

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102720\
 Data File : VD067405.D
 Acq On : 27 Oct 2020 12:17
 Operator : VA/SY
 Sample : VD1027SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/28/2020 11:45:24 AM

Quant Time: Oct 28 01:57:22 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	7.98	168	302199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	446531	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	417238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	216662	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	145533	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
35) Dibromofluoromethane	7.91	113	153875	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.34	98	551751	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.64	95	192541	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52816	19.068	ug/l	100
3) Chloromethane	2.21	50	35104	18.457	ug/l	98
4) Vinyl Chloride	2.35	62	40439	19.379	ug/l	96
5) Bromomethane	2.76	94	30943	19.894	ug/l	97
6) Chloroethane	2.92	64	25093	19.308	ug/l	96
7) Trichlorofluoromethane	3.27	101	113230	21.548	ug/l	94
8) Diethyl Ether	3.70	74	24719	20.558	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	60170	21.553	ug/l	99
10) Methyl Iodide	4.30	142	50552	19.629	ug/l	98
11) Tert butyl alcohol	5.23	59	18488	87.886	ug/l	100
12) 1,1-Dichloroethene	4.06	96	51056	20.471	ug/l	87
13) Acrolein	3.92	56	7599	60.021	ug/l	88
14) Allyl chloride	4.71	41	57115	19.997	ug/l	99
15) Acrylonitrile	5.42	53	42044	104.793	ug/l	99
16) Acetone	4.16	43	41885	98.782	ug/l	100
17) Carbon Disulfide	4.40	76	138503	19.480	ug/l	99
18) Methyl Acetate	4.72	43	18493	19.122	ug/l #	75
19) Methyl tert-butyl Ether	5.47	73	96096	19.377	ug/l	98
20) Methylene Chloride	4.96	84	64049	20.976	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	60107	20.942	ug/l	95
22) Diisopropyl ether	6.37	45	112276	21.519	ug/l	95
23) Vinyl Acetate	6.31	43	297378	100.181	ug/l	99
24) 1,1-Dichloroethane	6.27	63	94620	21.185	ug/l	94
25) 2-Butanone	7.21	43	48487	100.318	ug/l	95
26) 2,2-Dichloropropane	7.21	77	100087	21.741	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	65022	20.671	ug/l	95
28) Bromochloromethane	7.54	49	30223	19.839	ug/l	98
29) Tetrahydrofuran	7.57	42	27608	102.756	ug/l	97
30) Chloroform	7.71	83	117744	22.068	ug/l	91
31) Cyclohexane	7.98	56	71197	20.417	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	115695	22.100	ug/l	98
36) 1,1-Dichloropropene	8.11	75	82216	21.724	ug/l	99
37) Ethyl Acetate	7.30	43	22259	19.990	ug/l	96
38) Carbon Tetrachloride	8.10	117	109016	22.537	ug/l	93

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Quant Time: Oct 28 01:57:22 2020
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	81291	20.546	ug/l	97
40) Benzene	8.36	78	226853	21.849	ug/l	97
41) Methacrylonitrile	7.52	41	10666	17.726	ug/l #	70
42) 1,2-Dichloroethane	8.43	62	71413	21.978	ug/l	100
43) Isopropyl Acetate	8.46	43	45066	20.397	ug/l	99
44) Trichloroethene	9.11	130	74193	22.318	ug/l	85
45) 1,2-Dichloropropane	9.40	63	51529	21.414	ug/l	89
46) Dibromomethane	9.48	93	31981	21.331	ug/l	98
47) Bromodichloromethane	9.67	83	87982	21.904	ug/l	97
48) Methyl methacrylate	9.46	41	21824	20.325	ug/l	97
49) 1,4-Dioxane	9.47	88	6672	442.948	ug/l #	89
51) 4-Methyl-2-Pentanone	10.23	43	113406	102.907	ug/l	97
52) Toluene	10.41	92	156326	22.106	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	73799	20.915	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	87826	21.268	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	45419	22.216	ug/l	93
56) Ethyl methacrylate	10.67	69	44527	21.001	ug/l	99
57) 1,3-Dichloropropane	10.95	76	68913	21.181	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	111368	102.388	ug/l	100
59) 2-Hexanone	10.99	43	76609	101.732	ug/l	100
60) Dibromochloromethane	11.14	129	65703	22.037	ug/l	97
61) 1,2-Dibromoethane	11.25	107	43681	21.672	ug/l	97
64) Tetrachloroethene	10.88	164	64889	21.465	ug/l	93
65) Chlorobenzene	11.67	112	174078	21.757	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	73066	22.977	ug/l	97
67) Ethyl Benzene	11.75	91	295962	21.579	ug/l	97
68) m/p-Xylenes	11.86	106	241467	45.719	ug/l	95
69) o-Xylene	12.18	106	107385	21.957	ug/l	94
70) Styrene	12.20	104	187808	22.307	ug/l	100
71) Bromoform	12.37	173	37860	22.162	ug/l #	100
73) Isopropylbenzene	12.48	105	302179	21.975	ug/l	99
74) N-amyl acetate	12.29	43	42851	20.633	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	43026	20.421	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	26516m	17.658	ug/l	
77) Bromobenzene	12.77	156	74486	21.727	ug/l	99
78) n-propylbenzene	12.83	91	346167	21.728	ug/l	100
79) 2-Chlorotoluene	12.91	91	198301	21.463	ug/l	96
80) 1,3,5-Trimethylbenzene	12.96	105	263449	22.047	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13596	20.532	ug/l	97
82) 4-Chlorotoluene	13.01	91	214601	21.884	ug/l	99
83) tert-Butylbenzene	13.23	119	226673	22.457	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	262898	22.260	ug/l	99
85) sec-Butylbenzene	13.41	105	298866	21.578	ug/l	98
86) p-Isopropyltoluene	13.52	119	285312	21.825	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	146629	22.221	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	144044	22.033	ug/l	100
89) n-Butylbenzene	13.85	91	249184	21.667	ug/l	99
90) Hexachloroethane	14.12	117	49223	21.577	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	121472	21.073	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7687	20.083	ug/l	94

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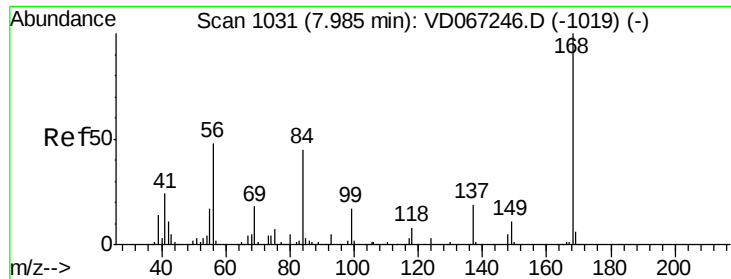
Manual Integrations
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MMDadoda
10/28/2020 11:45:24 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	80512	20.716	ug/l	99
94) Hexachlorobutadiene	15.27	225	53843	22.309	ug/l	98
95) Naphthalene	15.41	128	126319	19.796	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	72268	21.524	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion:168 Resp: 302199

Ion Ratio Lower Upper

168 100

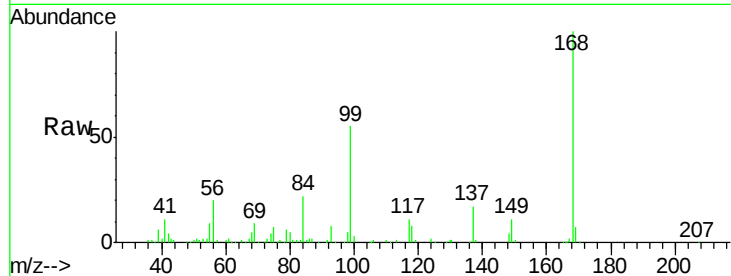
99 54.9 45.9 68.9

Manual Integrations

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10/28/2020 11:45:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

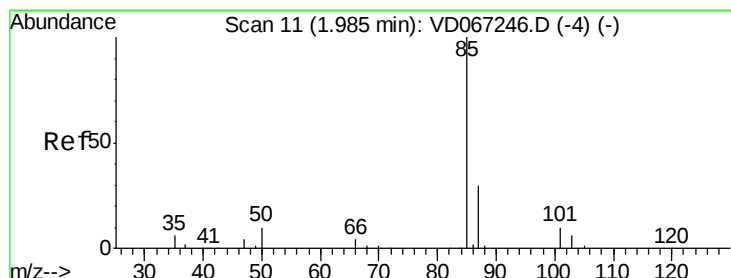
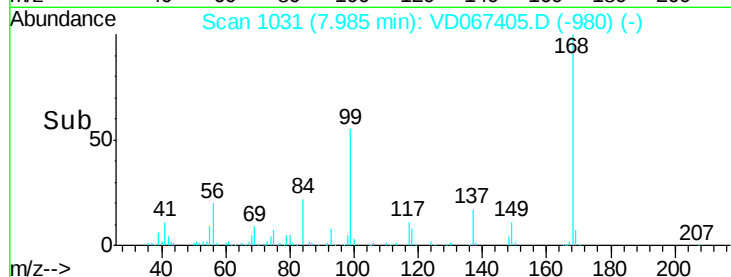
100000

50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 19.068 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067405.D

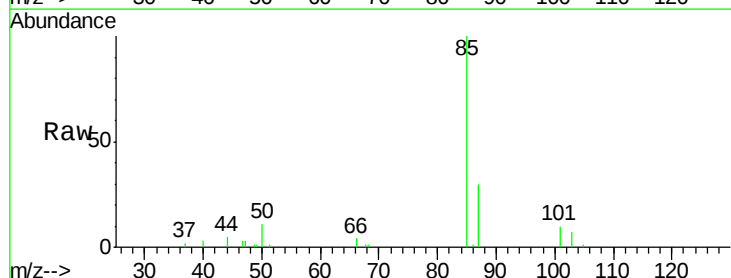
Acq: 27 Oct 2020 12:17

Tgt Ion: 85 Resp: 52816

Ion Ratio Lower Upper

85 100

87 30.2 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

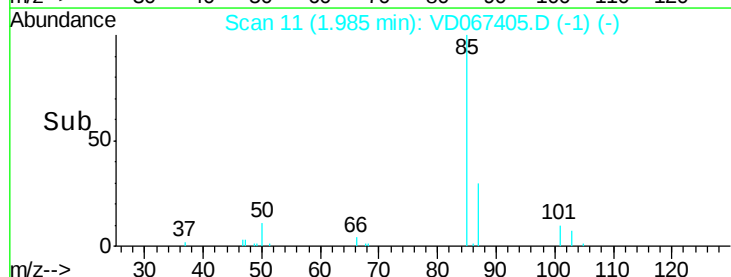
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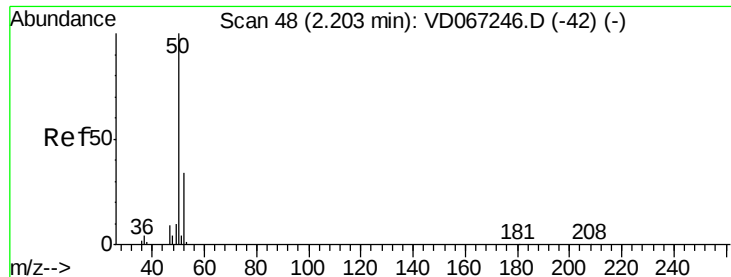
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 18.457 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 50 Resp: 35104

Ion Ratio Lower Upper

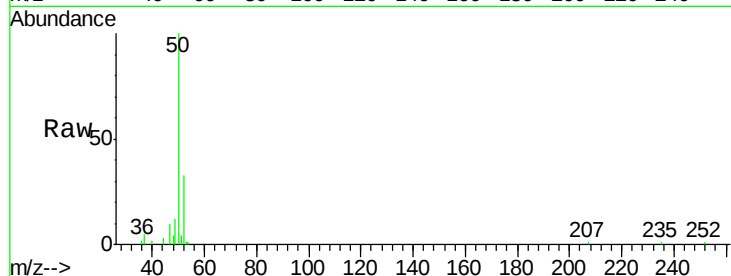
50 100

52 32.5 27.1 40.7

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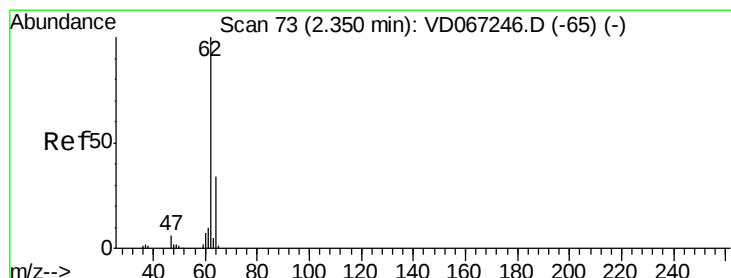
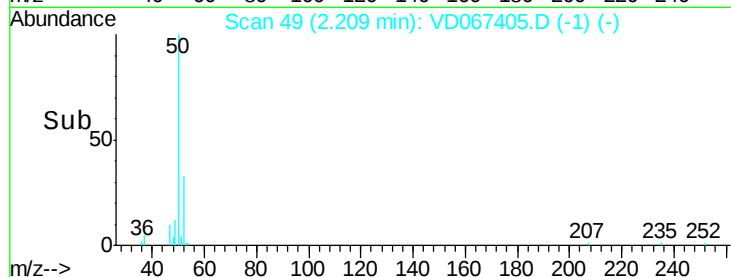
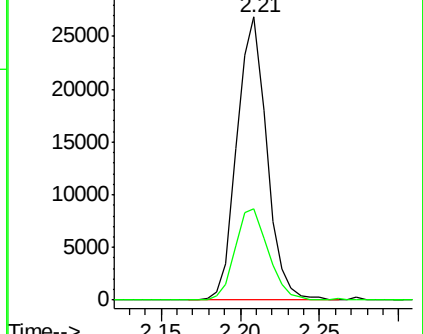
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.379 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067405.D

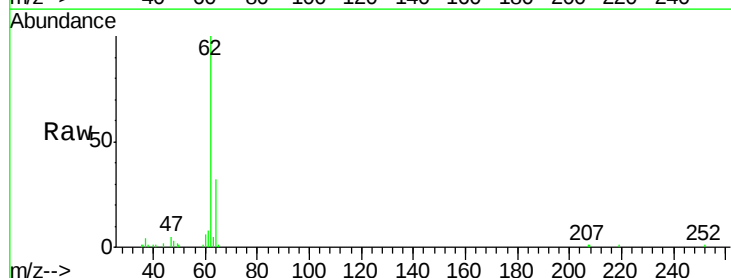
Acq: 27 Oct 2020 12:17

Tgt Ion: 62 Resp: 40439

Ion Ratio Lower Upper

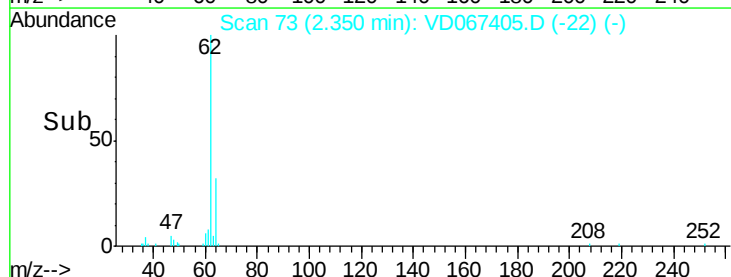
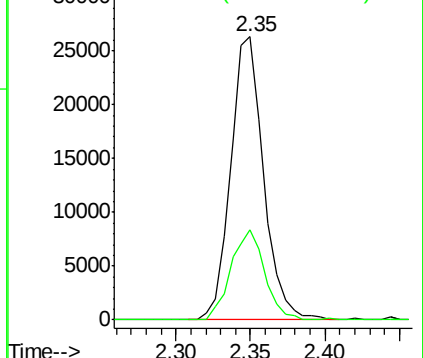
62 100

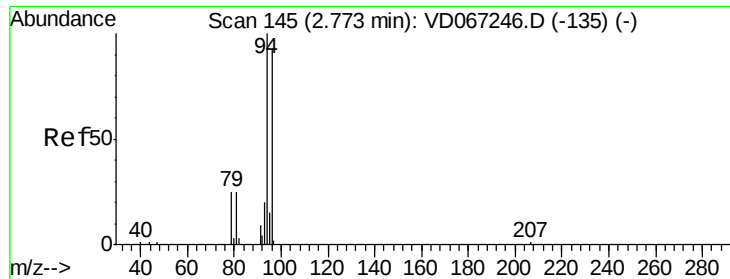
64 31.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.894 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 94 Resp: 30943

Ion Ratio Lower Upper

94 100

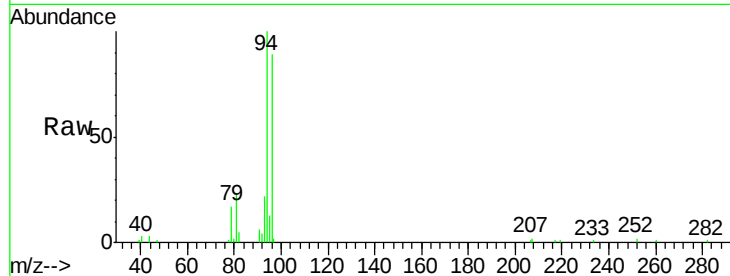
96 89.4 73.8 110.6

Manual Integrations

APPROVED

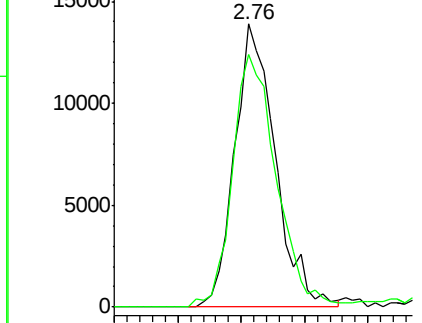
MMDadoda

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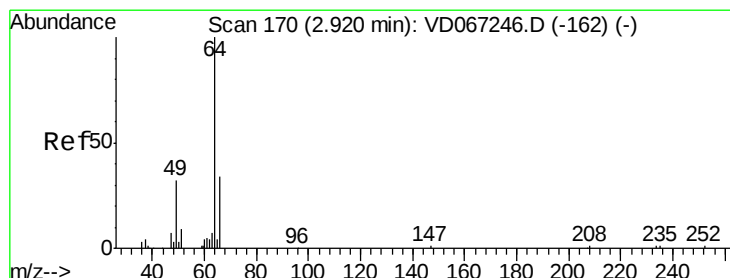
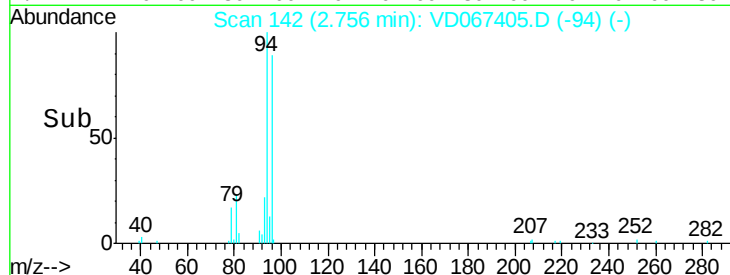


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time--> 2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 19.308 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067405.D

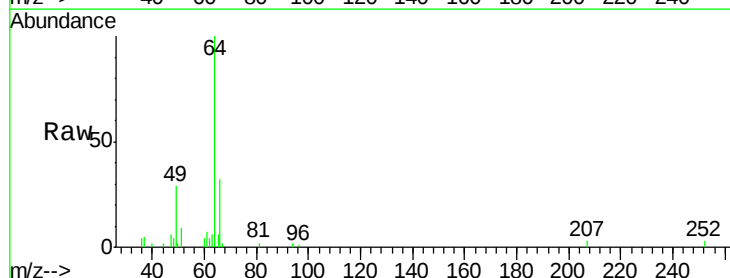
Acq: 27 Oct 2020 12:17

Tgt Ion: 64 Resp: 25093

Ion Ratio Lower Upper

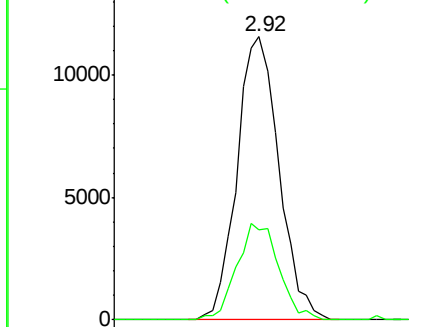
64 100

66 31.6 27.4 41.0

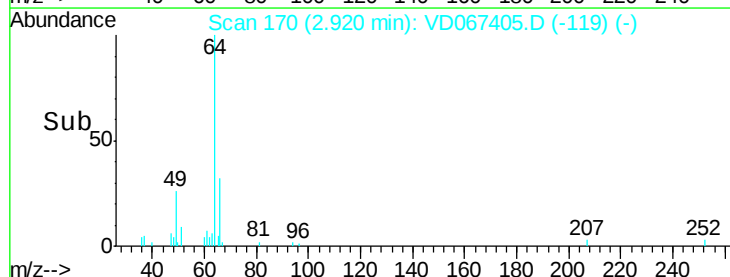


Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time--> 2.85 2.90 2.95 3.00





#7

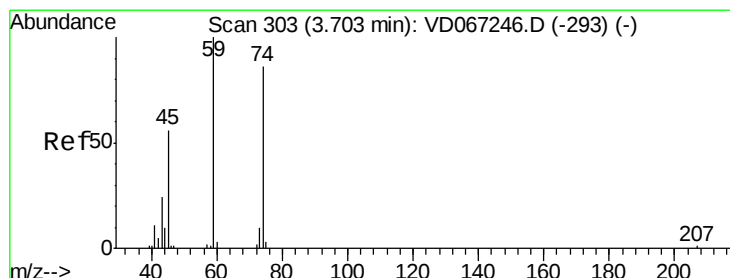
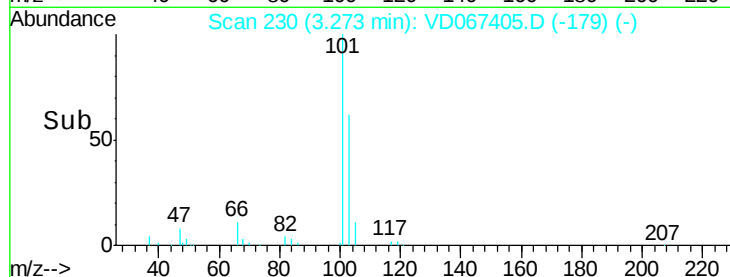
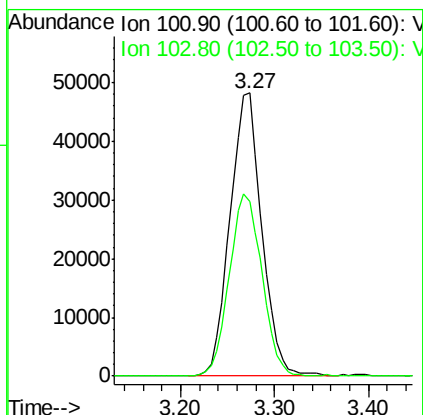
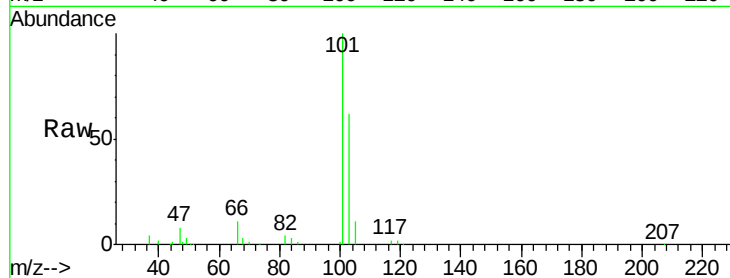
Trichlorofluoromethane
 Concen: 21.548 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

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 ClientSampleId :
 VD1027SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.6	53.1	79.7

Manual Integrations
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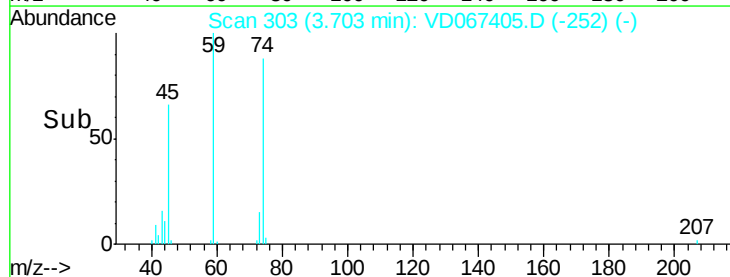
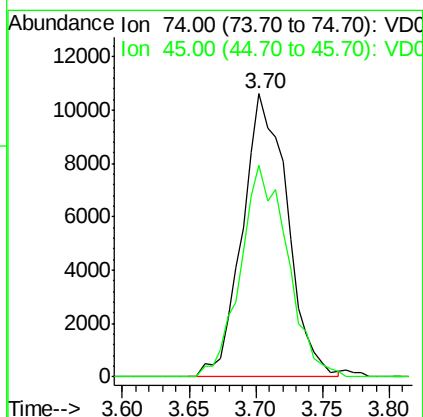
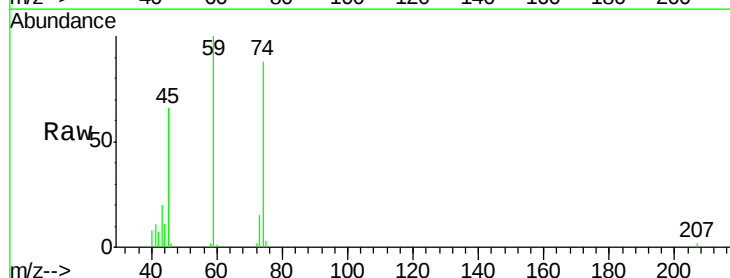
MMDadoda
 10/28/2020 11:45:24 AM

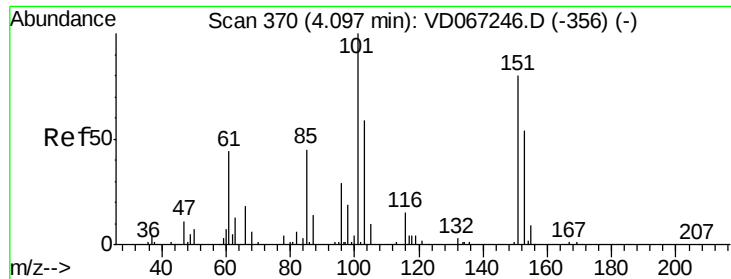


#8

Diethyl Ether
 Concen: 20.558 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	78.2	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.553 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

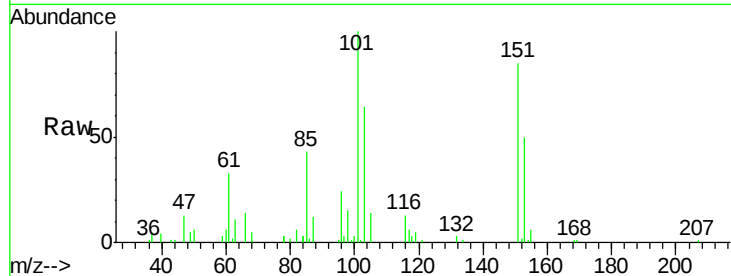
ClientSampleId :

VD1027SBS01

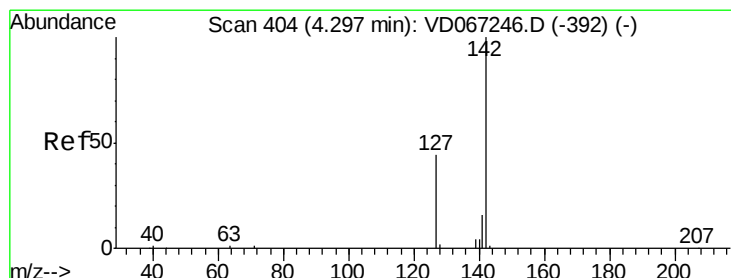
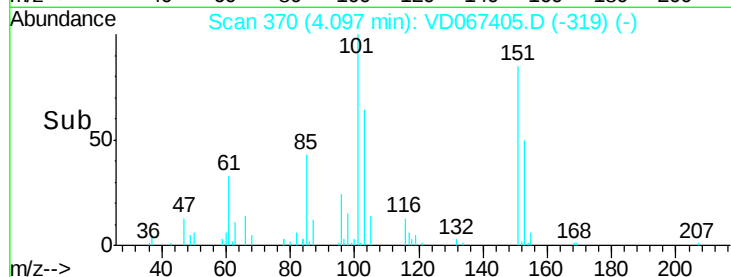
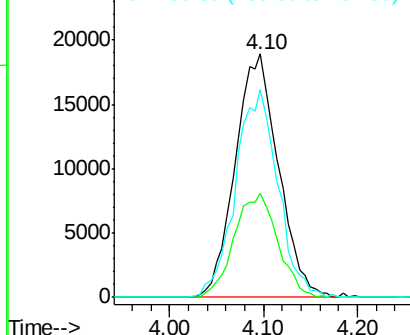
Tot Ion:	101	Resp:	60170
Ion Ratio	Lower	Upper	
101	100		
85	43.1	34.2	51.4
151	83.8	66.3	99.5

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.629 ug/l

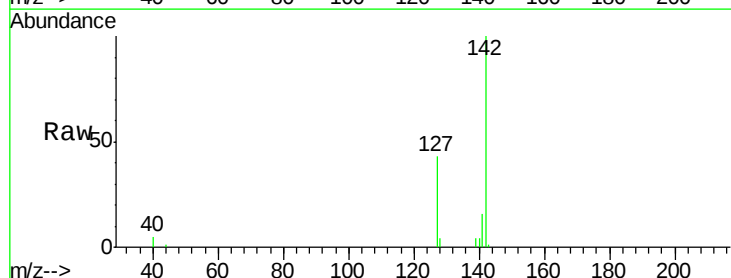
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

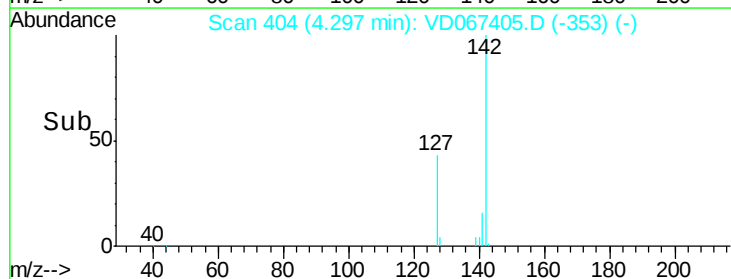
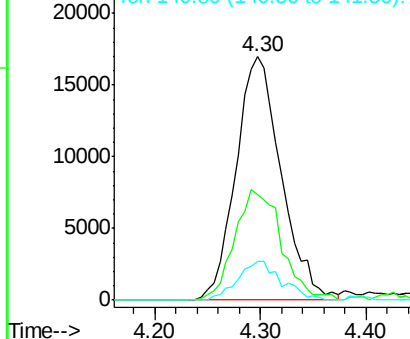
Lab File: VD067405.D

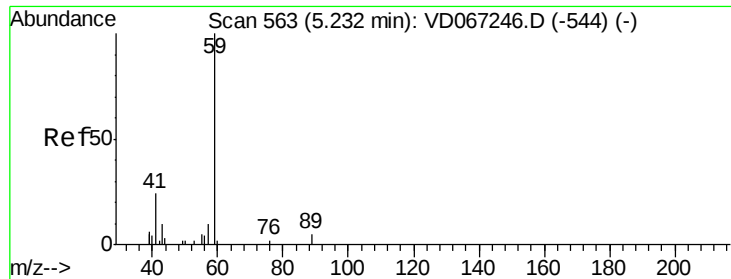
Acq: 27 Oct 2020 12:17

Tgt Ion:	142	Resp:	50552
Ion Ratio	Lower	Upper	
142	100		
127	46.6	38.4	57.6
141	15.2	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

