

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067228.D
 Acq On : 12 Oct 2020 12:35
 Operator : VA/SY
 Sample : VD1012SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Manual Integrations
 APPROVED

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 10/13/2020 1:52:22 PM

Quant Time: Oct 13 00:30:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	368812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	545201	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	506476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	256945	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	174187	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.91	113	186599	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.34	98	672605	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.64	95	244026	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77583	23.503	ug/l	93
3) Chloromethane	2.20	50	53264	18.135	ug/l	95
4) Vinyl Chloride	2.35	62	55361	18.798	ug/l	100
5) Bromomethane	2.75	94	39914	18.278	ug/l	85
6) Chloroethane	2.92	64	33250	18.539	ug/l #	84
7) Trichlorofluoromethane	3.27	101	138876	21.224	ug/l	99
8) Diethyl Ether	3.70	74	32868	20.257	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.09	101	79467	21.487	ug/l	97
10) Methyl Iodide	4.30	142	63584	17.694	ug/l	94
11) Tert butyl alcohol	5.21	59	30137	119.366	ug/l	95
12) 1,1-Dichloroethene	4.07	96	68143	19.600	ug/l	96
13) Acrolein	3.92	56	16415	69.009	ug/l	96
14) Allyl chloride	4.71	41	79685	17.643	ug/l	94
15) Acrylonitrile	5.42	53	57205	95.792	ug/l	96
16) Acetone	4.16	43	58563	107.995	ug/l	96
17) Carbon Disulfide	4.40	76	195506	18.323	ug/l	99
18) Methyl Acetate	4.71	43	24889	18.262	ug/l #	82
19) Methyl tert-butyl Ether	5.47	73	134291	21.159	ug/l	94
20) Methylene Chloride	4.97	84	79767	15.745	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	78062	19.729	ug/l	94
22) Diisopropyl ether	6.36	45	151689	18.396	ug/l	97
23) Vinyl Acetate	6.31	43	430252	92.082	ug/l	98
24) 1,1-Dichloroethane	6.27	63	121713	19.127	ug/l	97
25) 2-Butanone	7.21	43	68999	89.747	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	121896	19.920	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	84798	20.067	ug/l	100
28) Bromochloromethane	7.54	49	41391	16.843	ug/l	87
29) Tetrahydrofuran	7.56	42	39238	88.761	ug/l #	86
30) Chloroform	7.71	83	142530	20.647	ug/l	98
31) Cyclohexane	7.98	56	96878	18.159	ug/l #	87
32) 1,1,1-Trichloroethane	7.91	97	138037	21.577	ug/l	97
36) 1,1-Dichloropropene	8.11	75	106475	20.952	ug/l	99
37) Ethyl Acetate	7.29	43	35216	20.003	ug/l #	94
38) Carbon Tetrachloride	8.09	117	129886	23.622	ug/l	98

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Manual Integrations
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Quant Time: Oct 13 00:30:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	112001	20.846	ug/l	97
40) Benzene	8.35	78	296540	21.009	ug/l	97
41) Methacrylonitrile	7.53	41	20482m	21.535	ug/l	
42) 1,2-Dichloroethane	8.43	62	86295	21.879	ug/l	100
43) Isopropyl Acetate	8.45	43	62972	19.416	ug/l	96
44) Trichloroethene	9.11	130	89489	21.231	ug/l	99
45) 1,2-Dichloropropane	9.39	63	68112	20.537	ug/l	95
46) Dibromomethane	9.48	93	41103	21.563	ug/l	96
47) Bromodichloromethane	9.66	83	108938	21.985	ug/l	98
48) Methyl methacrylate	9.46	41	32122	19.333	ug/l #	79
49) 1,4-Dioxane	9.47	88	8572	430.874	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	159094	98.483	ug/l	96
52) Toluene	10.41	92	201250	22.133	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	97765	22.077	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	115595	21.376	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	58048	21.904	ug/l	92
56) Ethyl methacrylate	10.66	69	59004	21.565	ug/l	97
57) 1,3-Dichloropropane	10.95	76	90941	21.161	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	158917	104.352	ug/l	97
59) 2-Hexanone	10.98	43	109369	101.435	ug/l	96
60) Dibromochloromethane	11.14	129	81690	23.127	ug/l	99
61) 1,2-Dibromoethane	11.25	107	56130	22.046	ug/l	96
64) Tetrachloroethene	10.88	164	80523	21.869	ug/l	91
65) Chlorobenzene	11.67	112	215316	21.375	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	83338	21.750	ug/l	97
67) Ethyl Benzene	11.75	91	379759	22.003	ug/l	97
68) m/p-Xylenes	11.86	106	297806	44.275	ug/l	99
69) o-Xylene	12.18	106	132612	22.047	ug/l	92
70) Styrene	12.20	104	234691	22.723	ug/l	98
71) Bromoform	12.36	173	46497	23.377	ug/l #	98
73) Isopropylbenzene	12.48	105	377926	21.661	ug/l	100
74) N-amyl acetate	12.29	43	57983	18.487	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	57289	19.489	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	43624m	19.492	ug/l	
77) Bromobenzene	12.77	156	92282	21.905	ug/l	92
78) n-propylbenzene	12.83	91	442299	21.451	ug/l	99
79) 2-Chlorotoluene	12.91	91	251355	21.306	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	320636	21.752	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	18103	20.166	ug/l	96
82) 4-Chlorotoluene	13.01	91	266956	21.269	ug/l	99
83) tert-Butylbenzene	13.23	119	278460	22.433	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	325869	22.152	ug/l	98
85) sec-Butylbenzene	13.41	105	378502	21.653	ug/l	99
86) p-Isopropyltoluene	13.52	119	352758	21.766	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	176693	21.533	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	174587	21.278	ug/l	99
89) n-Butylbenzene	13.85	91	313470	21.164	ug/l	99
90) Hexachloroethane	14.12	117	60319	21.248	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	155611	21.714	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9345	19.721	ug/l	88

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ALS Vial : 5 Sample Multiplier: 1

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ClientSampleId :
VD1012SBSD01

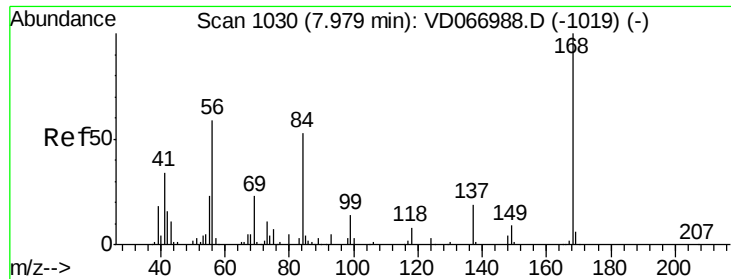
Manual Integrations
APPROVED

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10/13/2020 1:52:22 PM

Quant Time: Oct 13 00:30:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	103055	22.232	ug/l	97
94) Hexachlorobutadiene	15.28	225	62980	22.123	ug/l	97
95) Naphthalene	15.41	128	173564	22.448	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	90675	22.534	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion:168 Resp: 368812

Ion Ratio Lower Upper

168 100

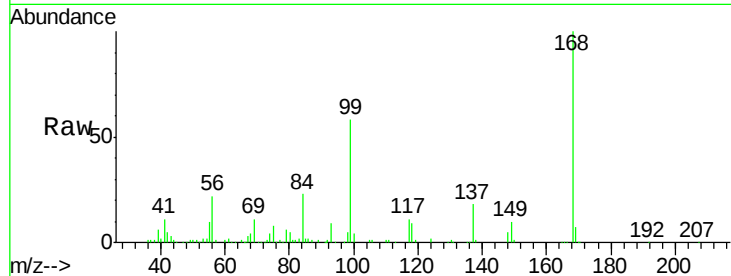
99 57.8 44.1 66.1

Manual Integrations

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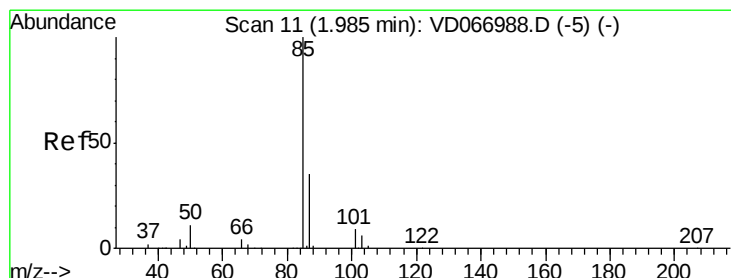
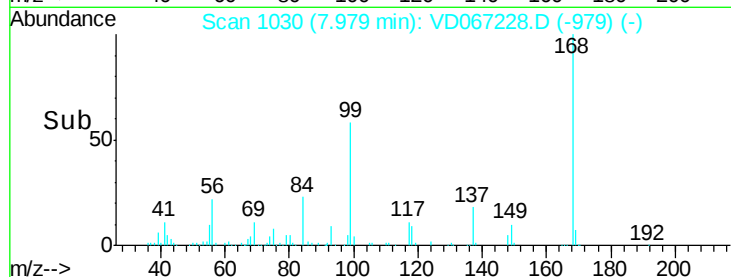
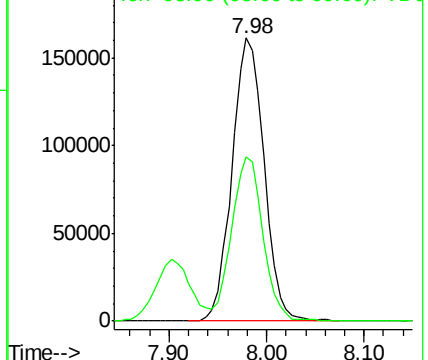
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 23.503 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067228.D

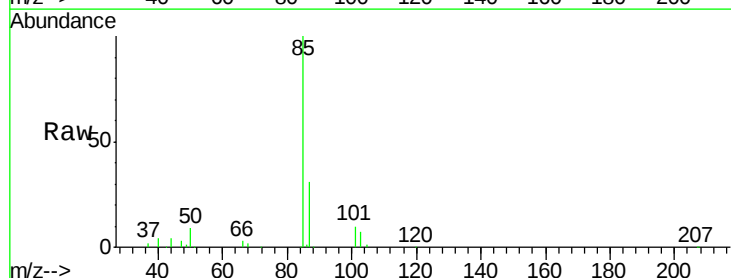
Acq: 12 Oct 2020 12:35

Tgt Ion: 85 Resp: 77583

Ion Ratio Lower Upper

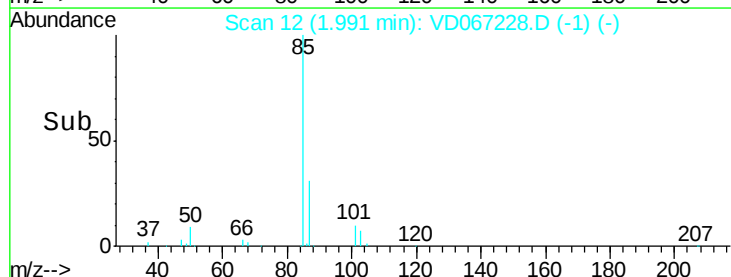
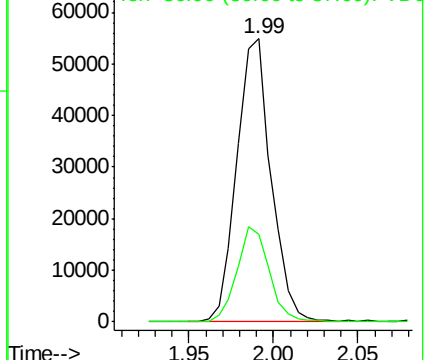
85 100

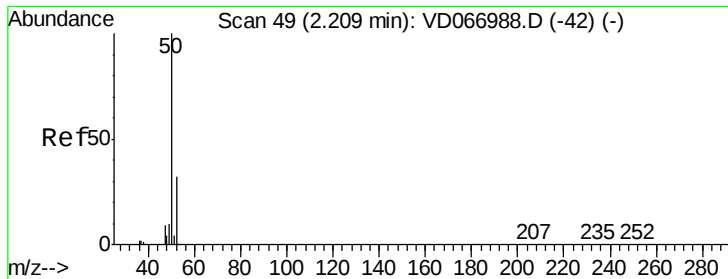
87 30.8 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.135 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBSD01

Tot Ion: 50 Resp: 53264

Ion Ratio Lower Upper

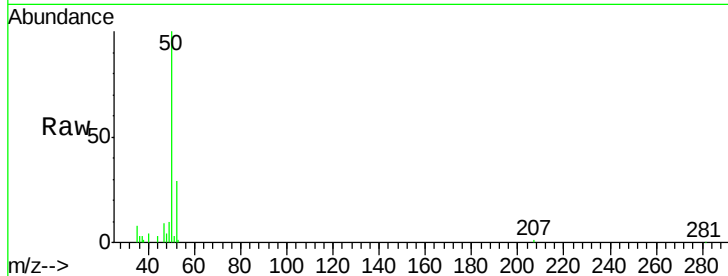
50 100

52 28.8 25.3 37.9

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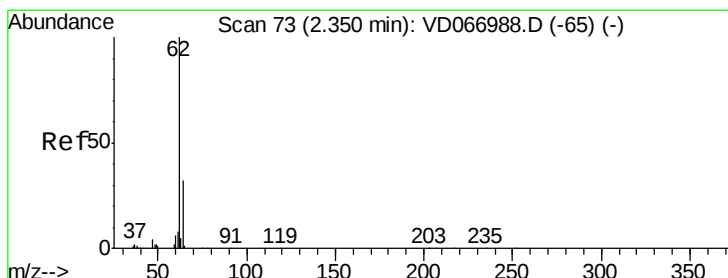
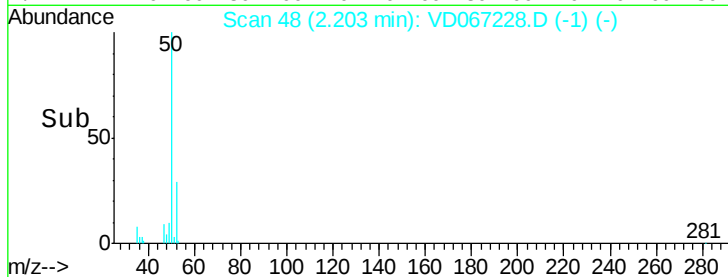
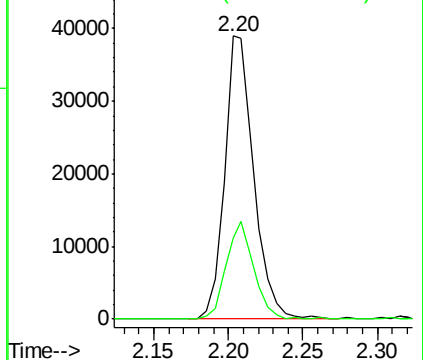
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.798 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067228.D

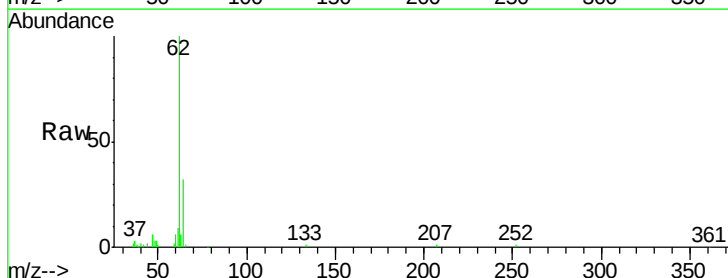
Acq: 12 Oct 2020 12:35

Tgt Ion: 62 Resp: 55361

Ion Ratio Lower Upper

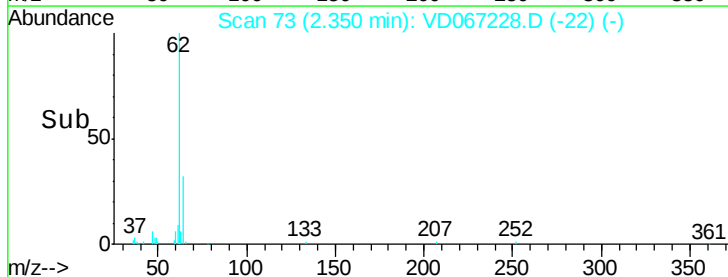
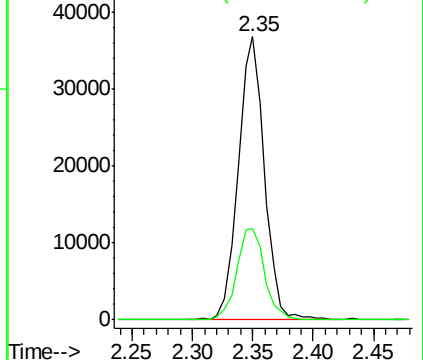
62 100

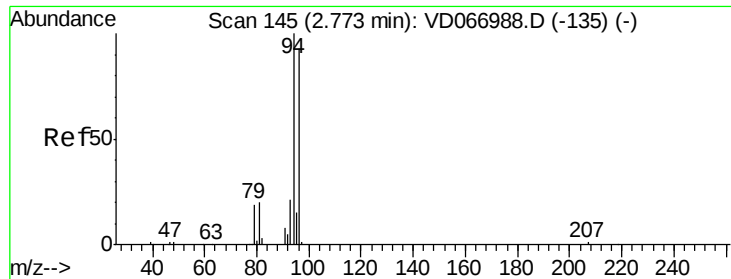
64 32.2 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 18.278 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 94 Resp: 39914

Ion Ratio Lower Upper

94 100

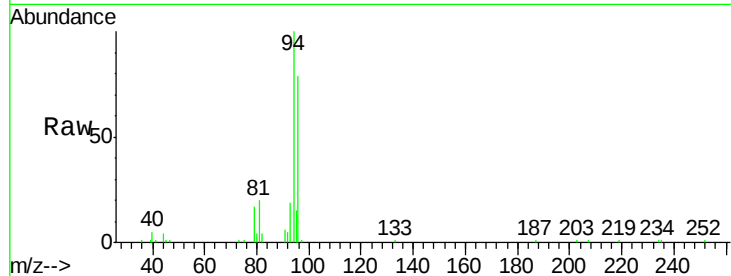
96 78.8 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

15000

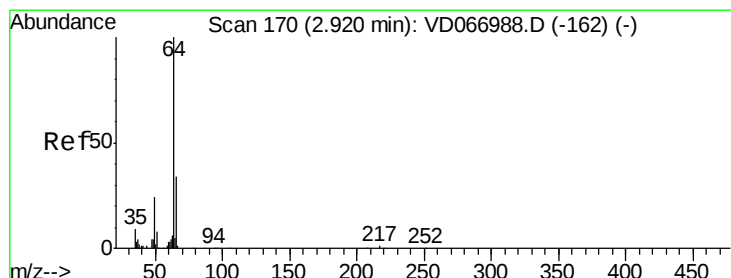
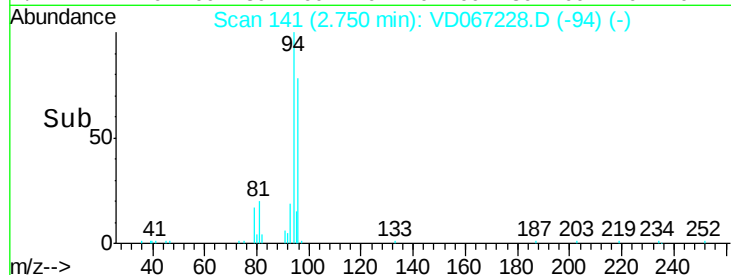
10000

