

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067431.D
 Acq On : 28 Oct 2020 13:58
 Operator : VA/SY
 Sample : VD1028SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 12:00:56 PM

Quant Time: Oct 29 01:41:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	313742	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	464035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	432442	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220822	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	152582	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	7.92	113	155866	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.34	98	573975	51.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.72%	
62) 4-Bromofluorobenzene	12.64	95	196254	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	55364	19.299	ug/l	96
3) Chloromethane	2.21	50	38915	19.708	ug/l	100
4) Vinyl Chloride	2.35	62	40895	18.876	ug/l	100
5) Bromomethane	2.76	94	32246	19.978	ug/l	92
6) Chloroethane	2.91	64	25360	18.796	ug/l	99
7) Trichlorofluoromethane	3.27	101	114835	21.050	ug/l	96
8) Diethyl Ether	3.71	74	24528	19.649	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.10	101	61035	21.058	ug/l	98
10) Methyl Iodide	4.30	142	50758	18.984	ug/l	94
11) Tert butyl alcohol	5.20	59	22530m	112.852	ug/l	
12) 1,1-Dichloroethene	4.07	96	52896	20.428	ug/l	99
13) Acrolein	3.91	56	9593	68.304	ug/l	95
14) Allyl chloride	4.72	41	60179	20.294	ug/l	99
15) Acrylonitrile	5.43	53	43422	104.246	ug/l	98
16) Acetone	4.16	43	43875	99.669	ug/l	94
17) Carbon Disulfide	4.40	76	142016	19.239	ug/l	99
18) Methyl Acetate	4.72	43	20118	20.037	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	106521	20.689	ug/l	97
20) Methylene Chloride	4.97	84	68020	21.570	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	60002	20.136	ug/l	94
22) Diisopropyl ether	6.37	45	119070	21.981	ug/l	93
23) Vinyl Acetate	6.31	43	325549	105.636	ug/l	100
24) 1,1-Dichloroethane	6.26	63	100051	21.577	ug/l	98
25) 2-Butanone	7.21	43	52619	104.862	ug/l	90
26) 2,2-Dichloropropane	7.21	77	99109	20.737	ug/l	97
27) cis-1,2-Dichloroethene	7.22	96	69044	21.142	ug/l	99
28) Bromochloromethane	7.55	49	30388	19.213	ug/l #	94
29) Tetrahydrofuran	7.57	42	28837	103.382	ug/l	94
30) Chloroform	7.71	83	119600	21.591	ug/l	96
31) Cyclohexane	7.99	56	71569	19.769	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	121247	22.309	ug/l	98
36) 1,1-Dichloropropene	8.11	75	85378	21.708	ug/l	99
37) Ethyl Acetate	7.29	43	25588	22.113	ug/l	94
38) Carbon Tetrachloride	8.10	117	107756	21.437	ug/l	94

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Quant Time: Oct 29 01:41:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	85566	20.811	ug/l	95
40) Benzene	8.36	78	233991	21.686	ug/l	99
41) Methacrylonitrile	7.53	41	15033	24.041	ug/l #	74
42) 1,2-Dichloroethane	8.43	62	74038	21.927	ug/l	98
43) Isopropyl Acetate	8.46	43	48706	21.212	ug/l	98
44) Trichloroethene	9.11	130	72325	20.936	ug/l	91
45) 1,2-Dichloropropane	9.39	63	54825	21.925	ug/l	99
46) Dibromomethane	9.48	93	33955	21.794	ug/l	96
47) Bromodichloromethane	9.67	83	90019	21.565	ug/l	97
48) Methyl methacrylate	9.46	41	22814	20.446	ug/l	99
49) 1,4-Dioxane	9.47	88	6766	431.488	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	122899	107.314	ug/l	100
52) Toluene	10.41	92	168015	22.863	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	77784	21.213	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	93433	21.772	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	48453	22.806	ug/l	95
56) Ethyl methacrylate	10.66	69	46941	21.304	ug/l	99
57) 1,3-Dichloropropane	10.95	76	74546	22.048	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	117170	103.659	ug/l	97
59) 2-Hexanone	10.99	43	84127	107.501	ug/l	99
60) Dibromochloromethane	11.14	129	68185	22.007	ug/l	99
61) 1,2-Dibromoethane	11.25	107	45240	21.599	ug/l	99
64) Tetrachloroethene	10.88	164	68373	21.822	ug/l	96
65) Chlorobenzene	11.67	112	182972	22.065	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	74339	22.555	ug/l	98
67) Ethyl Benzene	11.75	91	315883	22.222	ug/l	97
68) m/p-Xylenes	11.86	106	244613	44.687	ug/l	98
69) o-Xylene	12.18	106	109933	21.688	ug/l	95
70) Styrene	12.20	104	192318	22.040	ug/l	99
71) Bromoform	12.37	173	38043	21.486	ug/l #	100
73) Isopropylbenzene	12.48	105	313530	22.371	ug/l	100
74) N-amyl acetate	12.29	43	44329	20.943	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	44175	20.571	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	29088m	19.005	ug/l	
77) Bromobenzene	12.77	156	75624	21.644	ug/l	98
78) n-propylbenzene	12.83	91	358155	22.057	ug/l	100
79) 2-Chlorotoluene	12.91	91	206880	21.969	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	269189	22.103	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	14197	21.035	ug/l	99
82) 4-Chlorotoluene	13.01	91	218719	21.884	ug/l	99
83) tert-Butylbenzene	13.23	119	226987	22.064	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	267717	22.241	ug/l	99
85) sec-Butylbenzene	13.41	105	313464	22.206	ug/l	100
86) p-Isopropyltoluene	13.52	119	291795	21.900	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	151012	22.455	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	148176	22.239	ug/l	99
89) n-Butylbenzene	13.85	91	255791	21.822	ug/l	100
90) Hexachloroethane	14.11	117	51424	22.117	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	128000	21.787	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7595	19.468	ug/l	91

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	86259	21.776	ug/l	98
94) Hexachlorobutadiene	15.27	225	55459	22.546	ug/l	98
95) Naphthalene	15.40	128	133830	20.578	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	74773	21.850	ug/l	100

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

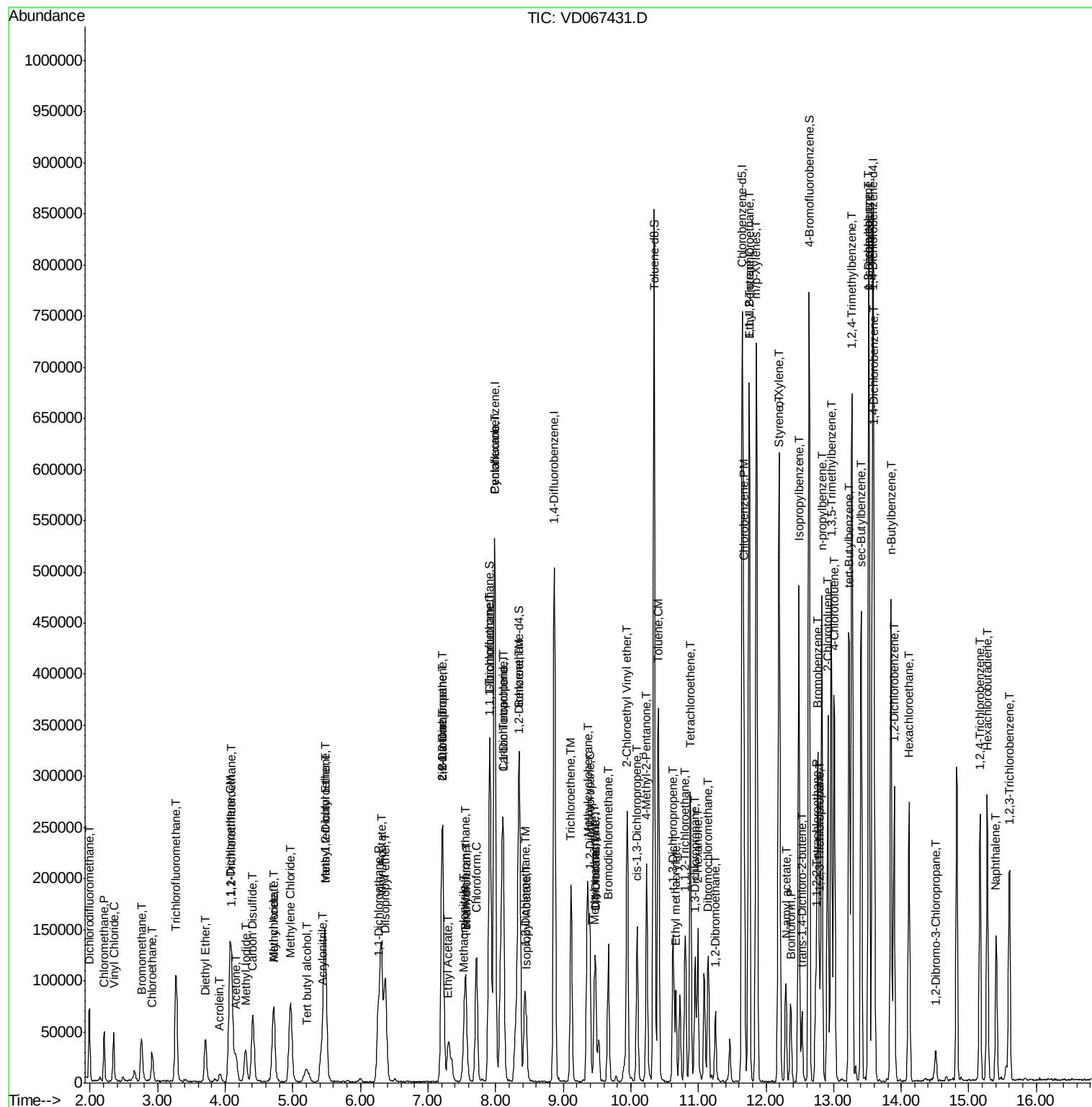
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD102820\
Data File : VD067431.D
Acq On : 28 Oct 2020 13:58
Operator : VA/SY
Sample : VD1028SBSD01
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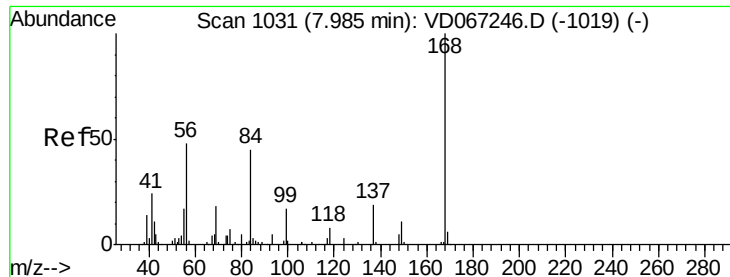
Instrument :
MSVOA_D
Client Sample Id :
VD1028SBSD01

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion:168 Resp: 313742

Ion Ratio Lower Upper

168 100

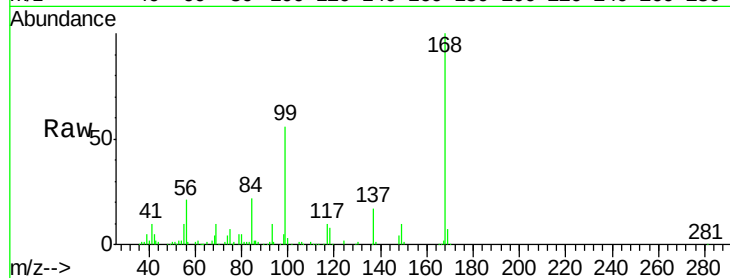
99 55.3 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

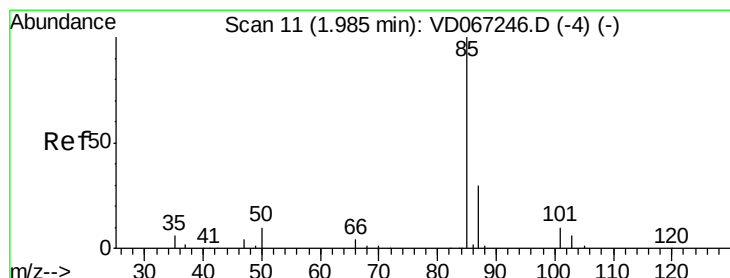
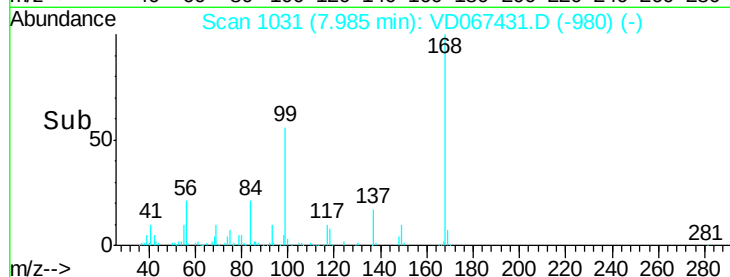
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.299 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067431.D

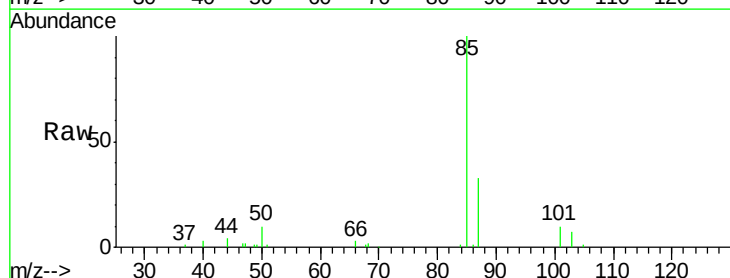
Acq: 28 Oct 2020 13:58

Tgt Ion: 85 Resp: 55364

Ion Ratio Lower Upper

85 100

87 32.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

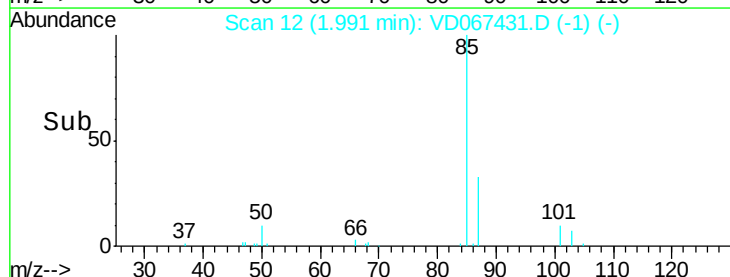
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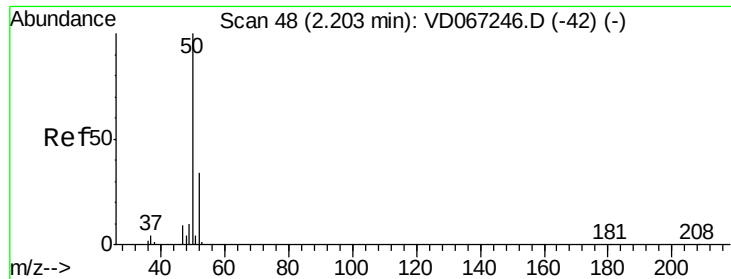
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.708 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBSD01

Tot Ion: 50 Resp: 38915

Ion Ratio Lower Upper

50 100

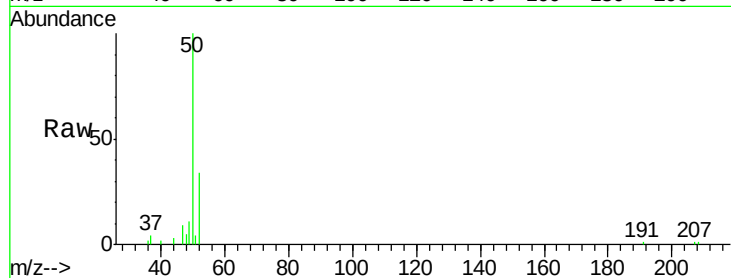
52 33.7 27.1 40.7

Manual Integrations

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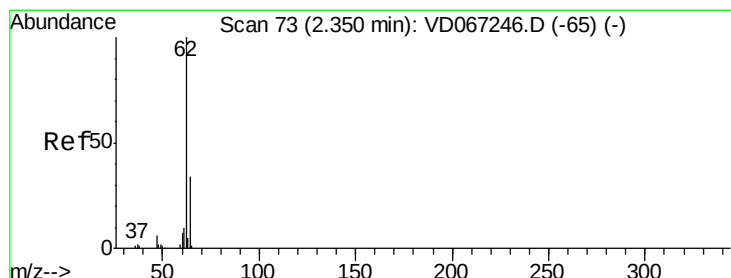
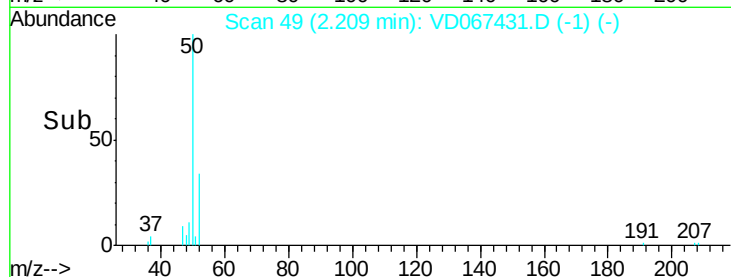
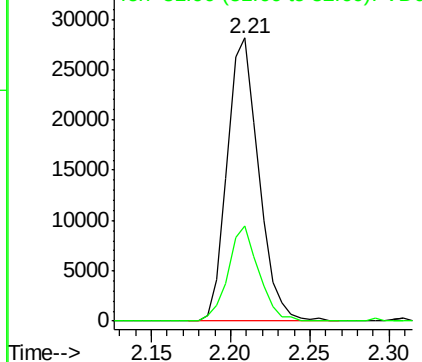
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.876 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067431.D

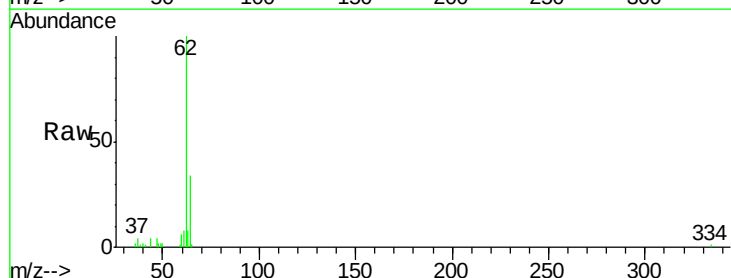
Acq: 28 Oct 2020 13:58

Tgt Ion: 62 Resp: 40895

Ion Ratio Lower Upper

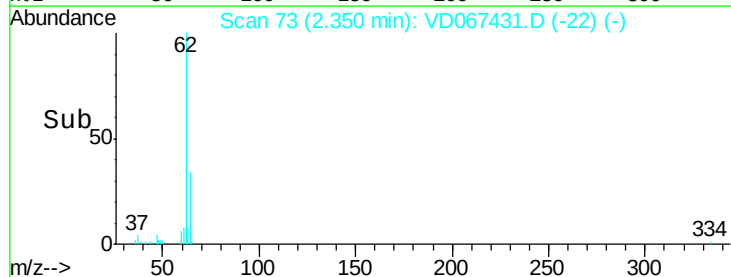
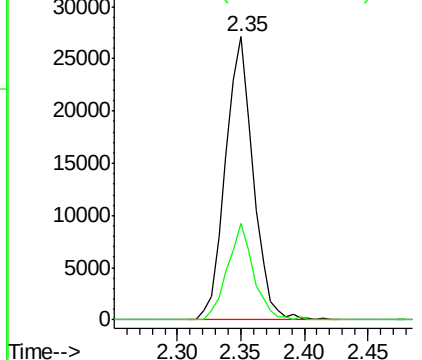
62 100

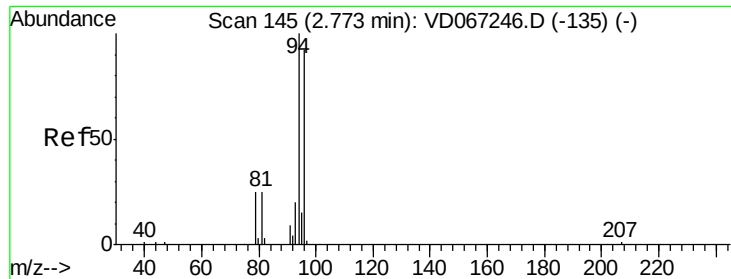
64 34.2 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.978 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 94 Resp: 32246

Ion Ratio Lower Upper

94 100

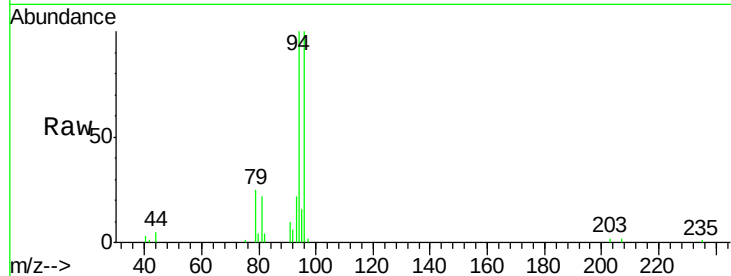
96 100.0 73.8 110.6

Manual Integrations

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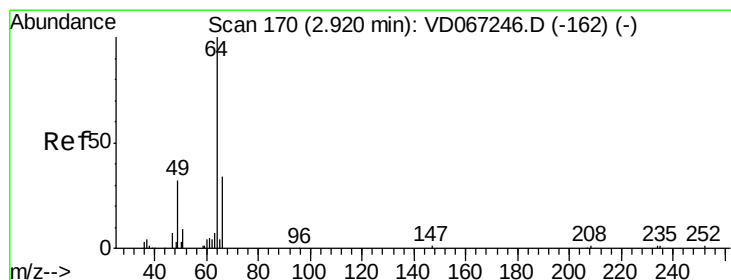
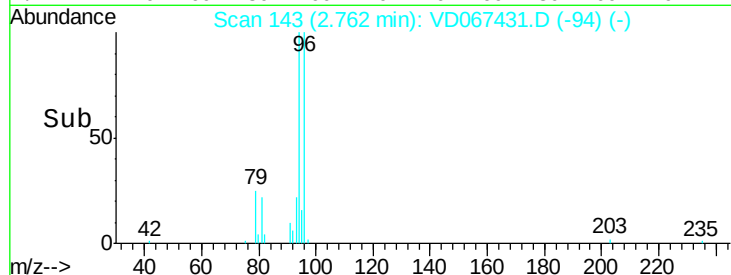
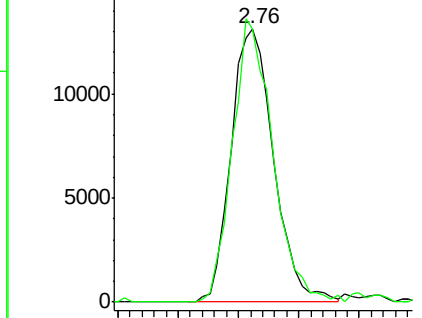
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.796 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067431.D

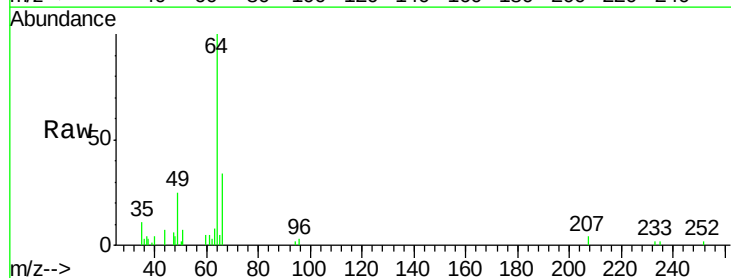
Acq: 28 Oct 2020 13:58

Tgt Ion: 64 Resp: 25360

Ion Ratio Lower Upper

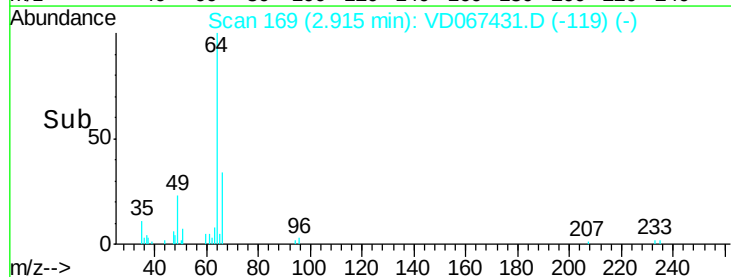
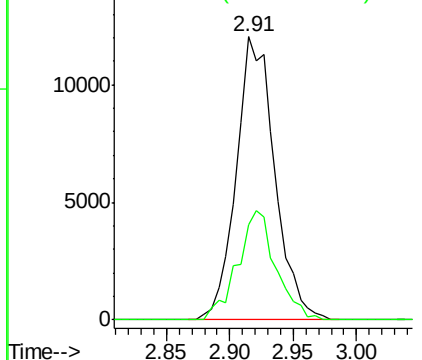
64 100

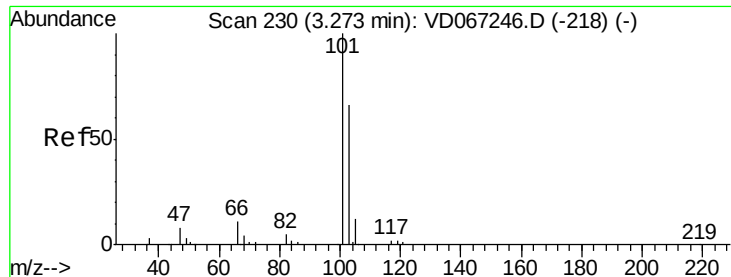
66 33.9 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

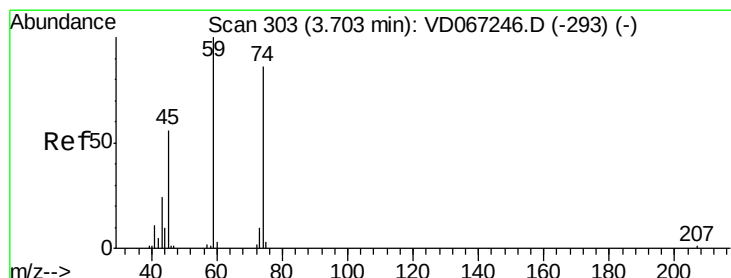
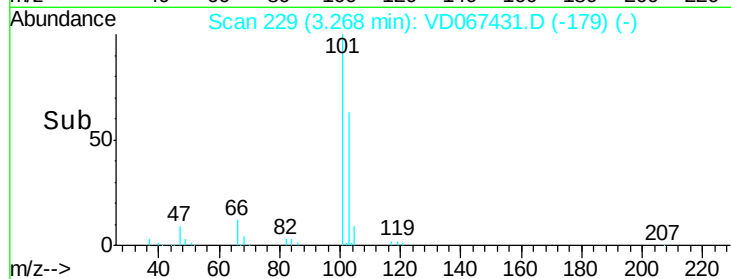
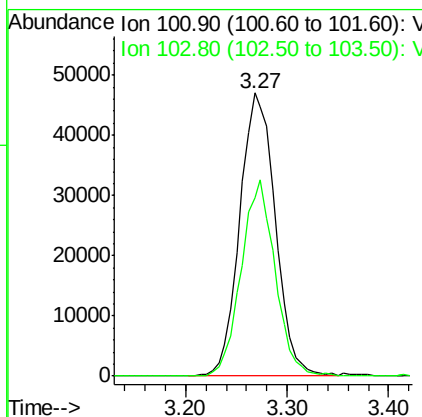
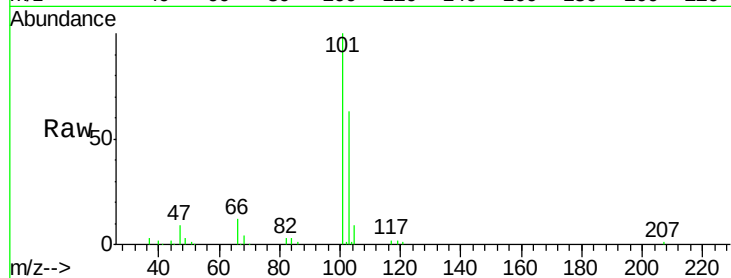
Trichlorofluoromethane
 Concen: 21.050 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	53.1	79.7

Manual Integrations
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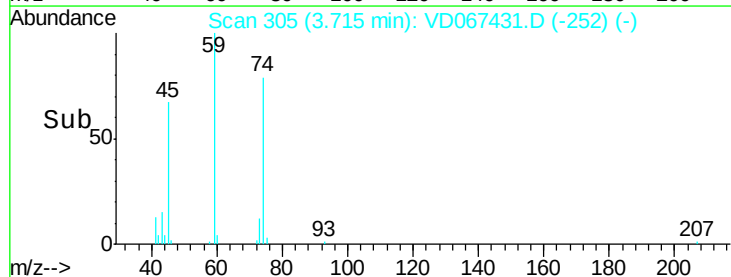
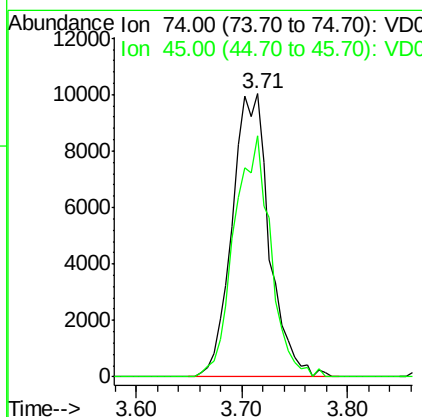
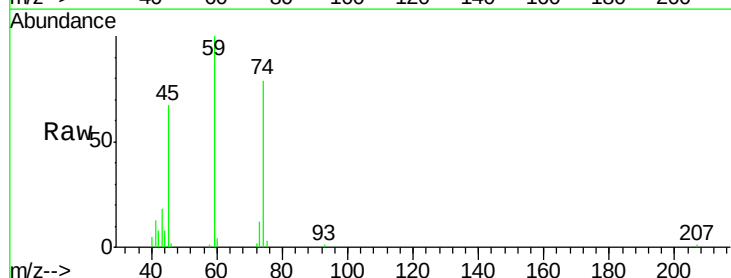
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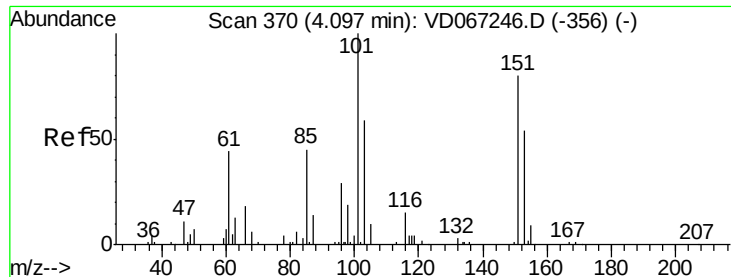


#8

Diethyl Ether
 Concen: 19.649 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	83.3	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.058 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

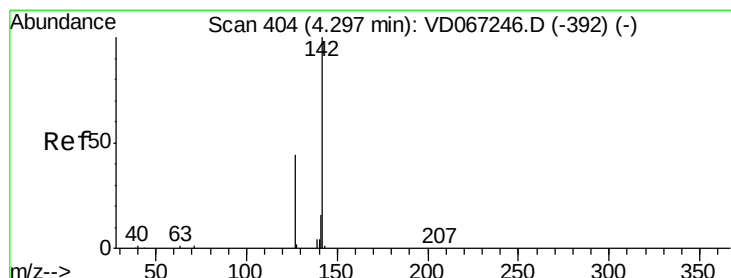
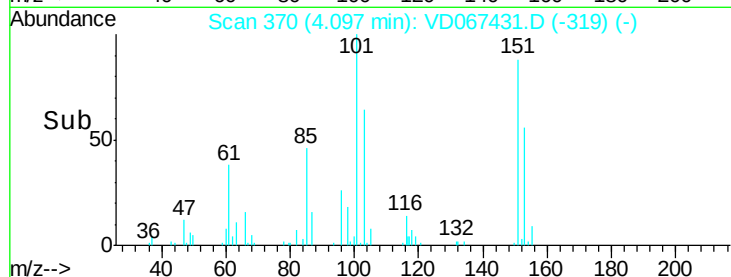
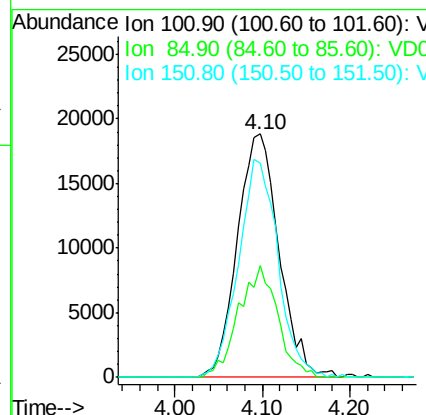
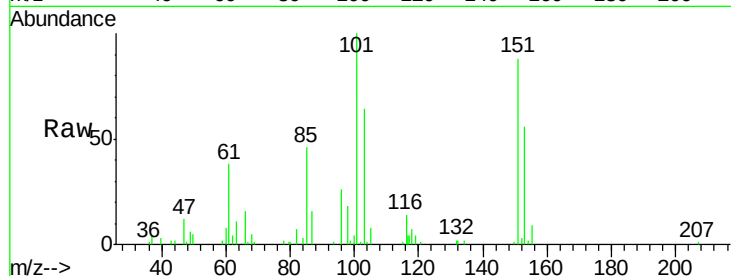
ClientSampleId :