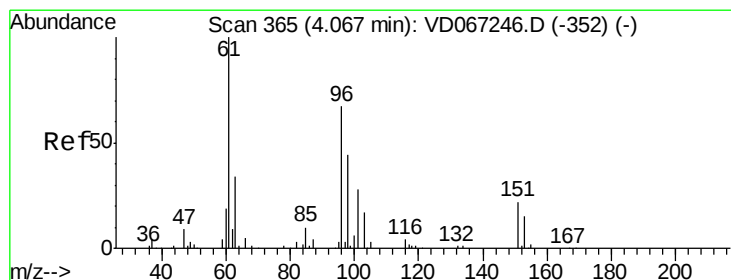
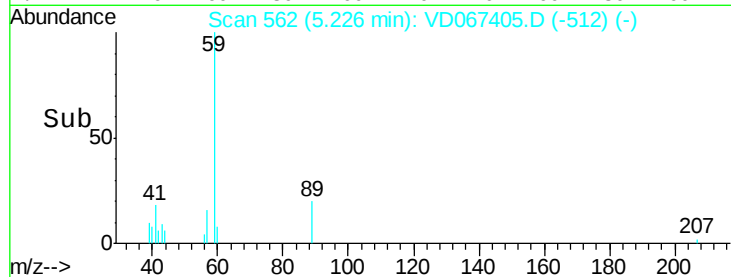
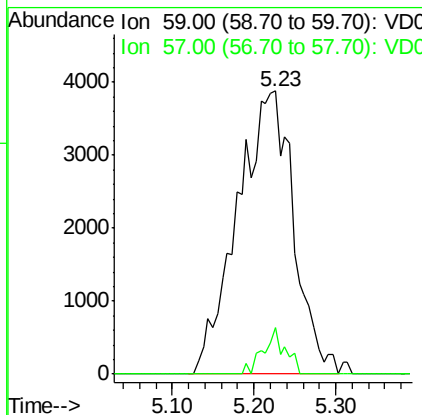
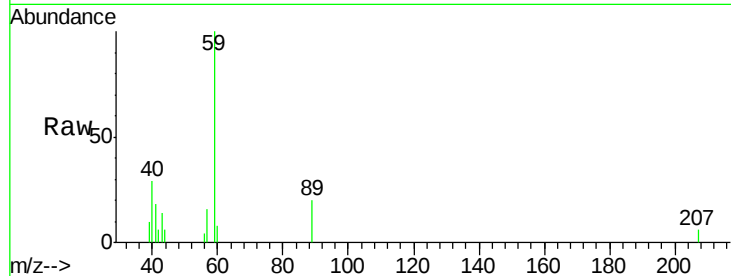
Tert butyl alcohol
 Concen: 87.886 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. -0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion: 59 Resp: 18488
 Ion Ratio Lower Upper
 59 100
 57 6.3 5.1 7.7

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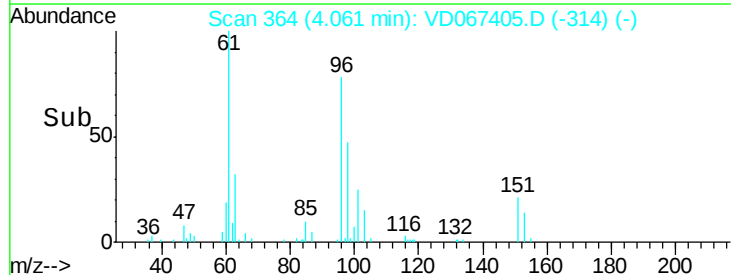
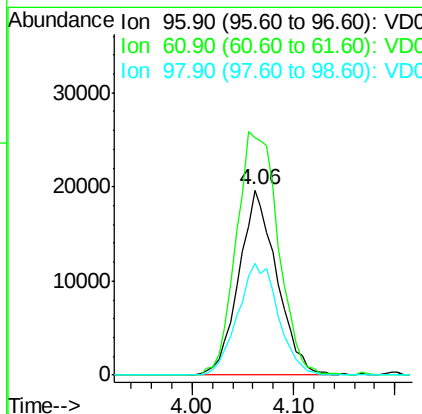
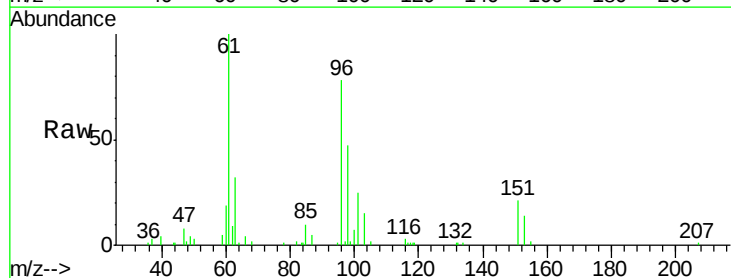
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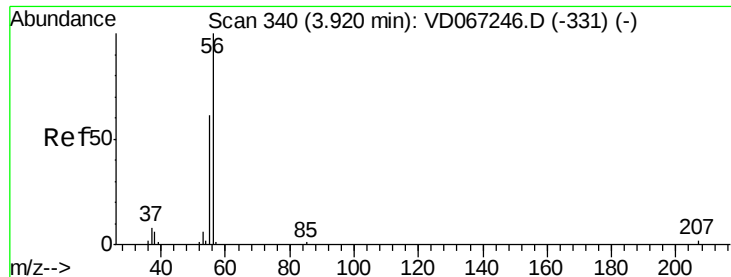


#12

1,1-Dichloroethene
 Concen: 20.471 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion: 96 Resp: 51056
 Ion Ratio Lower Upper
 96 100
 61 128.4 118.6 177.8
 98 60.1 51.8 77.6





#13

Acrolein

Concen: 60.021 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 56 Resp: 7599

Ion Ratio Lower Upper

56 100

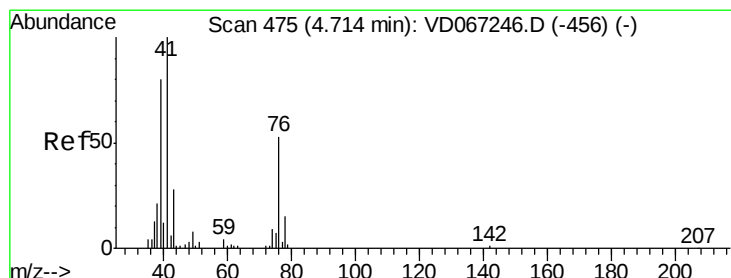
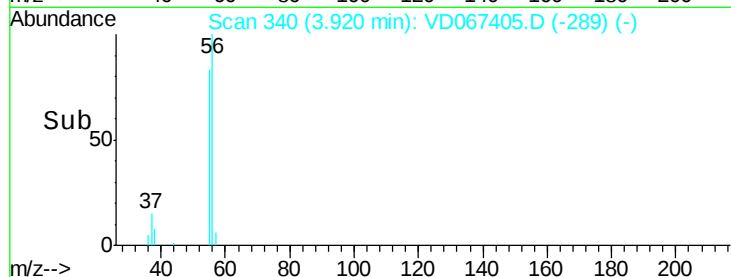
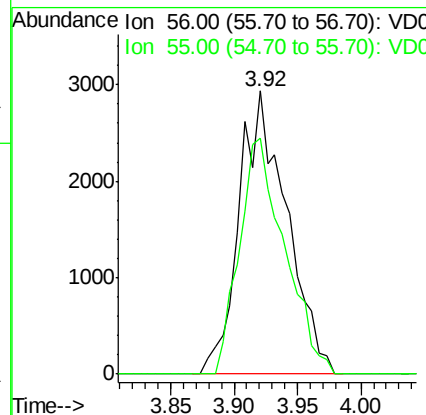
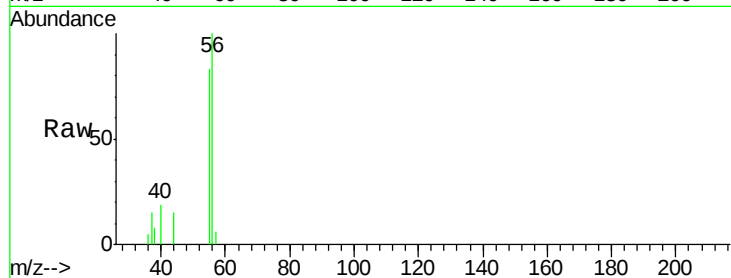
55 79.7 56.0 84.0

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#14

Allyl chloride

Concen: 19.997 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

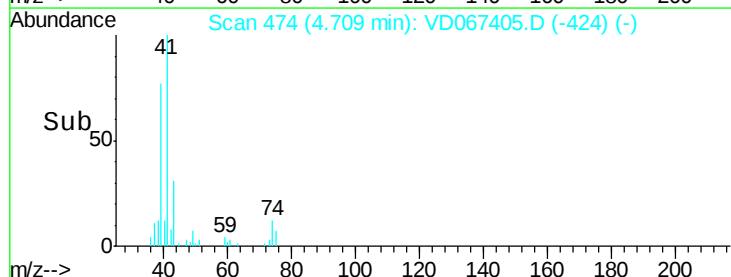
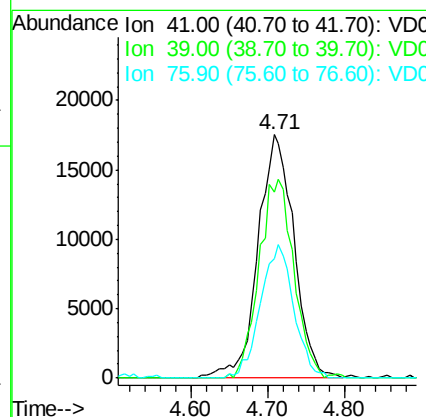
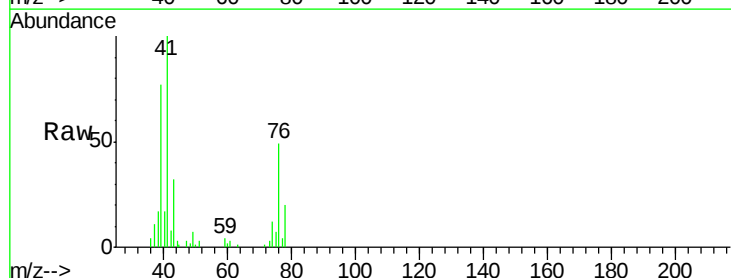
Tgt Ion: 41 Resp: 57115

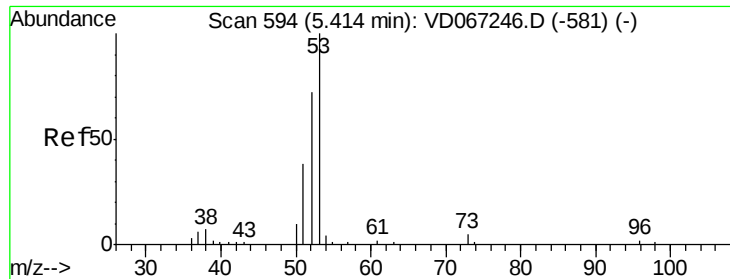
Ion Ratio Lower Upper

41 100

39 79.1 63.8 95.6

76 50.8 40.4 60.6





#15

Acrylonitrile

Concen: 104.793 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

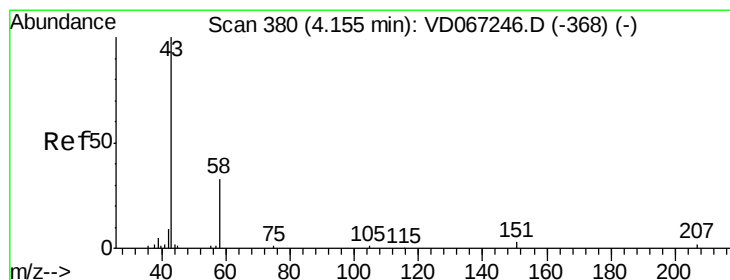
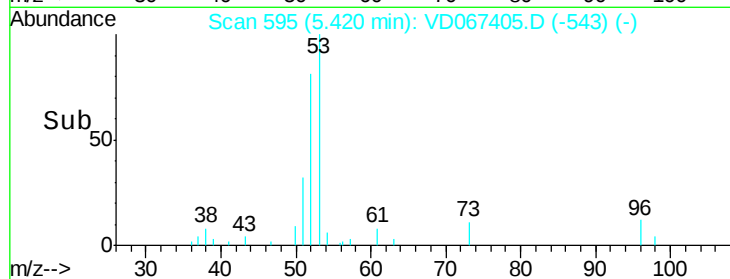
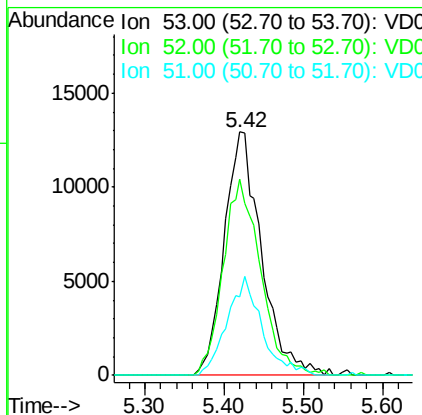
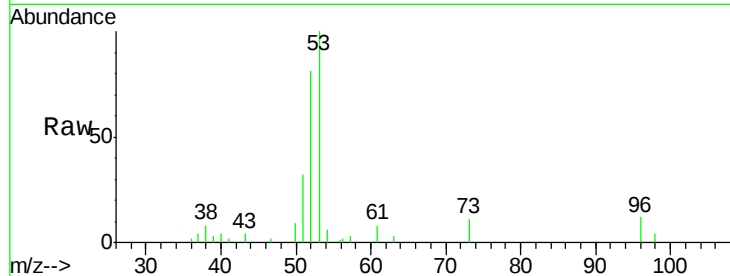
ClientSampleId :

VD1027SBS01

Tot Ion:	53	Resp:	42044
Ion	Ratio	Lower	Upper
53	100		
52	80.7	65.6	98.4
51	38.0	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 98.782 ug/l

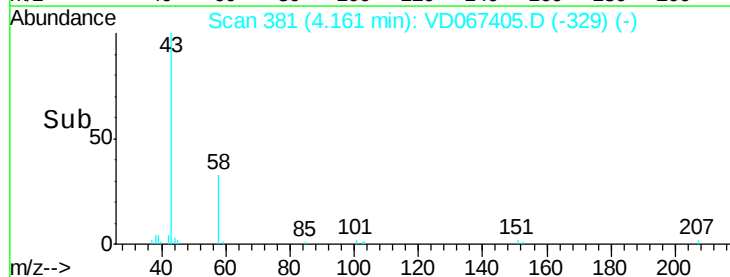
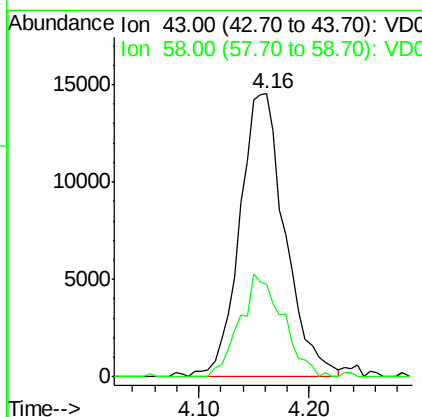
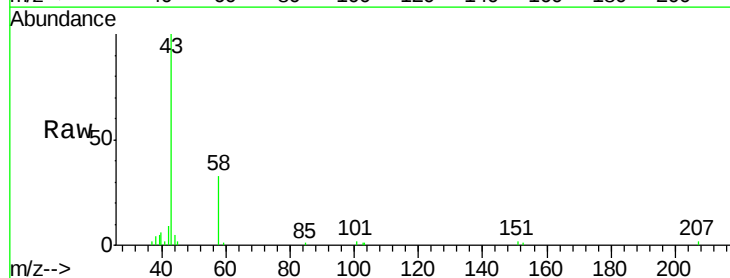
RT: 4.16 min Scan# 381

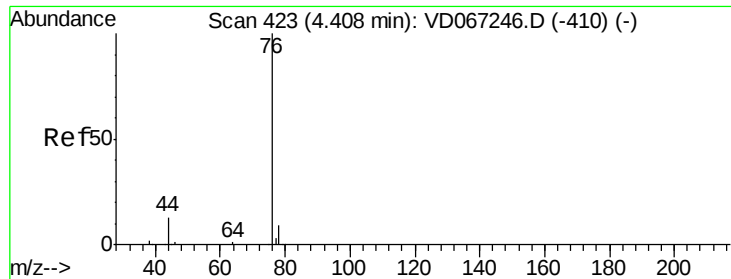
Delta R.T. 0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Tgt Ion:	43	Resp:	41885
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.1	39.1





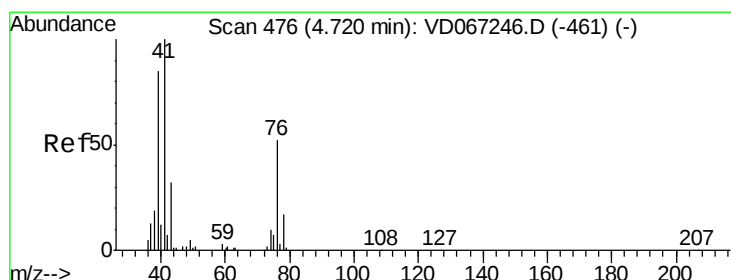
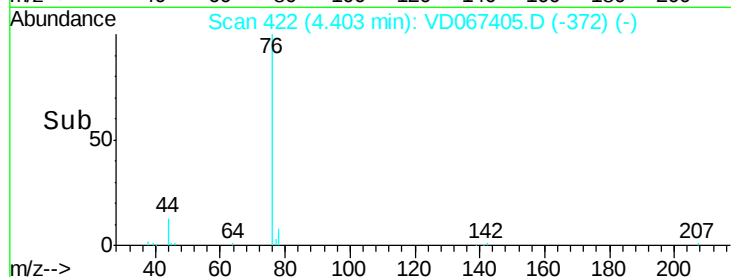
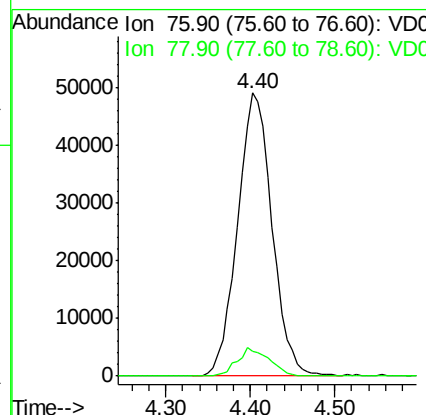
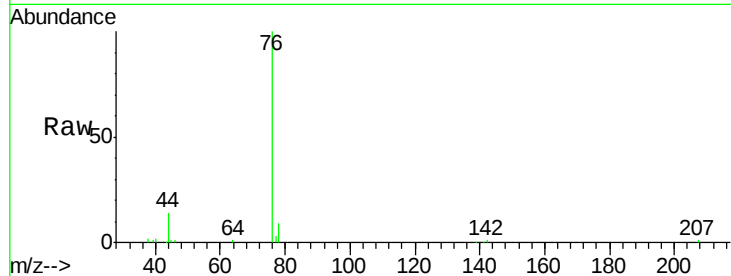
#17
Carbon Disulfide
Concen: 19.480 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

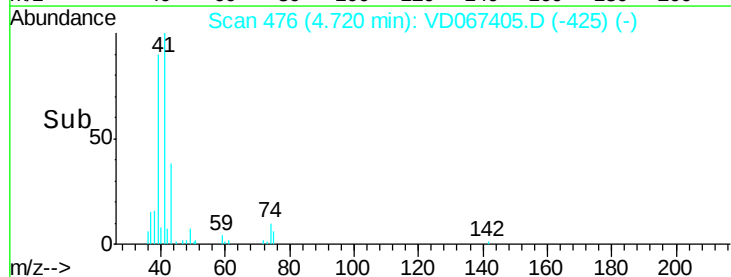
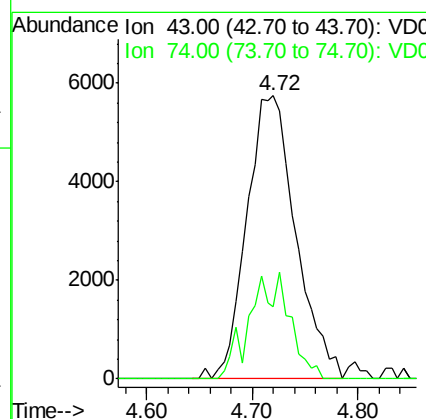
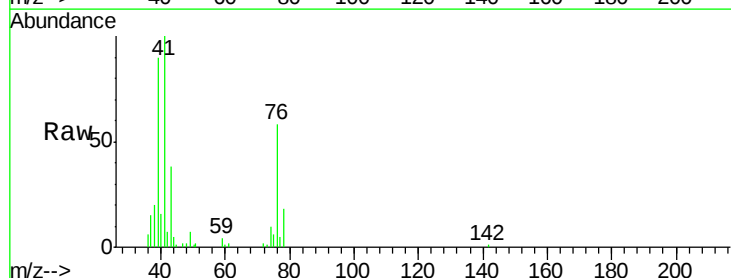
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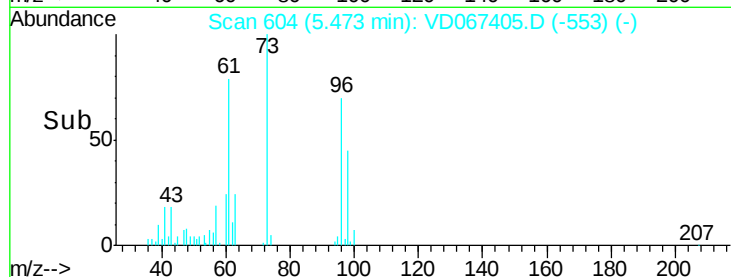
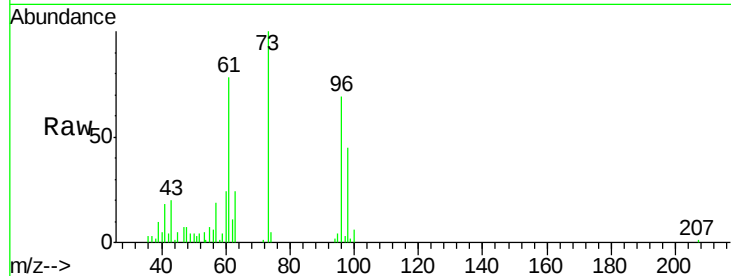
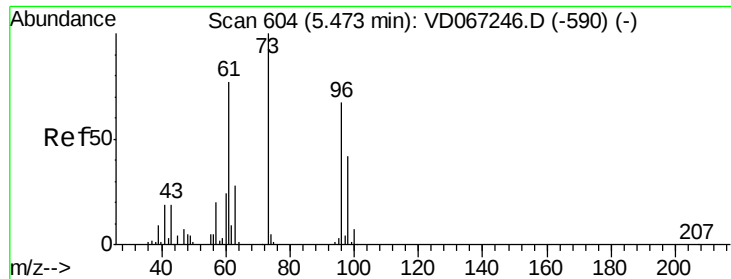
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#18
Methyl Acetate
Concen: 19.122 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	18.8	26.6	39.8#





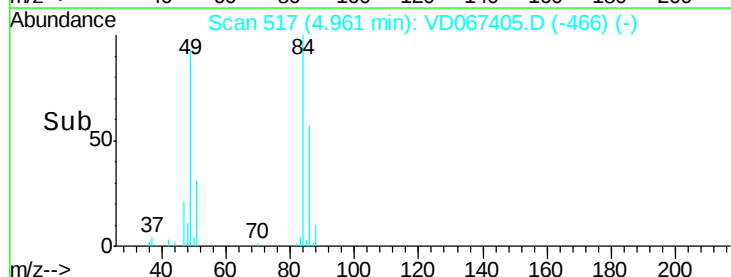
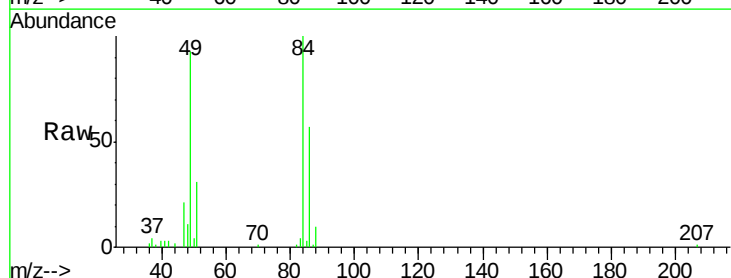
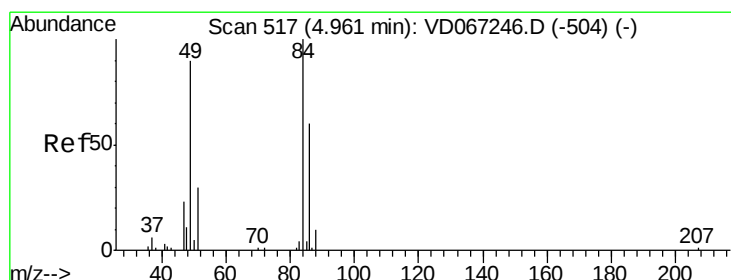
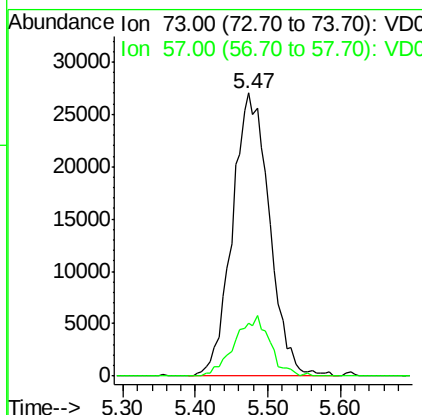
#19
Methvl tert-butvl Ether
Concen: 19.377 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tot Ion: 73 Resp: 96096
Ion Ratio Lower Upper
73 100
57 18.8 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

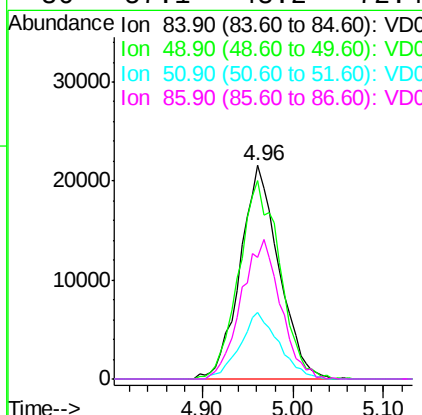
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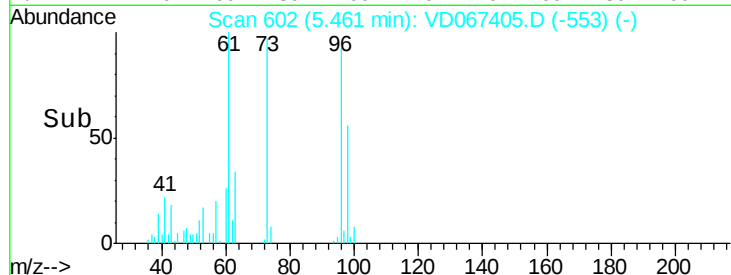
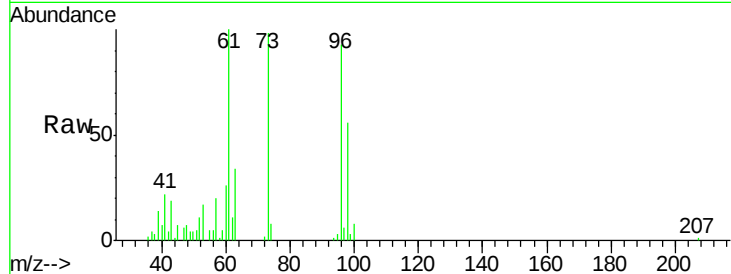
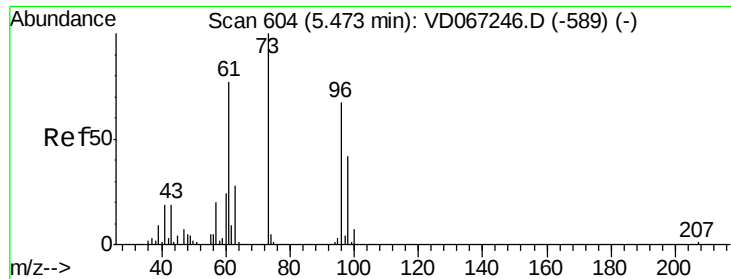
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#20
Methylene Chloride
Concen: 20.976 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 84 Resp: 64049
Ion Ratio Lower Upper
84 100
49 92.9 72.2 108.2
51 31.2 23.8 35.8
86 57.1 48.2 72.4





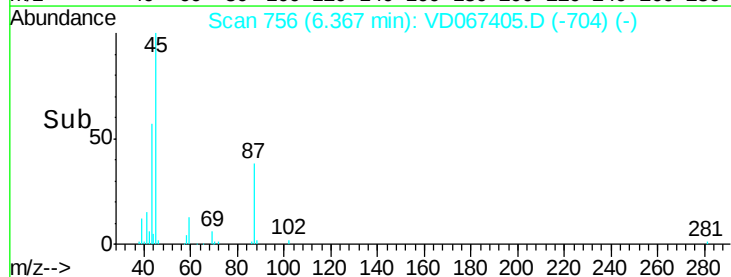
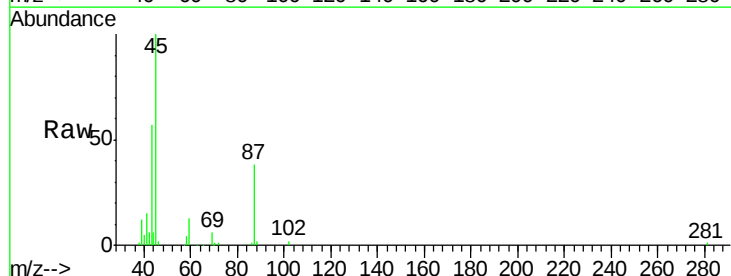
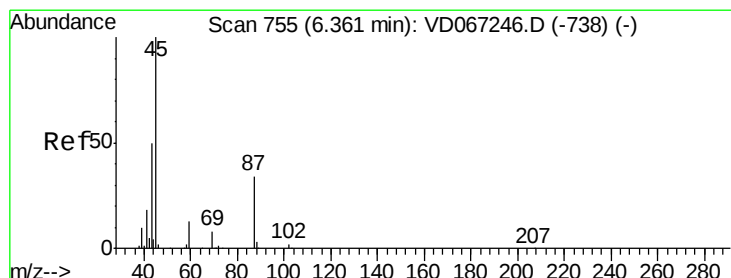
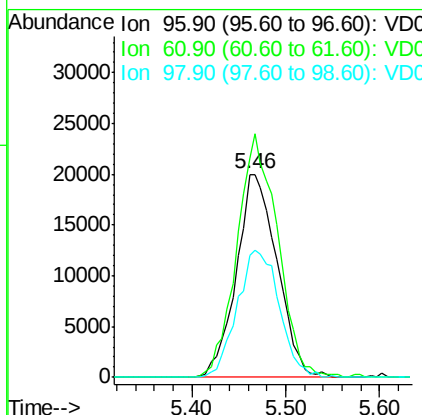
#21
trans-1,2-Dichloroethene
Concen: 20.942 ug/l
RT: 5.46 min Scan# 602
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tot Ion	Ratio	Resp	Lower	Upper
96	100	60107		
61	108.0		92.0	138.0
98	59.9		49.8	74.8

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

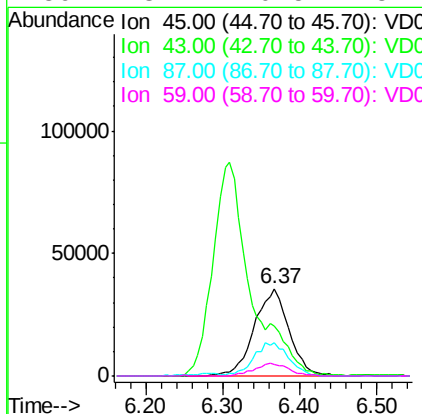
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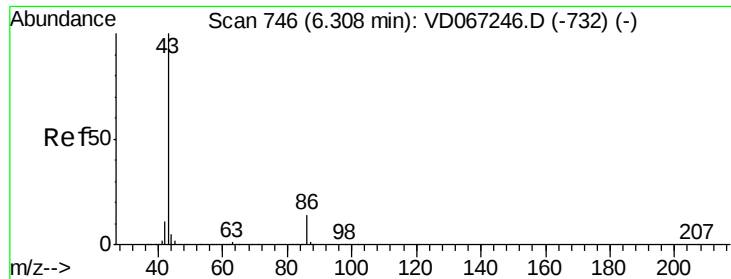
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#22
Diisopropyl ether
Concen: 21.519 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	112276		
43	55.2		48.0	72.0
87	37.6		28.5	42.7
59	13.4		10.5	15.7





