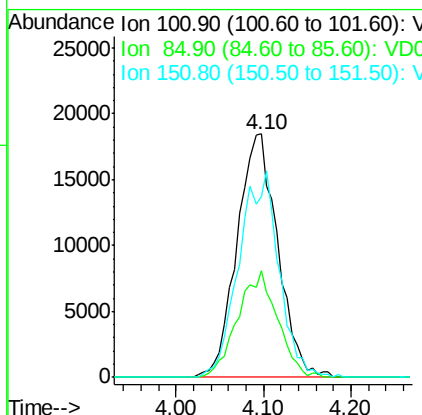
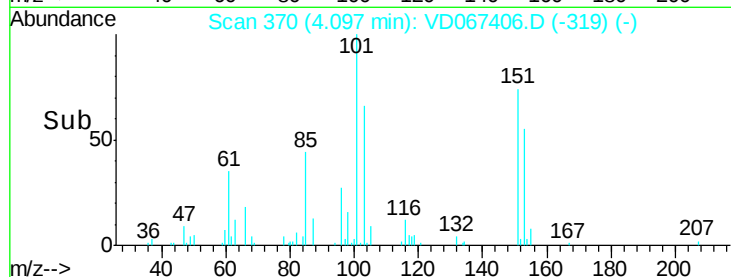
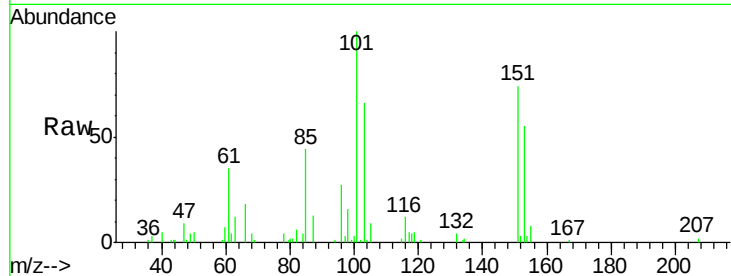
ClientSampleId :

VD1027SBS01

Tot Ion:	101	Resp:	58332
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.4
151	83.3	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 19.389 ug/l

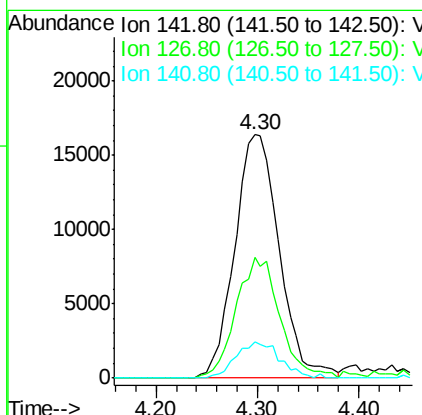
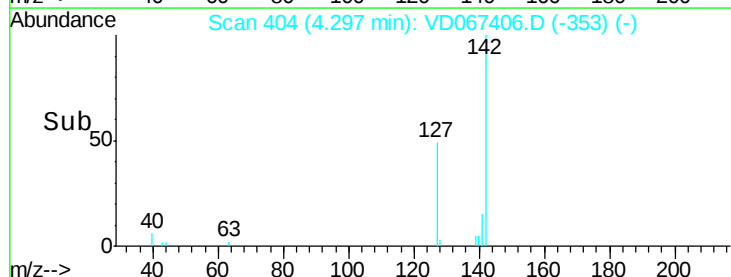
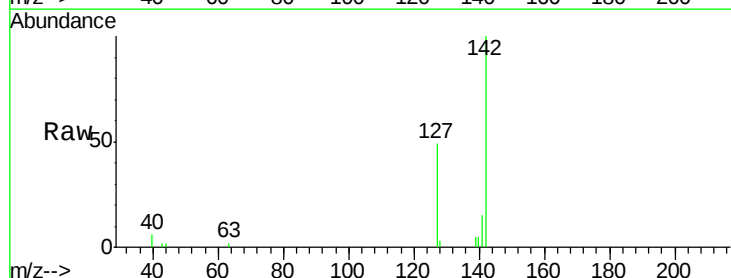
RT: 4.30 min Scan# 404

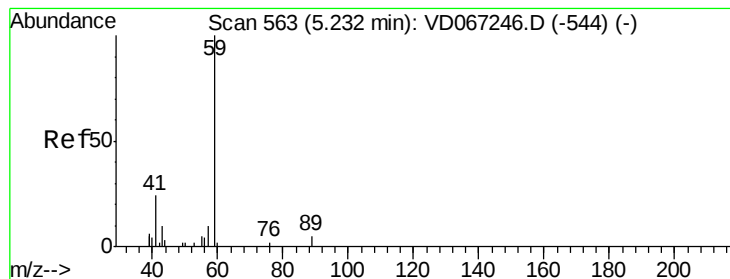
Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Tgt Ion:	142	Resp:	49937
Ion Ratio	Lower	Upper	
142	100		
127	48.6	38.4	57.6
141	14.5	11.6	17.4





#11

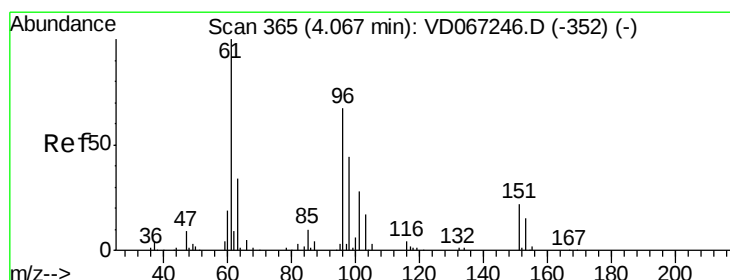
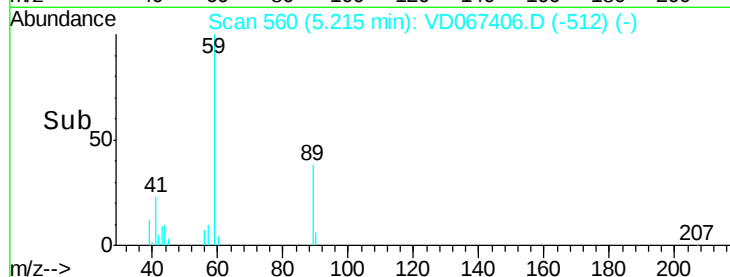
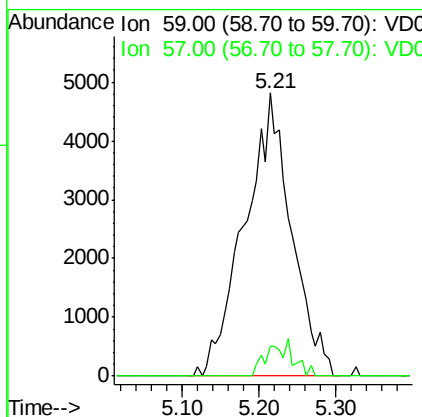
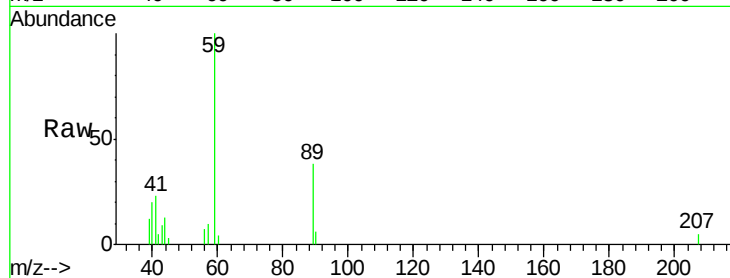
Tert butyl alcohol
 Concen: 102.806 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.02 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion: 59 Resp: 20410
 Ion Ratio Lower Upper
 59 100
 57 4.4 5.1 7.7#

Manual Integrations
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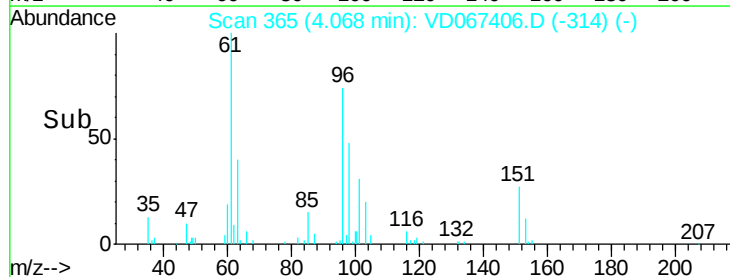
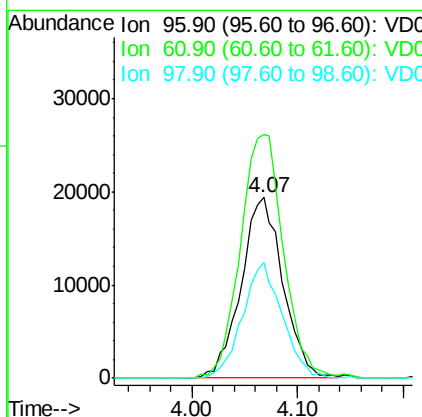
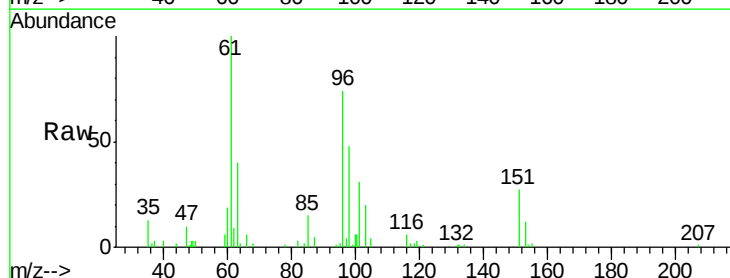
MMDadoda
 10/28/2020 11:45:29 AM

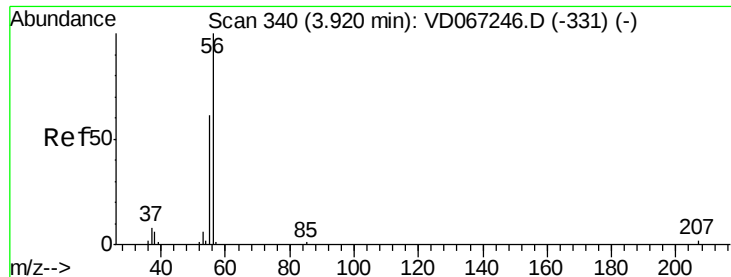


#12

1,1-Dichloroethene
 Concen: 21.345 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Tgt Ion: 96 Resp: 53242
 Ion Ratio Lower Upper
 96 100
 61 134.7 118.6 177.8
 98 64.2 51.8 77.6





#13

Acrolein

Concen: 67.033 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 56 Resp: 8989

Ion Ratio Lower Upper

56 100

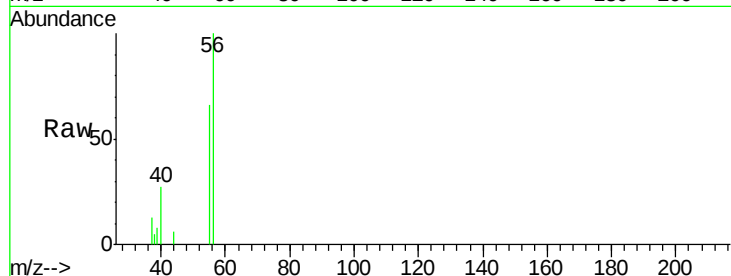
55 71.1 56.0 84.0

Manual Integrations

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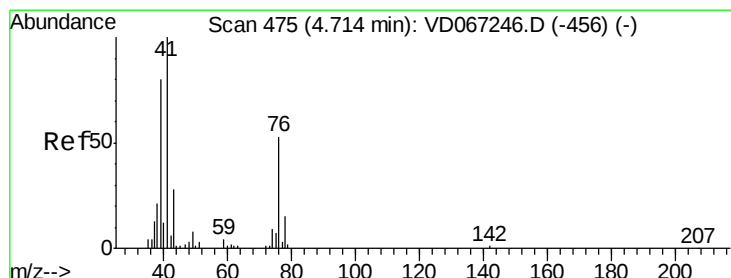
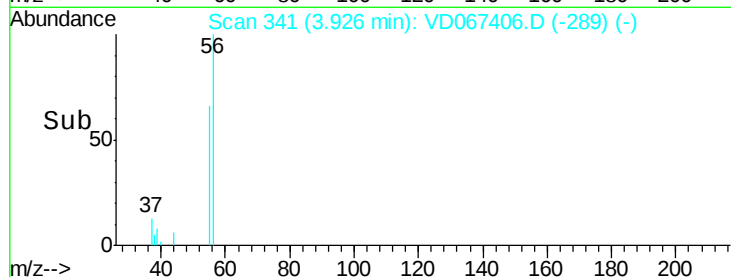
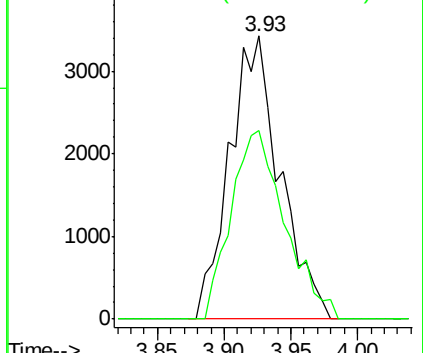
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.764 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

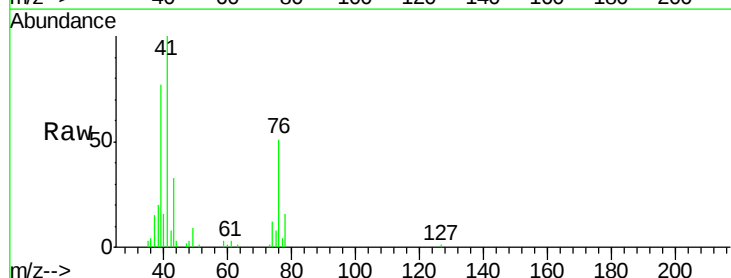
Tgt Ion: 41 Resp: 56454

Ion Ratio Lower Upper

41 100

39 80.9 63.8 95.6

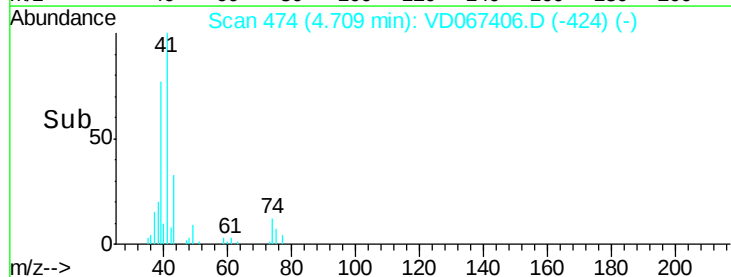
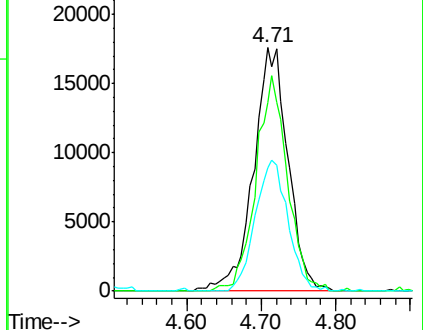
76 51.1 40.4 60.6

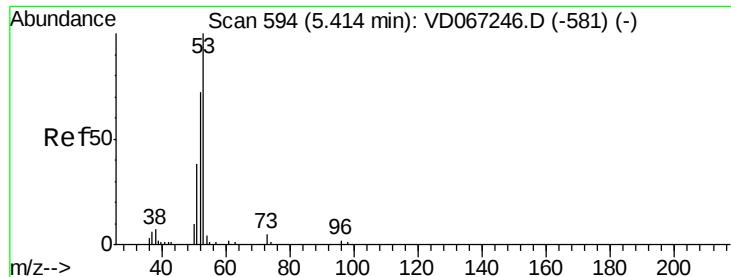


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 103.797 ug/l

RT: 5.41 min Scan# 594

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

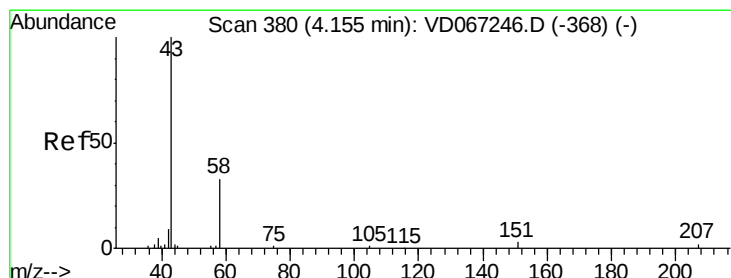
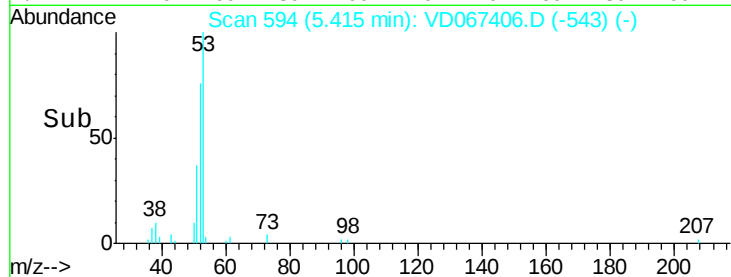
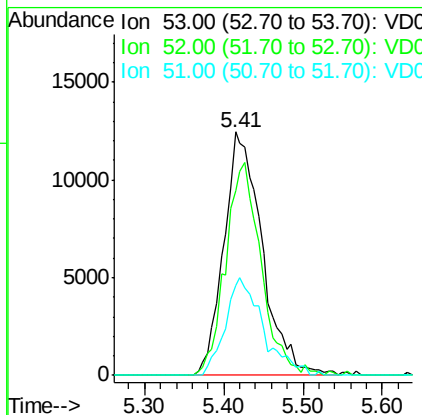
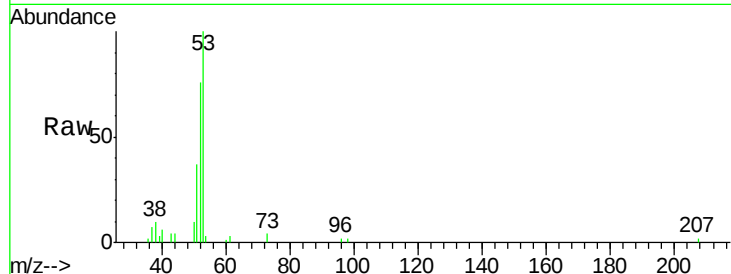
ClientSampleId :

VD1027SBS01

Tot Ion:	53	Resp:	41648
Ion	Ratio	Lower	Upper
53	100		
52	80.0	65.6	98.4
51	39.3	30.8	46.2

Manual Integrations
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MMDadoda
10/28/2020 11:45:29 AM



#16

Acetone

Concen: 103.181 ug/l

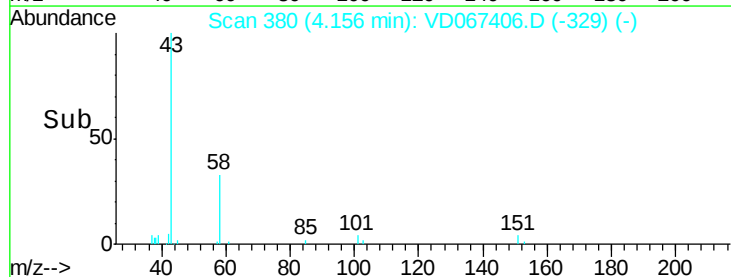
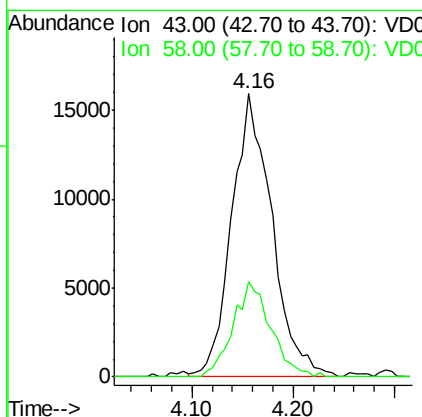
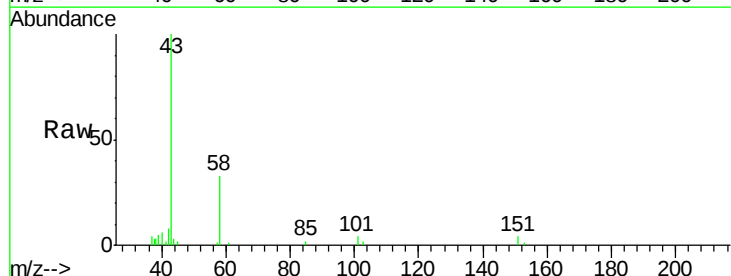
RT: 4.16 min Scan# 380

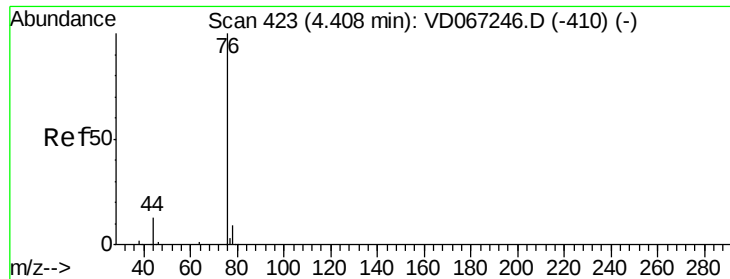
Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Tgt Ion:	43	Resp:	43754
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.1	39.1





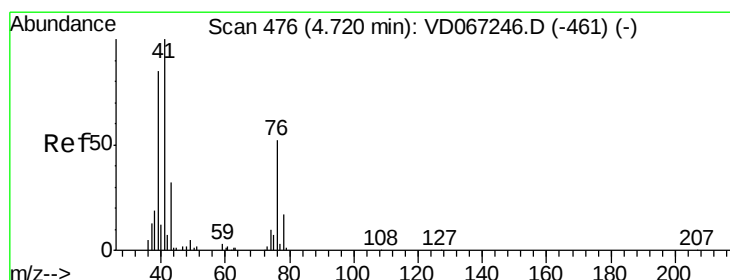
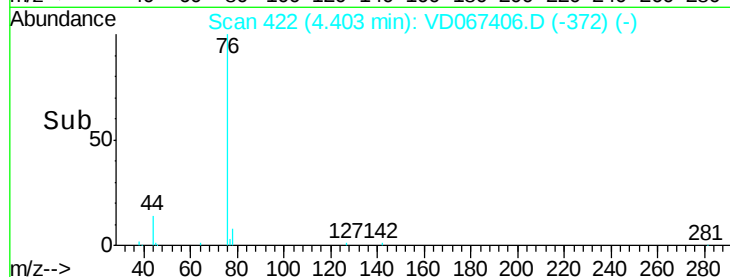
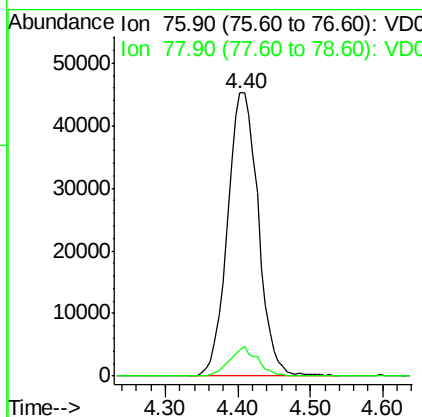
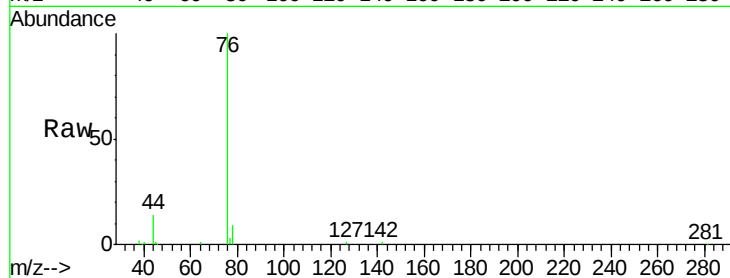
#17
Carbon Disulfide
Concen: 18.728 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

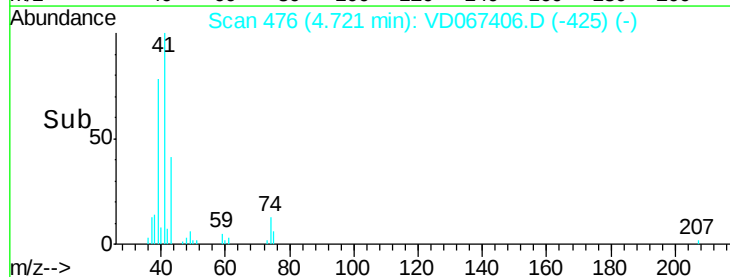
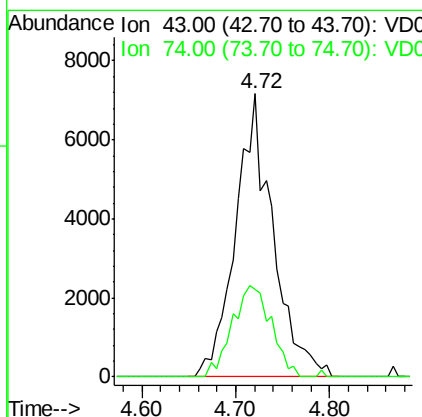
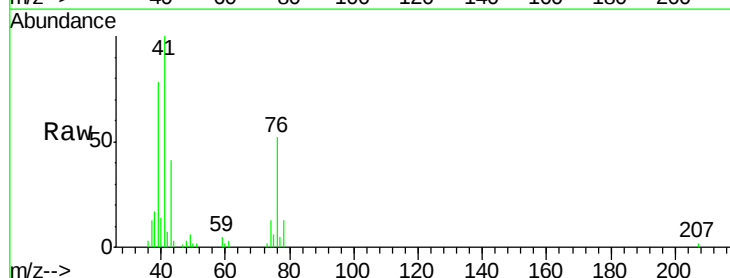
Manual Integrations
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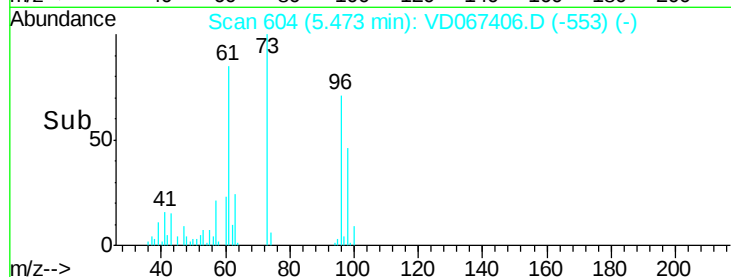
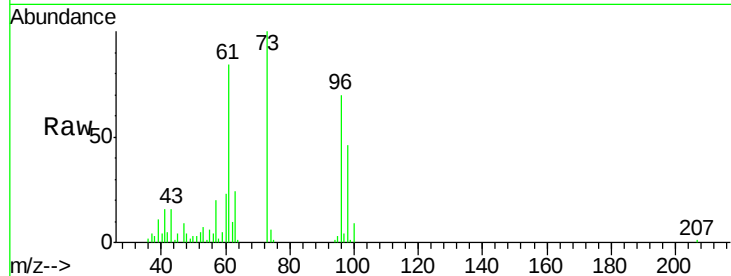
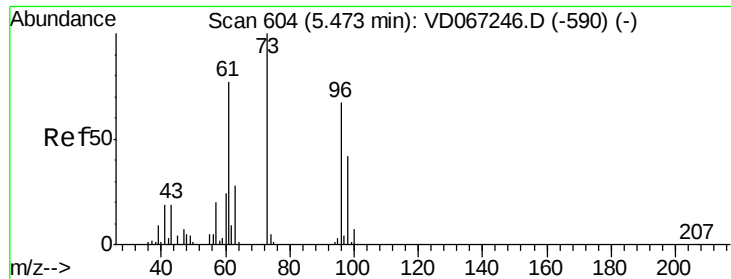
MMDadoda
10/28/2020 11:45:29 AM



#18
Methyl Acetate
Concen: 20.507 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	33.5	26.6	39.8