VD1028SBSD01

Tot Ion:	101	Resp:	61035
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.4
151	84.9	66.3	99.5

Manual Integrations
APPROVED

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10/29/2020 12:00:56 PM



#10

Methyl Iodide

Concen: 18.984 ug/l

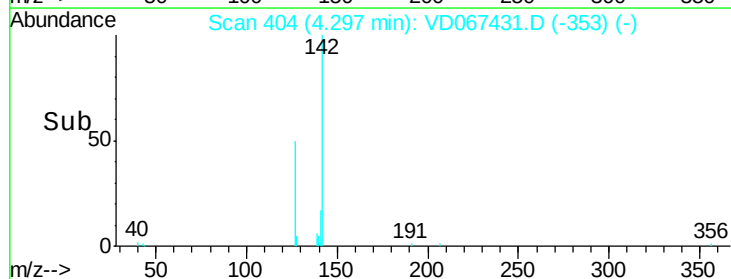
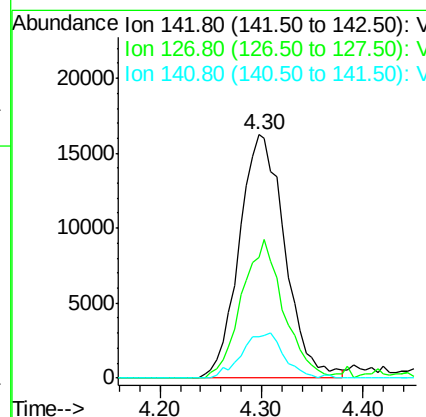
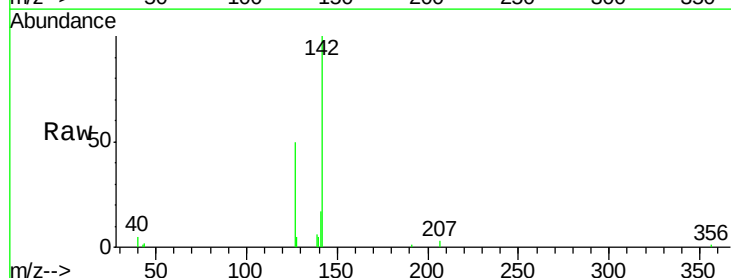
RT: 4.30 min Scan# 404

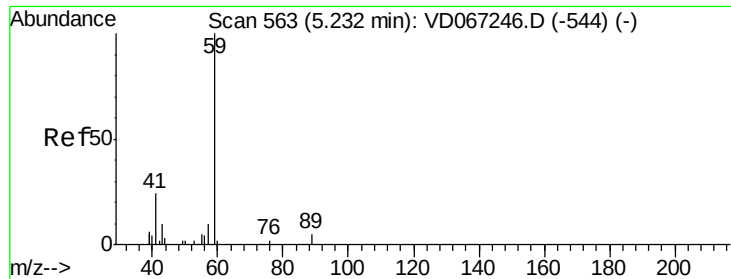
Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Tgt Ion:	142	Resp:	50758
Ion Ratio	Lower	Upper	
142	100		
127	52.2	38.4	57.6
141	17.0	11.6	17.4





#11

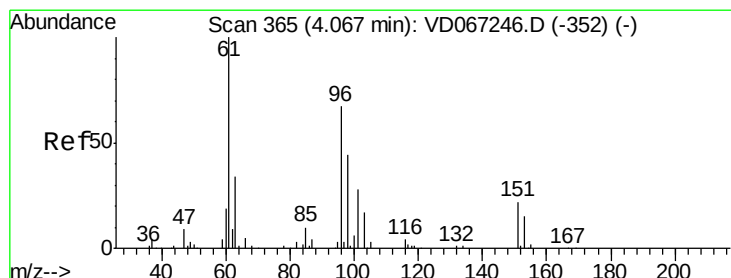
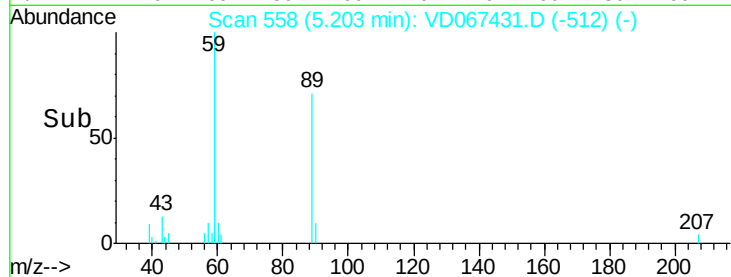
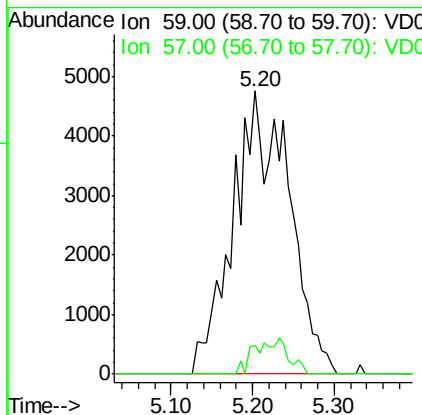
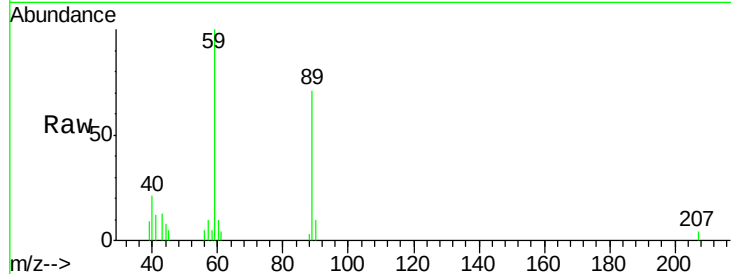
Tert butyl alcohol
 Concen: 112.852 ug/l m
 RT: 5.20 min Scan# 558
 Delta R.T. -0.03 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion: 59 Resp: 22530
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.1 7.7#

Manual Integrations
 APPROVED

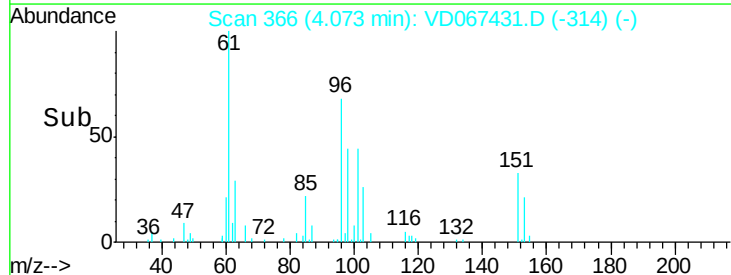
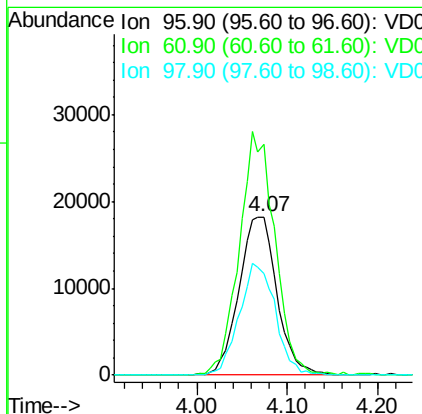
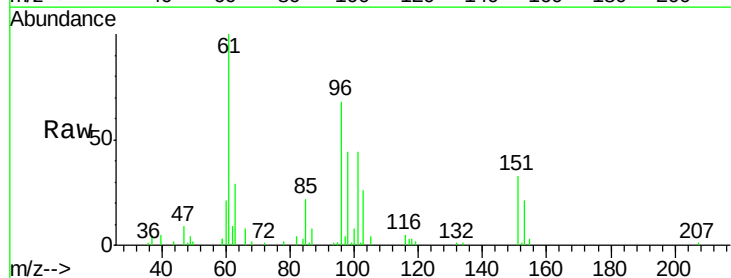
MMDadoda
 10/29/2020 12:00:56 PM

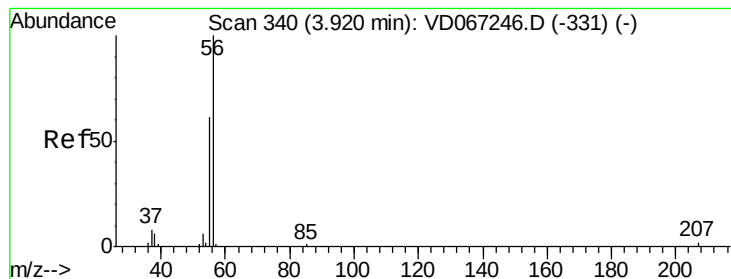


#12

1,1-Dichloroethene
 Concen: 20.428 ug/l
 RT: 4.07 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion: 96 Resp: 52896
 Ion Ratio Lower Upper
 96 100
 61 146.4 118.6 177.8
 98 64.5 51.8 77.6





#13

Acrolein

Concen: 68.304 ug/l

RT: 3.91 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 56 Resp: 9593

Ion Ratio Lower Upper

56 100

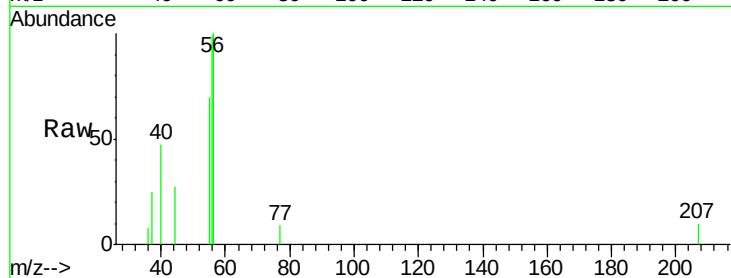
55 65.9 56.0 84.0

Manual Integrations

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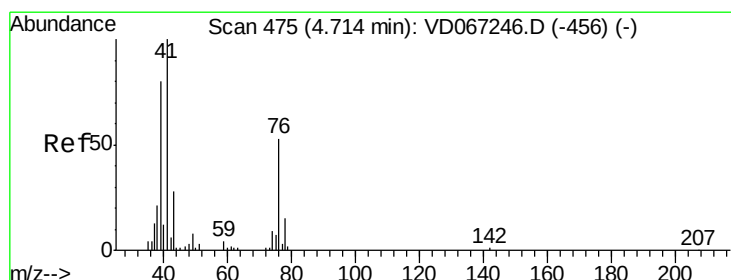
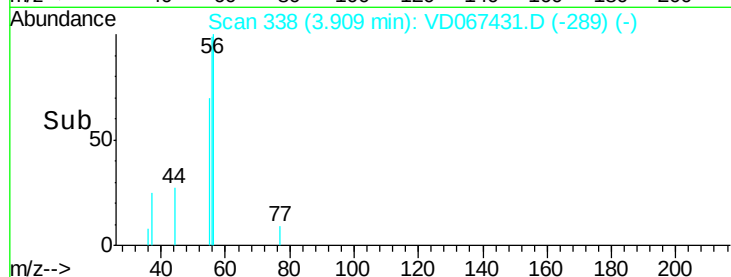
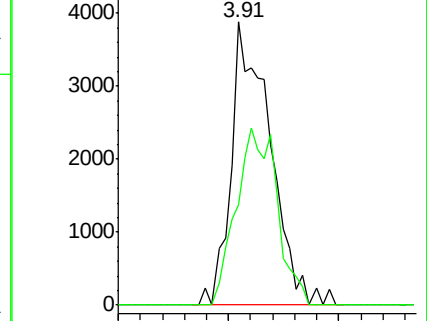
MMDadoda

10/29/2020 12:00:56 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.294 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

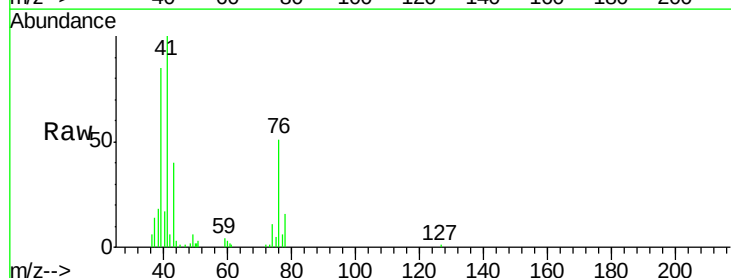
Tgt Ion: 41 Resp: 60179

Ion Ratio Lower Upper

41 100

39 79.2 63.8 95.6

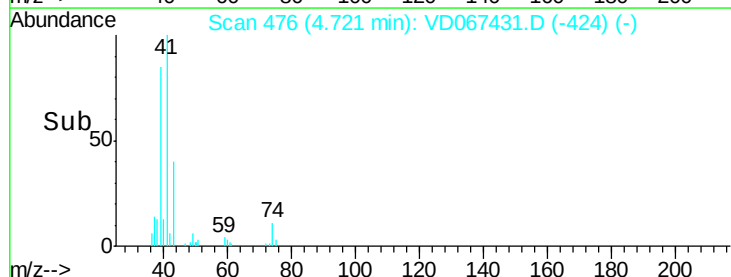
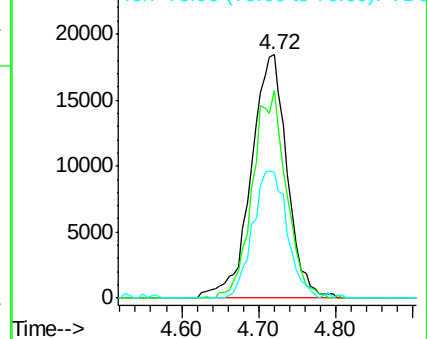
76 50.2 40.4 60.6

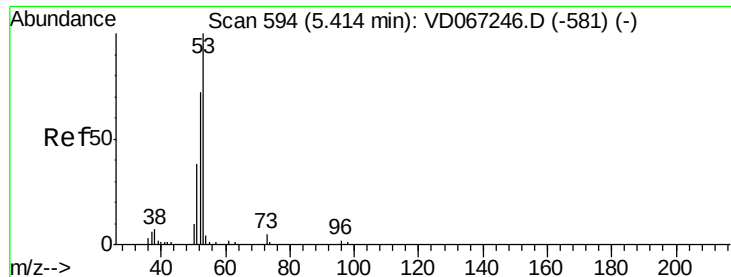


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 104.246 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

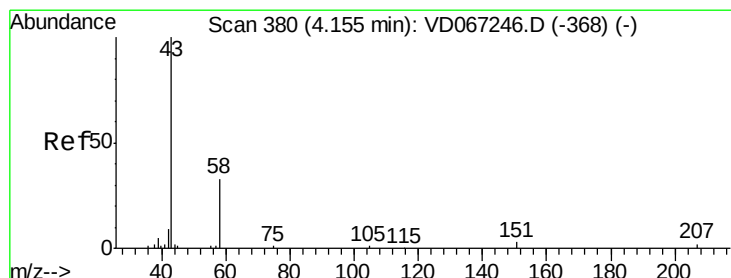
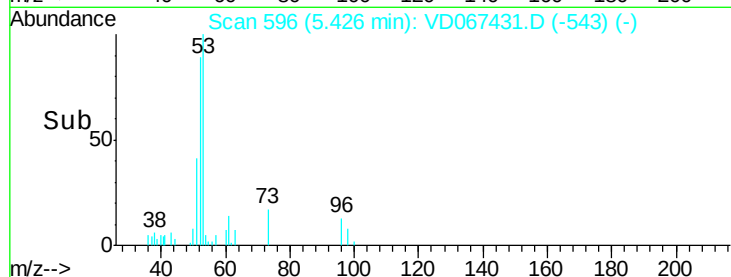
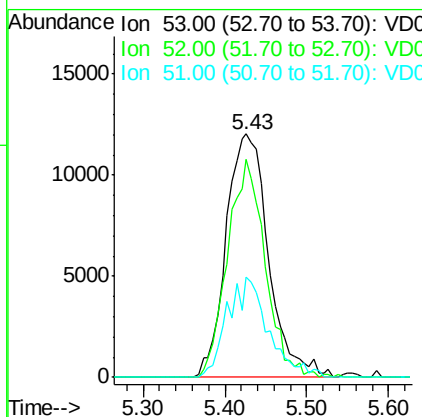
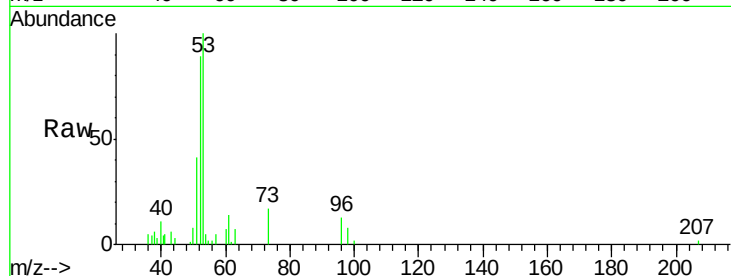
ClientSampleId :

VD1028SBS01

Tot Ion:	53	Resp:	43422
Ion	Ratio	Lower	Upper
53	100		
52	79.7	65.6	98.4
51	39.8	30.8	46.2

Manual Integrations
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MMDadoda
10/29/2020 12:00:56 PM



#16

Acetone

Concen: 99.669 ug/l

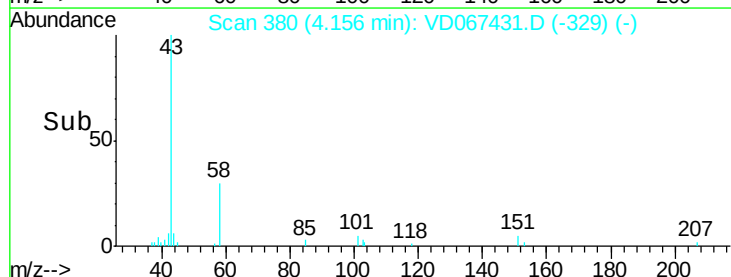
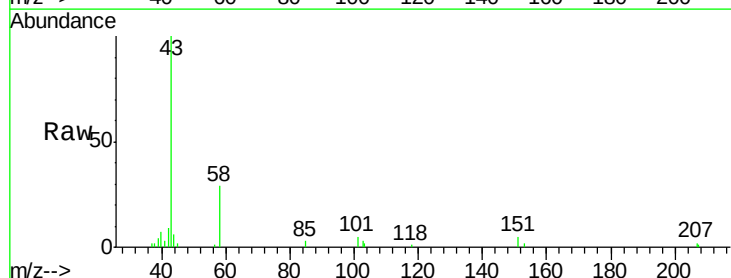
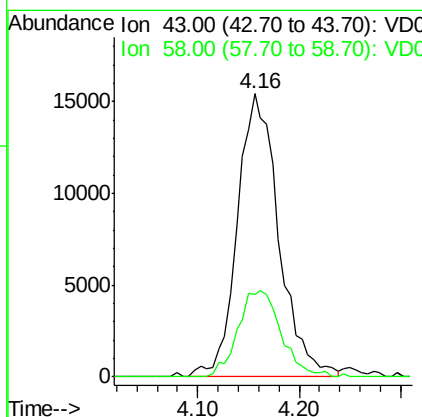
RT: 4.16 min Scan# 380

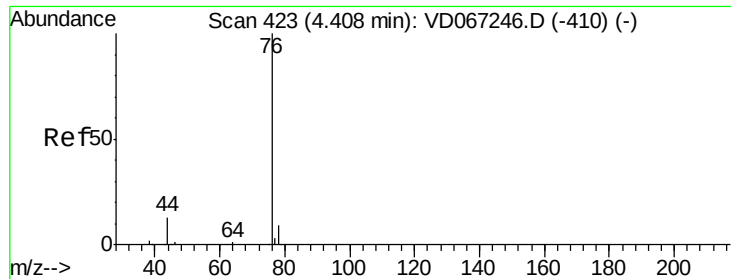
Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Tgt Ion:	43	Resp:	43875
Ion	Ratio	Lower	Upper
43	100		
58	29.3	26.1	39.1





#17

Carbon Disulfide

Concen: 19.239 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 76 Resp: 142016

Ion Ratio Lower Upper

76 100

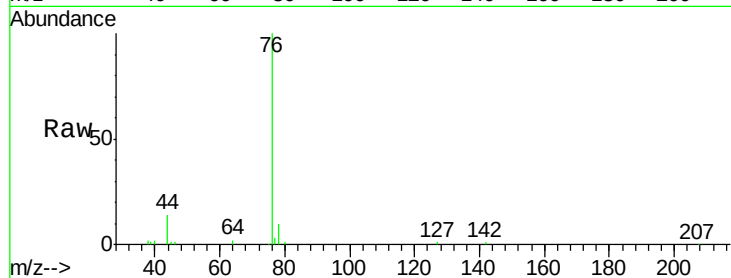
78 9.6 7.4 11.0

Manual Integrations

APPROVED

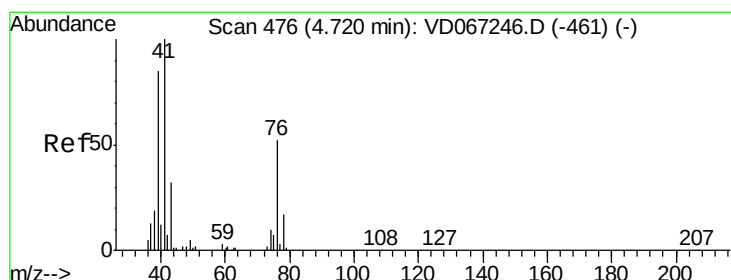
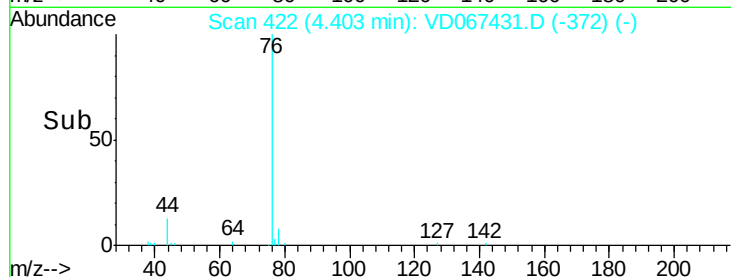
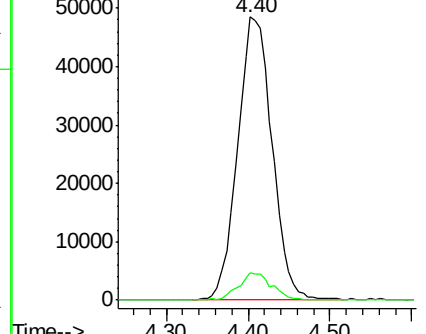
MMDadoda

10/29/2020 12:00:56 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.037 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067431.D

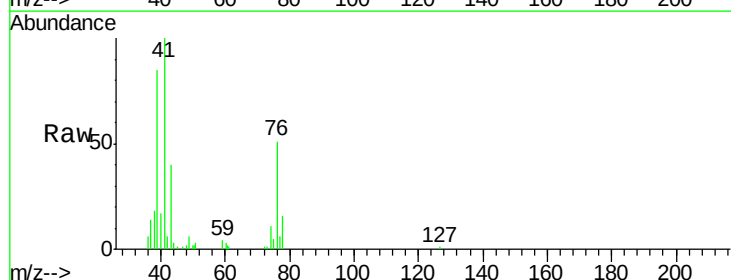
Acq: 28 Oct 2020 13:58

Tgt Ion: 43 Resp: 20118

Ion Ratio Lower Upper

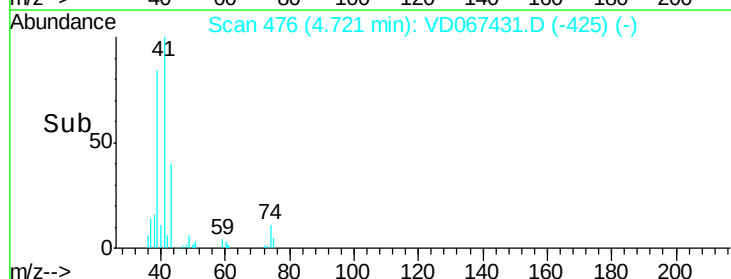
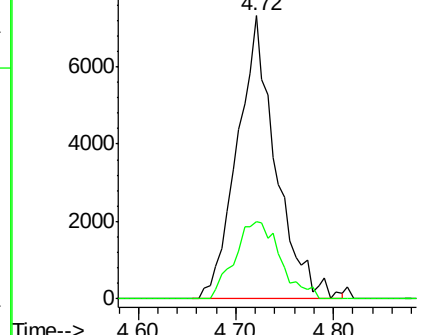
43 100

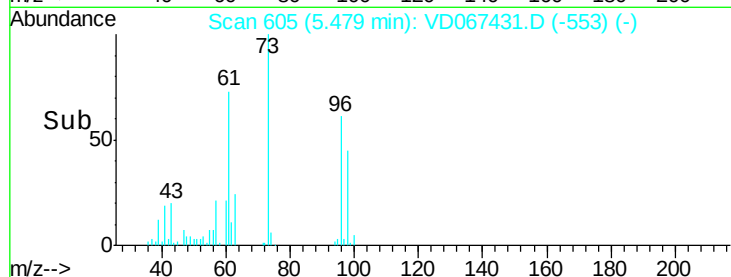
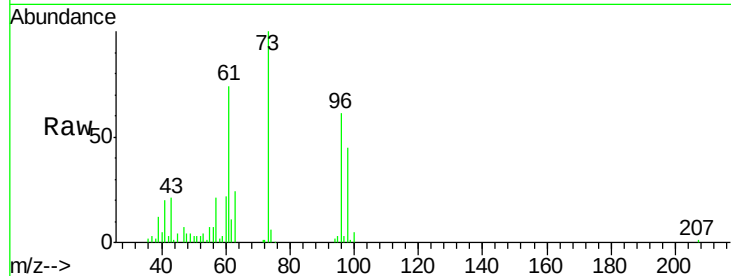
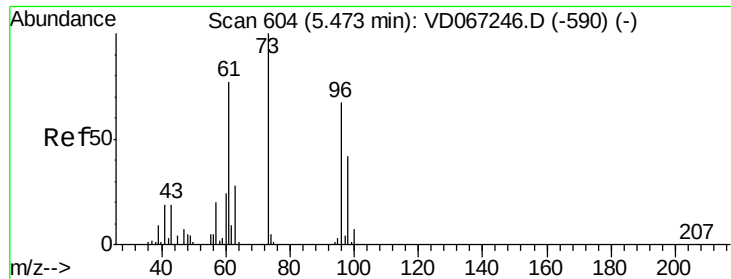
74 32.3 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





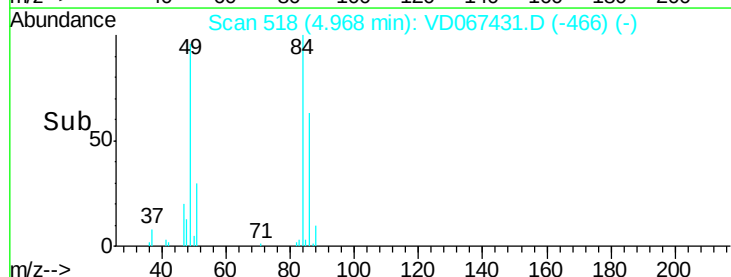
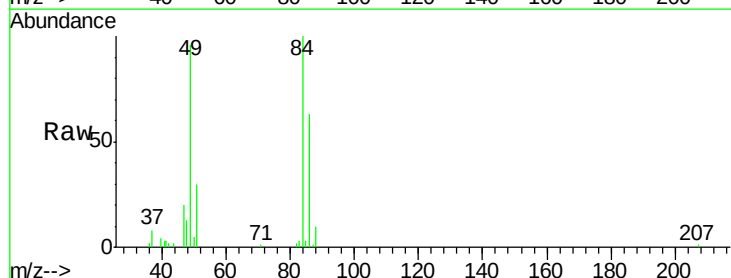
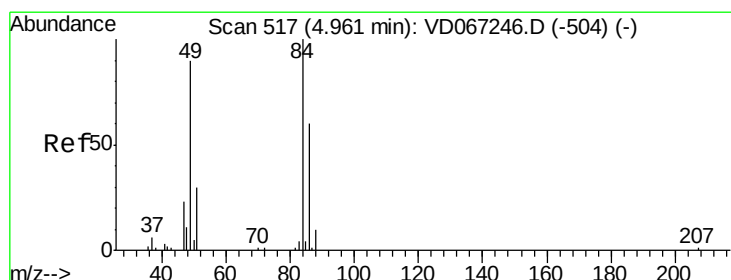
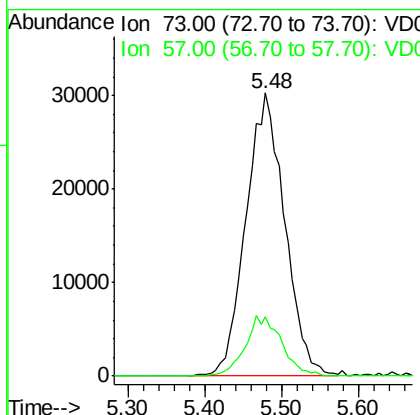
#19
Methyl tert-butyl Ether
Concen: 20.689 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tot Ion: 73 Resp: 106521
Ion Ratio Lower Upper
73 100
57 21.1 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

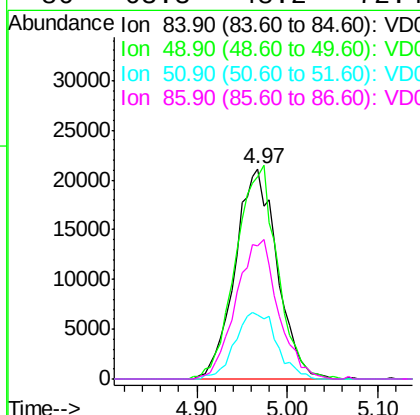
Manual Integrations
APPROVED

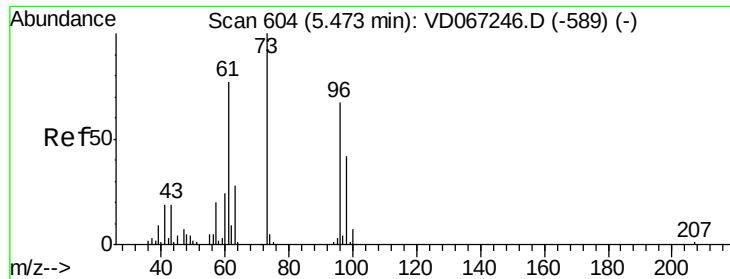
MMDadoda
10/29/2020 12:00:56 PM



#20
Methylene Chloride
Concen: 21.570 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 84 Resp: 68020
Ion Ratio Lower Upper
84 100
49 96.3 72.2 108.2
51 30.5 23.8 35.8
86 63.3 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.136 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

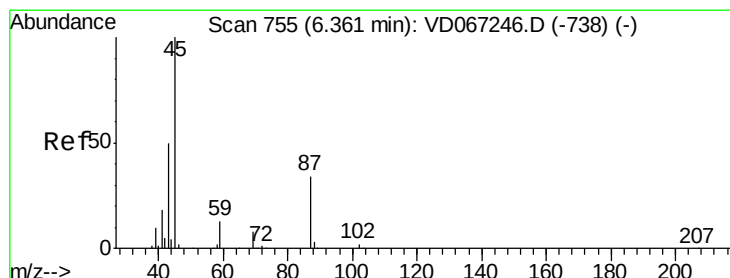
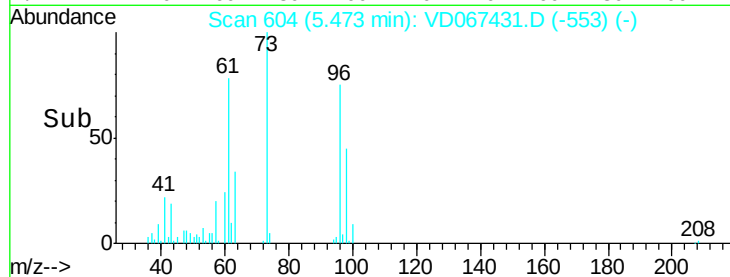
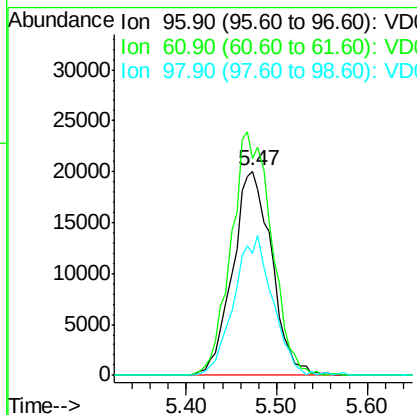
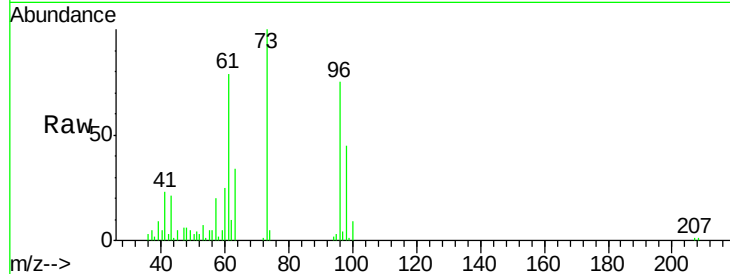
ClientSampleId :

VD1028SBS01

Tot Ion:	96	Resp:	60002
Ion	Ratio	Lower	Upper
96	100		
61	106.1	92.0	138.0
98	60.0	49.8	74.8

Manual Integrations
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MMDadoda
10/29/2020 12:00:56 PM