#23

Vinyl Acetate

Concen: 100.181 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 43 Resp: 297378

Ion Ratio Lower Upper

43 100

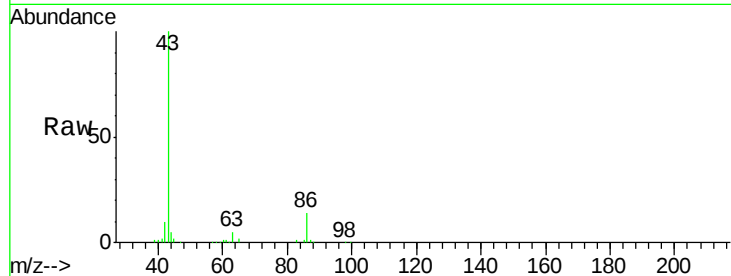
86 14.3 11.0 16.6

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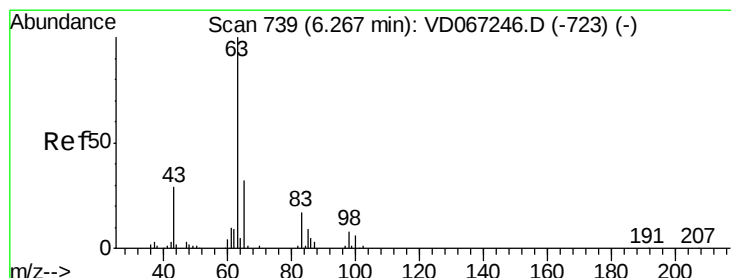
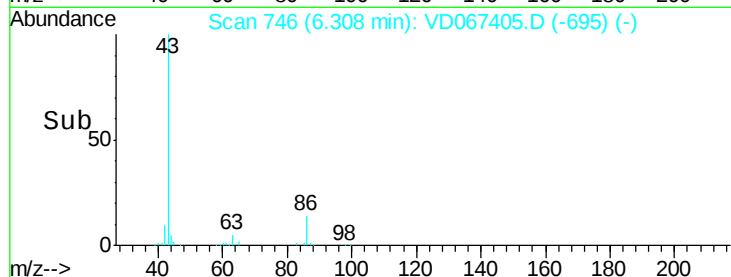
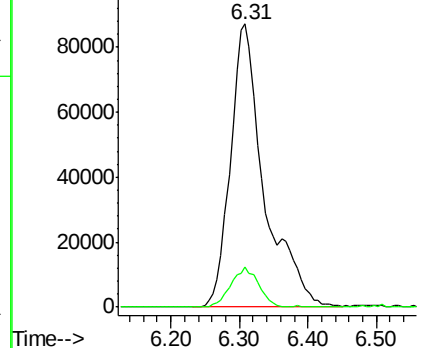
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.185 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

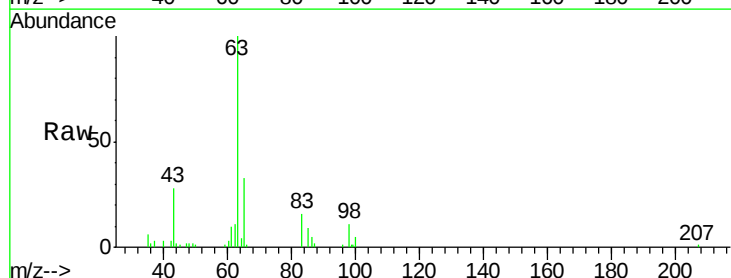
Tgt Ion: 63 Resp: 94620

Ion Ratio Lower Upper

63 100

98 11.0 4.0 12.2

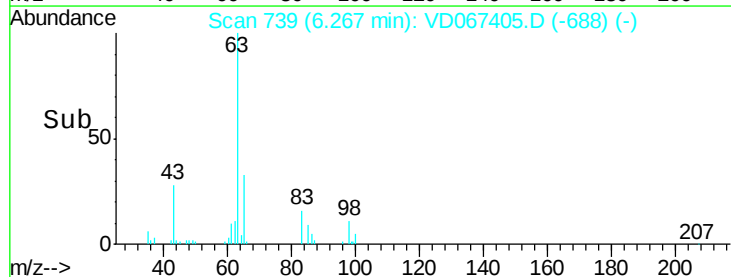
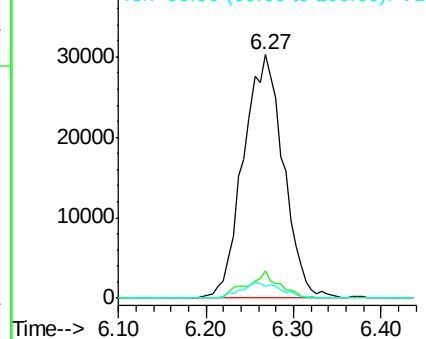
100 4.7 2.8 8.4

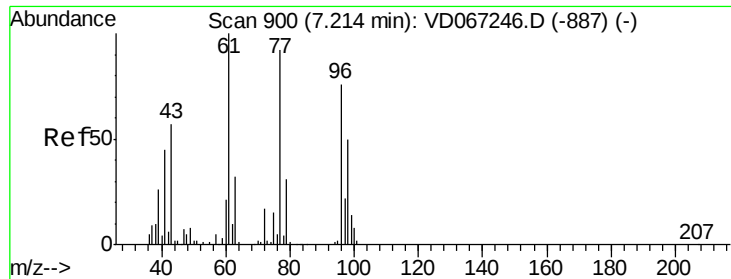


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 100.318 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 43 Resp: 48487

Ion Ratio Lower Upper

43 100

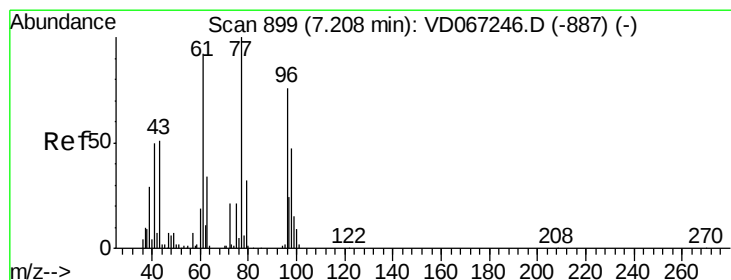
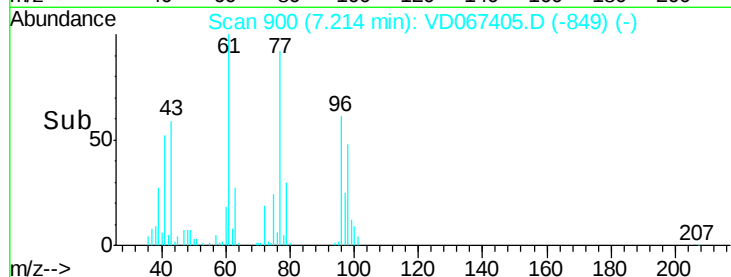
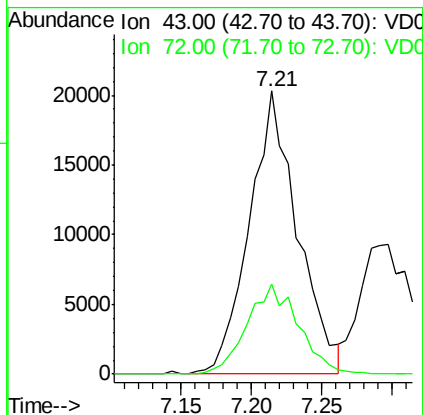
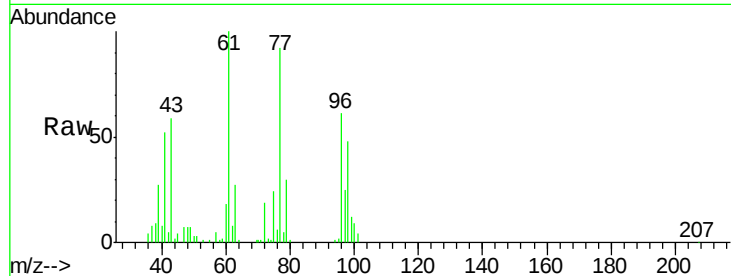
72 32.1 23.7 35.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.741 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067405.D

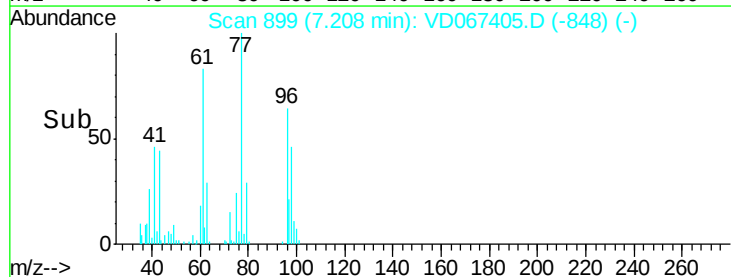
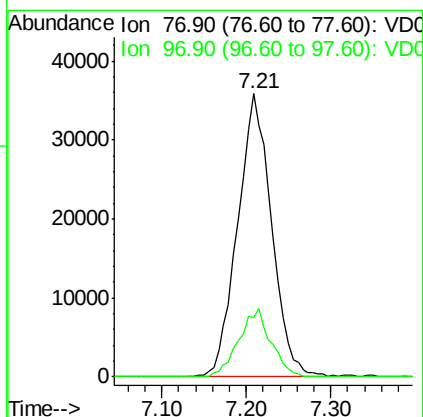
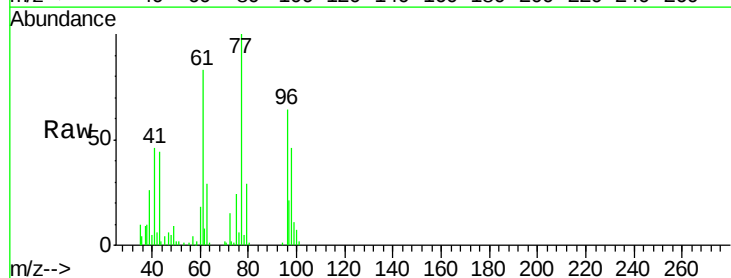
Acq: 27 Oct 2020 12:17

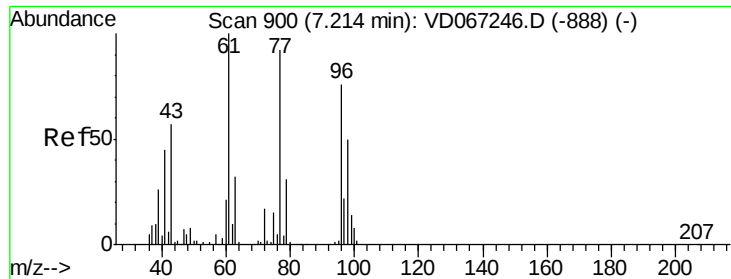
Tgt Ion: 77 Resp: 100087

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.2





#27

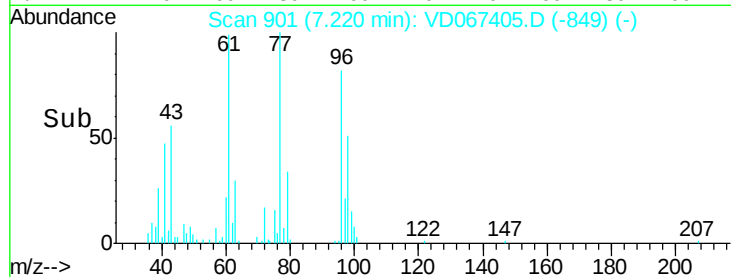
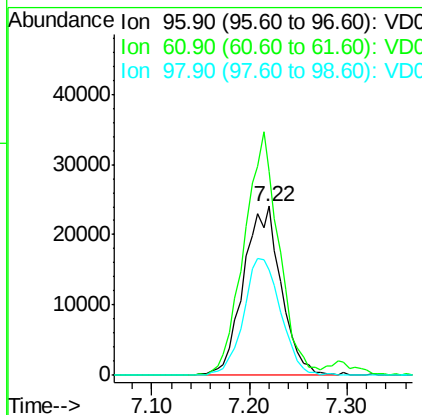
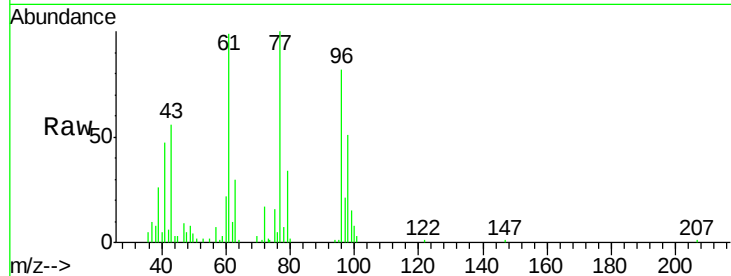
cis-1,2-Dichloroethene
Concen: 20.671 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.5	0.0	255.4
98	67.9	0.0	128.0

Manual Integrations
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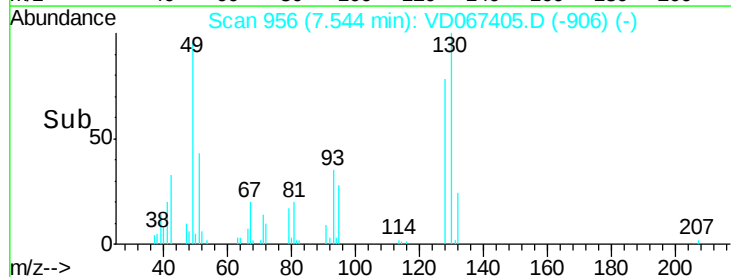
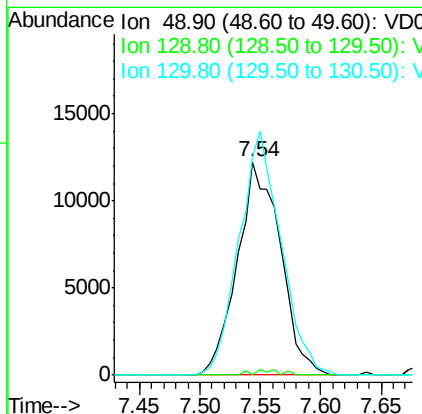
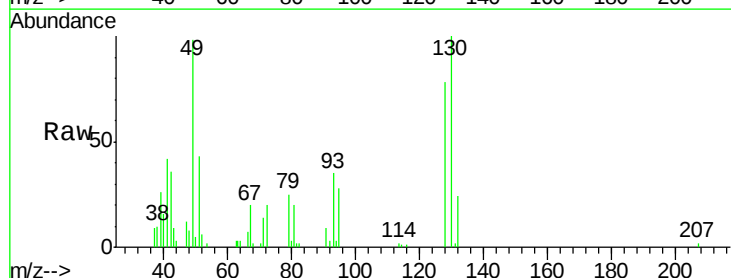
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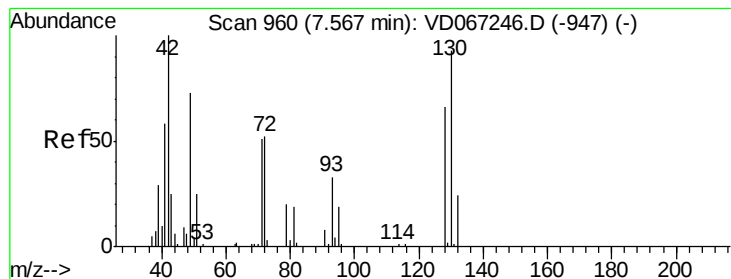


#28

Bromochloromethane
Concen: 19.839 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	1.6
130	111.6	91.0	136.6





#29

Tetrahydrofuran

Concen: 102.756 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

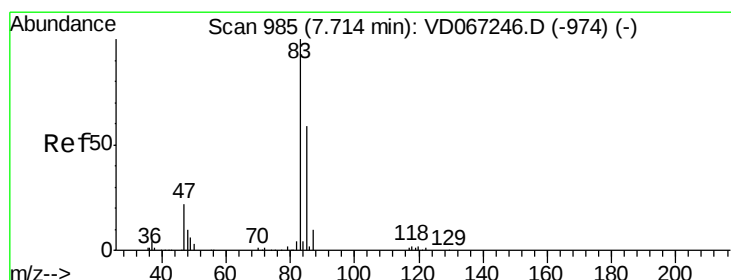
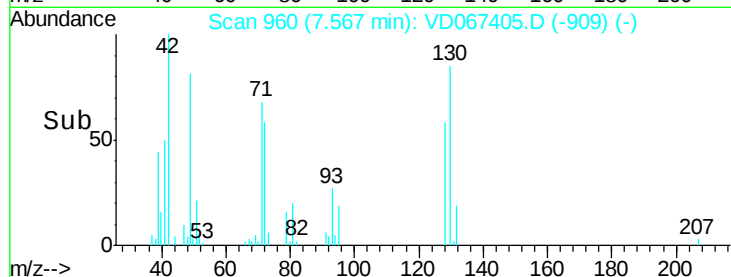
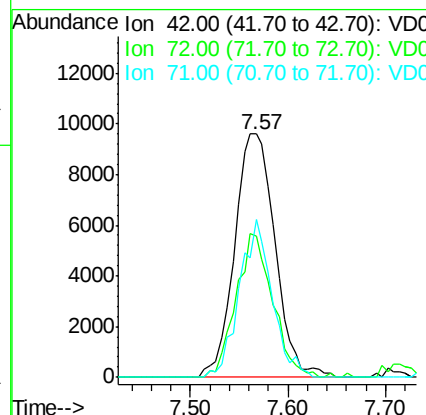
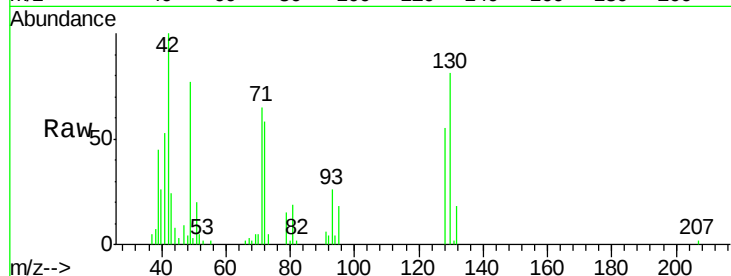
ClientSampleId :

VD1027SBS01

Tot Ion:	42	Resp:	27608
Ion	Ratio	Lower	Upper
42	100		
72	53.5	43.2	64.8
71	52.6	39.4	59.0

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#30

Chloroform

Concen: 22.068 ug/l

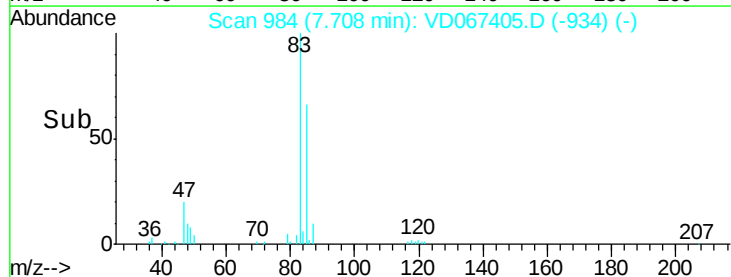
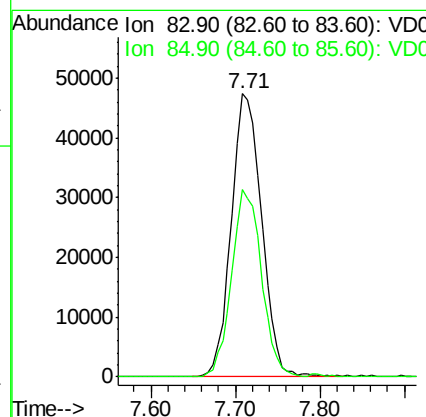
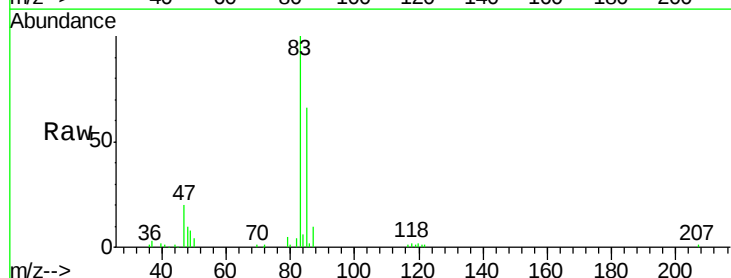
RT: 7.71 min Scan# 984

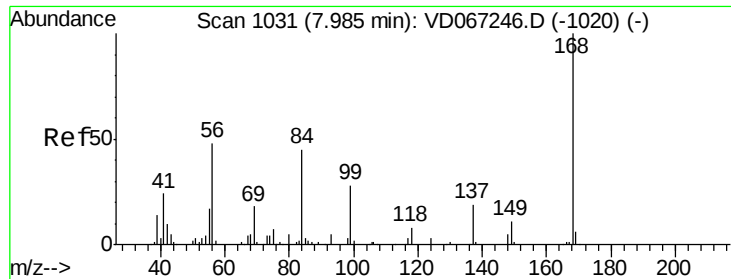
Delta R.T. -0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Tgt Ion:	83	Resp:	117744
Ion	Ratio	Lower	Upper
83	100		
85	66.1	47.3	70.9





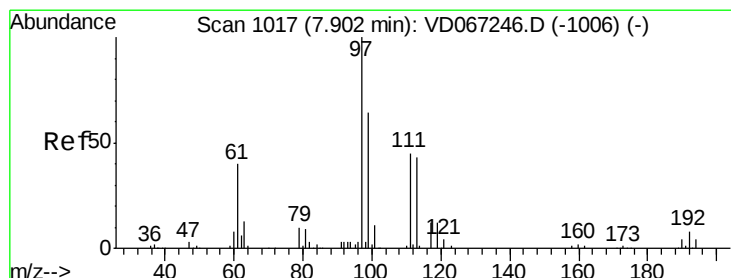
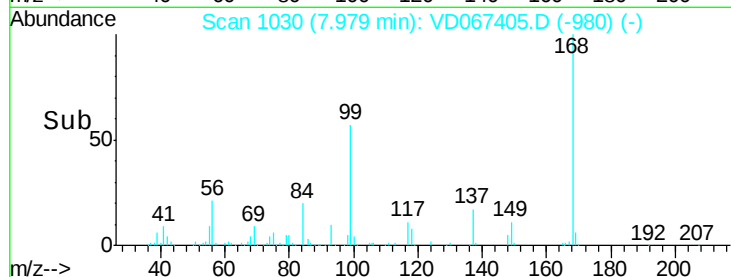
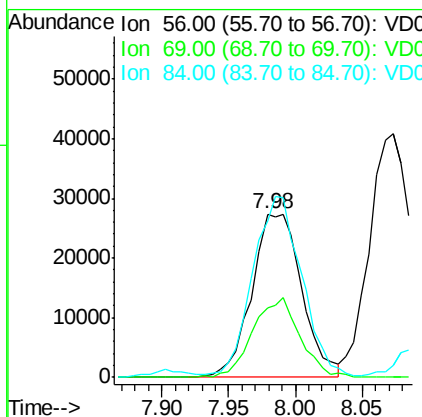
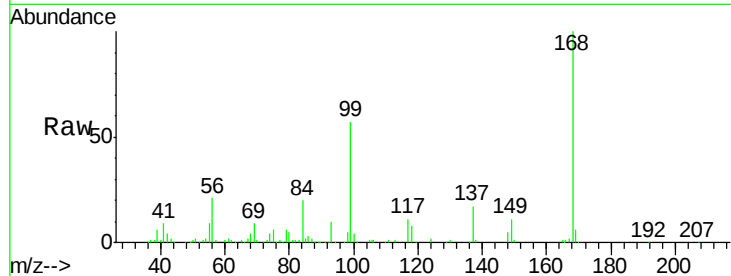
#31
Cyclohexane
Concen: 20.417 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.8	29.8	44.6
84	93.7	76.6	114.8

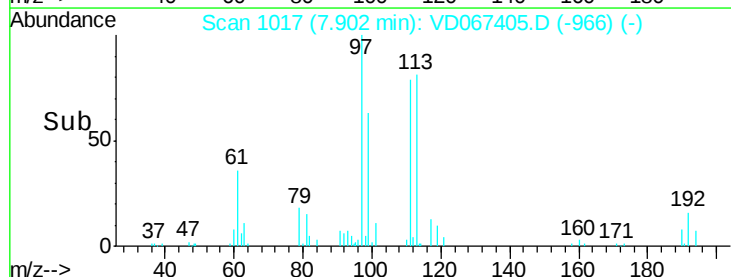
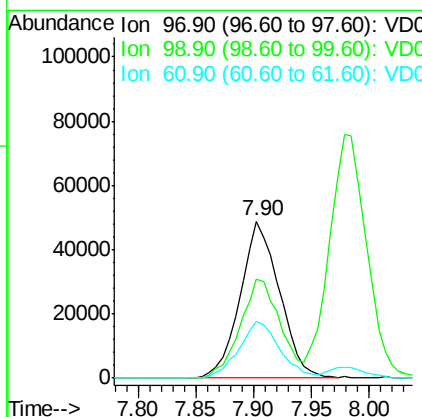
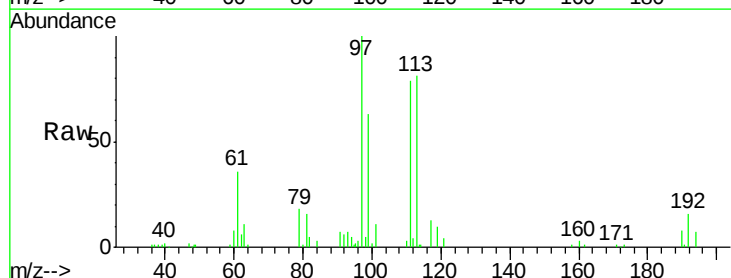
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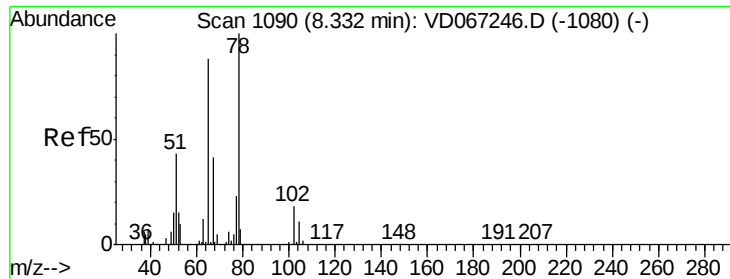
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#32
1,1,1-Trichloroethane
Concen: 22.100 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.2	75.4
61	37.5	30.5	45.7





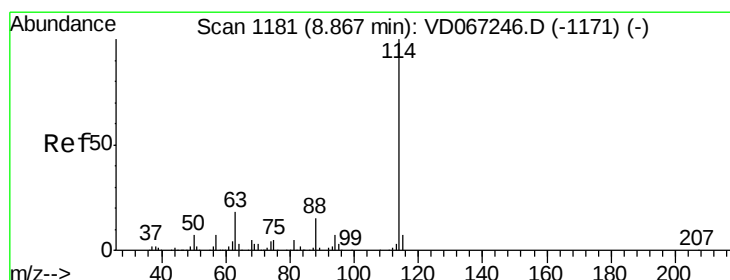
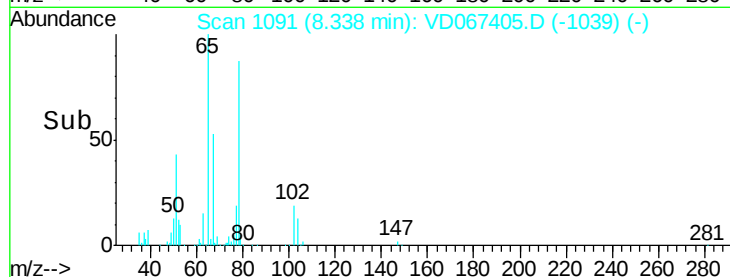
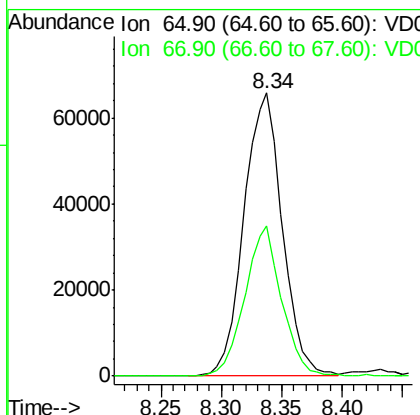
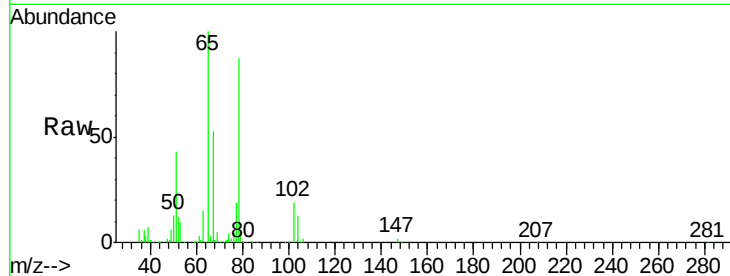
#33
 1,2-Dichloroethane-d4
 Concen: 48.069 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.8	0.0	103.8	

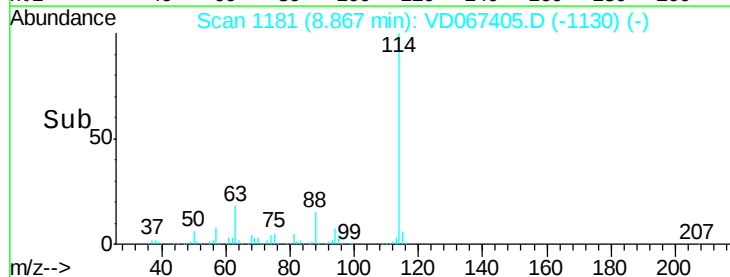
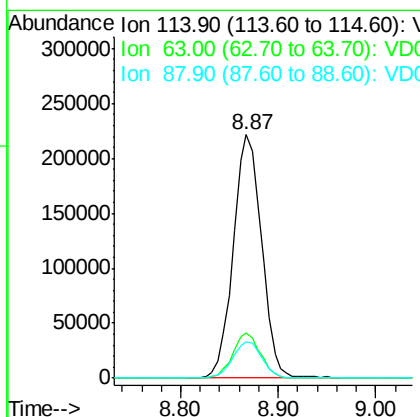
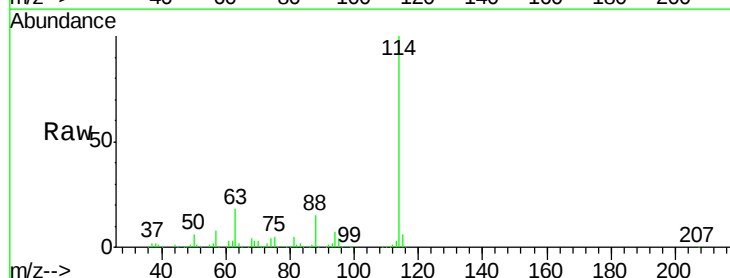
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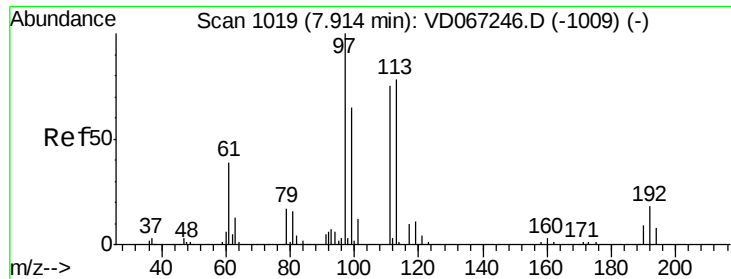
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.4	0.0	35.0	
88	14.9	0.0	30.6	