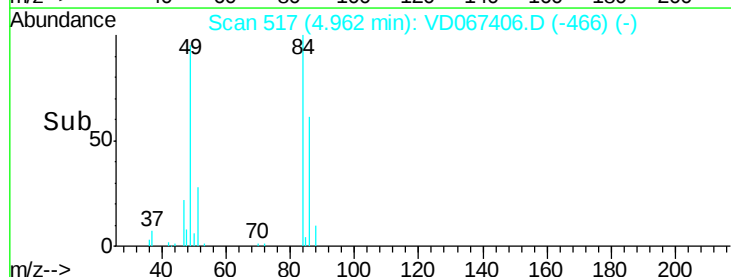
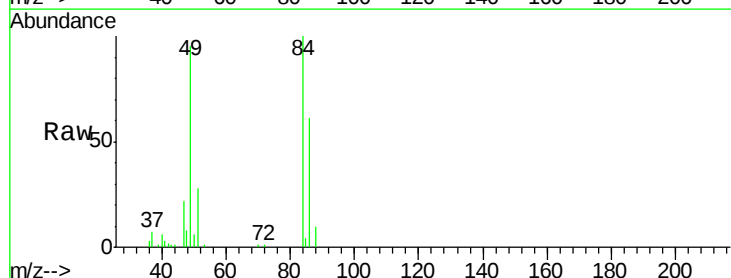
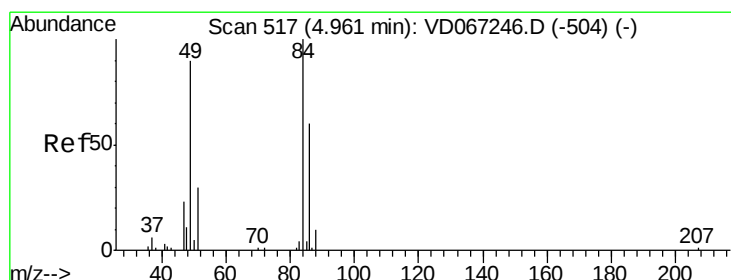
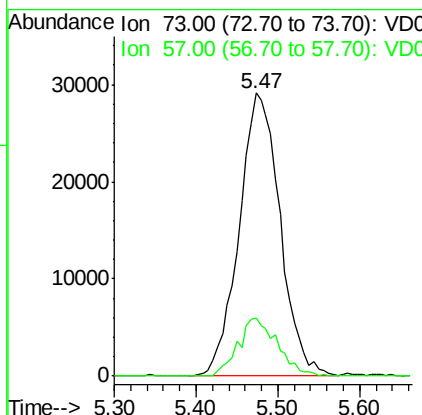
#19
Methyl tert-butyl Ether
Concen: 20.448 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tot Ion: 73 Resp: 101418
Ion Ratio Lower Upper
73 100
57 20.3 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

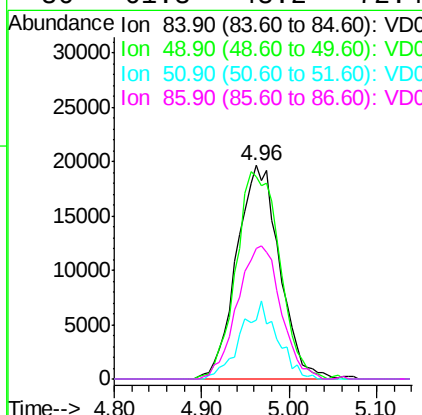
Manual Integrations
APPROVED

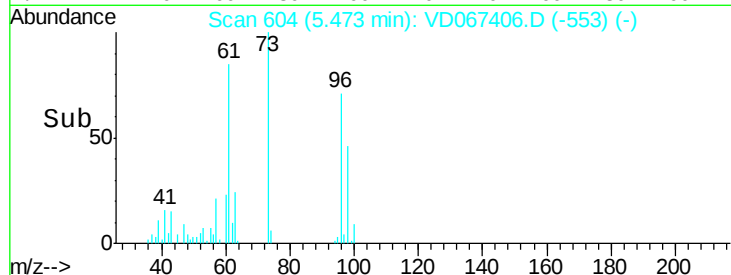
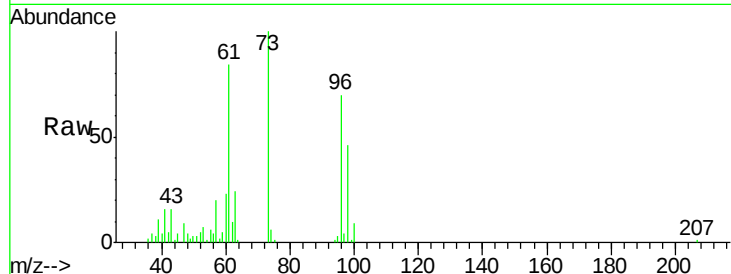
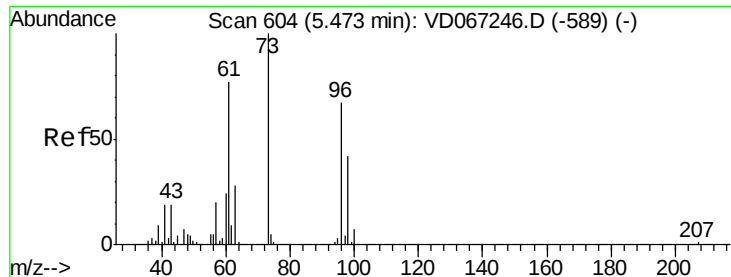
MMDadoda
10/28/2020 11:45:29 AM



#20
Methylene Chloride
Concen: 21.692 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion: 84 Resp: 65824
Ion Ratio Lower Upper
84 100
49 94.6 72.2 108.2
51 27.9 23.8 35.8
86 61.3 48.2 72.4





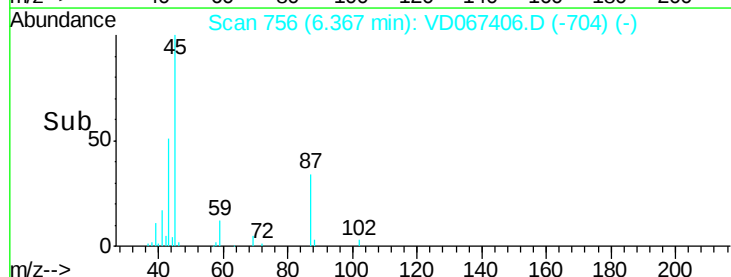
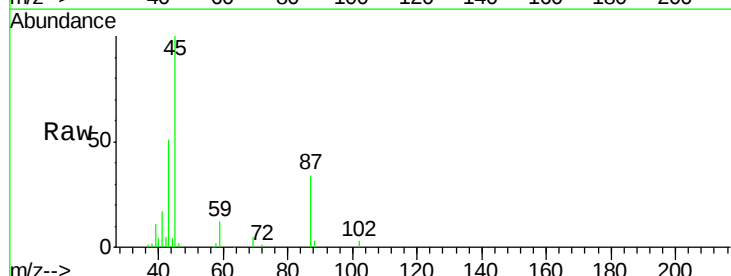
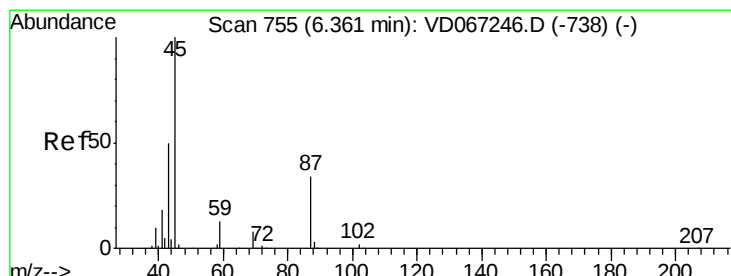
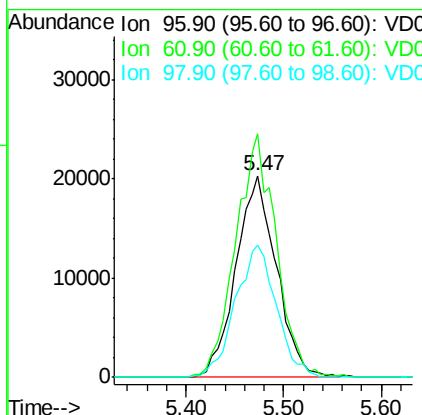
#21
trans-1,2-Dichloroethene
Concen: 20.512 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.6	92.0	138.0
98	65.7	49.8	74.8

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

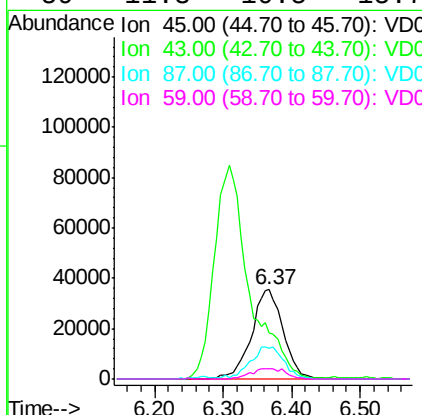
Manual Integrations
APPROVED

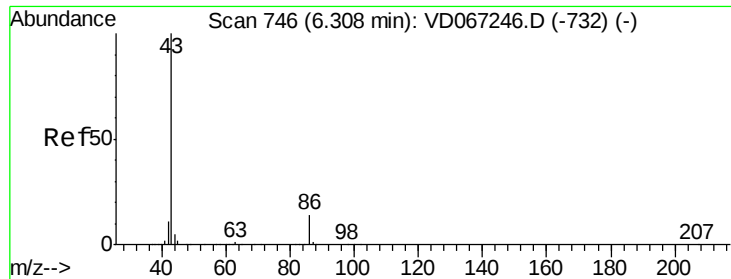
MMDadoda
10/28/2020 11:45:29 AM



#22
Diisopropyl ether
Concen: 21.891 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	49.1	48.0	72.0
87	33.9	28.5	42.7
59	11.3	10.5	15.7





#23

Vinyl Acetate

Concen: 102.139 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 43 Resp: 303218

Ion Ratio Lower Upper

43 100

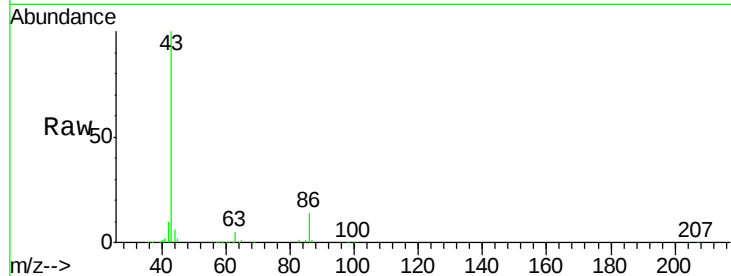
86 13.7 11.0 16.6

Manual Integrations

APPROVED

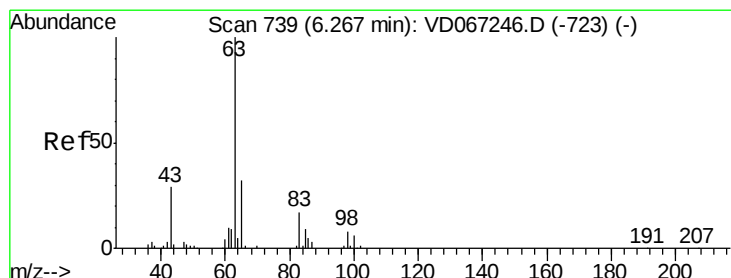
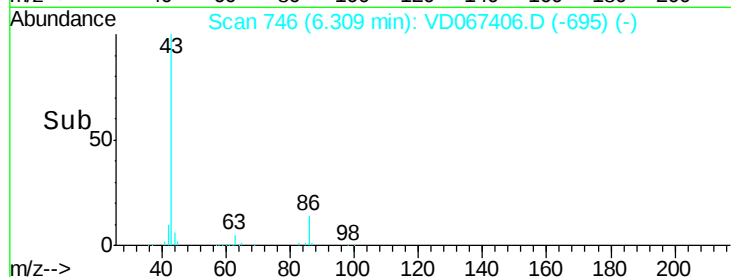
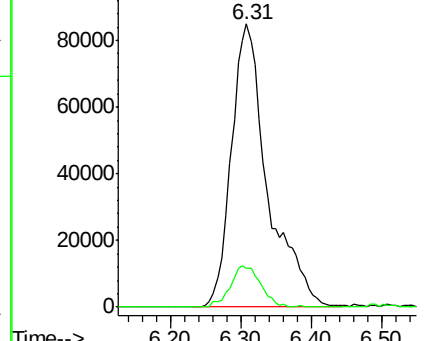
MMDadoda

10/28/2020 11:45:29 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.732 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

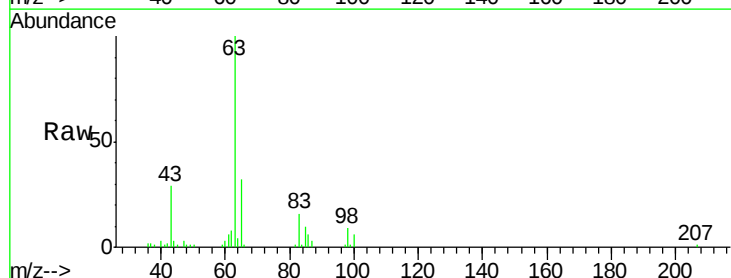
Tgt Ion: 63 Resp: 97070

Ion Ratio Lower Upper

63 100

98 8.7 4.0 12.2

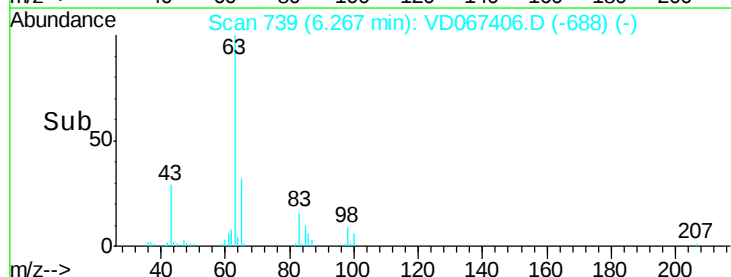
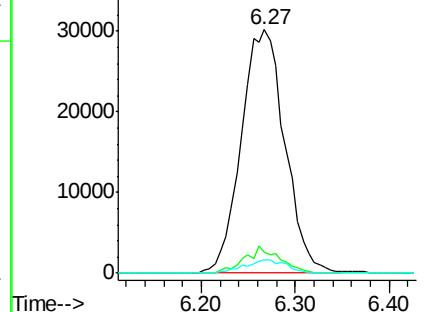
100 5.6 2.8 8.4

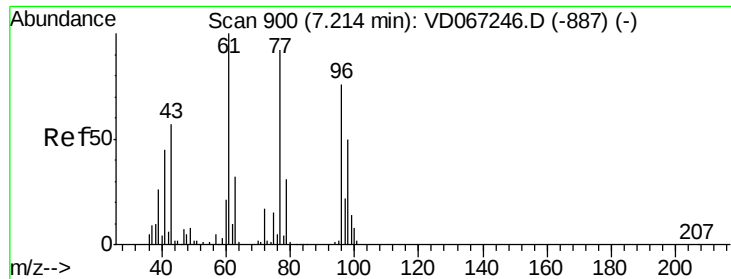


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 103.944 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 43 Resp: 50244

Ion Ratio Lower Upper

43 100

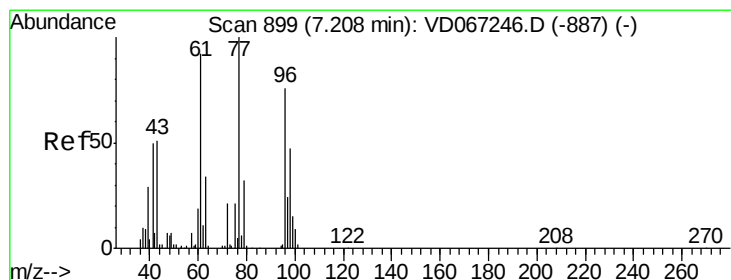
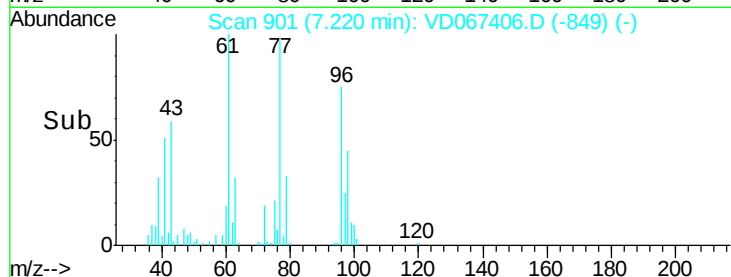
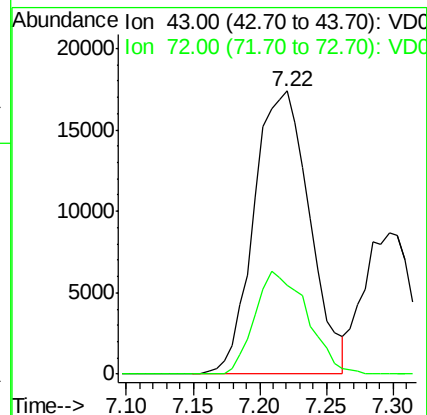
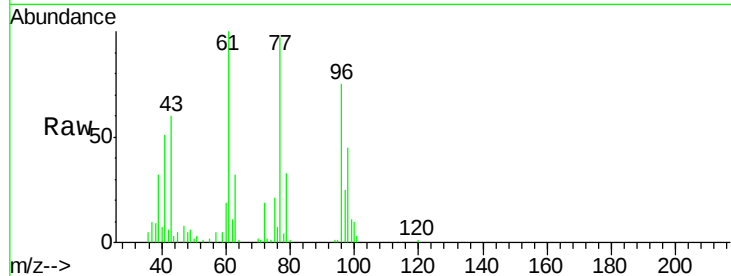
72 31.5 23.7 35.5

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#26

2,2-Dichloropropane

Concen: 20.949 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067406.D

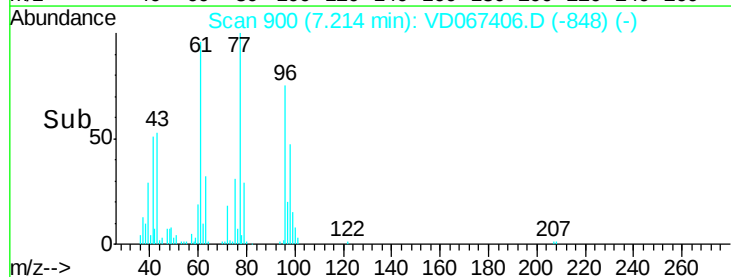
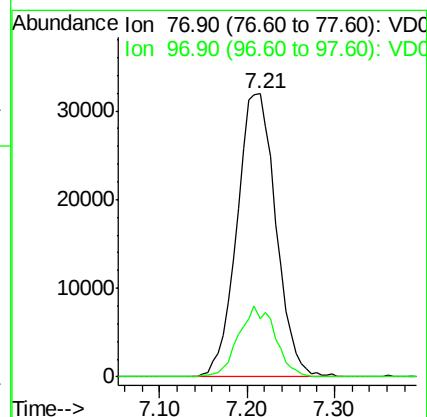
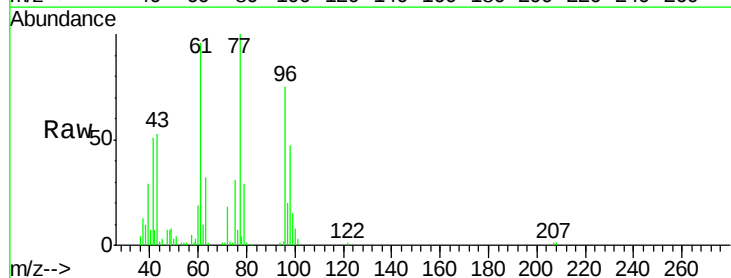
Acq: 27 Oct 2020 12:44

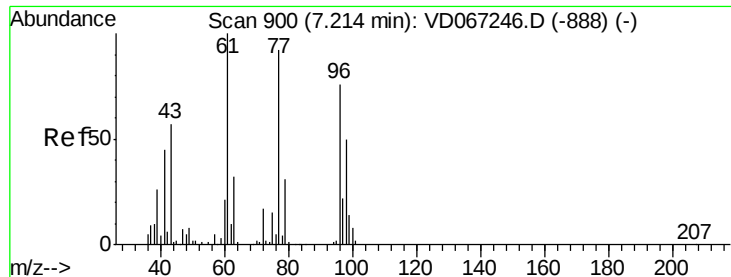
Tgt Ion: 77 Resp: 96451

Ion Ratio Lower Upper

77 100

97 23.6 11.4 34.2





#27

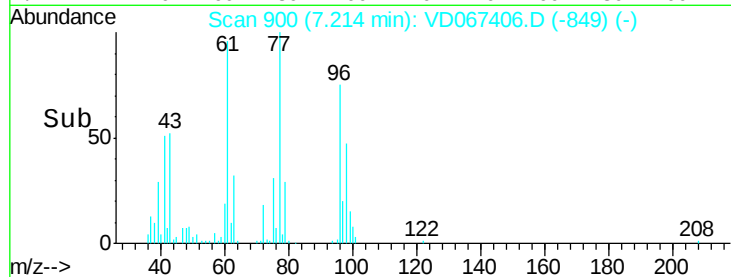
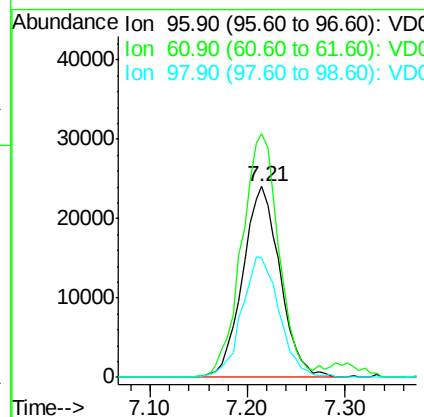
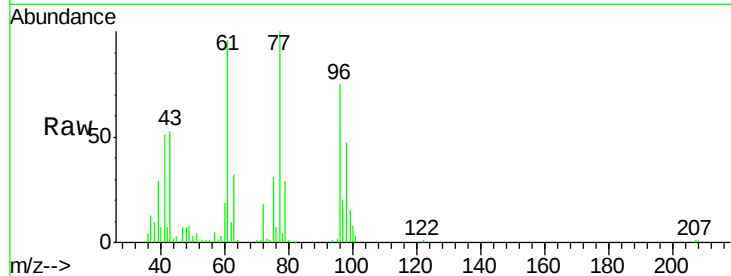
cis-1,2-Dichloroethene
Concen: 20.513 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	64531		
61	126.6		0.0	255.4
98	63.2		0.0	128.0

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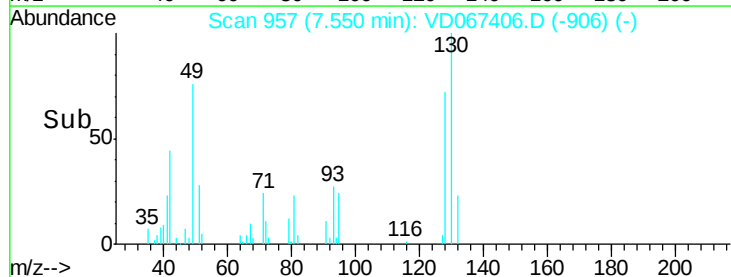
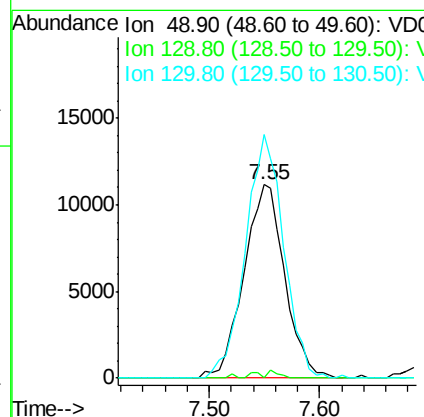
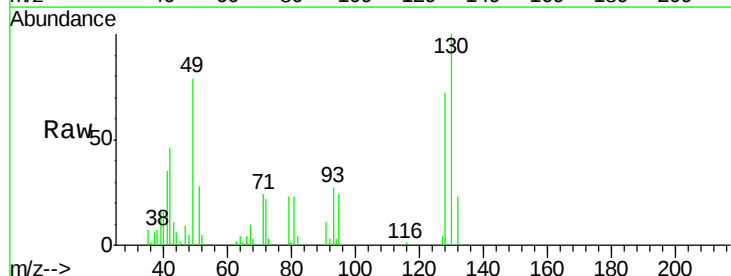
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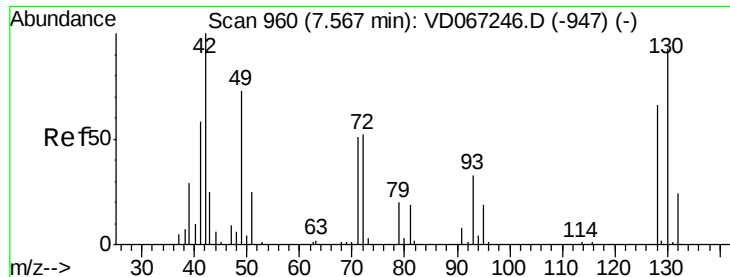


#28

Bromochloromethane
Concen: 18.997 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28943		
129	1.0		0.0	1.6
130	117.7		91.0	136.6





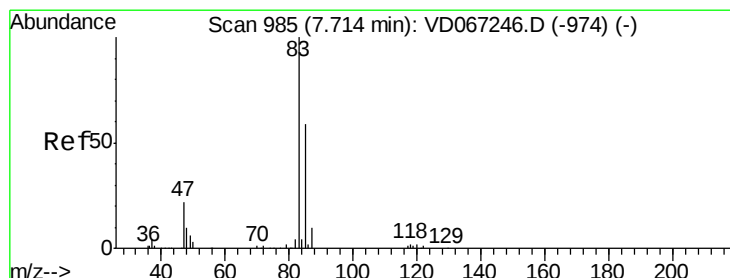
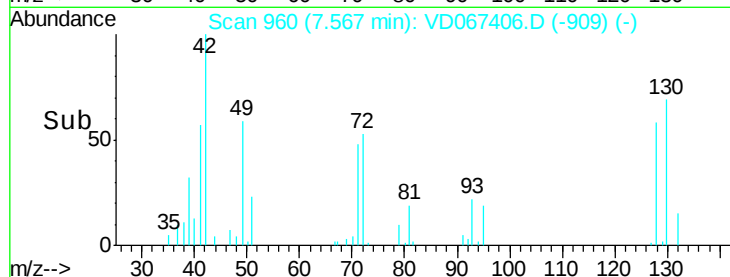
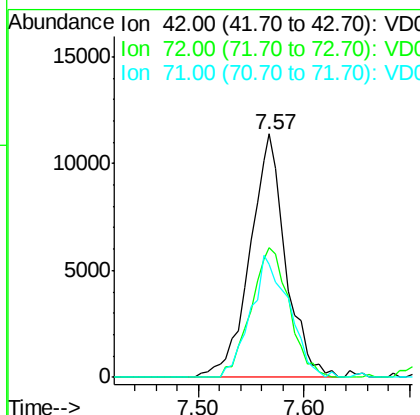
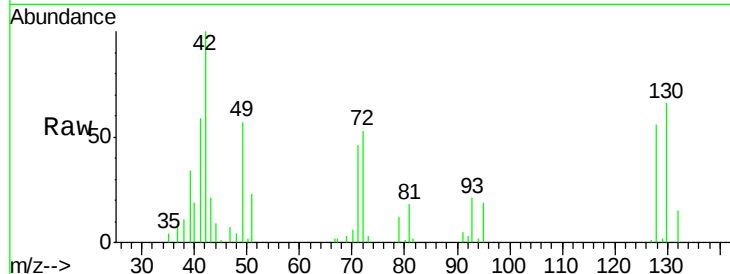
#29
Tetrahydrofuran
Concen: 99.435 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.2	43.2	64.8
71	53.9	39.4	59.0

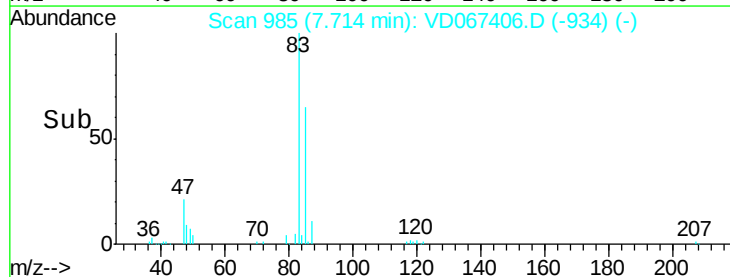
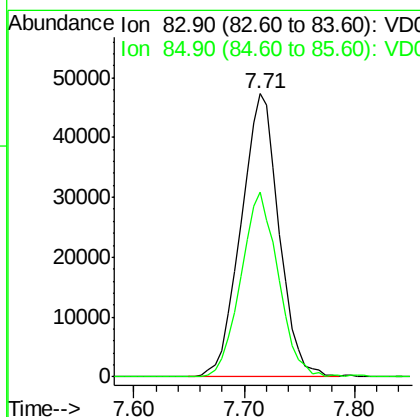
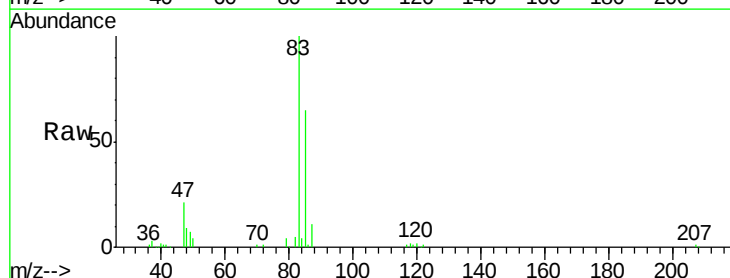
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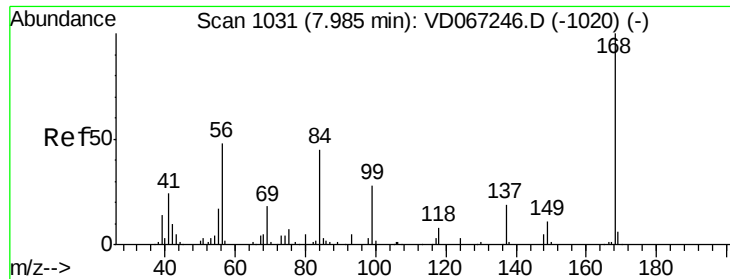
MMDadoda
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#30
Chloroform
Concen: 21.367 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	47.3	70.9