#22

Diisopropyl ether

Concen: 21.981 ug/l

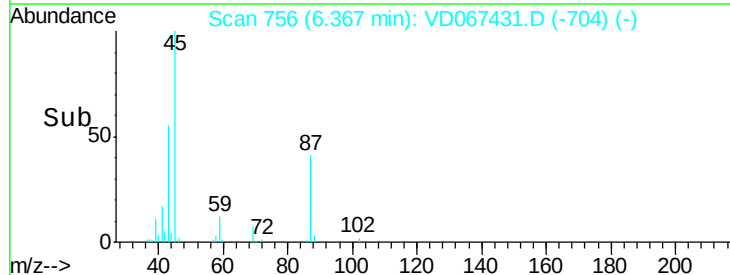
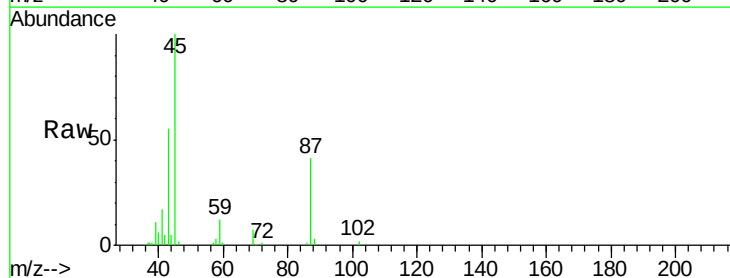
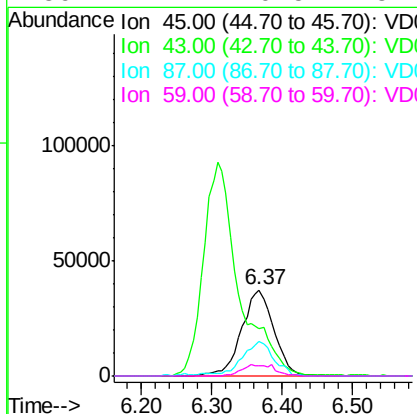
RT: 6.37 min Scan# 756

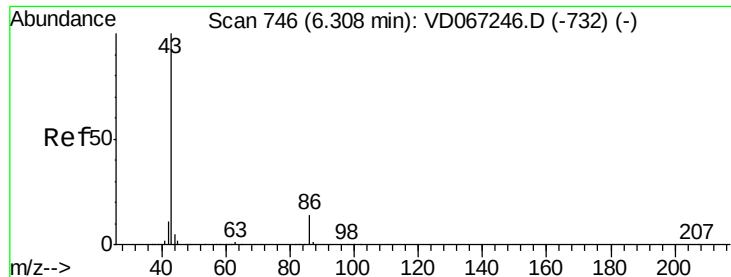
Delta R.T. 0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Tgt Ion:	45	Resp:	119070
Ion	Ratio	Lower	Upper
45	100		
43	54.1	48.0	72.0
87	40.3	28.5	42.7
59	12.2	10.5	15.7





#23

Vinyl Acetate

Concen: 105.636 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 43 Resp: 325549

Ion Ratio Lower Upper

43 100

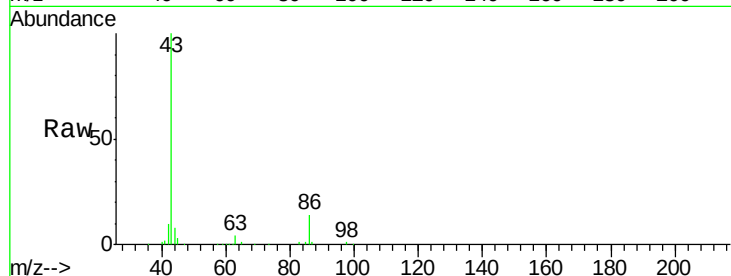
86 13.7 11.0 16.6

Manual Integrations

APPROVED

MMDadoda

10/29/2020 12:00:56 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

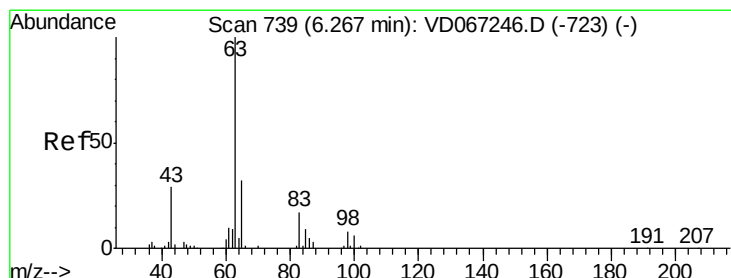
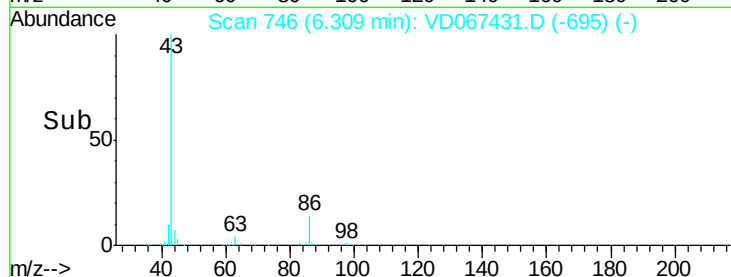
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.577 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

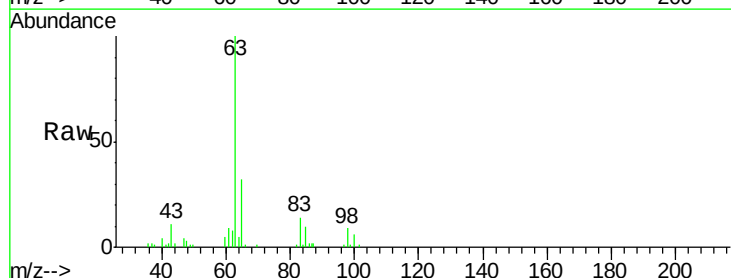
Tgt Ion: 63 Resp: 100051

Ion Ratio Lower Upper

63 100

98 9.0 4.0 12.2

100 5.8 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

6.26

40000

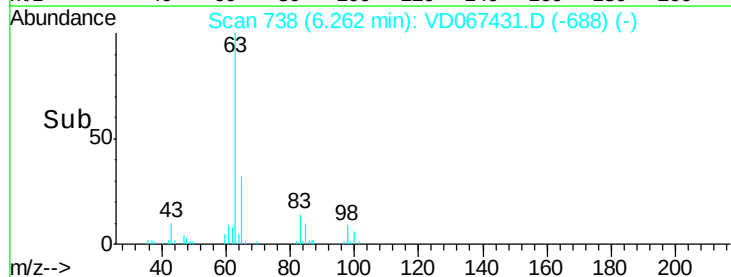
30000

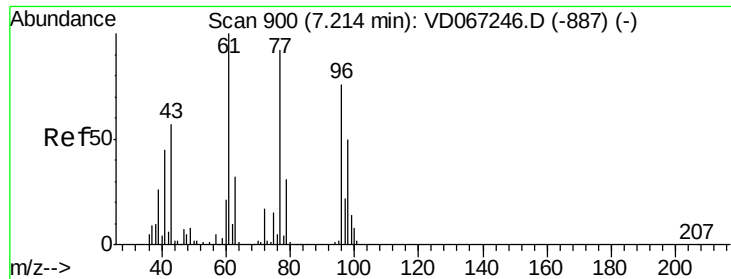
20000

10000

0

Time-->





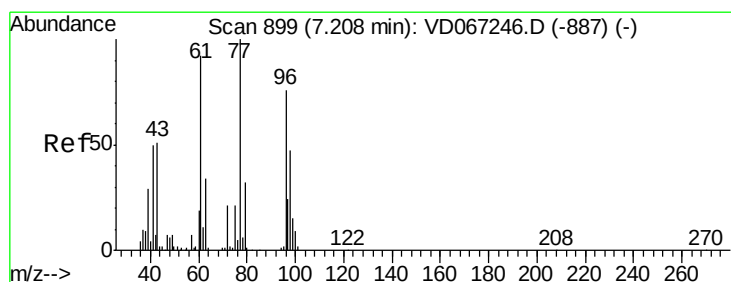
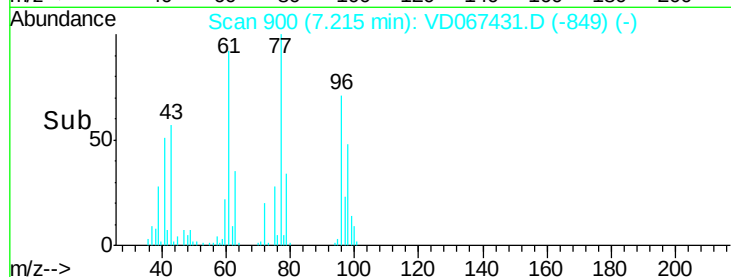
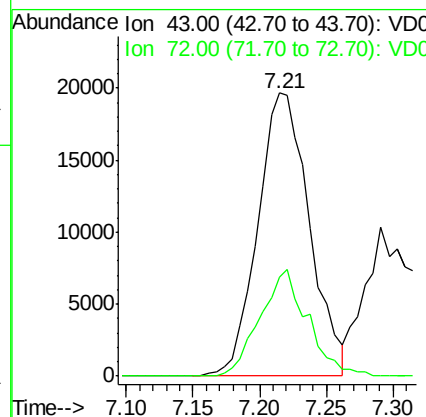
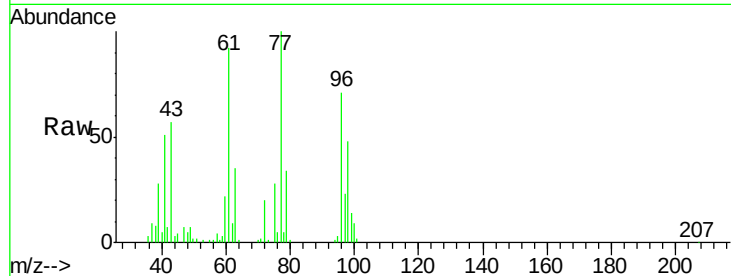
#25
2-Butanone
Concen: 104.862 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion: 43 Resp: 52619
Ion Ratio Lower Upper
43 100
72 35.0 23.7 35.5

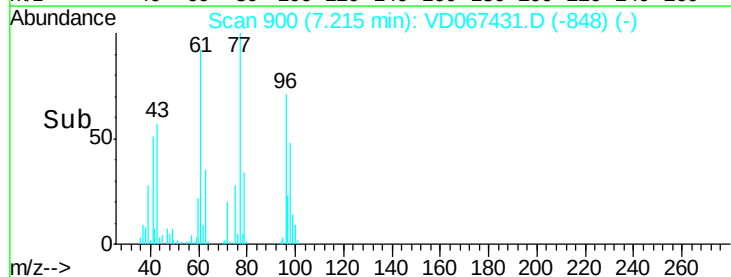
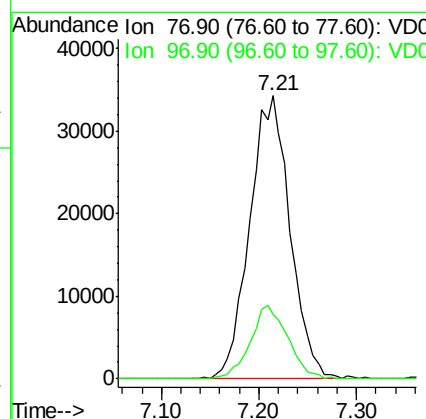
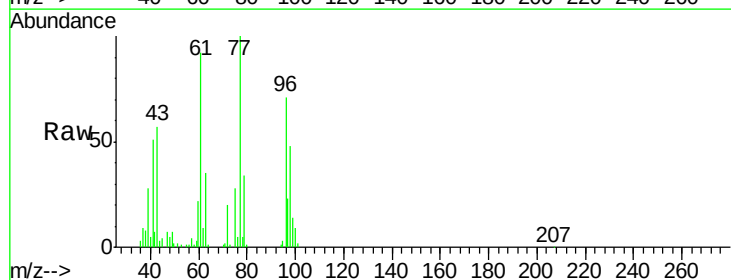
Manual Integrations
APPROVED

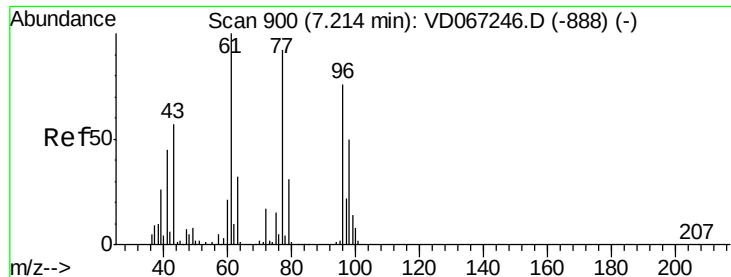
MMDadoda
10/29/2020 12:00:56 PM



#26
2,2-Dichloropropane
Concen: 20.737 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion: 77 Resp: 99109
Ion Ratio Lower Upper
77 100
97 24.1 11.4 34.2





#27

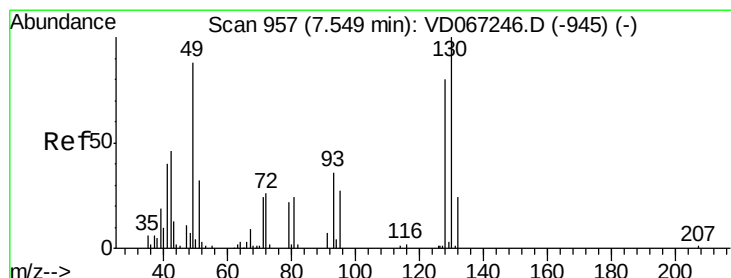
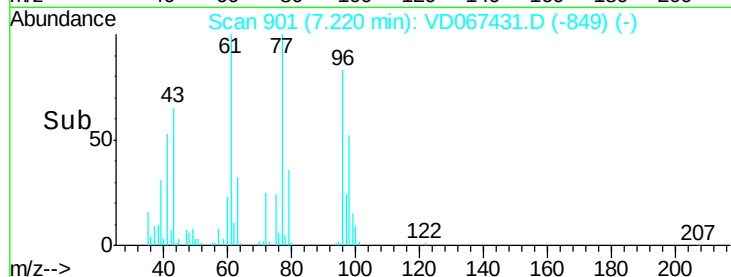
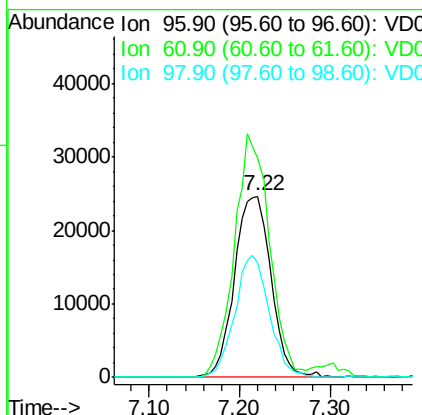
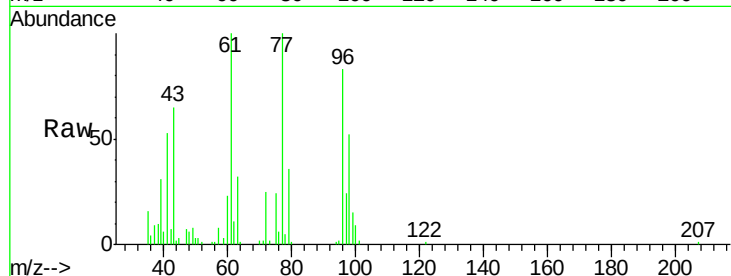
cis-1,2-Dichloroethene
Concen: 21.142 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.7	0.0	255.4
98	63.5	0.0	128.0

Manual Integrations
APPROVED

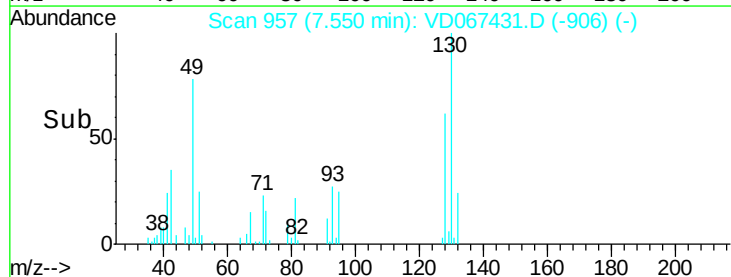
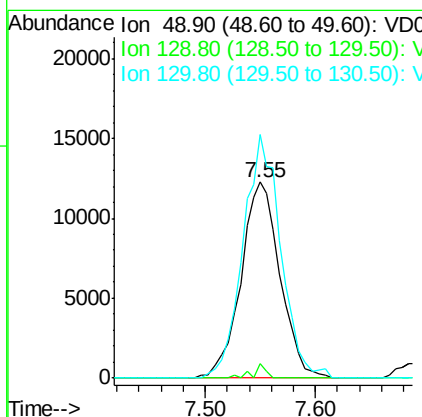
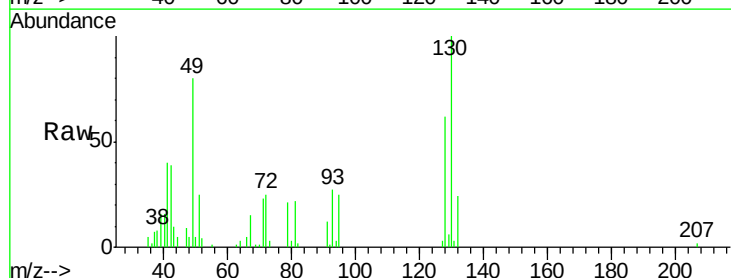
MMDadoda
10/29/2020 12:00:56 PM

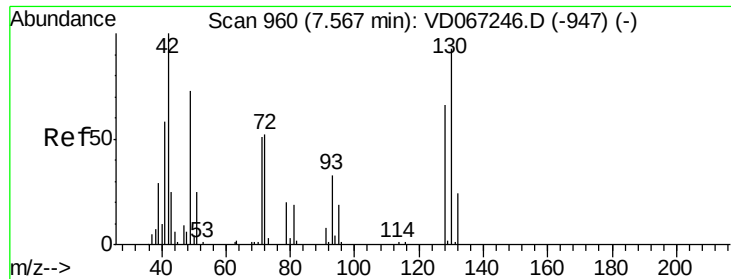


#28

Bromochloromethane
Concen: 19.213 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	1.6#
130	119.9	91.0	136.6





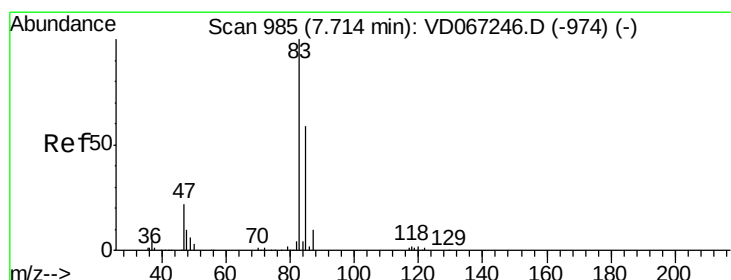
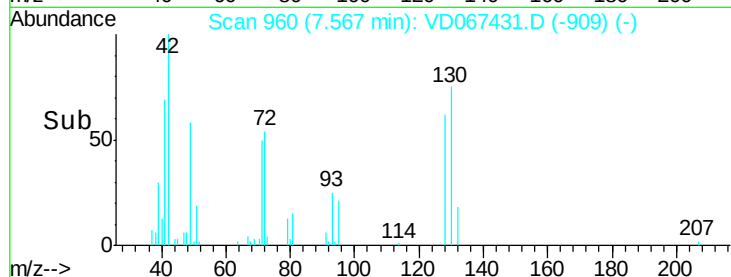
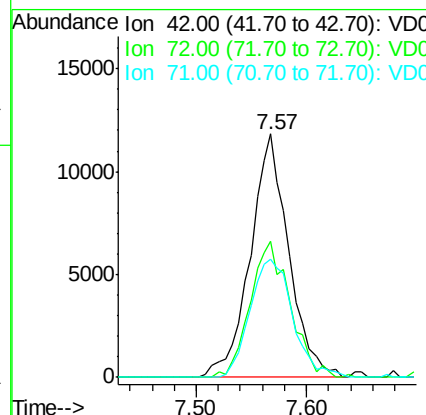
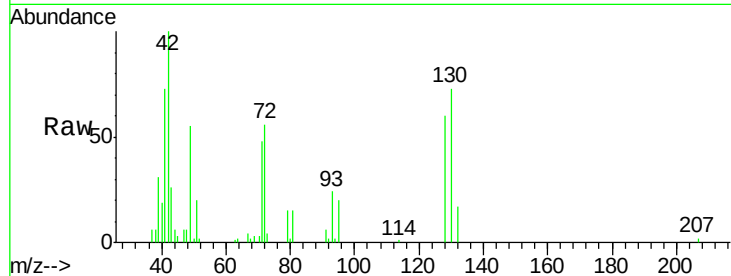
#29
Tetrahydrofuran
Concen: 103.382 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.0	43.2	64.8
71	53.8	39.4	59.0

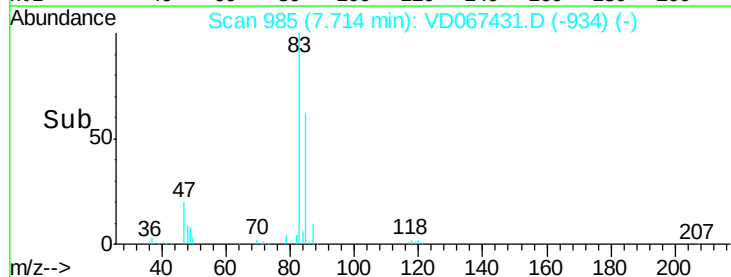
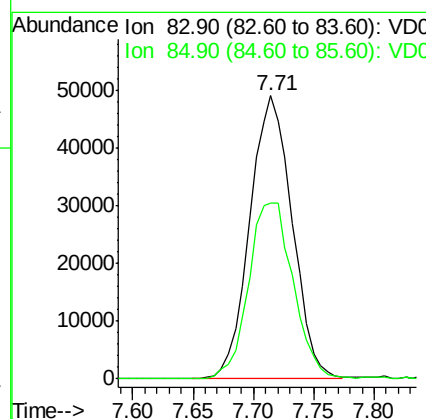
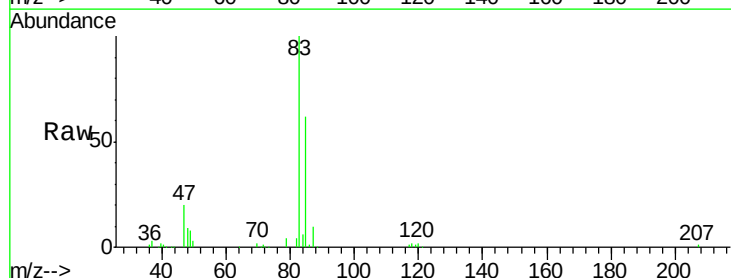
Manual Integrations
APPROVED

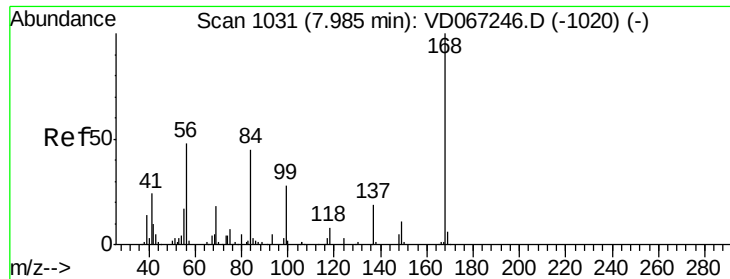
MMDadoda
10/29/2020 12:00:56 PM



#30
Chloroform
Concen: 21.591 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	47.3	70.9





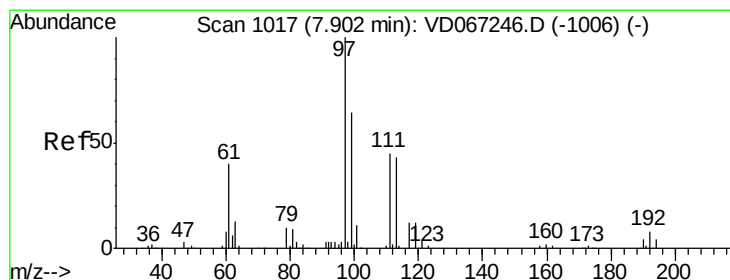
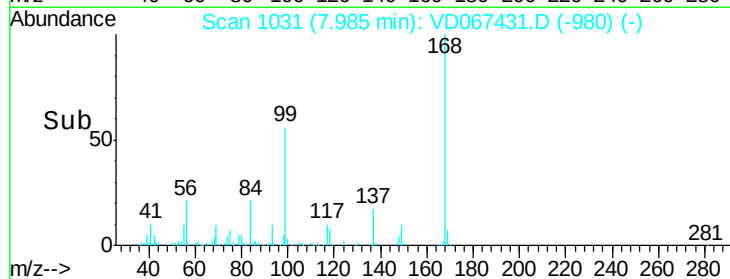
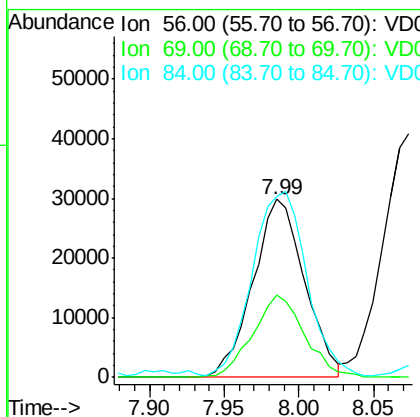
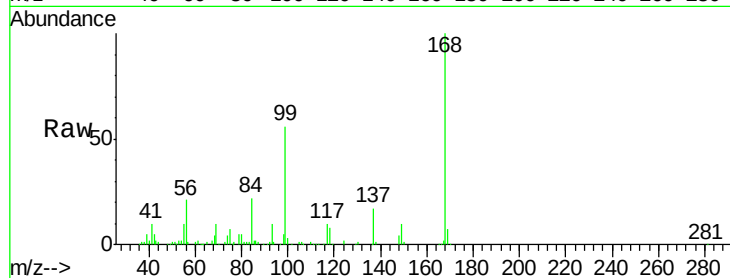
#31
Cyclohexane
Concen: 19.769 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	45.9	29.8	44.6#
84	97.7	76.6	114.8

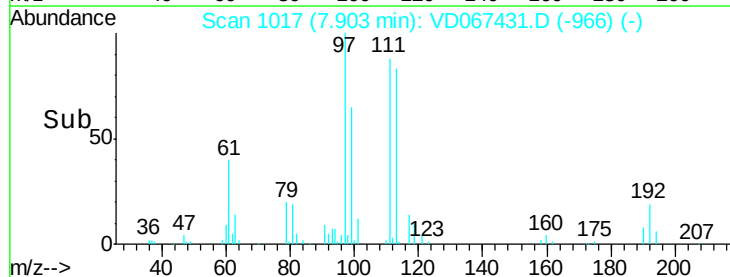
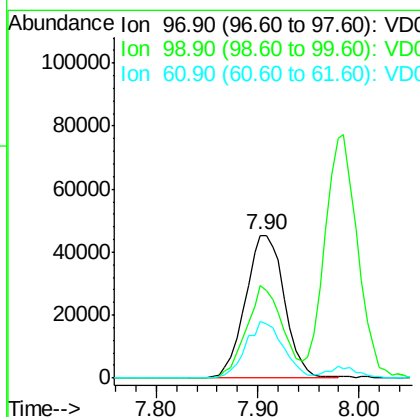
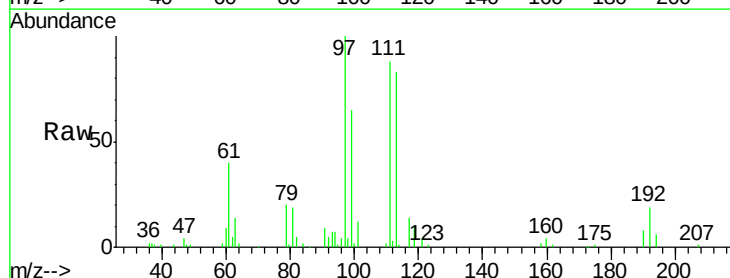
Manual Integrations
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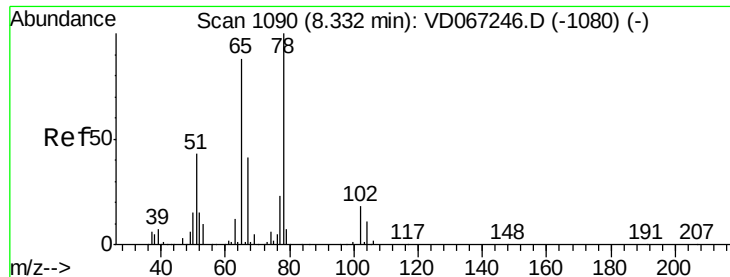
MMDadoda
10/29/2020 12:00:56 PM



#32
1,1,1-Trichloroethane
Concen: 22.309 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.6	50.2	75.4
61	38.3	30.5	45.7





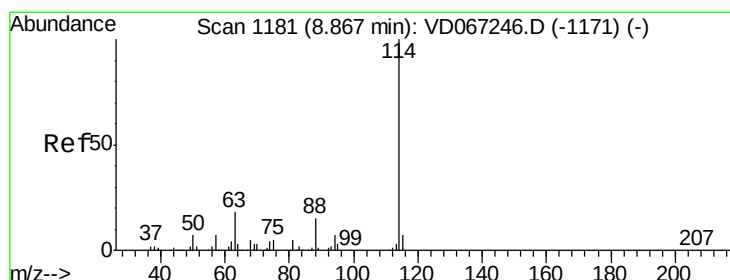
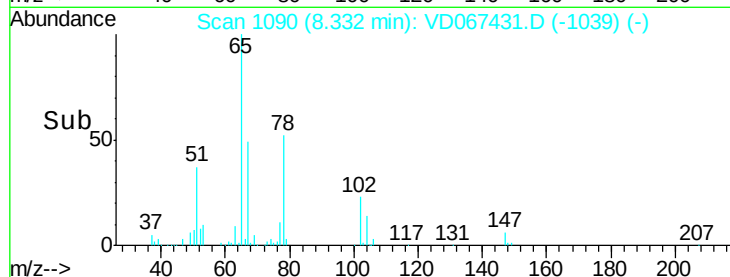
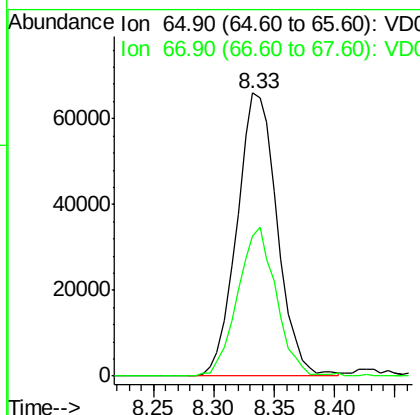
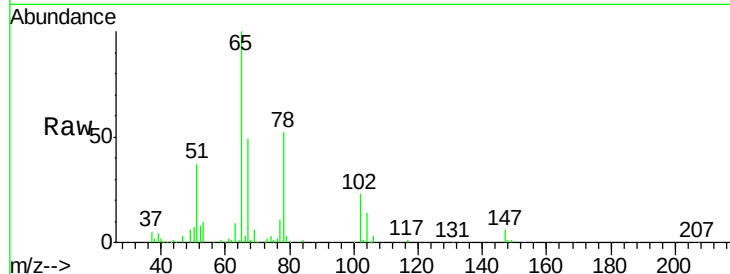
#33
 1,2-Dichloroethane-d4
 Concen: 48.543 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	152582		
67	50.3	0.0	103.8	

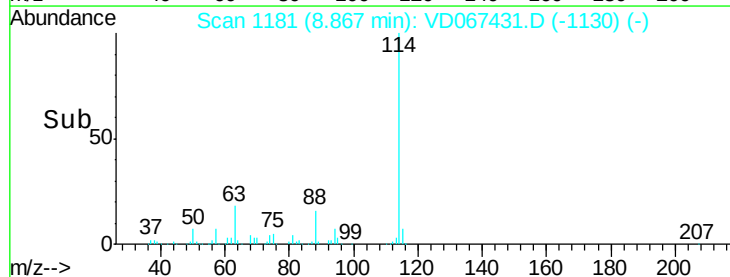
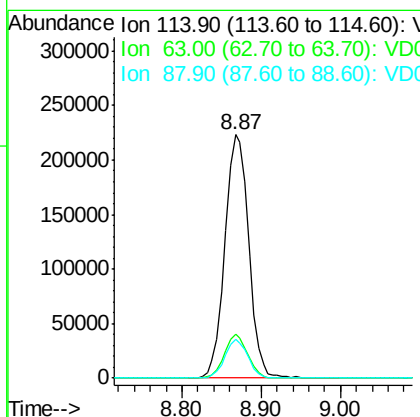
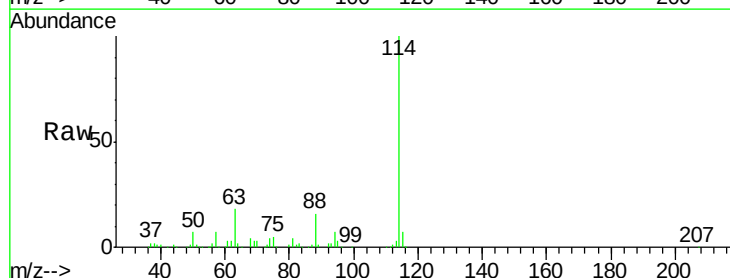
Manual Integrations
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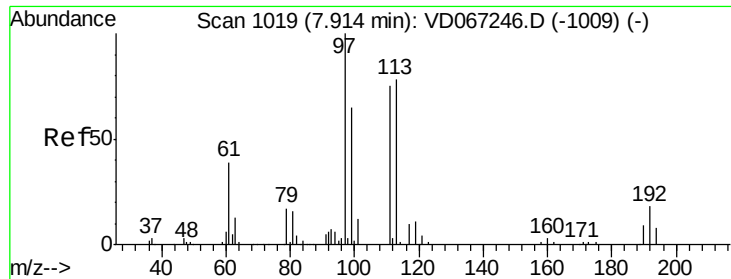
MMDadoda
 10/29/2020 12:00:56 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	464035		
63	18.0	0.0	35.0	
88	15.8	0.0	30.6	