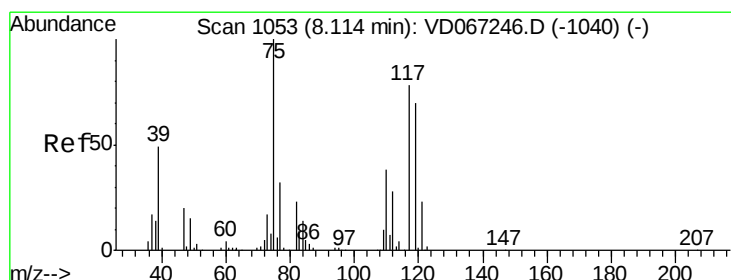
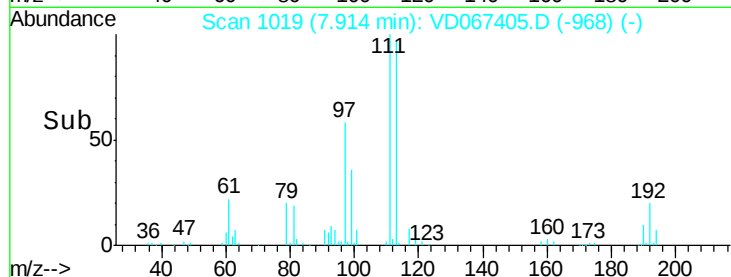
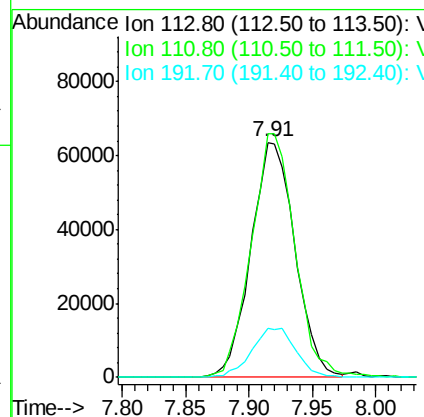
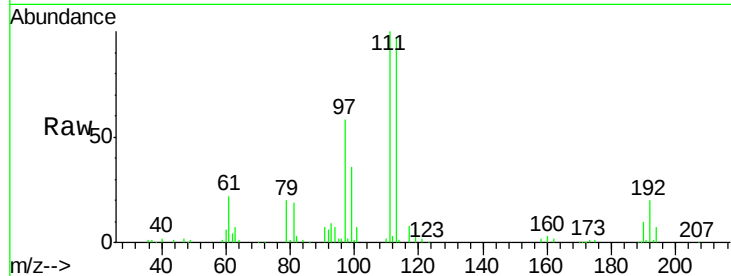
#35
 Dibromofluoromethane
 Concen: 51.781 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.2	81.6	122.4	
192	21.1	17.0	25.4	

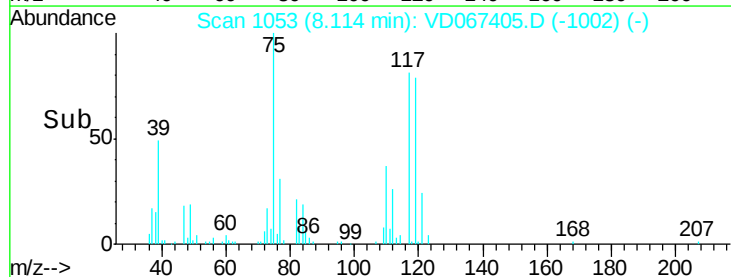
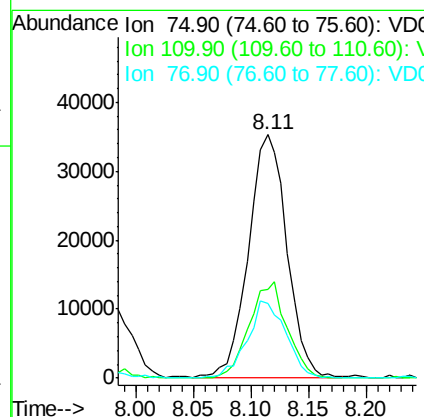
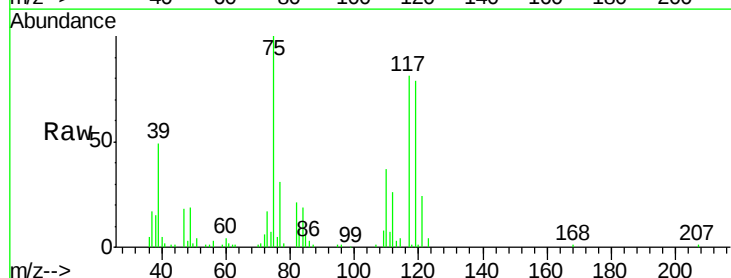
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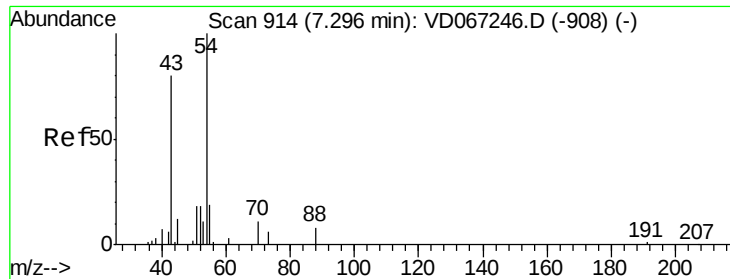
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#36
 1,1-Dichloropropene
 Concen: 21.724 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.4	19.6	58.7	
77	31.5	24.6	37.0	





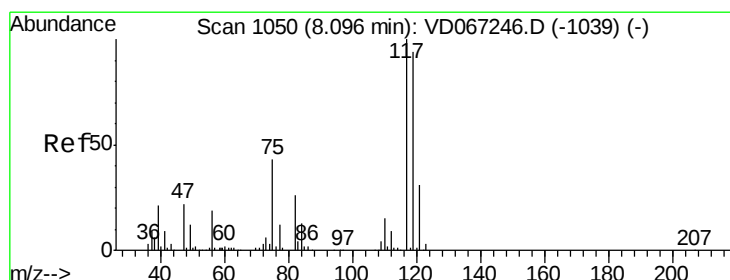
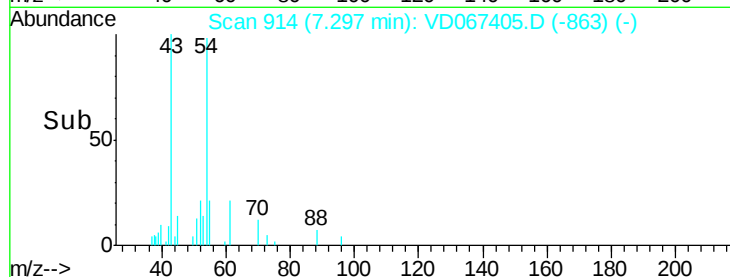
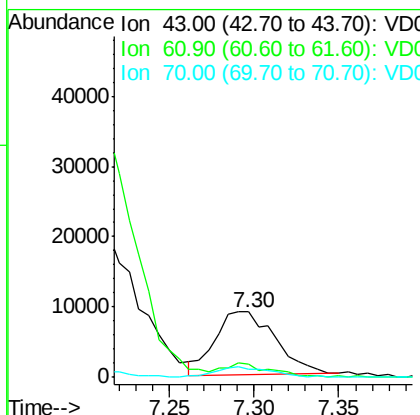
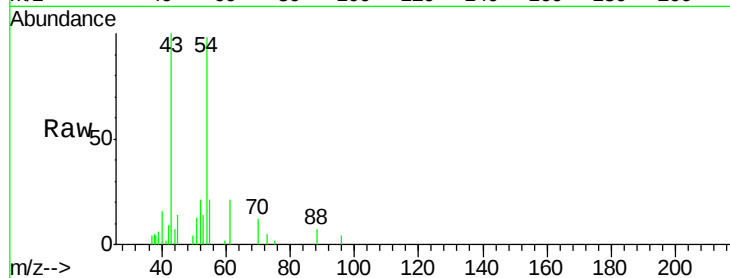
#37
Ethyl Acetate
Concen: 19.990 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleID :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.8	15.6	23.4
70	15.2	10.4	15.6

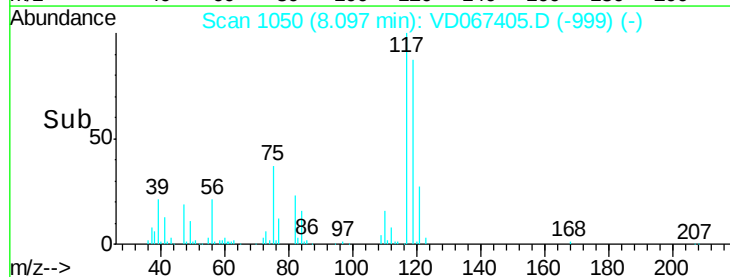
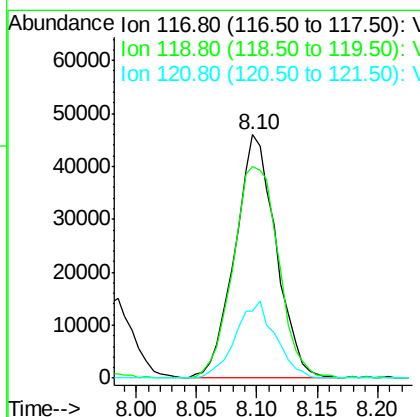
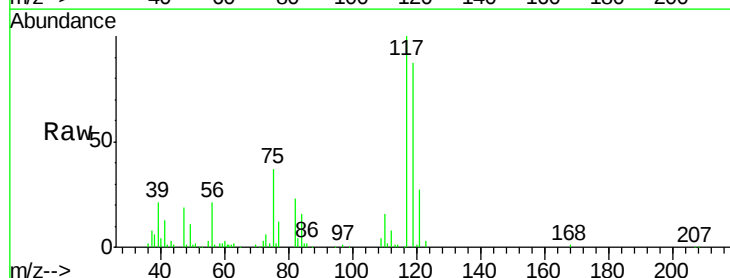
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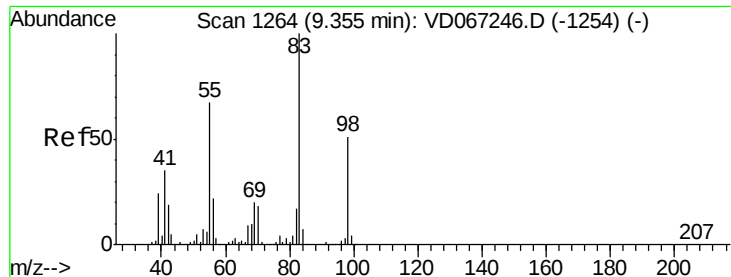
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#38
Carbon Tetrachloride
Concen: 22.537 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.0	75.0	112.4
121	27.5	24.9	37.3





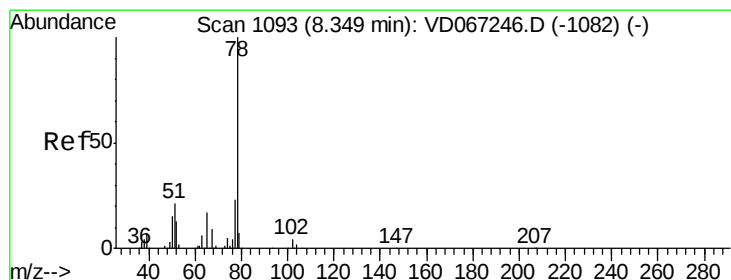
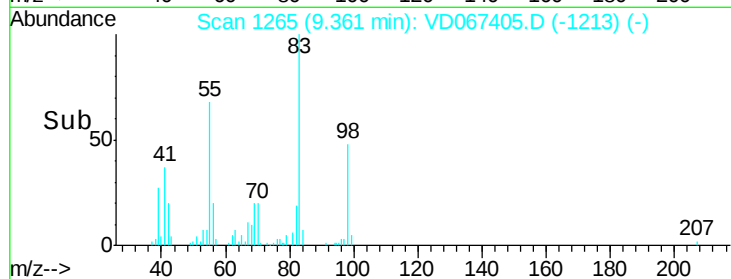
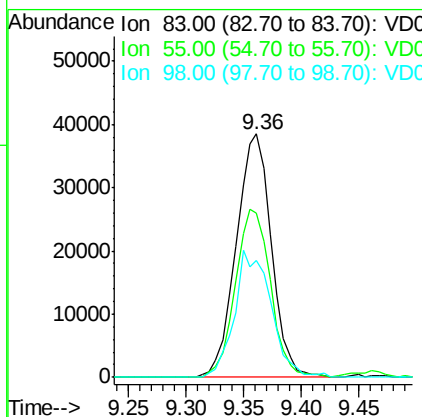
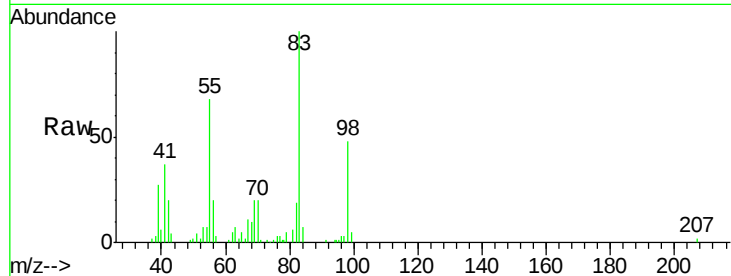
#39
Methvlcvclohexane
Concen: 20.546 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.7	53.3	79.9
98	48.0	41.0	61.4

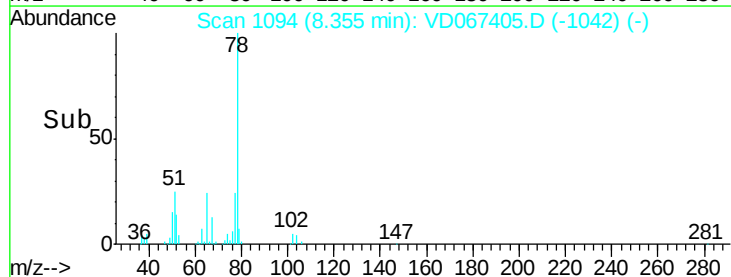
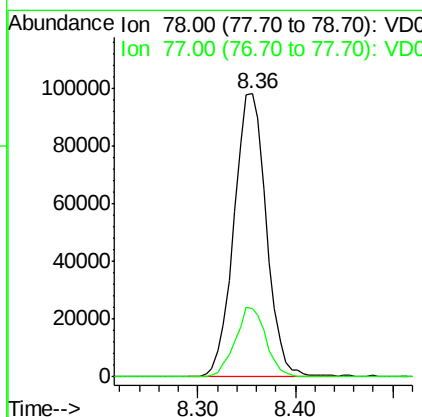
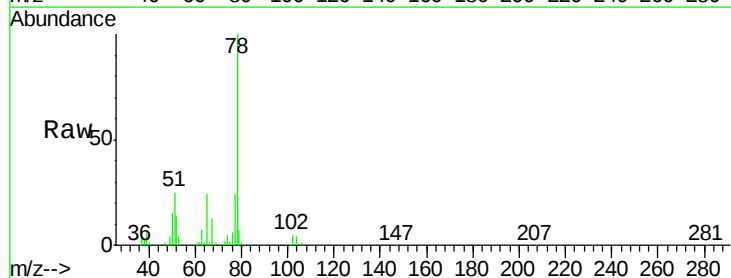
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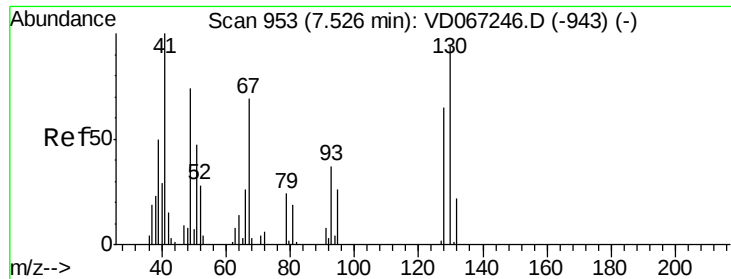
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#40
Benzene
Concen: 21.849 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.3	27.5





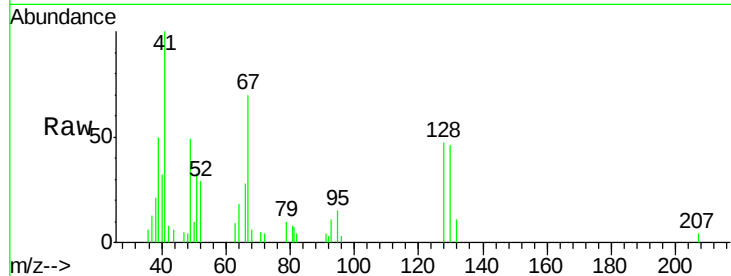
#41
Methacrylonitrile
Concen: 17.726 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

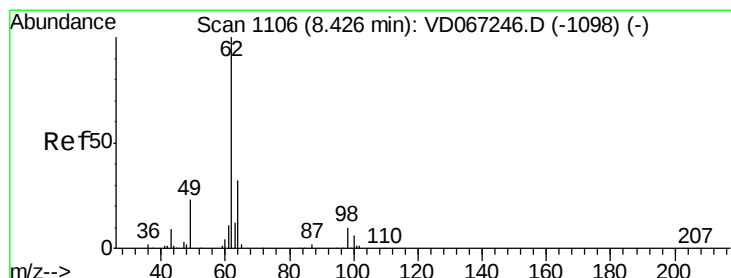
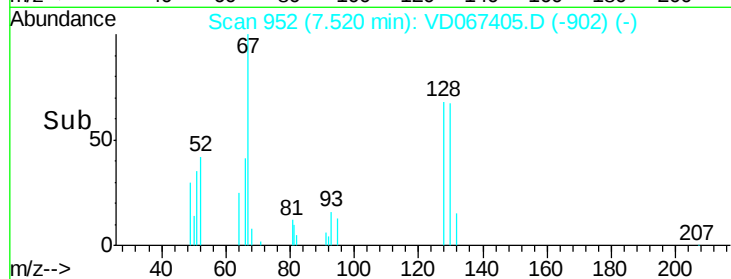
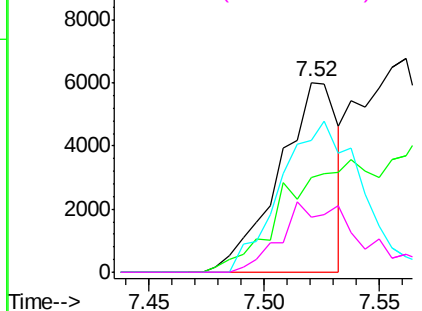
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.0	90.0#
67	110.6	88.9	133.3
52	49.3	36.9	55.3

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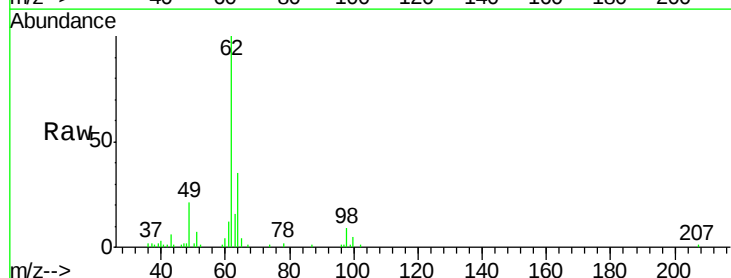


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

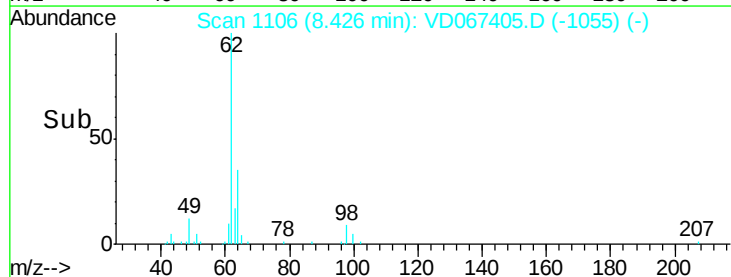
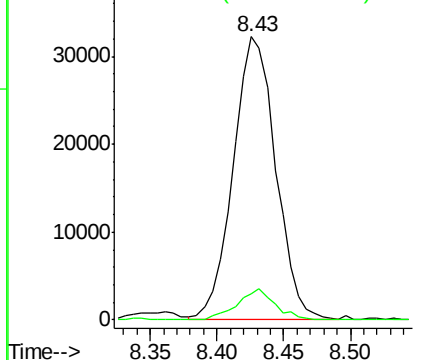


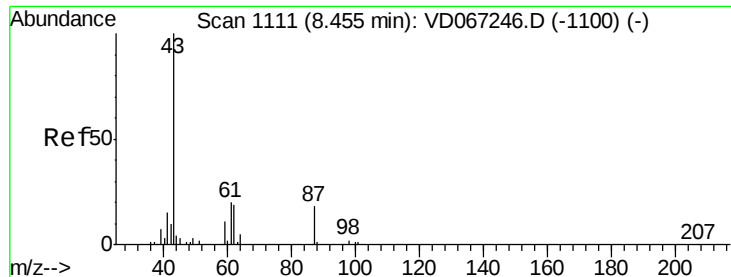
#42
1,2-Dichloroethane
Concen: 21.978 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





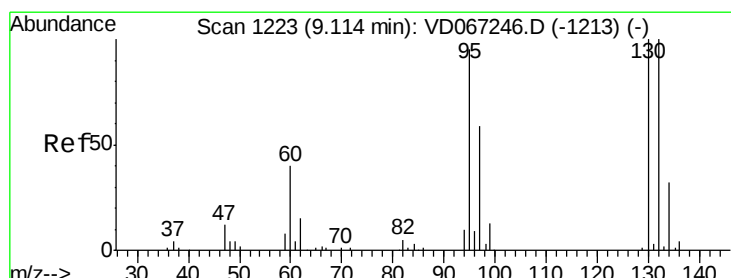
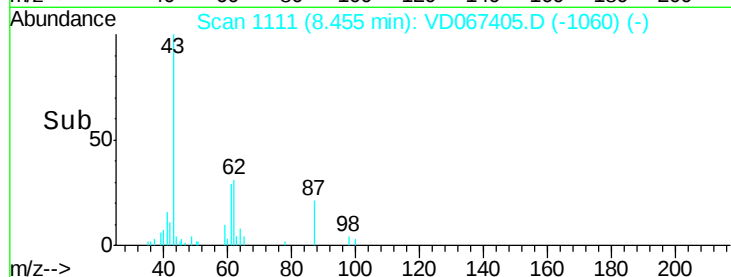
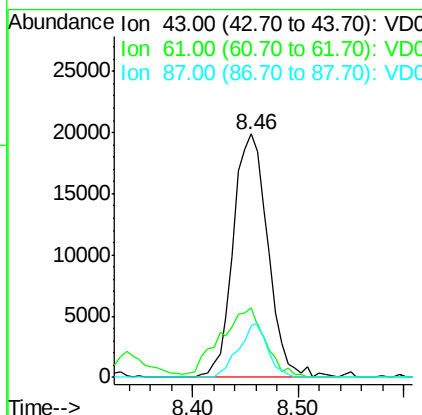
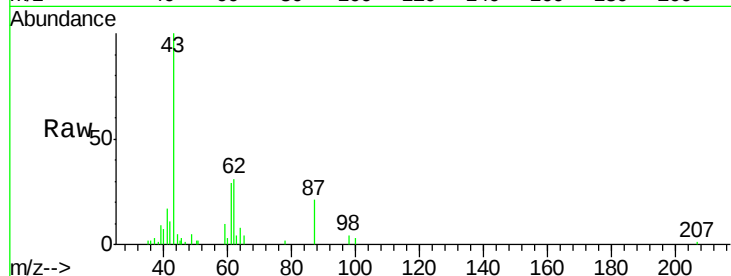
#43
Isopropyl Acetate
Concen: 20.397 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.3	29.5	44.3
87	18.6	14.2	21.4

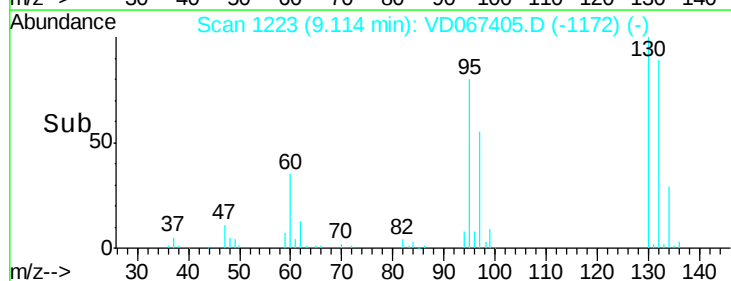
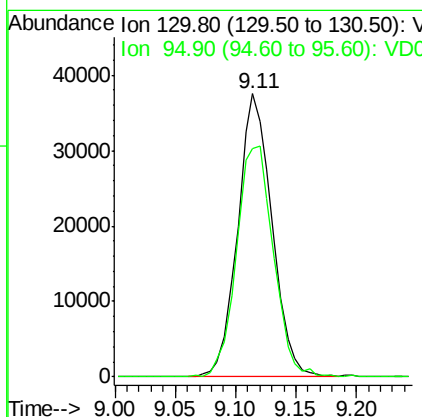
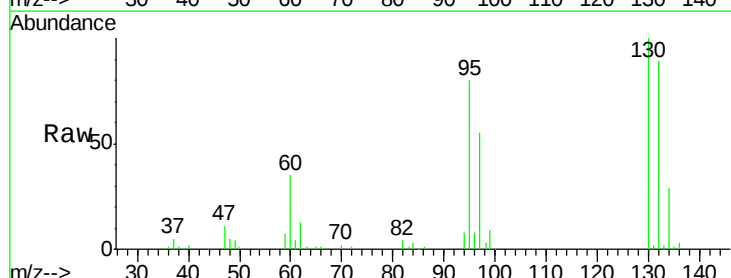
Manual Integrations
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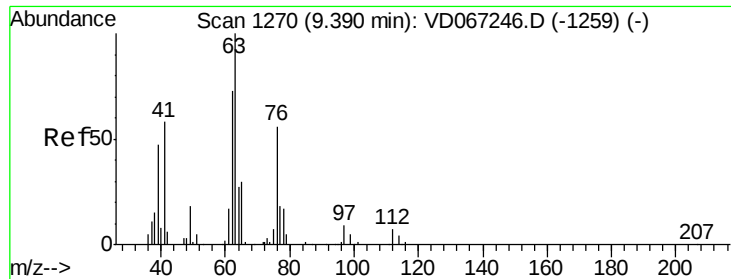
MMDadoda
10/28/2020 11:45:24 AM



#44
Trichloroethene
Concen: 22.318 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	80.5	0.0	190.6





#45

1,2-Dichloropropane

Concen: 21.414 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 63 Resp: 51529

Ion Ratio Lower Upper

63 100

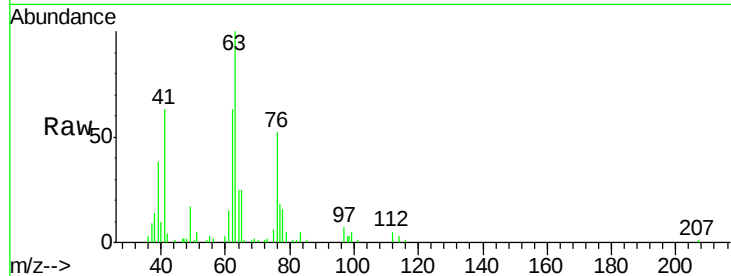
65 24.6 24.6 36.8

Manual Integrations

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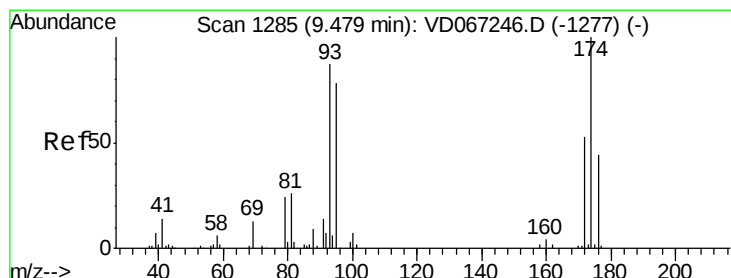
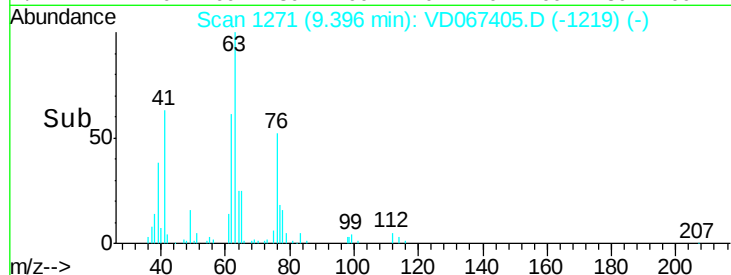
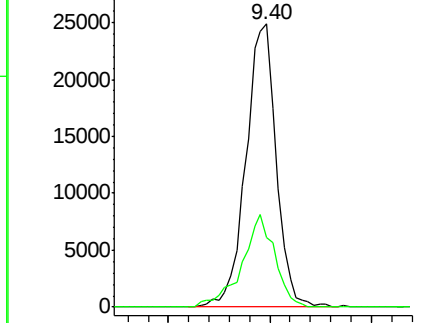
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 21.331 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

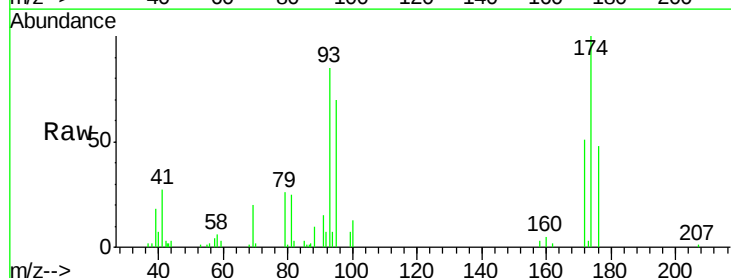
Tgt Ion: 93 Resp: 31981

Ion Ratio Lower Upper

93 100

95 86.2 68.0 102.0

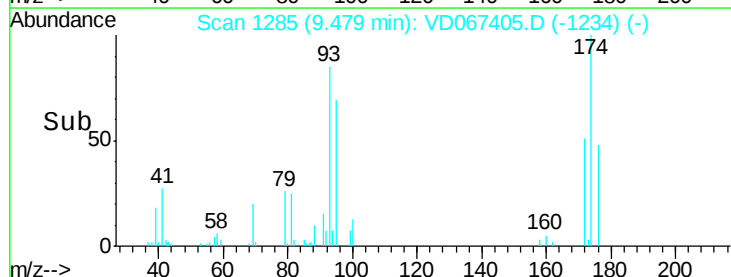
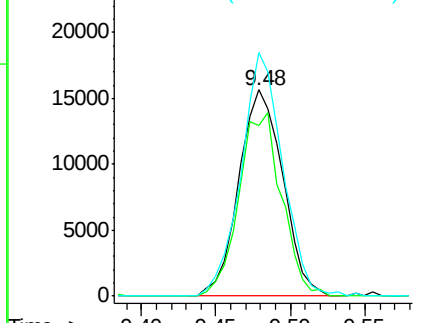
174 111.5 91.8 137.6

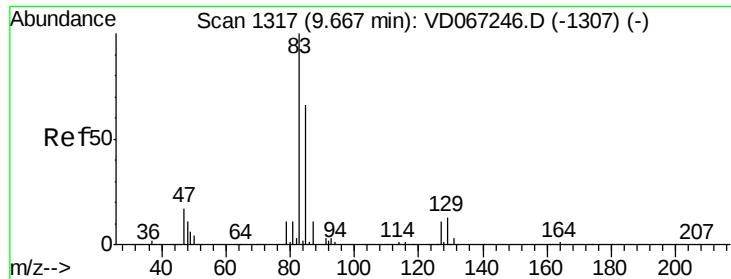


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





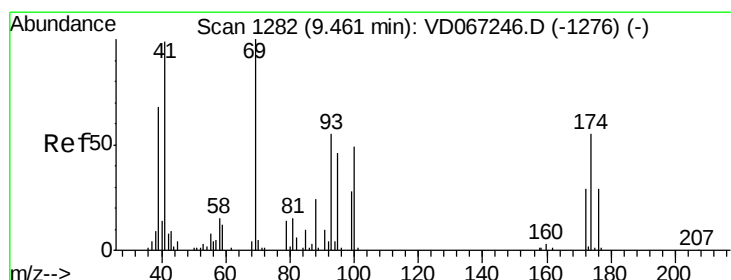
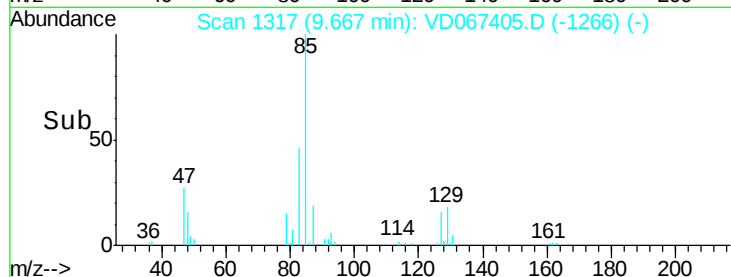
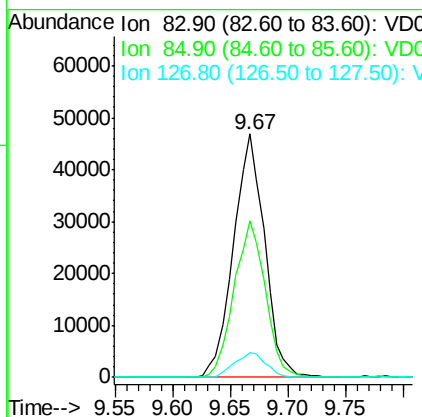
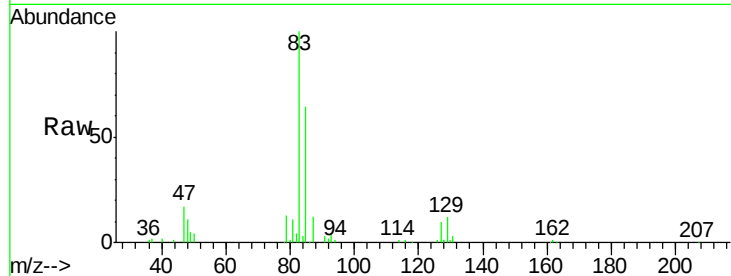
#47
Bromodichloromethane
Concen: 21.904 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	83	Resp	87982
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	53.1	79.7
127	10.3	8.6	13.0