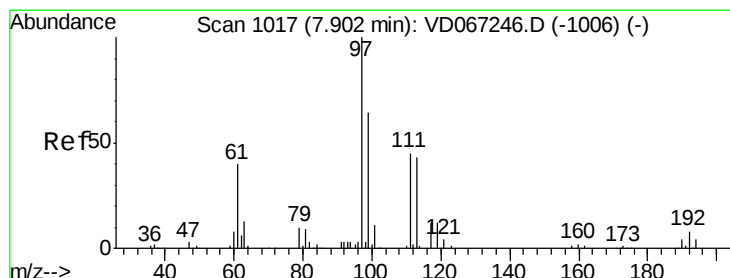
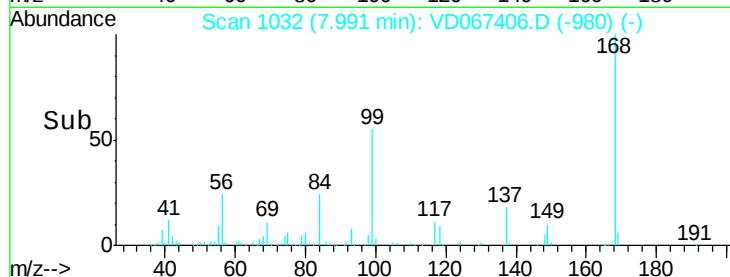
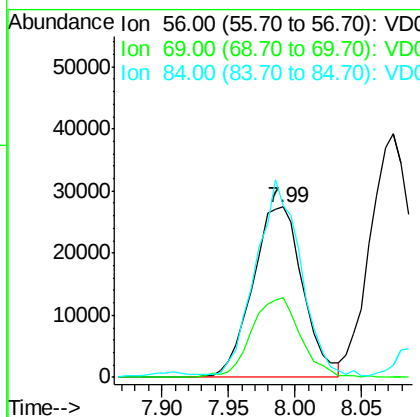
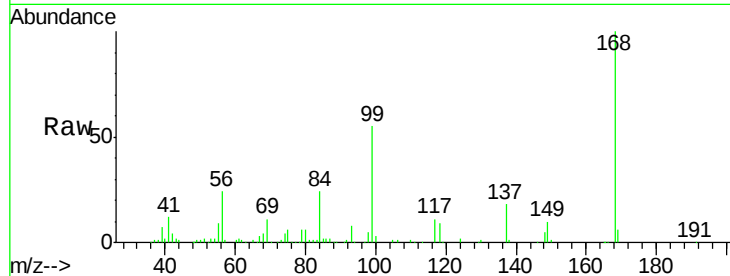
#31
Cyclohexane
Concen: 20.602 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	46.8	29.8	44.6#
84	99.7	76.6	114.8

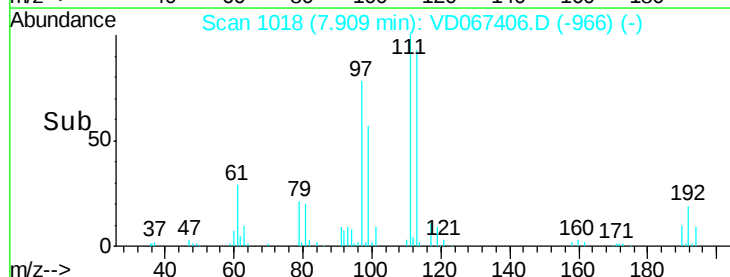
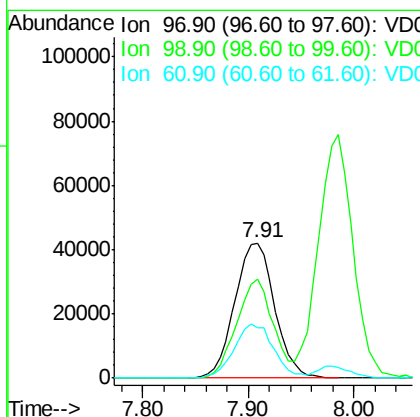
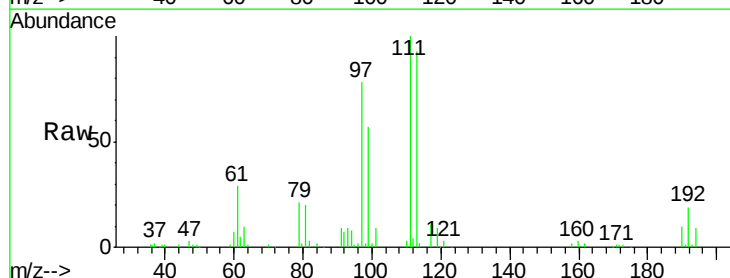
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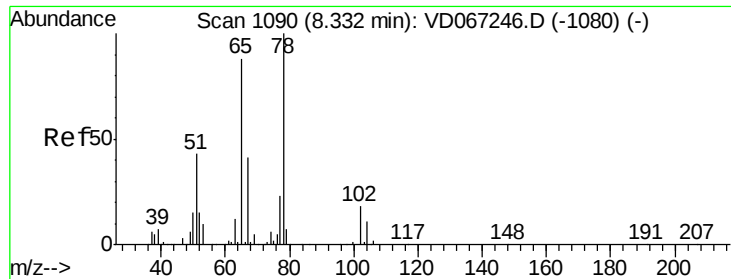
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#32
1,1,1-Trichloroethane
Concen: 21.100 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	50.2	75.4
61	39.3	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 50.327 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 65 Resp: 152382

Ion Ratio Lower Upper

65 100

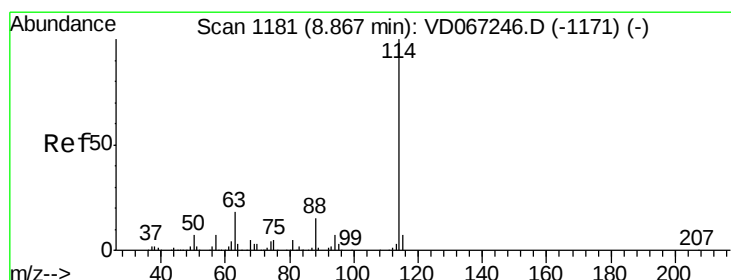
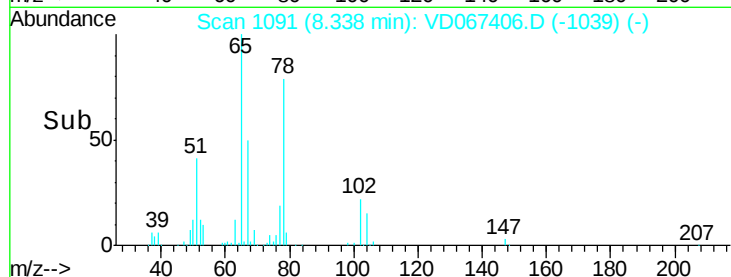
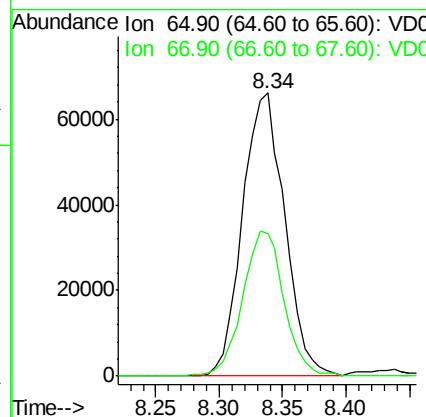
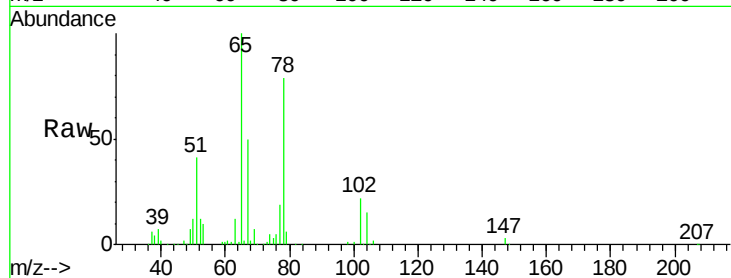
67 50.5 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

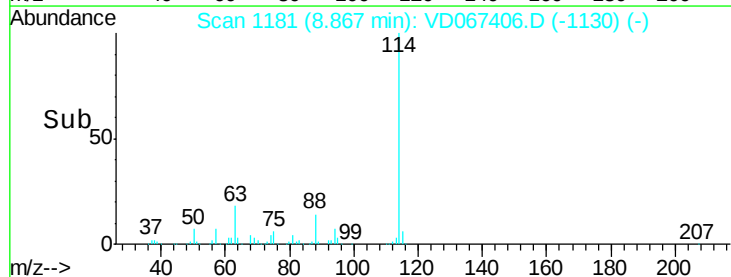
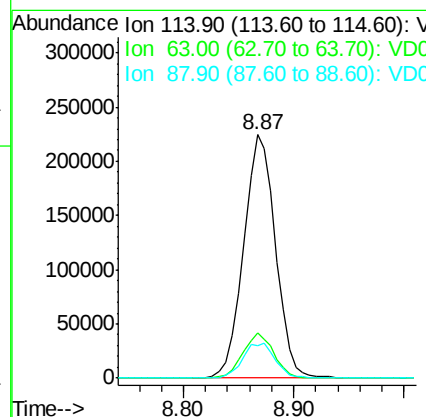
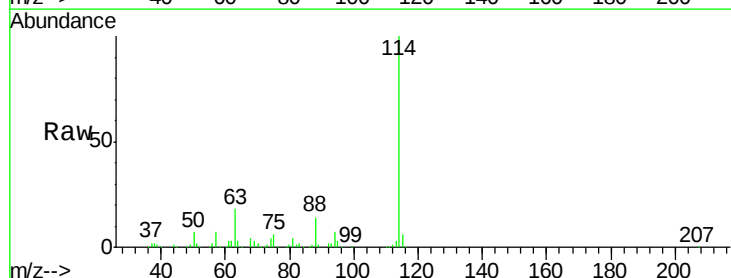
Tgt Ion: 114 Resp: 455107

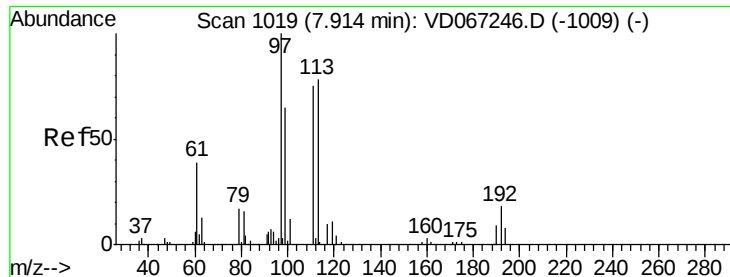
Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

88 13.6 0.0 30.6





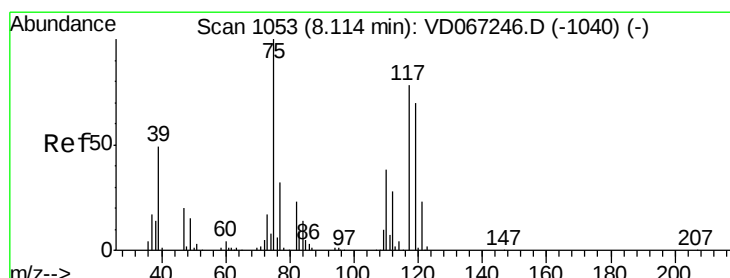
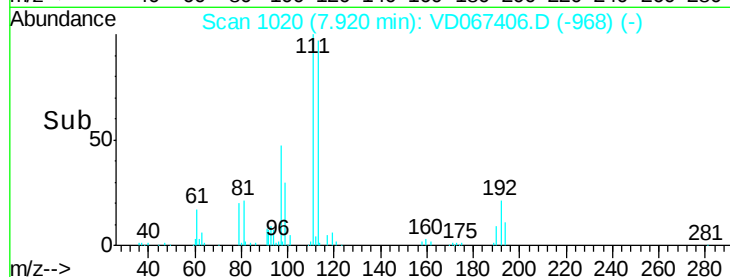
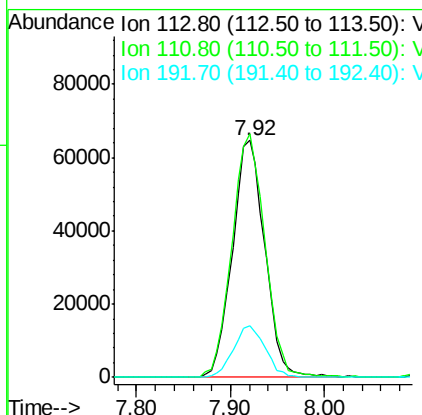
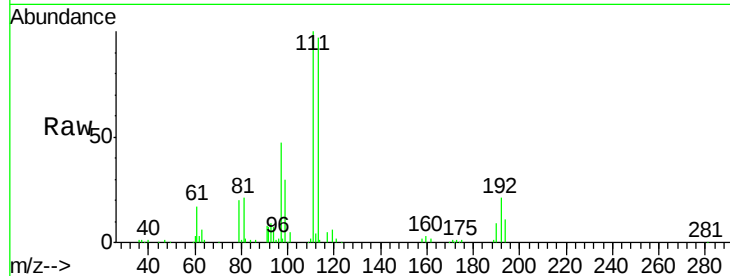
#35
Dibromofluoromethane
Concen: 51.074 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.6	122.4
192	21.5	17.0	25.4

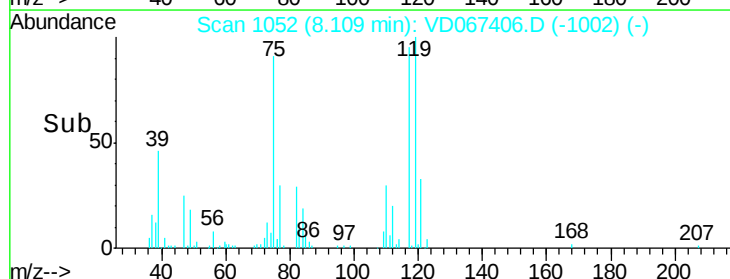
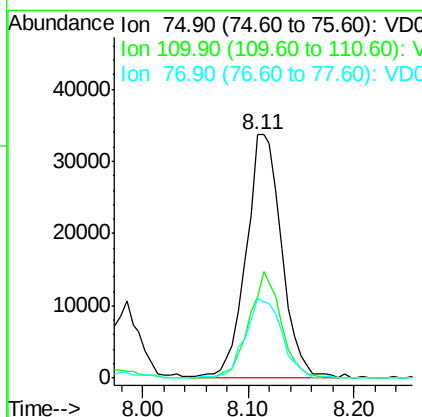
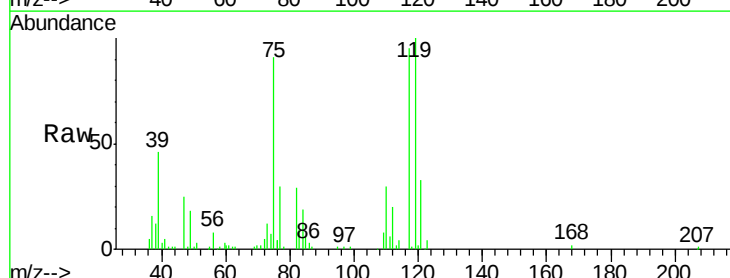
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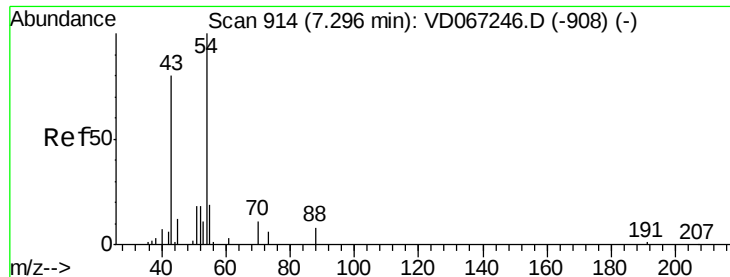
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#36
1,1-Dichloropropene
Concen: 20.544 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.1	19.6	58.7
77	33.4	24.6	37.0





#37

Ethyl Acetate

Concen: 20.003 ug/l

RT: 7.30 min Scan# 914

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

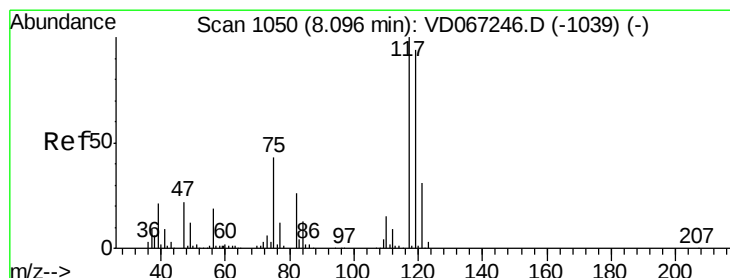
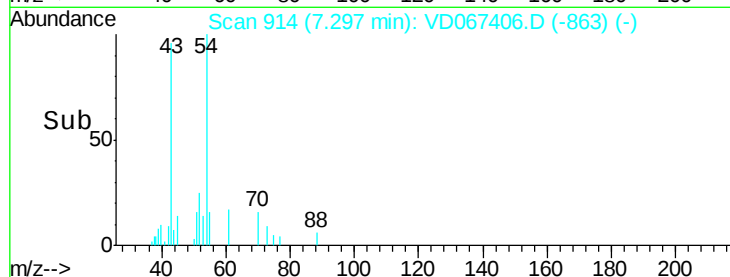
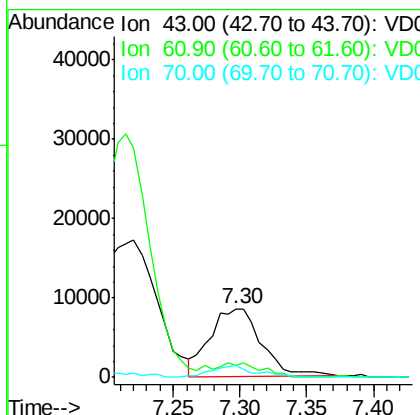
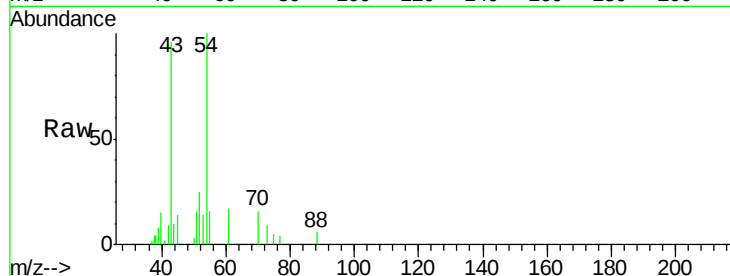
ClientSampleId :

VD1027SBS01

Tot Ion:	43	Resp:	22701
Ion	Ratio	Lower	Upper
43	100		
61	20.6	15.6	23.4
70	15.0	10.4	15.6

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#38

Carbon Tetrachloride

Concen: 21.115 ug/l

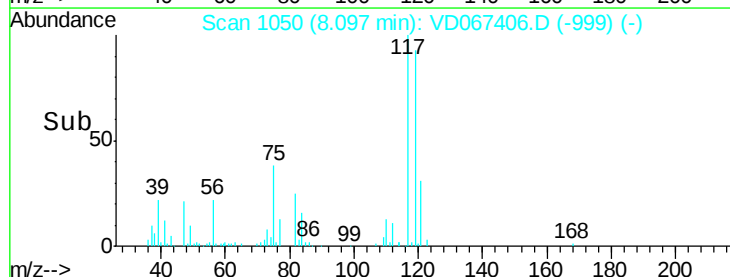
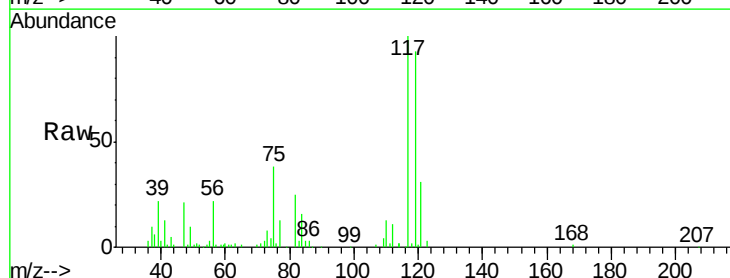
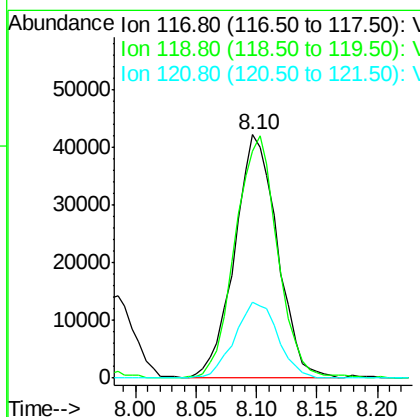
RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Tgt Ion:	117	Resp:	104098
Ion	Ratio	Lower	Upper
117	100		
119	92.2	75.0	112.4
121	31.3	24.9	37.3





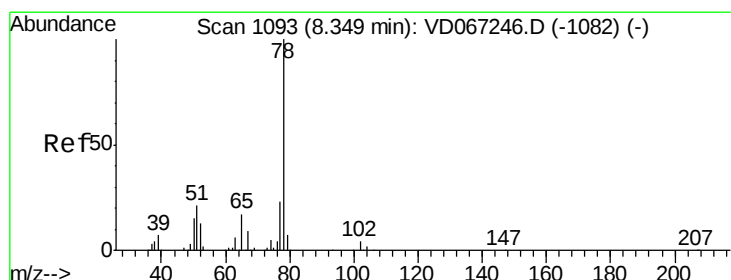
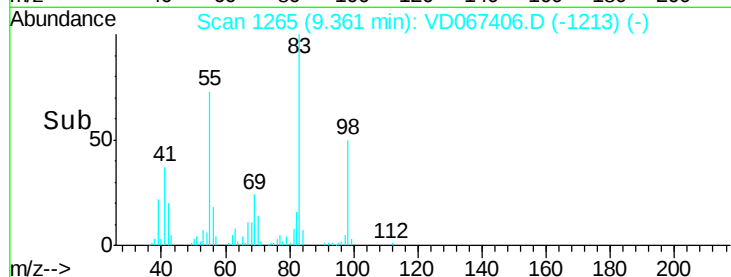
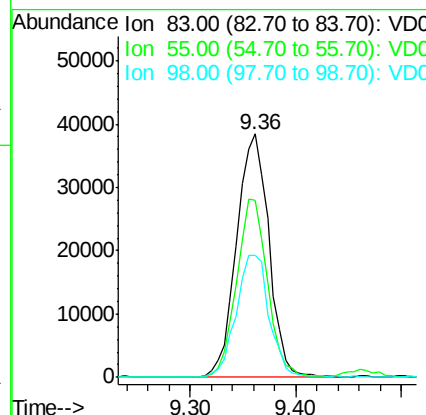
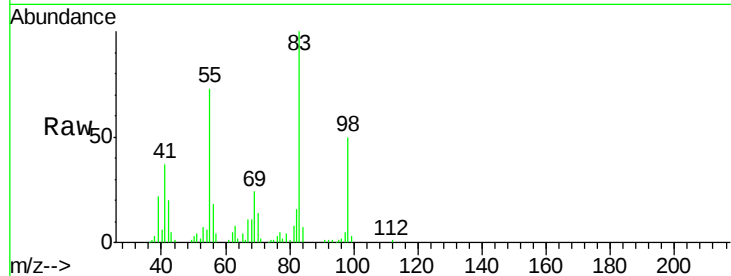
#39
Methvlcvclohexane
Concen: 20.193 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.0	53.3	79.9
98	50.2	41.0	61.4

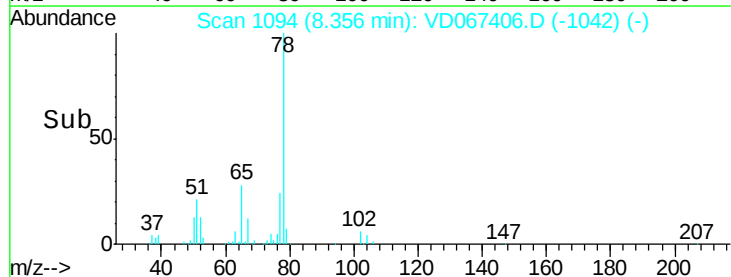
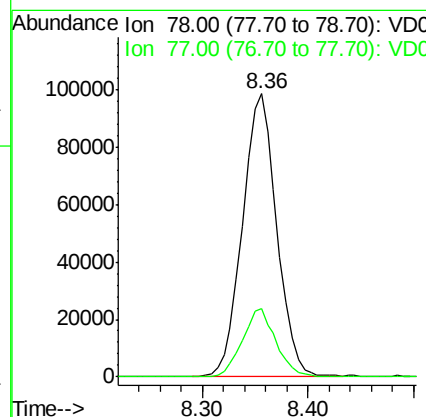
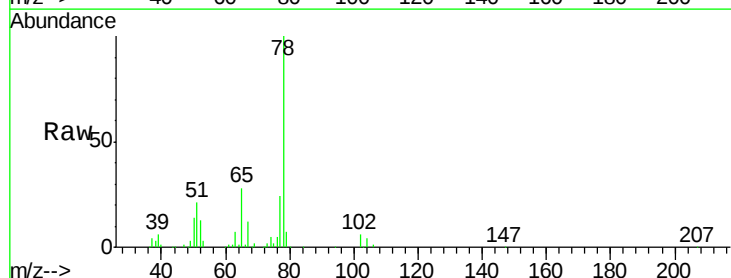
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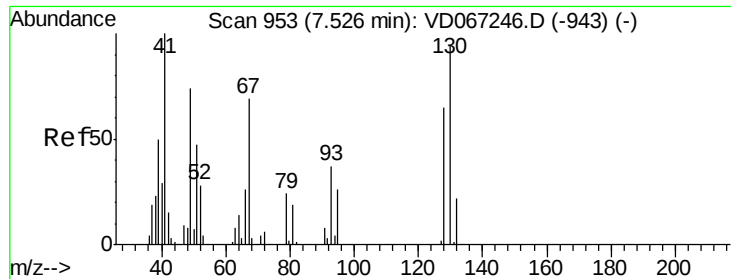
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#40
Benzene
Concen: 20.936 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





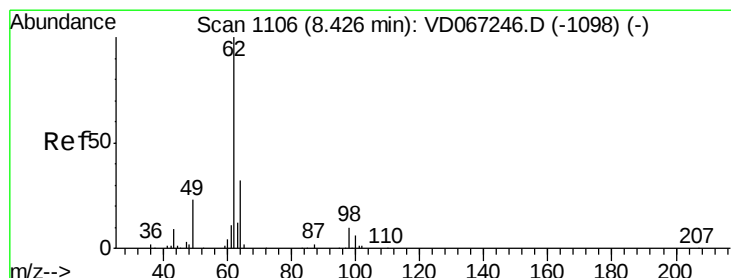
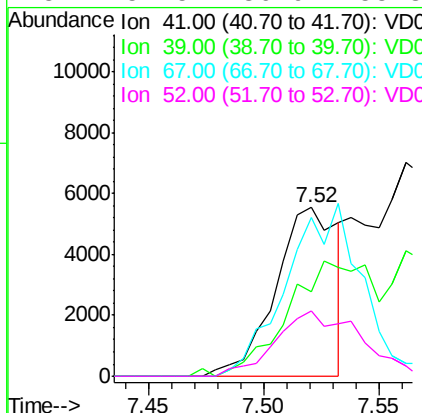
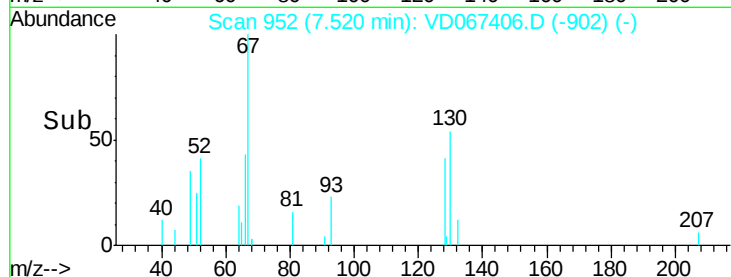
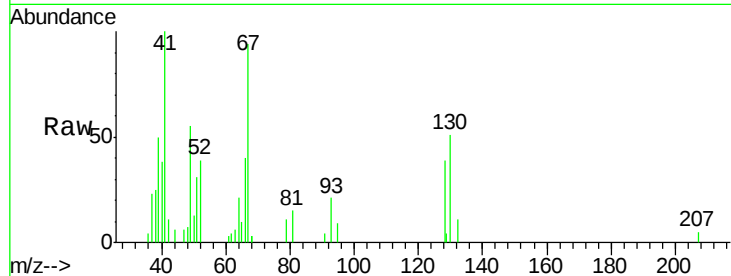
#41
Methacrylonitrile
Concen: 16.829 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	41	Resp	10321
Ion Ratio	Lower	Upper	
41	100		
39	93.8	60.0	90.0#
67	123.3	88.9	133.3
52	52.5	36.9	55.3