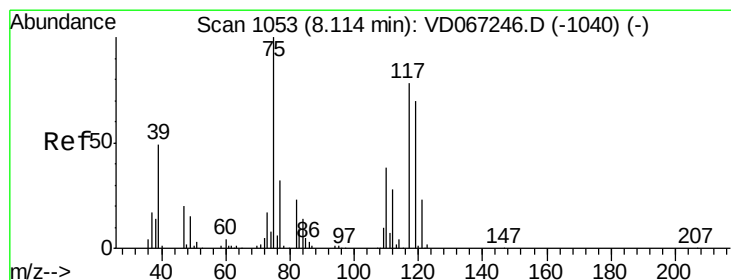
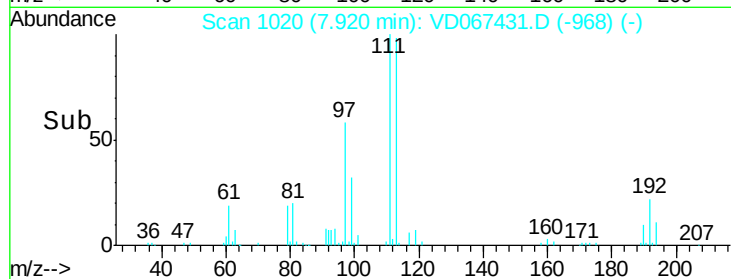
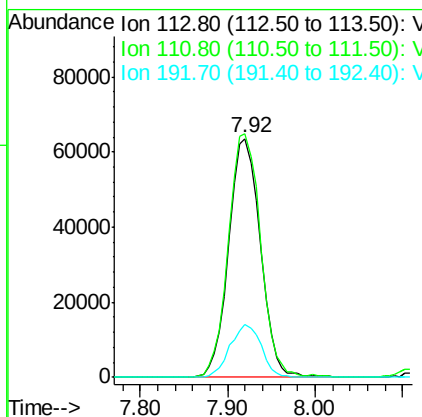
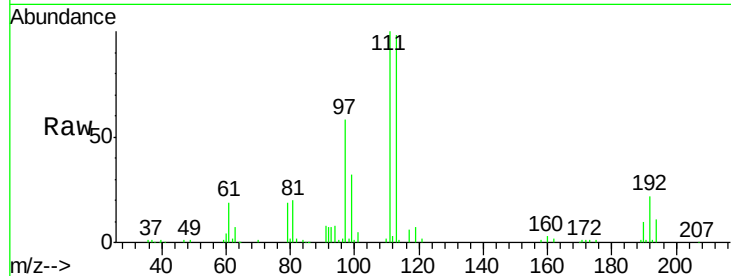
#35
Dibromofluoromethane
Concen: 50.472 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	155866		
111	103.6	81.6	122.4	
192	21.8	17.0	25.4	

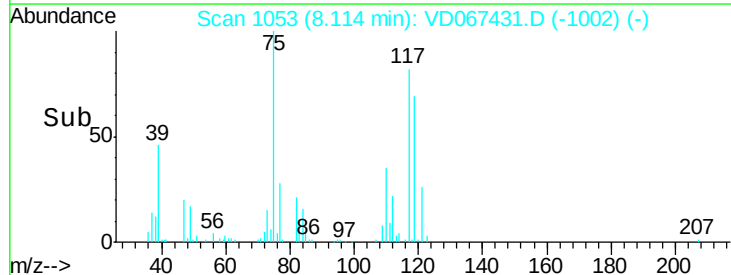
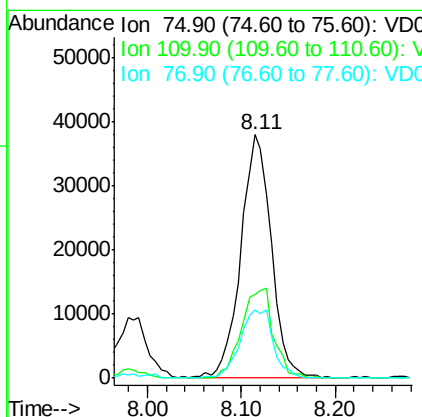
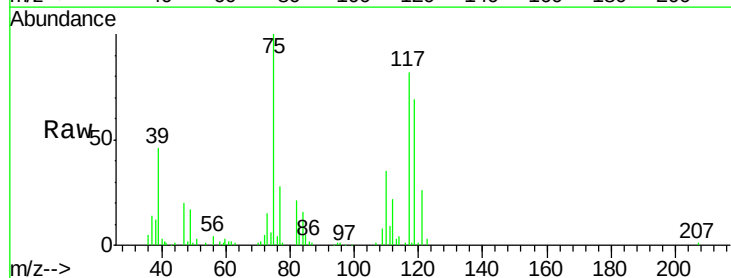
Manual Integrations
APPROVED

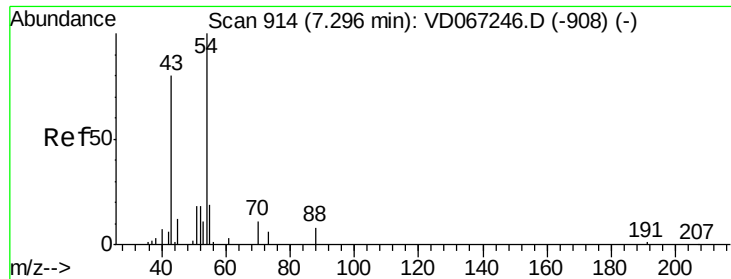
MMDadoda
10/29/2020 12:00:56 PM



#36
1,1-Dichloropropene
Concen: 21.708 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	85378		
110	38.7	19.6	58.7	
77	30.4	24.6	37.0	





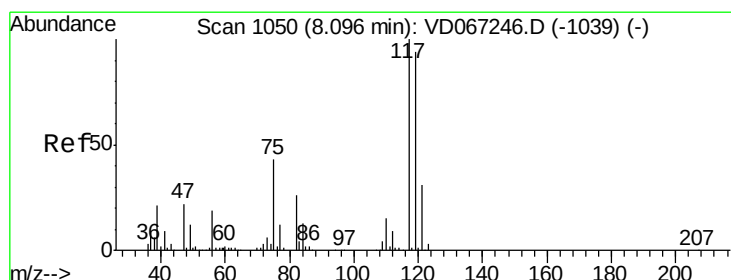
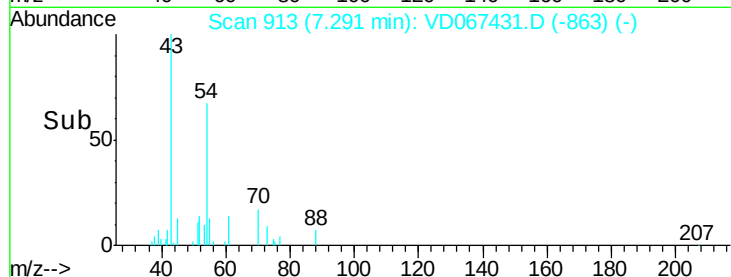
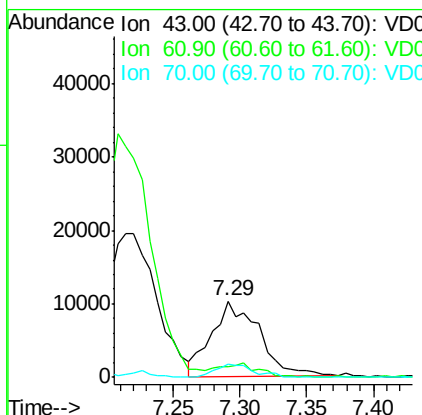
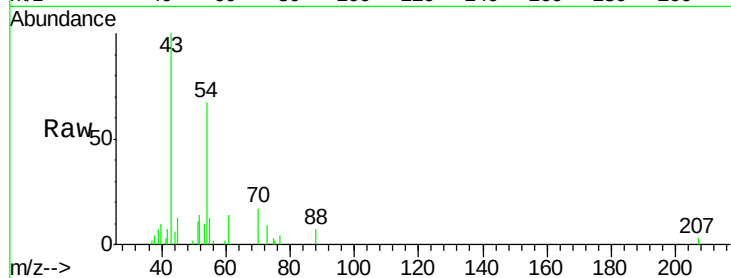
#37
Ethyl Acetate
Concen: 22.113 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.7	15.6	23.4
70	14.0	10.4	15.6

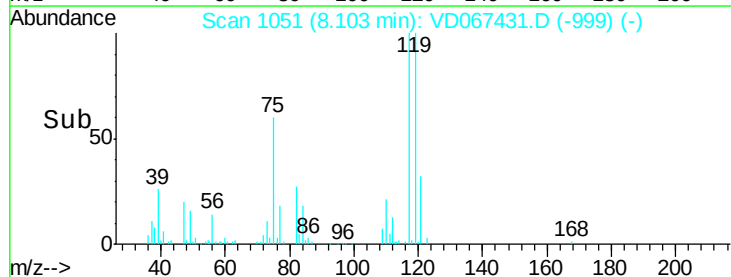
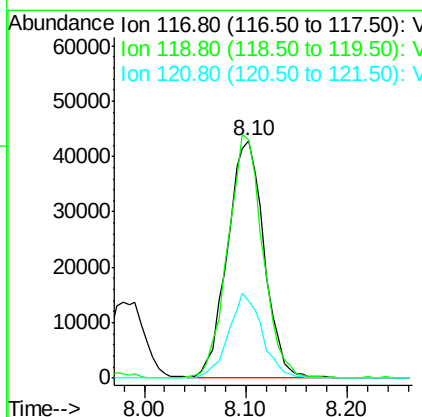
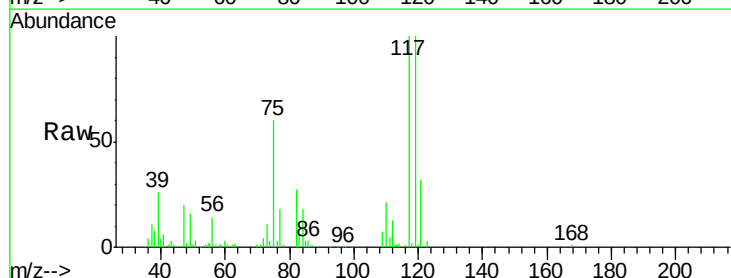
Manual Integrations
APPROVED

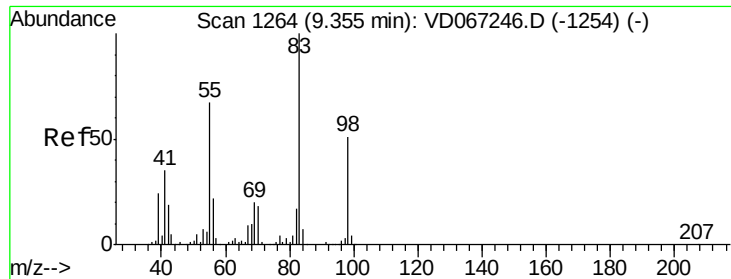
MMDadoda
10/29/2020 12:00:56 PM



#38
Carbon Tetrachloride
Concen: 21.437 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.3	75.0	112.4
121	32.3	24.9	37.3





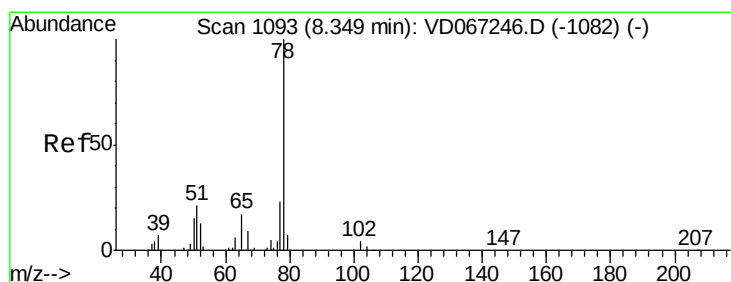
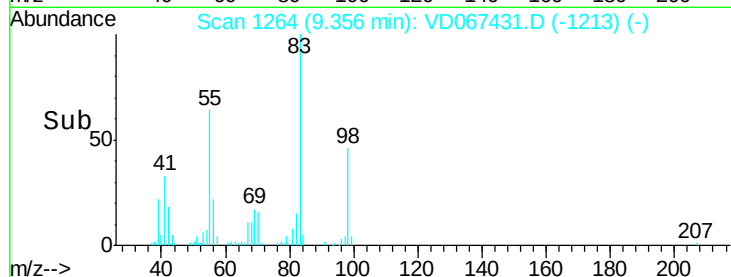
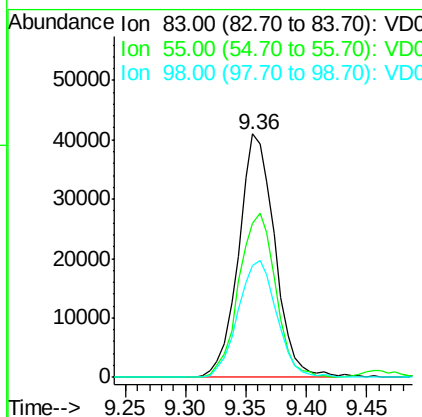
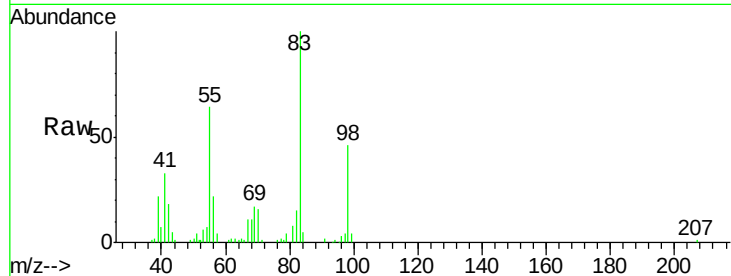
#39
Methylvlcyclohexane
Concen: 20.811 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.5	53.3	79.9
98	46.1	41.0	61.4

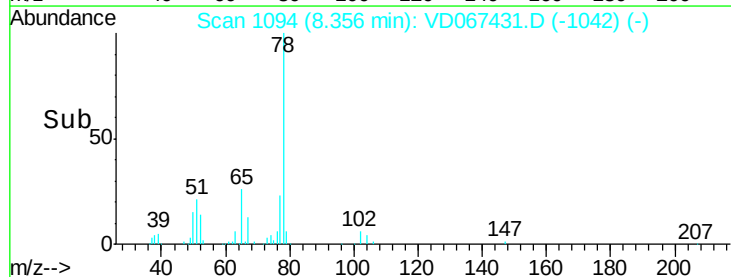
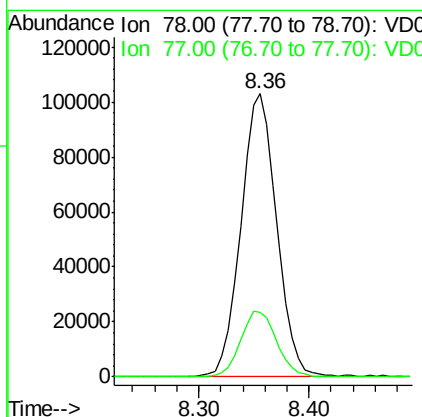
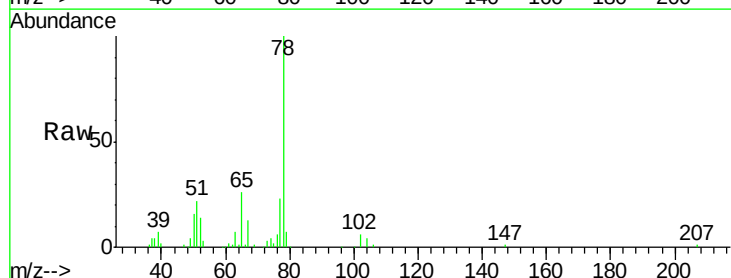
Manual Integrations
APPROVED

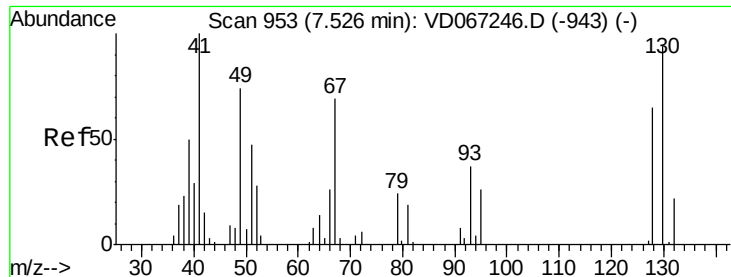
MMDadoda
10/29/2020 12:00:56 PM



#40
Benzene
Concen: 21.686 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.3	27.5





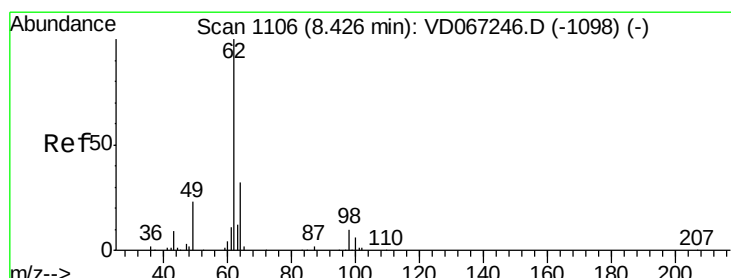
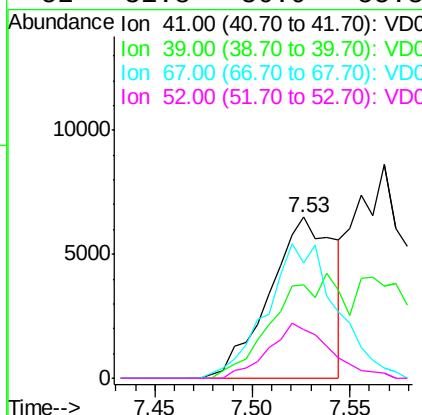
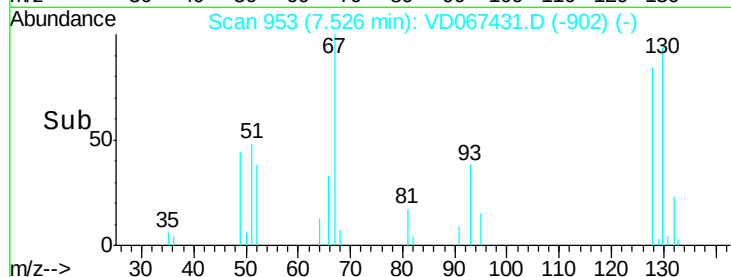
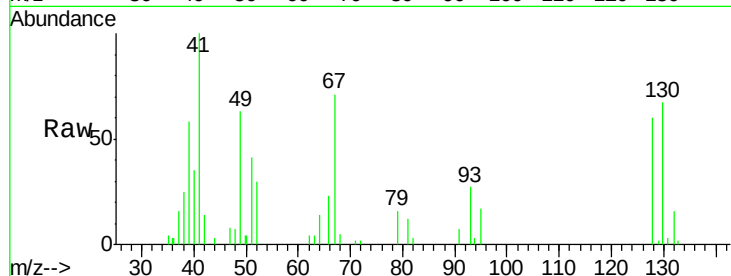
#41
Methacrylonitrile
Concen: 24.041 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.0	60.0	90.0#
67	89.7	88.9	133.3
52	31.8	36.9	55.3#

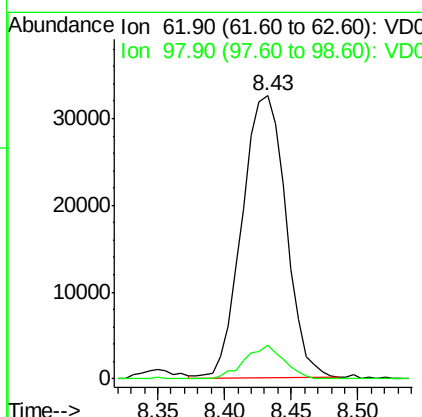
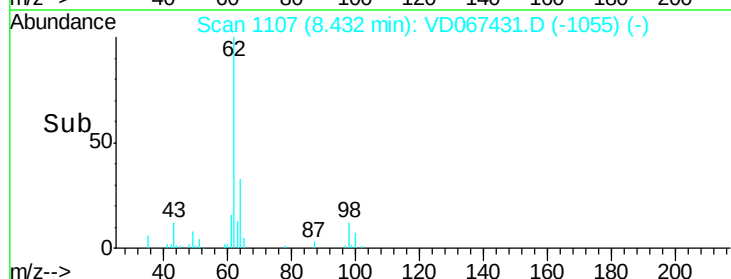
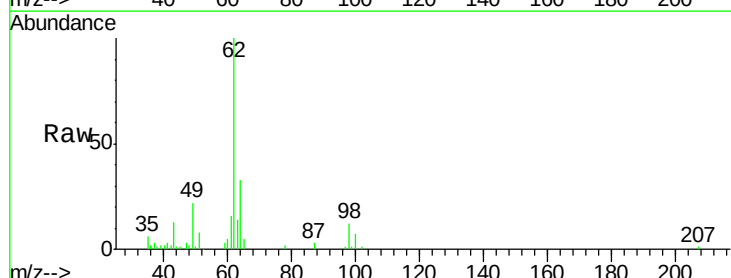
Manual Integrations
APPROVED

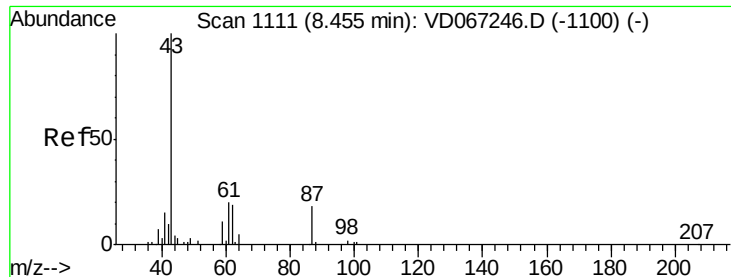
MMDadoda
10/29/2020 12:00:56 PM



#42
1,2-Dichloroethane
Concen: 21.927 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.4





#43

Isopropyl Acetate

Concen: 21.212 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

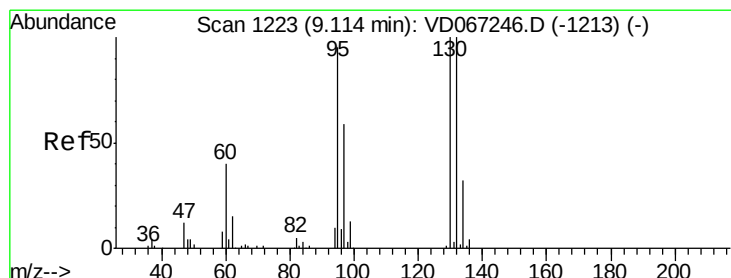
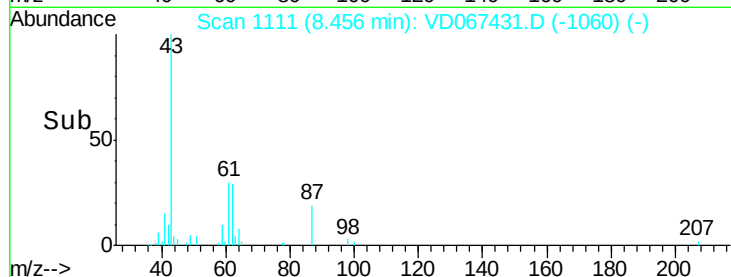
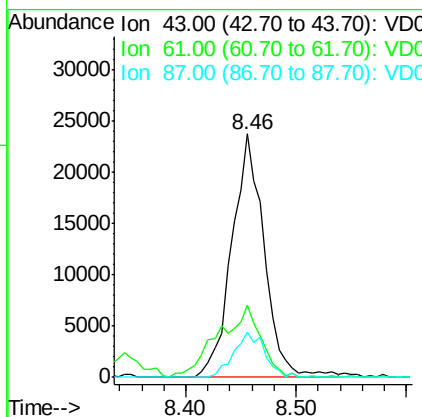
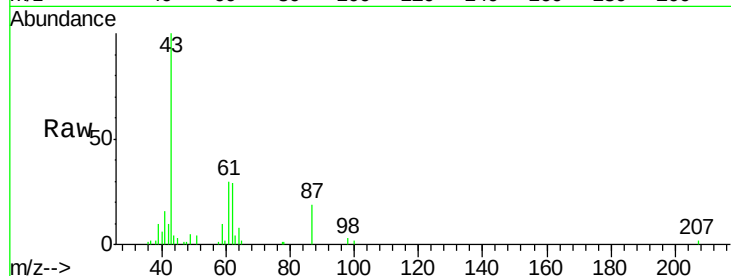
ClientSampleId :

VD1028SBS01

Tot Ion:	43	Resp:	48706
Ion	Ratio	Lower	Upper
43	100		
61	38.9	29.5	44.3
87	17.8	14.2	21.4

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#44

Trichloroethene

Concen: 20.936 ug/l

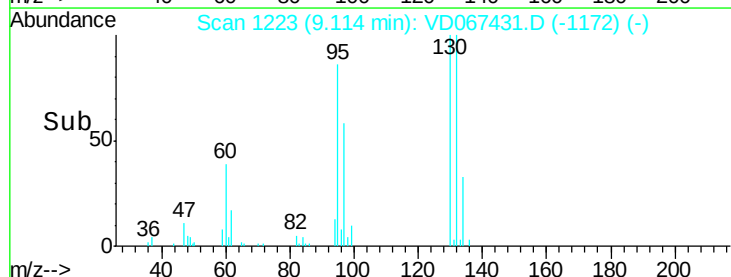
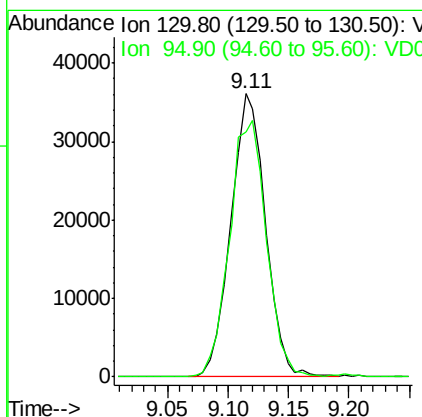
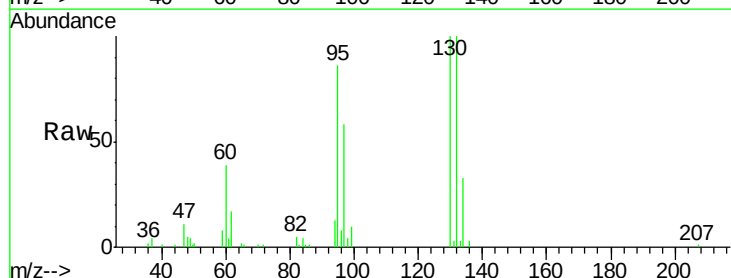
RT: 9.11 min Scan# 1223

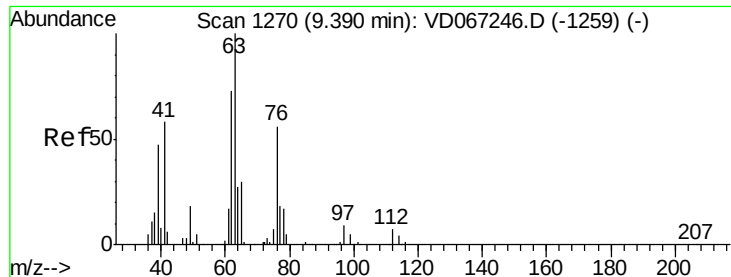
Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Tgt Ion:	130	Resp:	72325
Ion	Ratio	Lower	Upper
130	100		
95	86.3	0.0	190.6





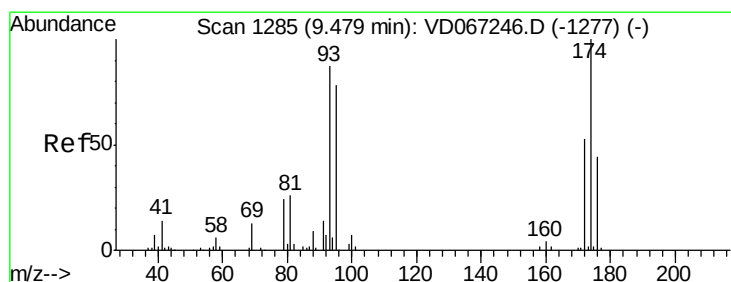
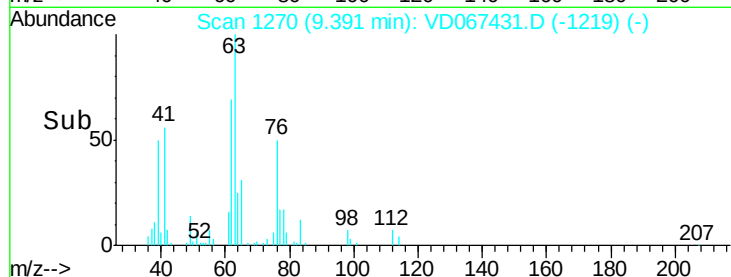
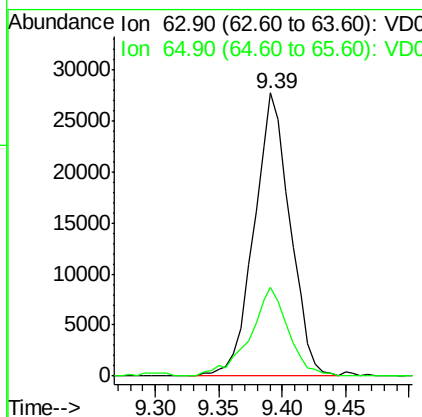
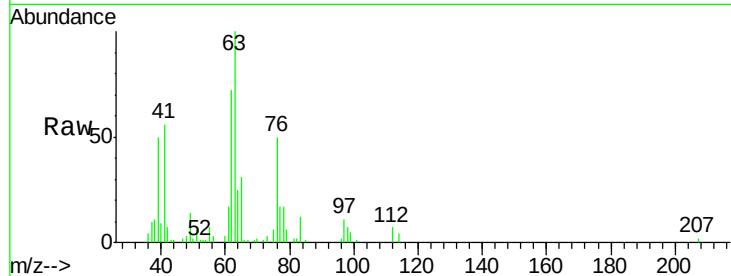
#45
 1,2-Dichloropropane
 Concen: 21.925 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.6	36.8

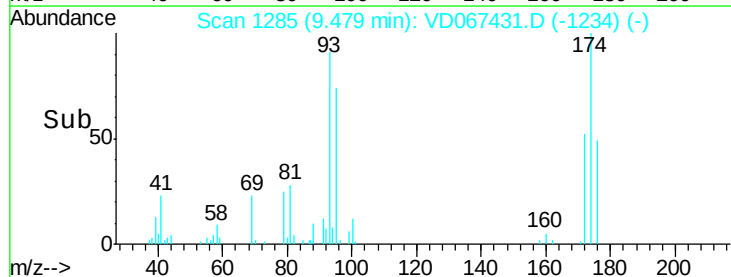
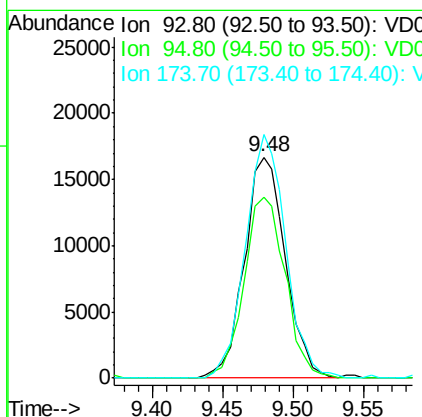
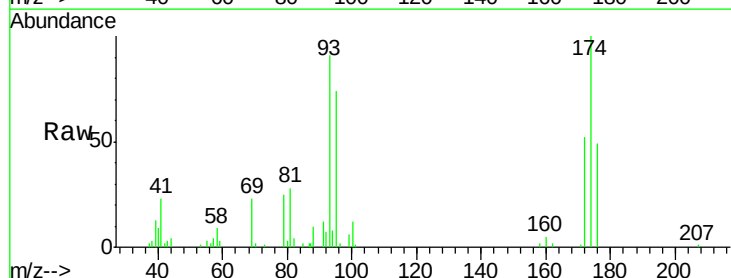
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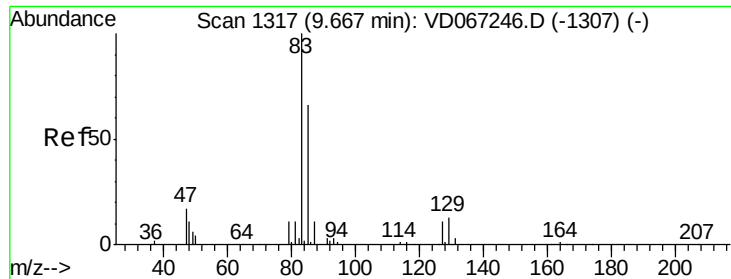
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 10/29/2020 12:00:56 PM