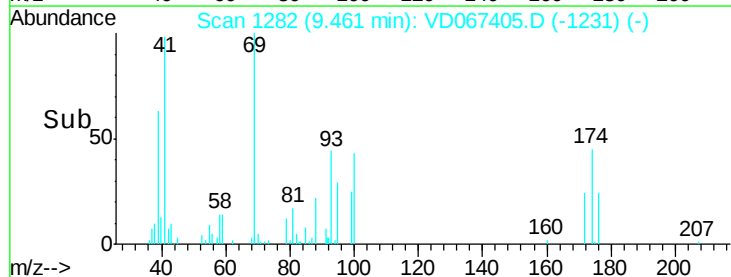
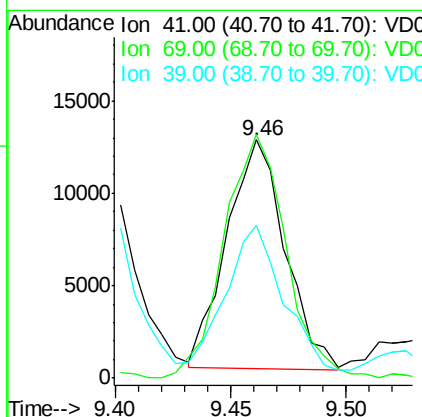
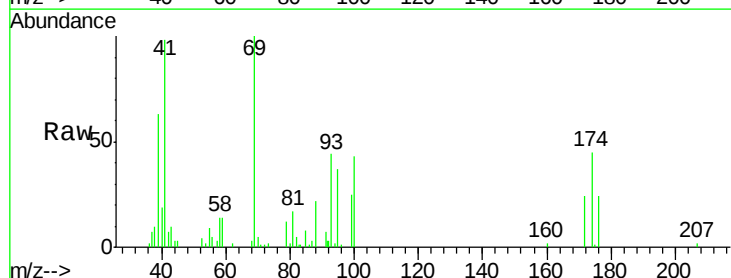
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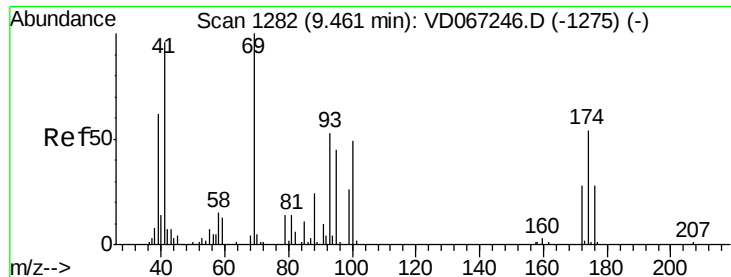
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#48
Methyl methacrylate
Concen: 20.325 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	41	Resp	21824
Ion Ratio	100	Lower	Upper
41	100		
69	112.9	89.0	133.6
39	70.1	60.2	90.2





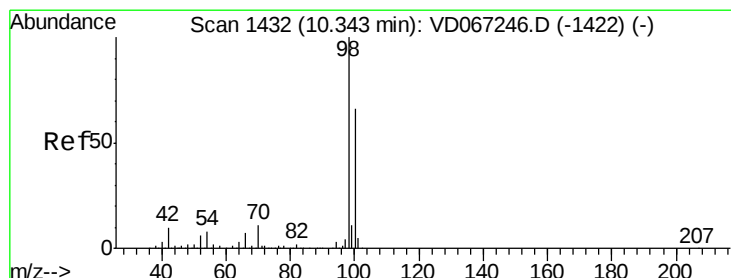
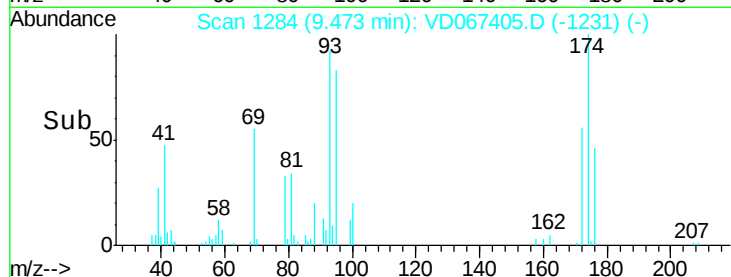
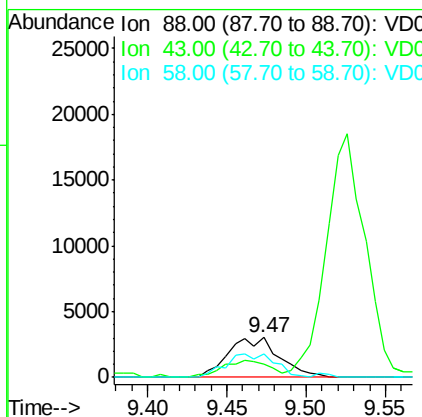
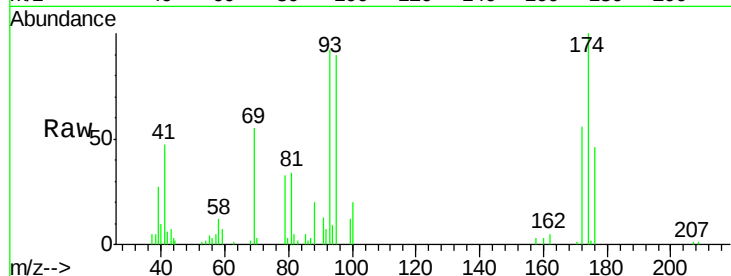
#49
1,4-Dioxane
Concen: 442.948 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	23.9	35.9#
58	58.6	51.0	76.6

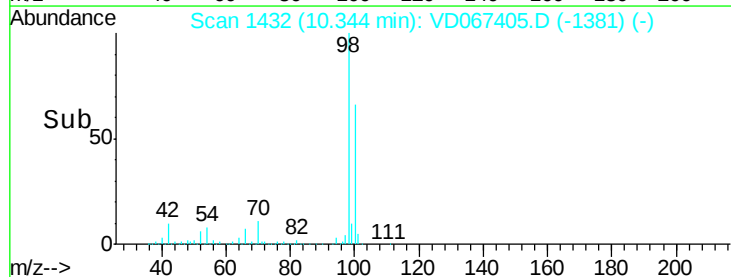
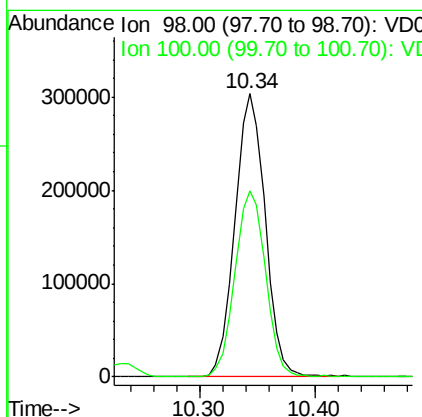
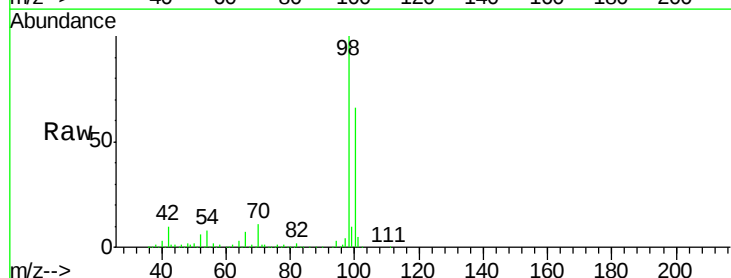
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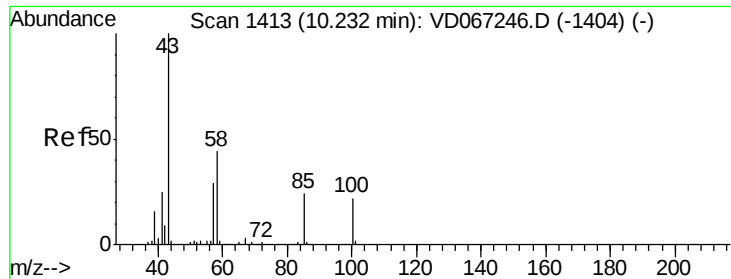
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#50
Toluene-d8
Concen: 51.306 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 102.907 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 43 Resp: 113406

Ion Ratio Lower Upper

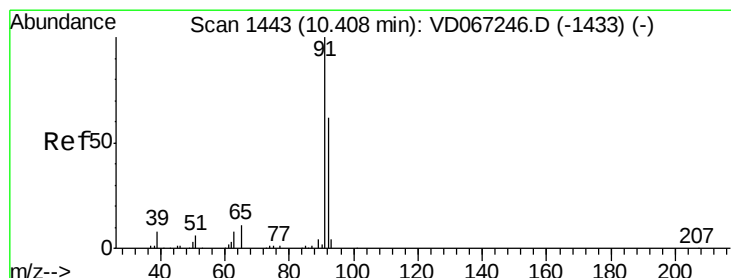
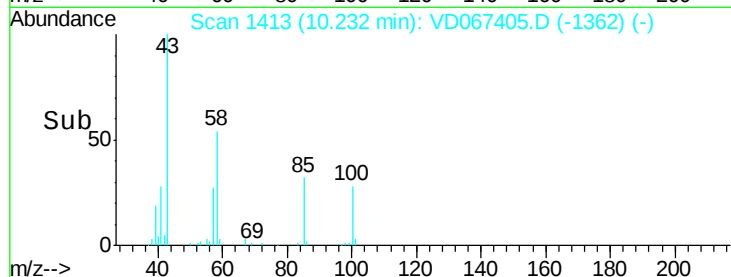
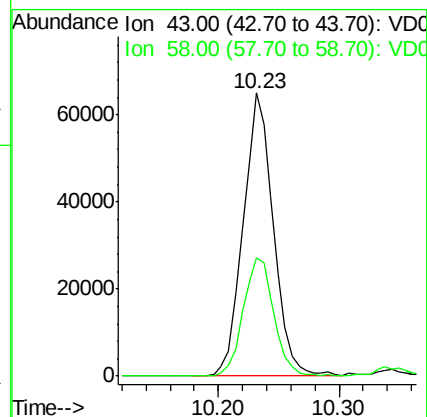
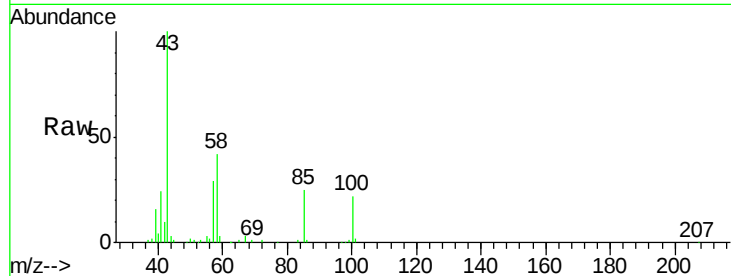
43 100

58 42.4 35.7 53.5

Manual Integrations
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#52

Toluene

Concen: 22.106 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067405.D

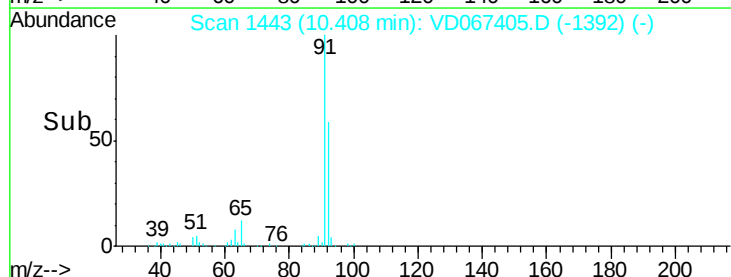
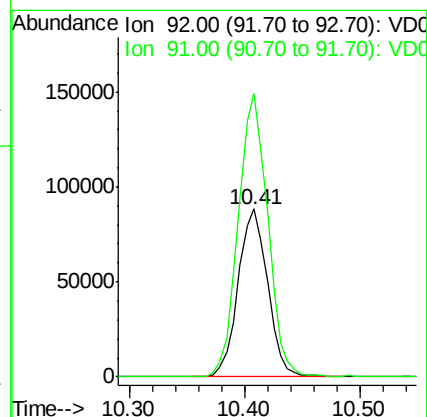
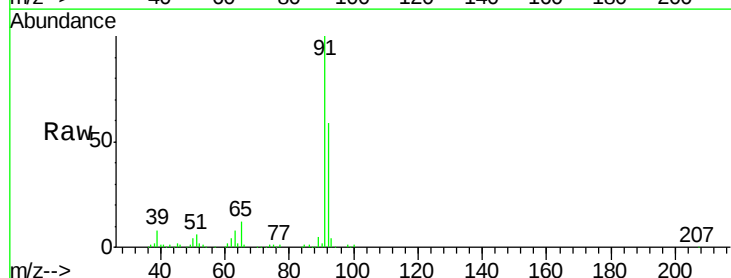
Acq: 27 Oct 2020 12:17

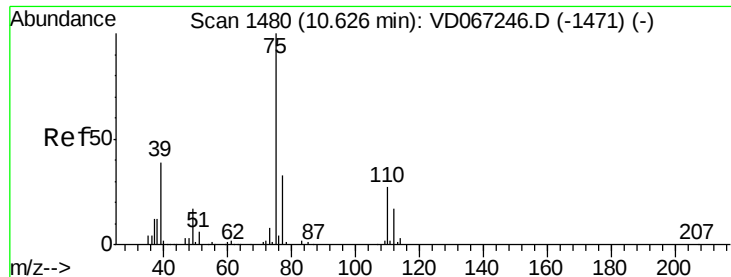
Tgt Ion: 92 Resp: 156326

Ion Ratio Lower Upper

92 100

91 169.3 133.8 200.8





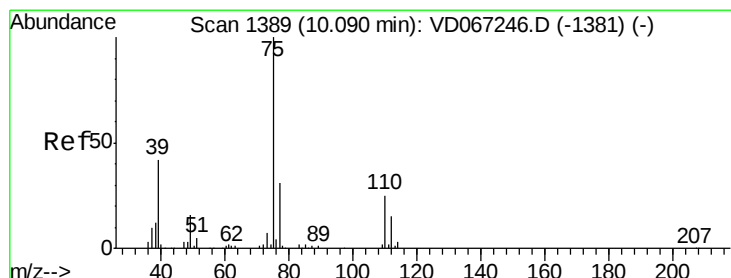
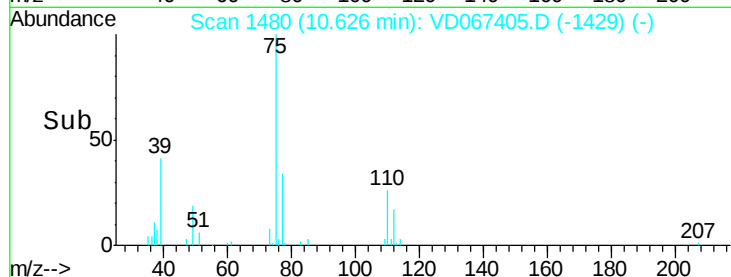
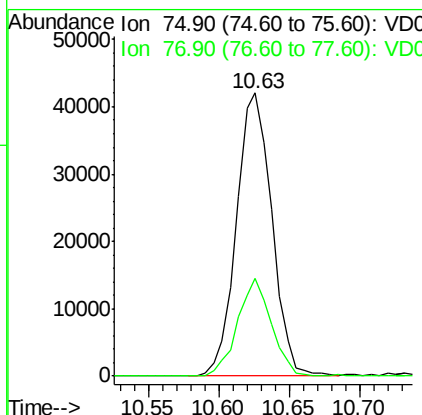
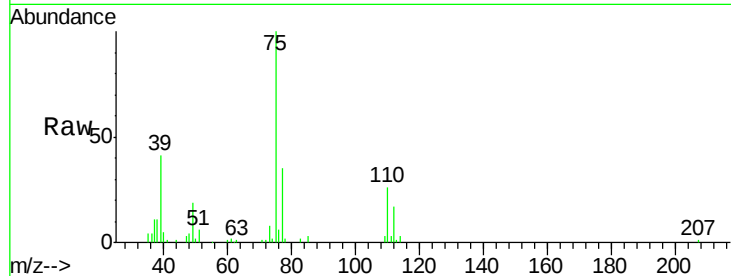
#53
t-1,3-Dichloropropene
Concen: 20.915 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion: 75 Resp: 73799
Ion Ratio Lower Upper
75 100
77 34.5 26.5 39.7

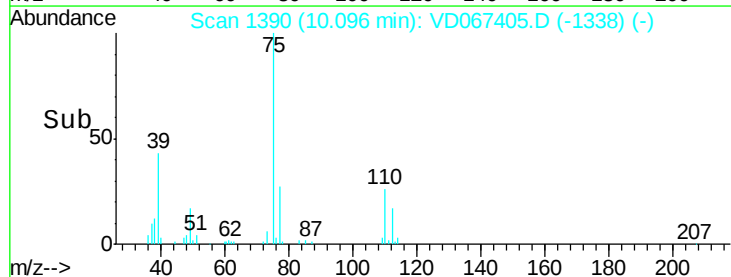
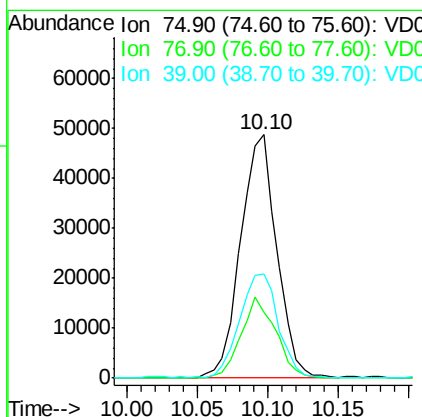
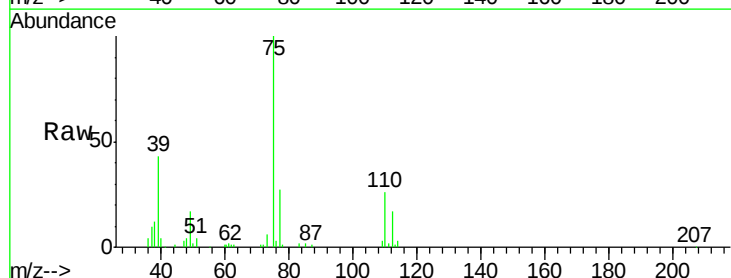
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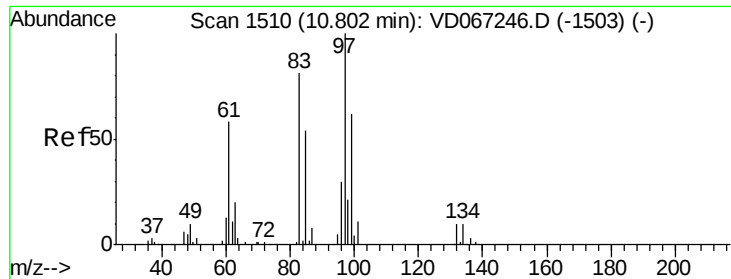
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#54
cis-1,3-Dichloropropene
Concen: 21.268 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 75 Resp: 87826
Ion Ratio Lower Upper
75 100
77 27.0 24.5 36.7
39 42.3 33.7 50.5





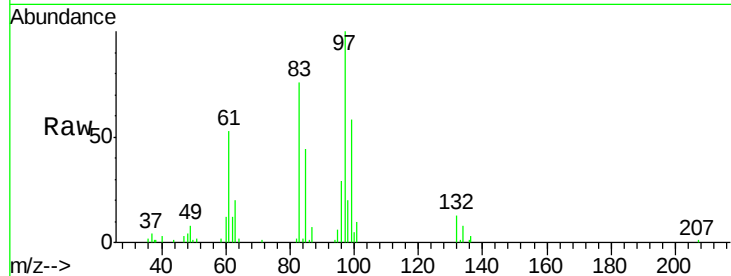
#55
 1,1,2-Trichloroethane
 Concen: 22.216 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

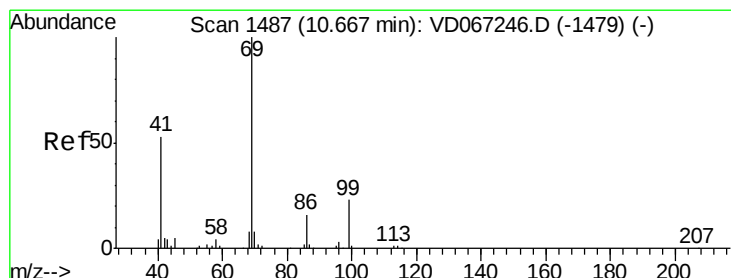
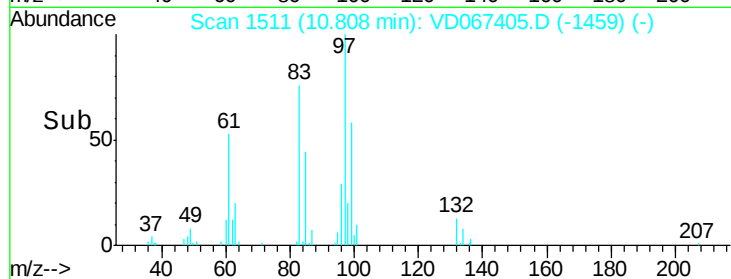
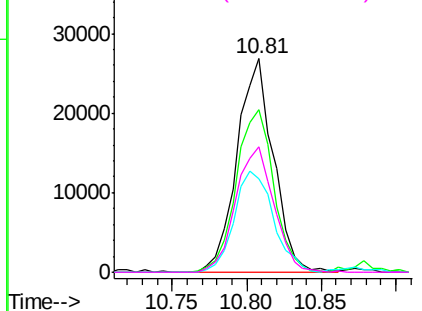
Tot Ion:	97	Resp:	45419
Ion	Ratio	Lower	Upper
97	100		
83	76.2	64.9	97.3
85	43.9	43.3	64.9
99	58.5	49.1	73.7

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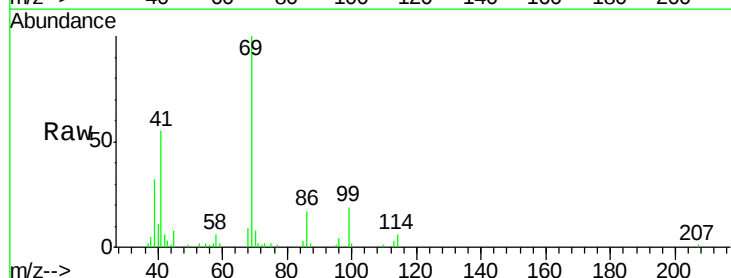


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

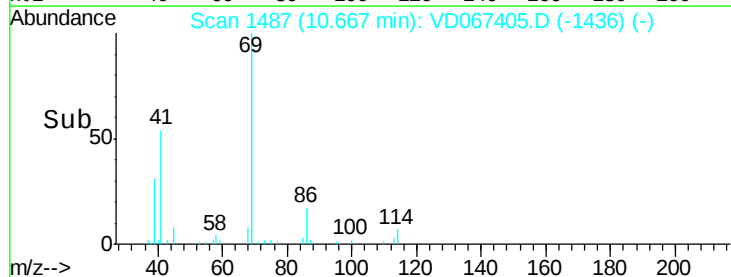
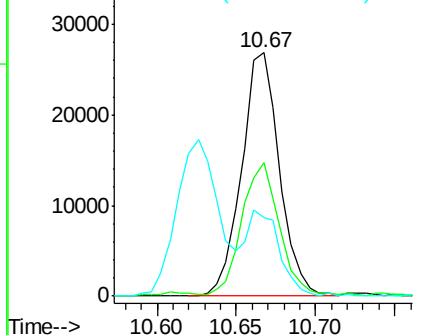


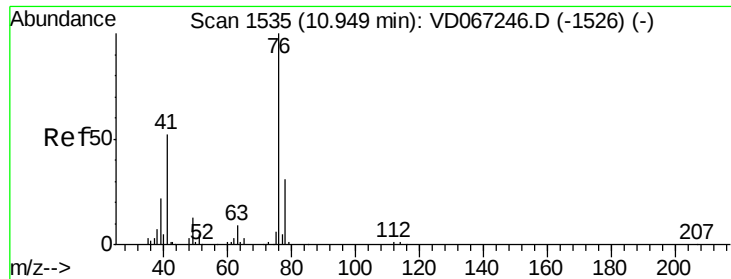
#56
 Ethyl methacrylate
 Concen: 21.001 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion:	69	Resp:	44527
Ion	Ratio	Lower	Upper
69	100		
41	55.0	44.7	67.1
39	31.8	26.2	39.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 21.181 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 76 Resp: 68913

Ion Ratio Lower Upper

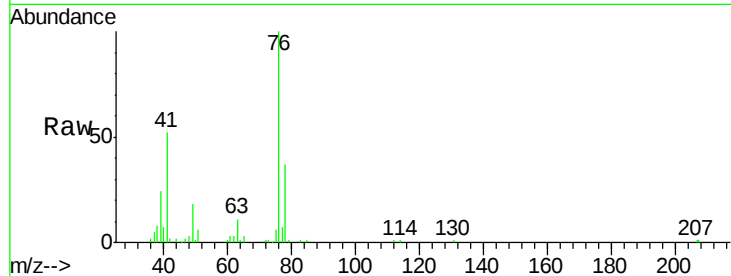
76 100

78 34.4 26.8 40.2

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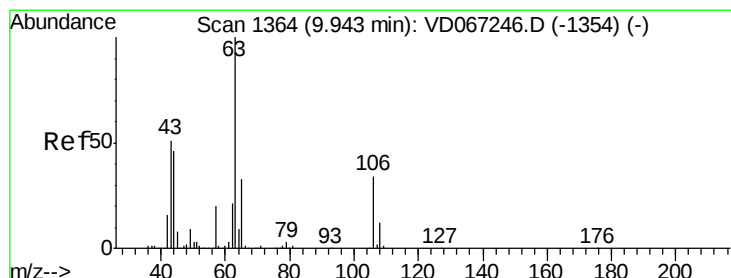
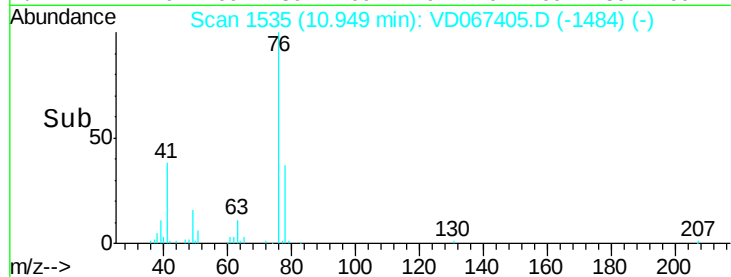
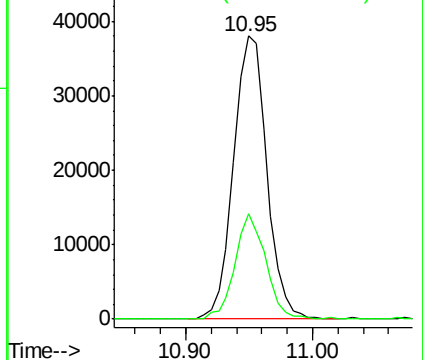
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 102.388 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD067405.D

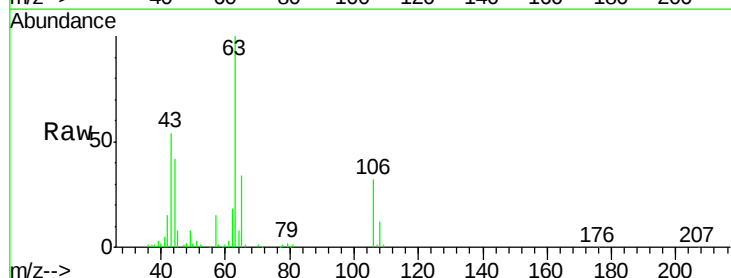
Acq: 27 Oct 2020 12:17

Tgt Ion: 63 Resp: 111368

Ion Ratio Lower Upper

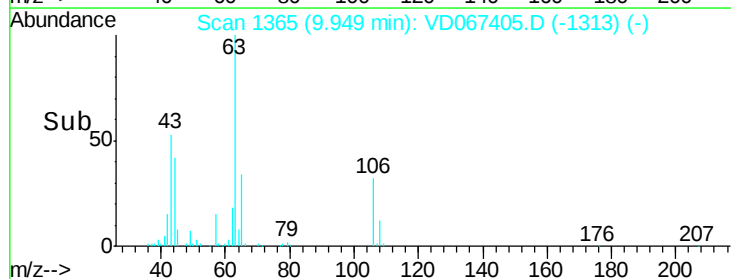
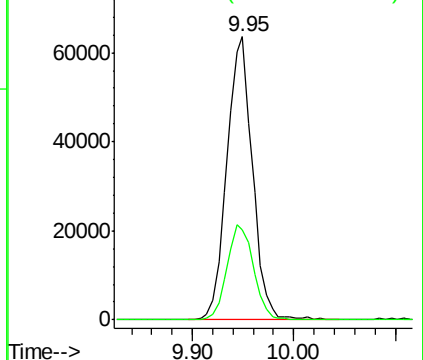
63 100

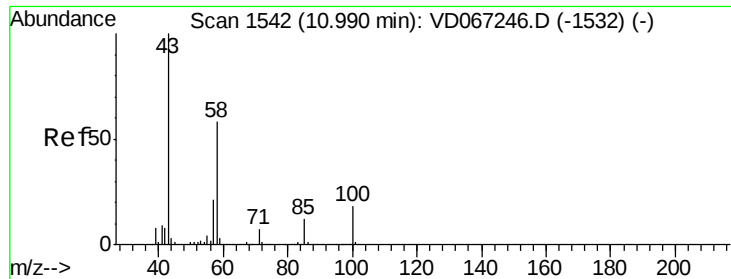
106 34.8 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