5000

0

Time-->

2.65 2.70 2.75 2.80 2.85



#6

Chloroethane

Concen: 18.539 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067228.D

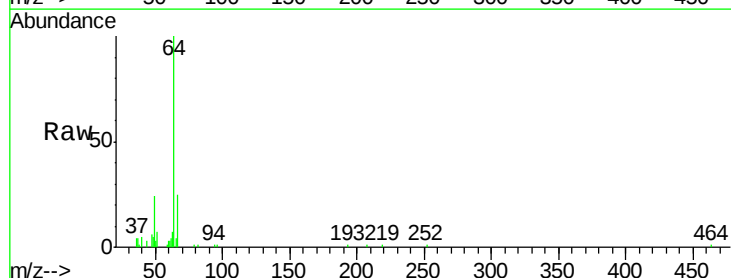
Acq: 12 Oct 2020 12:35

Tgt Ion: 64 Resp: 33250

Ion Ratio Lower Upper

64 100

66 24.9 27.0 40.6#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

15000

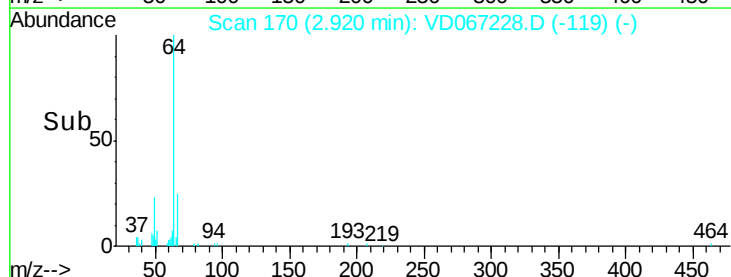
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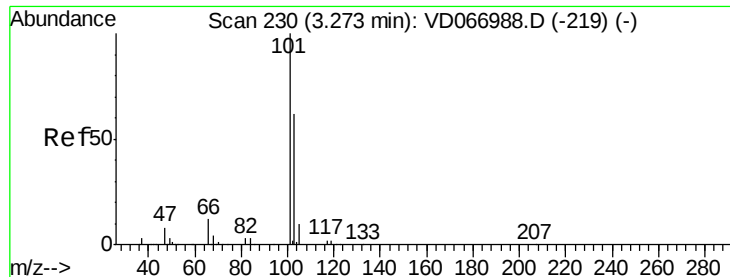
5000

0

Time-->

2.85 2.90 2.95 3.00





#7

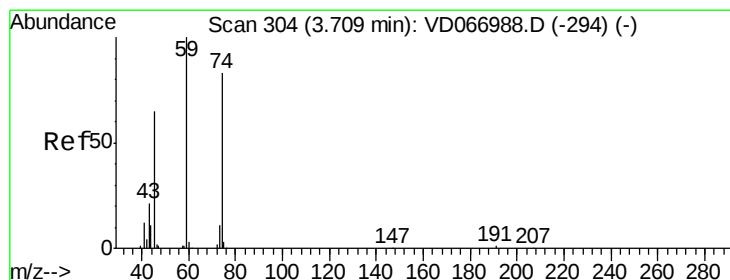
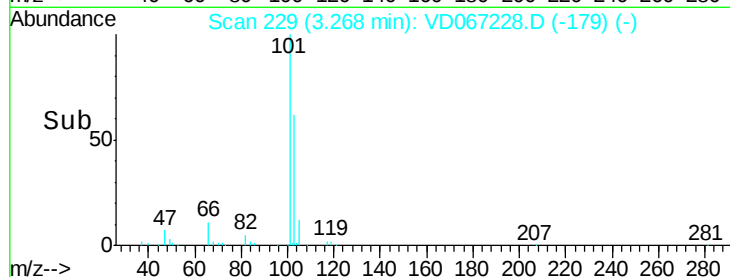
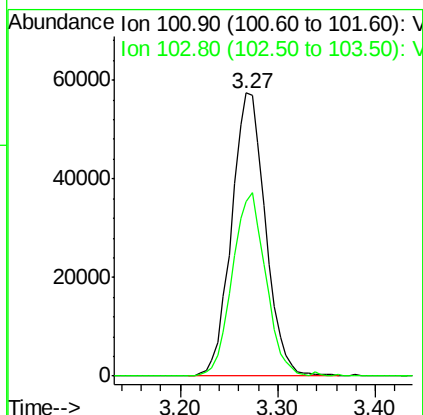
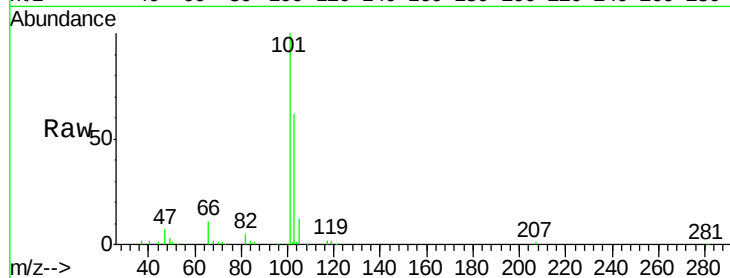
Trichlorofluoromethane
 Concen: 21.224 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	49.8	74.8

Manual Integrations
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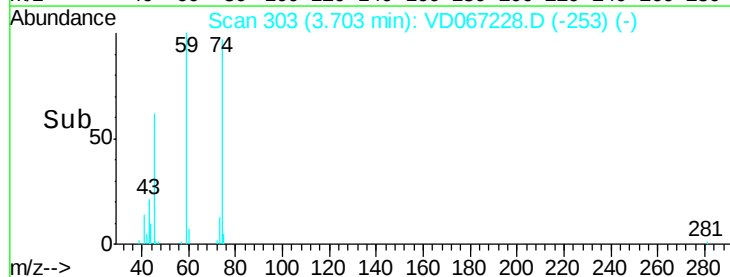
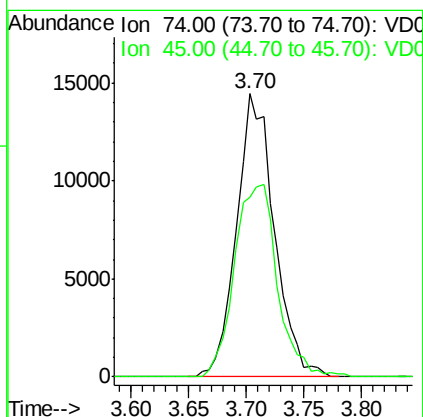
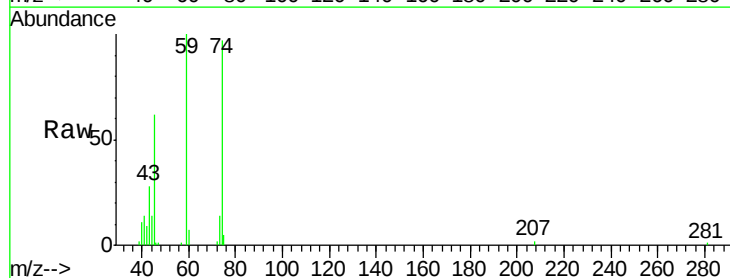
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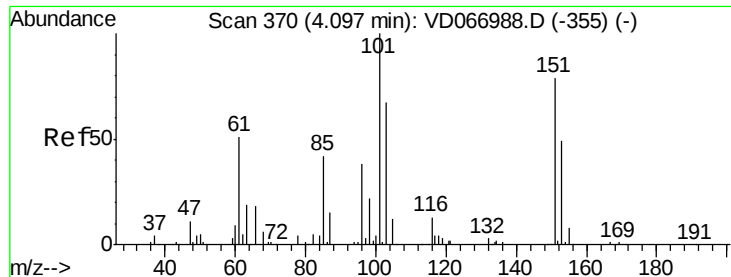


#8

Diethyl Ether
 Concen: 20.257 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.3	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.487 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

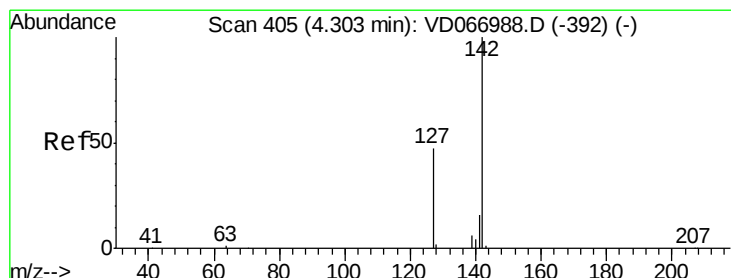
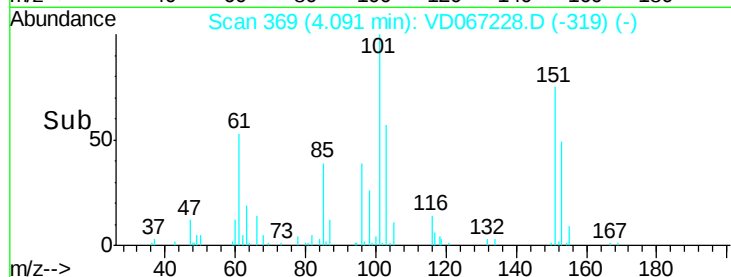
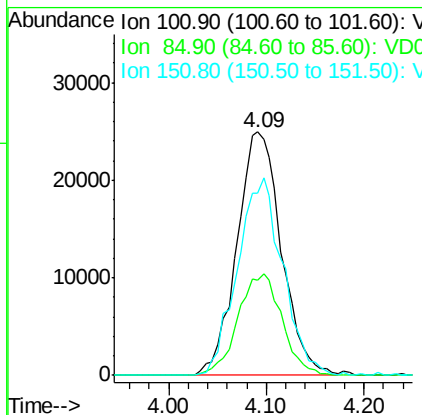
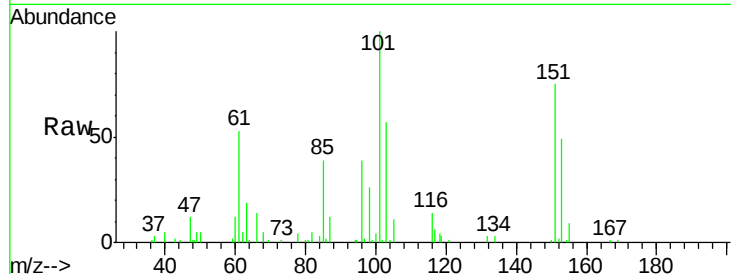
ClientSampleId :

VD1012SBS01

Tot Ion:	101	Resp:	79467
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.8	50.8
151	82.5	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 17.694 ug/l

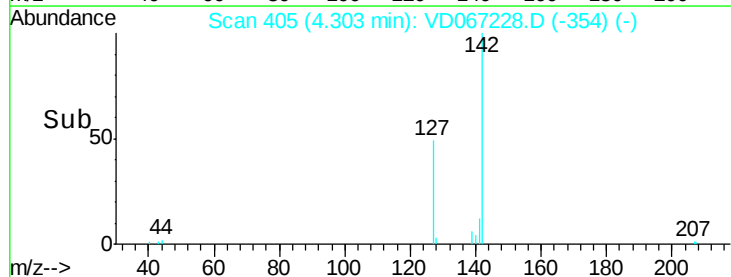
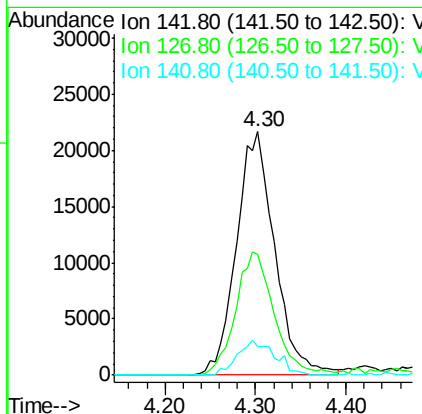
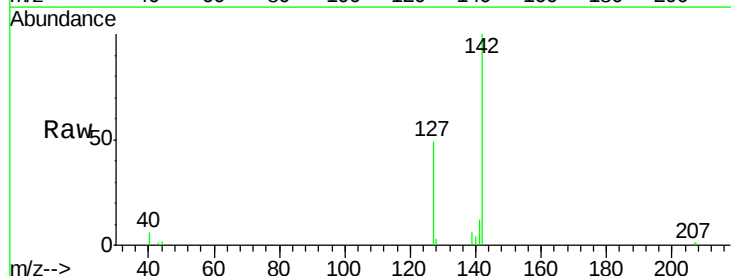
RT: 4.30 min Scan# 405

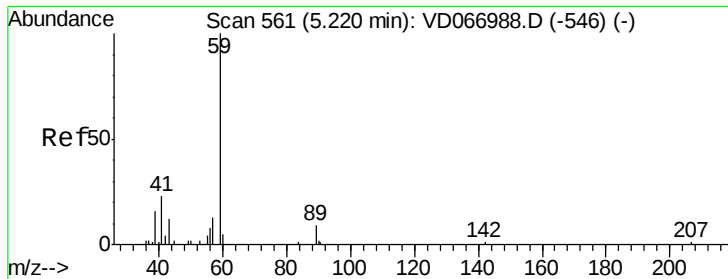
Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Tgt Ion:	142	Resp:	63584
Ion Ratio	Lower	Upper	
142	100		
127	50.0	36.3	54.5
141	14.0	12.0	18.0





#11

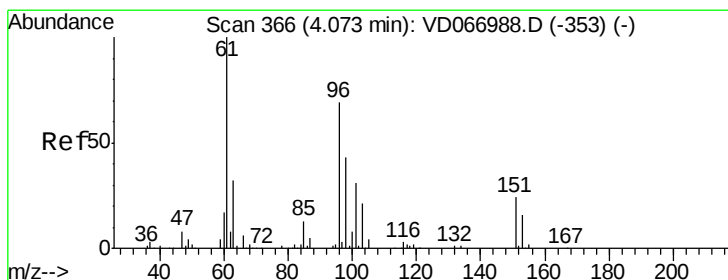
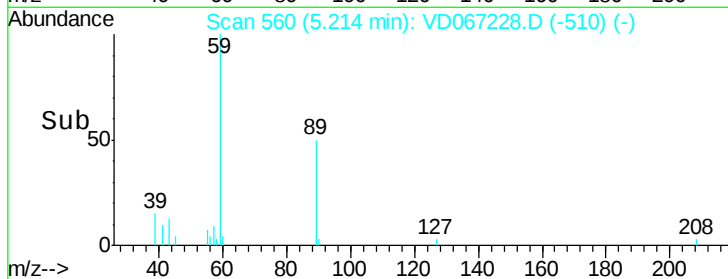
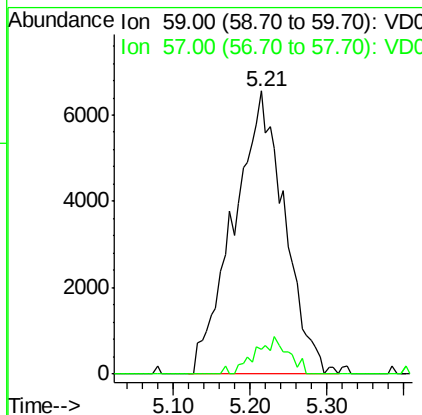
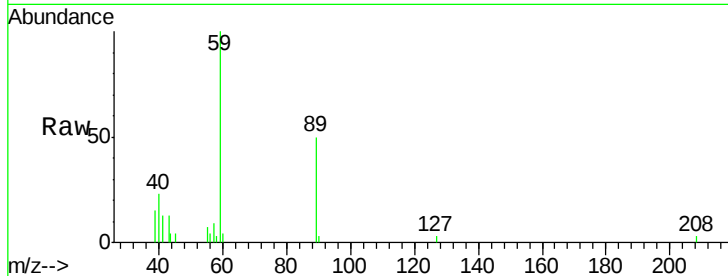
Tert butyl alcohol
Concen: 119.366 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.3	8.2	12.4

Manual Integrations
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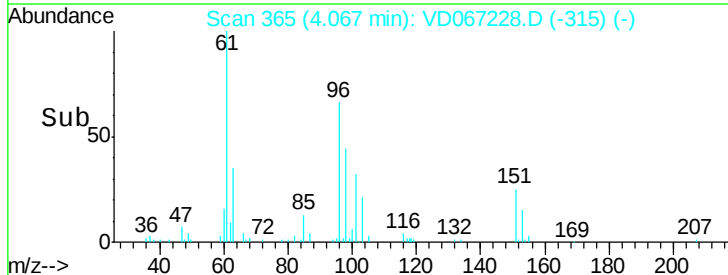
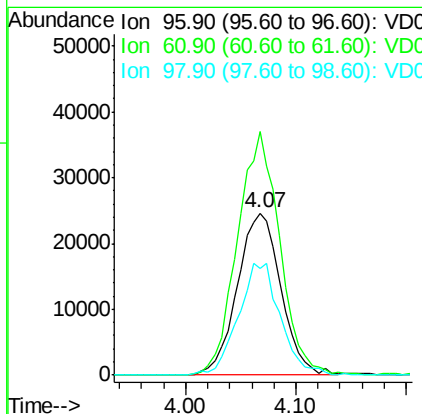
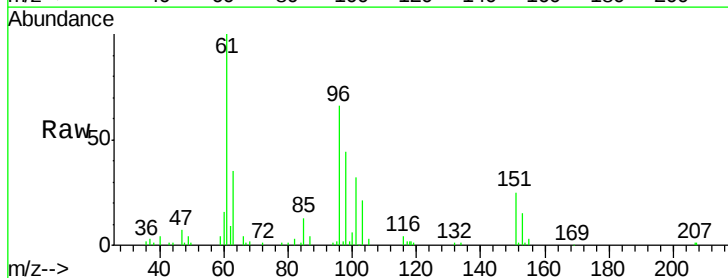
MMDadoda
10/13/2020 1:52:22 PM

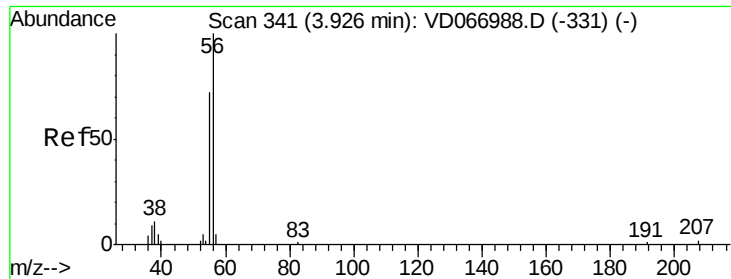


#12

1,1-Dichloroethene
Concen: 19.600 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	116.4	174.6
98	66.3	49.9	74.9





#13

Acrolein

Concen: 69.009 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 56 Resp: 16415