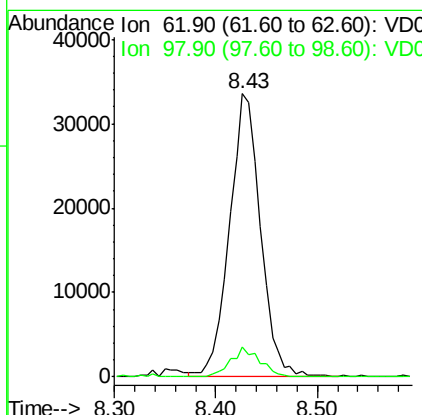
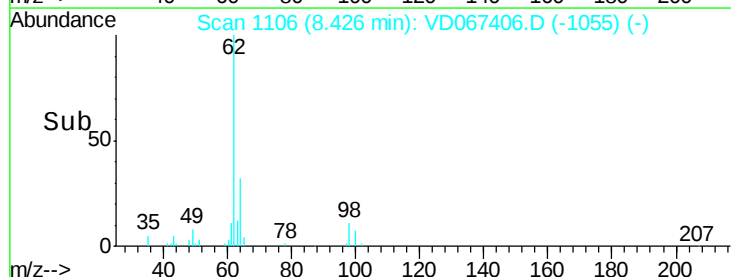
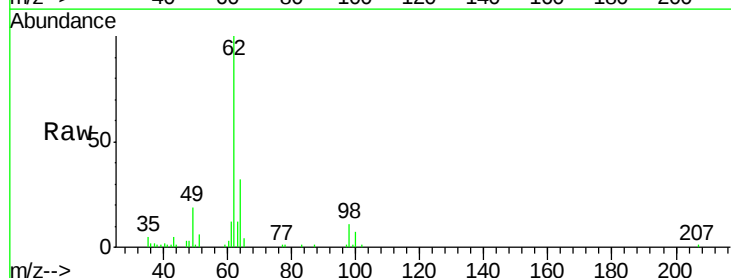
Manual Integrations
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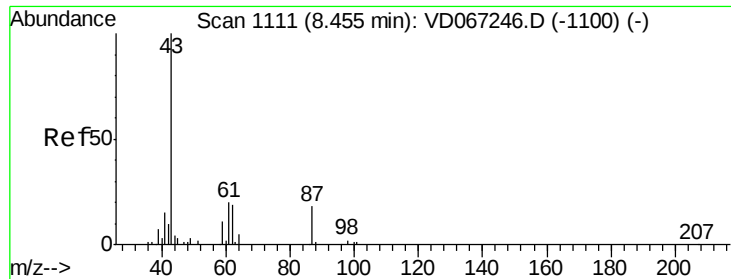
MMDadoda
10/28/2020 11:45:29 AM



#42
1,2-Dichloroethane
Concen: 21.526 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	62	Resp	71288
Ion Ratio	Lower	Upper	
62	100		
98	9.8	0.0	19.4





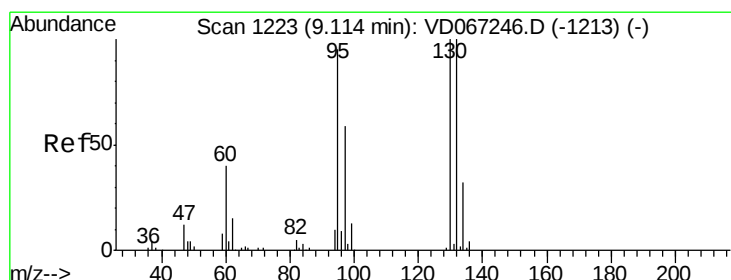
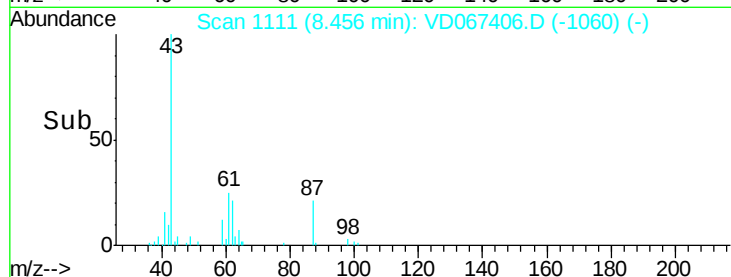
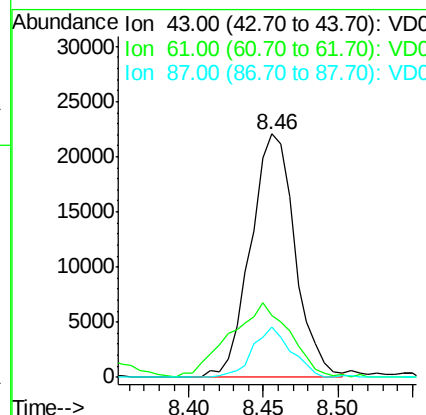
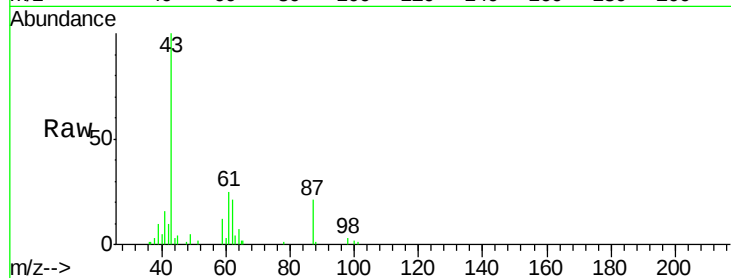
#43
Isopropyl Acetate
Concen: 20.115 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	42.0	29.5	44.3
87	17.8	14.2	21.4

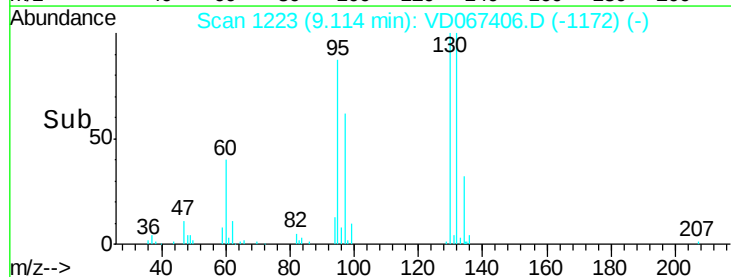
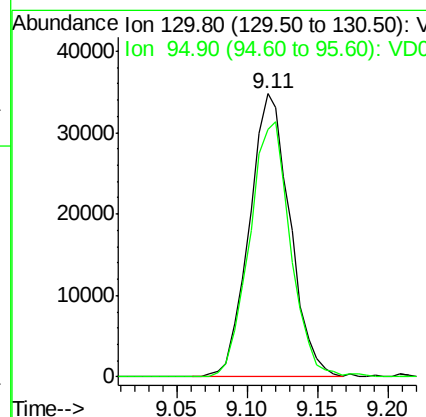
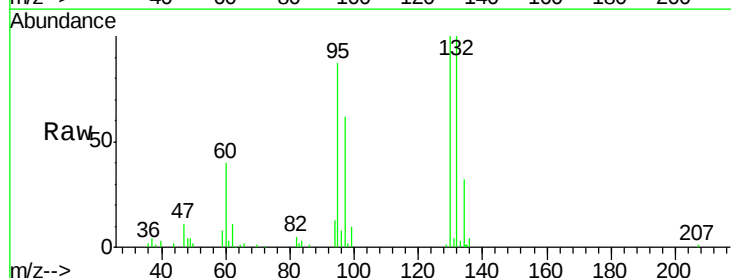
Manual Integrations
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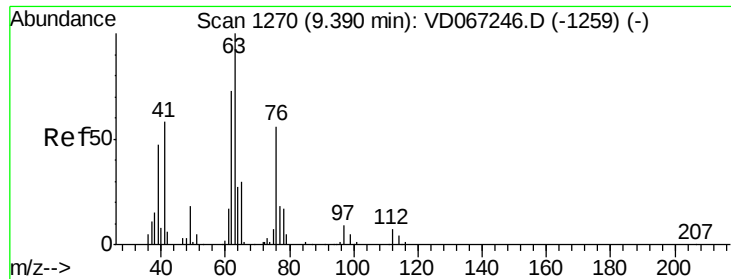
MMDadoda
10/28/2020 11:45:29 AM



#44
Trichloroethene
Concen: 20.752 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	190.6





#45

1,2-Dichloropropane

Concen: 20.609 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 63 Resp: 50544

Ion Ratio Lower Upper

63 100

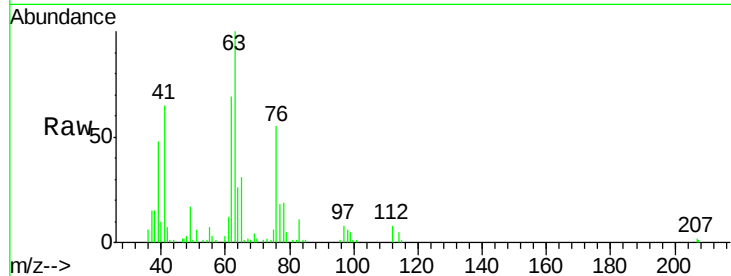
65 31.3 24.6 36.8

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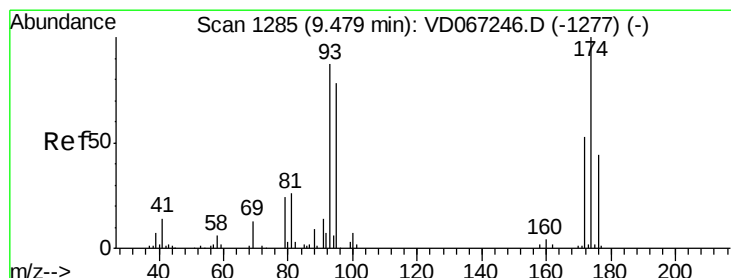
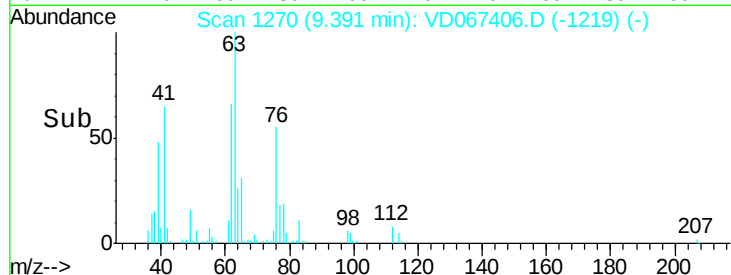
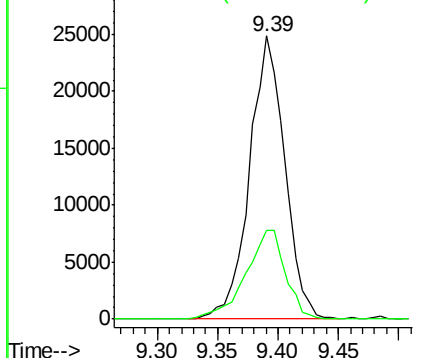
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.341 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

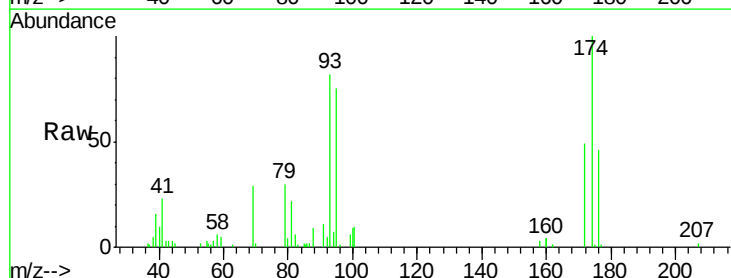
Tgt Ion: 93 Resp: 31081

Ion Ratio Lower Upper

93 100

95 82.1 68.0 102.0

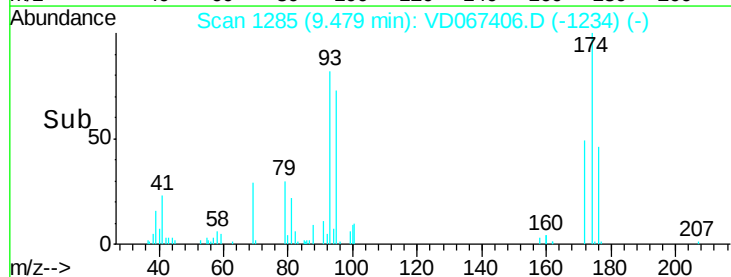
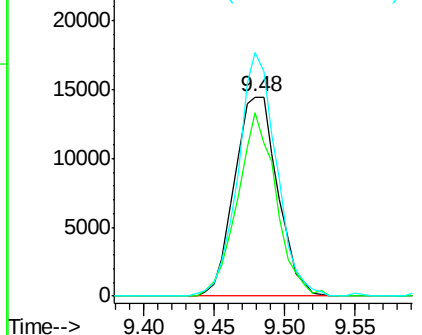
174 108.6 91.8 137.6

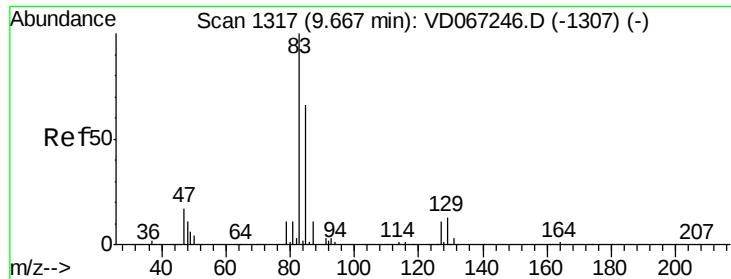


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.407 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

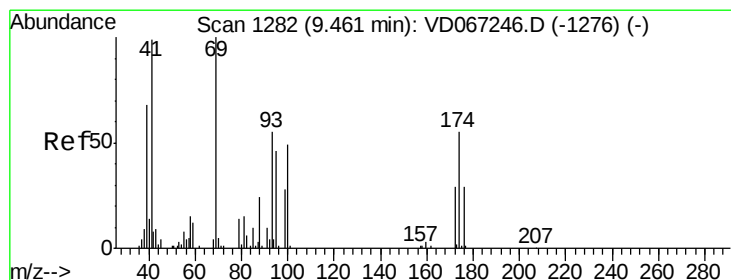
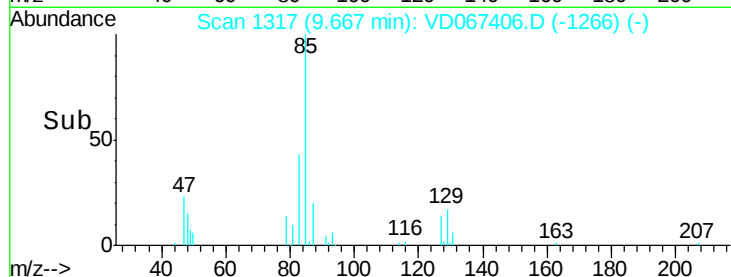
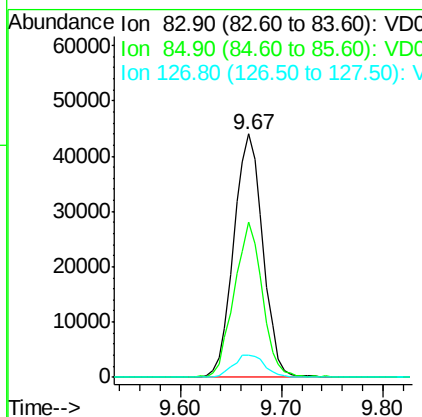
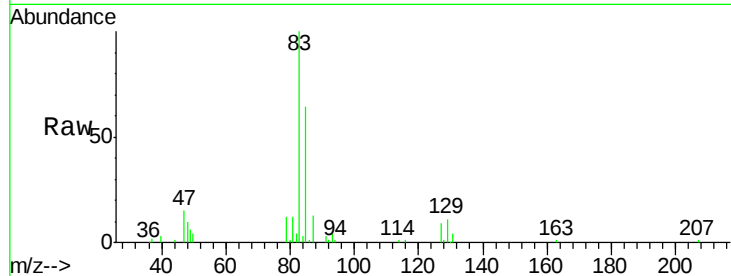
ClientSampleId :

VD1027SBS01

Tot Ion:	83	Resp:	87639
Ion Ratio	Lower	Upper	
83	100		
85	63.7	53.1	79.7
127	9.0	8.6	13.0

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#48

Methyl methacrylate

Concen: 18.894 ug/l

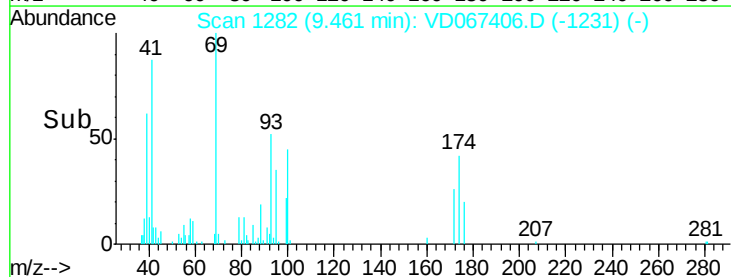
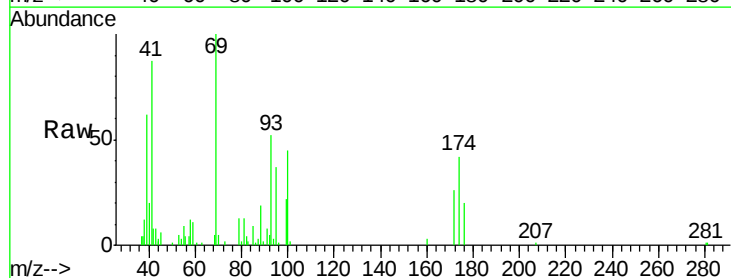
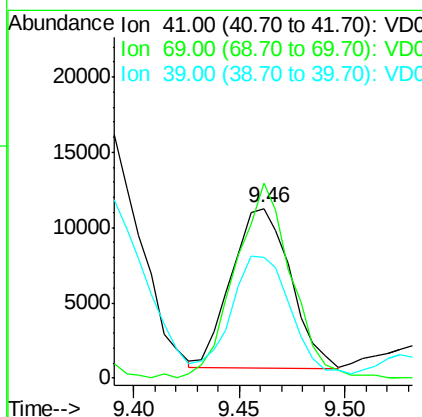
RT: 9.46 min Scan# 1282

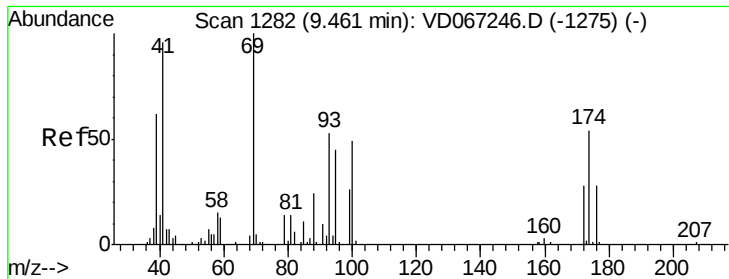
Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Tgt Ion:	41	Resp:	20677
Ion Ratio	Lower	Upper	
41	100		
69	115.6	89.0	133.6
39	79.3	60.2	90.2





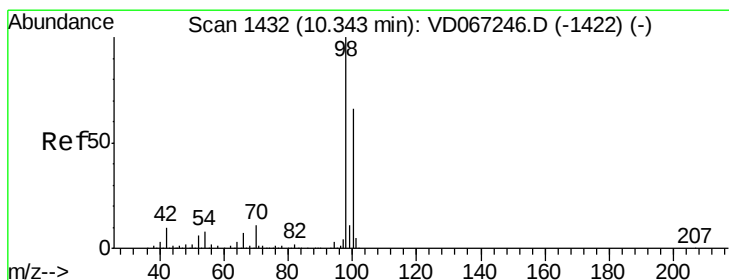
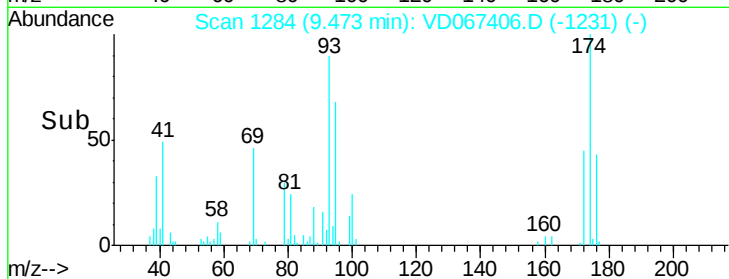
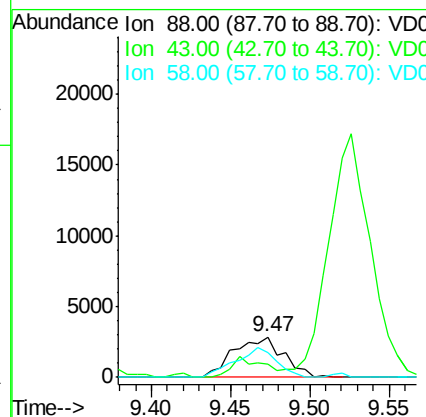
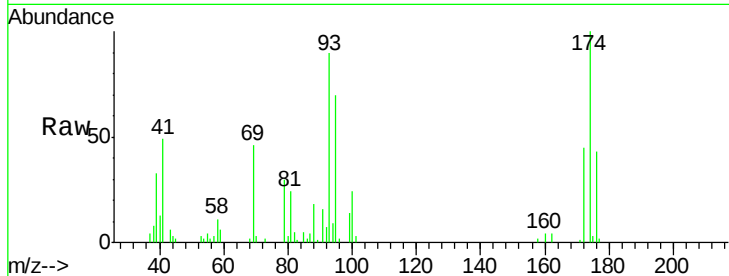
#49
1,4-Dioxane
Concen: 396.210 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBSD01

Tot Ion	88	Resp	6130
Ion Ratio	100	Lower	Upper
88	100		
43	32.7	23.9	35.9
58	61.5	51.0	76.6

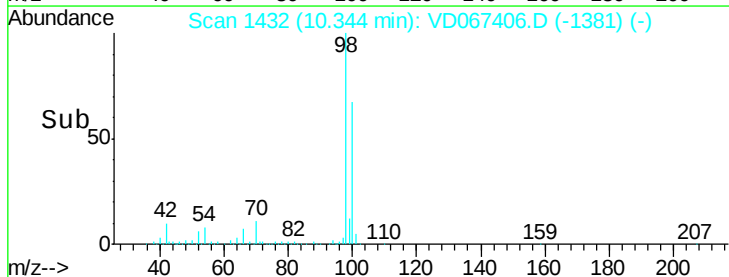
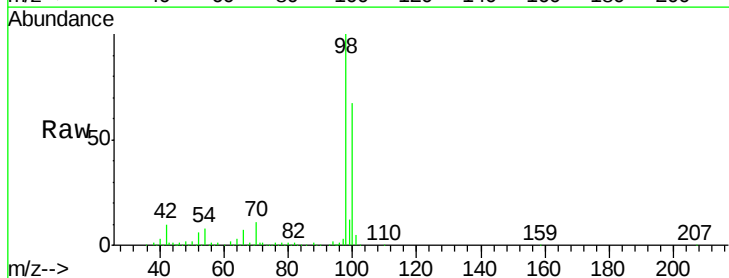
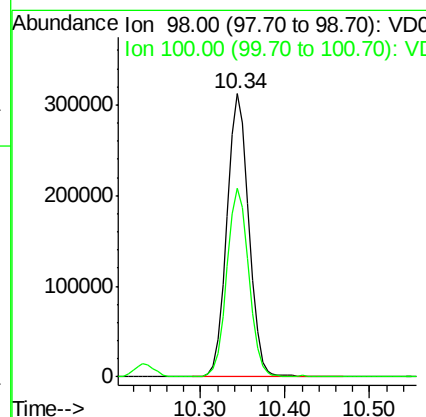
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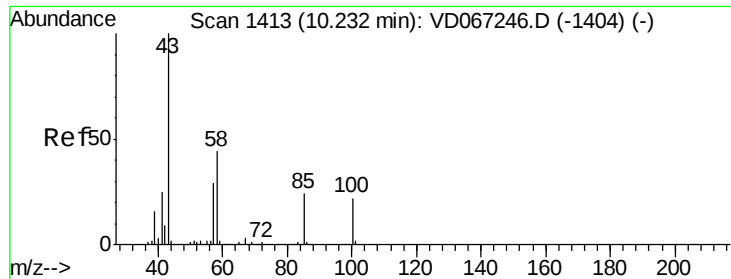
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#50
Toluene-d8
Concen: 51.025 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	98	Resp	559273
Ion Ratio	100	Lower	Upper
98	100		
100	66.8	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 103.522 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 43 Resp: 116275

Ion Ratio Lower Upper

43 100

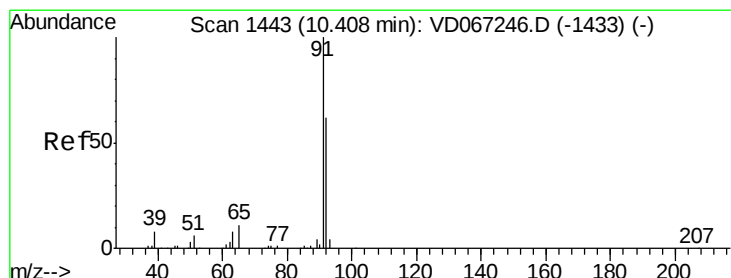
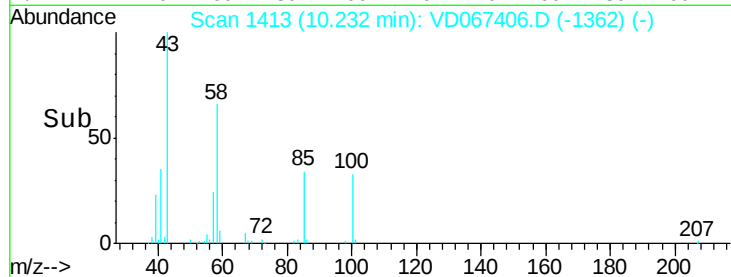
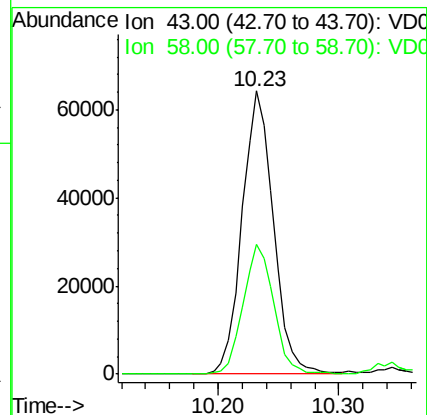
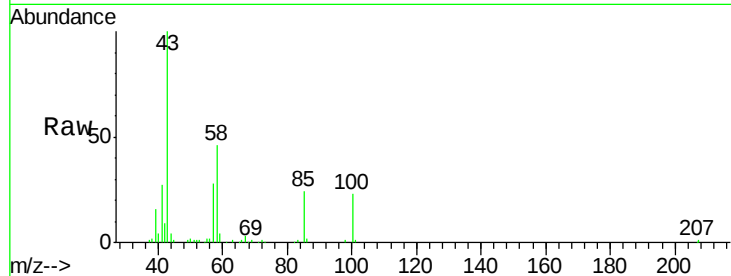
58 44.7 35.7 53.5

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#52

Toluene

Concen: 21.633 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067406.D

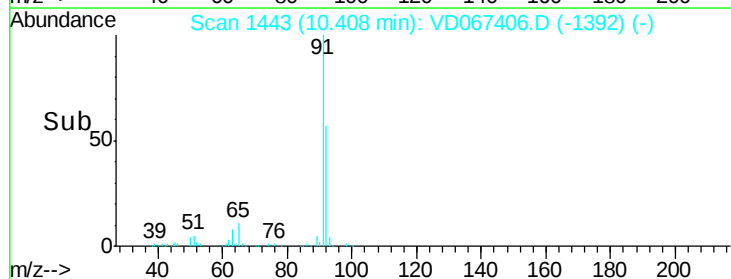
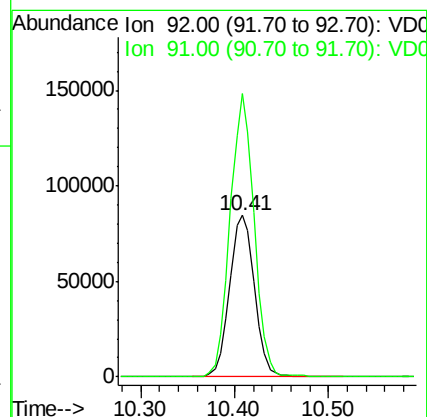
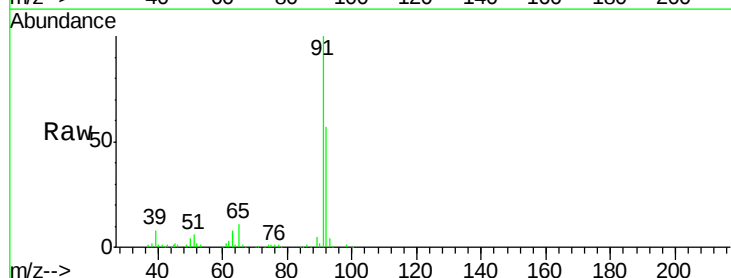
Acq: 27 Oct 2020 12:44