#46
 Dibromomethane
 Concen: 21.794 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	68.0	102.0
174	108.5	91.8	137.6





#47

Bromodichloromethane

Concen: 21.565 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

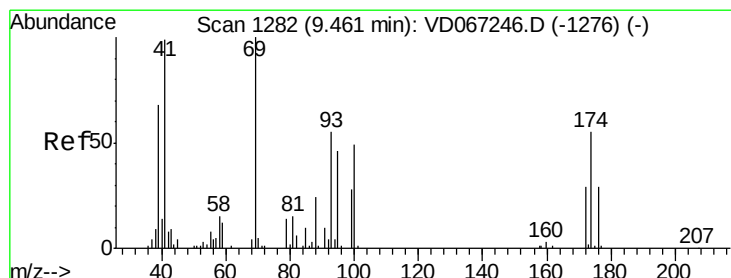
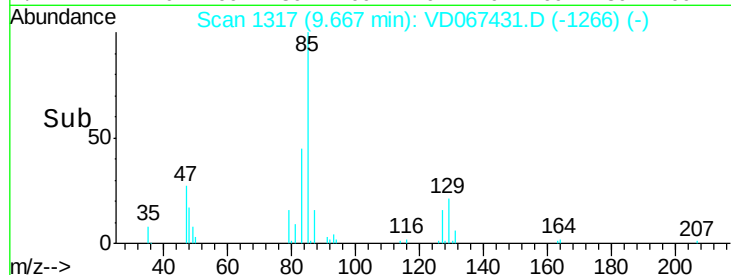
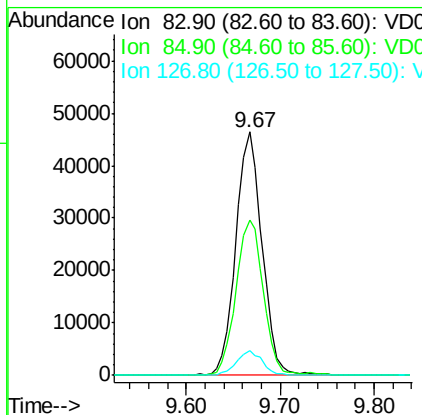
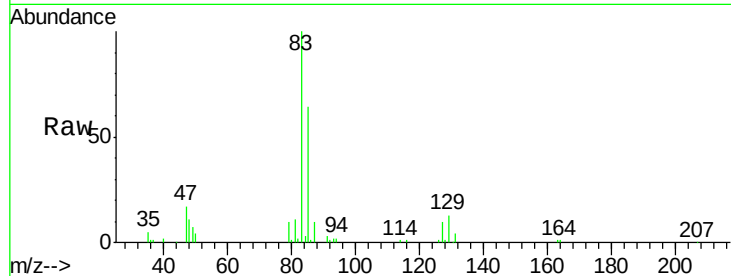
ClientSampleId :

VD1028SBS01

Tot Ion:	83	Resp:	90019
Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.1	79.7
127	10.0	8.6	13.0

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#48

Methyl methacrylate

Concen: 20.446 ug/l

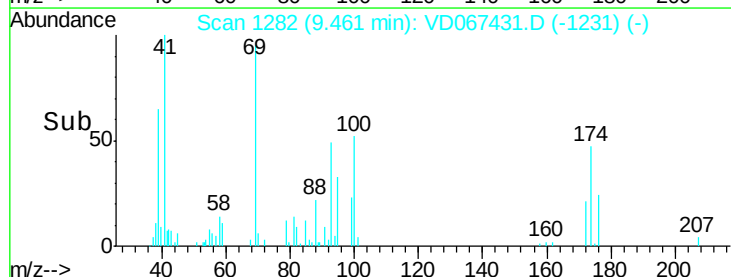
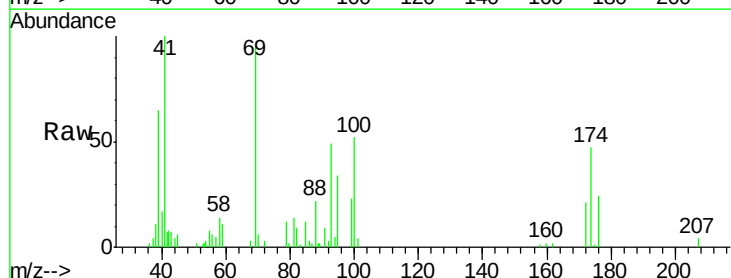
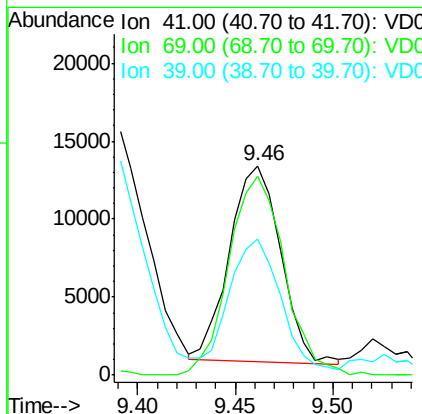
RT: 9.46 min Scan# 1282

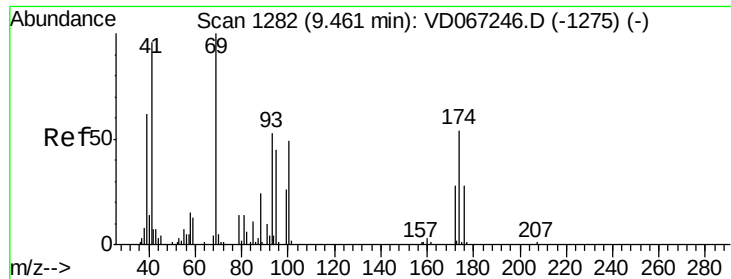
Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Tgt Ion:	41	Resp:	22814
Ion	Ratio	Lower	Upper
41	100		
69	110.6	89.0	133.6
39	73.6	60.2	90.2





#49

1,4-Dioxane

Concen: 431.488 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 88 Resp: 6766

Ion Ratio Lower Upper

88 100

43 32.7 23.9 35.9

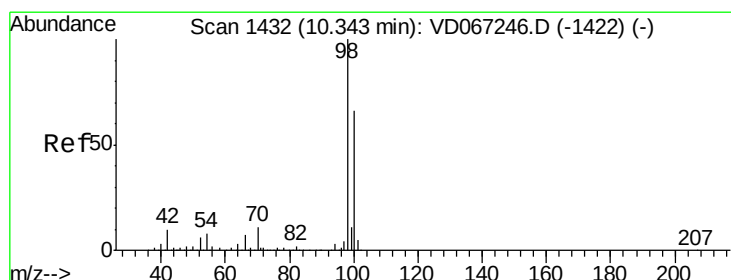
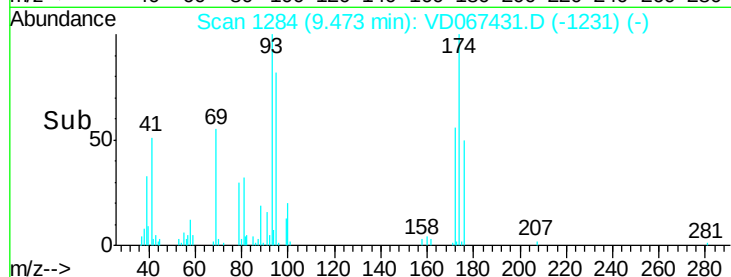
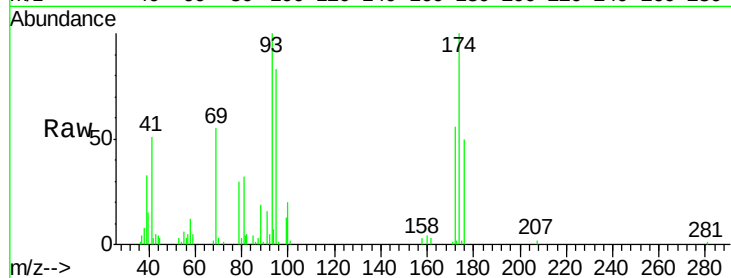
58 66.1 51.0 76.6

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#50

Toluene-d8

Concen: 51.359 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067431.D

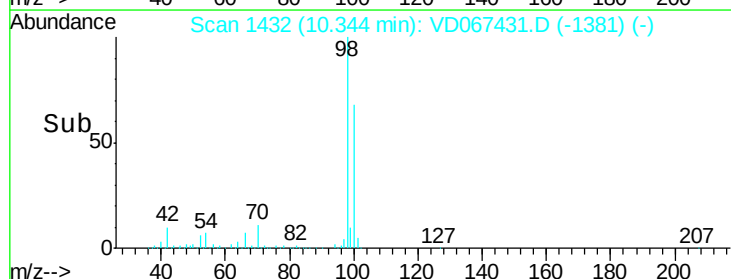
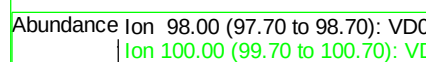
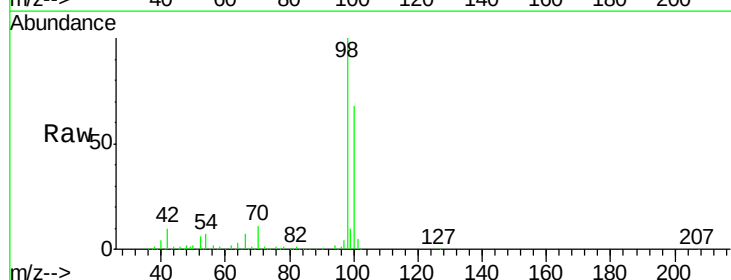
Acq: 28 Oct 2020 13:58

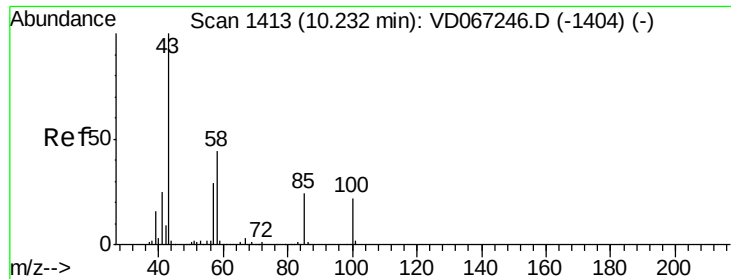
Tgt Ion: 98 Resp: 573975

Ion Ratio Lower Upper

98 100

100 67.2 53.1 79.7





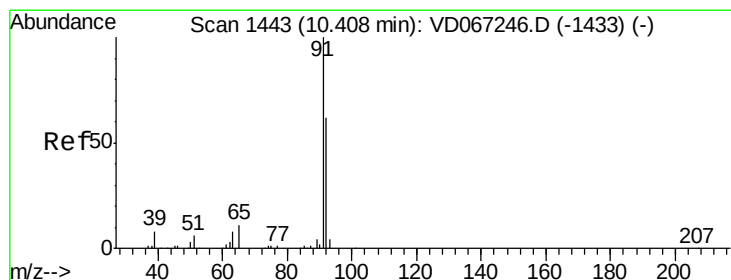
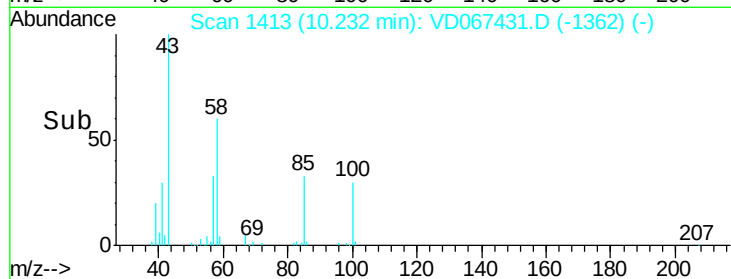
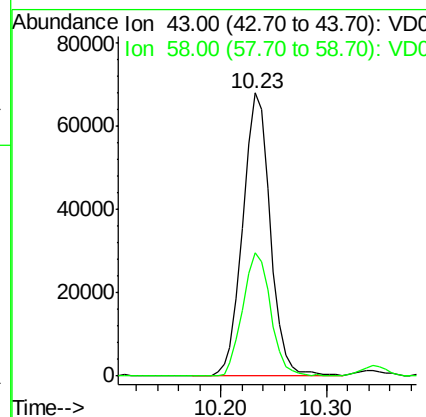
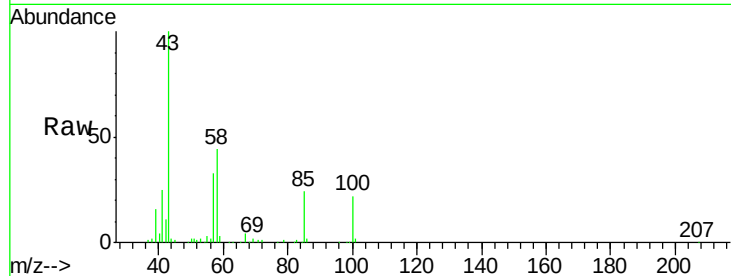
#51
 4-Methyl-2-Pentanone
 Concen: 107.314 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.3	35.7	53.5

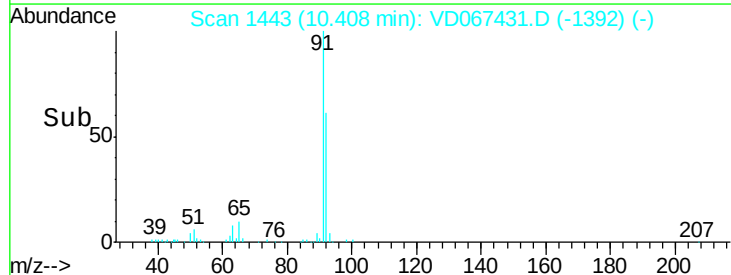
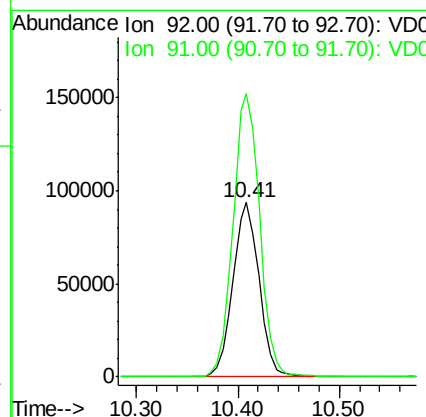
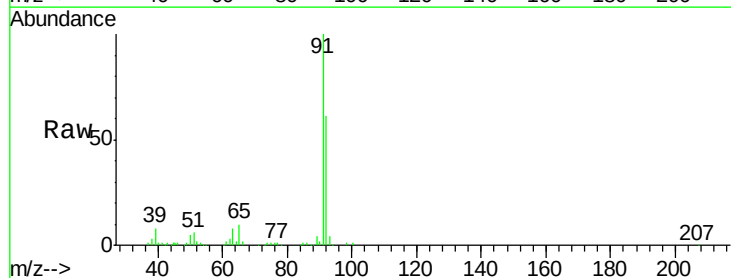
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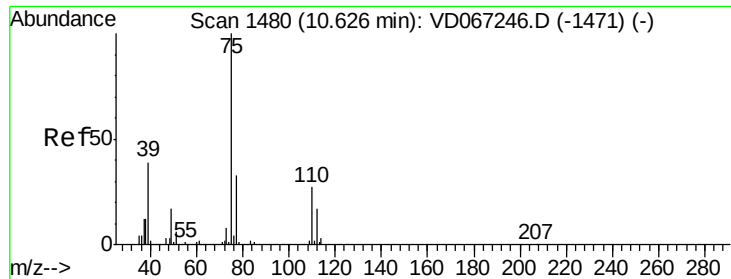
MMDadoda
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#52
 Toluene
 Concen: 22.863 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	165.2	133.8	200.8





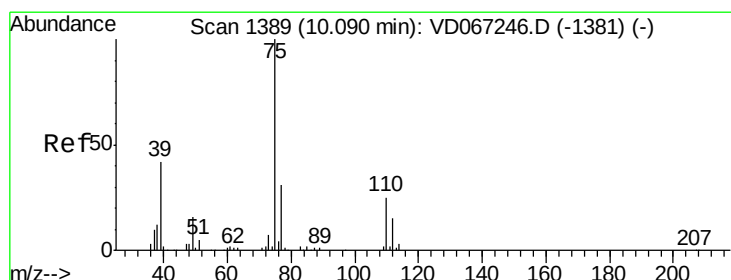
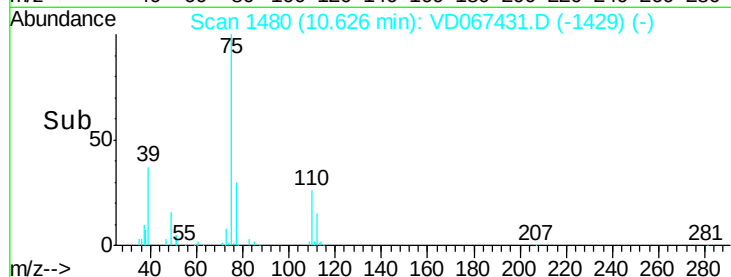
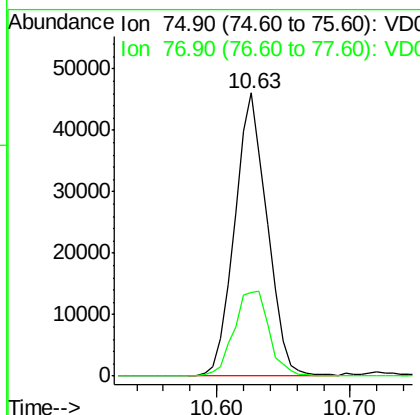
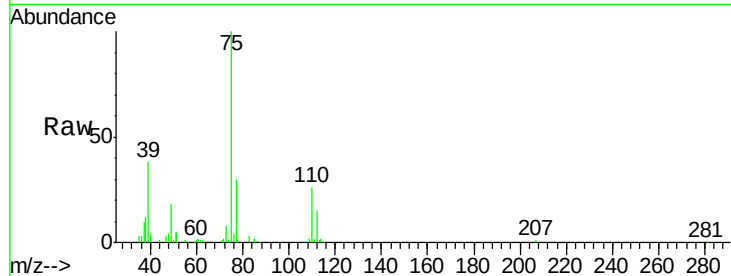
#53
t-1,3-Dichloropropene
Concen: 21.213 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

Tot Ion	75	Resp	77784
Ion	Ratio	Lower	Upper
75	100		
77	29.7	26.5	39.7

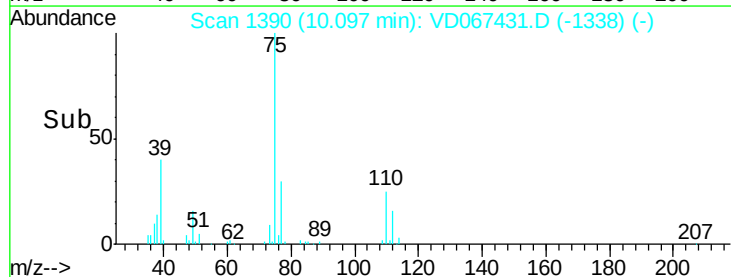
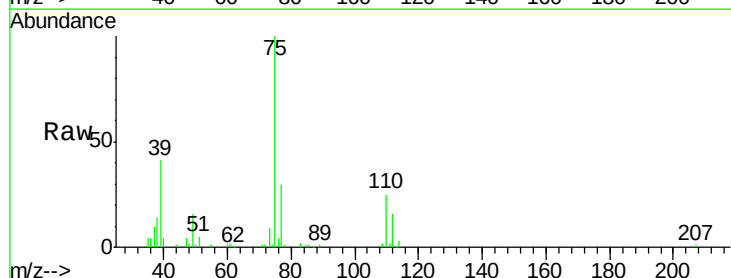
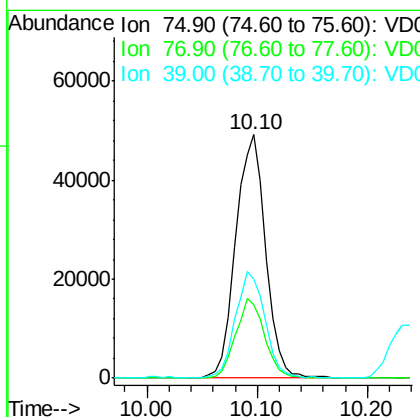
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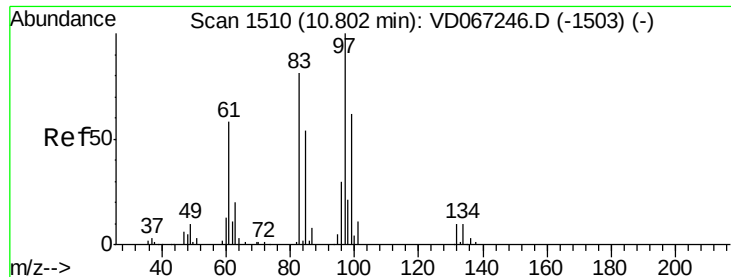
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#54
cis-1,3-Dichloropropene
Concen: 21.772 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	75	Resp	93433
Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.5	36.7
39	40.8	33.7	50.5





#55

1,1,2-Trichloroethane

Concen: 22.806 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

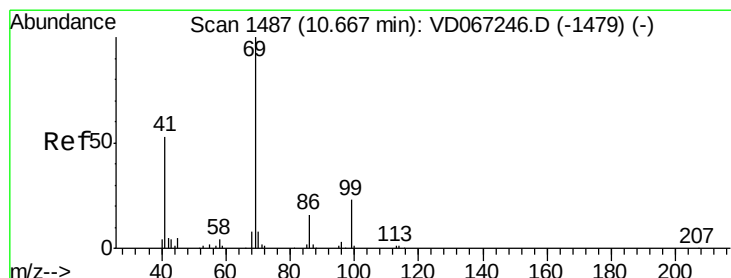
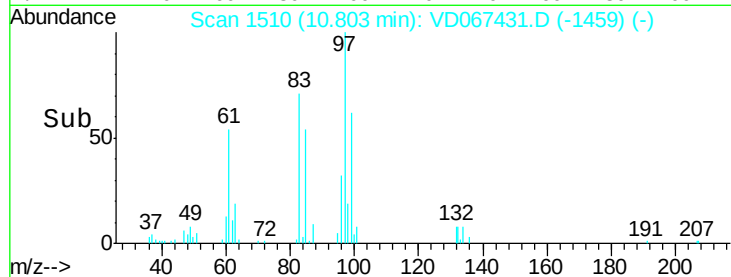
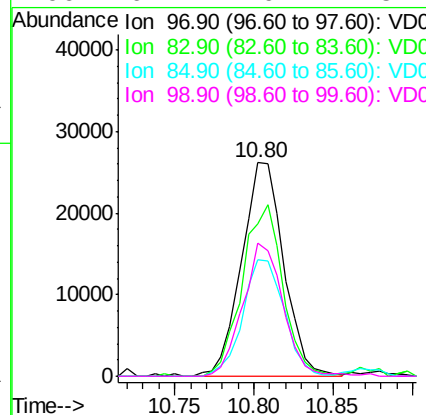
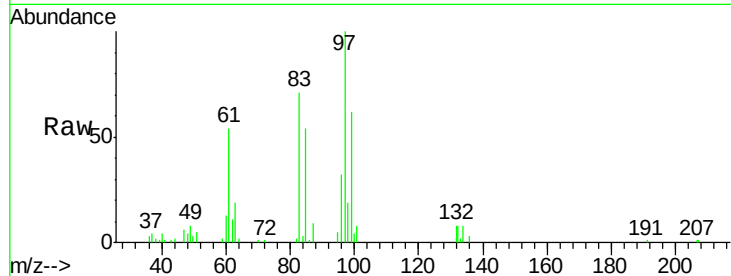
ClientSampleId :

VD1028SBS01

Tot Ion:	97	Resp:	48453
Ion	Ratio	Lower	Upper
97	100		
83	71.5	64.9	97.3
85	54.3	43.3	64.9
99	62.4	49.1	73.7

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#56

Ethyl methacrylate

Concen: 21.304 ug/l

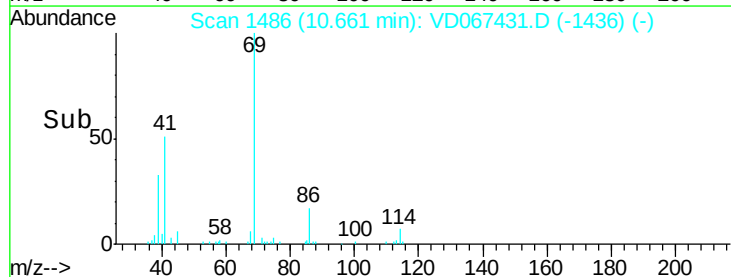
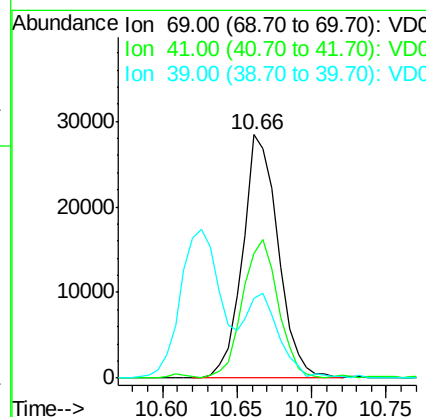
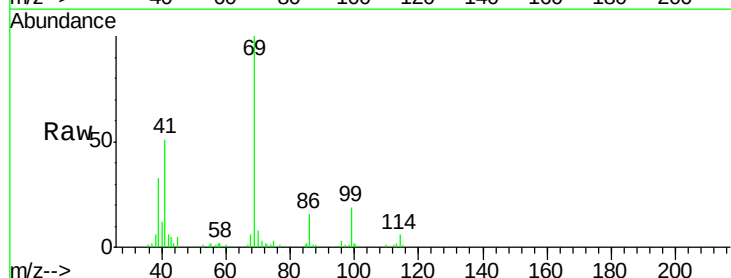
RT: 10.66 min Scan# 1486

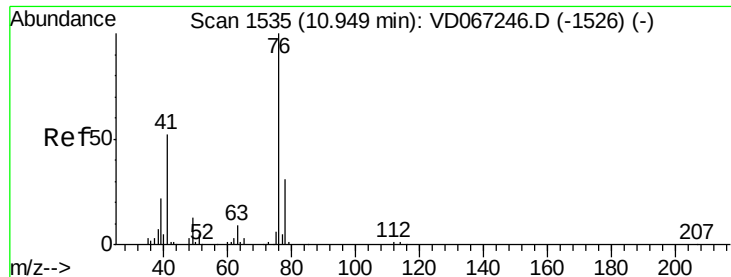
Delta R.T. -0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Tgt Ion:	69	Resp:	46941
Ion	Ratio	Lower	Upper
69	100		
41	57.2	44.7	67.1
39	32.4	26.2	39.2





#57

1,3-Dichloropropane

Concen: 22.048 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBSD01

Tot Ion: 76 Resp: 74546

Ion Ratio Lower Upper

76 100

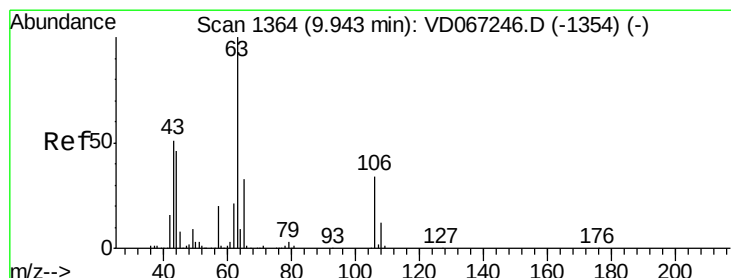
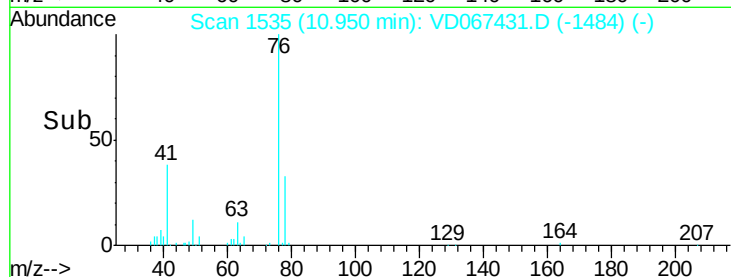
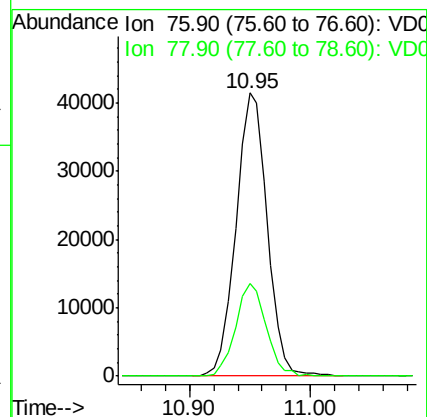
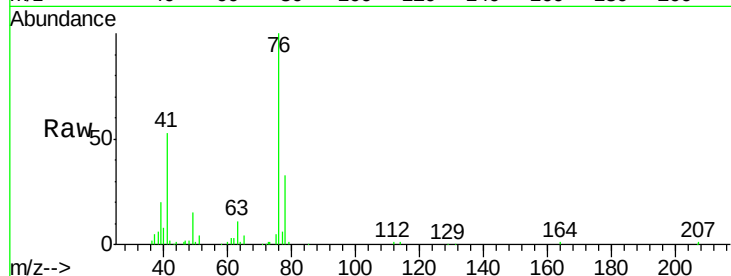
78 32.0 26.8 40.2

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#58

2-Chloroethyl Vinyl ether

Concen: 103.659 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD067431.D

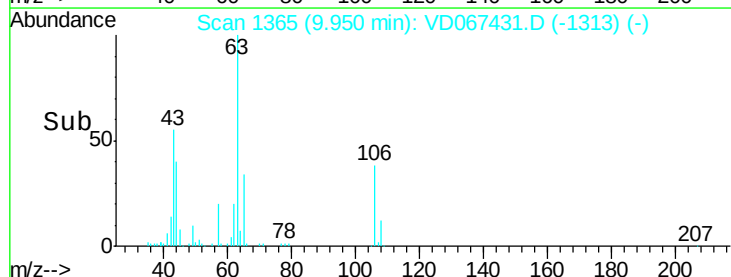
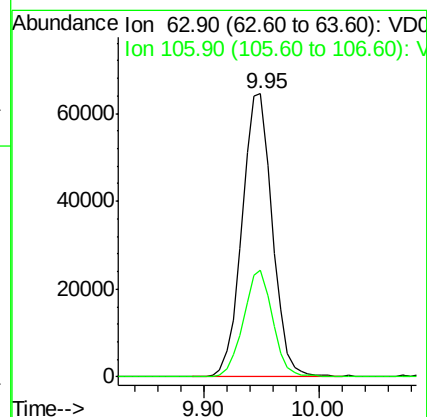
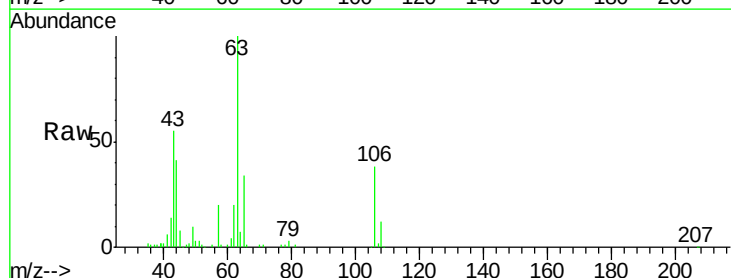
Acq: 28 Oct 2020 13:58