Ion Ratio Lower Upper

56 100

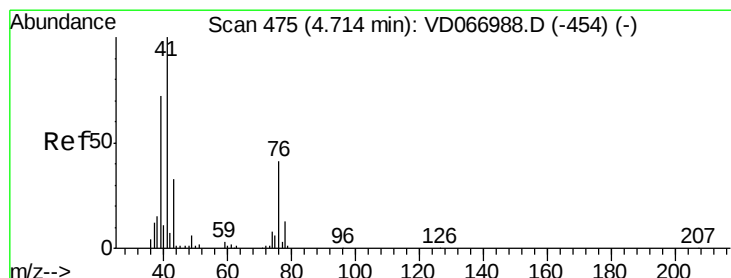
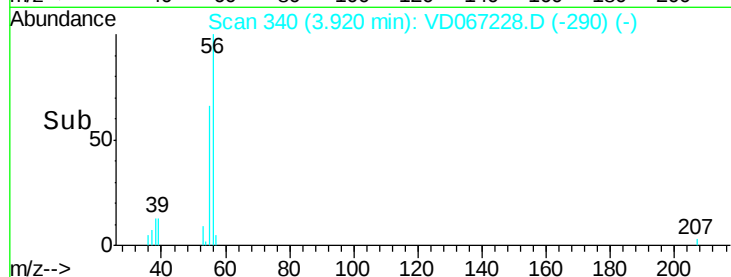
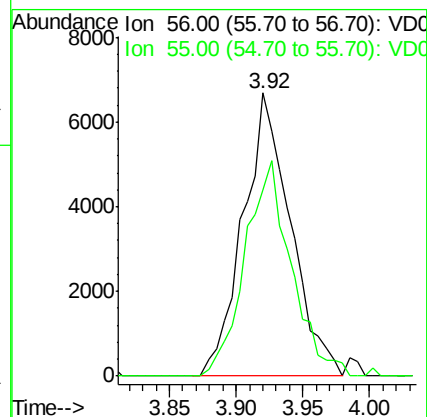
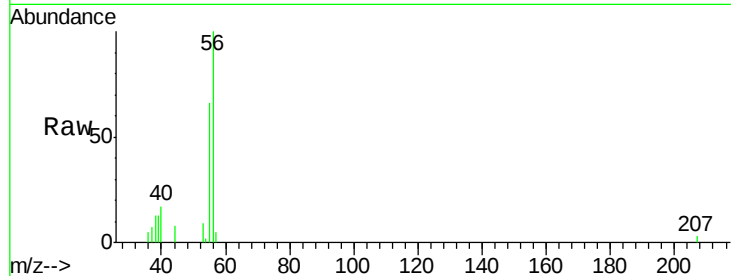
55 74.5 56.9 85.3

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 17.643 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

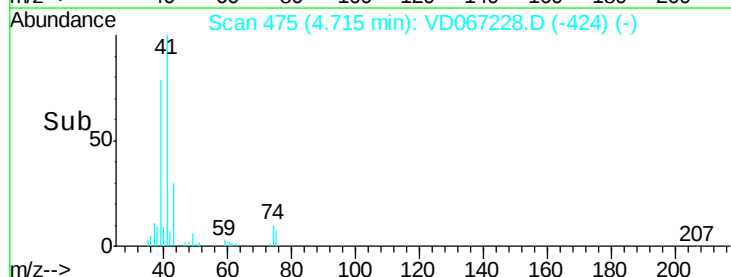
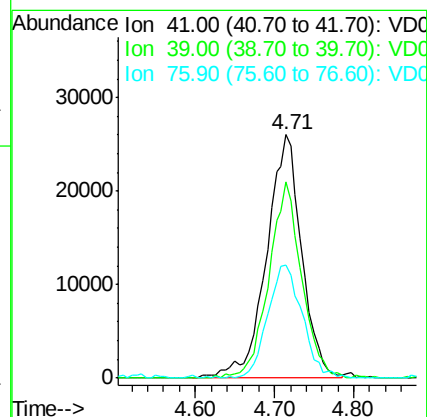
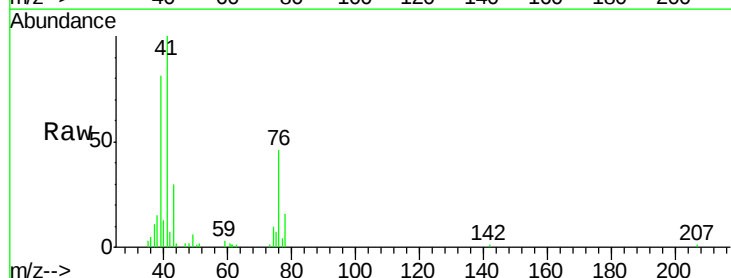
Tgt Ion: 41 Resp: 79685

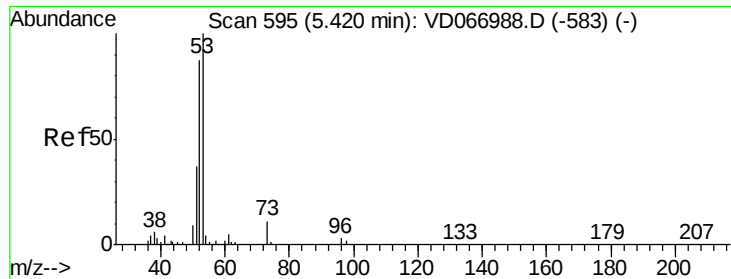
Ion Ratio Lower Upper

41 100

39 75.5 56.2 84.2

76 46.0 34.2 51.2





#15

Acrylonitrile

Concen: 95.792 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

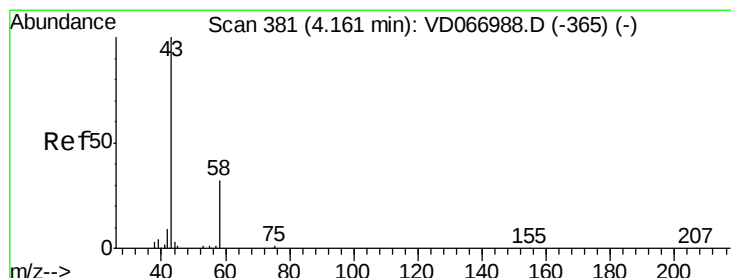
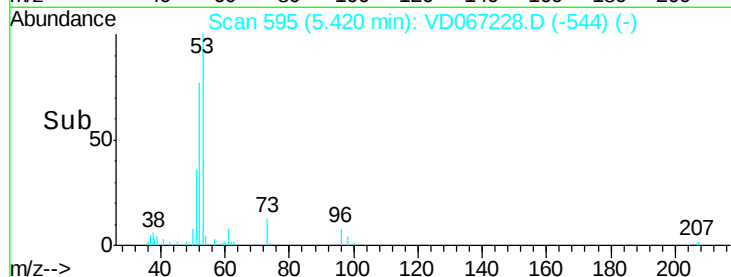
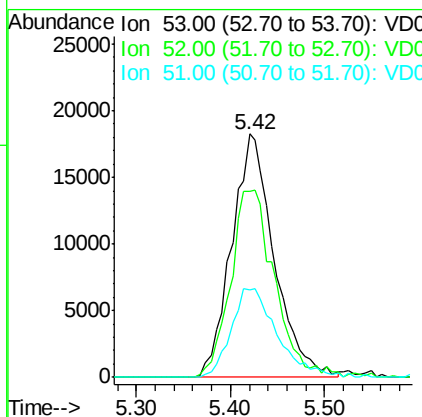
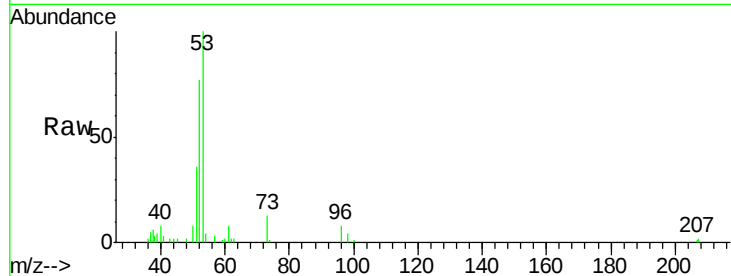
ClientSampleId :

VD1012SBS01

Tot Ion:	53	Resp:	57205
Ion	Ratio	Lower	Upper
53	100		
52	79.9	67.3	100.9
51	39.6	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 107.995 ug/l

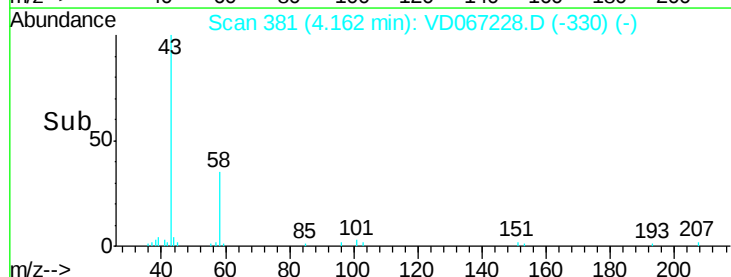
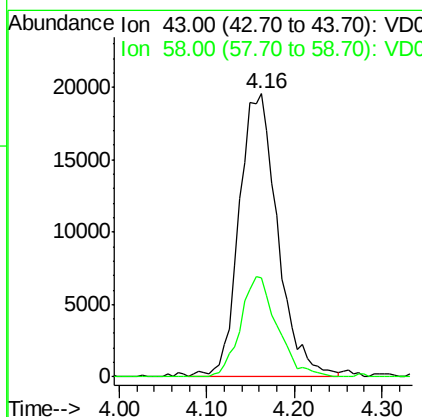
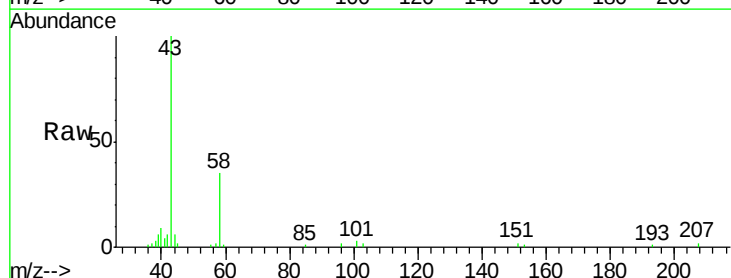
RT: 4.16 min Scan# 381

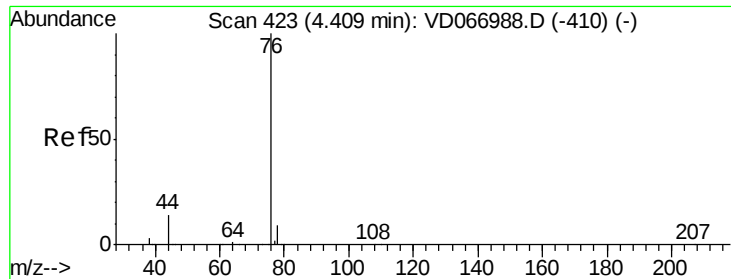
Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Tgt Ion:	43	Resp:	58563
Ion	Ratio	Lower	Upper
43	100		
58	34.8	25.9	38.9





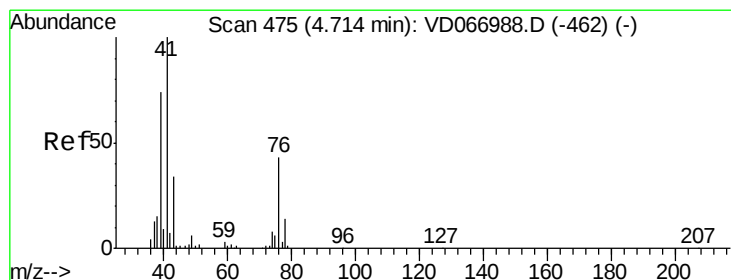
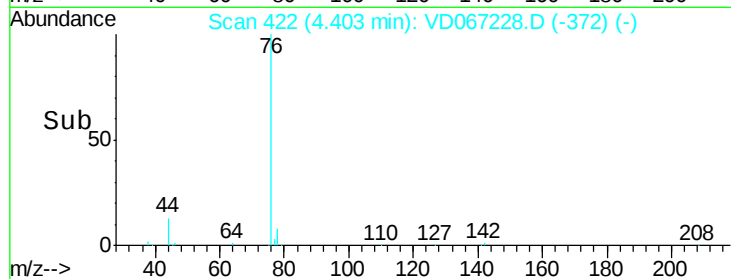
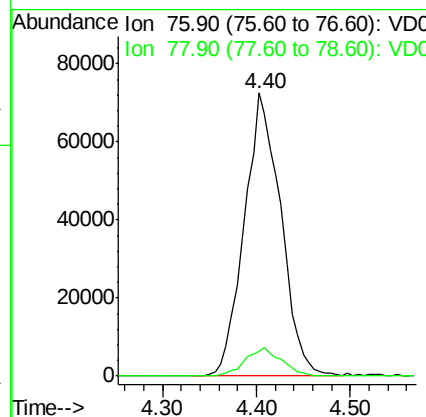
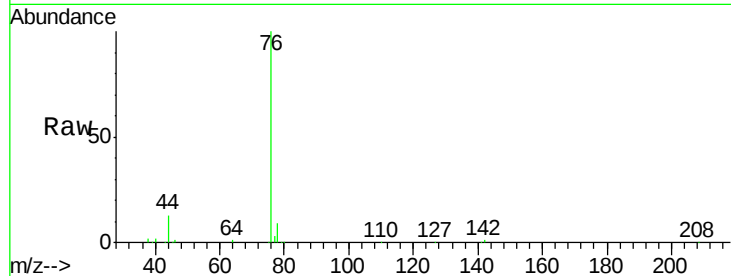
#17
Carbon Disulfide
Concen: 18.323 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.5	11.3

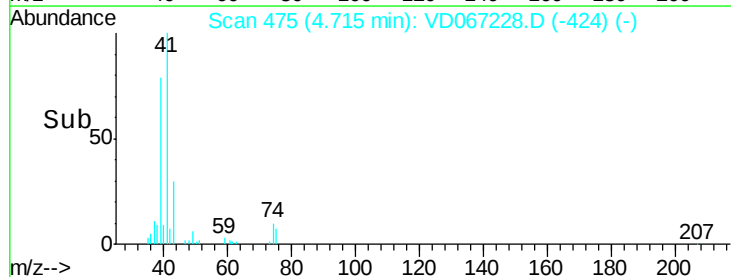
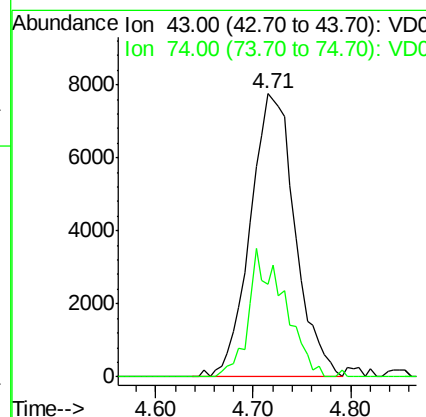
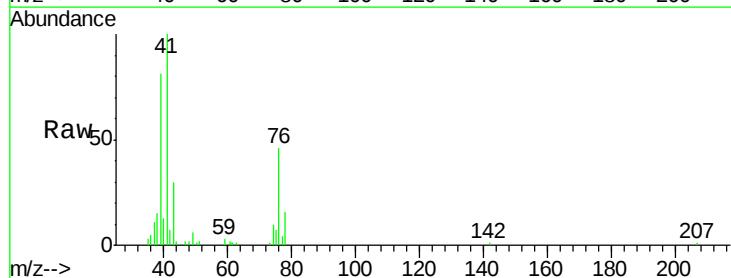
Manual Integrations
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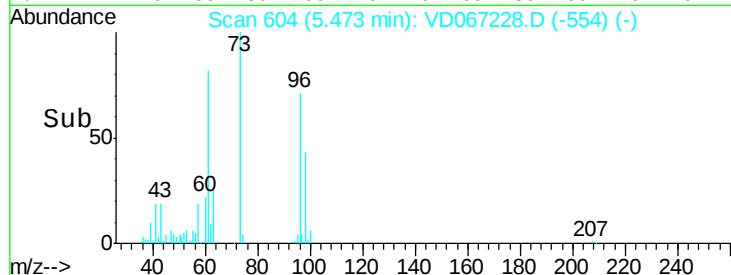
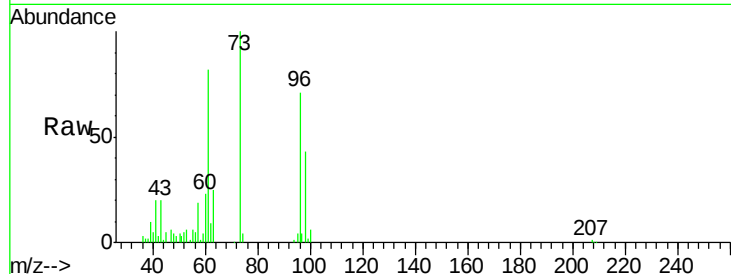
MMDadoda
10/13/2020 1:52:22 PM



#18
Methyl Acetate
Concen: 18.262 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	36.2	21.5	32.3#





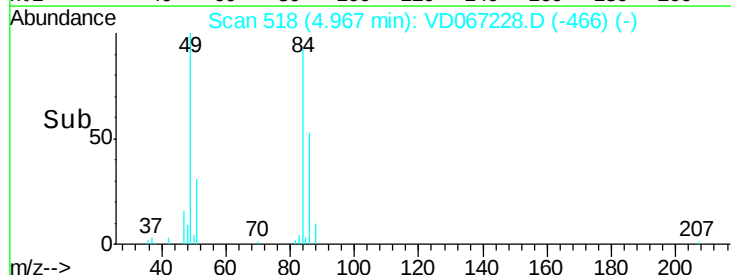
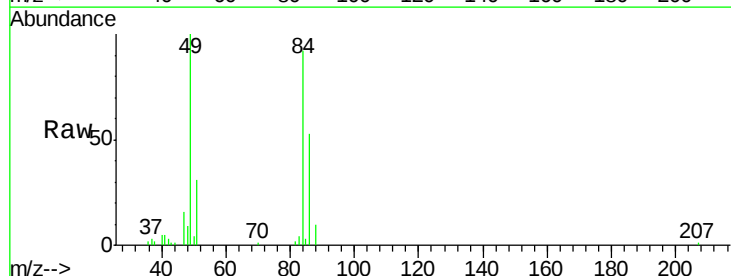
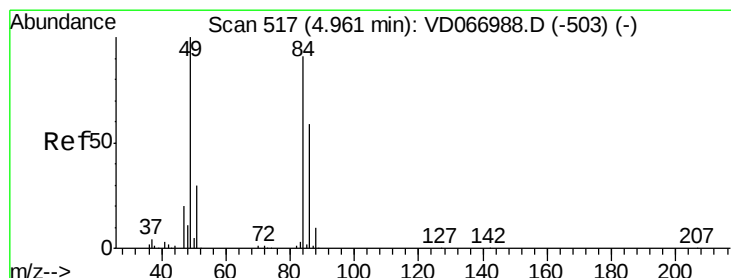
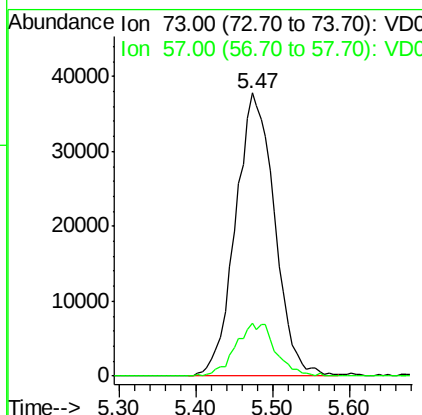
#19
Methyl tert-butyl Ether
Concen: 21.159 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tot Ion	73	Resp	134291
Ion Ratio	100	Lower	Upper
57	18.8	17.4	26.0