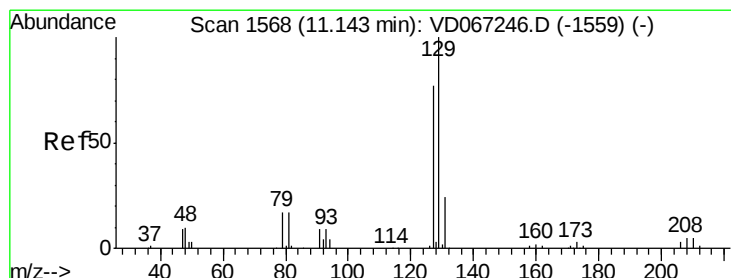
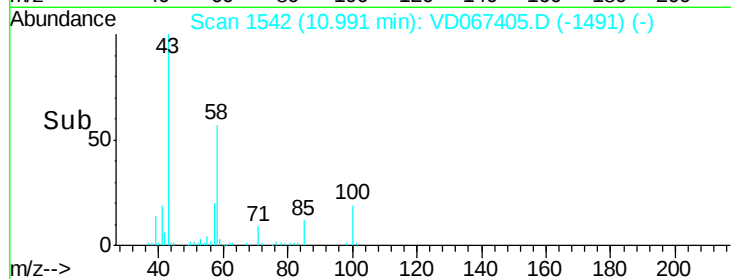
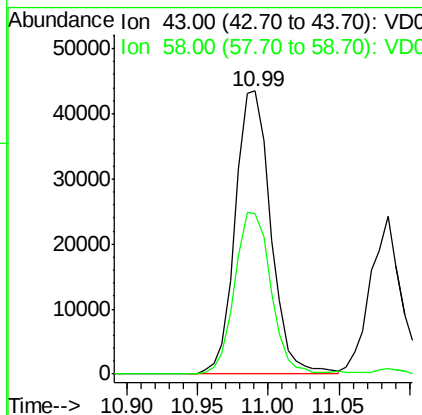
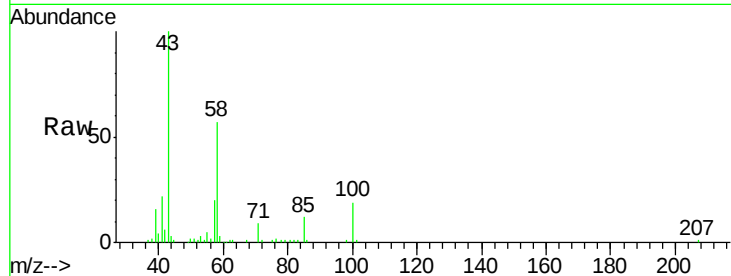
#59
2-Hexanone
Concen: 101.732 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion: 43 Resp: 76609
Ion Ratio Lower Upper
43 100
58 58.3 29.3 87.9

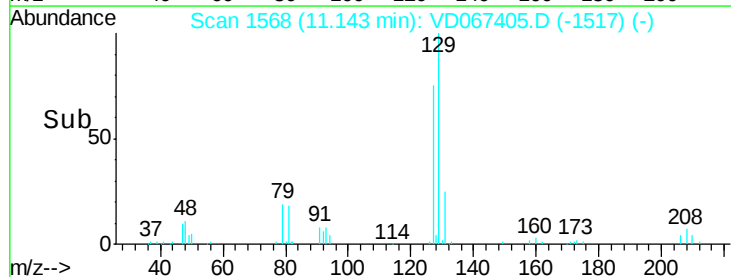
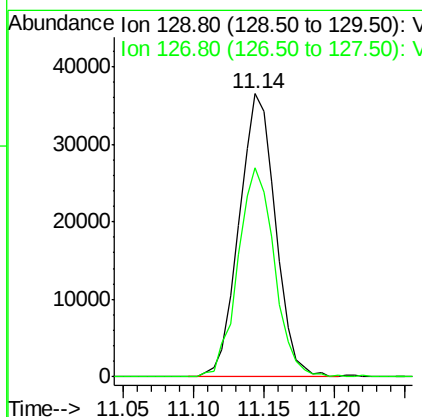
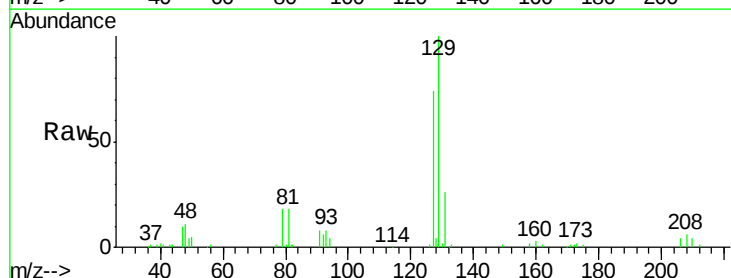
Manual Integrations
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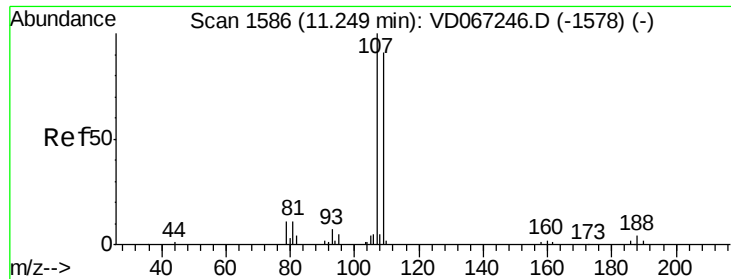
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#60
Dibromochloromethane
Concen: 22.037 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion: 129 Resp: 65703
Ion Ratio Lower Upper
129 100
127 74.3 38.3 114.8





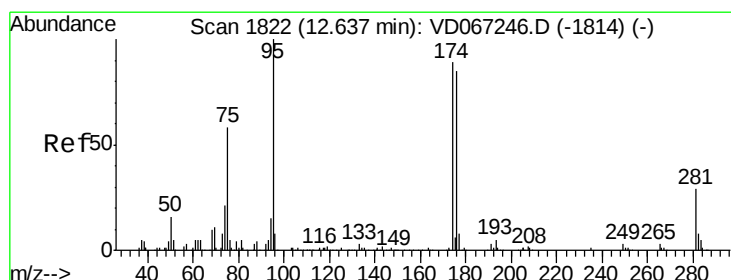
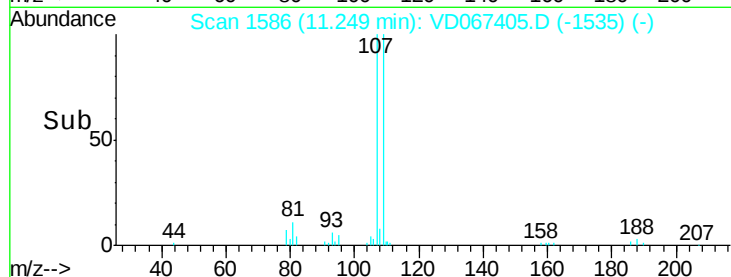
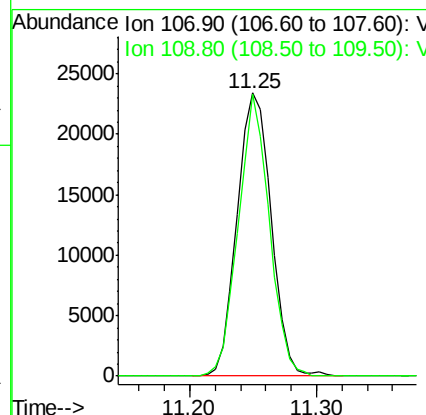
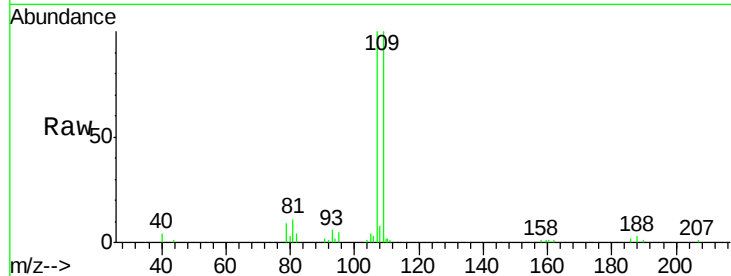
#61
 1,2-Dibromoethane
 Concen: 21.672 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.3	74.6	112.0

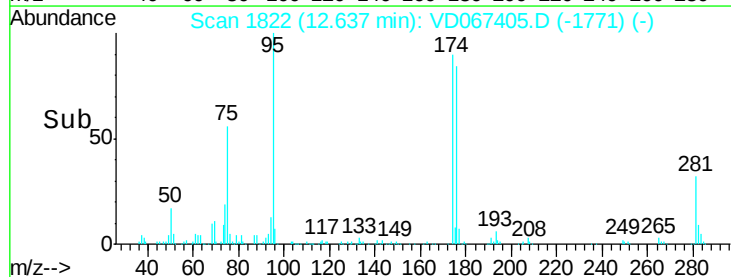
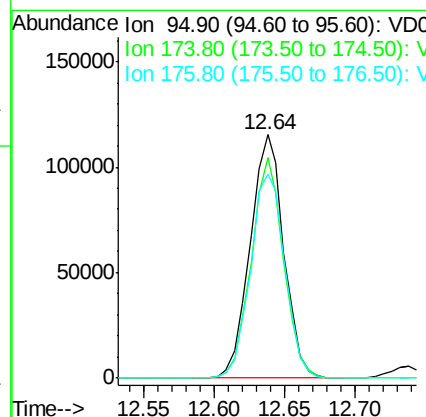
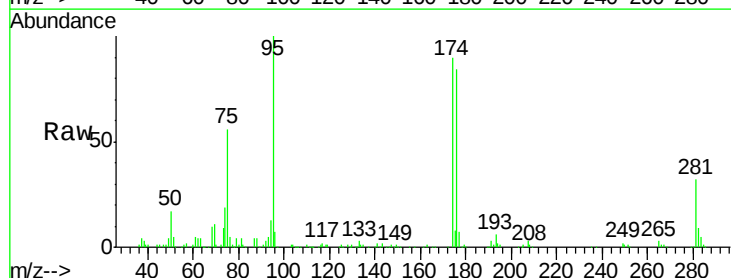
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#62
 4-Bromofluorobenzene
 Concen: 51.489 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.0	0.0	175.2
176	85.7	0.0	168.6





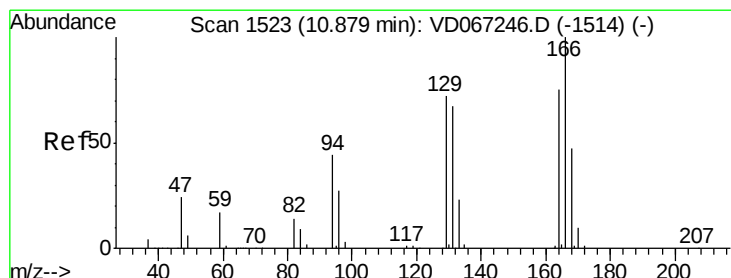
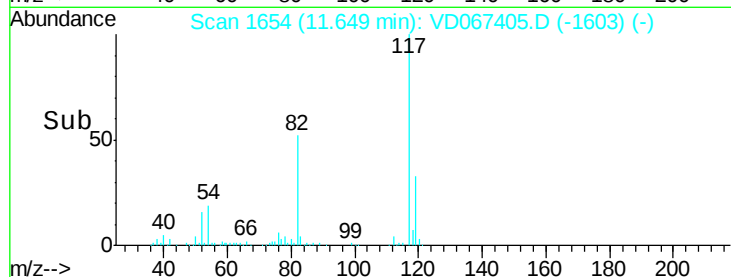
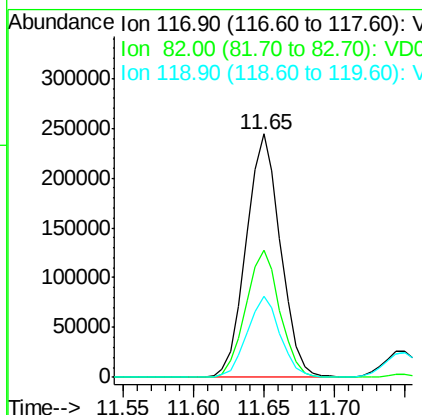
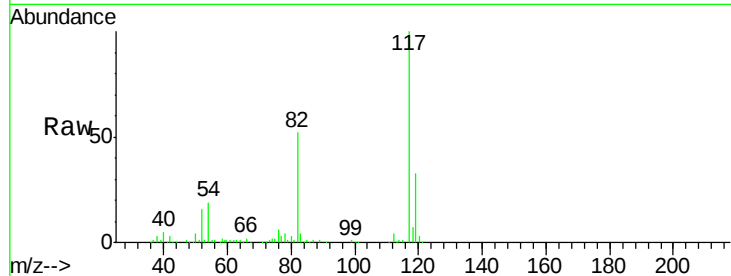
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	39.9	59.9
119	33.1	24.9	37.3

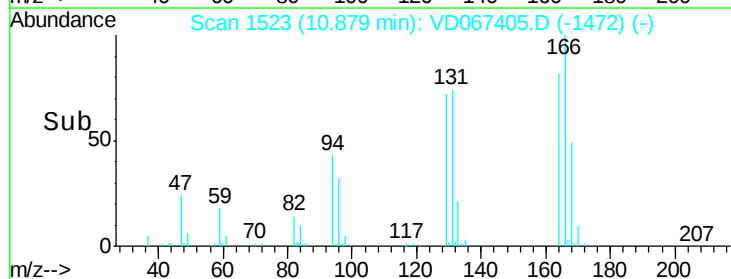
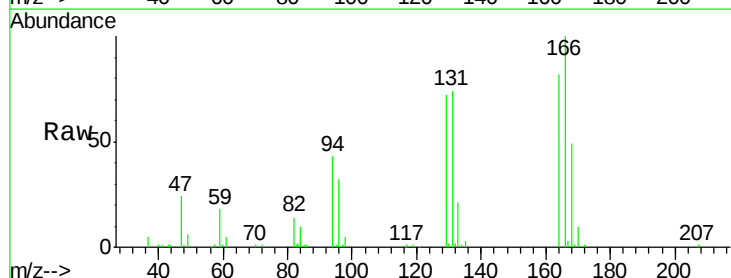
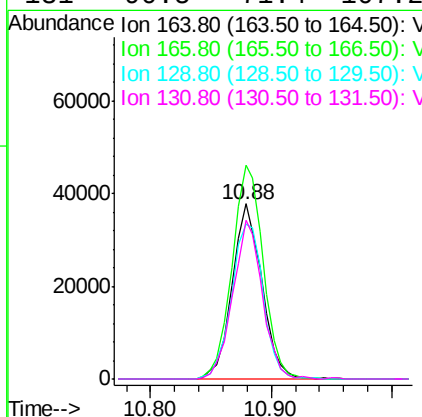
Manual Integrations
APPROVED

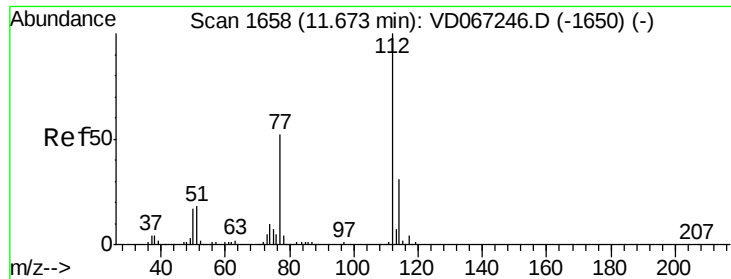
MMDadoda
10/28/2020 11:45:24 AM



#64
Tetrachloroethene
Concen: 21.465 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.1	107.3	160.9
129	88.3	77.3	115.9
131	90.5	71.4	107.2





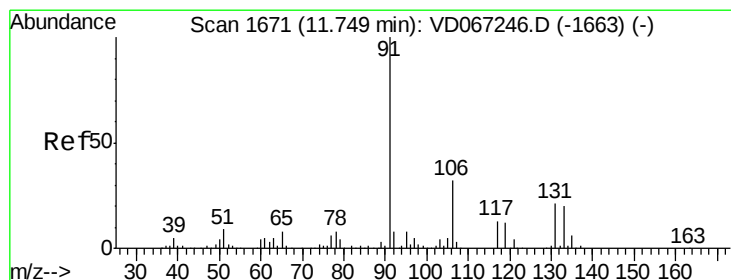
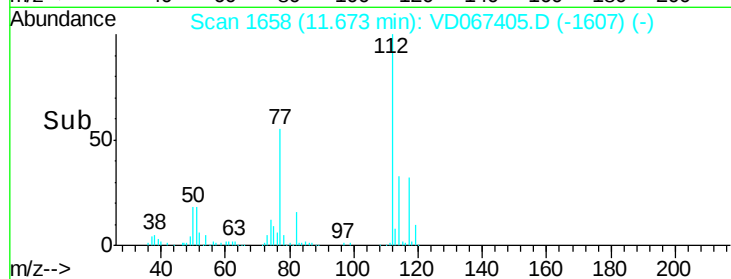
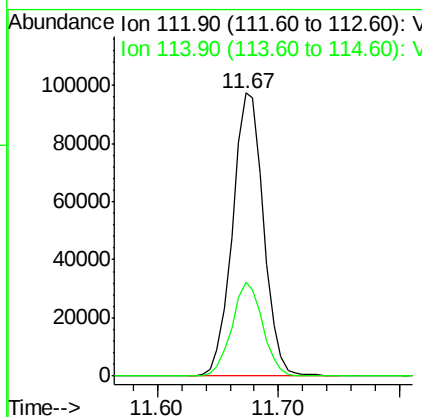
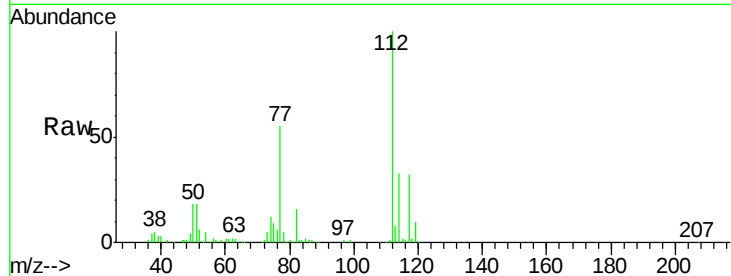
#65
Chlorobenzene
Concen: 21.757 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.0	37.4

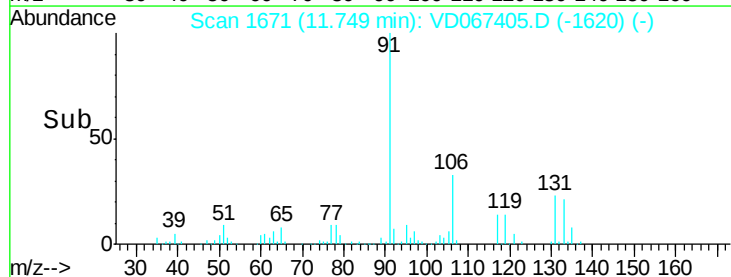
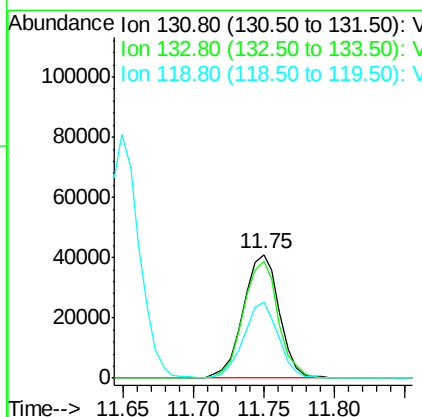
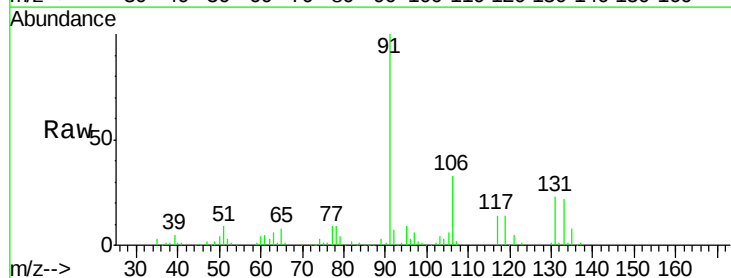
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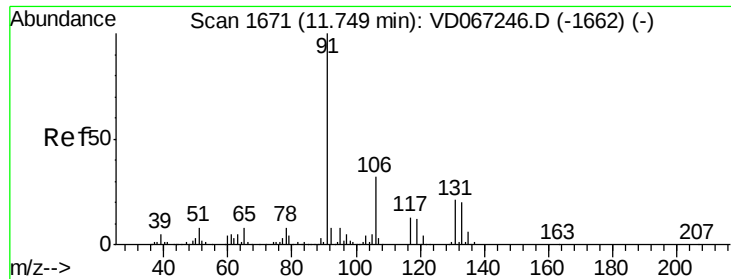
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.977 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.4	48.1	144.3
119	59.8	30.0	90.0





#67

Ethyl Benzene

Concen: 21.579 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 91 Resp: 295962

Ion Ratio Lower Upper

91 100

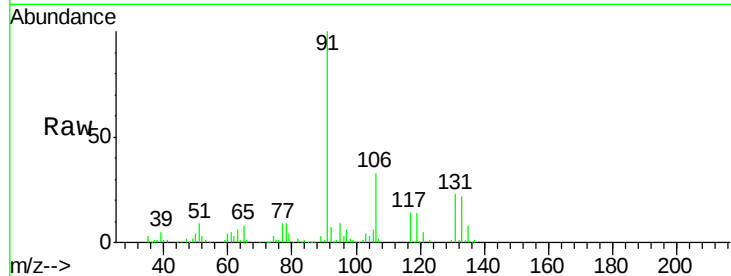
106 33.2 25.4 38.0

Manual Integrations

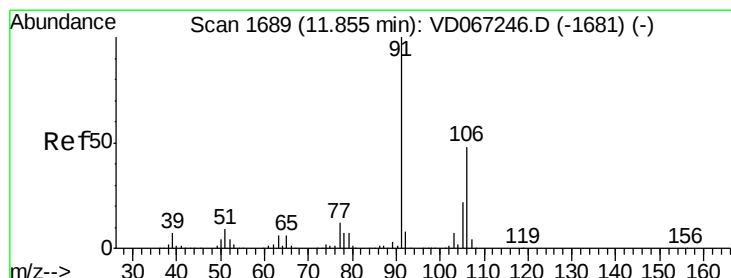
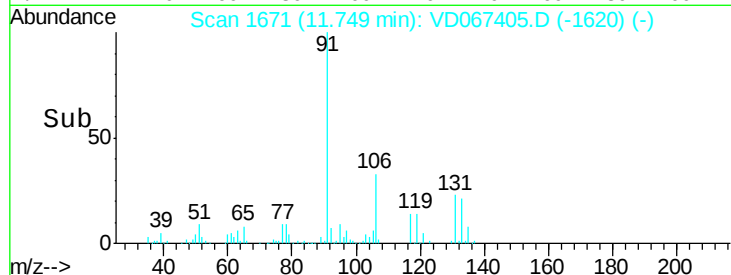
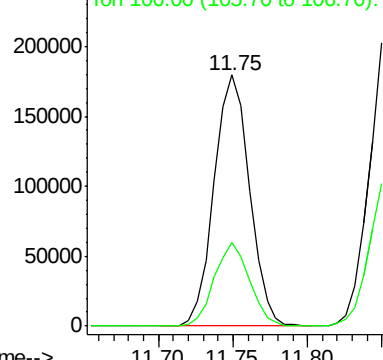
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Abundance Ion 91.00 (90.70 to 91.70): V



#68

m/p-Xylenes

Concen: 45.719 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067405.D

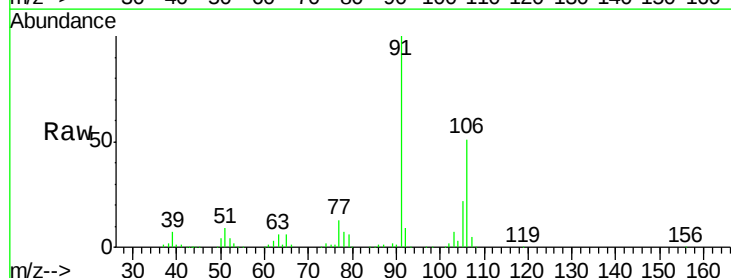
Acq: 27 Oct 2020 12:17

Tgt Ion: 106 Resp: 241467

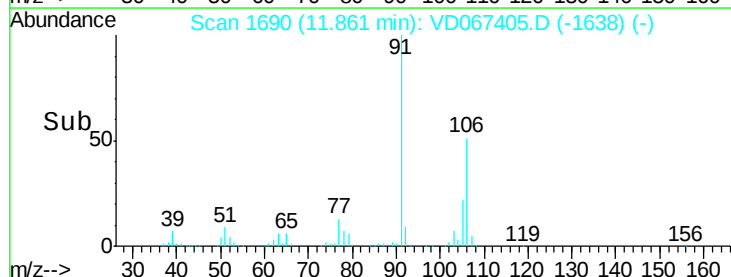
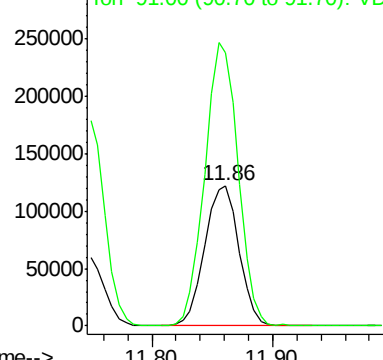
Ion Ratio Lower Upper

106 100

91 196.6 163.8 245.8



Abundance Ion 106.00 (105.70 to 106.70): V





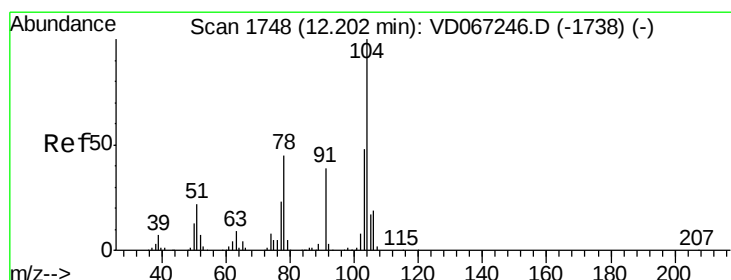
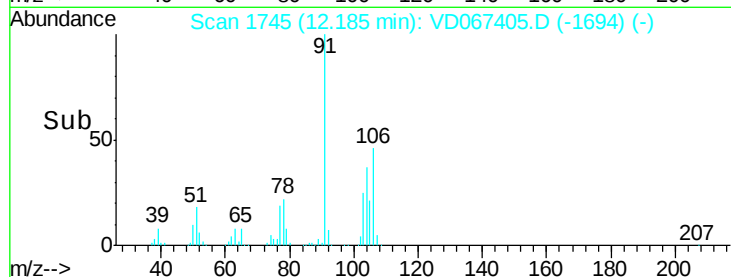
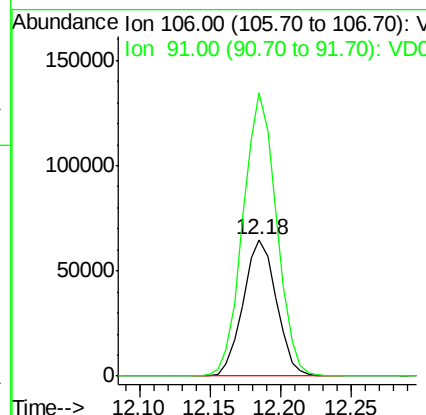
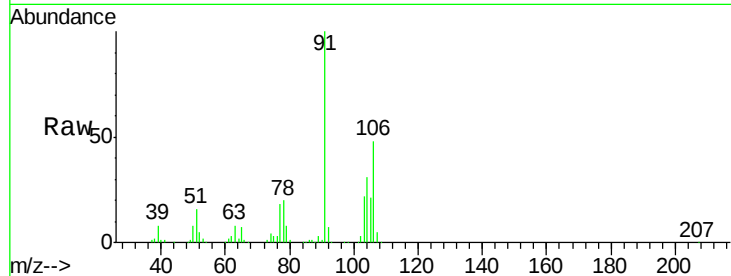
#69
o-Xylene
Concen: 21.957 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.6	109.1	327.3		

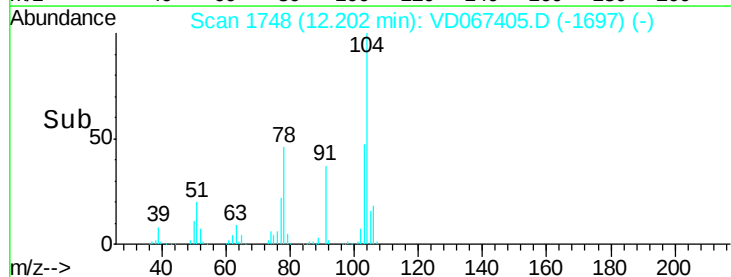
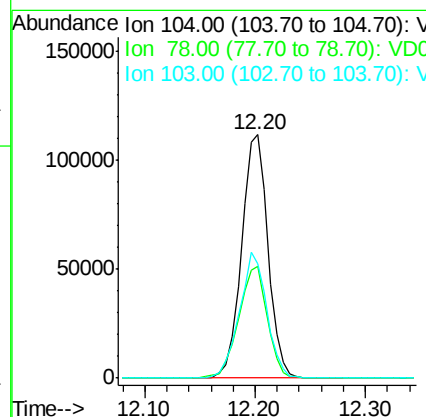
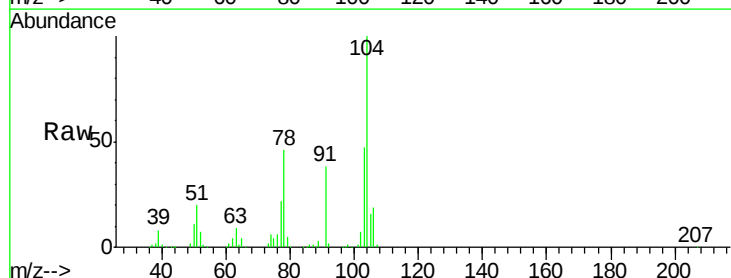
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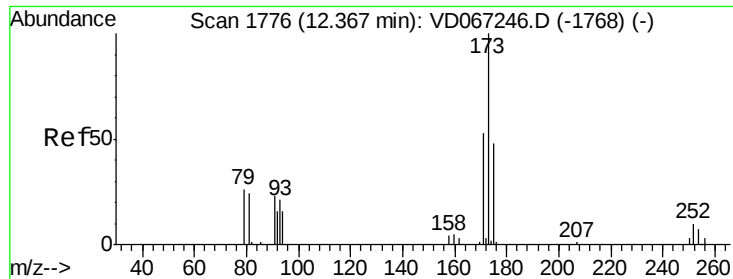
MMDadoda
10/28/2020 11:45:24 AM



#70
Styrene
Concen: 22.307 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.7	39.8	59.6		
103	53.3	42.6	64.0		





#71

Bromoform

Concen: 22.162 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion:173 Resp: 37860

Ion Ratio Lower Upper

173 100

175 48.3 24.2 72.6

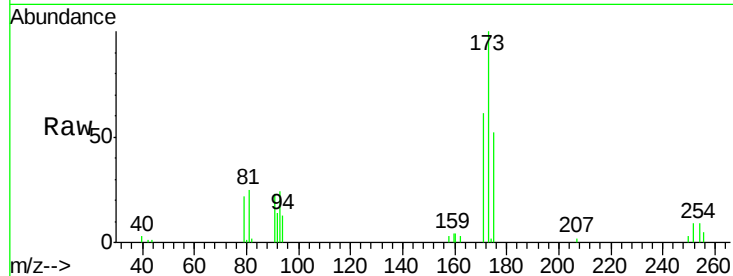
254 0.0 0.1 0.1#

Manual Integrations

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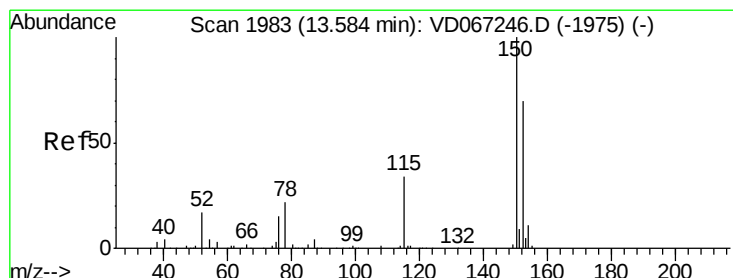
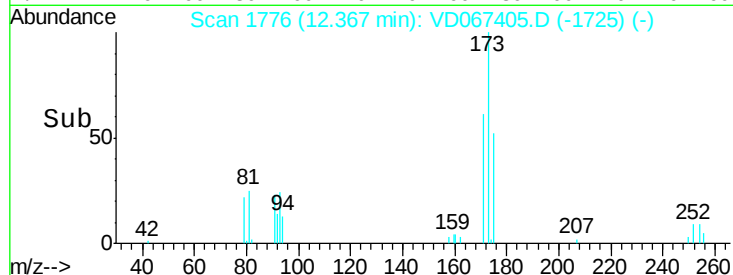
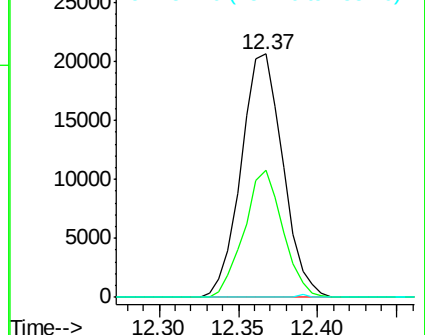
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