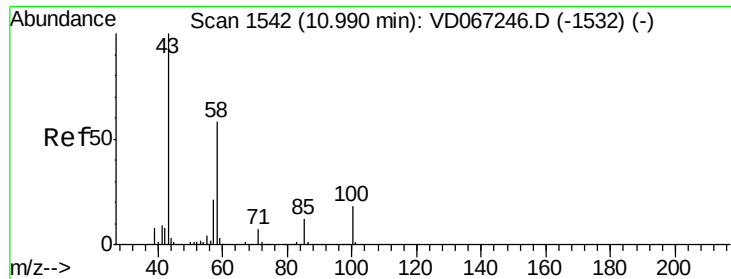
Tgt Ion: 63 Resp: 117170

Ion Ratio Lower Upper

63 100

106 36.3 27.8 41.6





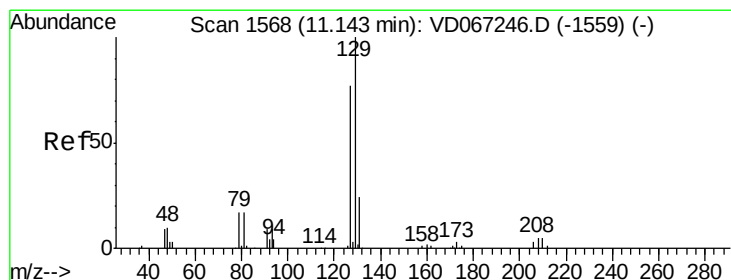
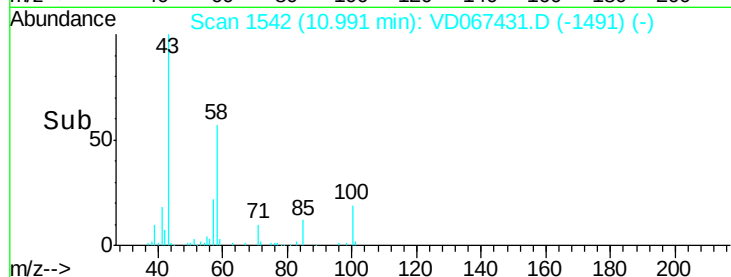
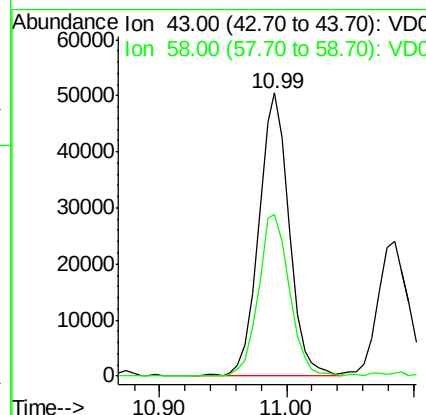
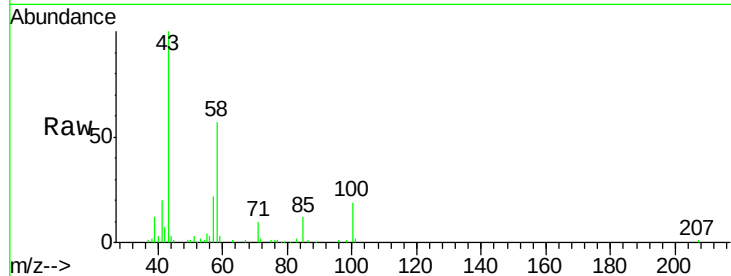
#59
2-Hexanone
Concen: 107.501 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.0	29.3	87.9

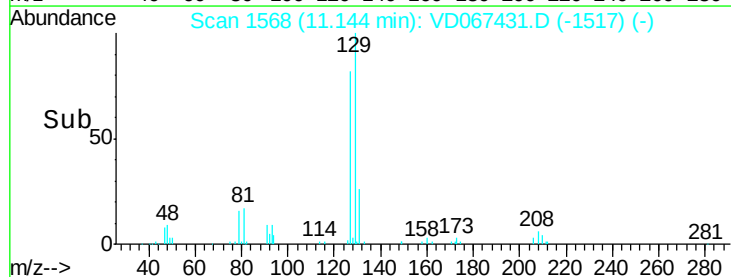
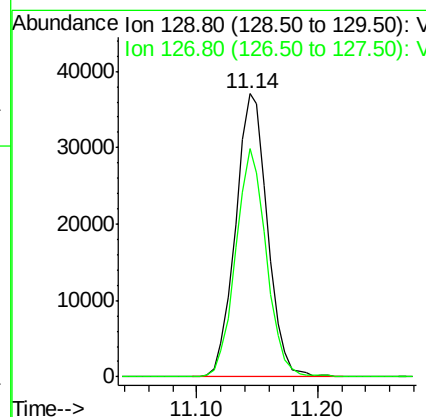
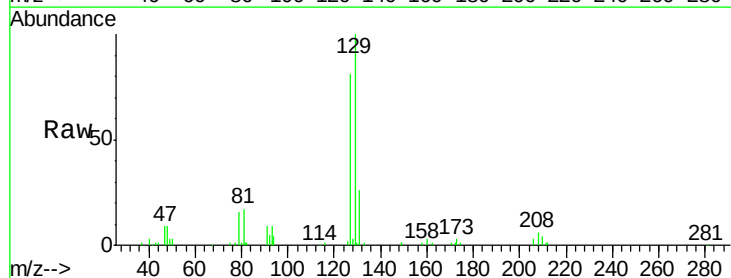
Manual Integrations
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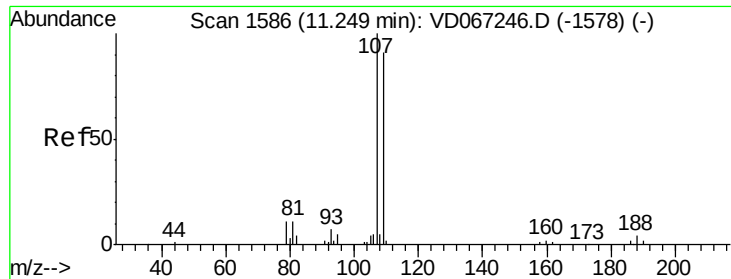
MMDadoda
10/29/2020 12:00:56 PM



#60
Dibromochloromethane
Concen: 22.007 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.3	114.8





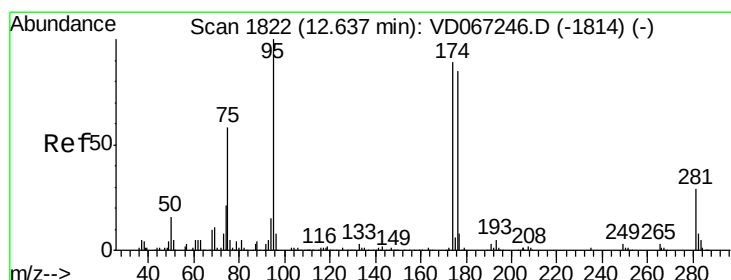
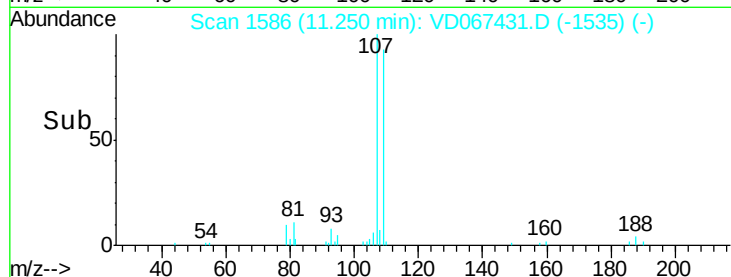
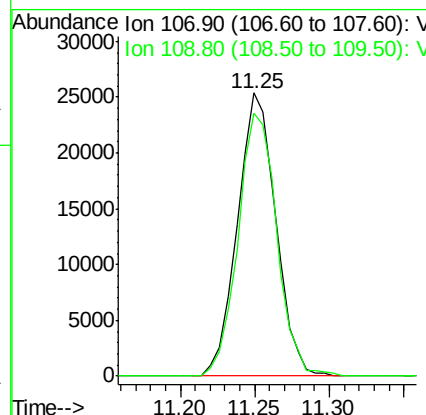
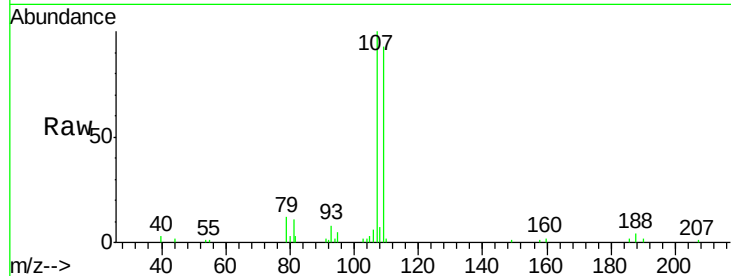
#61
 1,2-Dibromoethane
 Concen: 21.599 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBSD01

Tot Ion: 107 Resp: 45240
 Ion Ratio Lower Upper
 107 100
 109 93.9 74.6 112.0

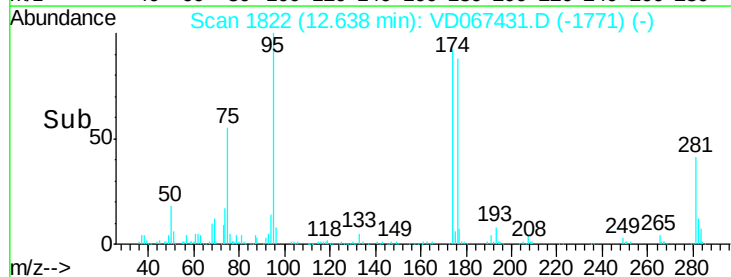
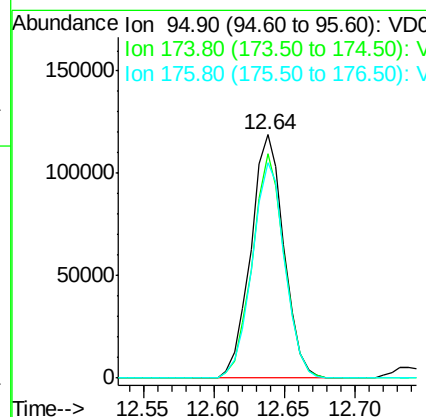
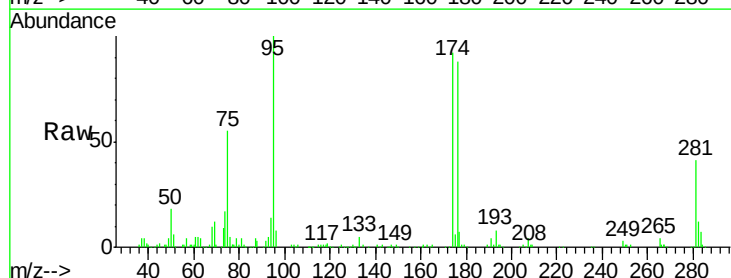
Manual Integrations
 APPROVED

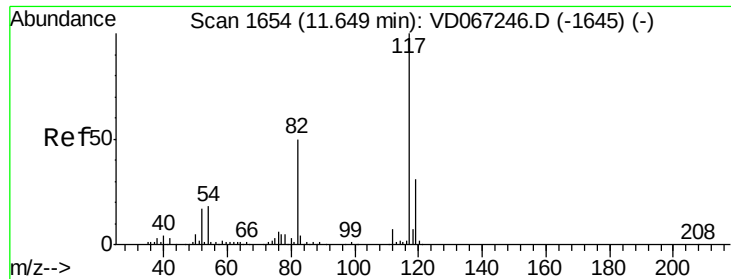
MMDadoda
 10/29/2020 12:00:56 PM



#62
 4-Bromofluorobenzene
 Concen: 50.502 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion: 95 Resp: 196254
 Ion Ratio Lower Upper
 95 100
 174 88.6 0.0 175.2
 176 86.9 0.0 168.6





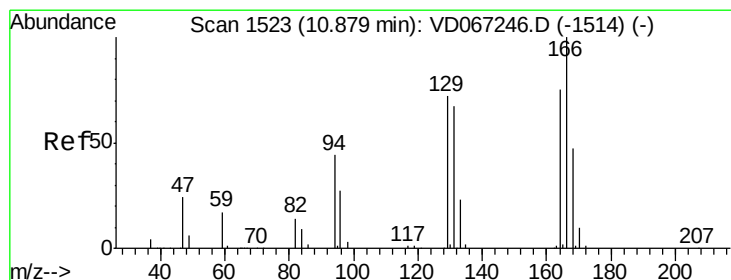
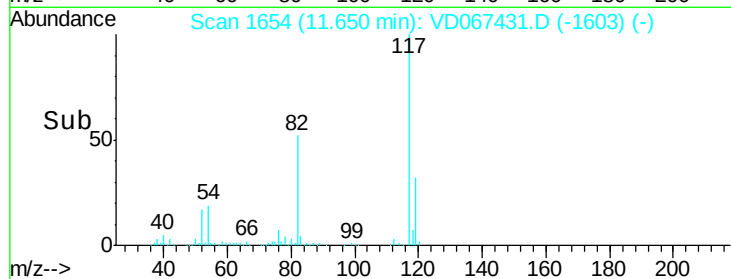
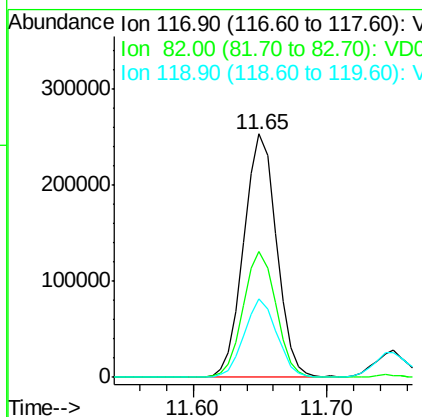
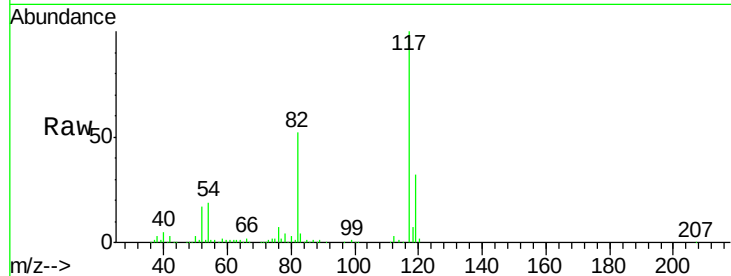
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.6	39.9	59.9
119	32.5	24.9	37.3

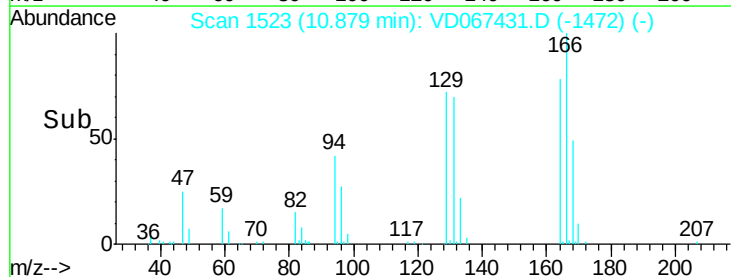
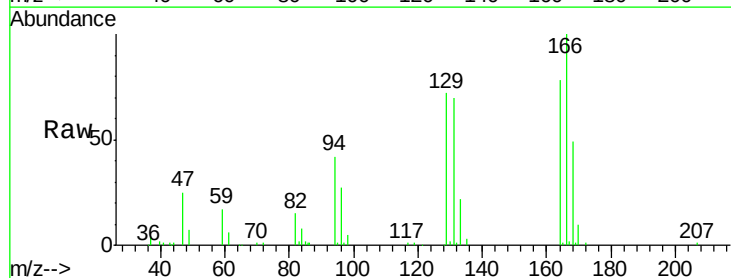
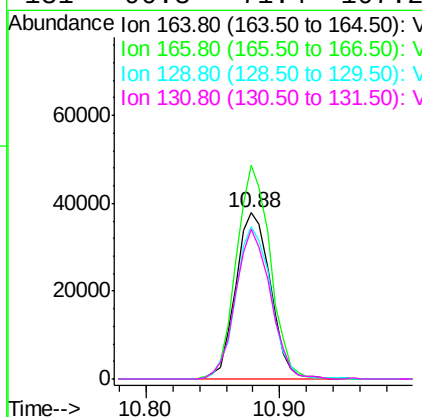
Manual Integrations
APPROVED

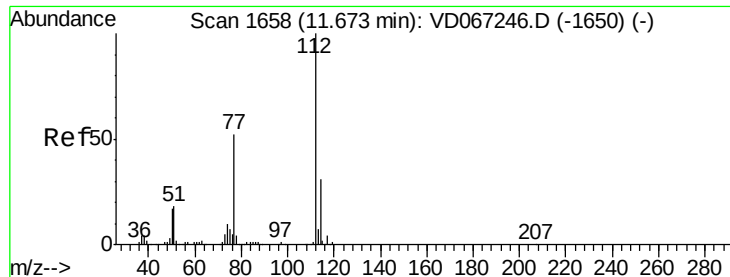
MMDadoda
10/29/2020 12:00:56 PM



#64
Tetrachloroethene
Concen: 21.822 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	107.3	160.9
129	92.0	77.3	115.9
131	90.3	71.4	107.2





#65

Chlorobenzene

Concen: 22.065 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBSD01

Tot Ion:112 Resp: 182972

Ion Ratio Lower Upper

112 100

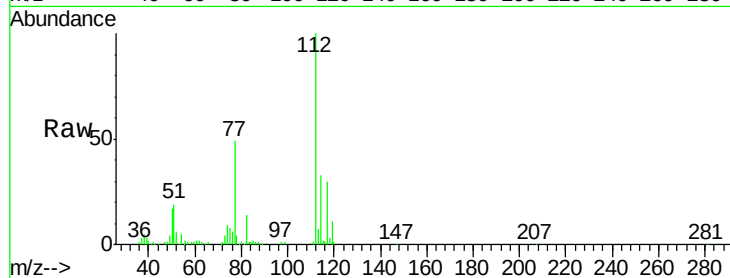
114 33.1 25.0 37.4

Manual Integrations

APPROVED

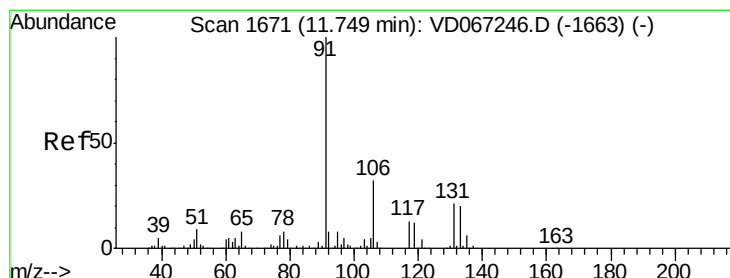
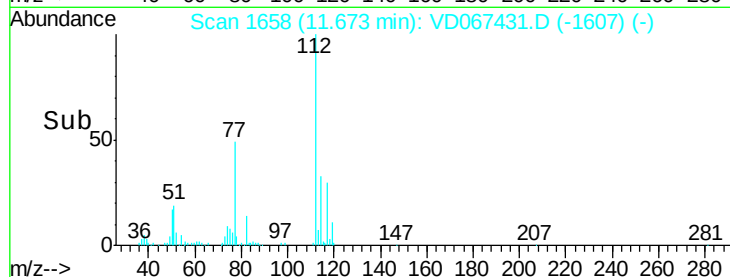
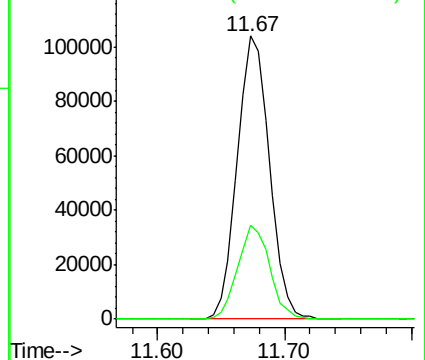
MMDadoda

10/29/2020 12:00:56 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.555 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

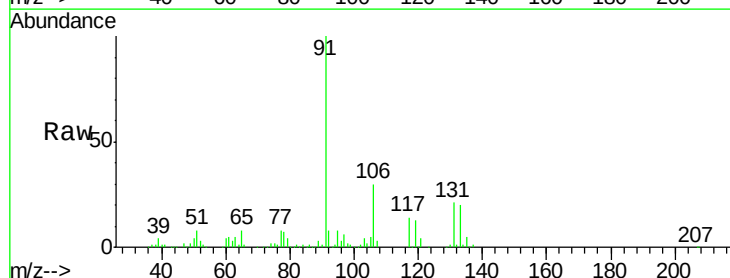
Tgt Ion:131 Resp: 74339

Ion Ratio Lower Upper

131 100

133 95.2 48.1 144.3

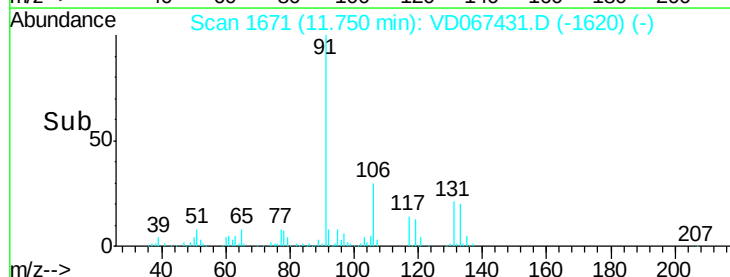
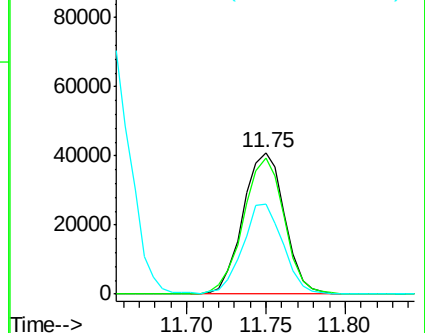
119 61.8 30.0 90.0

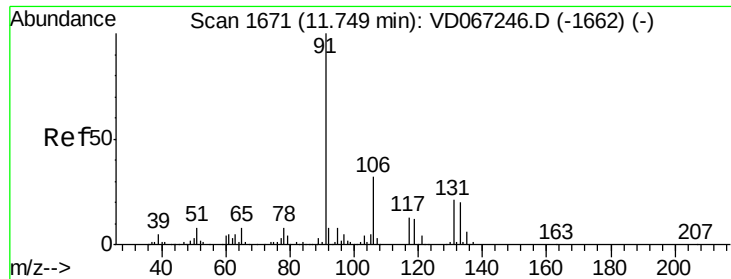


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





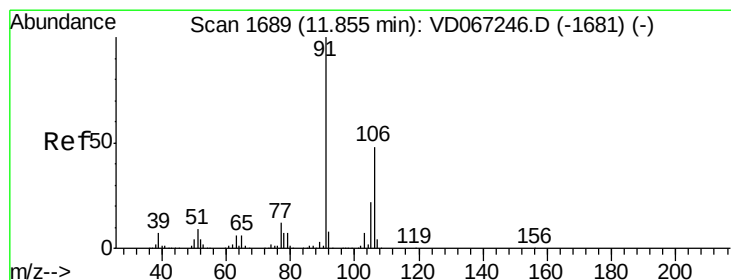
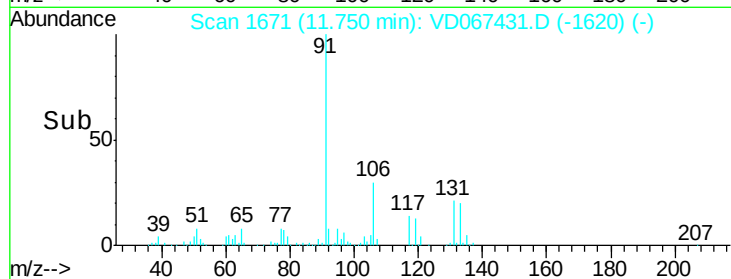
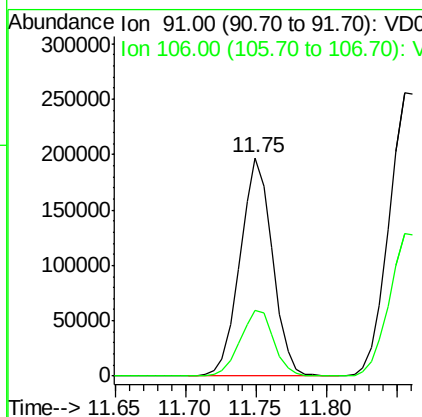
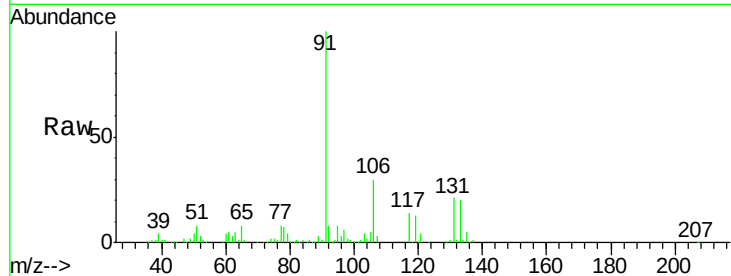
#67
Ethyl Benzene
Concen: 22.222 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.2	25.4	38.0

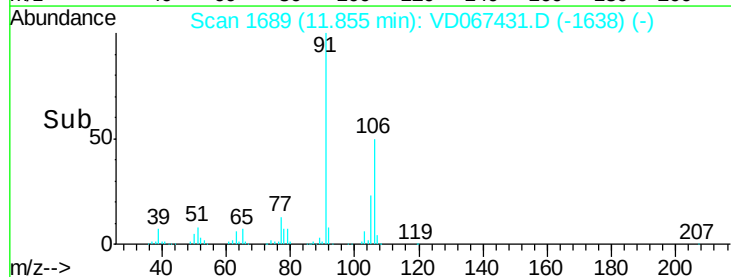
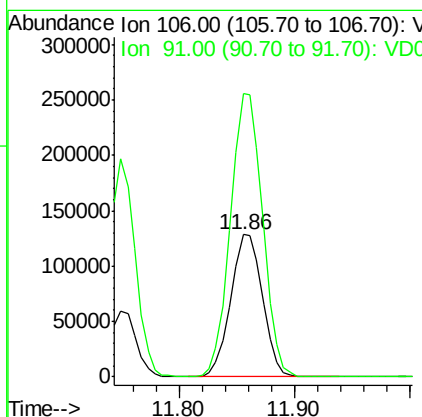
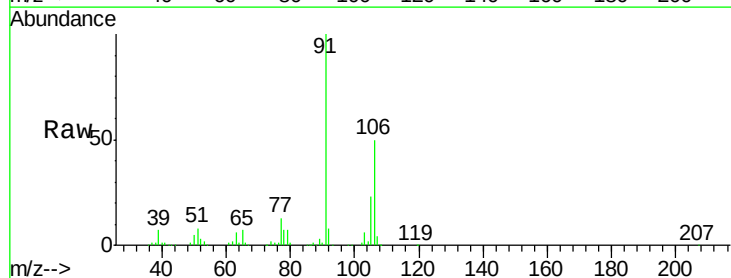
Manual Integrations
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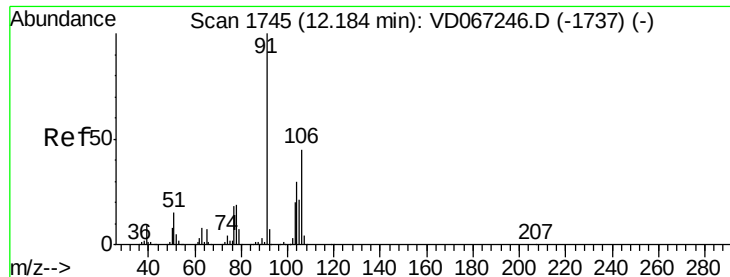
MMDadoda
10/29/2020 12:00:56 PM



#68
m/p-Xylenes
Concen: 44.687 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.6	163.8	245.8





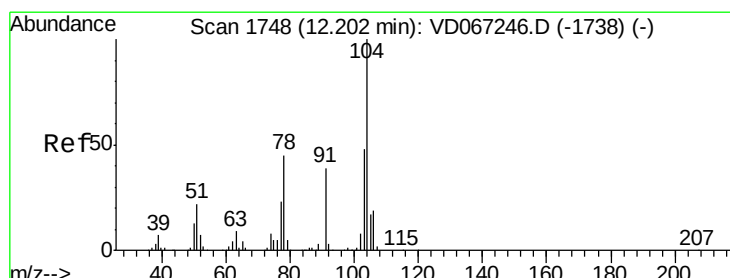
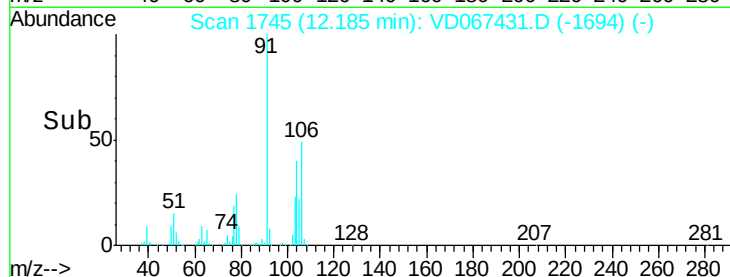
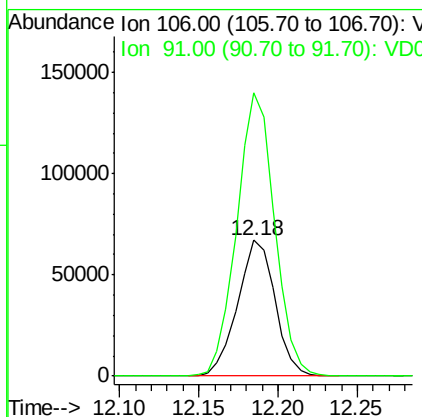
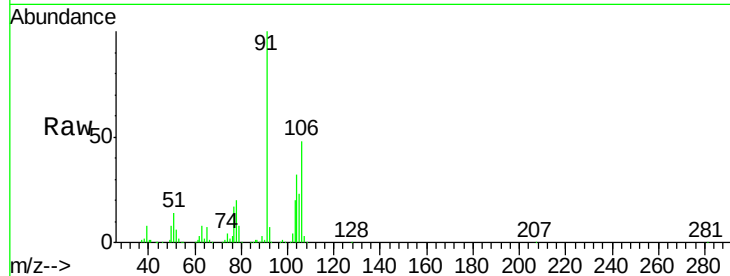
#69
o-Xylene
Concen: 21.688 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.2	109.1	327.3	

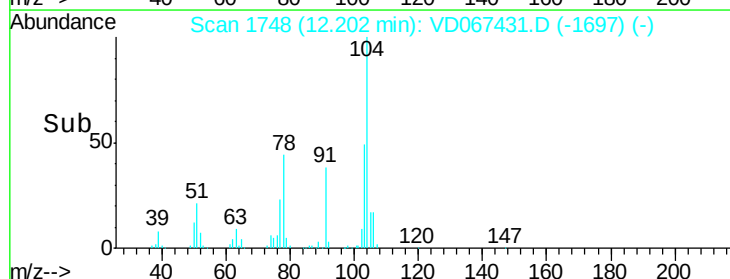
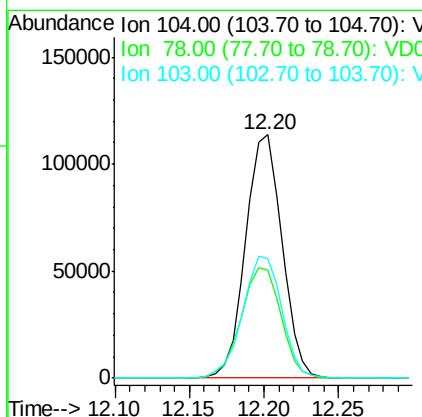
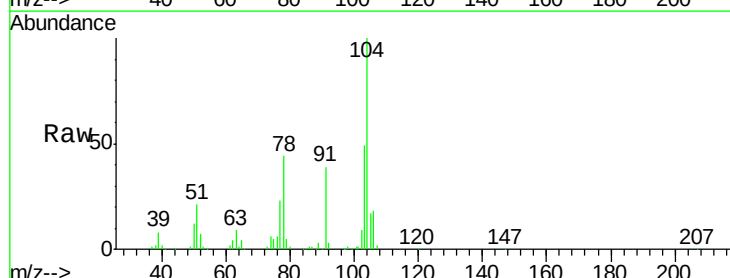
Manual Integrations
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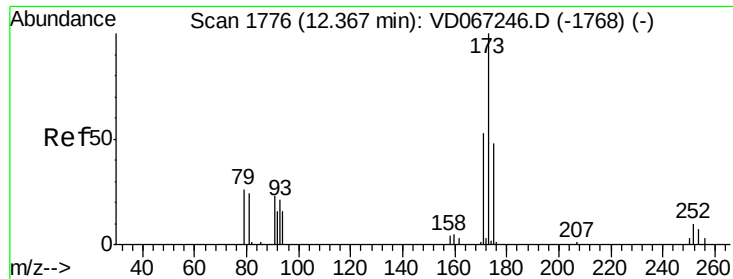
MMDadoda
10/29/2020 12:00:56 PM



#70
Styrene
Concen: 22.040 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.9	39.8	59.6	
103	54.1	42.6	64.0	





#71

Bromoform

Concen: 21.486 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion:173 Resp: 38043

Ion Ratio Lower Upper

173 100

175 48.2 24.2 72.6

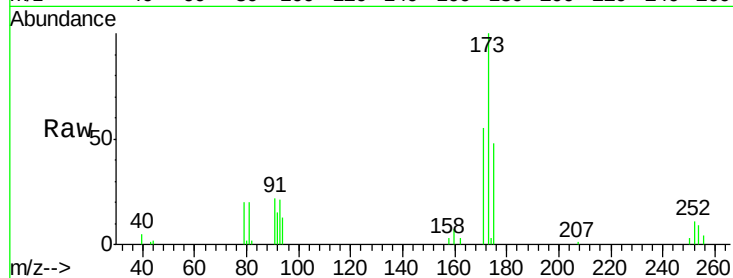
254 0.0 0.1 0.1#

Manual Integrations

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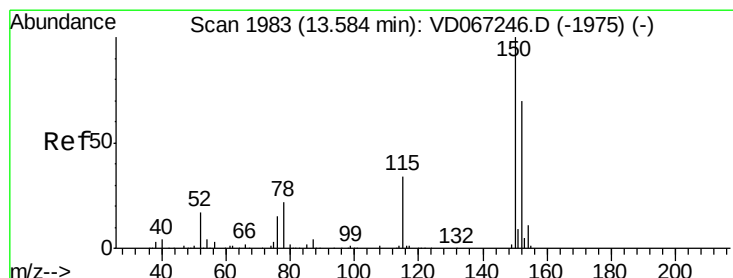
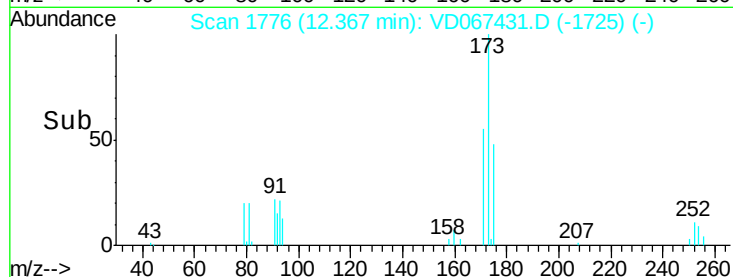
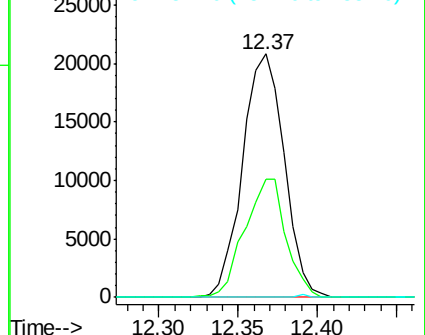
10/29/2020 12:00:56 PM