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

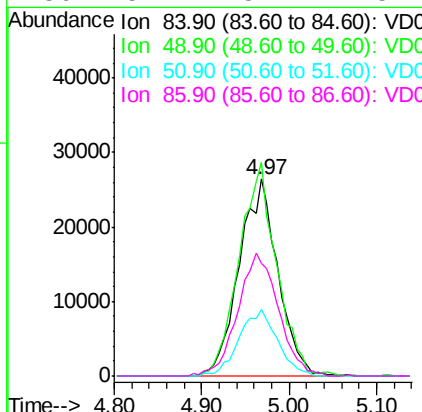
Manual Integrations
APPROVED

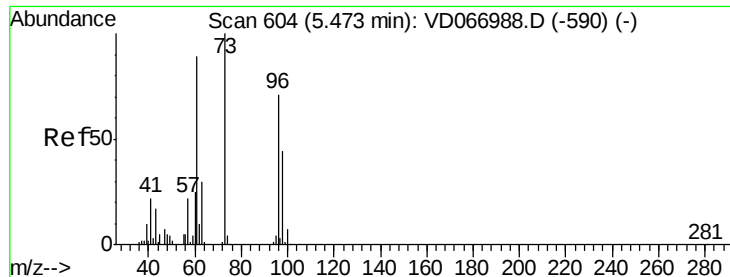
MMDadoda
10/13/2020 1:52:22 PM



#20
Methylene Chloride
Concen: 15.745 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	84	Resp	79767
Ion Ratio	100	Lower	Upper
49	108.6	88.2	132.2
51	33.7	26.6	39.8
86	57.4	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 19.729 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

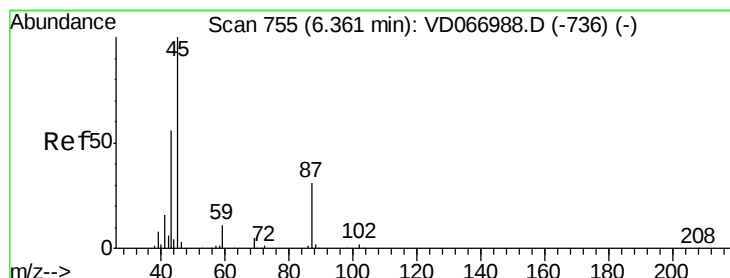
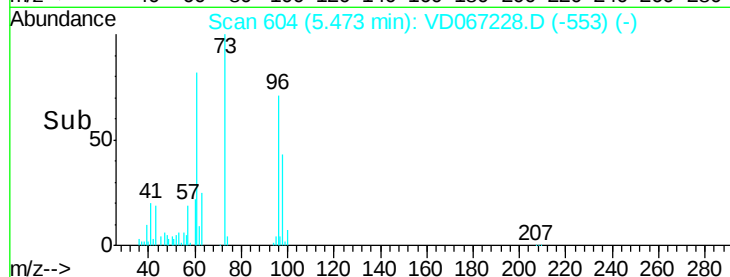
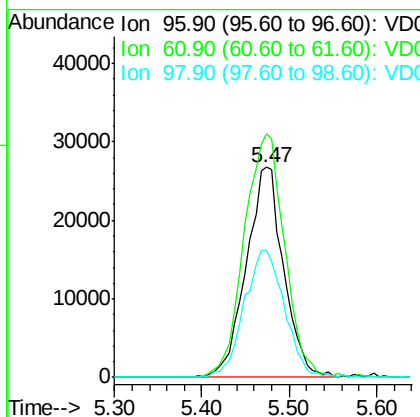
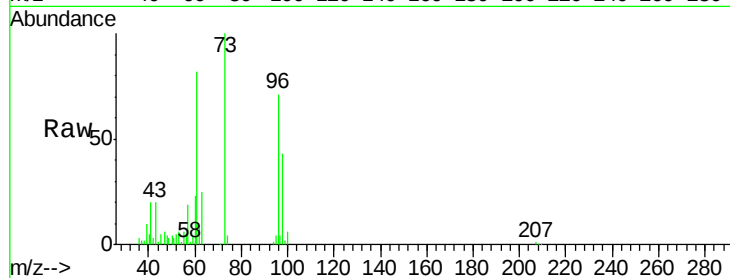
ClientSampleId :

VD1012SBSD01

Tot Ion:	96	Resp:	78062
Ion	Ratio	Lower	Upper
96	100		
61	115.9	99.6	149.4
98	60.4	49.4	74.2

Manual Integrations
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10/13/2020 1:52:22 PM



#22

Diisopropyl ether

Concen: 18.396 ug/l

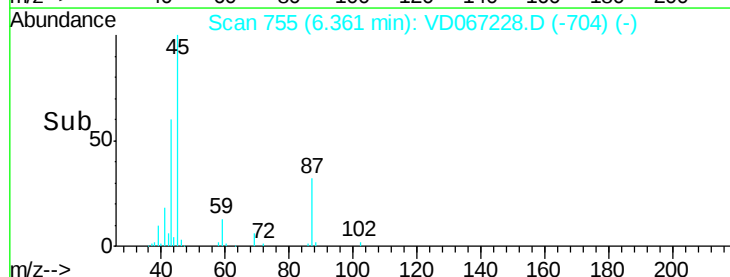
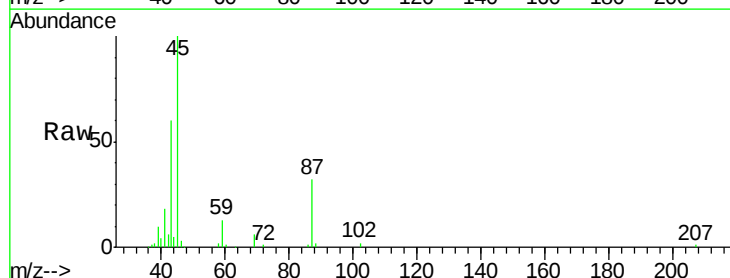
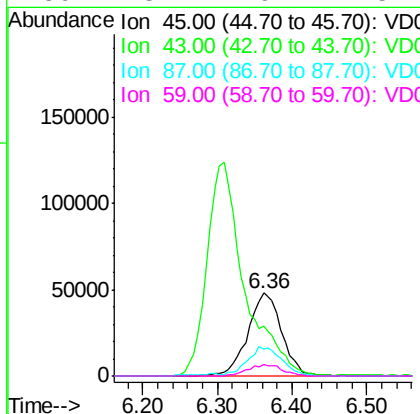
RT: 6.36 min Scan# 755

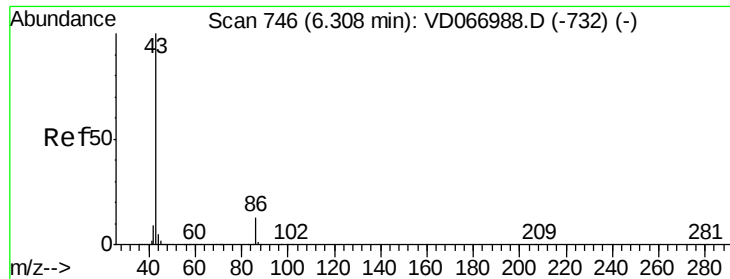
Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Tgt Ion:	45	Resp:	151689
Ion	Ratio	Lower	Upper
45	100		
43	58.9	45.2	67.8
87	32.5	25.6	38.4
59	13.4	9.1	13.7





#23

Vinyl Acetate

Concen: 92.082 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 43 Resp: 430252

Ion Ratio Lower Upper

43 100

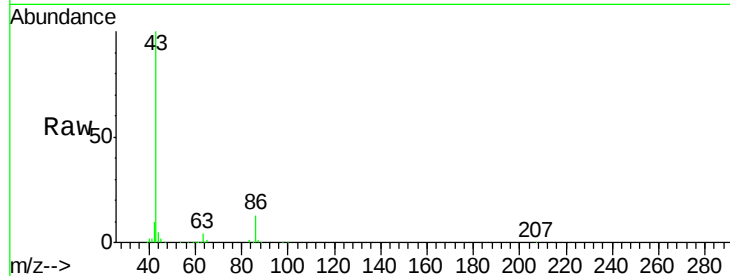
86 13.4 10.2 15.2

Manual Integrations

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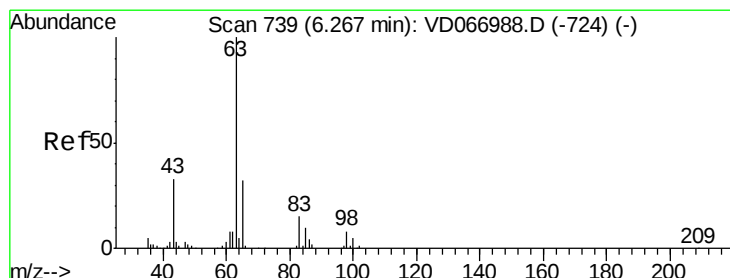
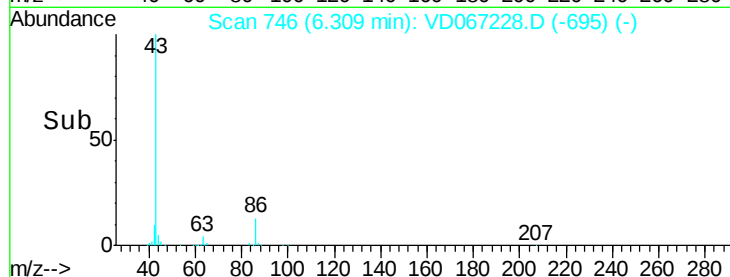
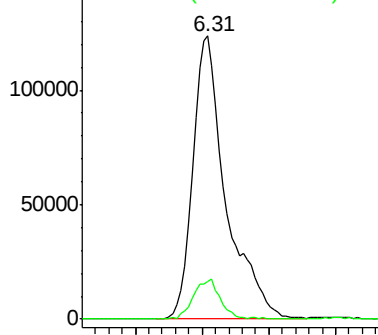
MMDadoda

10/13/2020 1:52:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.127 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

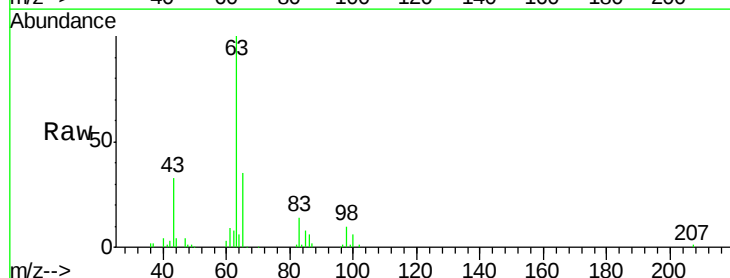
Tgt Ion: 63 Resp: 121713

Ion Ratio Lower Upper

63 100

98 9.5 4.2 12.6

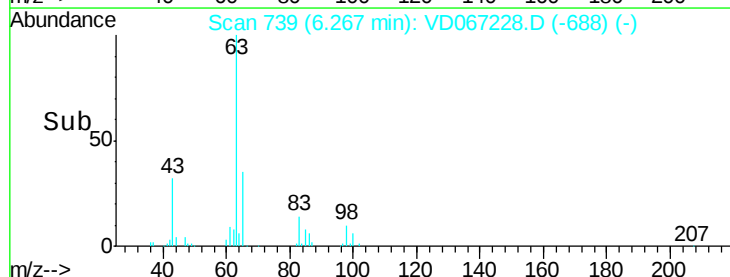
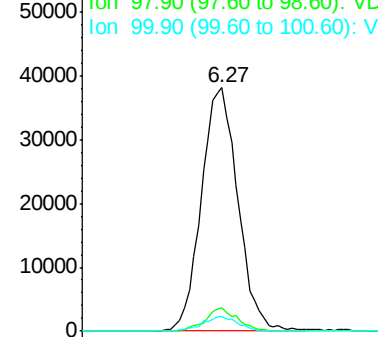
100 5.9 2.6 7.8

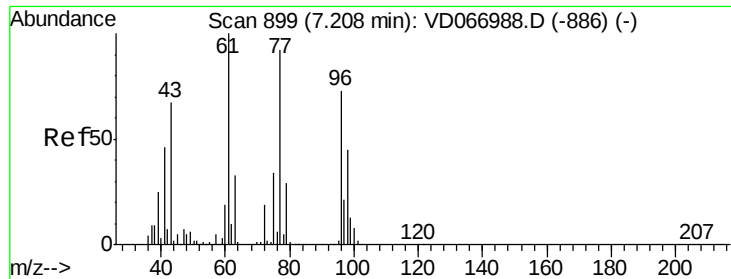


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





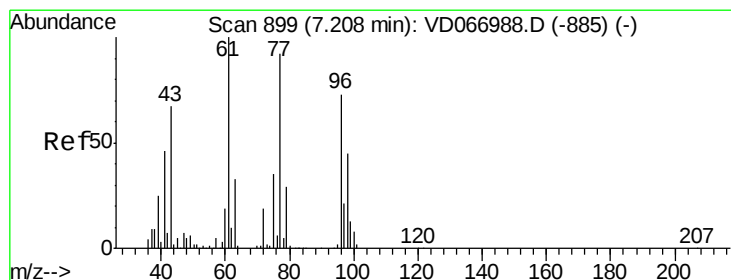
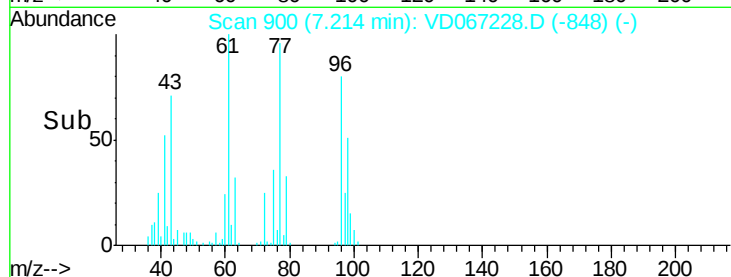
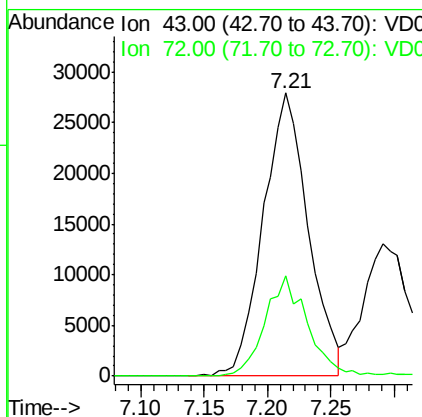
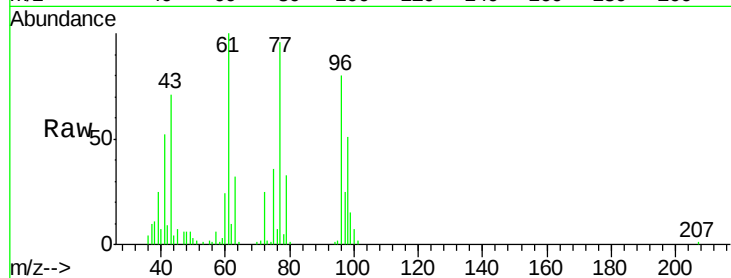
#25
2-Butanone
Concen: 89.747 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion: 43 Resp: 68999
Ion Ratio Lower Upper
43 100
72 35.4 22.8 34.2#

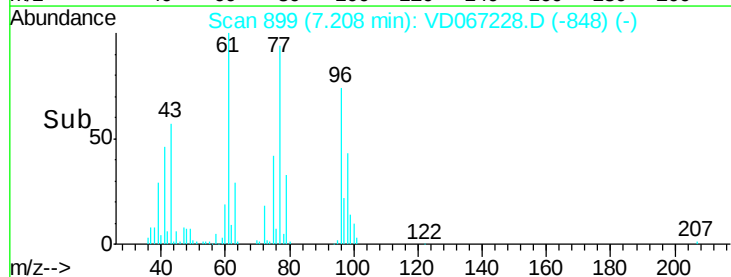
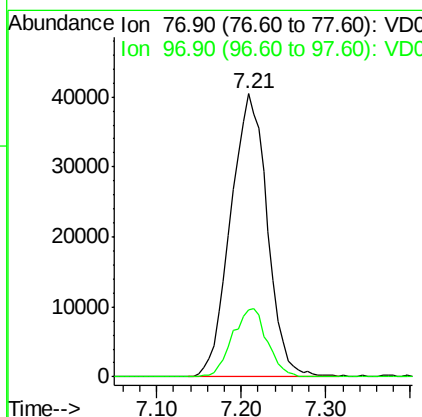
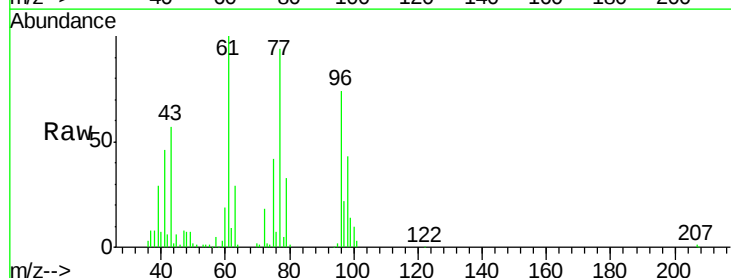
Manual Integrations
APPROVED

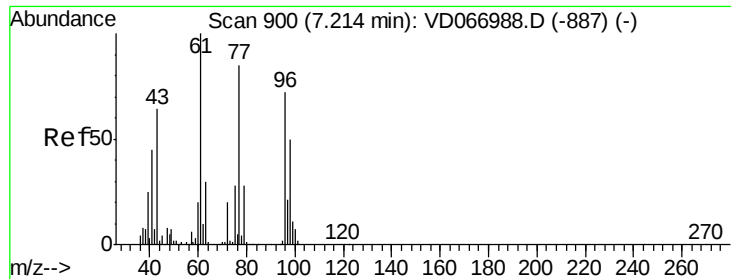
MMDadoda
10/13/2020 1:52:22 PM



#26
2,2-Dichloropropane
Concen: 19.920 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion: 77 Resp: 121896
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.2





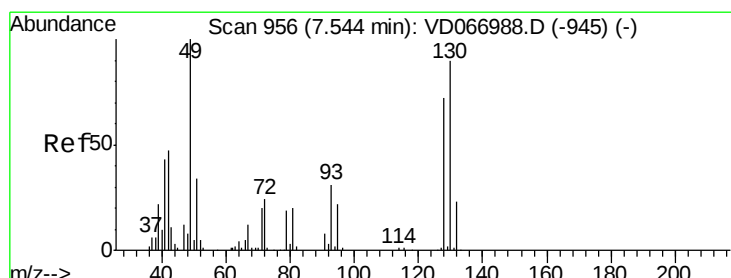
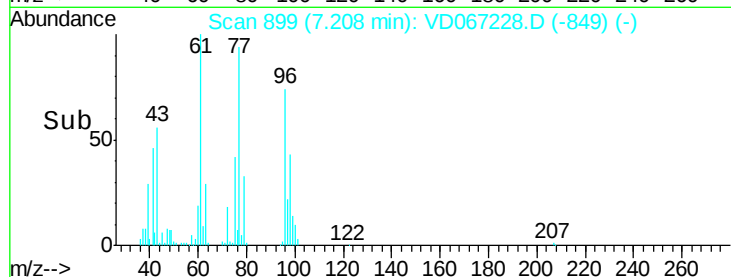
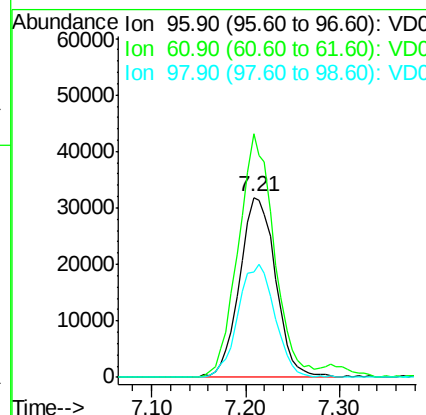
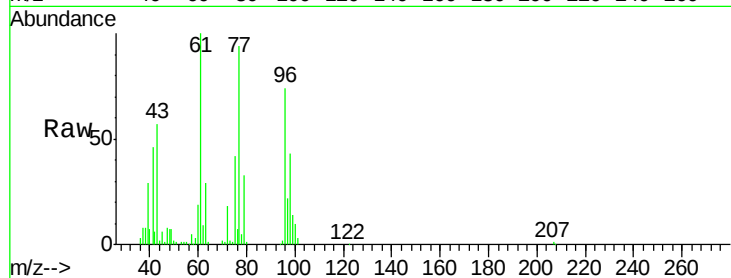
#27
 cis-1,2-Dichloroethene
 Concen: 20.067 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.2	0.0	269.2
98	64.1	0.0	129.4