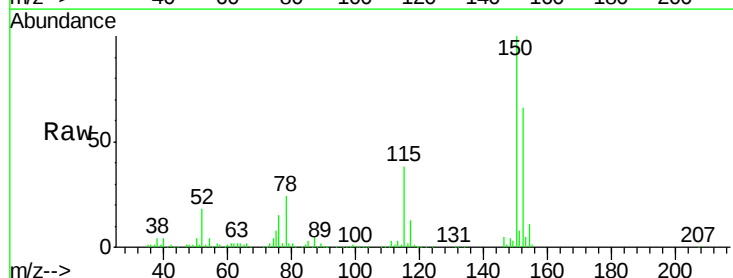
Tgt Ion:152 Resp: 216662

Ion Ratio Lower Upper

152 100

115 58.5 29.3 87.9

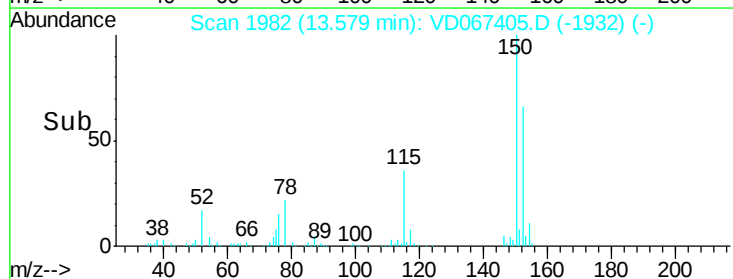
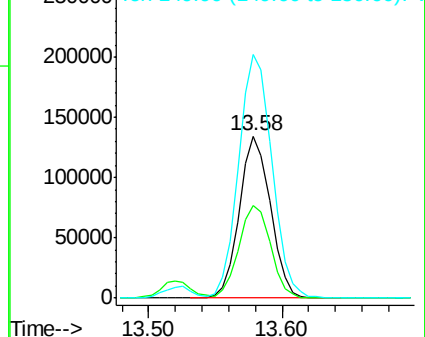
150 160.8 0.0 339.0

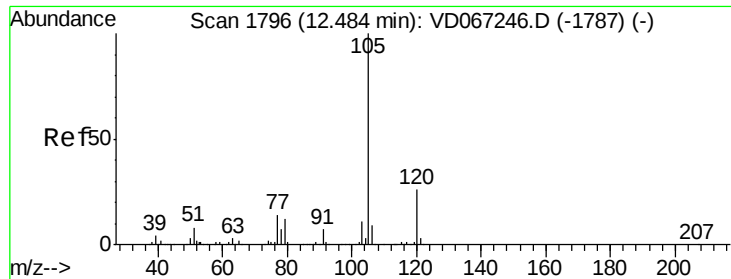


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





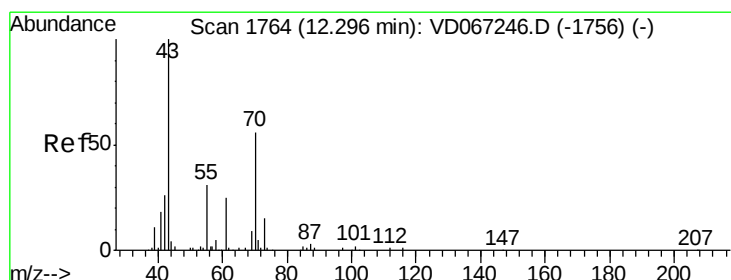
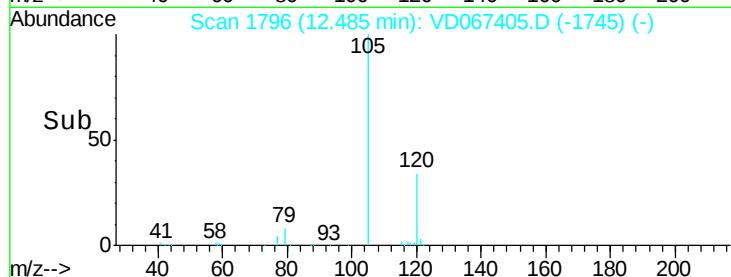
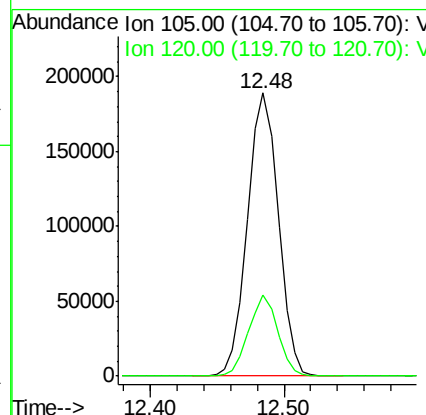
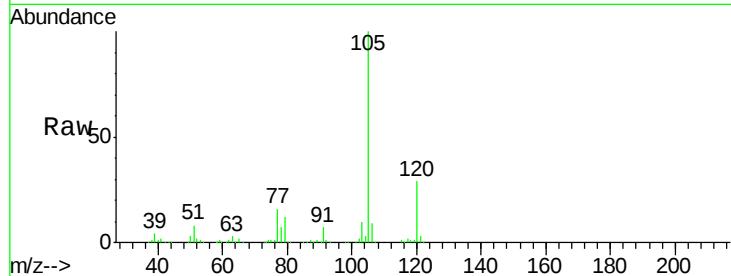
#73
Isopropylbenzene
Concen: 21.975 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.3	39.8

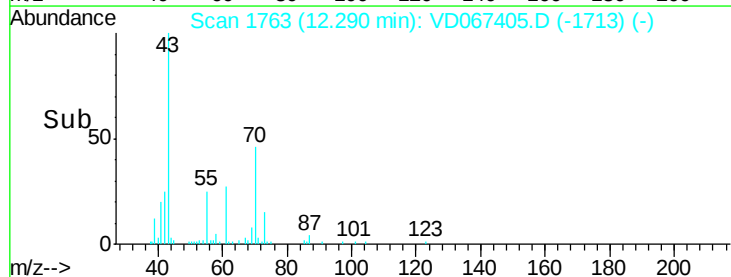
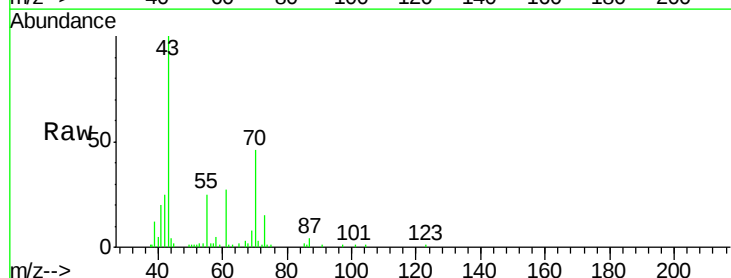
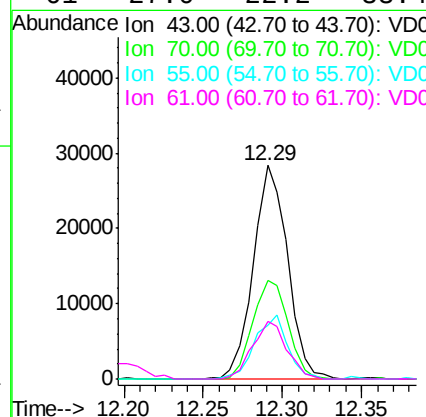
Manual Integrations
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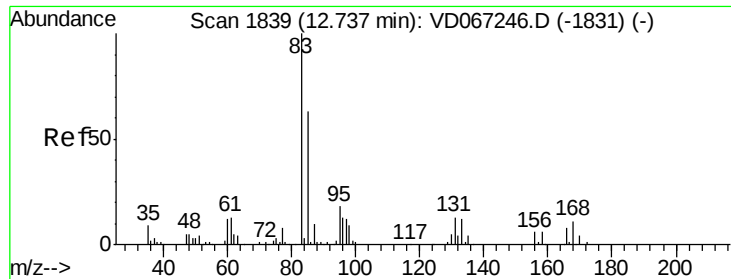
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#74
N-ethyl acetate
Concen: 20.633 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.6	42.7	64.1
55	28.6	24.0	36.0
61	27.0	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.421 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

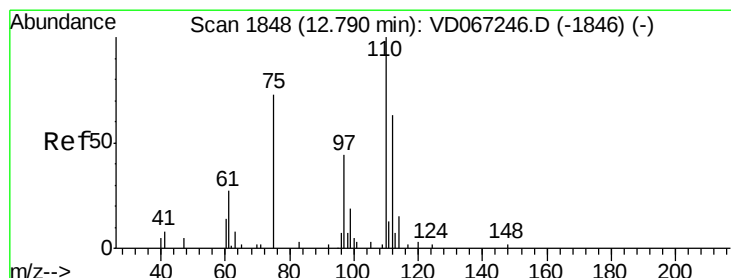
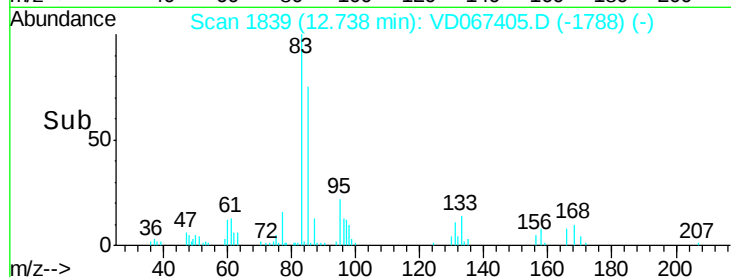
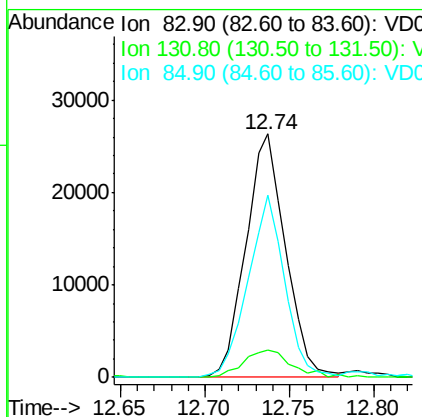
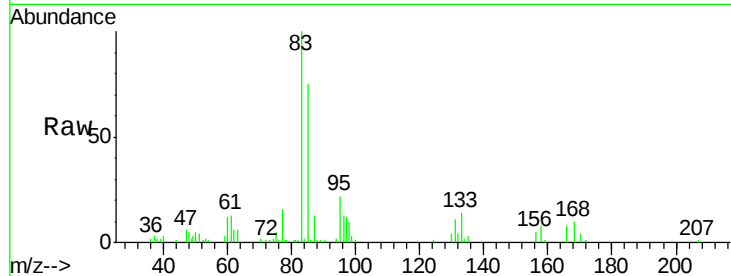
ClientSampleId :

VD1027SBS01

Tot Ion:	83	Resp:	43026
Ion Ratio	Lower	Upper	
83	100		
131	13.4	6.5	19.5
85	69.2	32.6	97.7

Manual Integrations
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10/28/2020 11:45:24 AM



#76

1,2,3-Trichloropropane

Concen: 17.658 ug/l m

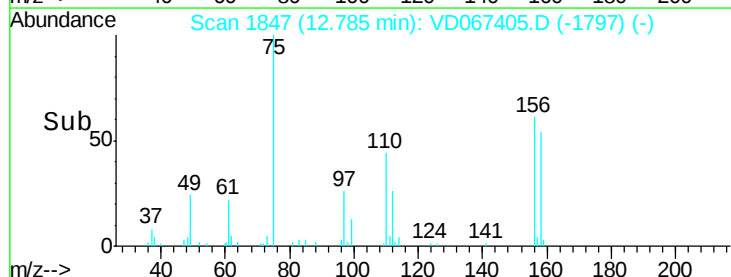
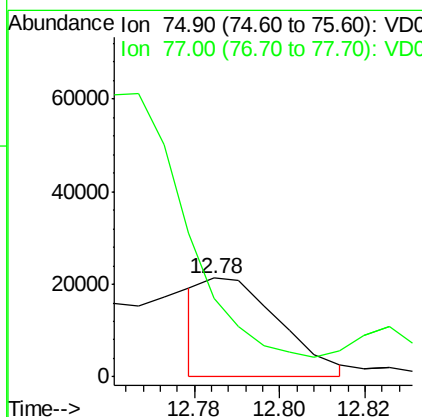
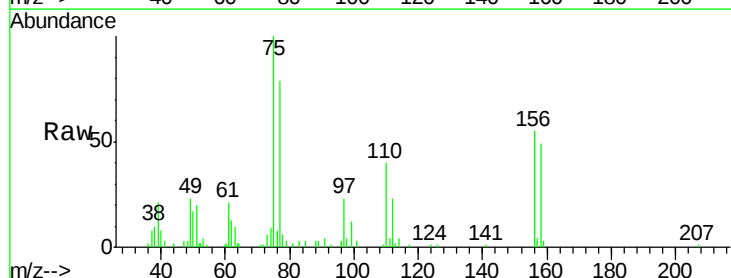
RT: 12.78 min Scan# 1847

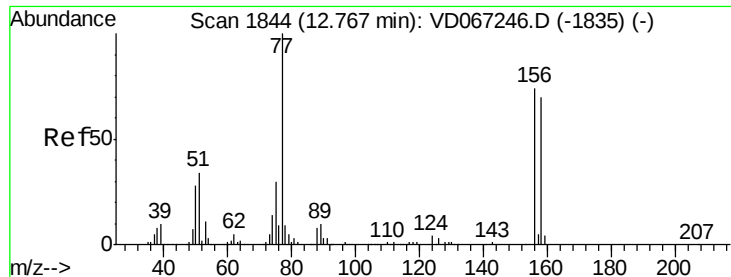
Delta R.T. -0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Tgt Ion:	75	Resp:	26516
Ion Ratio	Lower	Upper	
75	100		
77	440.0	0.0	0.0#





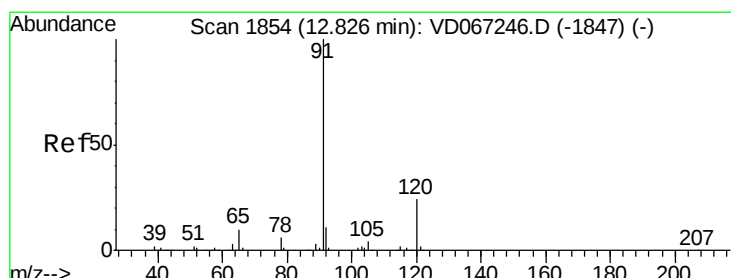
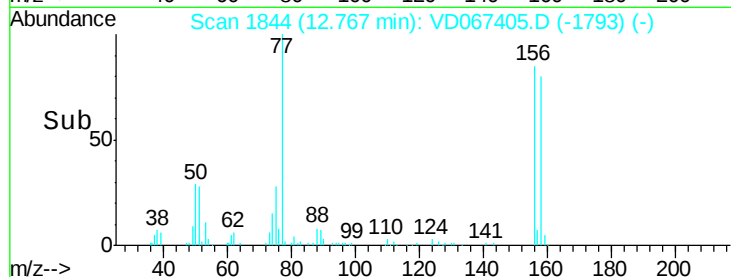
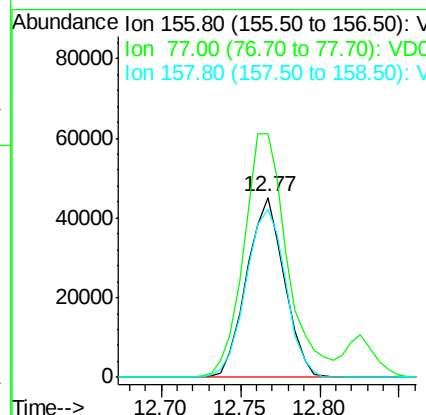
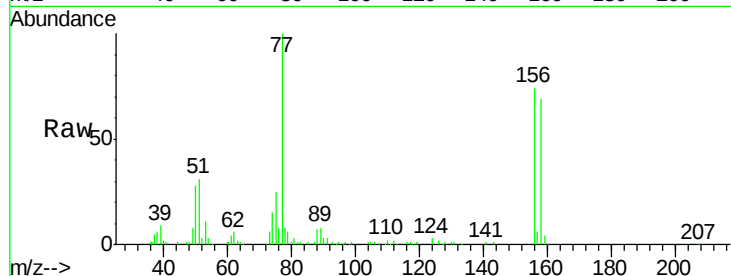
#77
Bromobenzene
Concen: 21.727 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	156.6	78.0	233.8	
158	99.0	49.1	147.3	

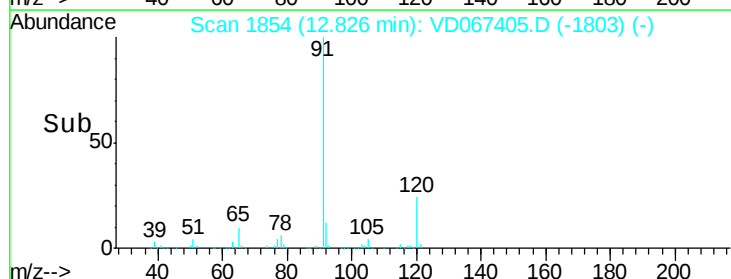
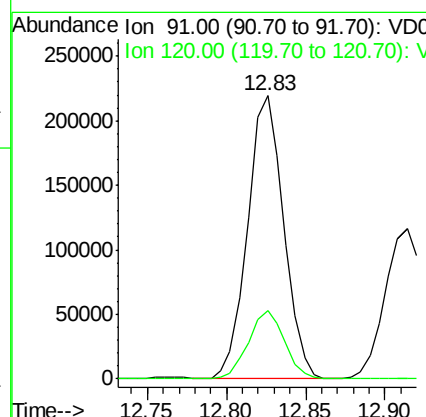
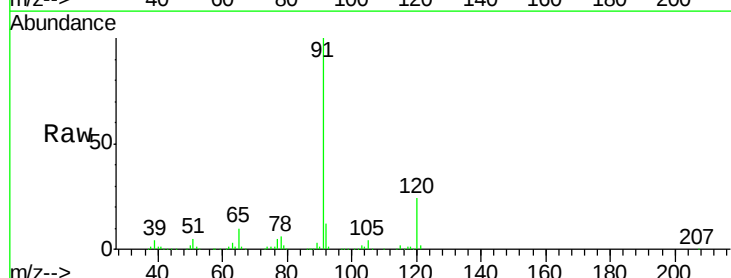
Manual Integrations
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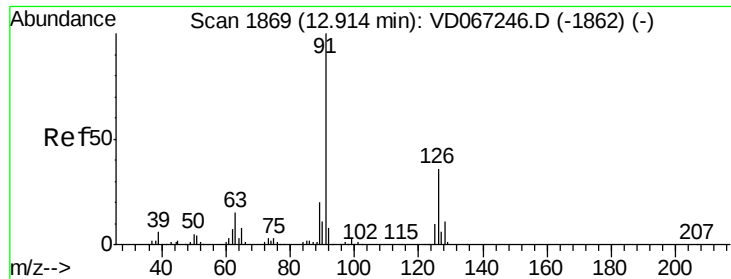
MMDadoda
10/28/2020 11:45:24 AM



#78
n-propylbenzene
Concen: 21.728 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.0	11.9	35.9	





#79

2-Chlorotoluene

Concen: 21.463 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 91 Resp: 198301

Ion Ratio Lower Upper

91 100

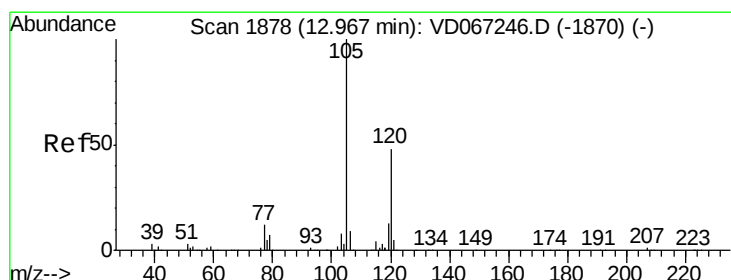
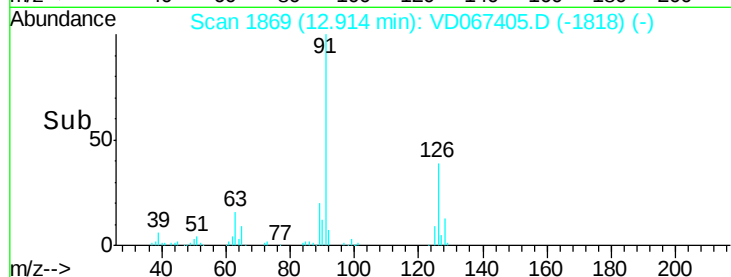
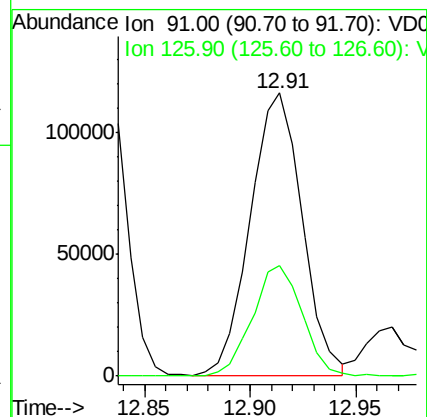
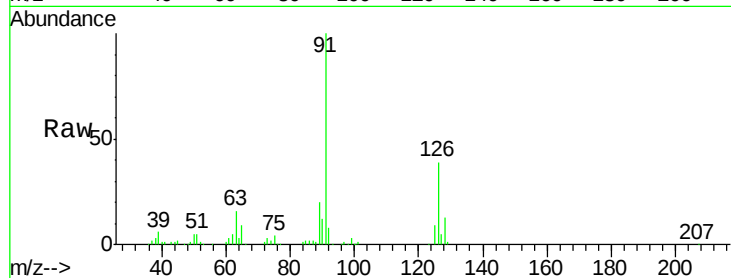
126 37.8 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 22.047 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067405.D

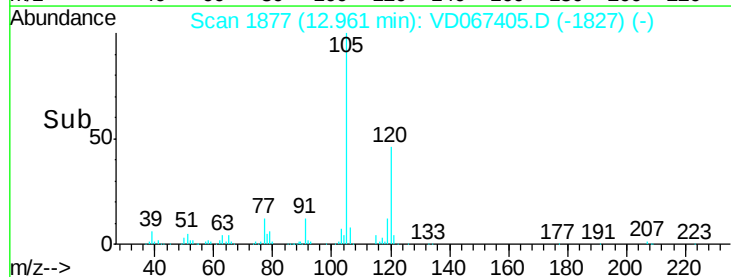
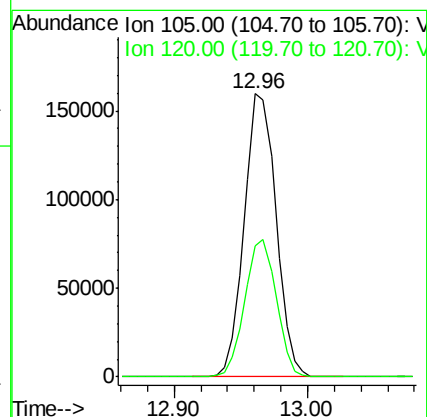
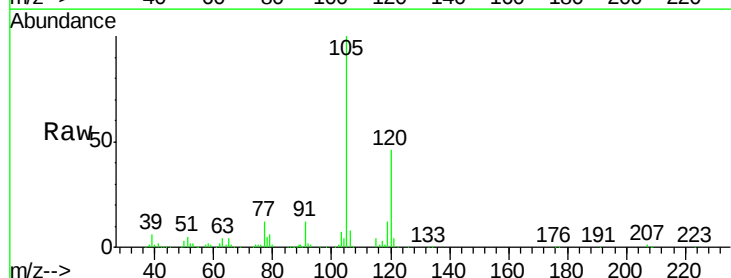
Acq: 27 Oct 2020 12:17

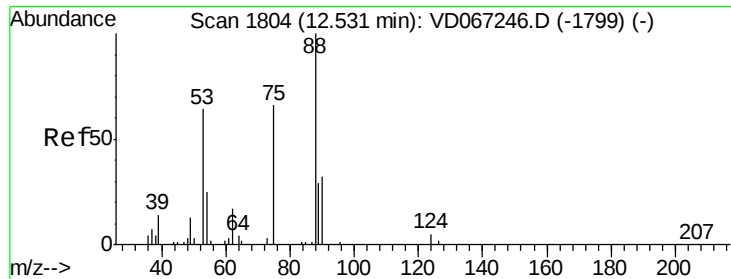
Tgt Ion: 105 Resp: 263449

Ion Ratio Lower Upper

105 100

120 48.0 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.532 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion: 75 Resp: 13596

Ion Ratio Lower Upper

75 100

53 94.0 78.5 117.7

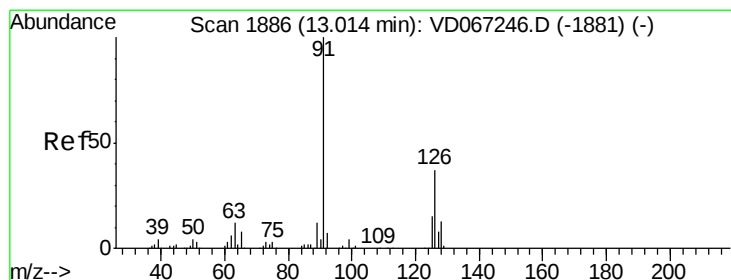
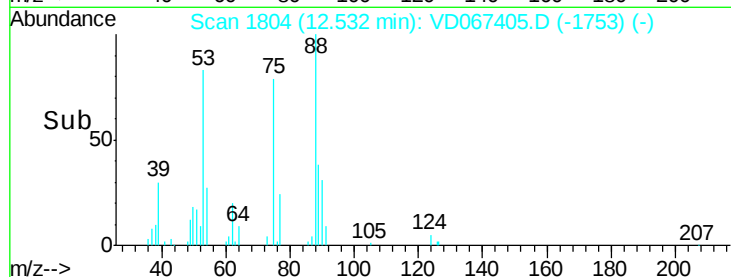
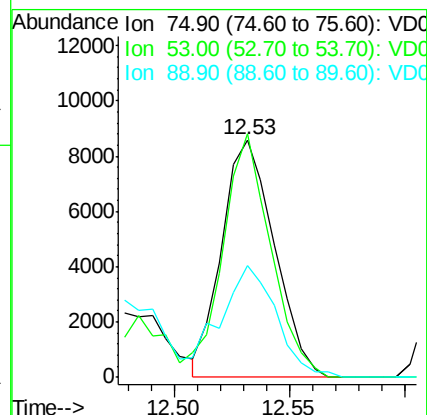
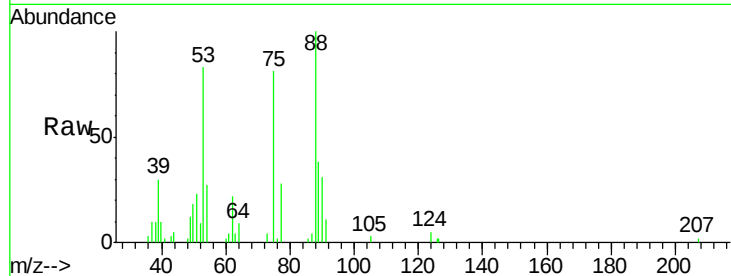
89 51.2 39.9 59.9

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#82

4-Chlorotoluene

Concen: 21.884 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD067405.D

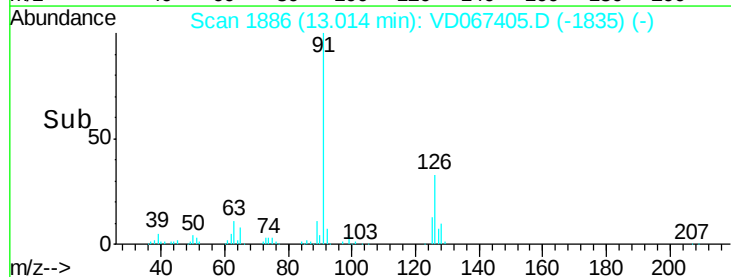
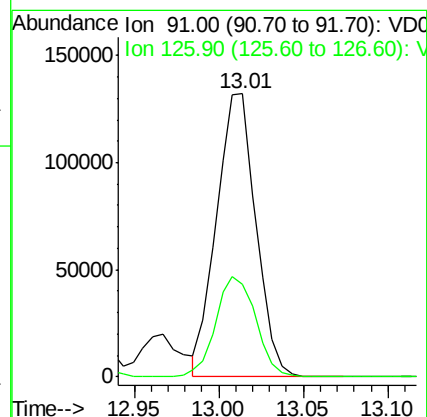
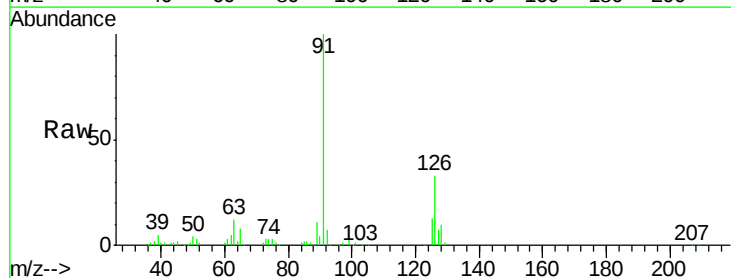
Acq: 27 Oct 2020 12:17

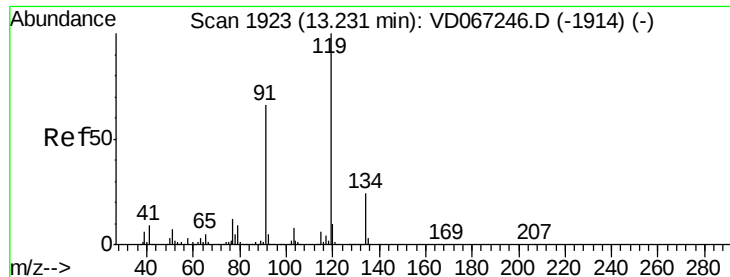
Tgt Ion: 91 Resp: 214601

Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.5





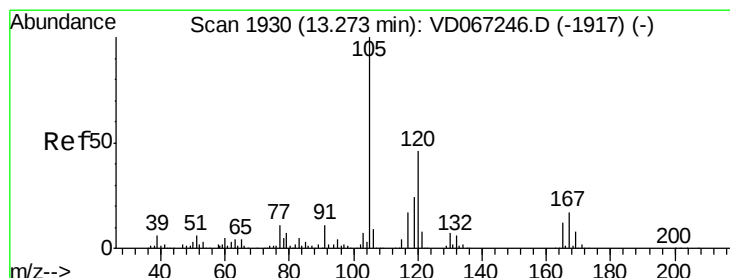
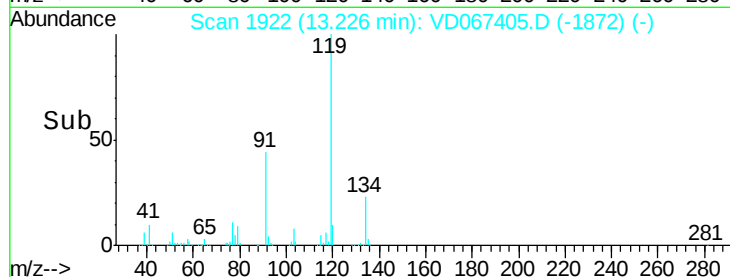
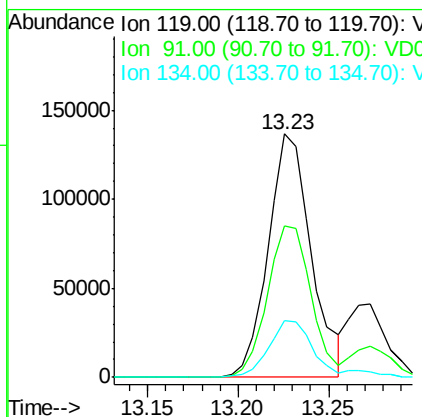
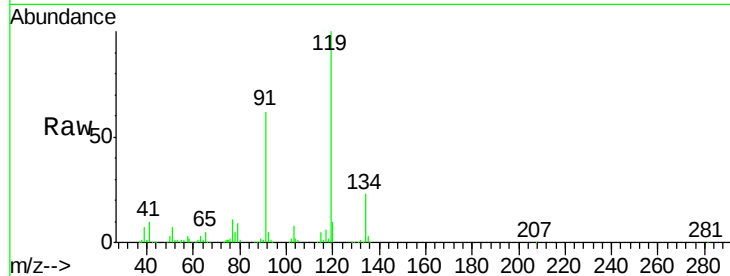
#83
tert-Butylbenzene
Concen: 22.457 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	226673		
91	63.0		33.1	99.2
134	25.5		13.3	39.9