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: VD067431.D

Acq: 28 Oct 2020 13:58

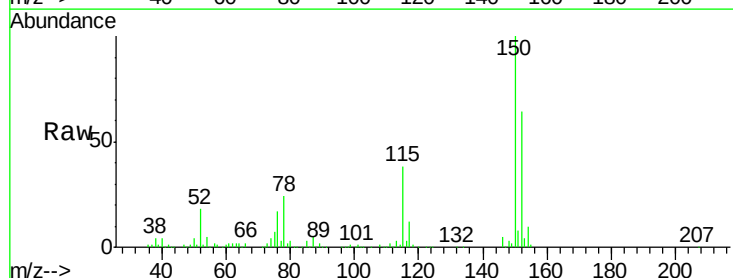
Tgt Ion:152 Resp: 220822

Ion Ratio Lower Upper

152 100

115 59.3 29.3 87.9

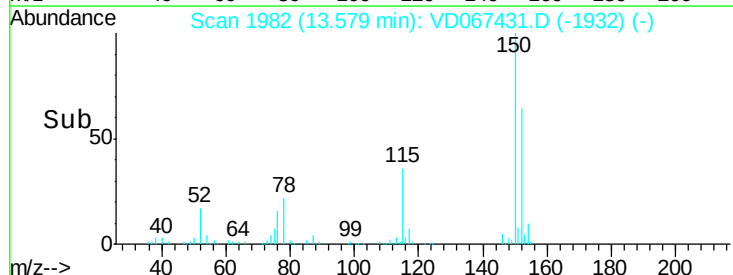
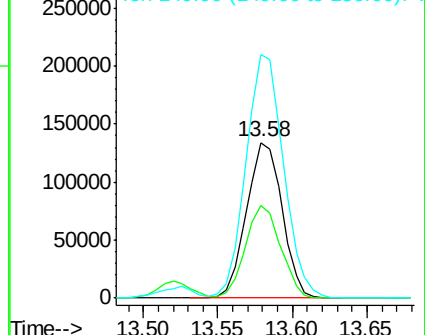
150 165.8 0.0 339.0

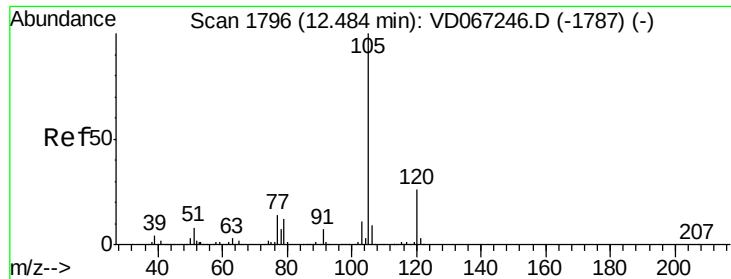


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





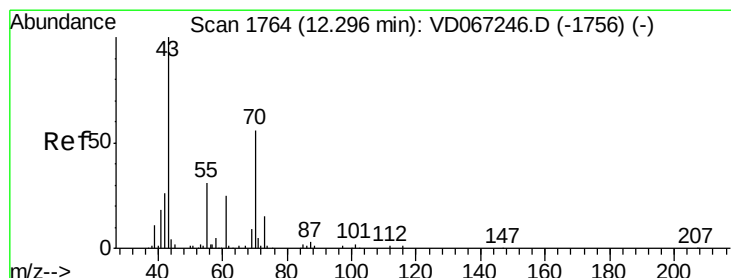
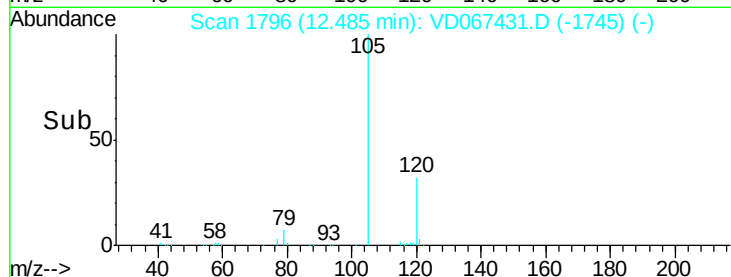
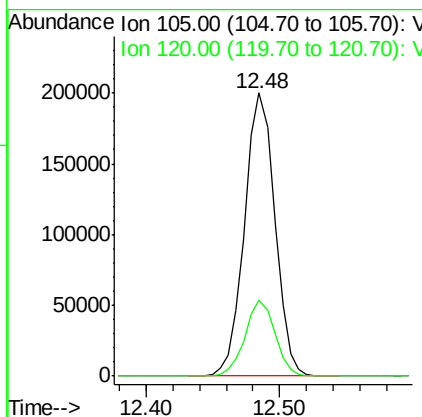
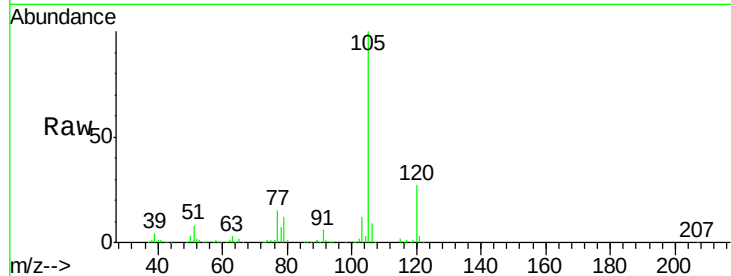
#73
Isopropylbenzene
Concen: 22.371 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

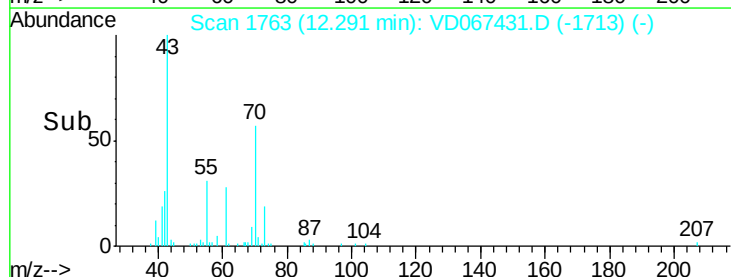
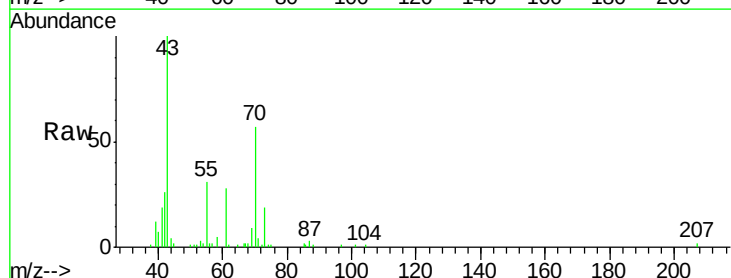
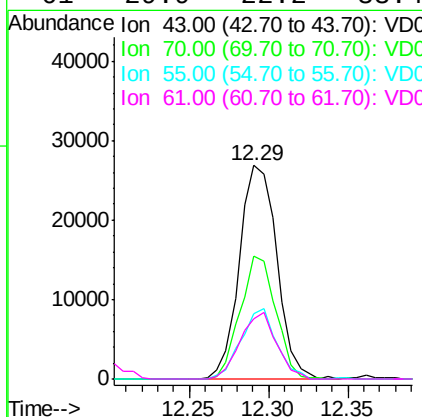
Manual Integrations
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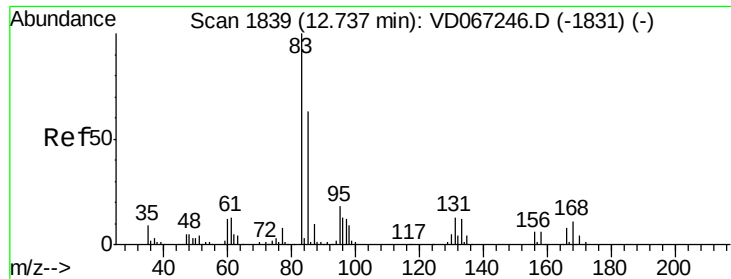
MMDadoda
10/29/2020 12:00:56 PM



#74
N-ethyl acetate
Concen: 20.943 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	54.5	42.7	64.1
55	31.1	24.0	36.0
61	29.9	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.571 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

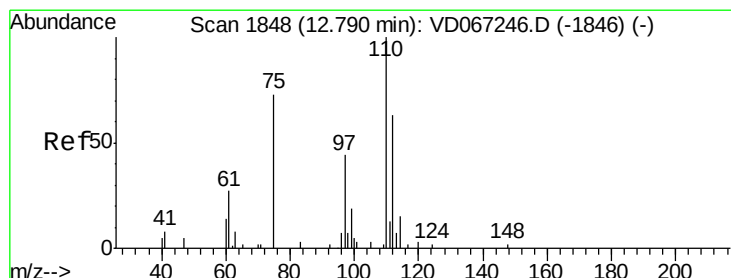
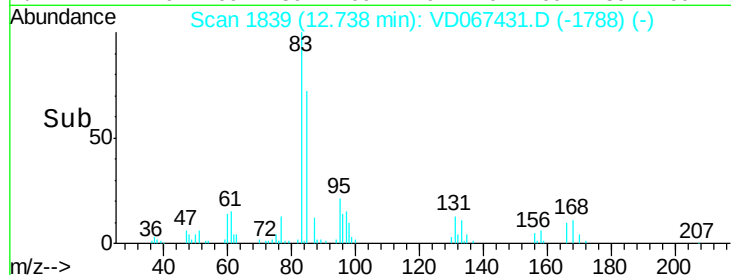
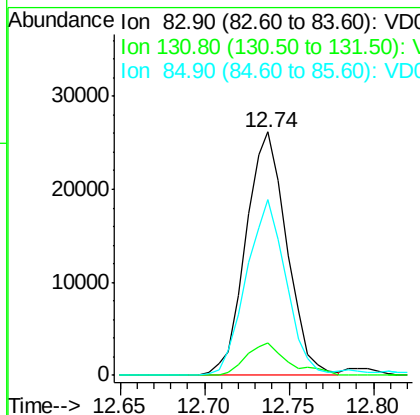
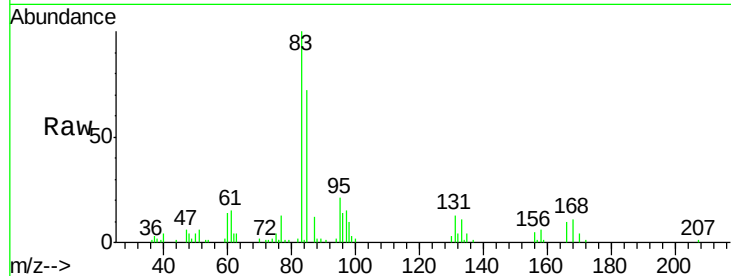
ClientSampleId :

VD1028SBS01

Tot Ion:	83	Resp:	44175
Ion Ratio	Lower	Upper	
83	100		
131	13.7	6.5	19.5
85	69.8	32.6	97.7

Manual Integrations
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10/29/2020 12:00:56 PM



#76

1,2,3-Trichloropropane

Concen: 19.005 ug/l m

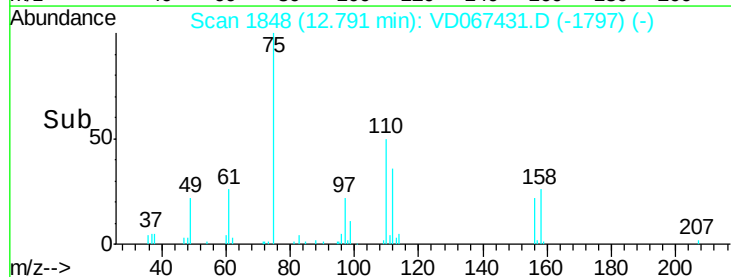
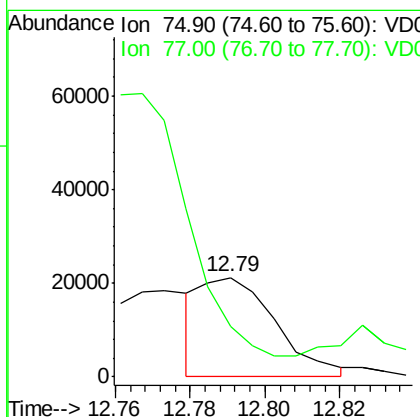
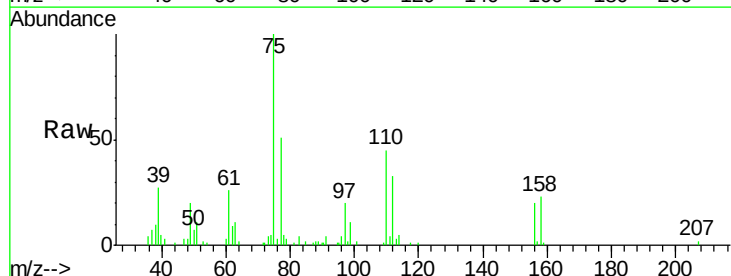
RT: 12.79 min Scan# 1848

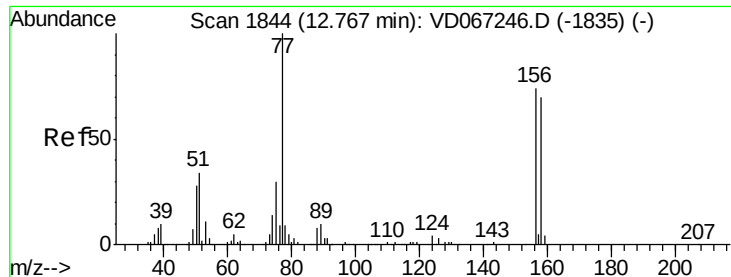
Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Tgt Ion:	75	Resp:	29088
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.644 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion:156 Resp: 75624

Ion Ratio Lower Upper

156 100

77 152.8 78.0 233.8

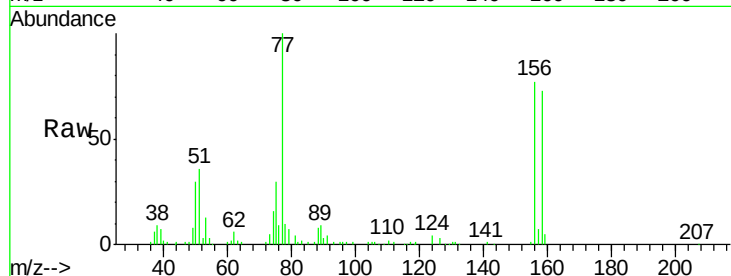
158 98.8 49.1 147.3

Manual Integrations

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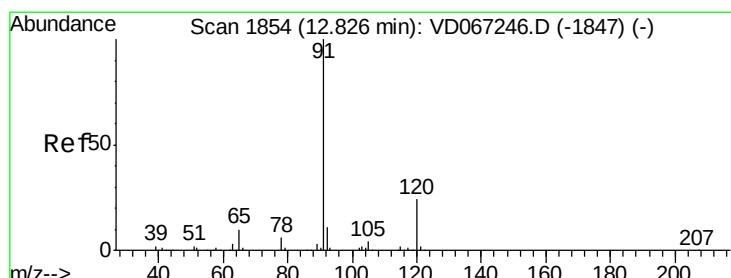
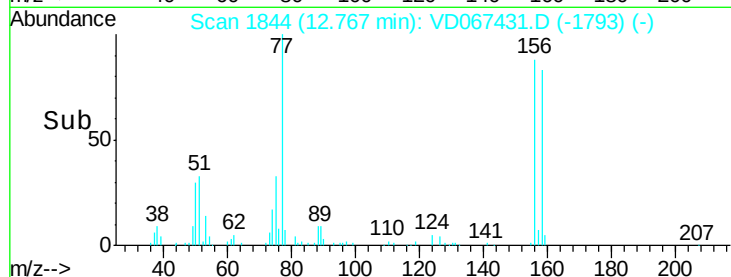
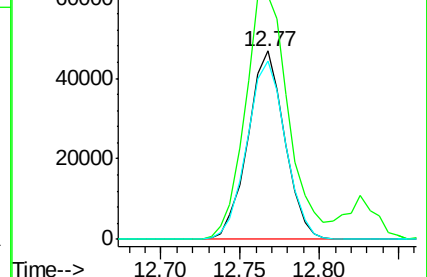
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.057 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067431.D

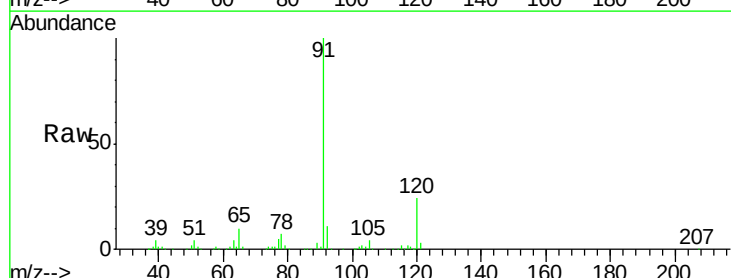
Acq: 28 Oct 2020 13:58

Tgt Ion: 91 Resp: 358155

Ion Ratio Lower Upper

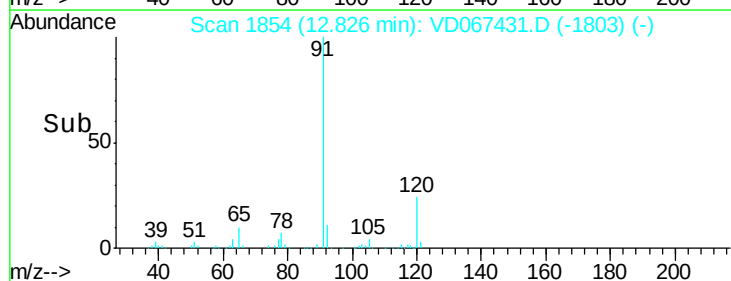
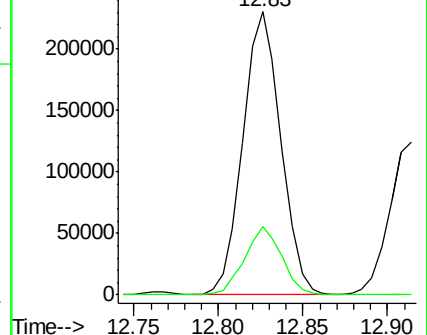
91 100

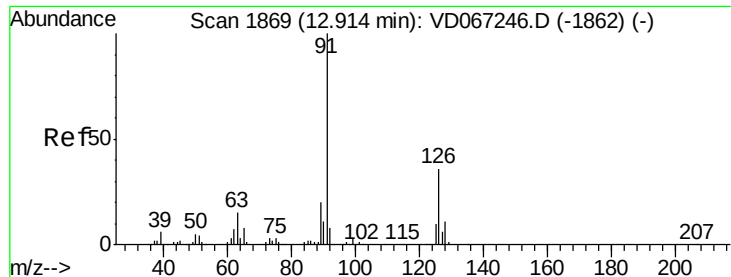
120 23.8 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.969 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

ClientSampleId :

VD1028SBS01

Tot Ion: 91 Resp: 206880

Ion Ratio Lower Upper

91 100

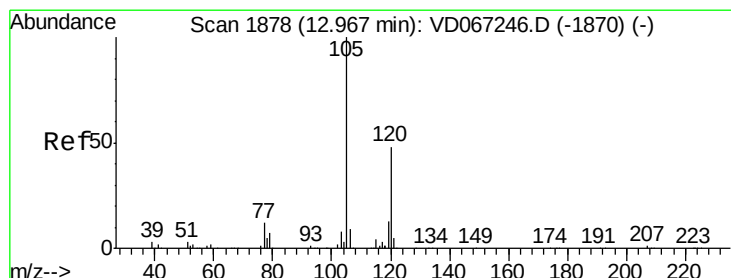
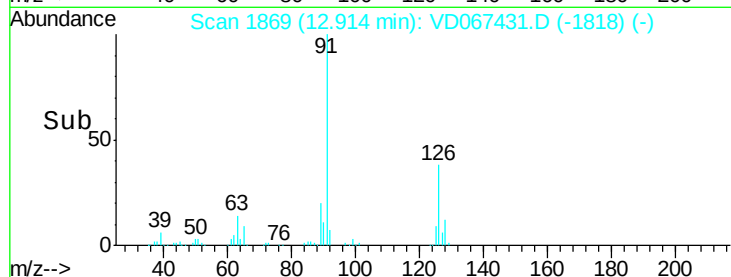
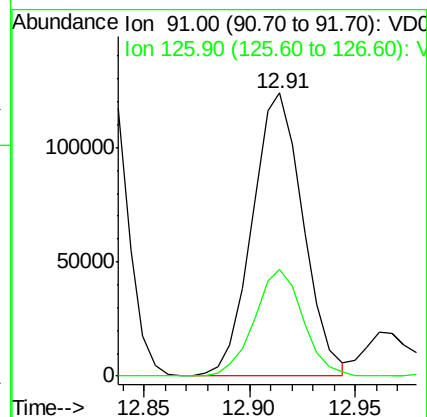
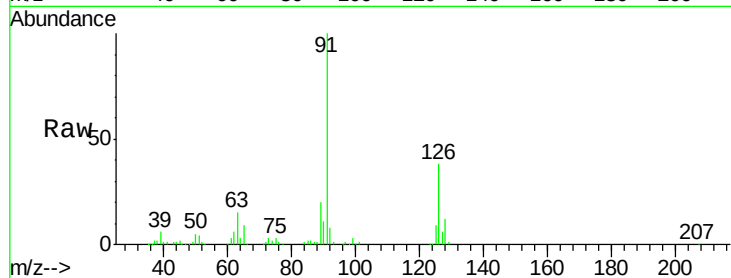
126 36.1 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.103 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067431.D

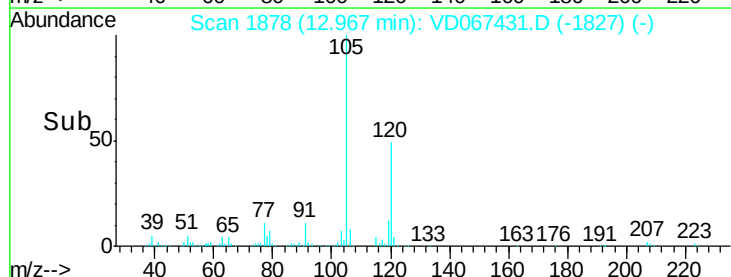
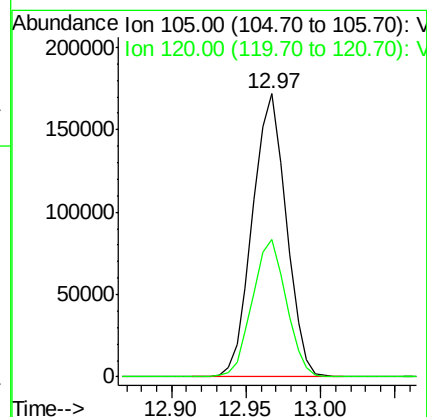
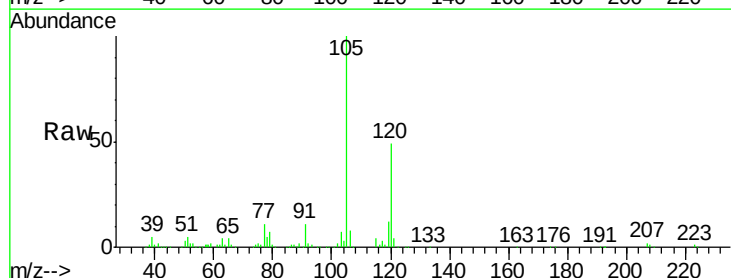
Acq: 28 Oct 2020 13:58

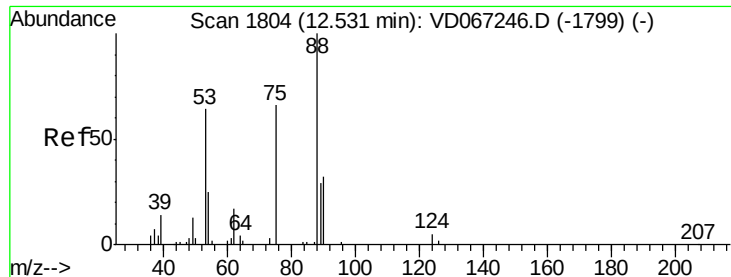
Tgt Ion: 105 Resp: 269189

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8





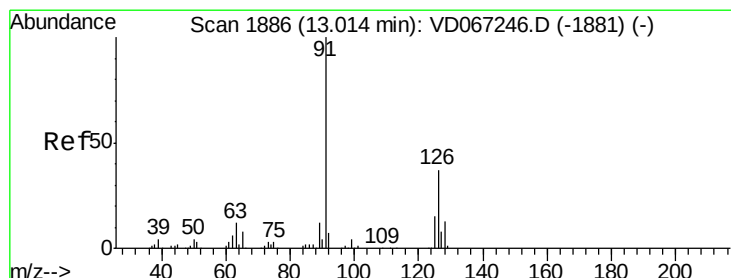
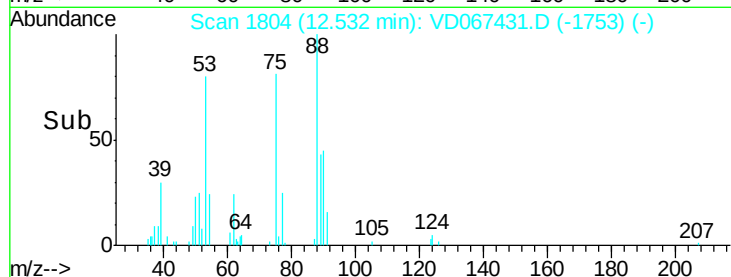
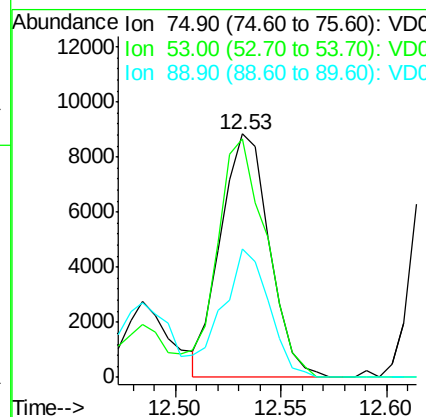
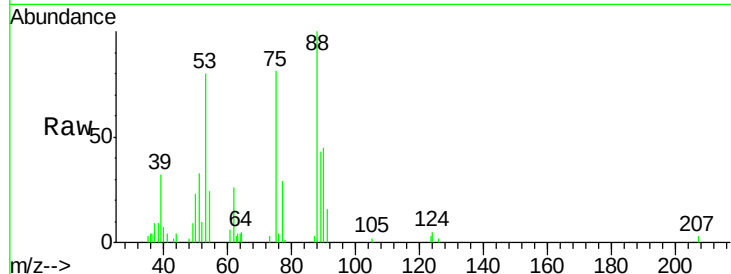
#81
trans-1,4-Dichloro-2-butene
Concen: 21.035 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.2	78.5	117.7
89	49.6	39.9	59.9

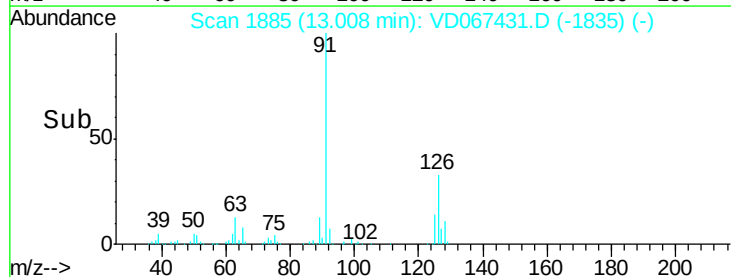
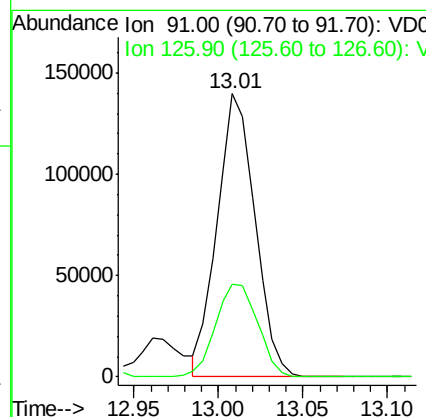
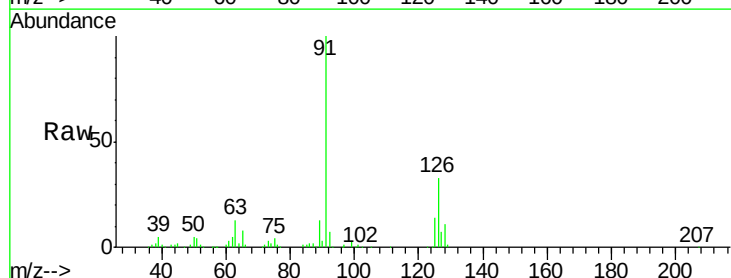
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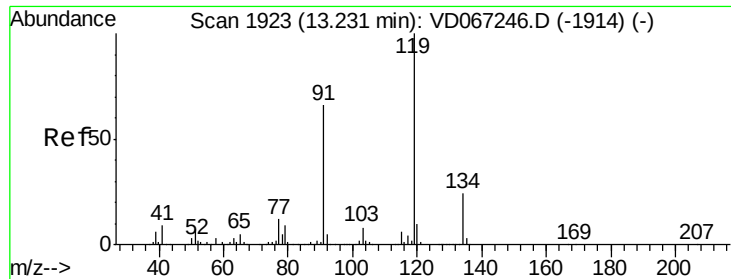
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.884 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.8	53.5





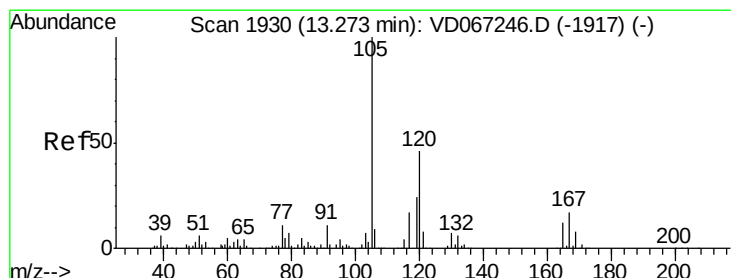
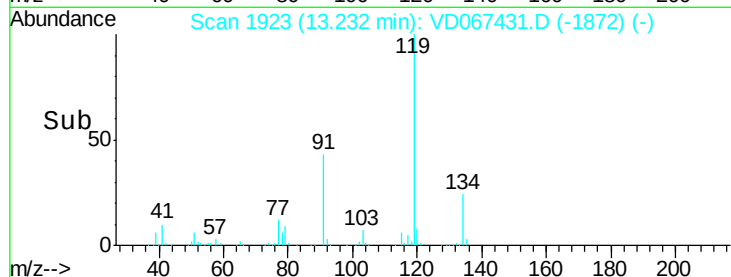
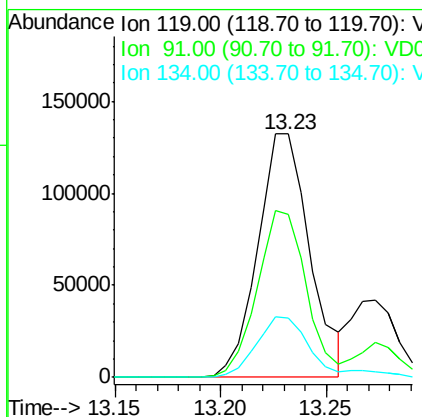
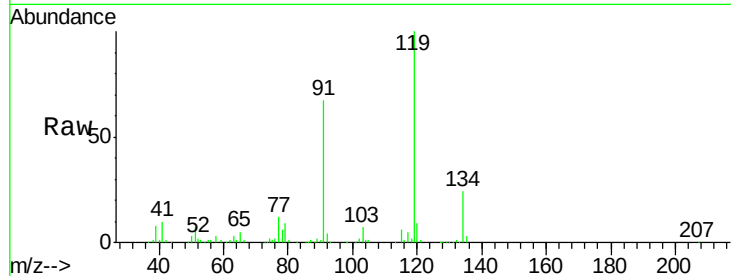
#83
tert-Butylbenzene
Concen: 22.064 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	226987		
91	64.5		33.1	99.2
134	26.9		13.3	39.9