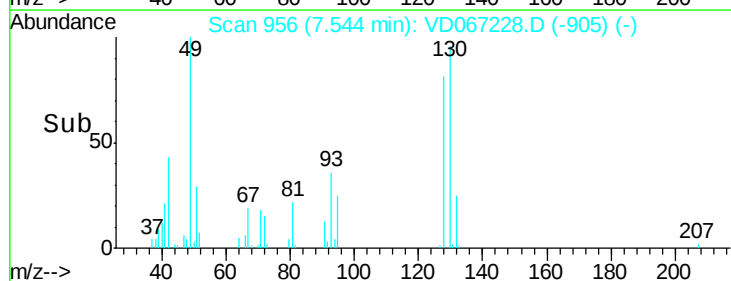
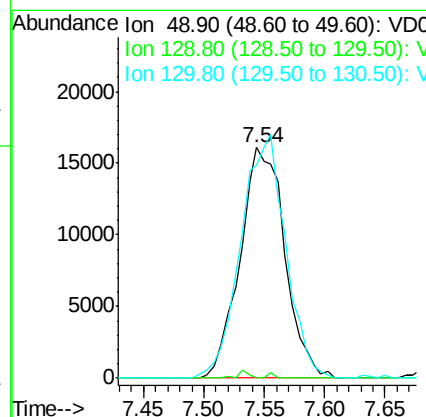
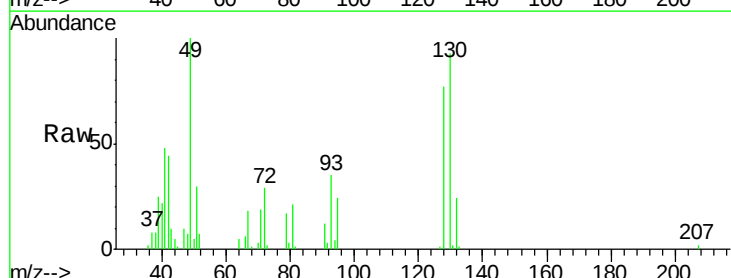
Manual Integrations
 APPROVED

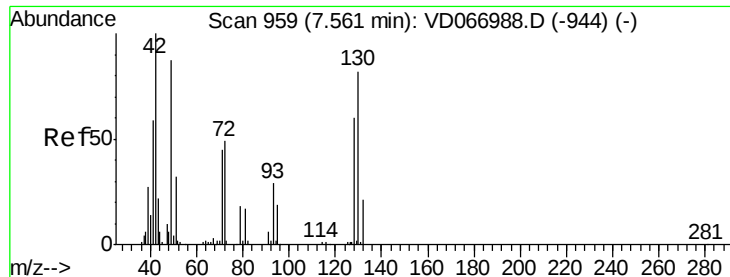
MMDadoda
 10/13/2020 1:52:22 PM



#28
 Bromochloromethane
 Concen: 16.843 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.3	0.0	4.6
130	105.6	74.1	111.1





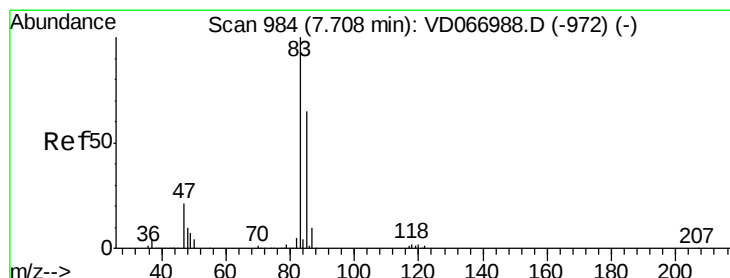
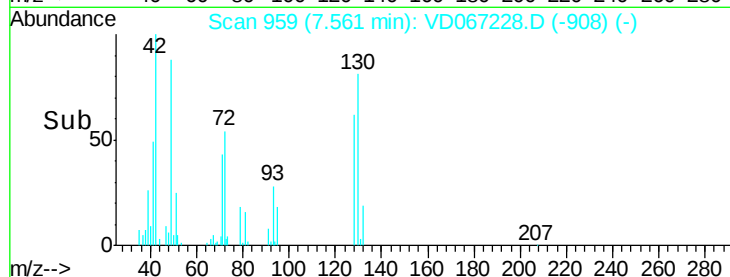
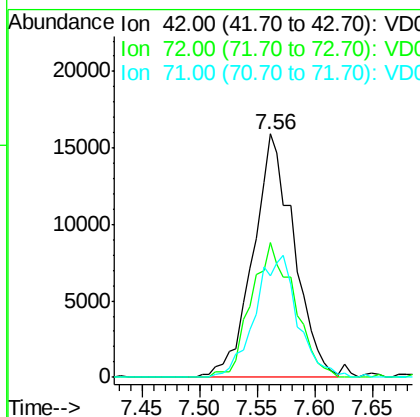
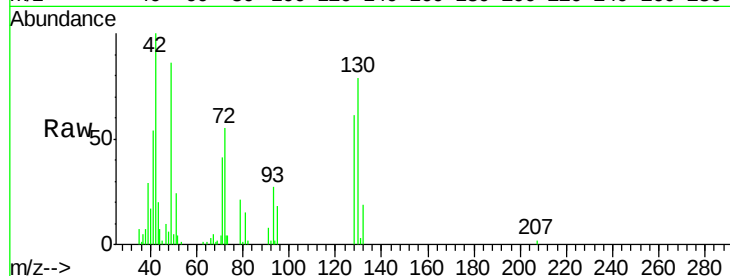
#29
Tetrahydrofuran
Concen: 88.761 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	58.4	39.1	58.7
71	51.8	34.2	51.4

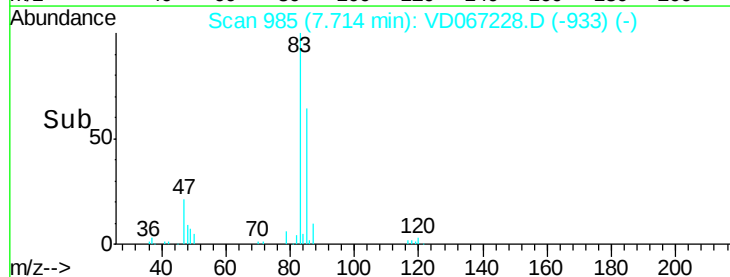
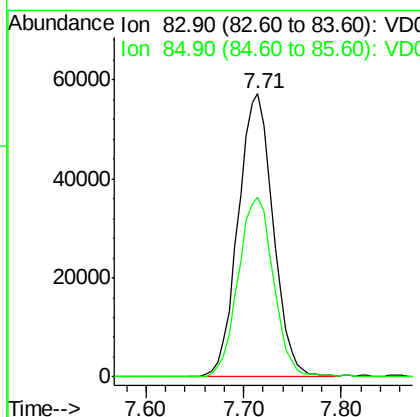
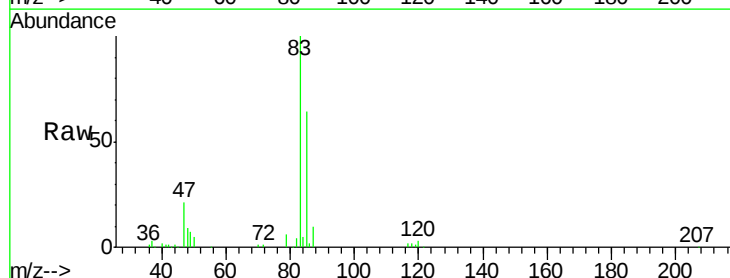
Manual Integrations
APPROVED

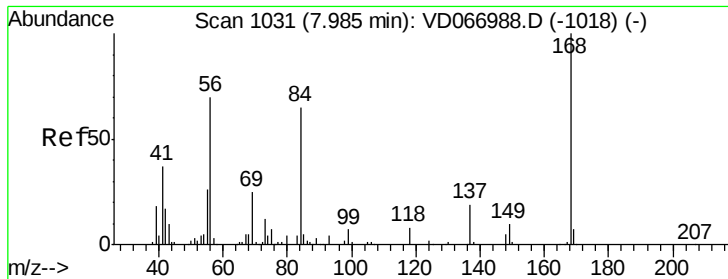
MMDadoda
10/13/2020 1:52:22 PM



#30
Chloroform
Concen: 20.647 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.3	78.5





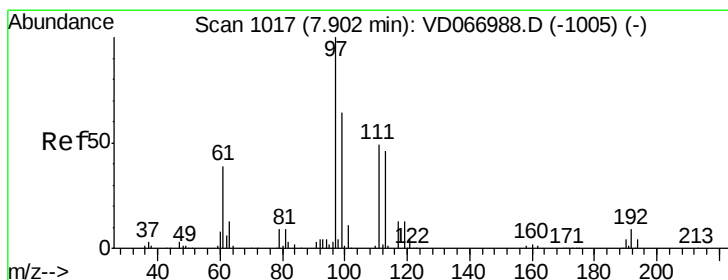
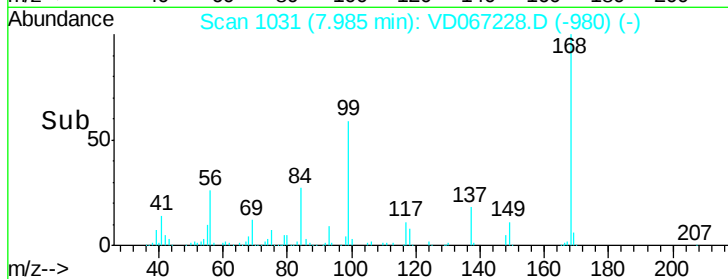
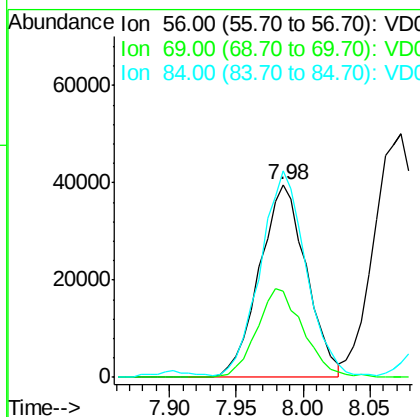
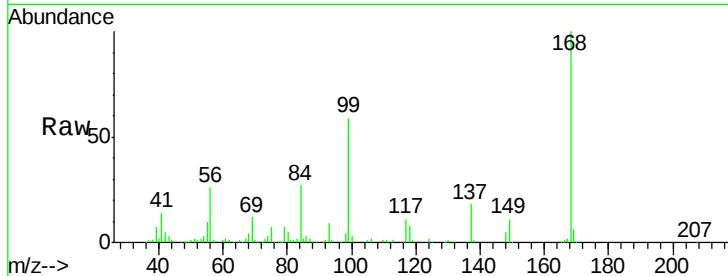
#31
Cyclohexane
Concen: 18.159 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	45.0	29.0	43.6#
84	104.8	74.2	111.2

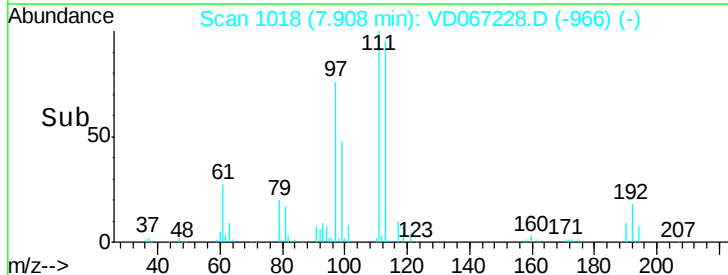
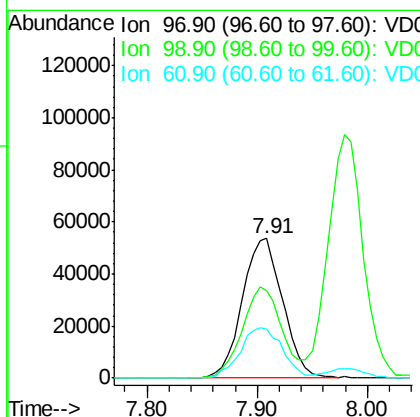
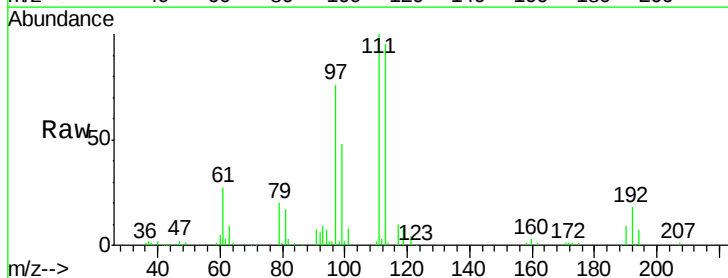
Manual Integrations
APPROVED

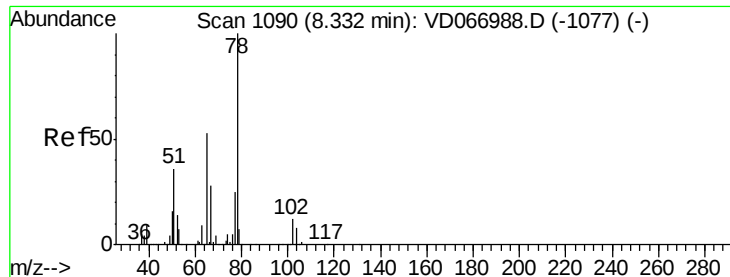
MMDadoda
10/13/2020 1:52:22 PM



#32
1,1,1-Trichloroethane
Concen: 21.577 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.6	78.8
61	37.6	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 49.034 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBSD01

Tot Ion: 65 Resp: 174187

Ion Ratio Lower Upper

65 100

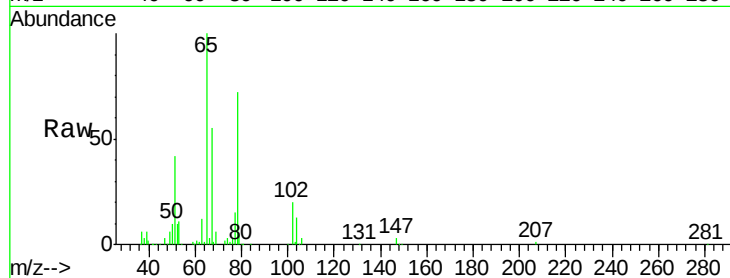
67 52.5 0.0 106.8

Manual Integrations

APPROVED

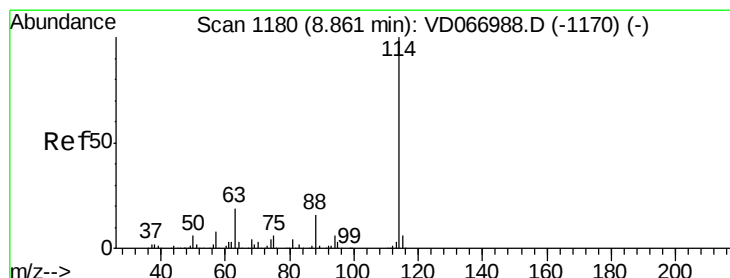
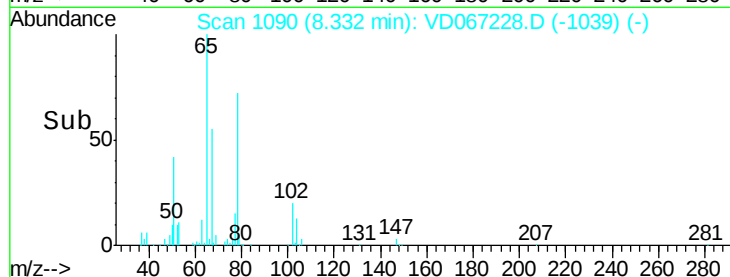
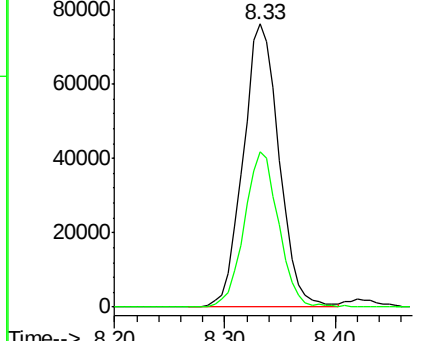
MMDadoda

10/13/2020 1:52:22 PM



Abundance Ion 64.90 (64.60 to 65.60): VD066988.D (-1077) (-)

Ion 66.90 (66.60 to 67.60): VD066988.D (-1077) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

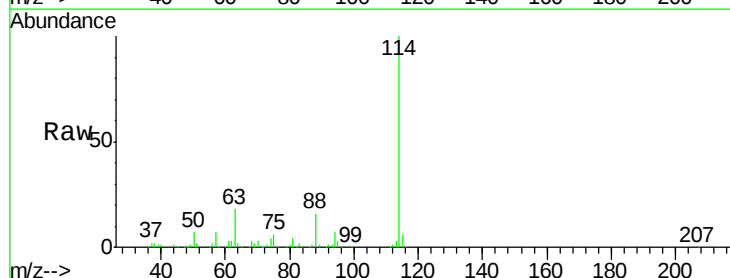
Tgt Ion: 114 Resp: 545201

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

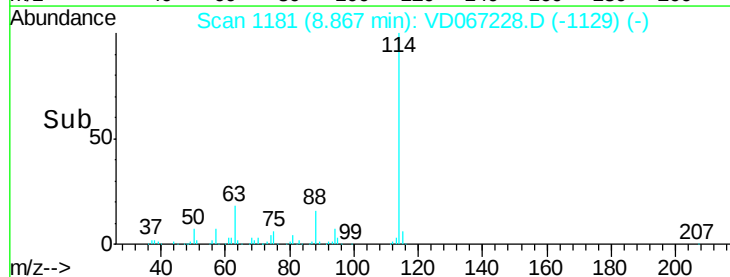
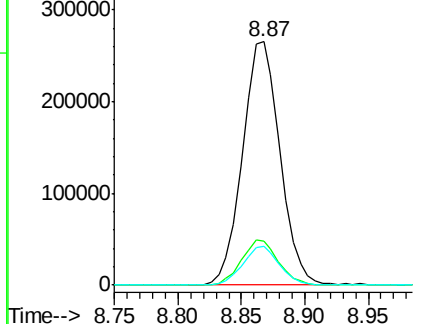
88 16.1 0.0 31.2