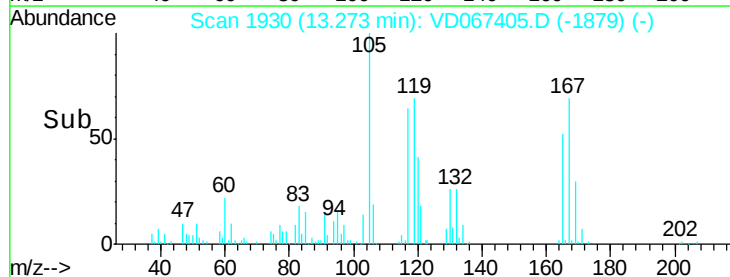
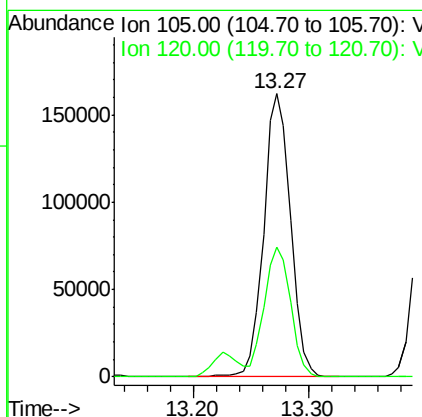
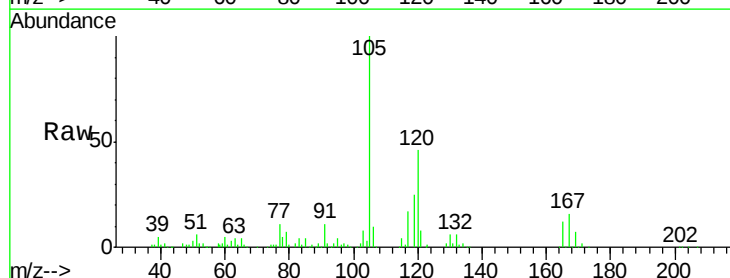
Manual Integrations
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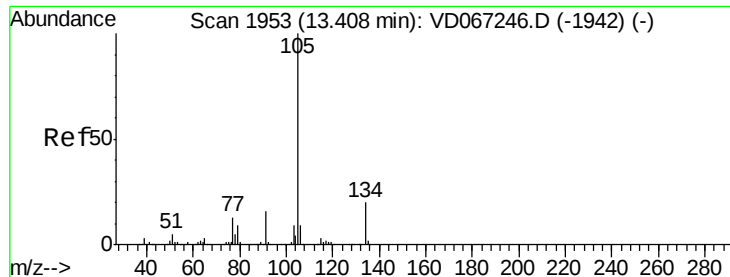
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#84
1,2,4-Trimethylbenzene
Concen: 22.260 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	262898		
120	45.8		22.4	67.3





#85

sec-Butylbenzene

Concen: 21.578 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

Instrument :

MSVOA_D

ClientSampleId :

VD1027SBS01

Tot Ion:105 Resp: 298866

Ion Ratio Lower Upper

105 100

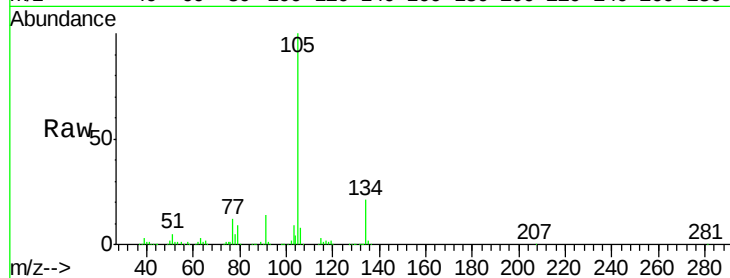
134 21.9 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

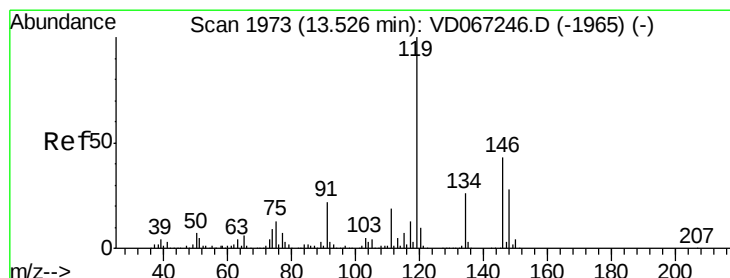
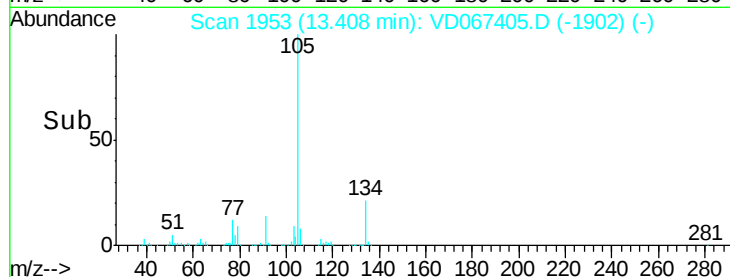
100000

50000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 21.825 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067405.D

Acq: 27 Oct 2020 12:17

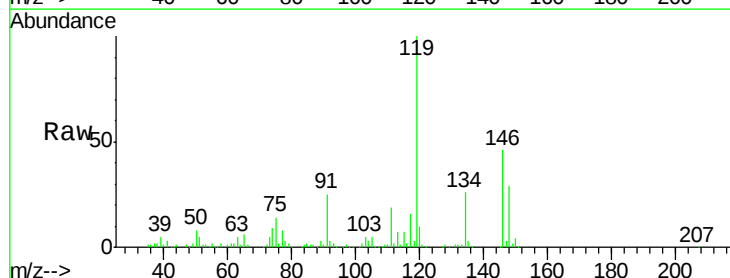
Tgt Ion:119 Resp: 285312

Ion Ratio Lower Upper

119 100

134 27.0 13.1 39.3

91 24.7 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

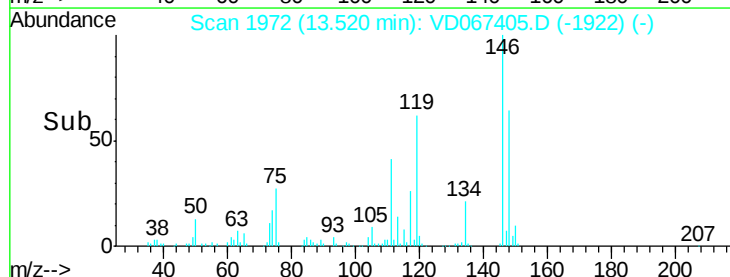
100000

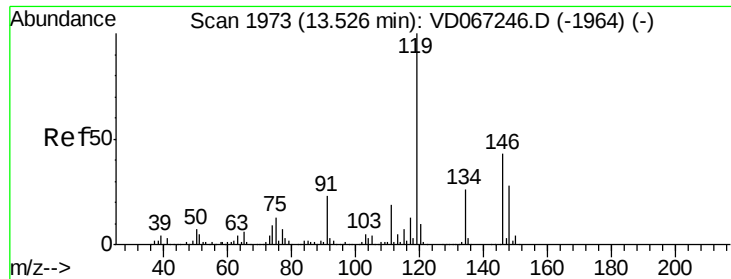
50000

0

13.45 13.50 13.55 13.60

Time-->





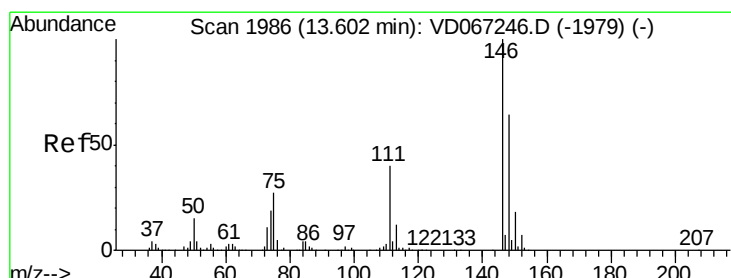
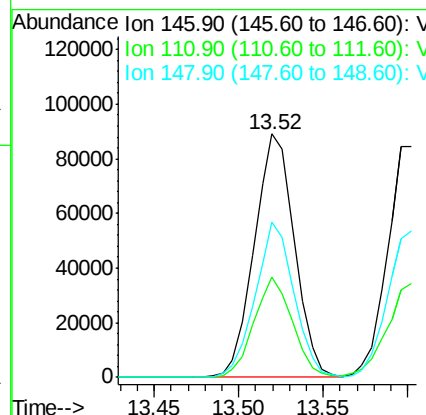
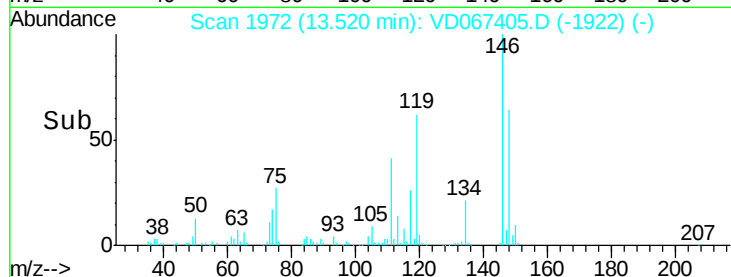
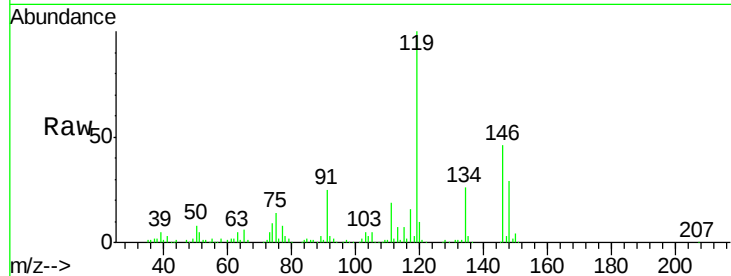
#87
 1,3-Dichlorobenzene
 Concen: 22.221 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	146629		
111	39.7	21.1	63.3	
148	61.6	31.9	95.9	

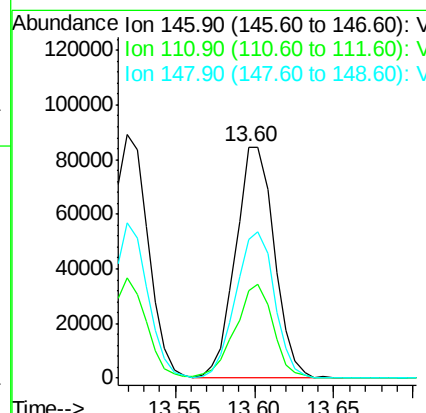
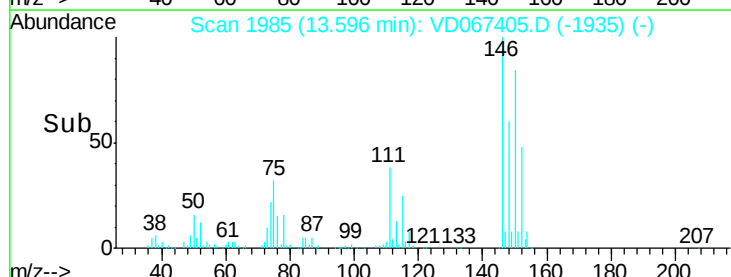
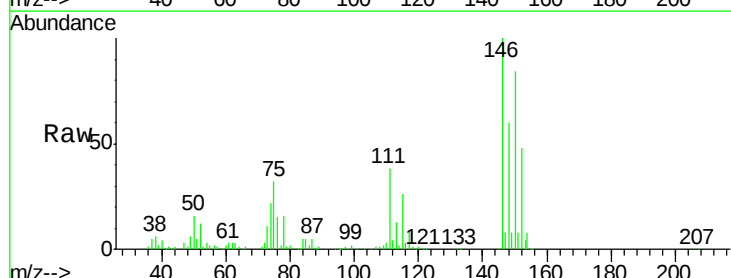
Manual Integrations
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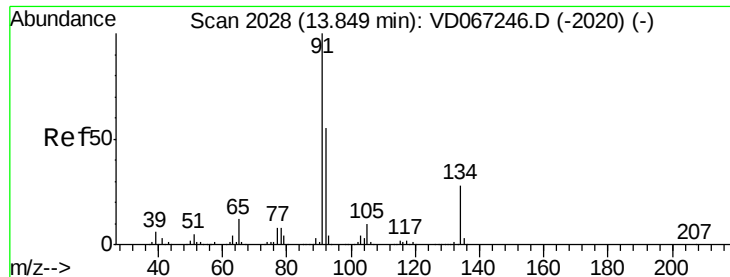
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#88
 1,4-Dichlorobenzene
 Concen: 22.033 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	144044		
111	39.6	19.9	59.7	
148	63.6	31.9	95.9	





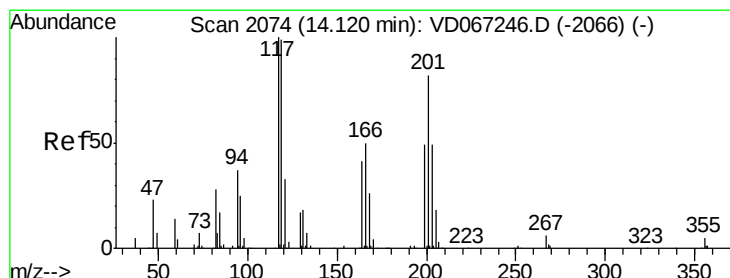
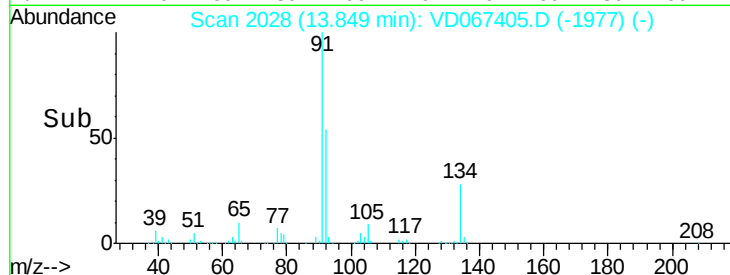
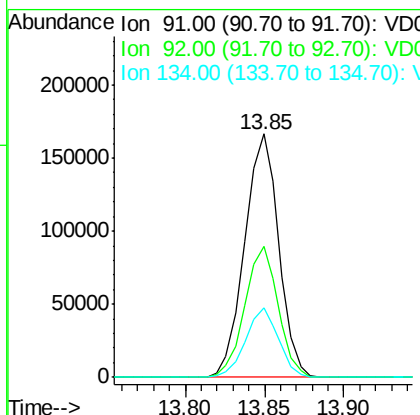
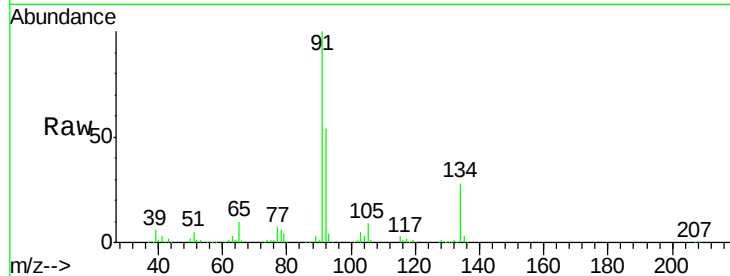
#89
n-Butylbenzene
Concen: 21.667 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	249184		
92	52.8	26.7	80.0	
134	27.3	14.2	42.6	

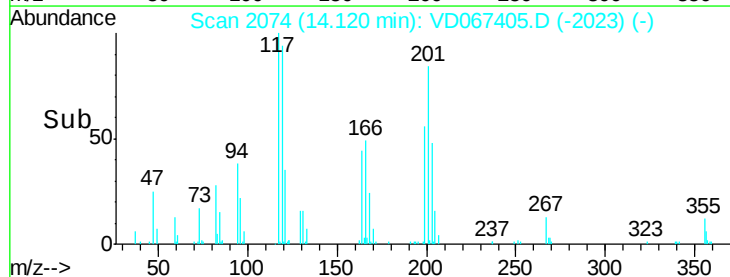
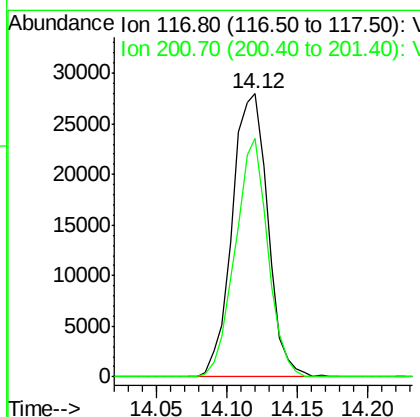
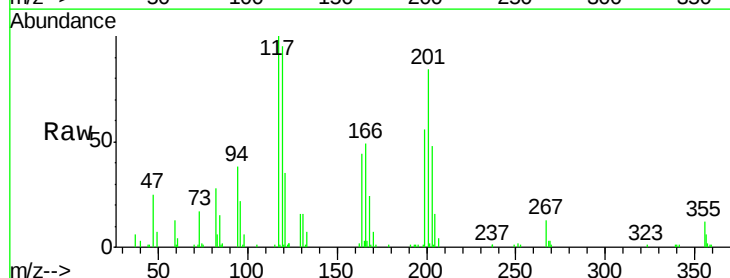
Manual Integrations
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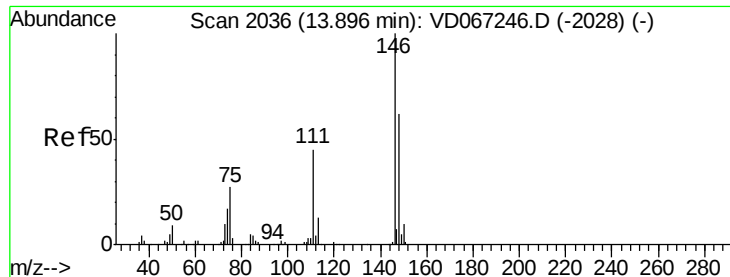
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#90
Hexachloroethane
Concen: 21.577 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49223		
201	77.4	40.8	122.2	





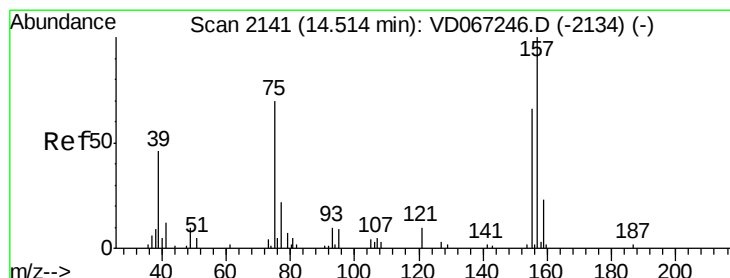
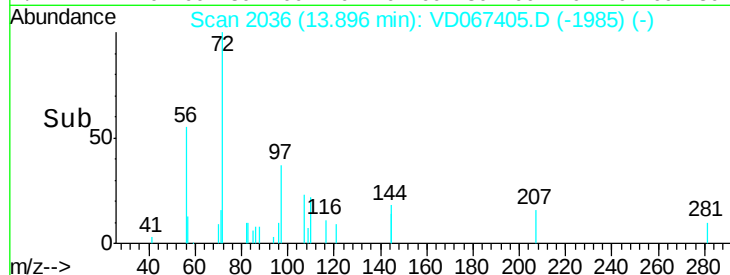
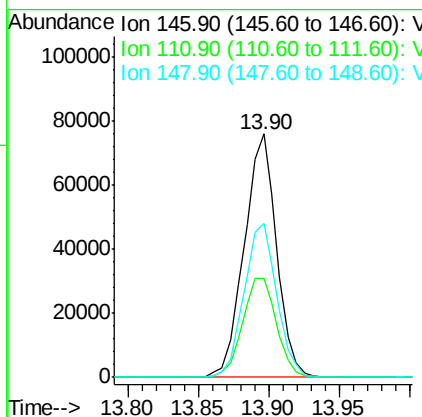
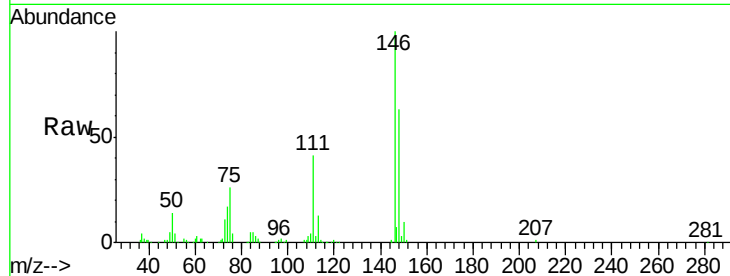
#91
 1,2-Dichlorobenzene
 Concen: 21.073 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1027SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.0	66.0
148	64.0	32.5	97.5

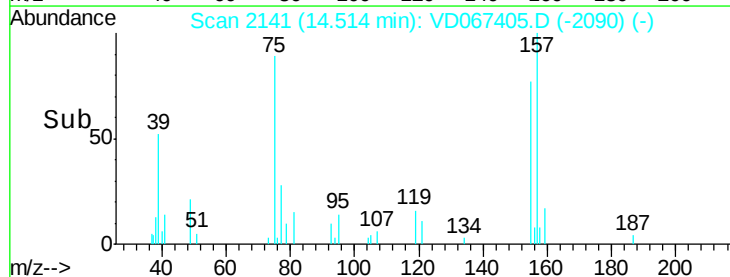
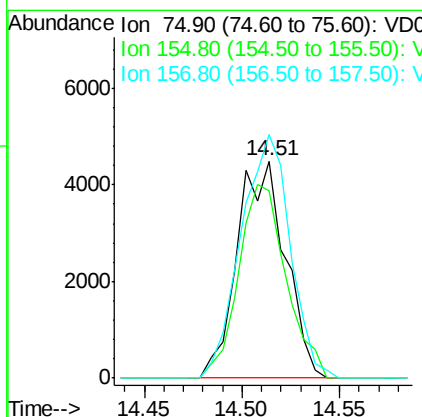
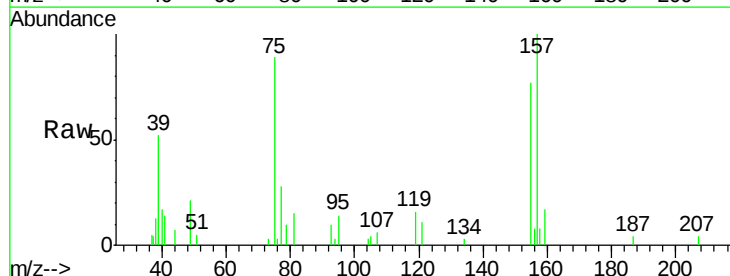
Manual Integrations
 APPROVED

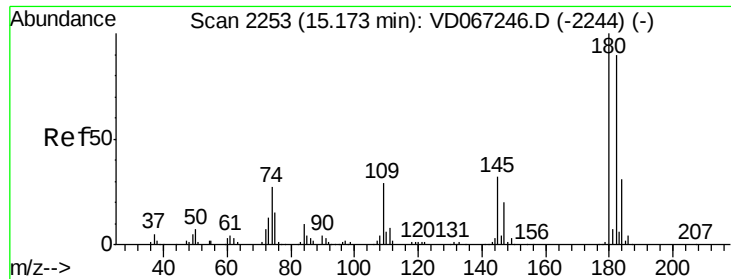
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.083 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067405.D
 Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.7	44.8	134.4
157	114.3	62.5	187.4





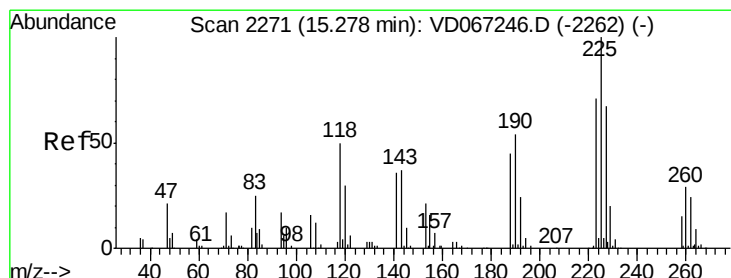
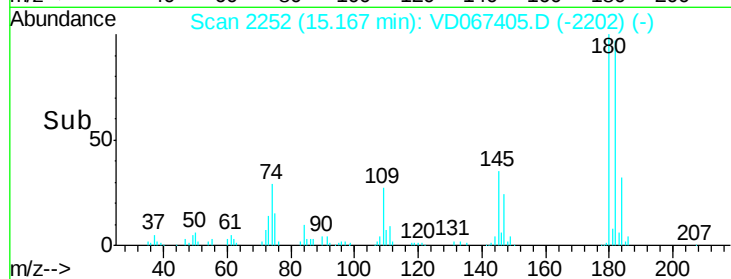
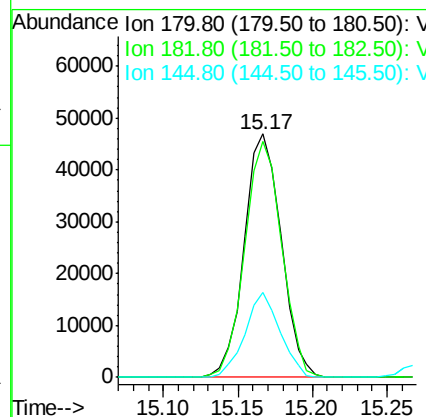
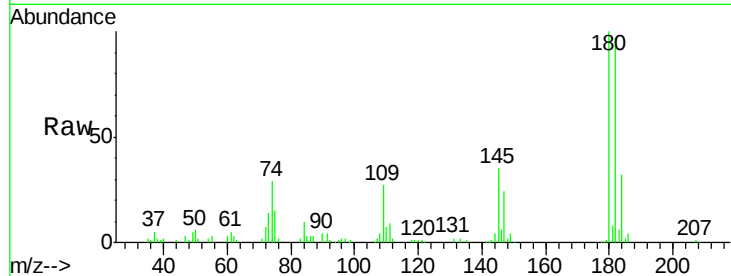
#93
1,2,4-Trichlorobenzene
Concen: 20.716 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.4
145	33.1	16.3	48.9

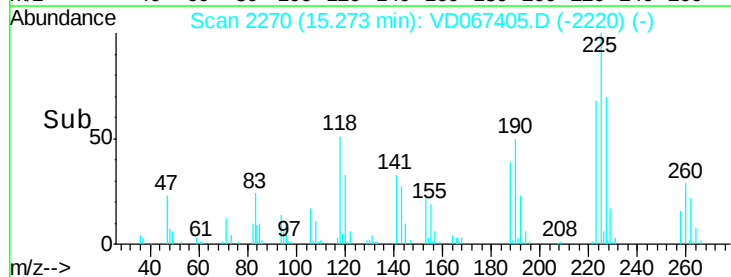
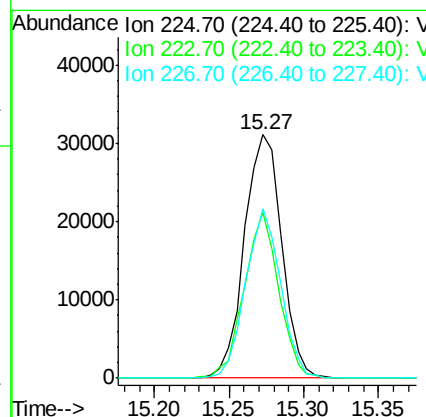
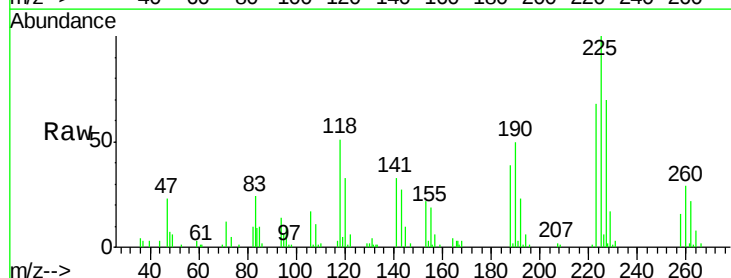
Manual Integrations
APPROVED

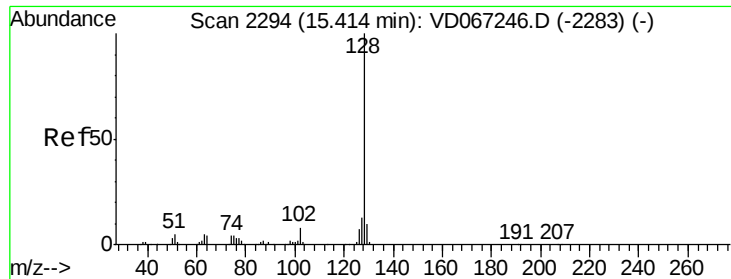
MMDadoda
10/28/2020 11:45:24 AM



#94
Hexachlorobutadiene
Concen: 22.309 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.9	95.7
227	65.3	31.2	93.6





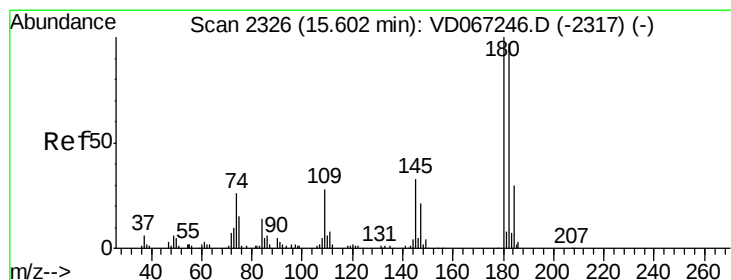
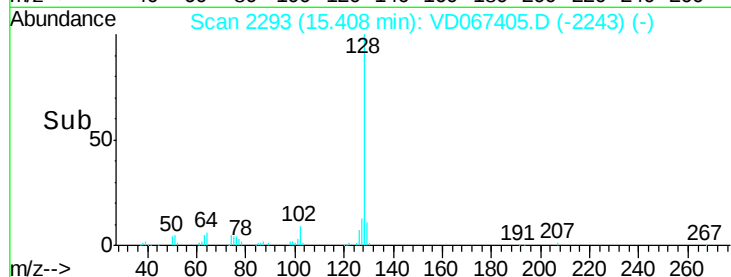
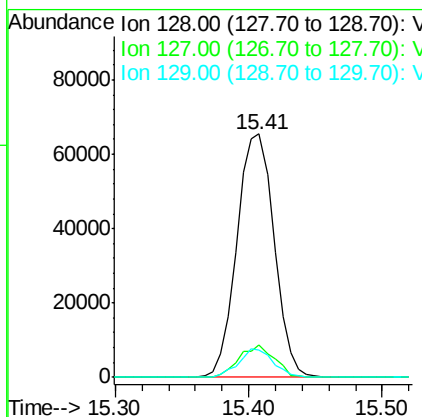
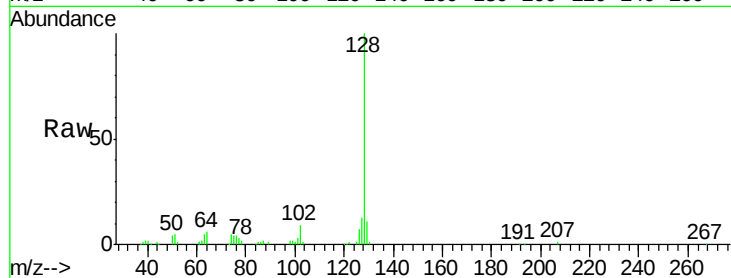
#95
Naphthalene
Concen: 19.796 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Instrument :
MSVOA_D
ClientSampleId :
VD1027SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.1	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/28/2020 11:45:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.524 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067405.D
Acq: 27 Oct 2020 12:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.7	48.1	144.3
145	35.3	17.3	51.9