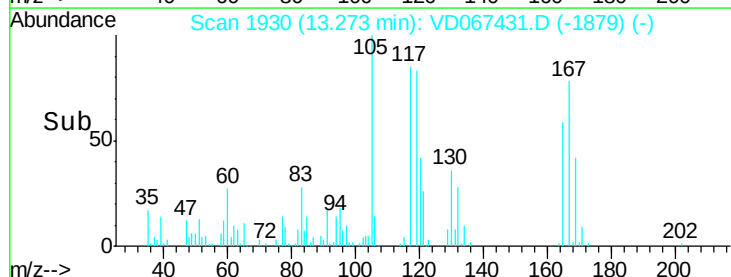
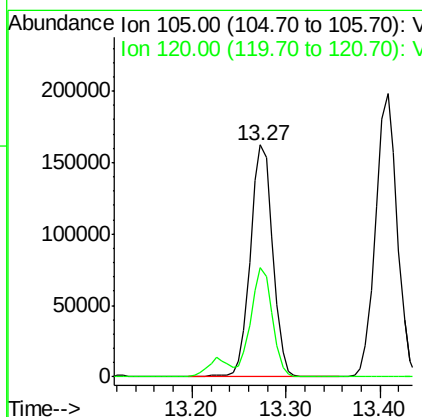
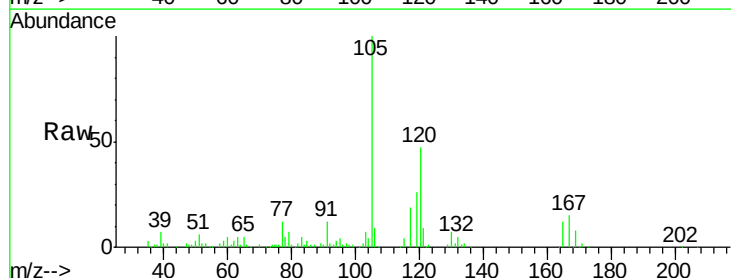
Manual Integrations
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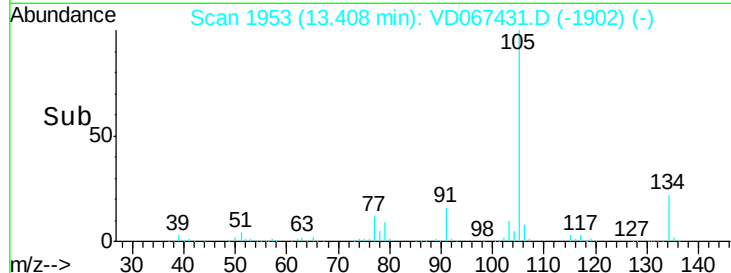
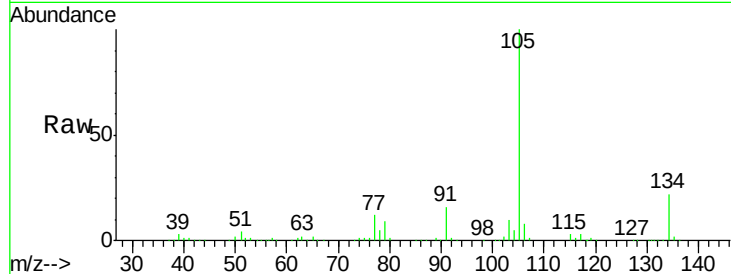
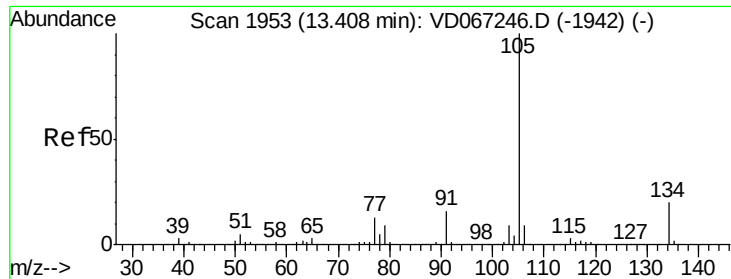
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#84
1,2,4-Trimethylbenzene
Concen: 22.241 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	267717		
120	45.4		22.4	67.3





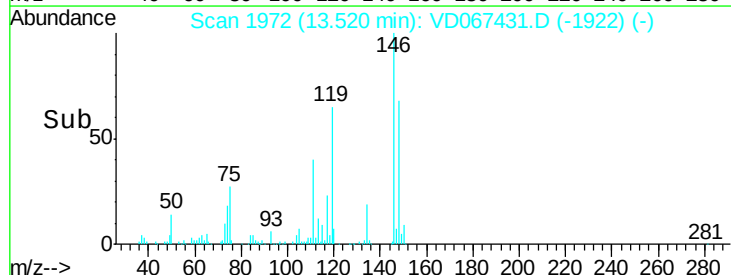
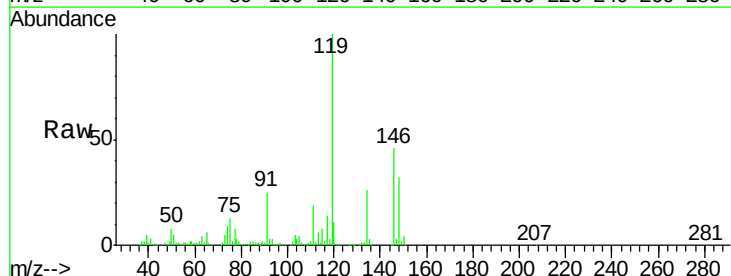
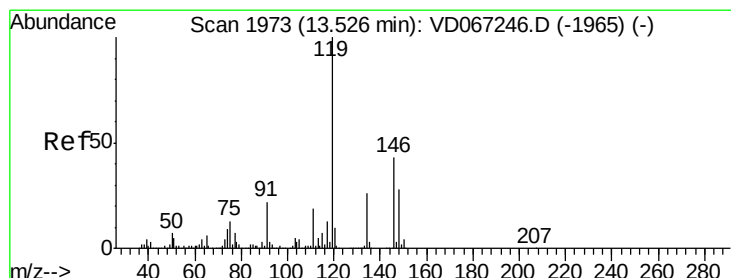
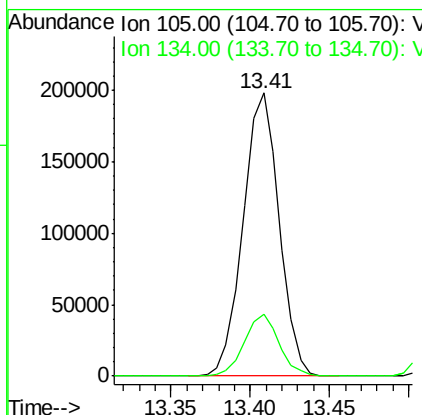
#85
 sec-Butylbenzene
 Concen: 22.206 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tot Ion:105 Resp: 313464
 Ion Ratio Lower Upper
 105 100
 134 21.2 10.5 31.5

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

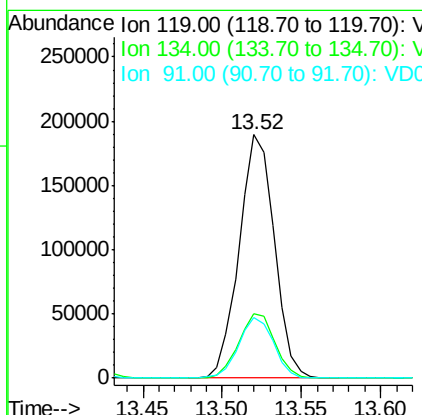
Manual Integrations
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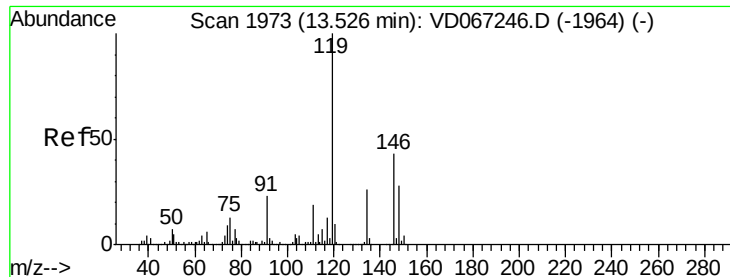
MMDadoda
 10/29/2020 12:00:56 PM



#86
 p-Isopropyltoluene
 Concen: 21.900 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion:119 Resp: 291795
 Ion Ratio Lower Upper
 119 100
 134 27.1 13.1 39.3
 91 24.5 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 22.455 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Instrument :

MSVOA_D

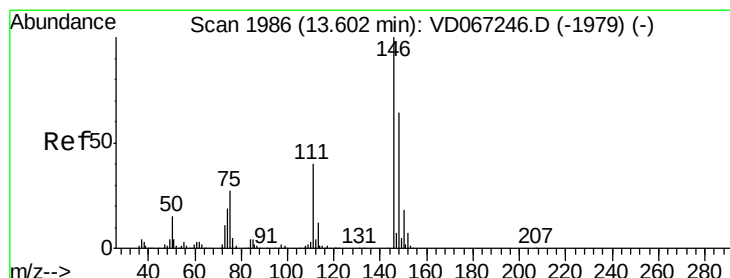
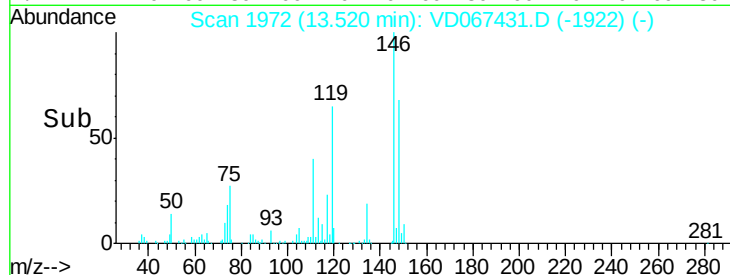
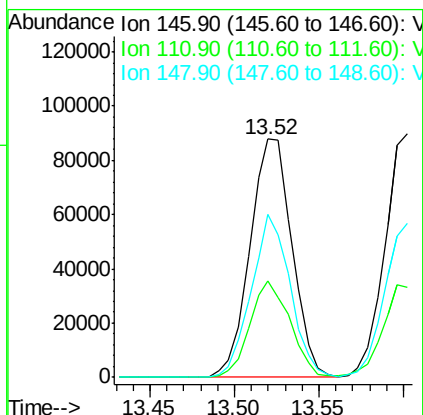
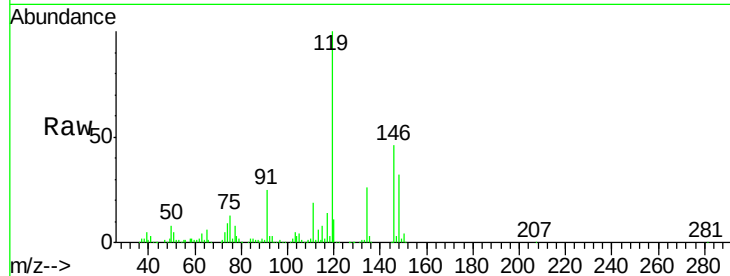
ClientSampleId :

VD1028SBS01

Tot Ion:	146	Resp:	151012
Ion Ratio	Lower	Upper	
146	100		
111	38.7	21.1	63.3
148	63.5	31.9	95.9

Manual Integrations
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10/29/2020 12:00:56 PM



#88

1,4-Dichlorobenzene

Concen: 22.239 ug/l

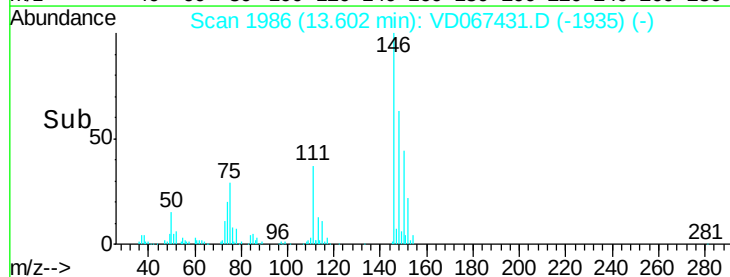
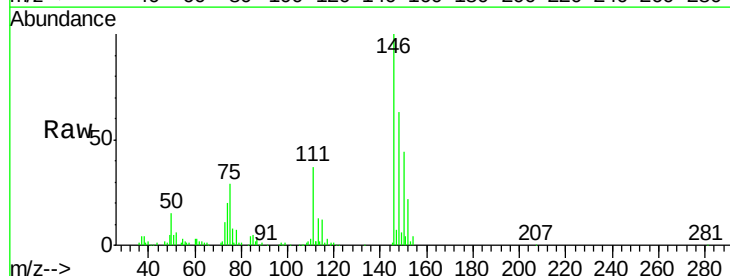
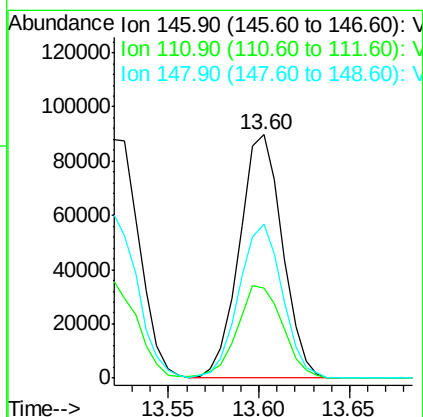
RT: 13.60 min Scan# 1986

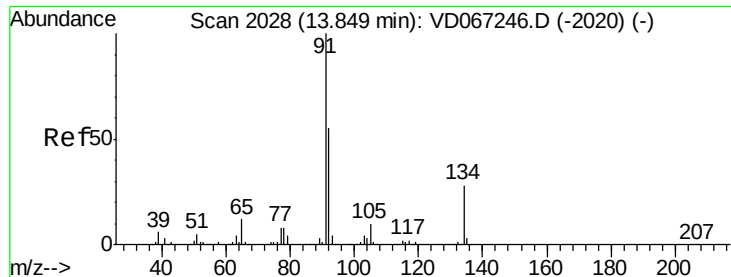
Delta R.T. 0.00 min

Lab File: VD067431.D

Acq: 28 Oct 2020 13:58

Tgt Ion:	146	Resp:	148176
Ion Ratio	Lower	Upper	
146	100		
111	40.5	19.9	59.7
148	64.1	31.9	95.9





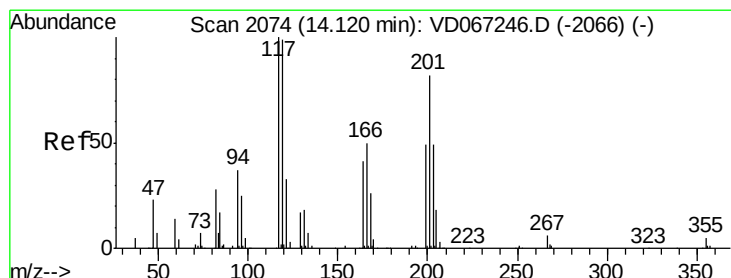
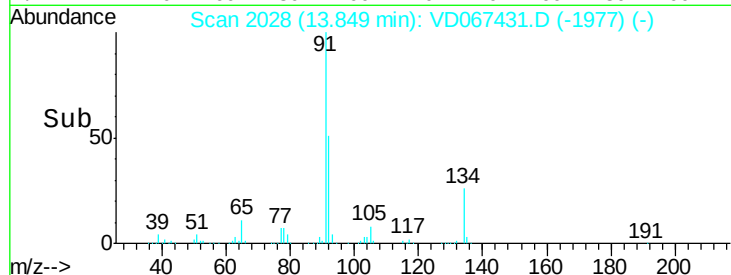
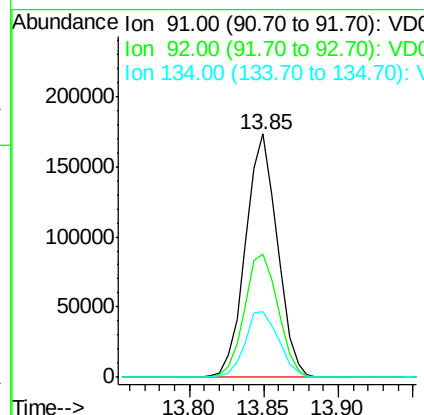
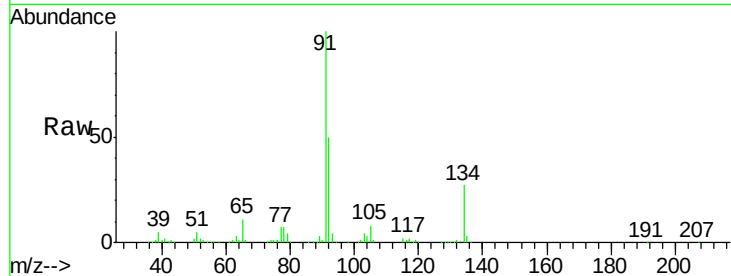
#89
n-Butylbenzene
Concen: 21.822 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	255791		
92	53.5	26.7	80.0	
134	28.4	14.2	42.6	

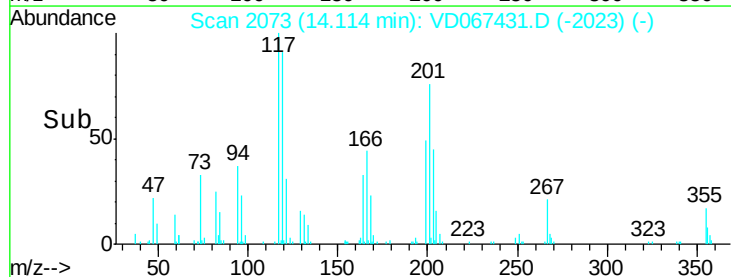
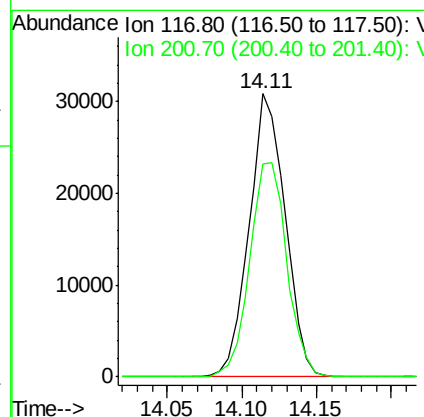
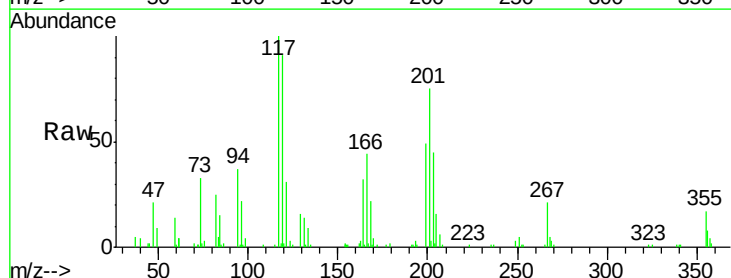
Manual Integrations
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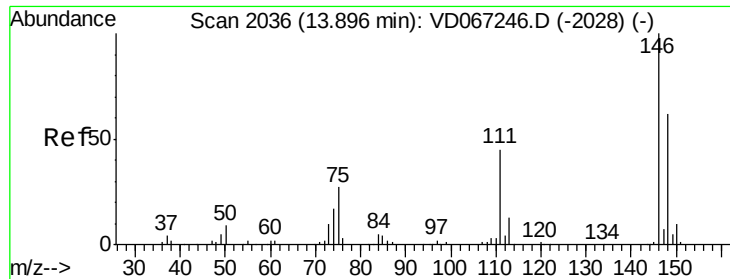
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#90
Hexachloroethane
Concen: 22.117 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	51424		
201	77.8	40.8	122.2	





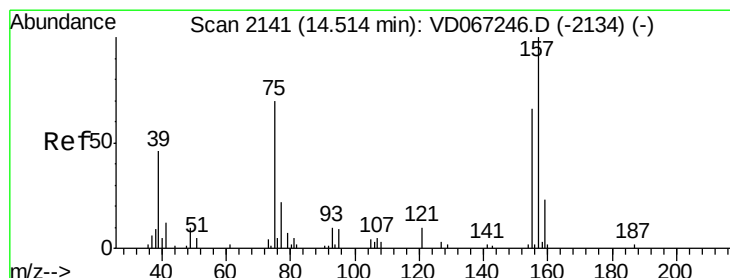
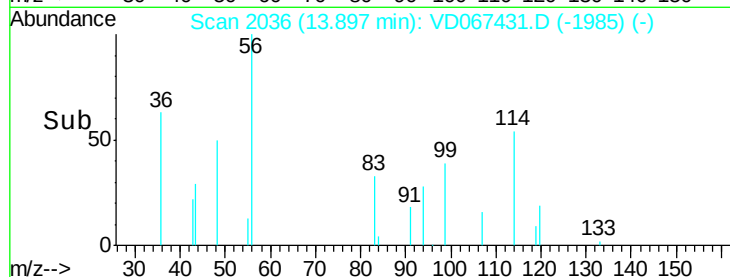
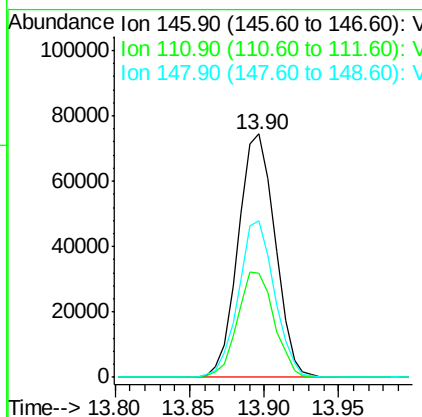
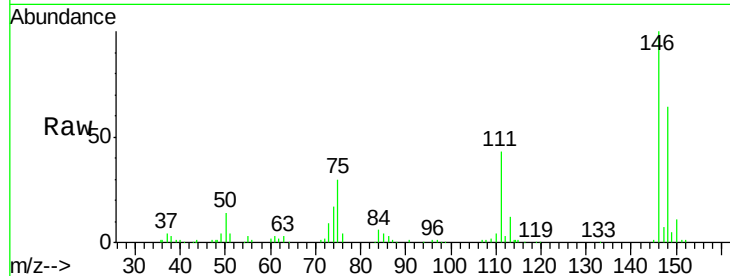
#91
 1,2-Dichlorobenzene
 Concen: 21.787 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1028SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.0	66.0
148	62.9	32.5	97.5

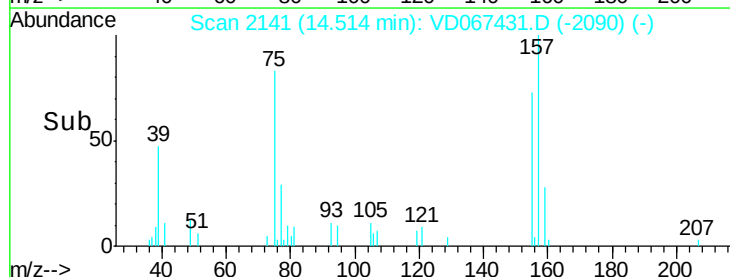
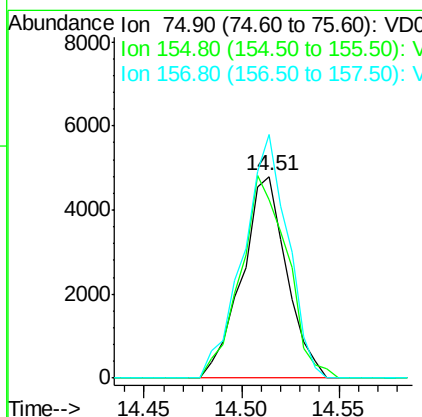
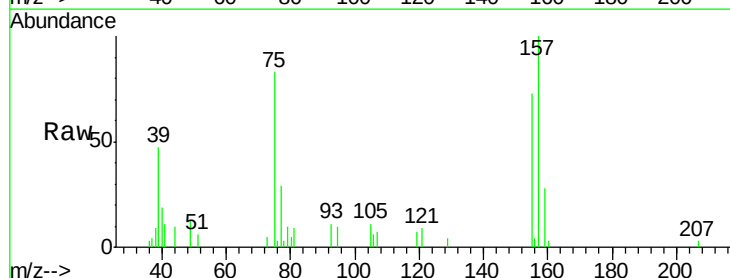
Manual Integrations
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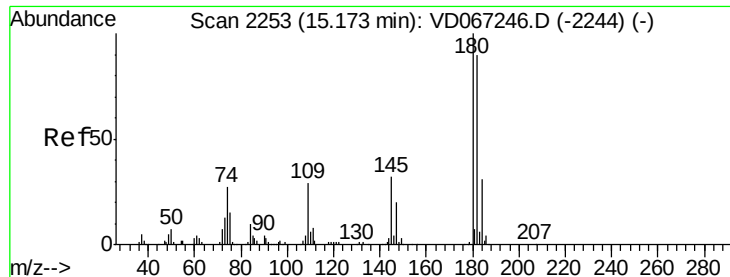
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 10/29/2020 12:00:56 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.468 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.1	44.8	134.4
157	120.6	62.5	187.4





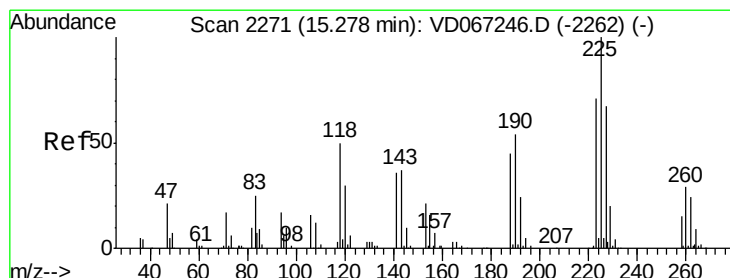
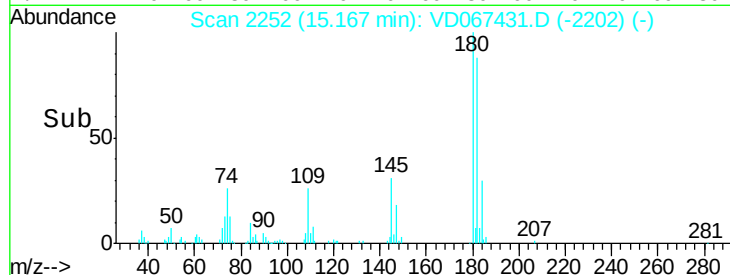
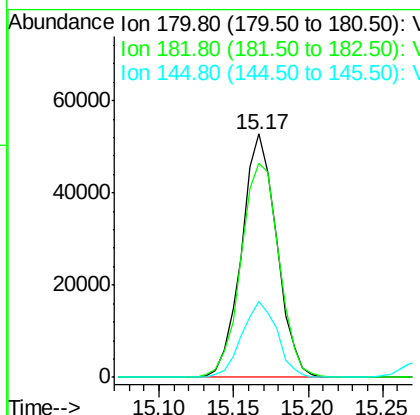
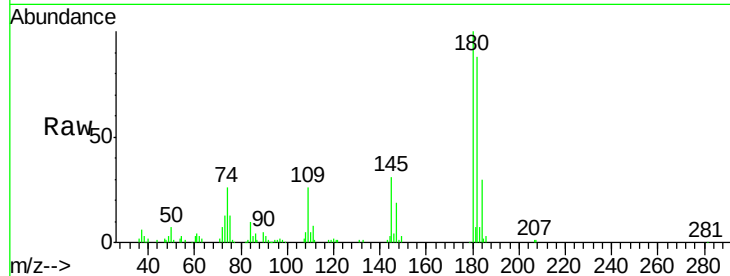
#93
 1,2,4-Trichlorobenzene
 Concen: 21.776 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	86259		
182	94.9	48.1	144.4	
145	31.1	16.3	48.9	

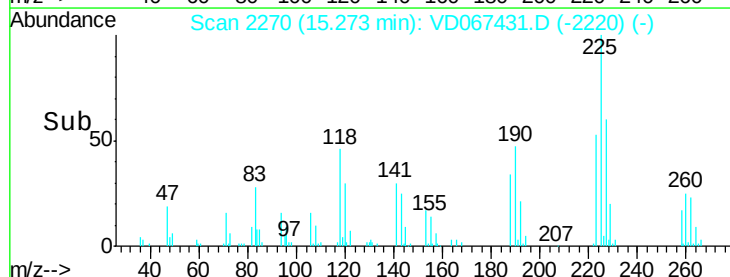
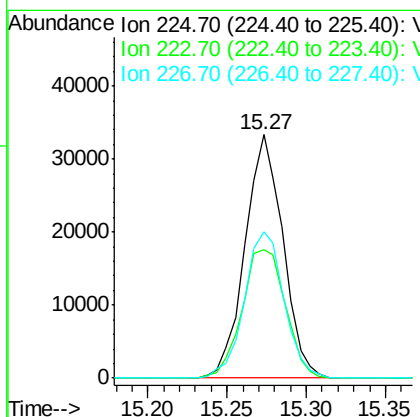
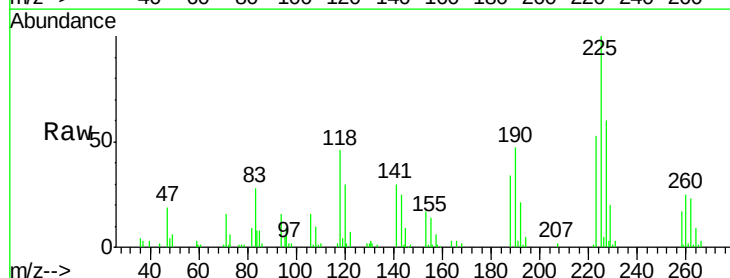
Manual Integrations
 APPROVED

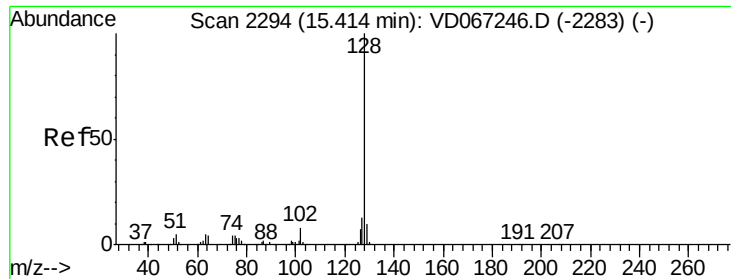
MMDadoda
 10/29/2020 12:00:56 PM



#94
 Hexachlorobutadiene
 Concen: 22.546 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067431.D
 Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55459		
223	60.3	31.9	95.7	
227	62.6	31.2	93.6	





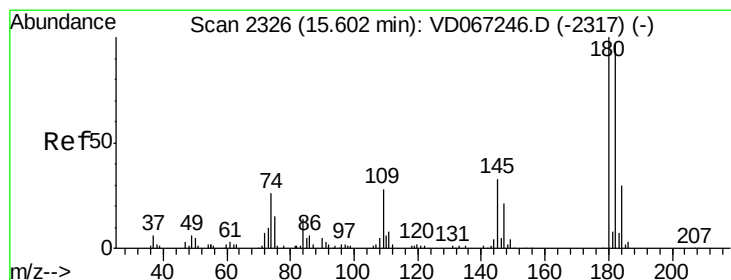
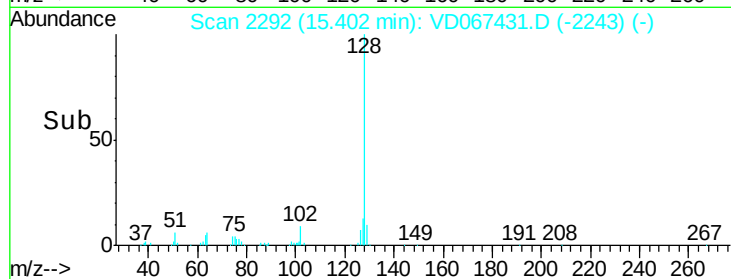
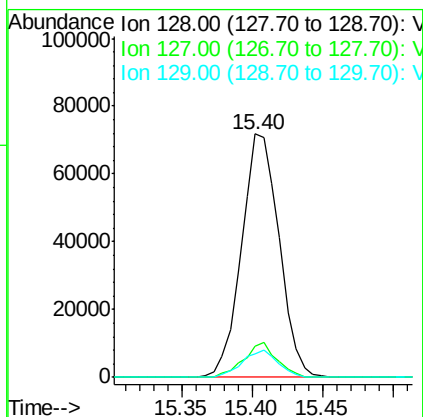
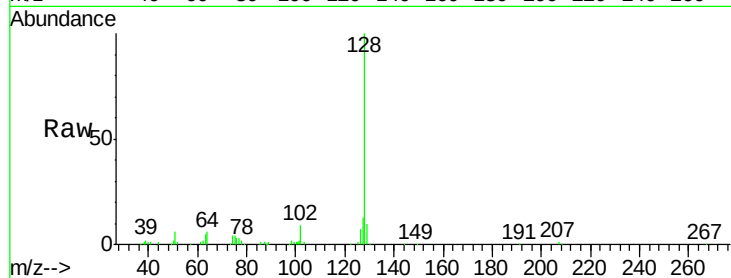
#95
Naphthalene
Concen: 20.578 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Instrument :
MSVOA_D
ClientSampleId :
VD1028SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	133830		
127	12.7		10.4	15.6
129	10.7		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/29/2020 12:00:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.850 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067431.D
Acq: 28 Oct 2020 13:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	74773		
182	96.0		48.1	144.3
145	34.8		17.3	51.9