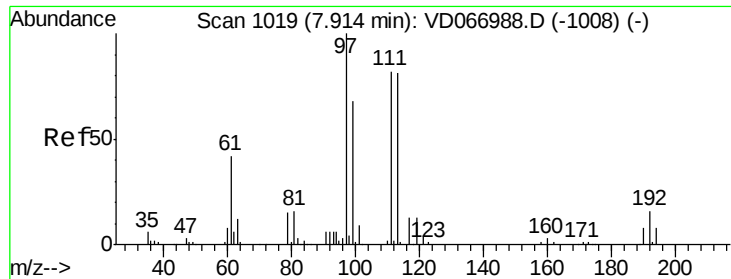


Abundance Ion 113.90 (113.60 to 114.60): VD066988.D (-1170) (-)

Ion 63.00 (62.70 to 63.70): VD066988.D (-1170) (-)

Ion 87.90 (87.60 to 88.60): VD066988.D (-1170) (-)





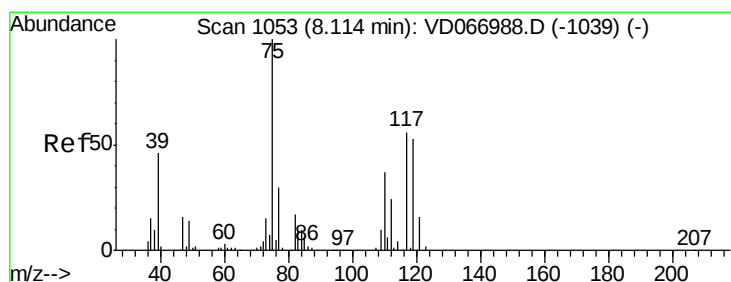
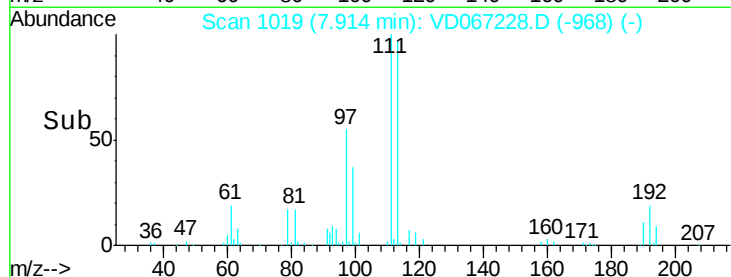
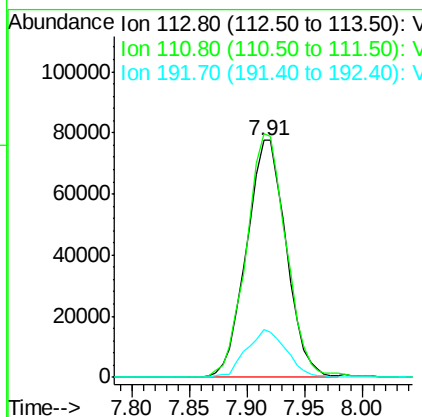
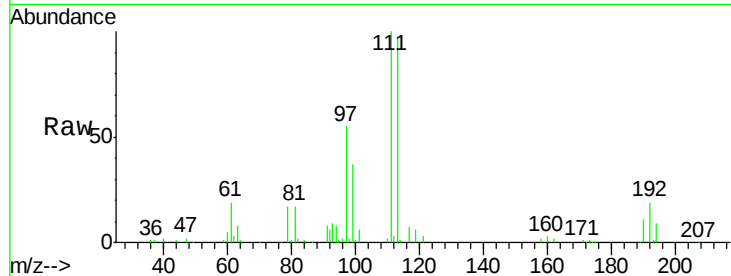
#35
Dibromofluoromethane
Concen: 52.278 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	186599		
111	103.2	83.0	124.4	
192	20.3	15.5	23.3	

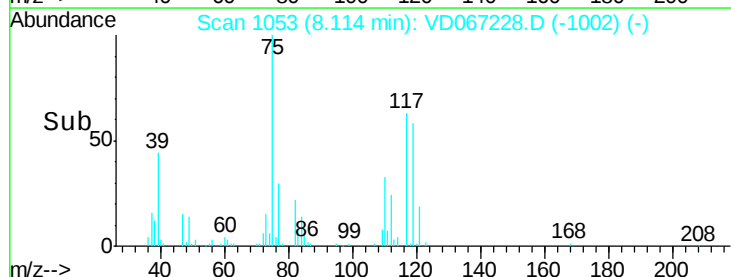
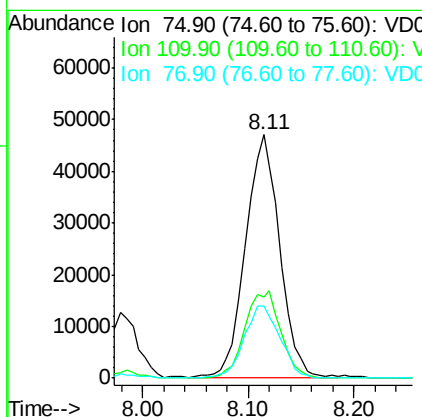
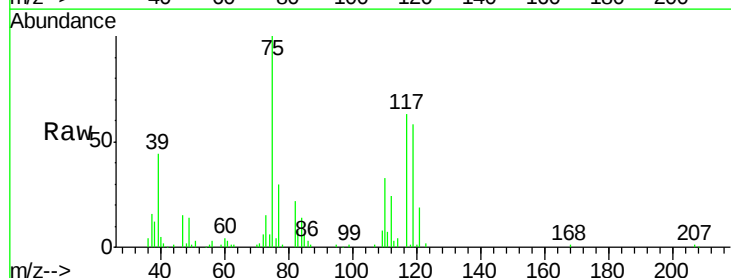
Manual Integrations
APPROVED

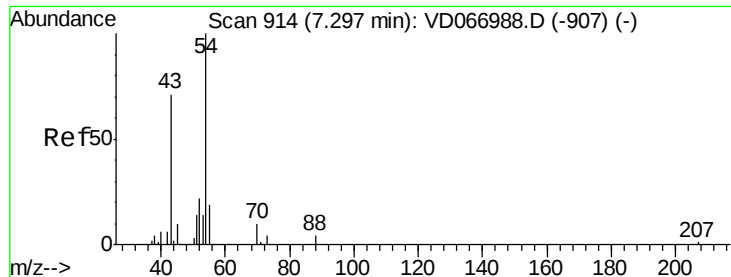
MMDadoda
10/13/2020 1:52:22 PM



#36
1,1-Dichloropropene
Concen: 20.952 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106475		
110	37.4	18.4	55.0	
77	31.2	24.8	37.2	





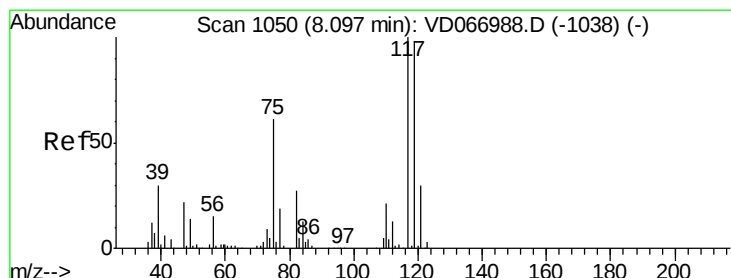
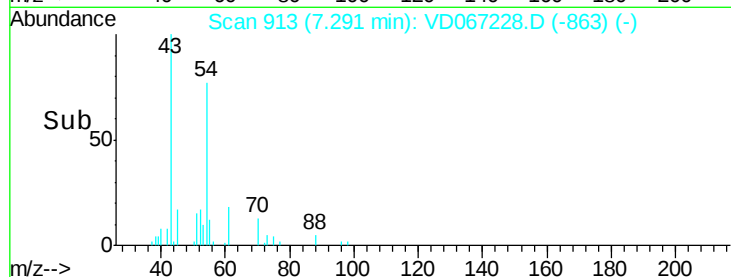
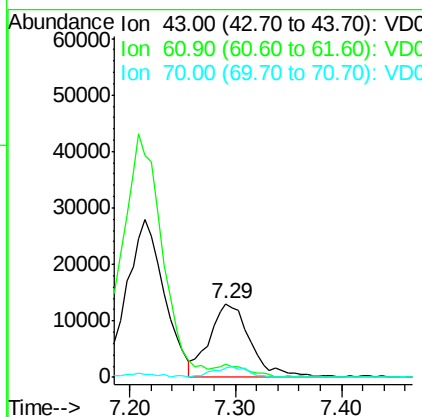
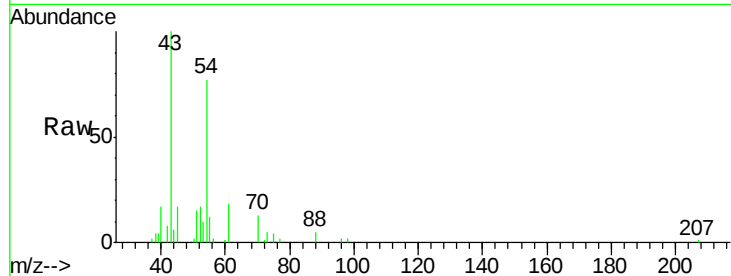
#37
Ethyl Acetate
Concen: 20.003 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.1	12.5	18.7#
70	12.0	9.4	14.0

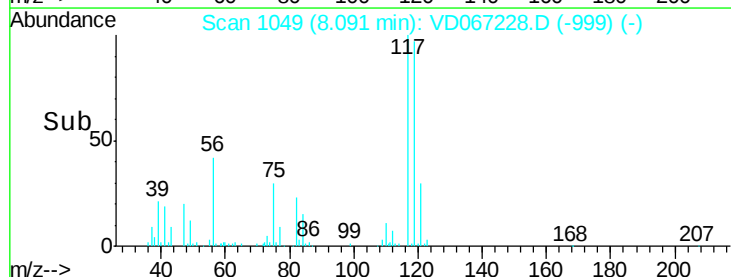
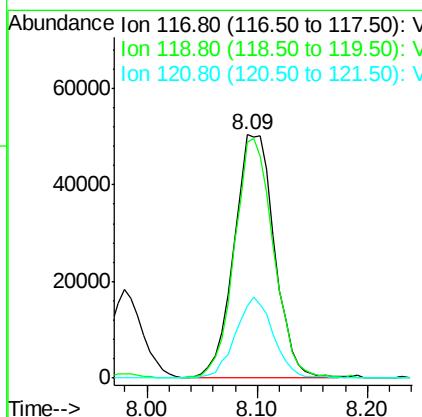
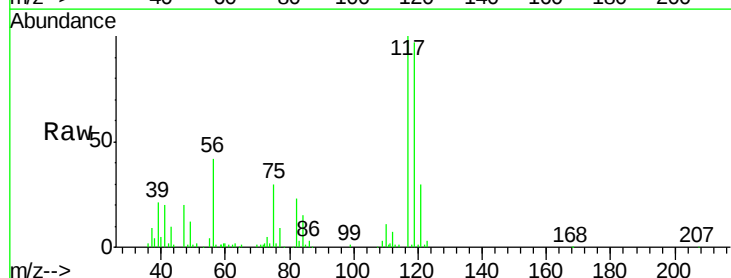
Manual Integrations
APPROVED

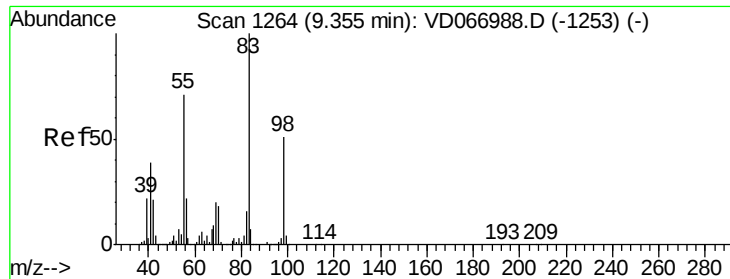
MMDadoda
10/13/2020 1:52:22 PM



#38
Carbon Tetrachloride
Concen: 23.622 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	78.7	118.1
121	29.9	24.2	36.2





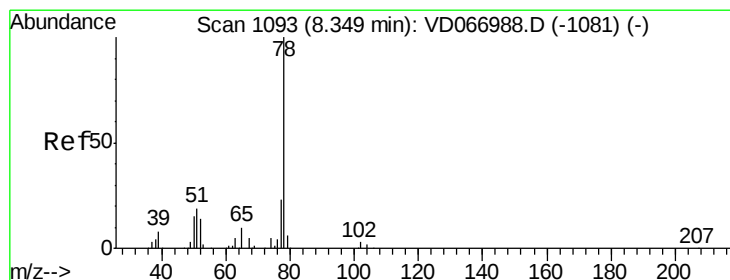
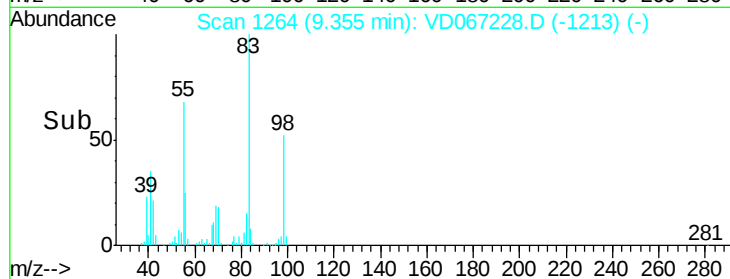
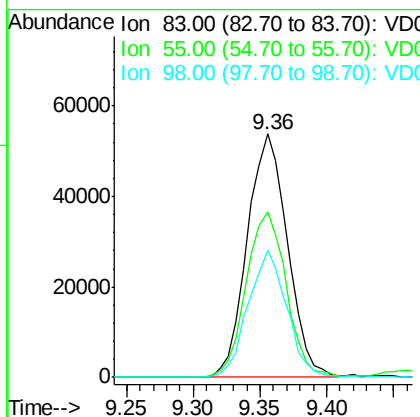
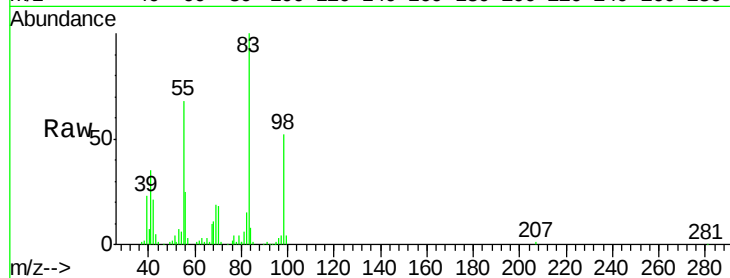
#39
Methvlcvclohexane
Concen: 20.846 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.0	57.1	85.7
98	52.1	40.9	61.3

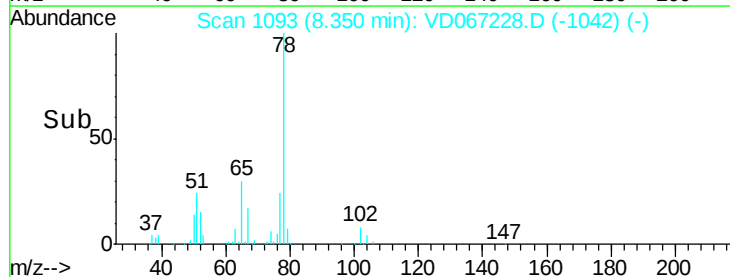
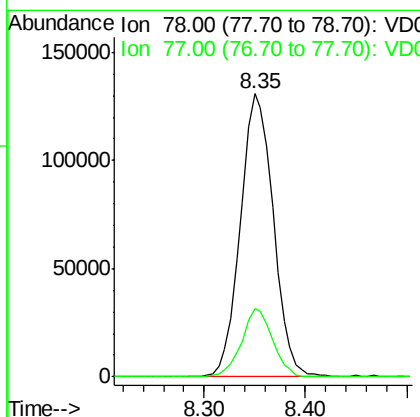
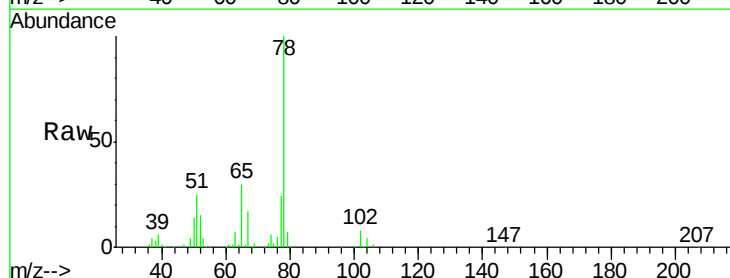
Manual Integrations
APPROVED

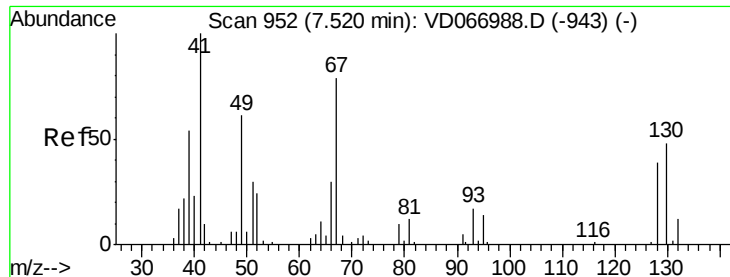
MMDadoda
10/13/2020 1:52:22 PM



#40
Benzene
Concen: 21.009 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.4	27.6





#41

Methacrylonitrile

Concen: 21.535 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 41 Resp: 20482

Ion Ratio Lower Upper

41 100

39 41.2 0.0 0.0#

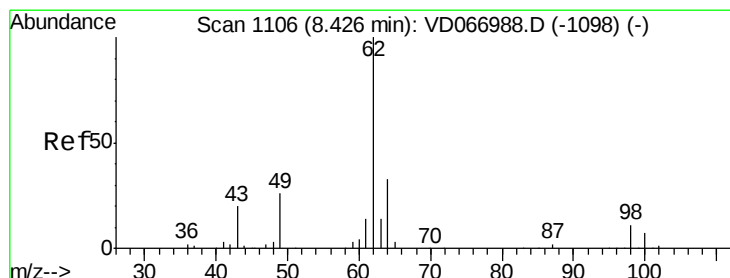
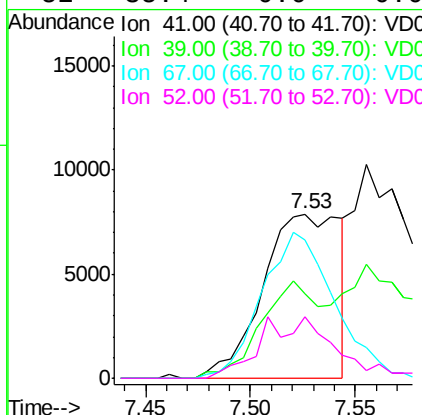
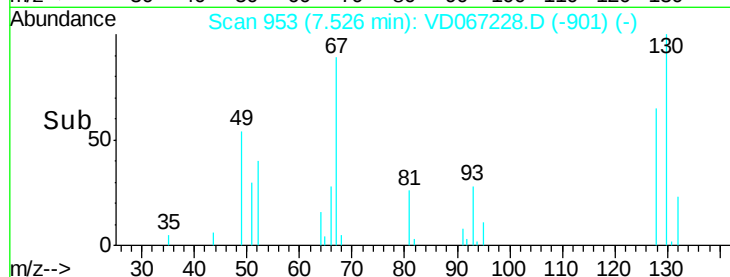
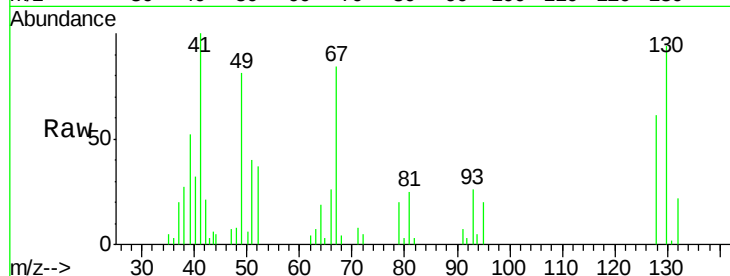
67 82.1 0.0 0.0#