Tgt Ion: 92 Resp: 155918

Ion Ratio Lower Upper

92 100

91 168.6 133.8 200.8





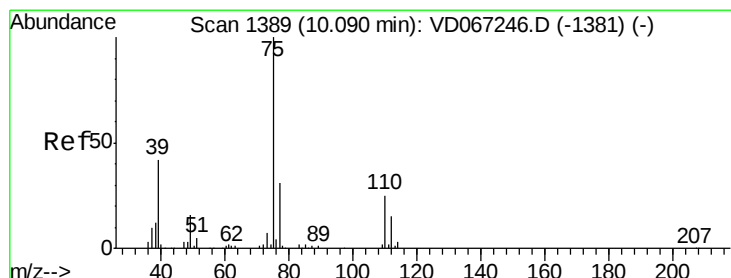
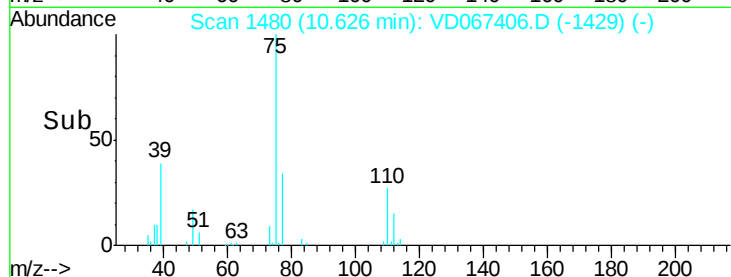
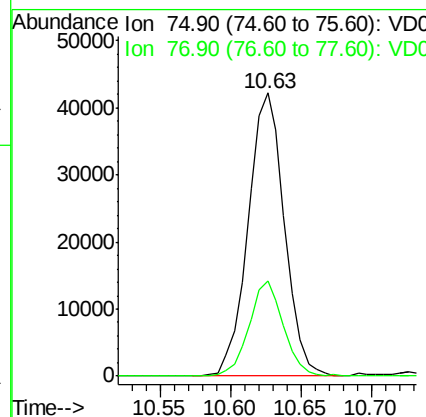
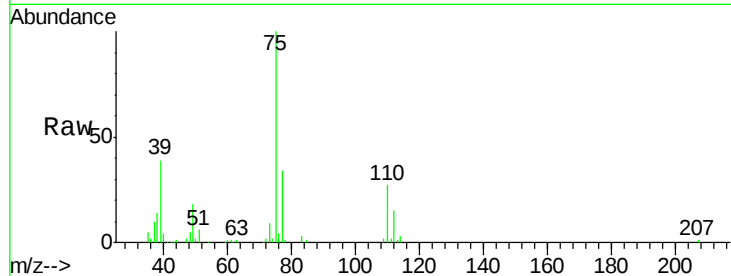
#53
t-1,3-Dichloropropene
Concen: 21.113 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	75	Resp	75931
Ion Ratio	Lower	Upper	
75	100		
77	33.6	26.5	39.7

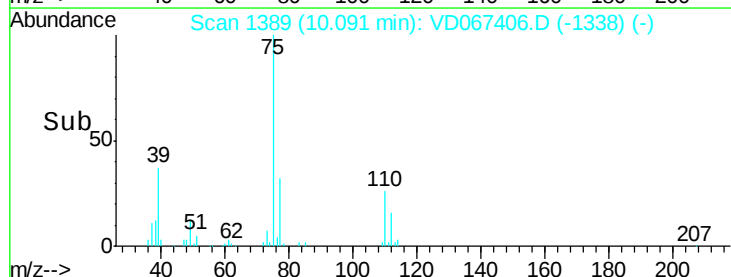
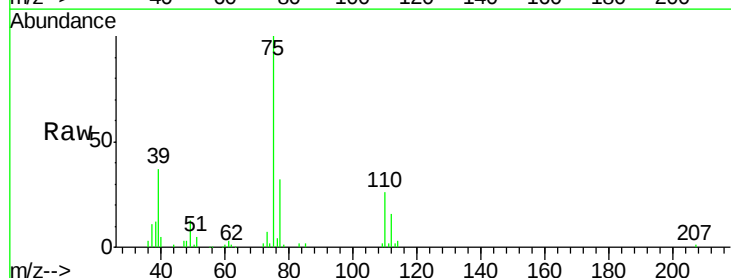
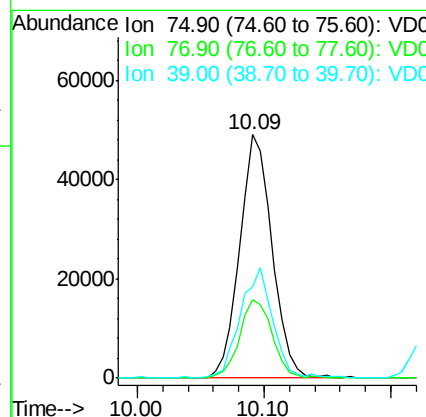
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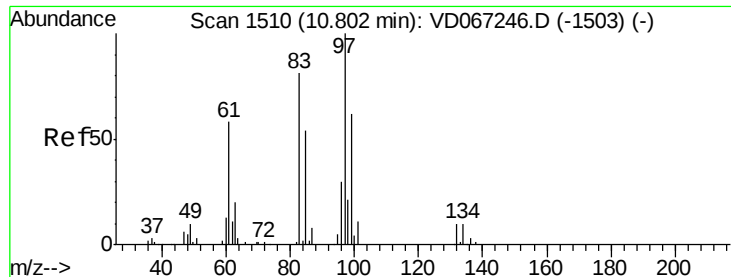
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#54
cis-1,3-Dichloropropene
Concen: 20.603 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	75	Resp	86713
Ion Ratio	Lower	Upper	
75	100		
77	32.1	24.5	36.7
39	37.3	33.7	50.5





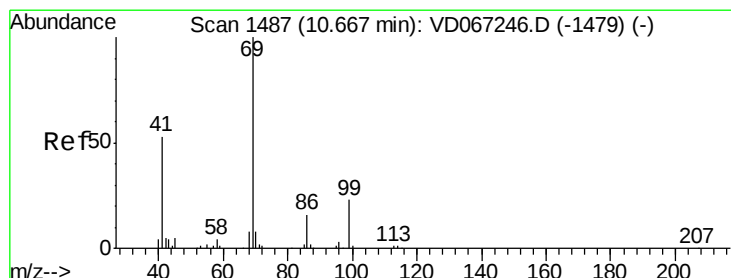
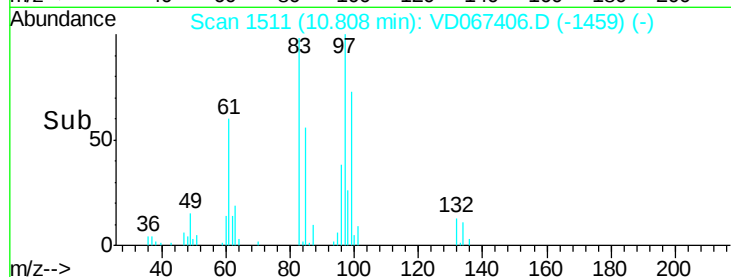
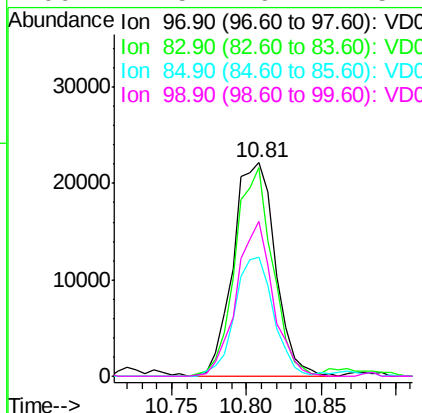
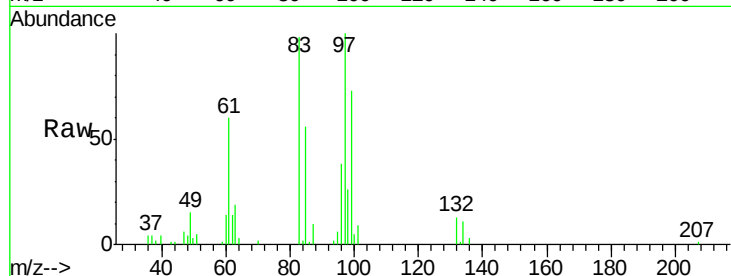
#55
 1,1,2-Trichloroethane
 Concen: 20.871 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	97.9	64.9	97.3#
85	55.5	43.3	64.9
99	72.5	49.1	73.7

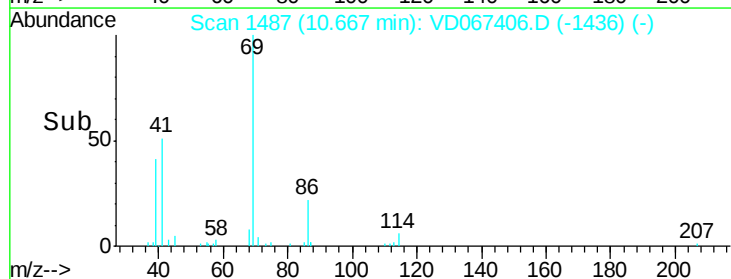
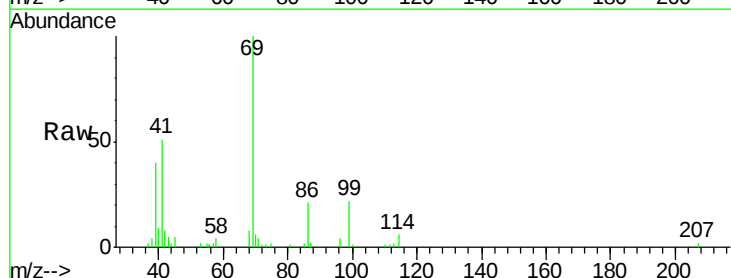
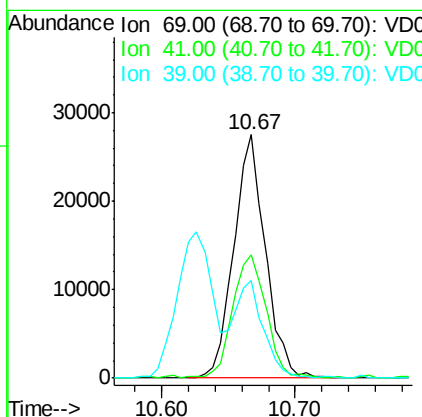
Manual Integrations
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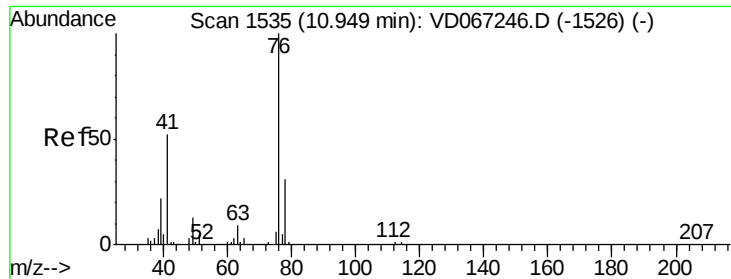
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#56
 Ethyl methacrylate
 Concen: 20.925 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
69	100		
41	53.9	44.7	67.1
39	34.4	26.2	39.2





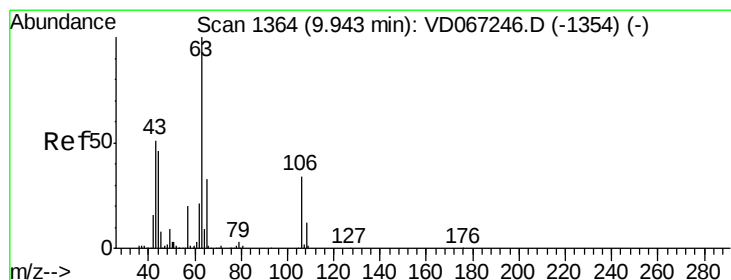
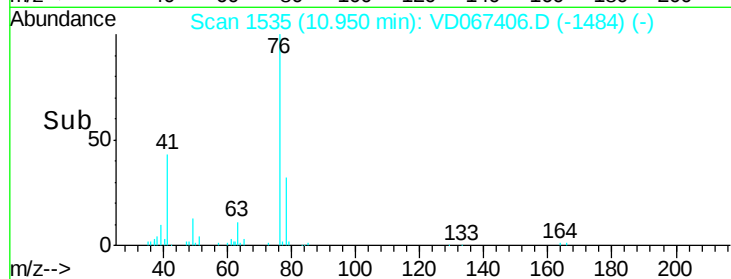
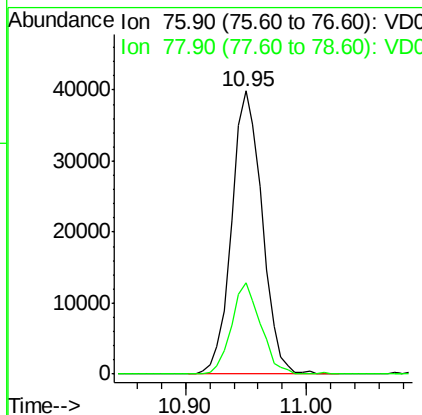
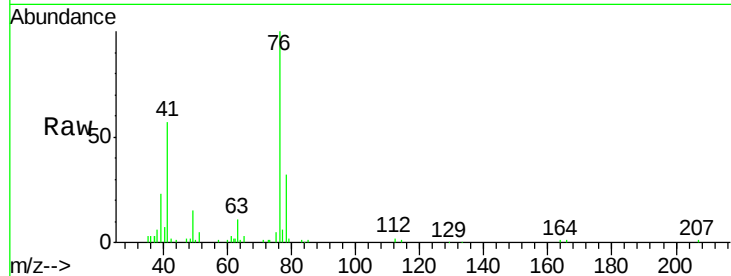
#57
 1,3-Dichloropropane
 Concen: 21.076 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion: 76 Resp: 69890
 Ion Ratio Lower Upper
 76 100
 78 30.8 26.8 40.2

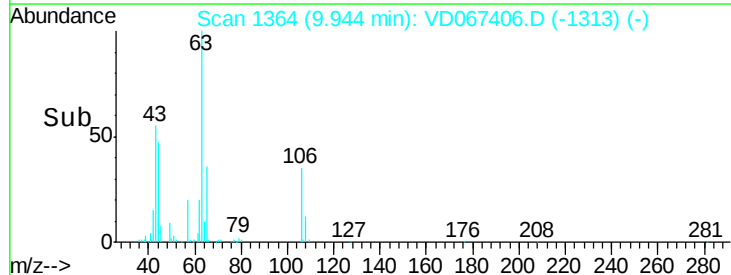
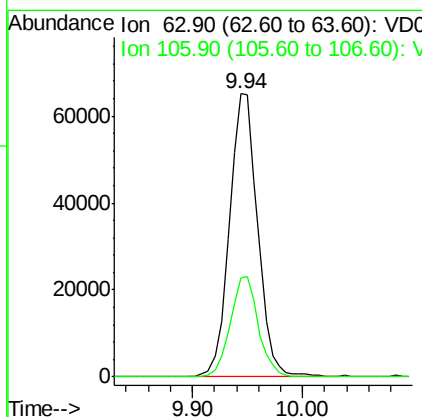
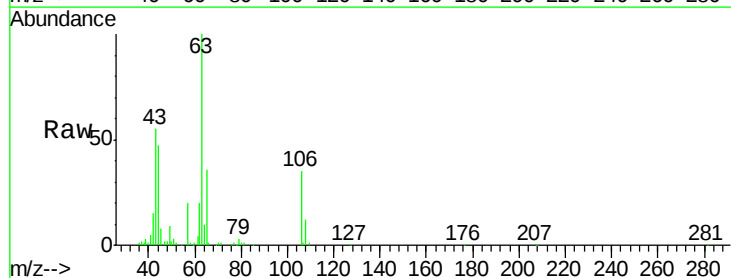
Manual Integrations
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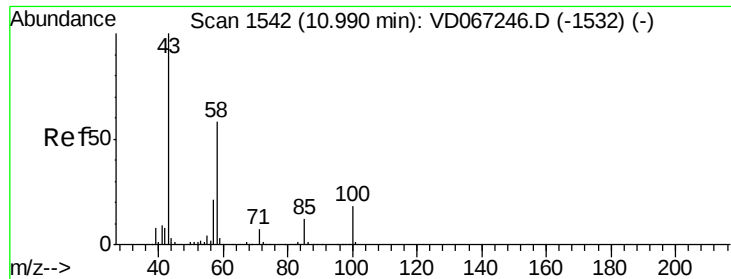
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#58
 2-Chloroethyl Vinyl ether
 Concen: 105.442 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Tgt Ion: 63 Resp: 116892
 Ion Ratio Lower Upper
 63 100
 106 35.2 27.8 41.6





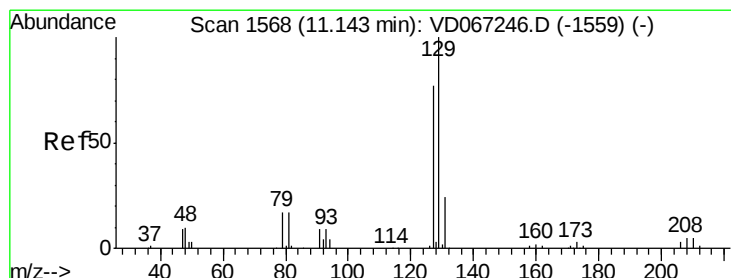
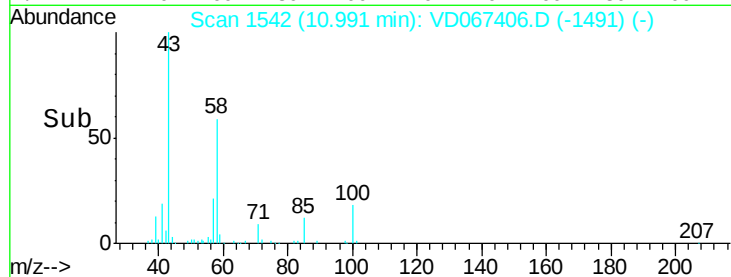
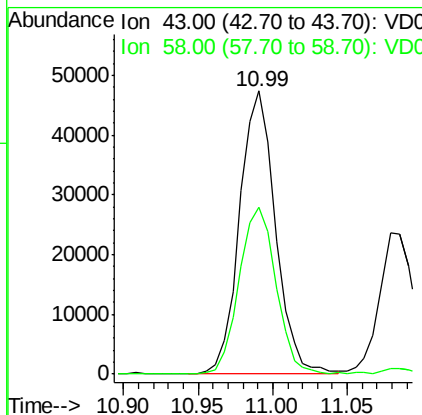
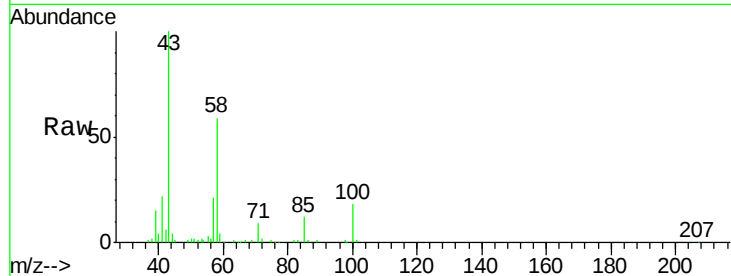
#59
2-Hexanone
Concen: 102.991 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBSD01

Tot Ion: 43 Resp: 79047
Ion Ratio Lower Upper
43 100
58 60.8 29.3 87.9

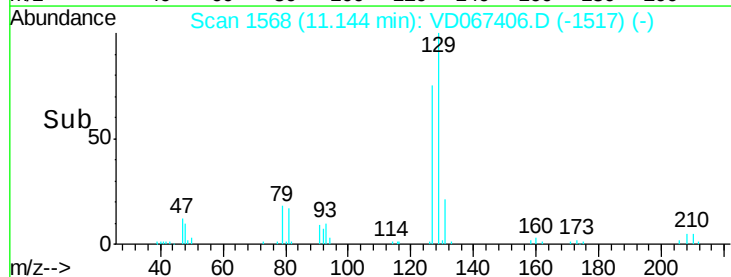
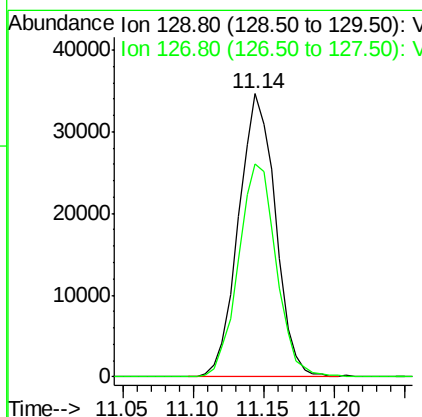
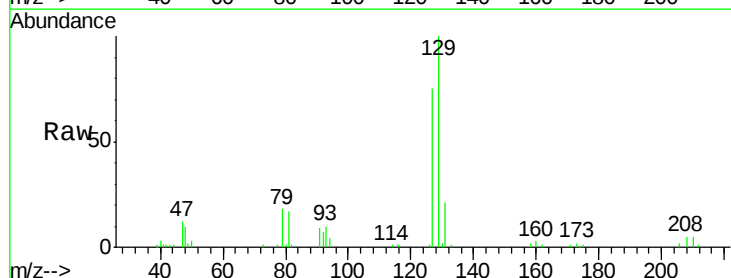
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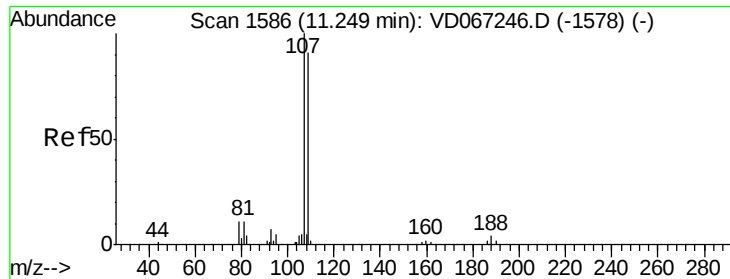
MMDadoda
10/28/2020 11:45:29 AM



#60
Dibromochloromethane
Concen: 20.843 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion: 129 Resp: 63338
Ion Ratio Lower Upper
129 100
127 77.3 38.3 114.8





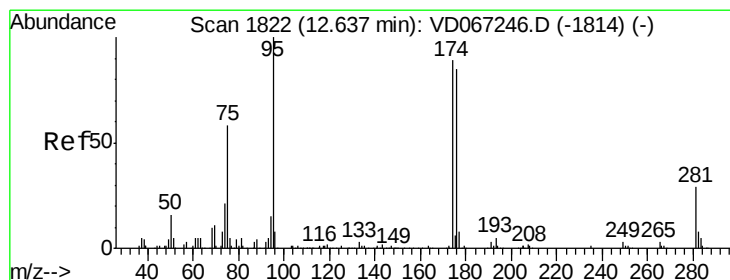
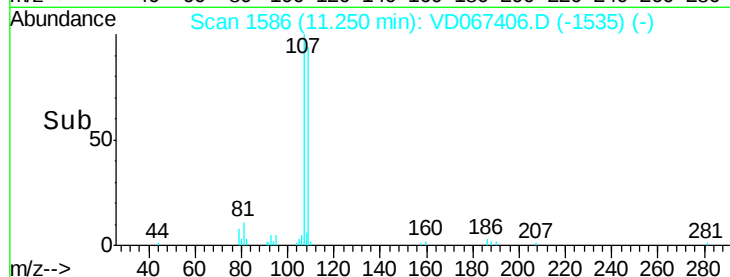
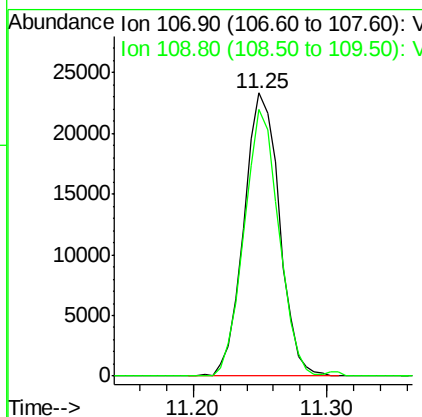
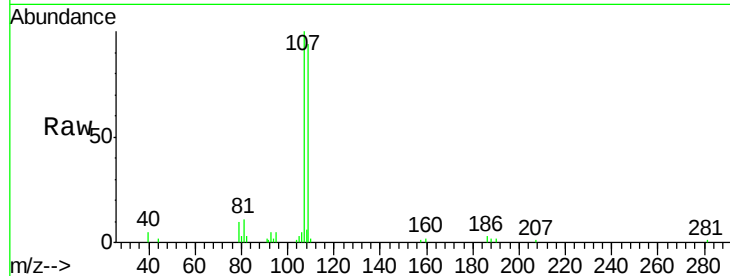
#61
 1,2-Dibromoethane
 Concen: 20.790 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBSD01

Tot Ion: 107 Resp: 42707
 Ion Ratio Lower Upper
 107 100
 109 92.2 74.6 112.0

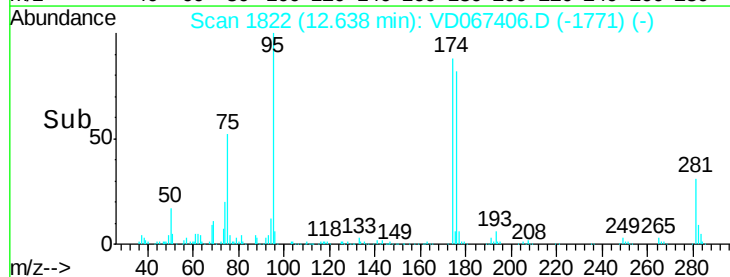
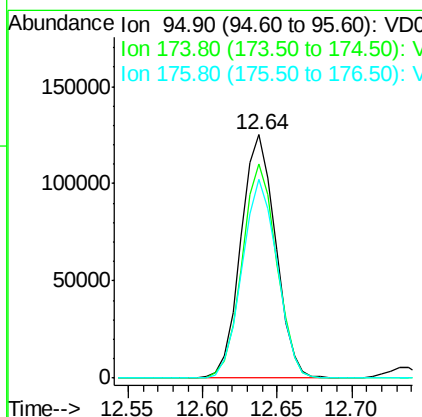
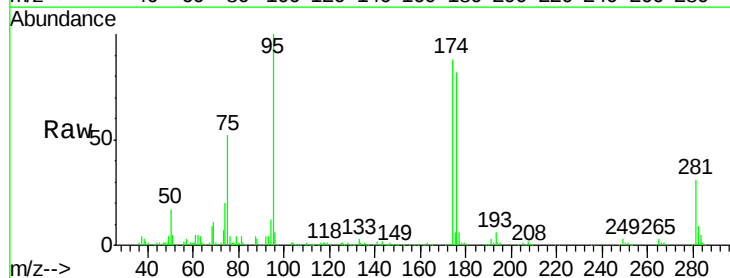
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#62
 4-Bromofluorobenzene
 Concen: 53.032 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Tgt Ion: 95 Resp: 202122
 Ion Ratio Lower Upper
 95 100
 174 87.0 0.0 175.2
 176 82.4 0.0 168.6





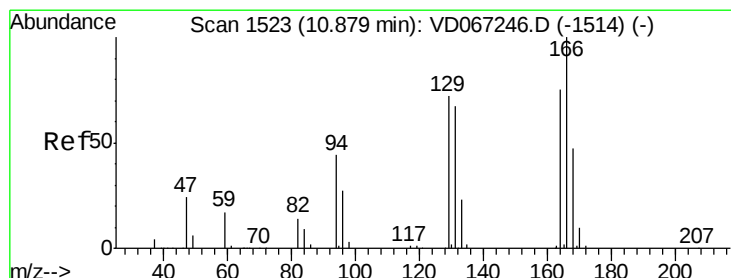
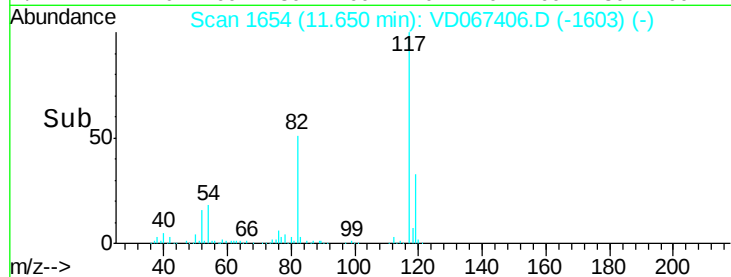
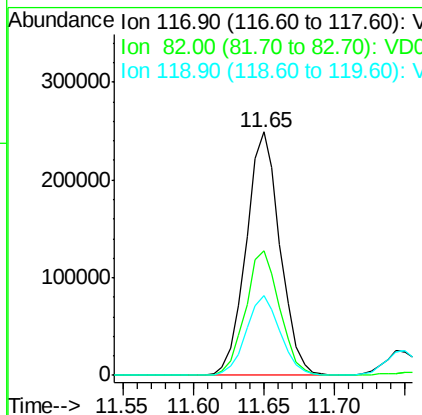
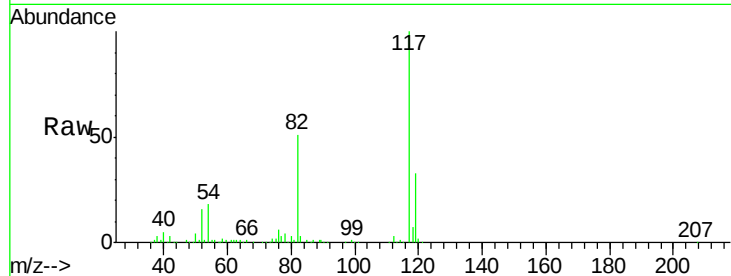
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	39.9	59.9
119	32.7	24.9	37.3

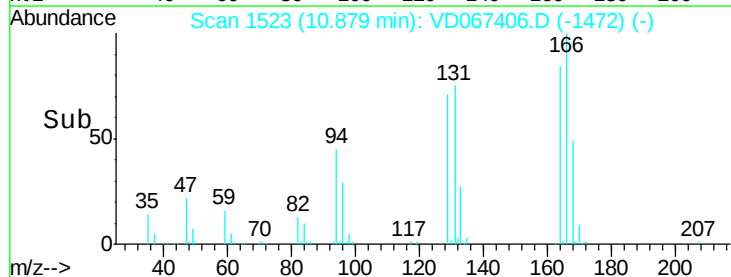
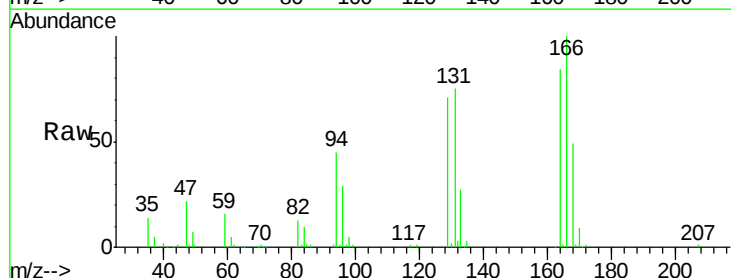
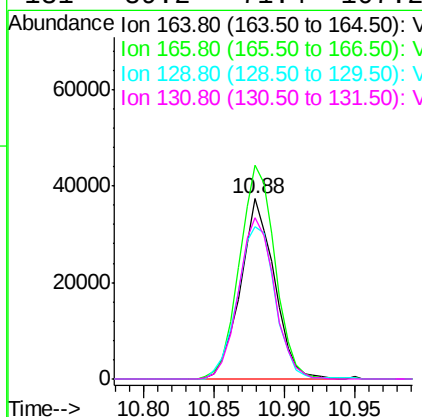
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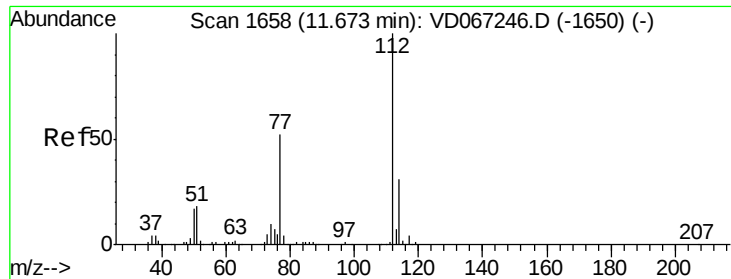
MMDadoda
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#64
Tetrachloroethene
Concen: 20.803 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.4	107.3	160.9
129	84.2	77.3	115.9
131	89.2	71.4	107.2





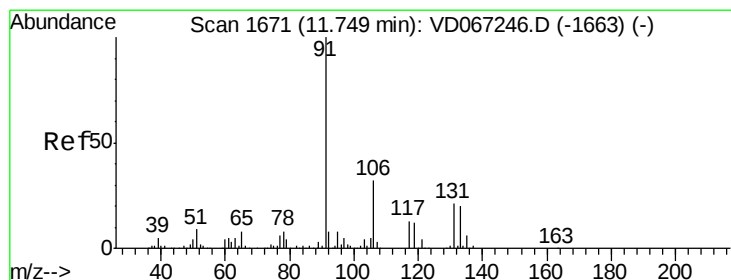
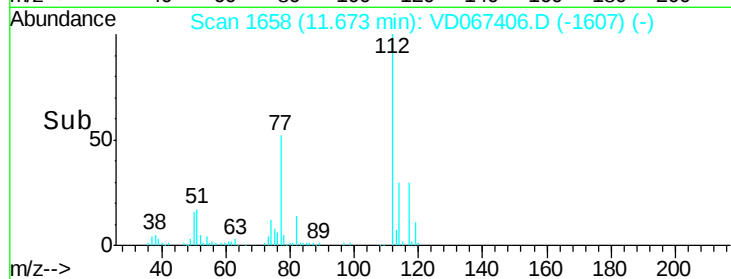
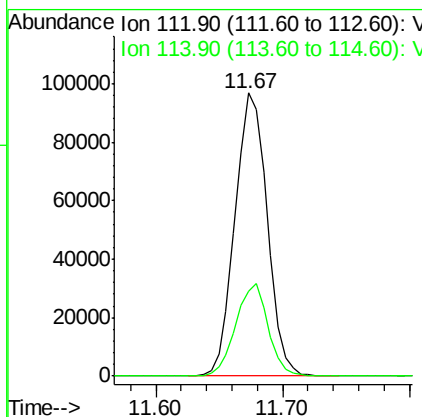
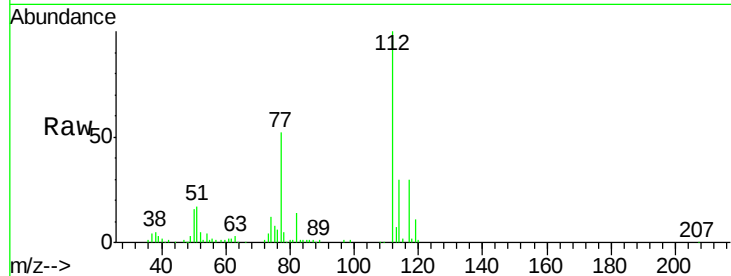
#65
Chlorobenzene
Concen: 21.233 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion:112 Resp: 170978
Ion Ratio Lower Upper
112 100
114 30.1 25.0 37.4

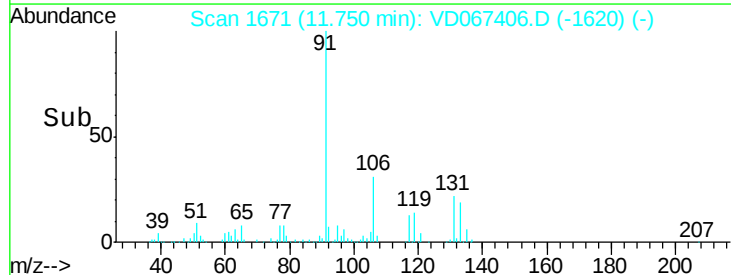
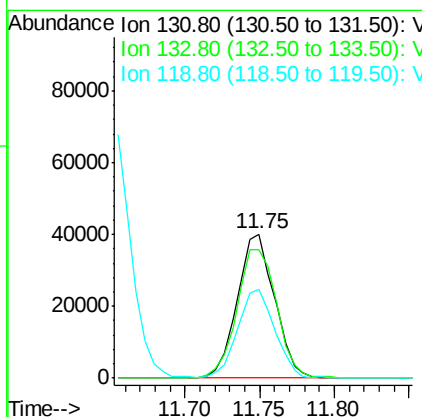
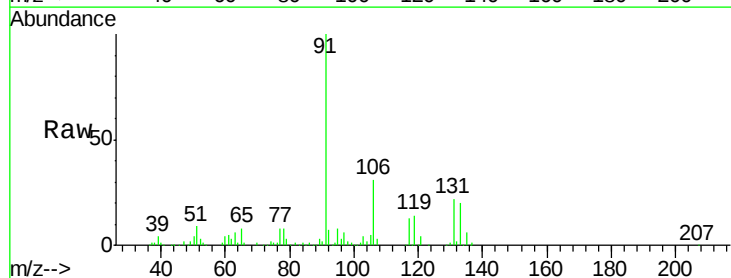
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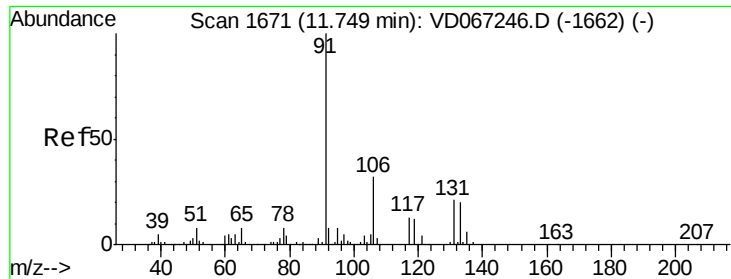
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.639 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion:131 Resp: 69252
Ion Ratio Lower Upper
131 100
133 96.0 48.1 144.3
119 61.8 30.0 90.0





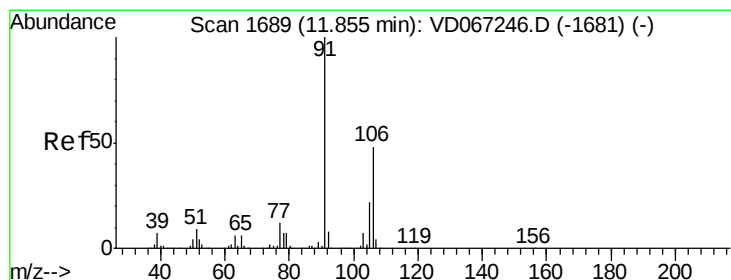
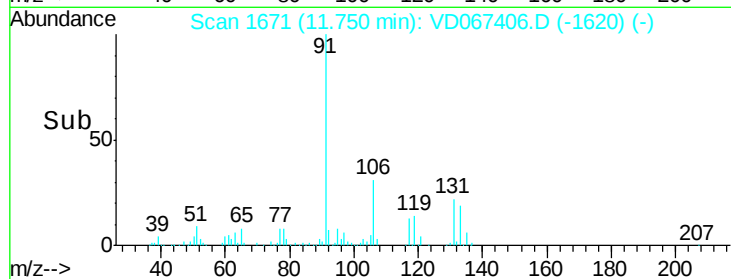
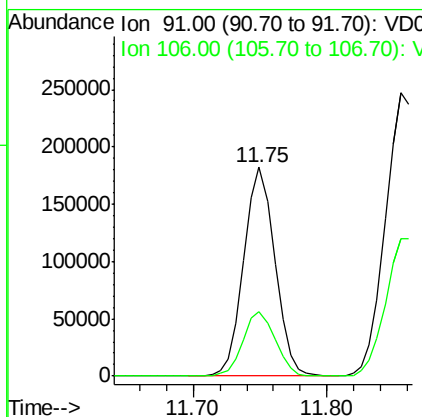
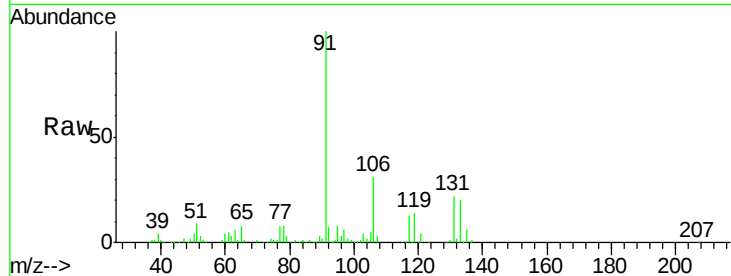
#67
Ethyl Benzene
Concen: 21.387 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion: 91 Resp: 295211
Ion Ratio Lower Upper
91 100
106 30.9 25.4 38.0

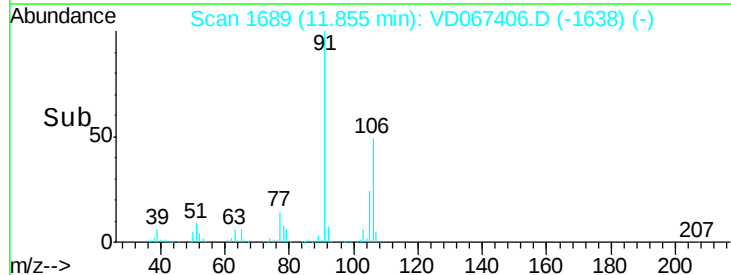
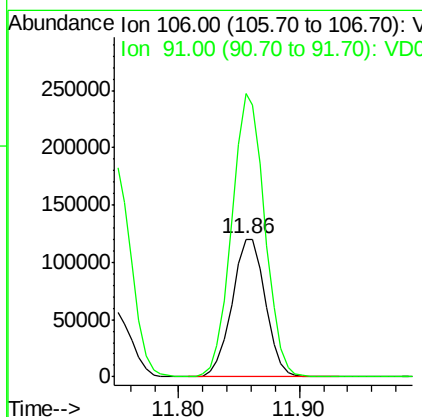
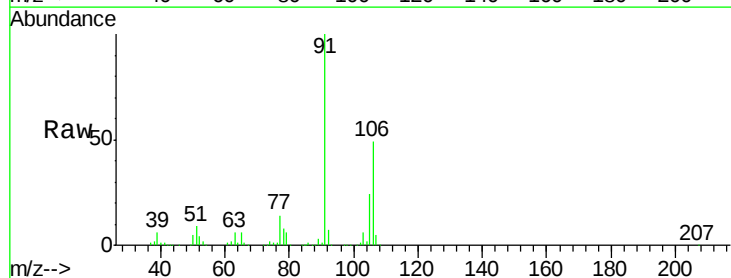
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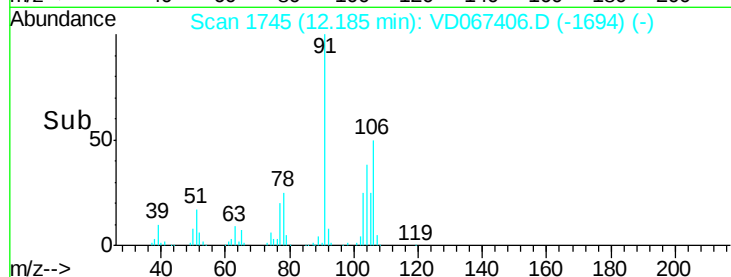
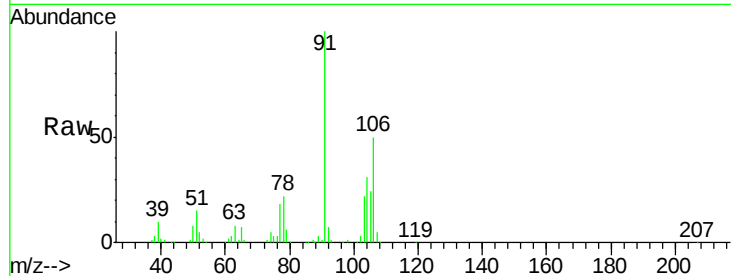
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#68
m/p-Xylenes
Concen: 43.479 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion: 106 Resp: 231109
Ion Ratio Lower Upper
106 100
91 202.6 163.8 245.8





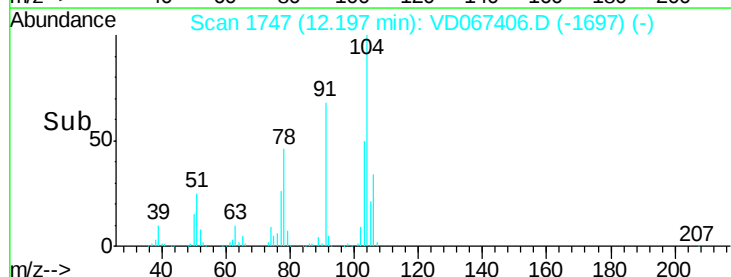
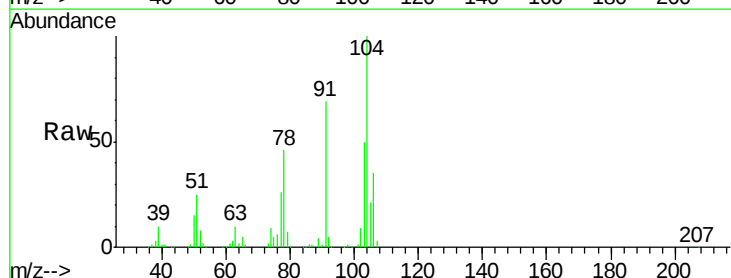
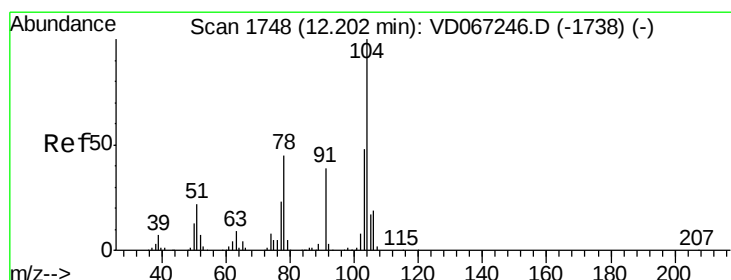
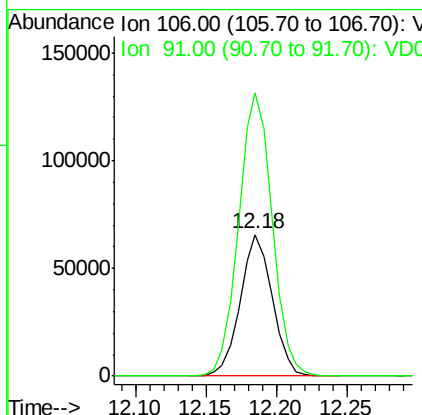
#69
o-Xylene
Concen: 21.221 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		104453		
91	209.0	109.1	327.3		

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

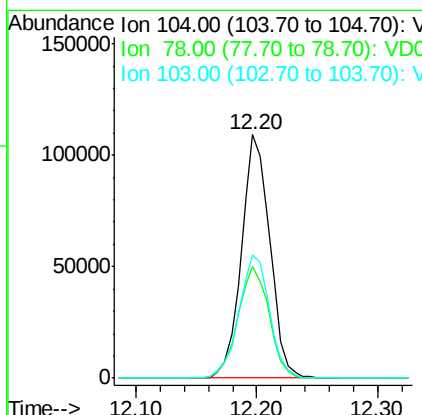
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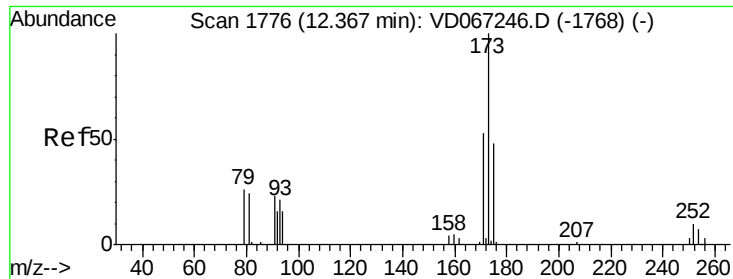
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#70
Styrene
Concen: 21.104 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		178819		
78	50.3	39.8	59.6		
103	54.5	42.6	64.0		





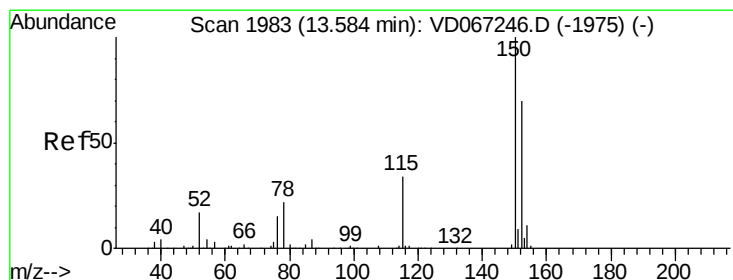
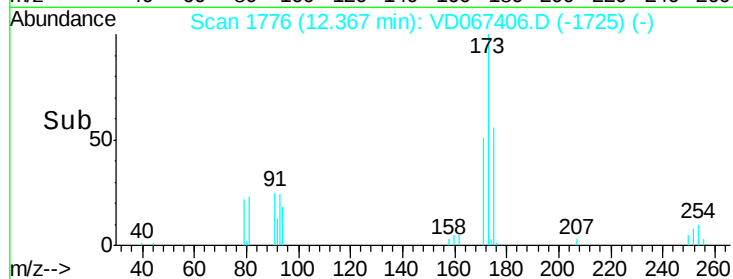
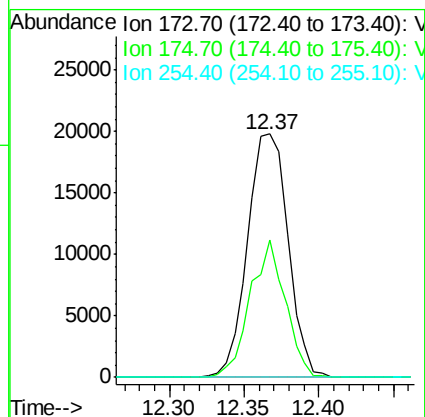
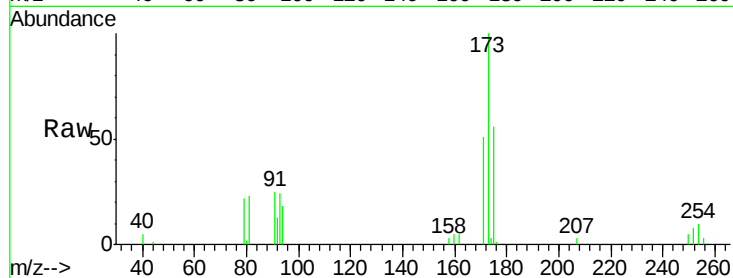
#71
Bromoform
Concen: 21.658 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.0	0.1	0.1#

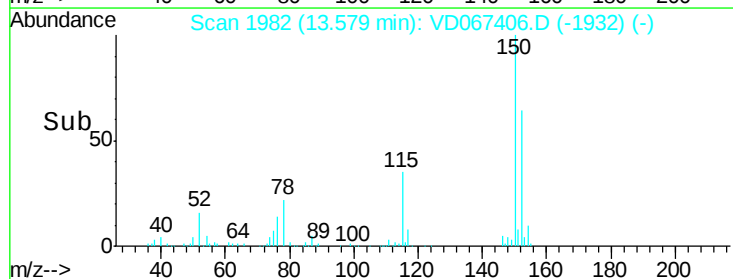
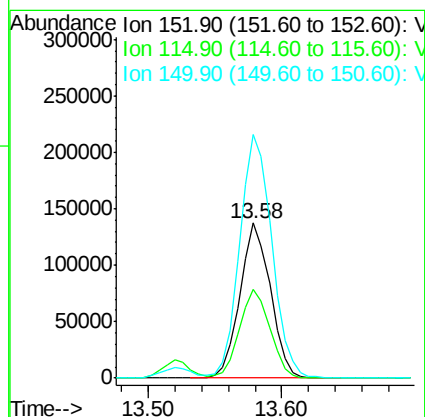
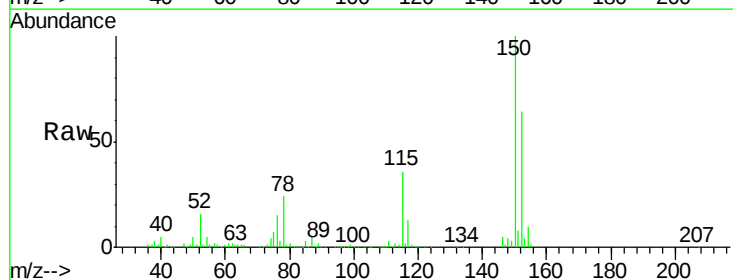
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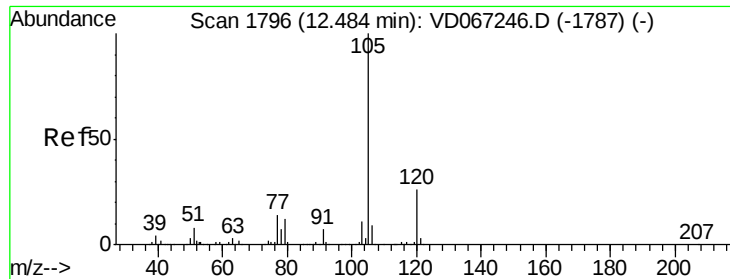
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.3	87.9
150	165.4	0.0	339.0





#73

Isopropylbenzene

Concen: 21.450 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion:105 Resp: 295325

Ion Ratio Lower Upper

105 100

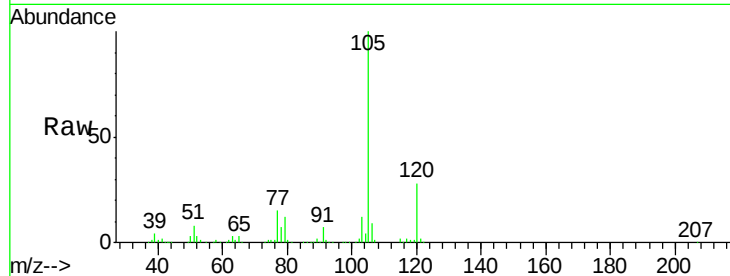
120 27.0 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

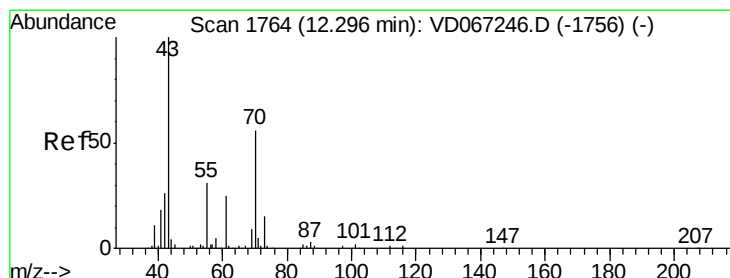
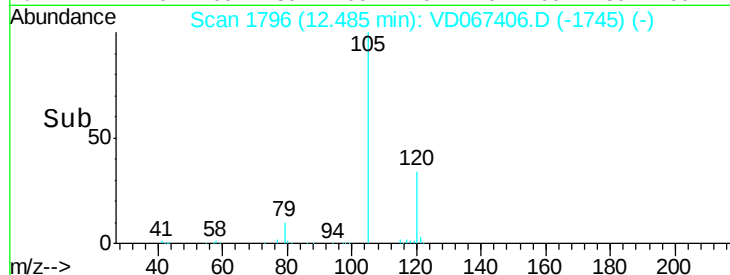
150000

100000

50000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 20.448 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Tgt Ion: 43 Resp: 42520

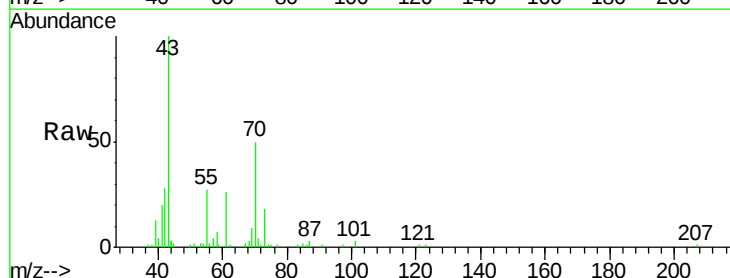
Ion Ratio Lower Upper

43 100

70 51.5 42.7 64.1

55 28.5 24.0 36.0

61 27.7 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

40000

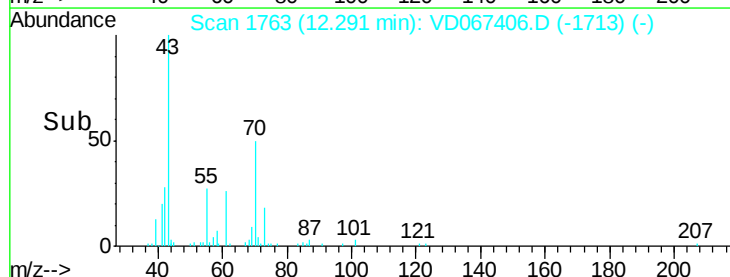
30000

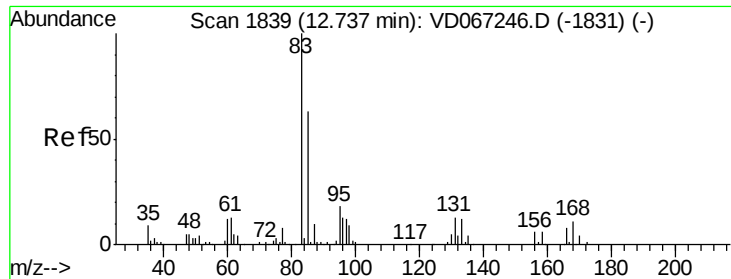
20000

10000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 21.056 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