52 35.4 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

10/13/2020 1:52:22 PM



#42

1,2-Dichloroethane

Concen: 21.879 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067228.D

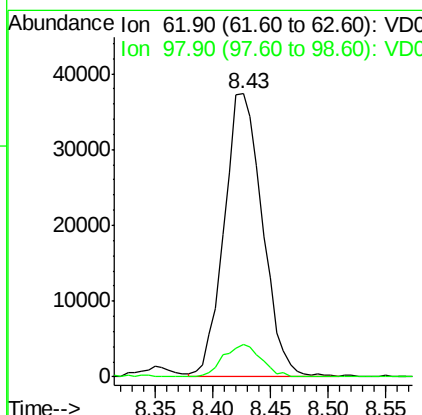
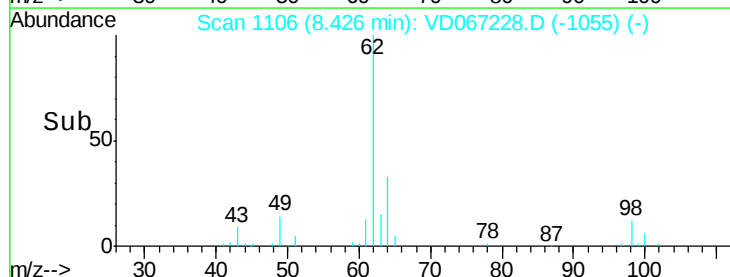
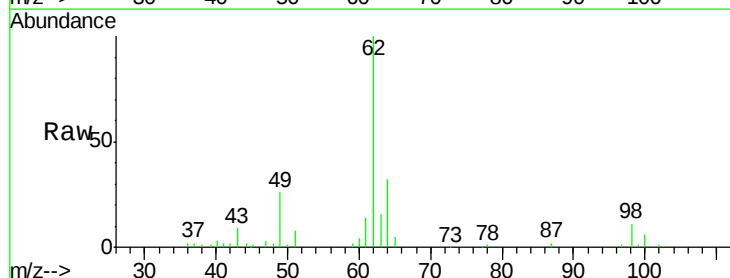
Acq: 12 Oct 2020 12:35

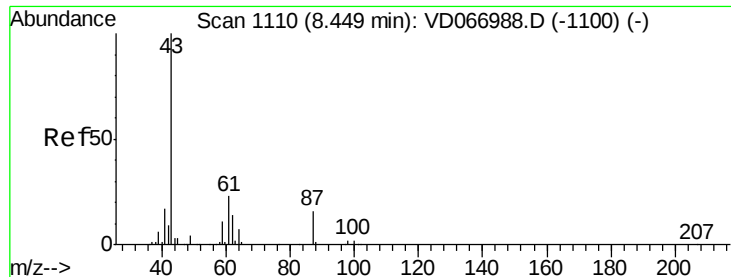
Tgt Ion: 62 Resp: 86295

Ion Ratio Lower Upper

62 100

98 11.2 0.0 22.6





#43

Isopropyl Acetate

Concen: 19.416 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

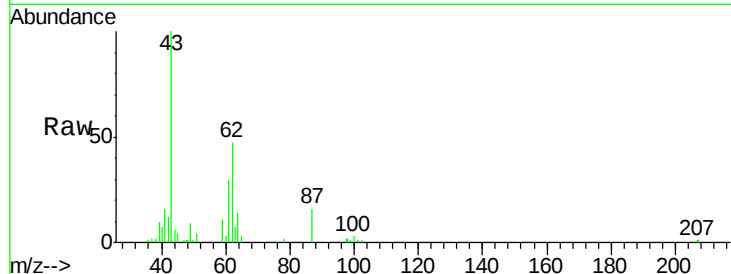
ClientSampleId :

VD1012SBS01

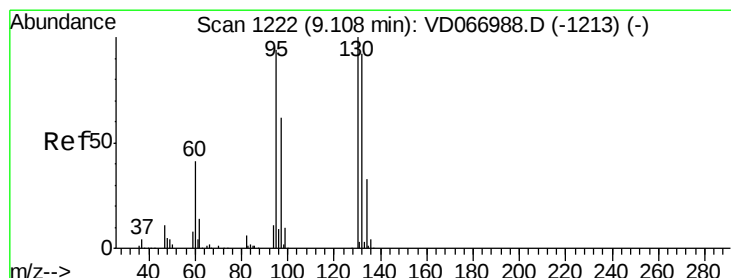
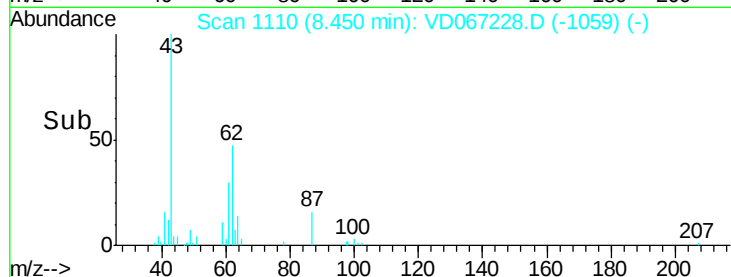
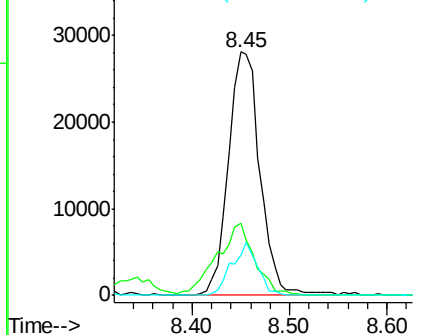
Tot Ion:	43	Resp:	62972
Ion	Ratio	Lower	Upper
43	100		
61	35.4	27.1	40.7
87	17.9	12.3	18.5

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.231 ug/l

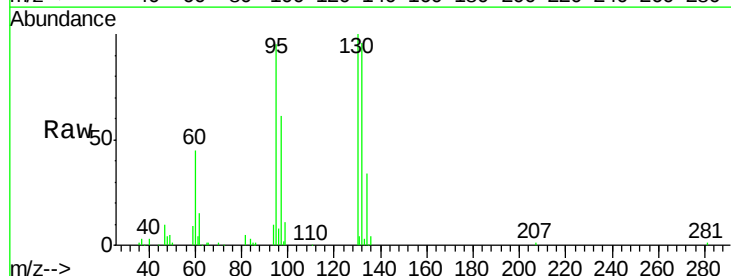
RT: 9.11 min Scan# 1223

Delta R.T. 0.01 min

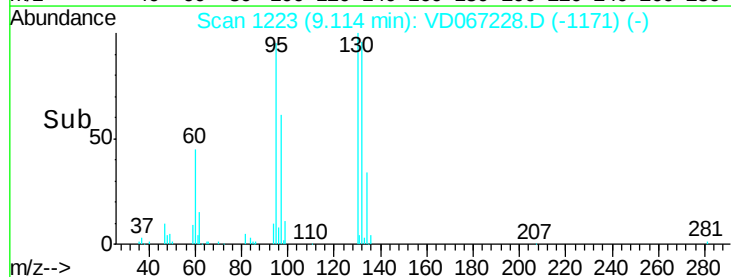
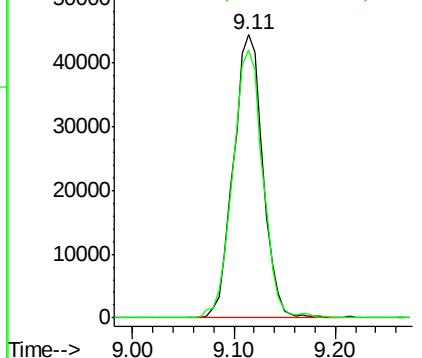
Lab File: VD067228.D

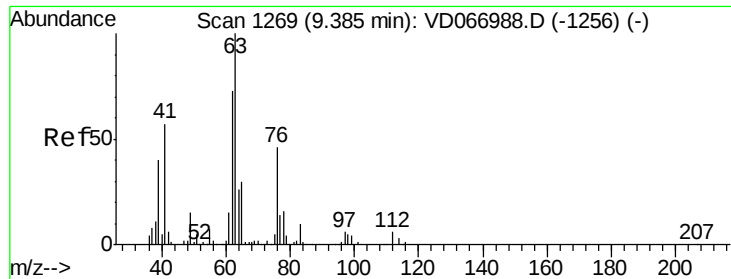
Acq: 12 Oct 2020 12:35

Tgt Ion:	130	Resp:	89489
Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	187.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





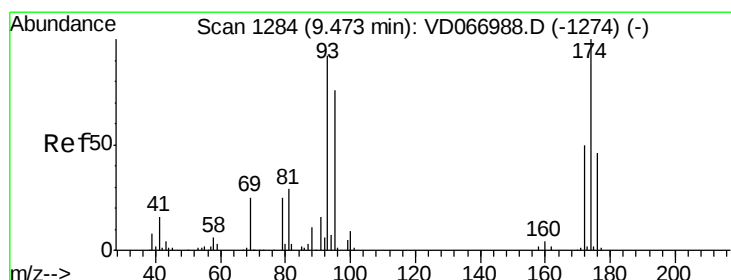
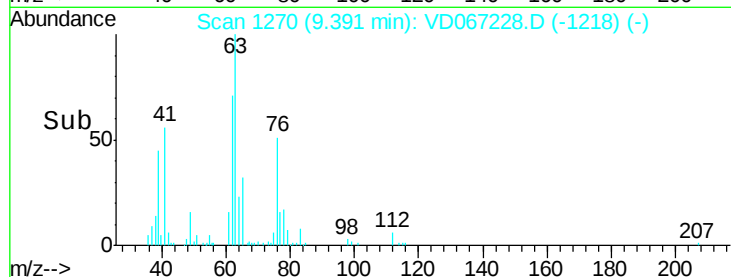
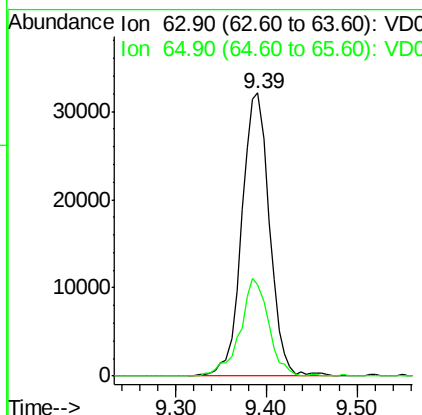
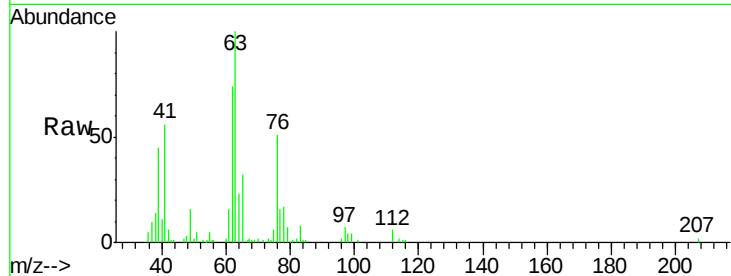
#45
 1,2-Dichloropropane
 Concen: 20.537 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBSD01

Tot Ion: 63 Resp: 68112
 Ion Ratio Lower Upper
 63 100
 65 32.4 23.7 35.5

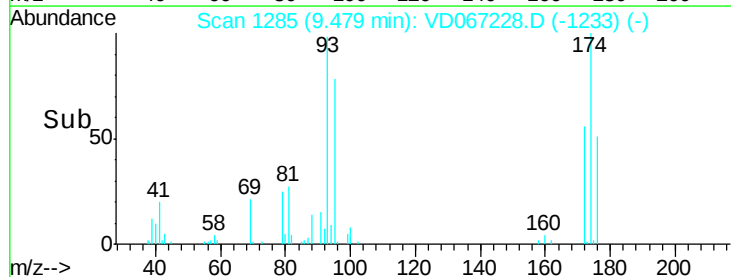
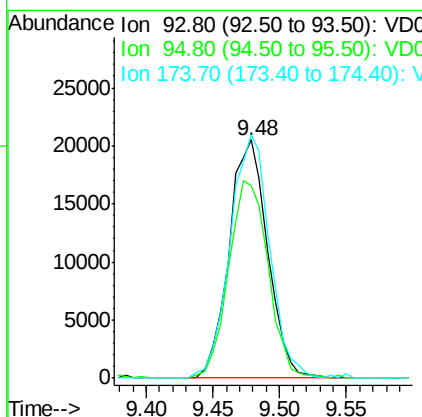
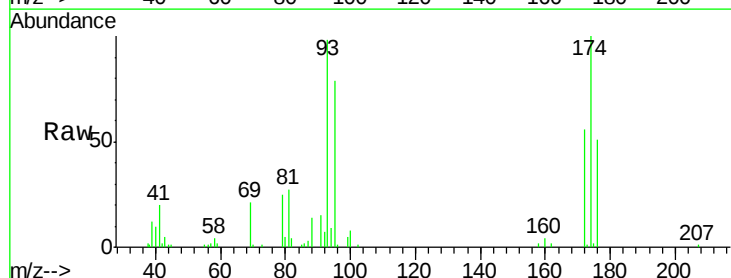
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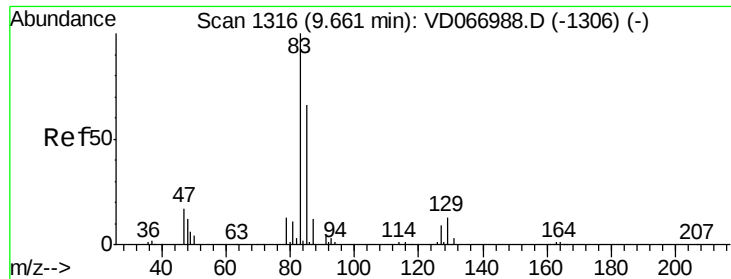
MMDadoda
 10/13/2020 1:52:22 PM



#46
 Dibromomethane
 Concen: 21.563 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion: 93 Resp: 41103
 Ion Ratio Lower Upper
 93 100
 95 85.1 64.7 97.1
 174 104.6 81.4 122.2





#47

Bromodichloromethane

Concen: 21.985 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

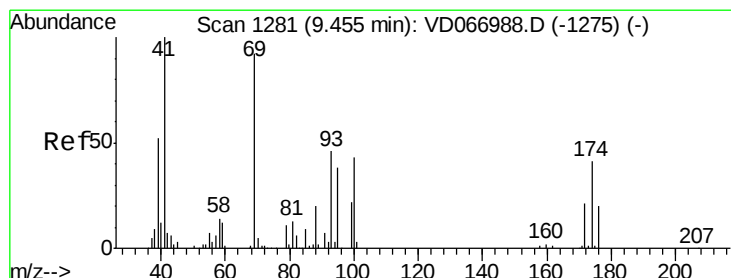
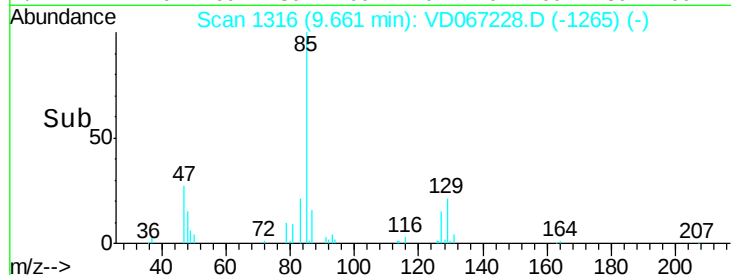
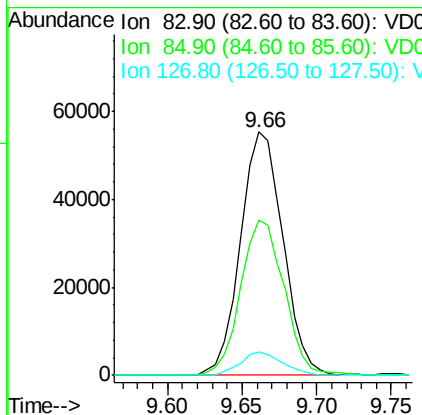
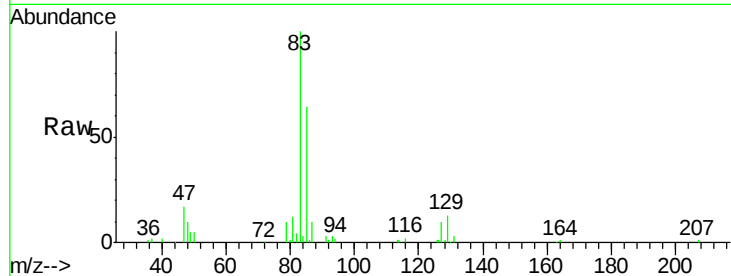
ClientSampleId :

VD1012SBS01

Tot Ion	83	Resp	108938
Ion Ratio	Lower	Upper	
83	100		
85	64.0	52.9	79.3
127	9.7	7.3	10.9

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#48

Methyl methacrylate

Concen: 19.333 ug/l

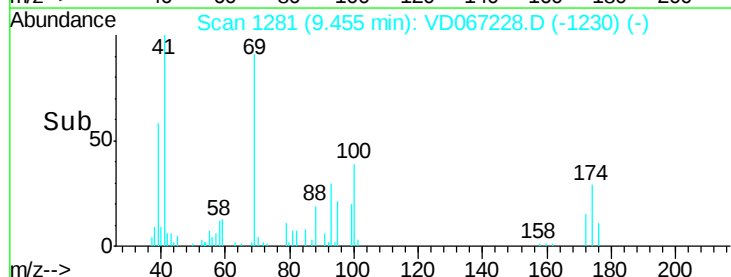
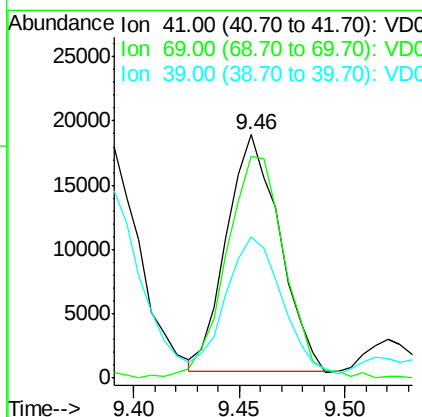
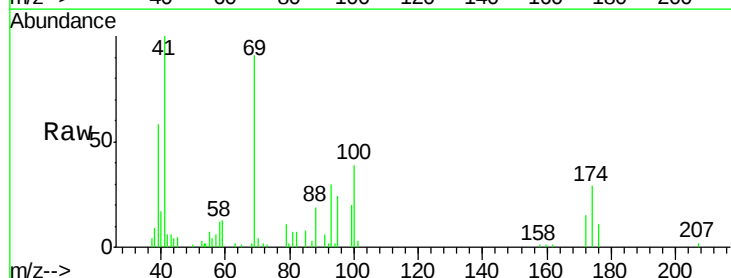
RT: 9.46 min Scan# 1281