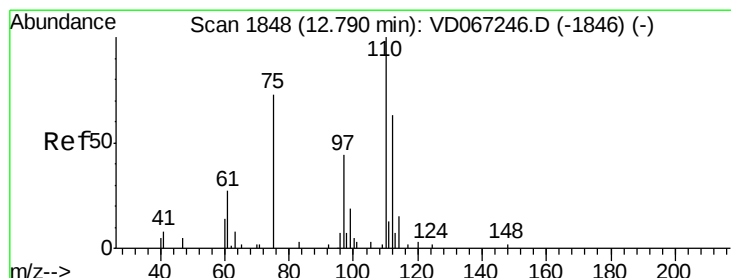
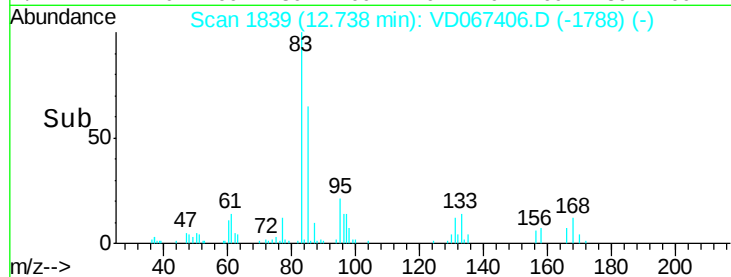
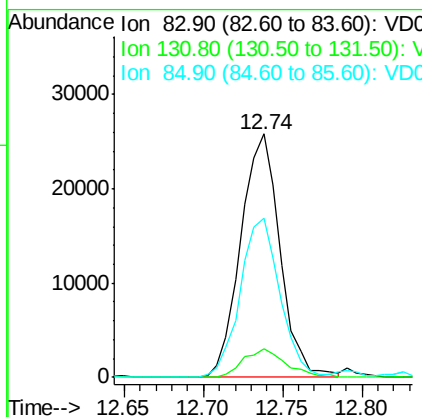
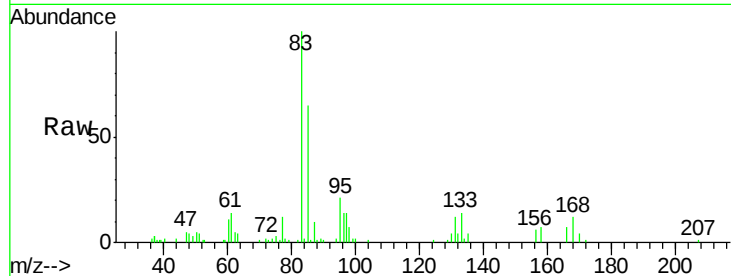
ClientSampleId :

VD1027SBS01

Tot Ion:	83	Resp:	44421
Ion Ratio	Lower	Upper	
83	100		
131	12.8	6.5	19.5
85	66.6	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 18.076 ug/l m

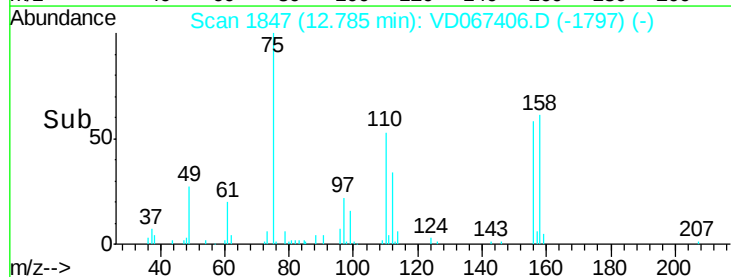
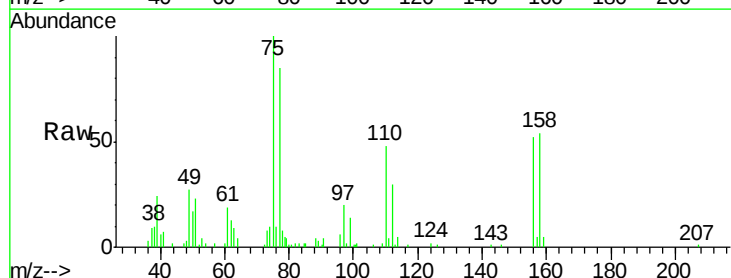
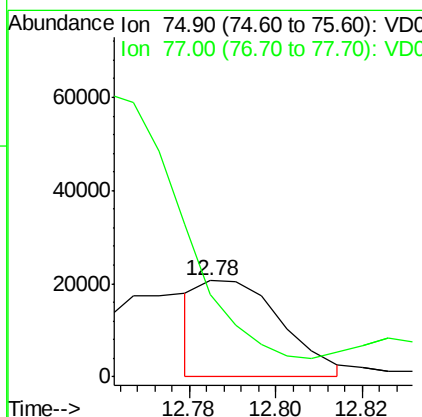
RT: 12.78 min Scan# 1847

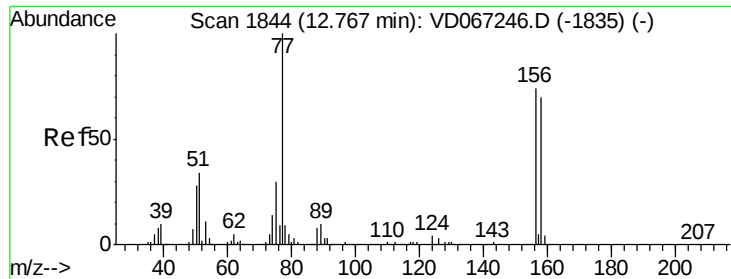
Delta R.T. -0.01 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Tgt Ion:	75	Resp:	27178
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.356 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

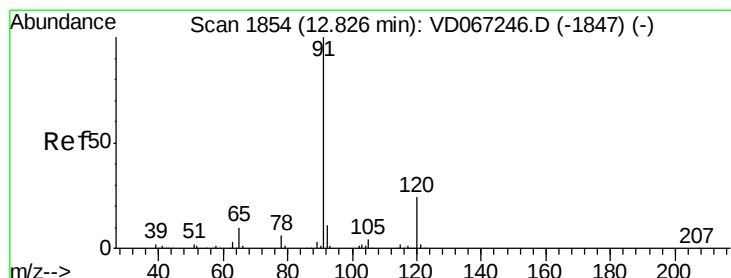
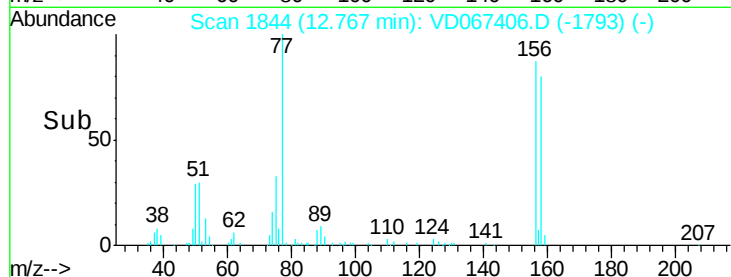
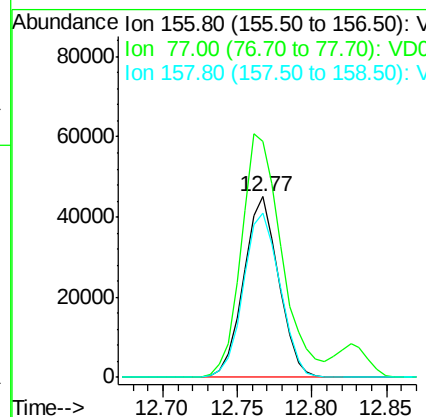
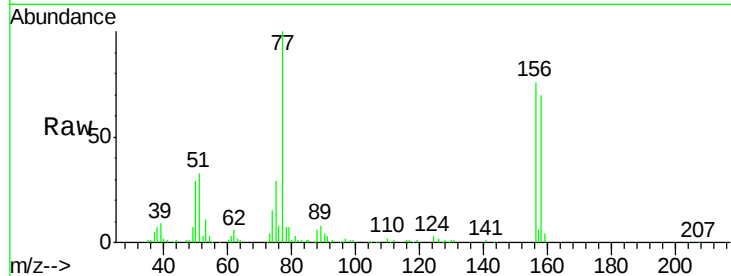
ClientSampleId :

VD1027SBSD01

Tot Ion:156 Resp: 73307
 Ion Ratio Lower Upper
 156 100
 77 155.8 78.0 233.8
 158 94.7 49.1 147.3

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#78

n-propylbenzene

Concen: 21.362 ug/l

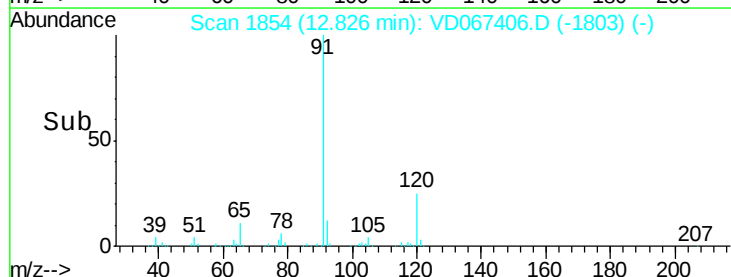
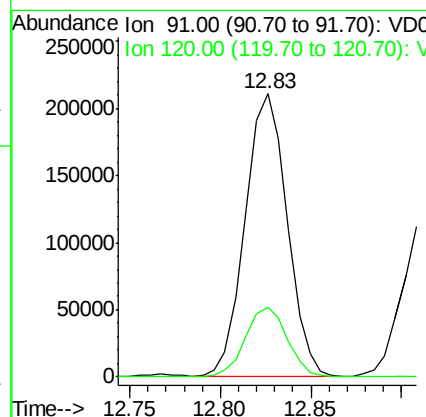
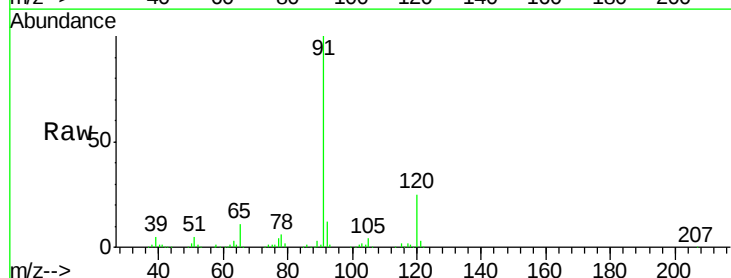
RT: 12.83 min Scan# 1854

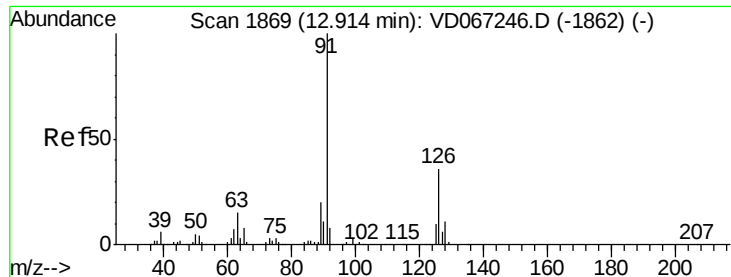
Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Tgt Ion: 91 Resp: 340768
 Ion Ratio Lower Upper
 91 100
 120 24.5 11.9 35.9





#79

2-Chlorotoluene

Concen: 21.329 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 91 Resp: 197316

Ion Ratio Lower Upper

91 100

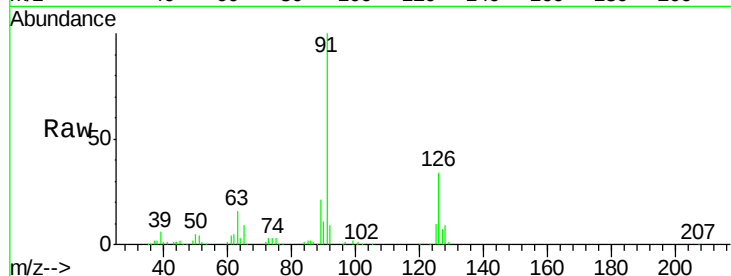
126 34.5 17.6 52.8

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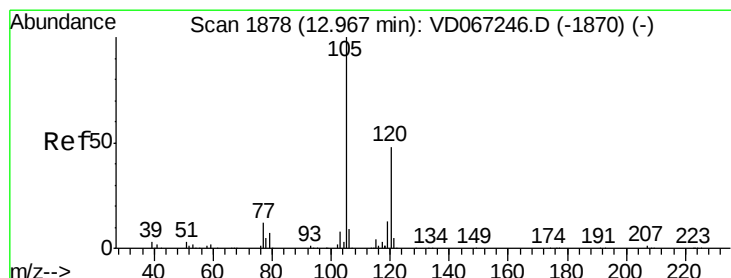
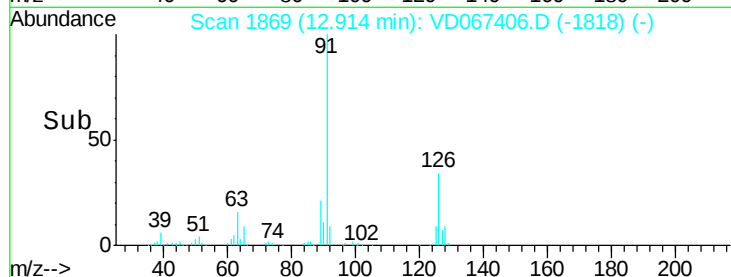
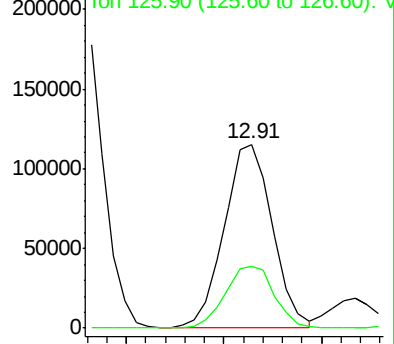
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Abundance Ion 91.00 (90.70 to 91.70): VD067406.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.211 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067406.D

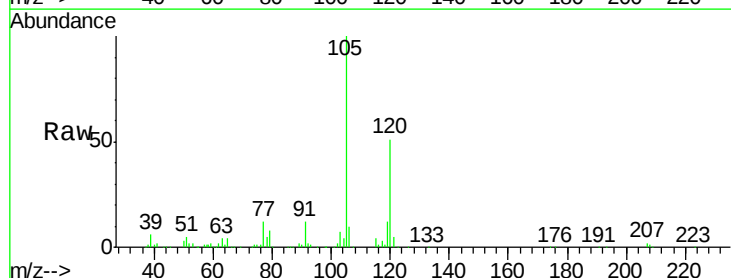
Acq: 27 Oct 2020 12:44

Tgt Ion: 105 Resp: 253785

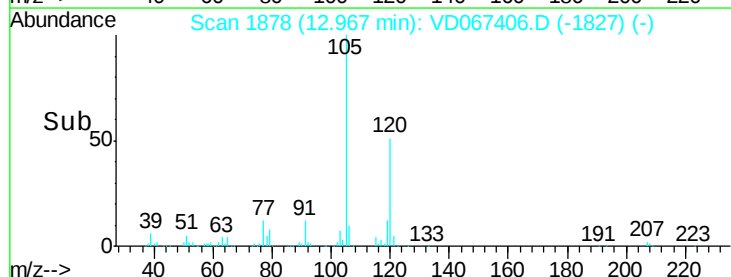
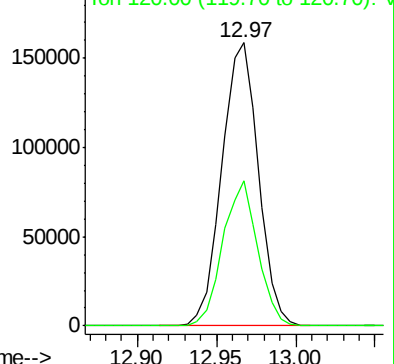
Ion Ratio Lower Upper

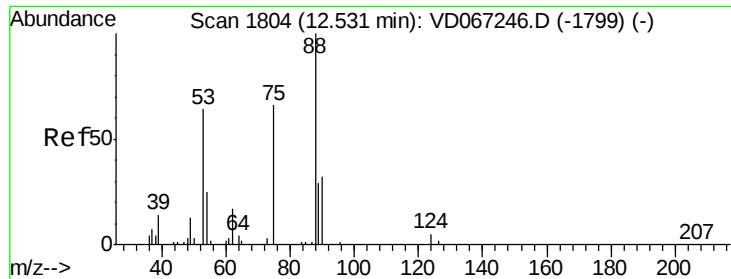
105 100

120 49.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067406.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.543 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Instrument :

MSVOA_D

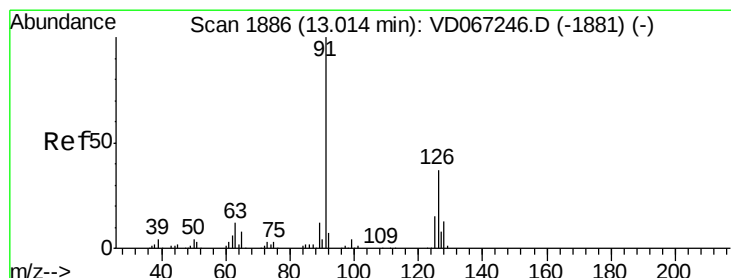
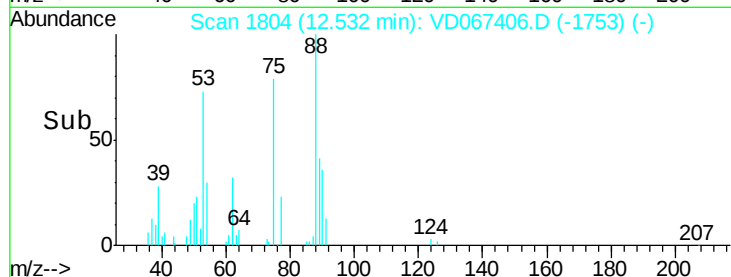
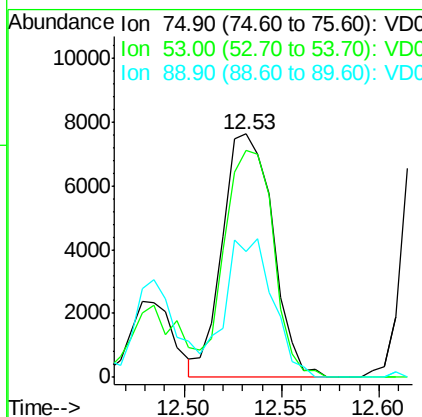
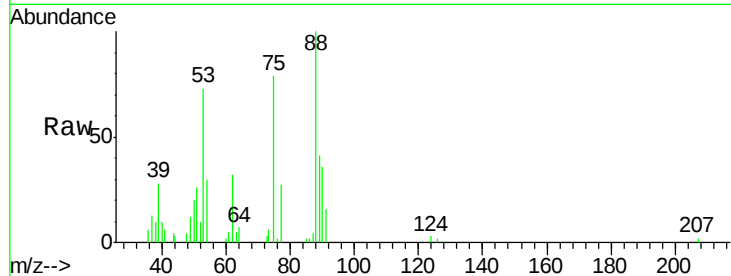
ClientSampleId :

VD1027SBS01

Tot Ion:	75	Resp:	13621
Ion	Ratio	Lower	Upper
75	100		
53	90.3	78.5	117.7
89	54.0	39.9	59.9

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#82

4-Chlorotoluene

Concen: 21.365 ug/l

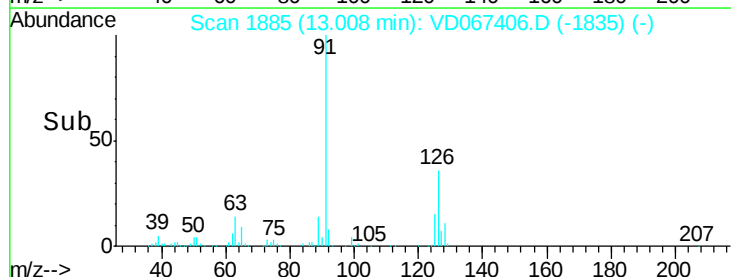
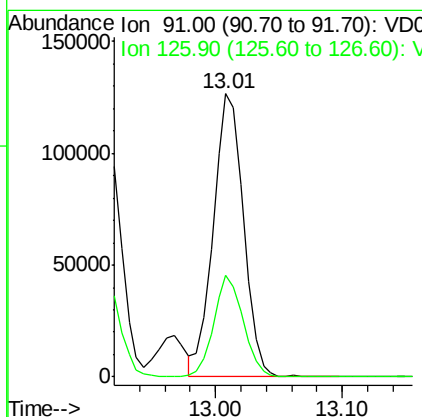
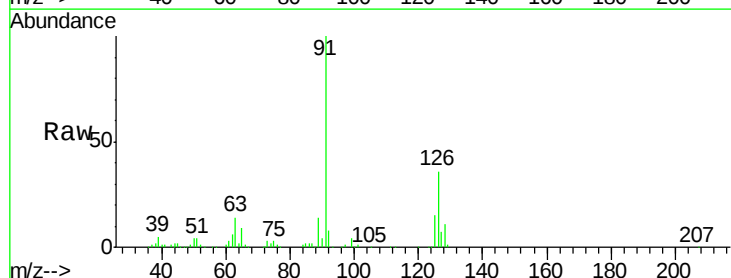
RT: 13.01 min Scan# 1885

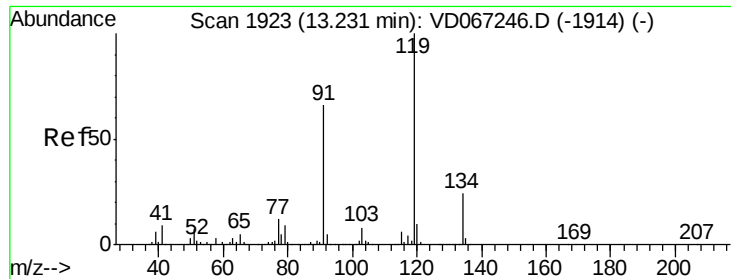
Delta R.T. -0.01 min

Lab File: VD067406.D

Acq: 27 Oct 2020 12:44

Tgt Ion:	91	Resp:	209776
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.8	53.5





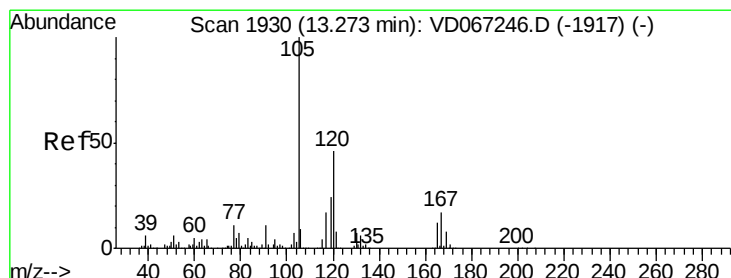
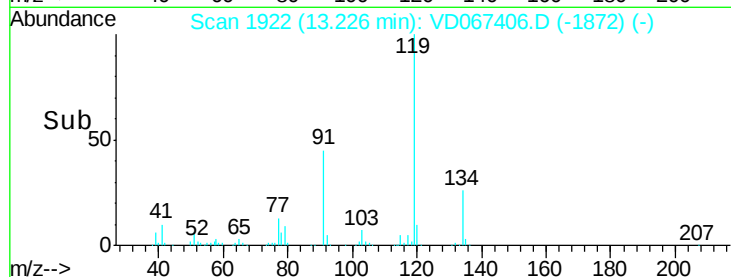
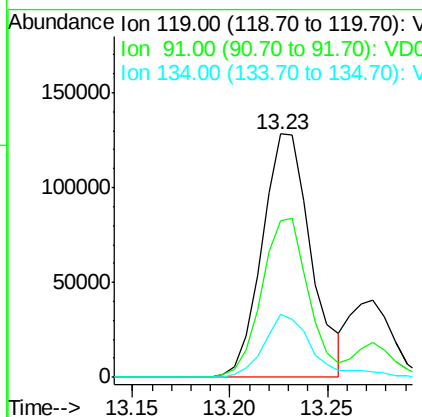
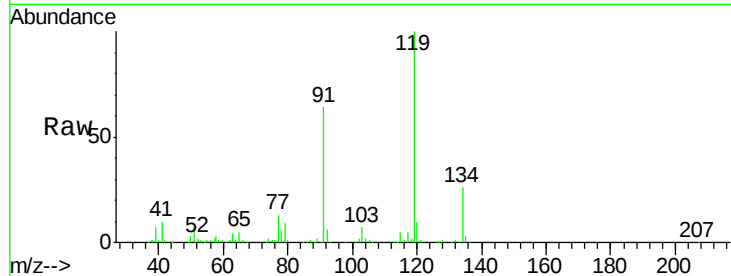
#83
tert-Butylbenzene
Concen: 21.936 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	221702		
91	62.6		33.1	99.2
134	26.2		13.3	39.9

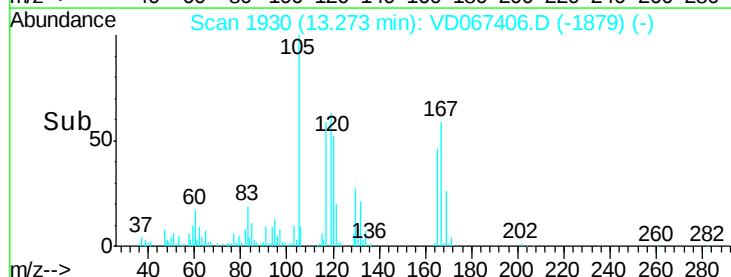
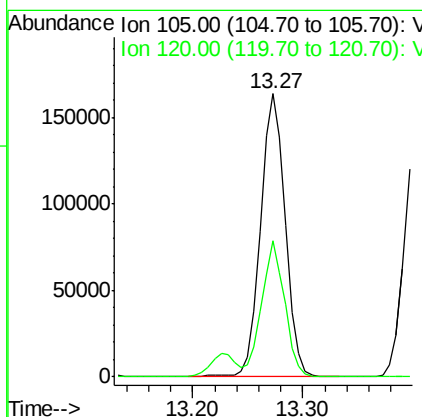
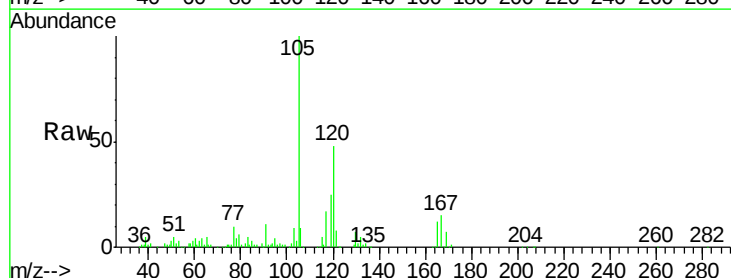
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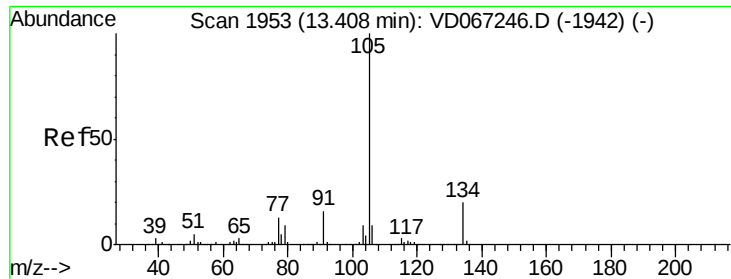
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#84
1,2,4-Trimethylbenzene
Concen: 21.766 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	257394		
120	44.8		22.4	67.3





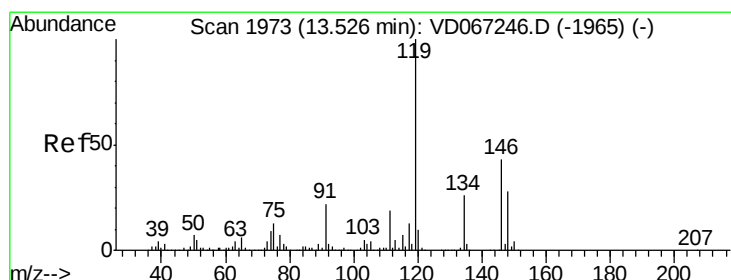
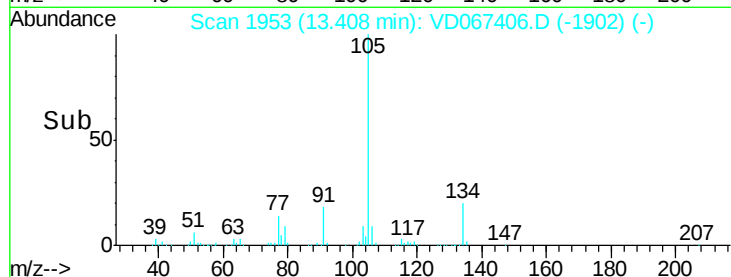
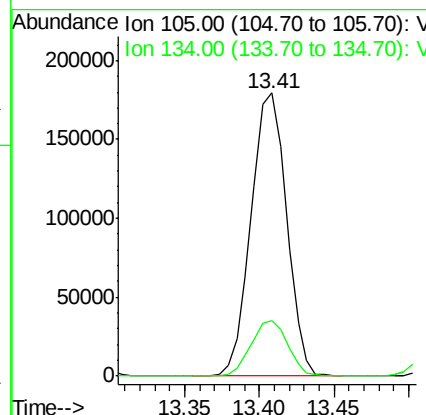
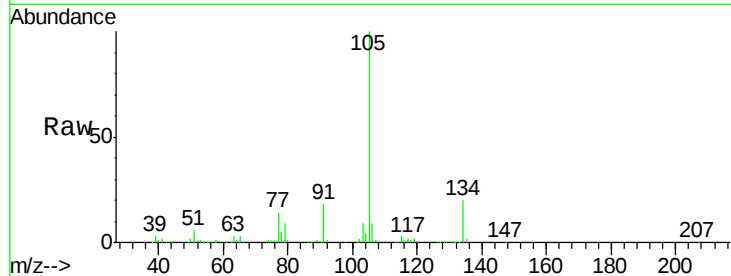
#85
 sec-Butylbenzene
 Concen: 21.344 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.5	31.5

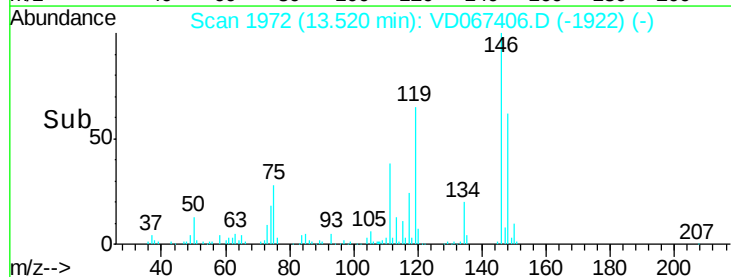
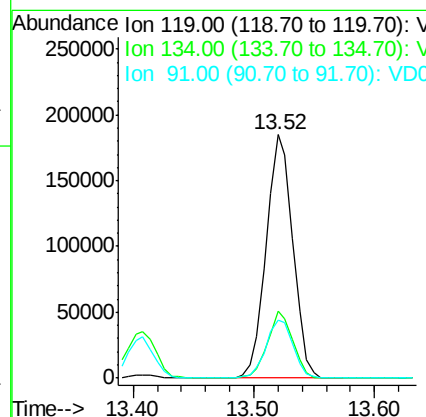
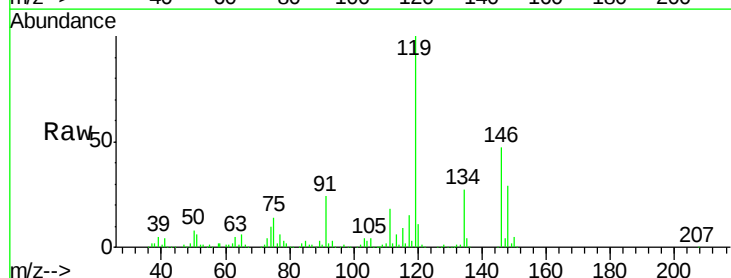
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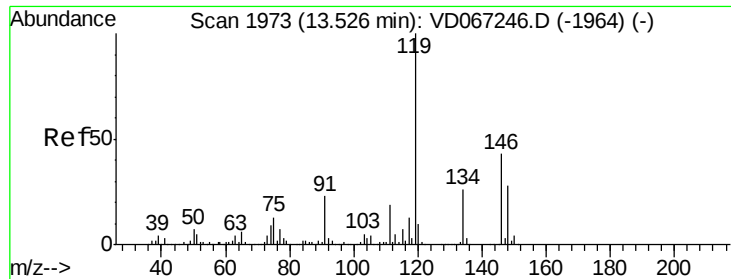
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#86
 p-Isopropyltoluene
 Concen: 21.537 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.3
91	24.3	11.9	35.9





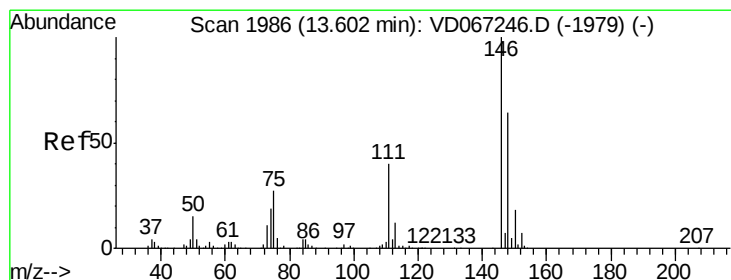
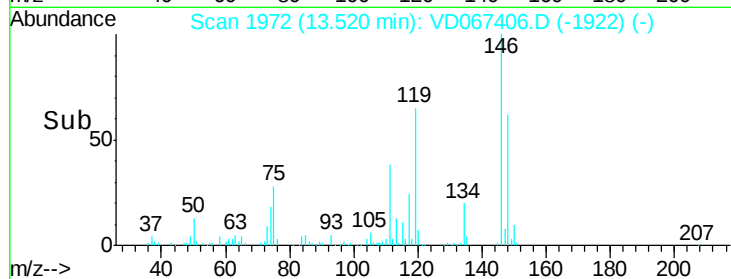
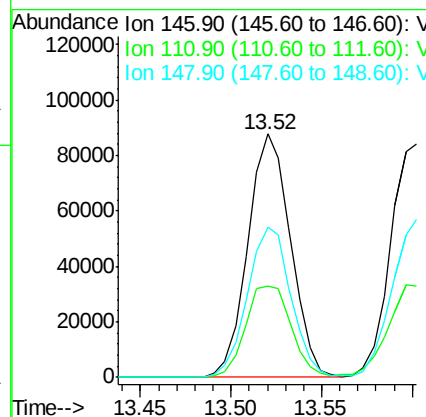
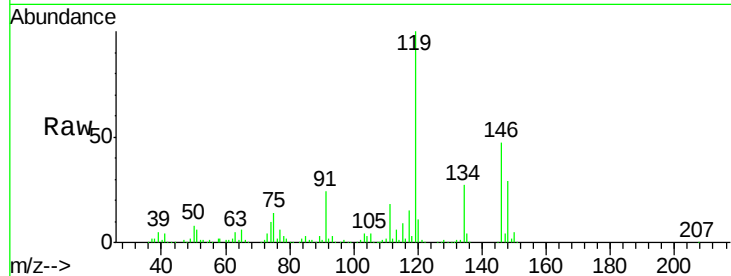
#87
 1,3-Dichlorobenzene
 Concen: 21.735 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	143600		
111	40.1	21.1	63.3	
148	62.9	31.9	95.9	

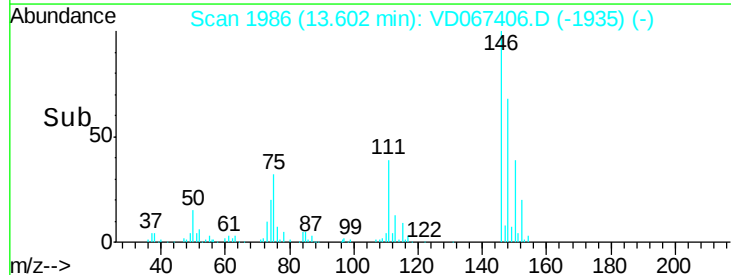
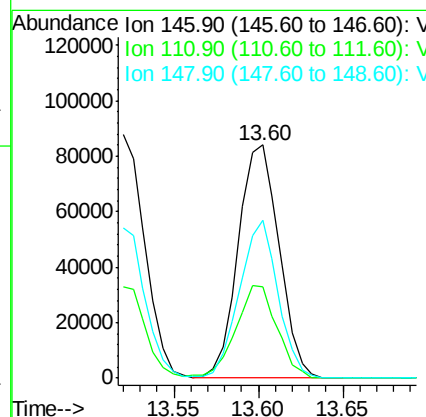
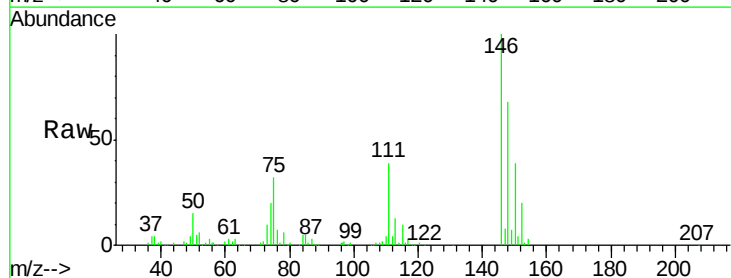
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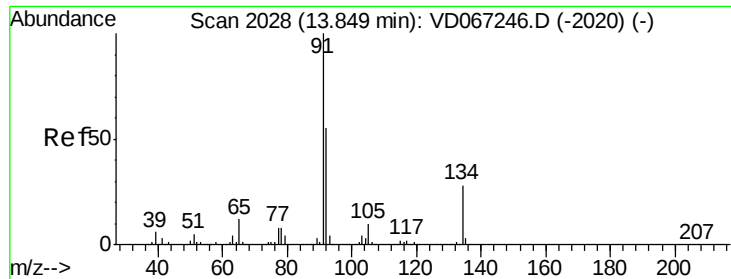
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#88
 1,4-Dichlorobenzene
 Concen: 21.657 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	141760		
111	39.9	19.9	59.7	
148	63.8	31.9	95.9	





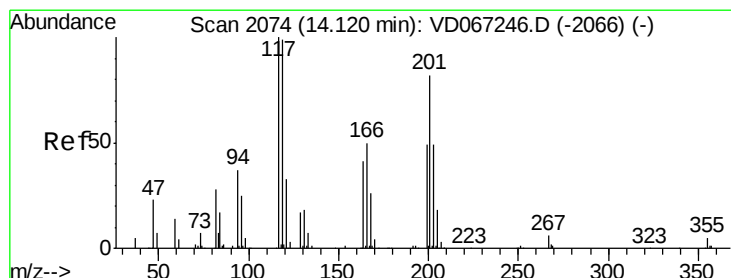
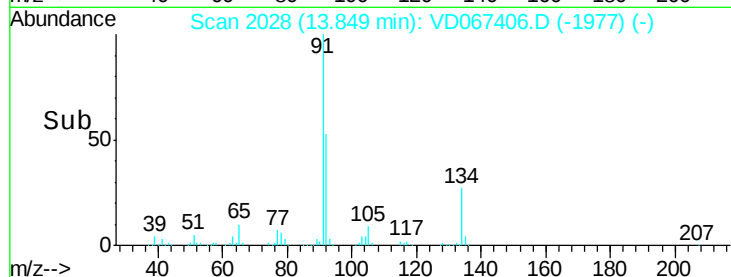
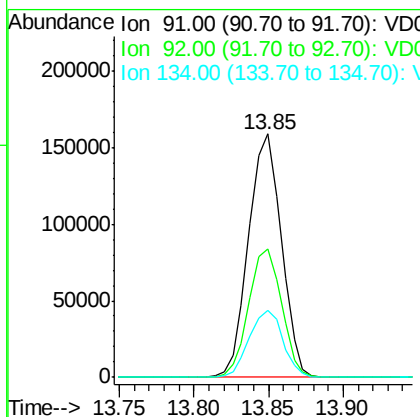
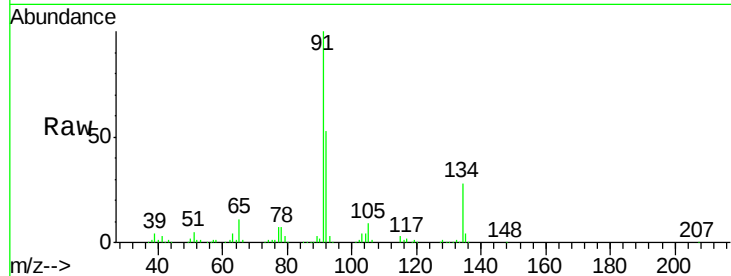
#89
n-Butylbenzene
Concen: 20.977 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.7	80.0
134	28.3	14.2	42.6

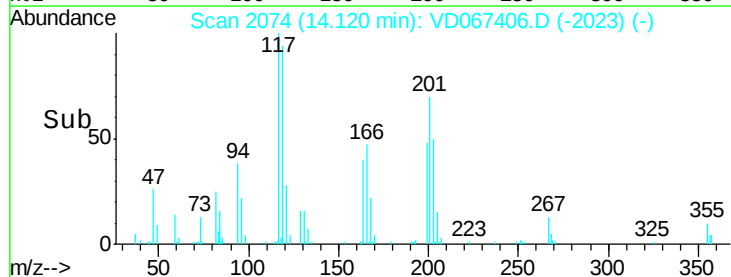
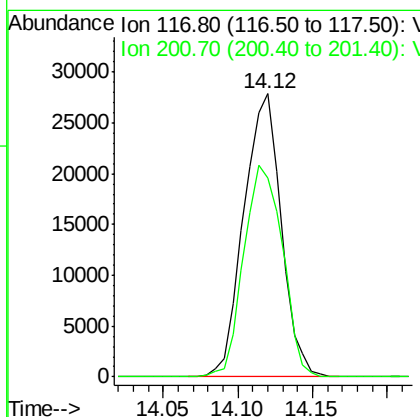
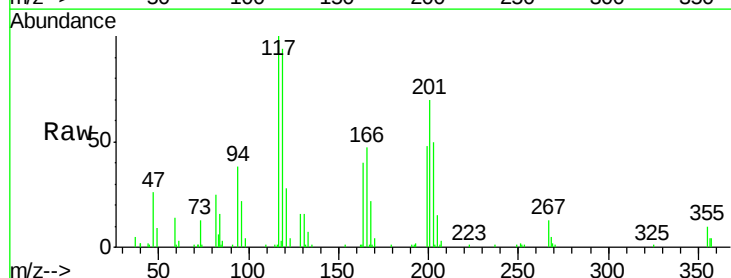
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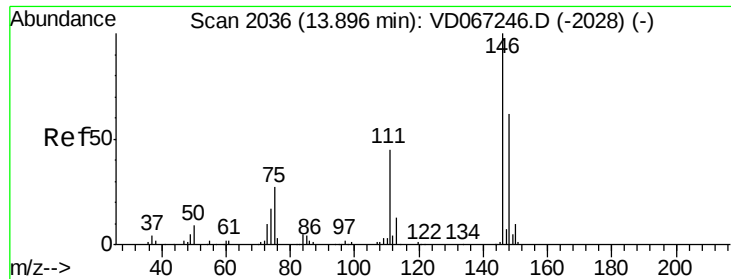
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#90
Hexachloroethane
Concen: 21.132 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.3	40.8	122.2





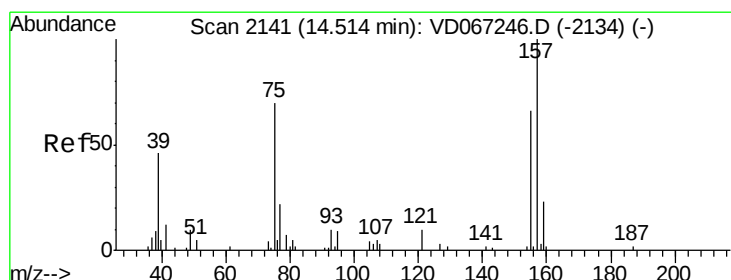
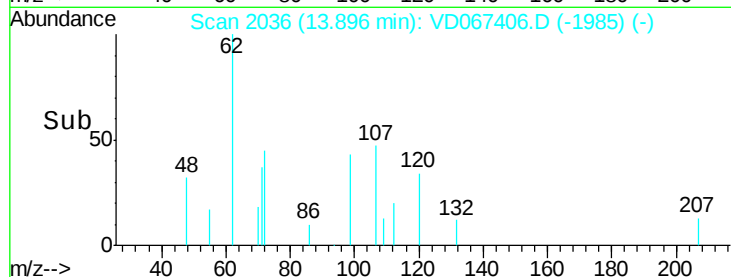
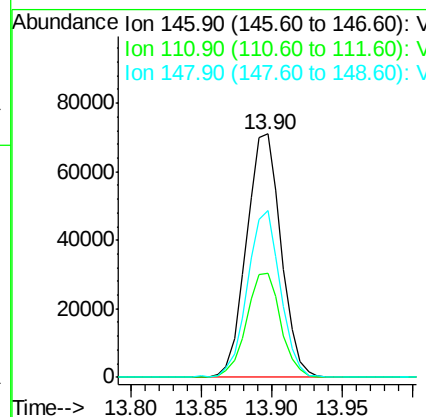
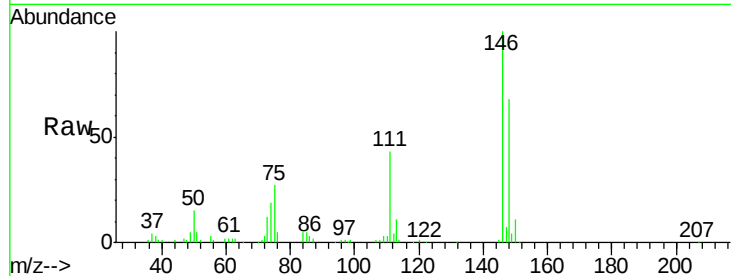
#91
 1,2-Dichlorobenzene
 Concen: 21.160 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	22.0	66.0
148	65.1	32.5	97.5

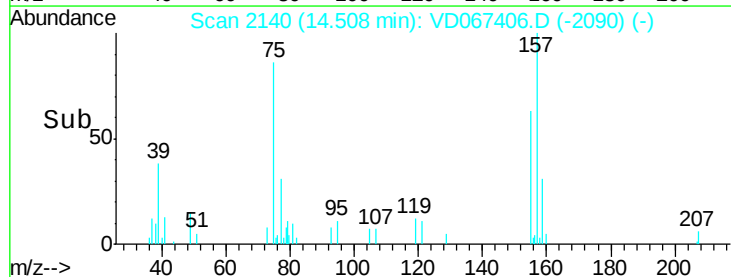
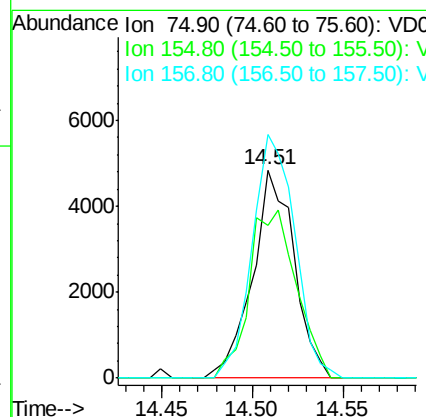
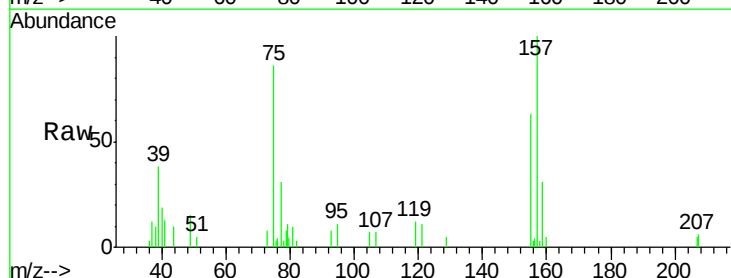
Manual Integrations
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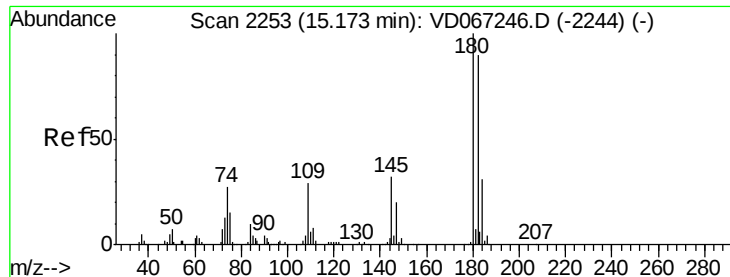
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.172 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	44.8	134.4
157	120.0	62.5	187.4





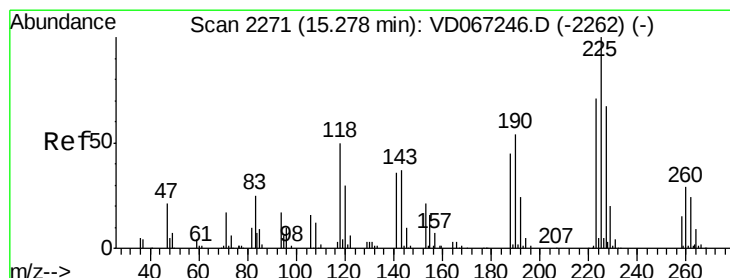
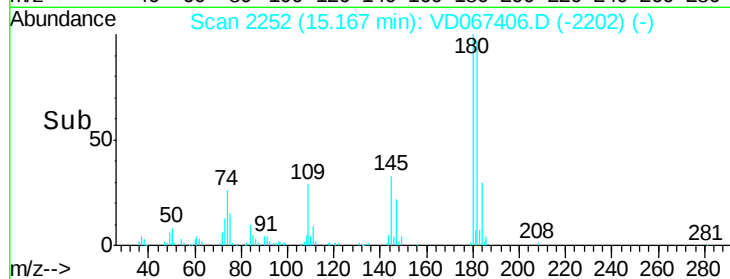
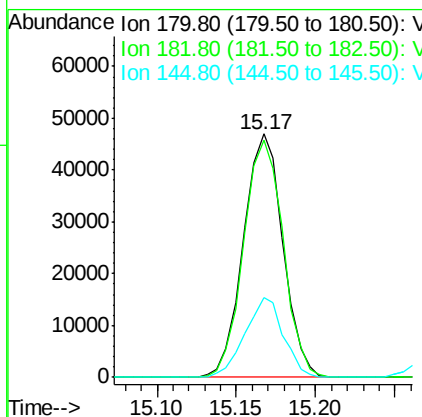
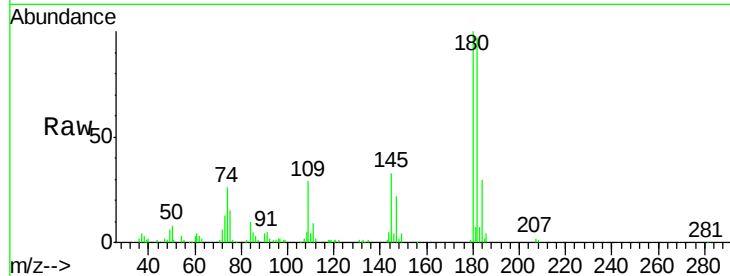
#93
 1,2,4-Trichlorobenzene
 Concen: 20.897 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.8	48.1	144.4	
145	31.9	16.3	48.9	

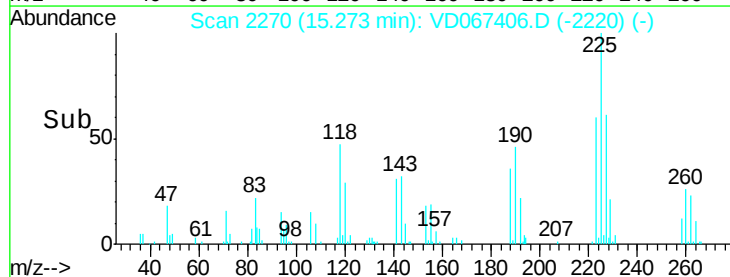
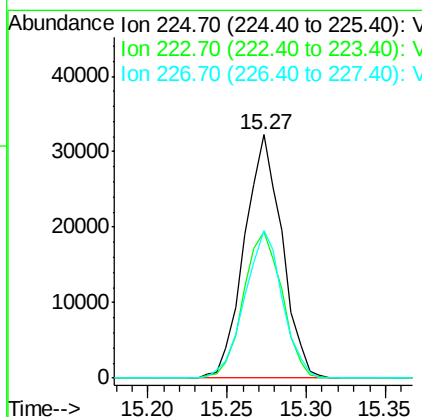
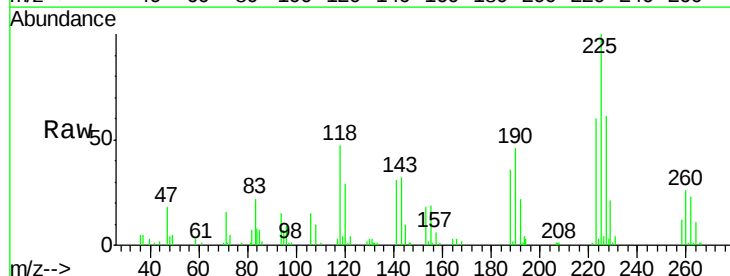
Manual Integrations
 APPROVED

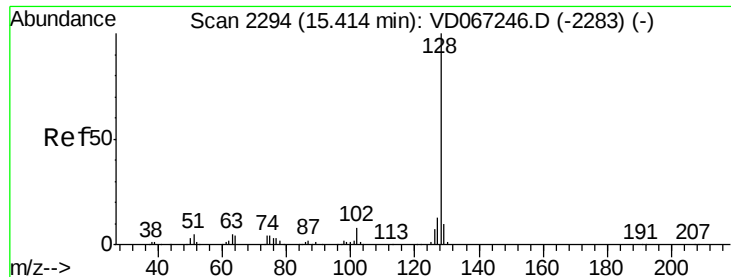
MMDadoda
 10/28/2020 11:45:29 AM



#94
 Hexachlorobutadiene
 Concen: 22.022 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067406.D
 Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	31.9	95.7	
227	60.7	31.2	93.6	





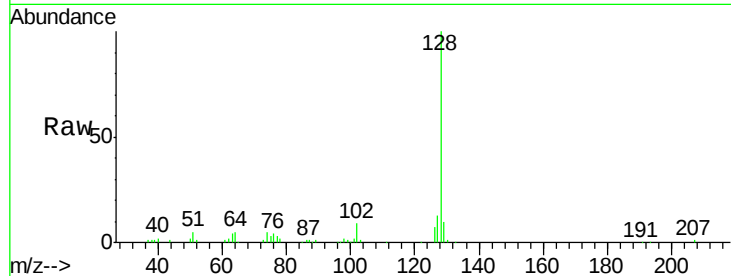
#95
Naphthalene
Concen: 19.885 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.4	15.6
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/28/2020 11:45:29 AM

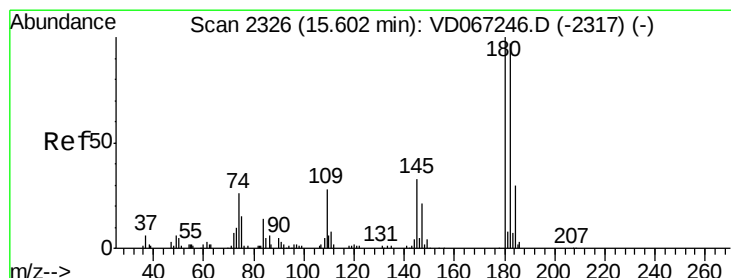
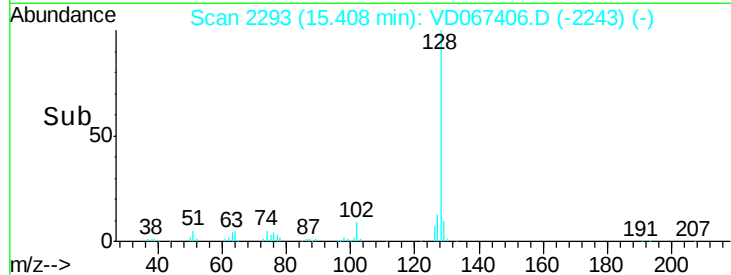
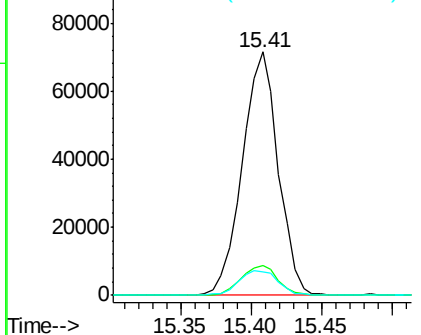


Abundance

Ion 128.00 (127.70 to 128.70): V

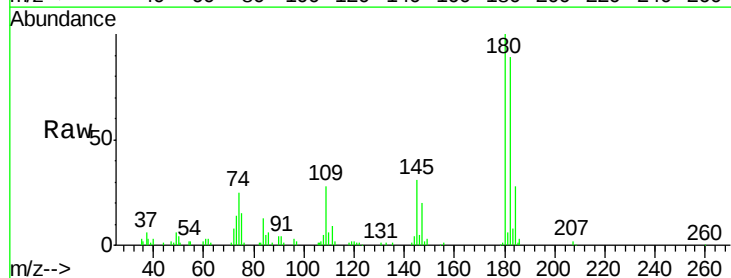
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 21.557 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067406.D
Acq: 27 Oct 2020 12:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.1	144.3
145	34.1	17.3	51.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