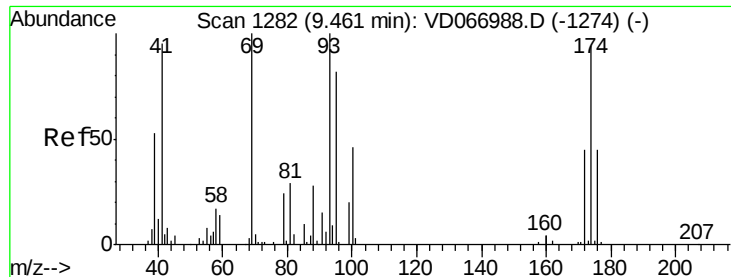
Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Tgt Ion	41	Resp	32122
Ion Ratio	Lower	Upper	
41	100		
69	103.8	68.5	102.7#
39	65.2	40.2	60.2#





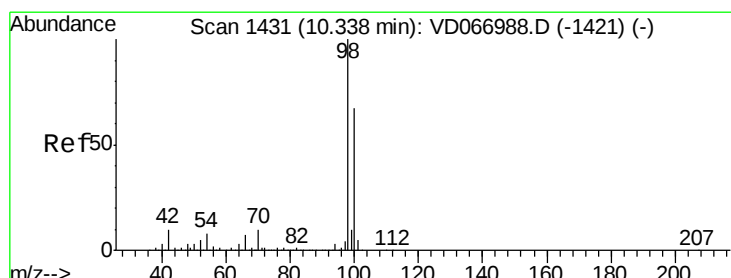
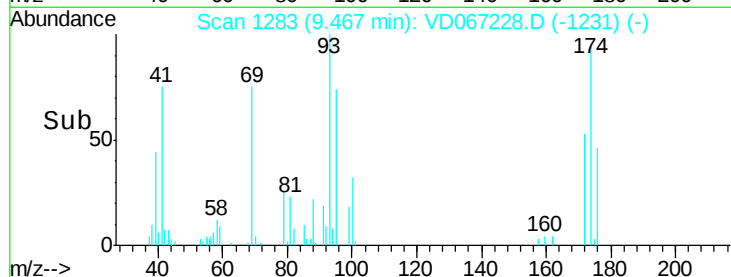
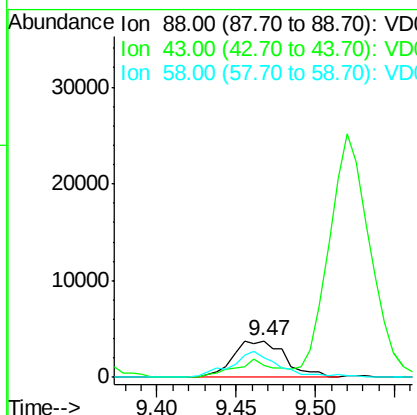
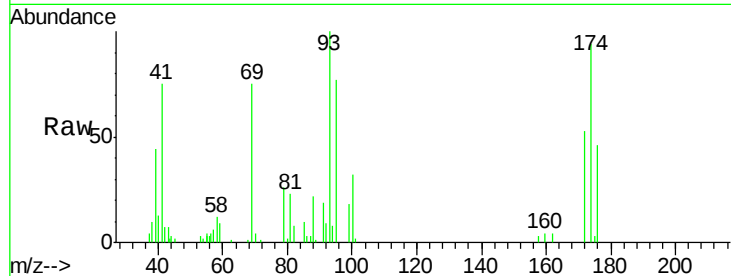
#49
1,4-Dioxane
Concen: 430.874 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

Tot Ion: 88 Resp: 8572
Ion Ratio Lower Upper
88 100
43 39.1 25.6 38.4#
58 63.5 53.5 80.3

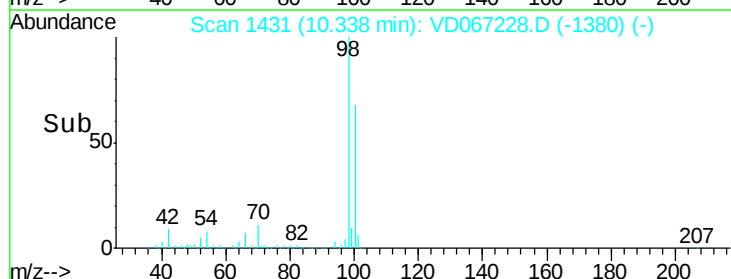
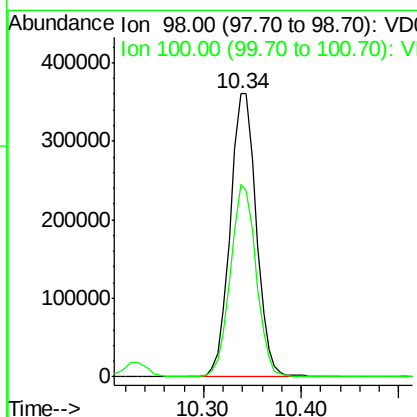
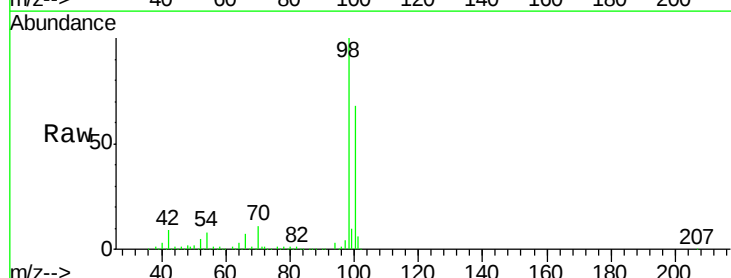
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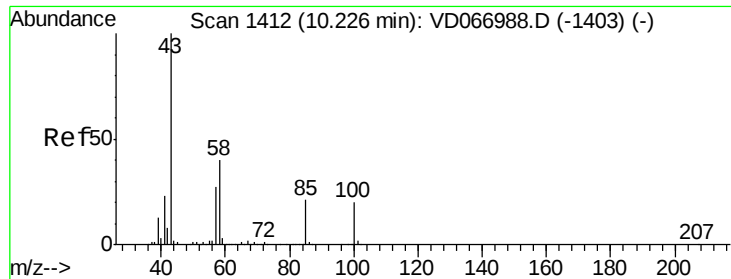
MMDadoda
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#50
Toluene-d8
Concen: 51.714 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion: 98 Resp: 672605
Ion Ratio Lower Upper
98 100
100 66.9 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 98.483 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleID :

VD1012SBS01

Tot Ion: 43 Resp: 159094

Ion Ratio Lower Upper

43 100

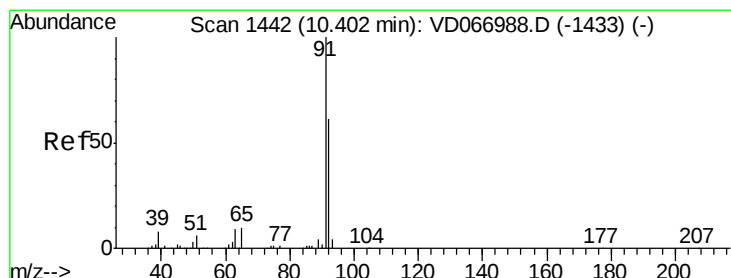
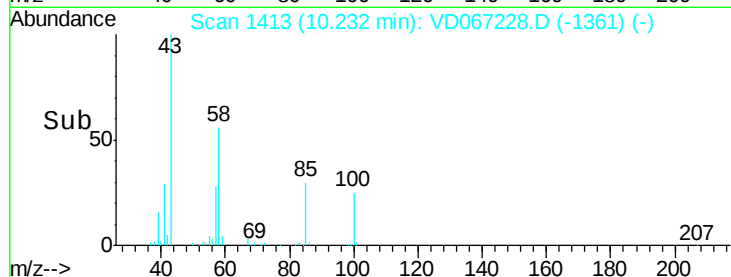
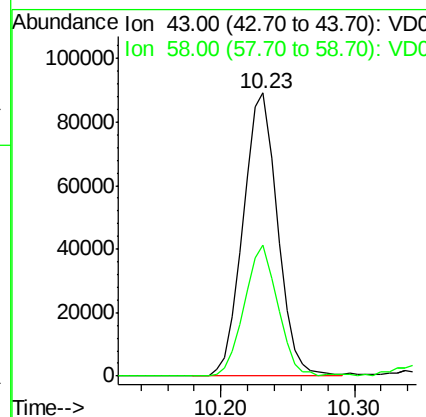
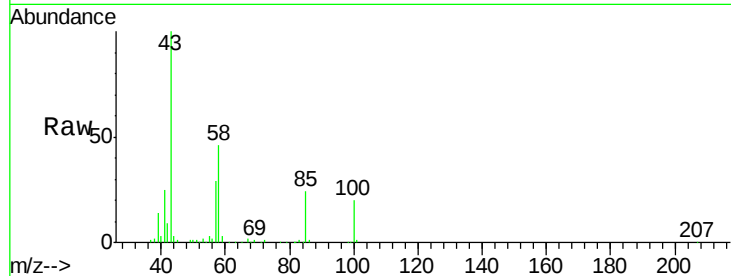
58 44.7 33.8 50.8

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#52

Toluene

Concen: 22.133 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD067228.D

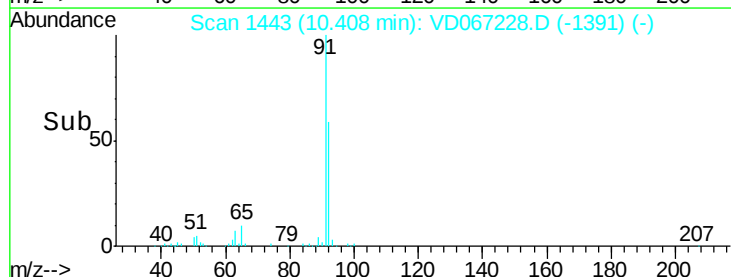
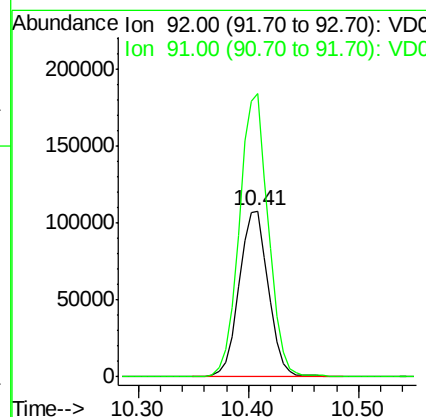
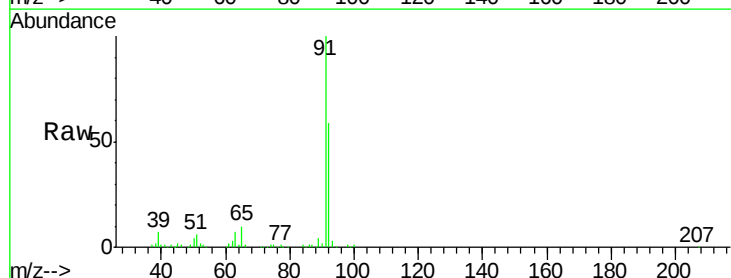
Acq: 12 Oct 2020 12:35

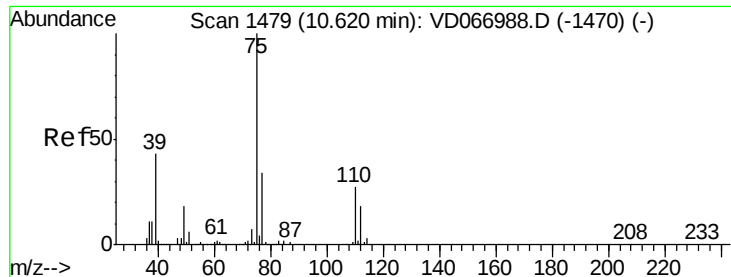
Tgt Ion: 92 Resp: 201250

Ion Ratio Lower Upper

92 100

91 168.9 135.1 202.7





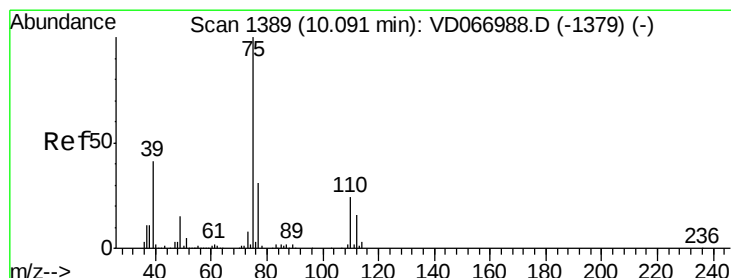
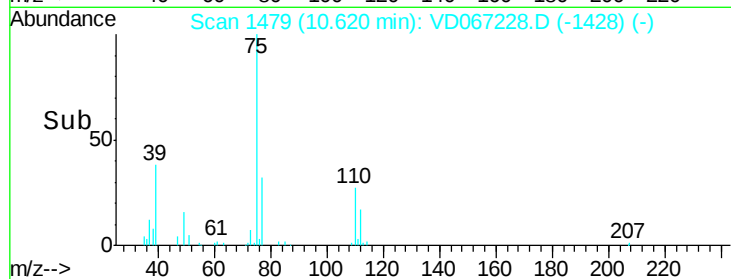
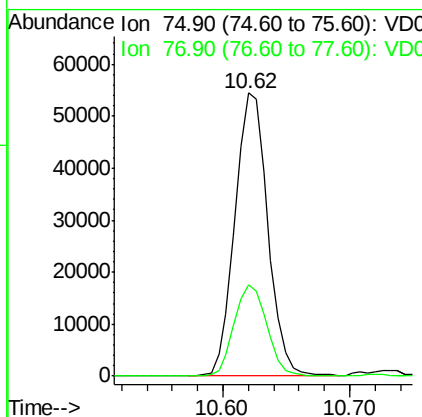
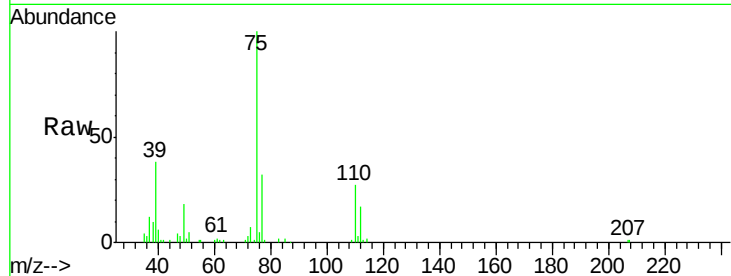
#53
 t-1,3-Dichloropropene
 Concen: 22.077 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	27.1	40.7

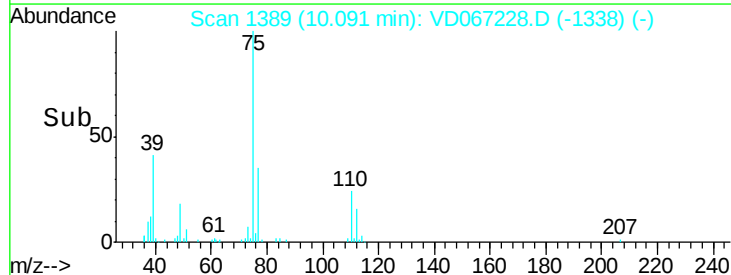
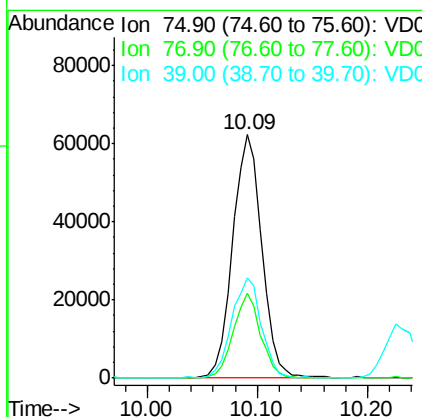
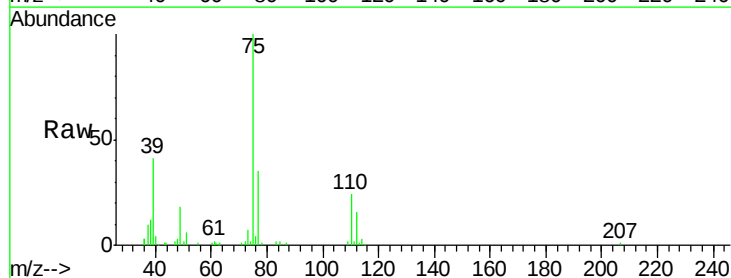
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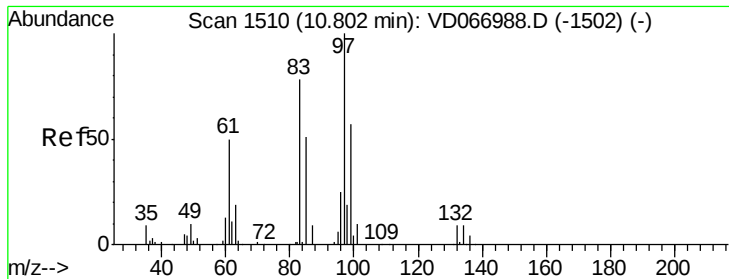
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#54
 cis-1,3-Dichloropropene
 Concen: 21.376 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.8	24.6	37.0
39	41.4	33.0	49.4





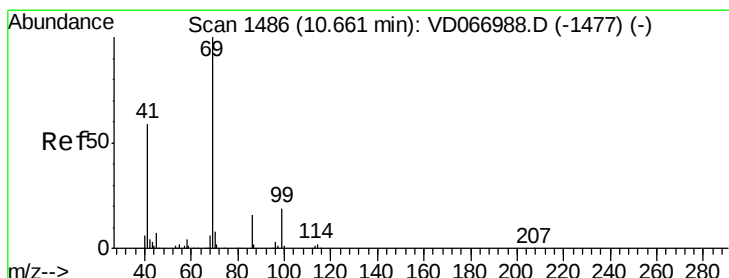
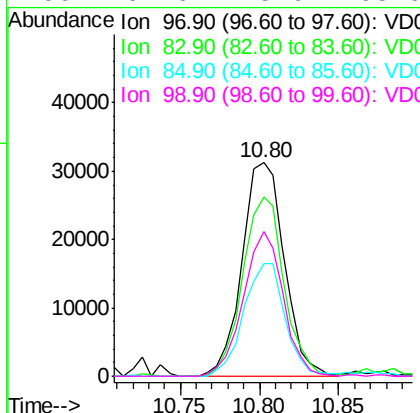
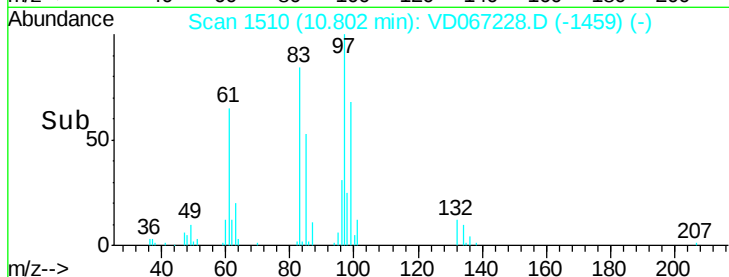
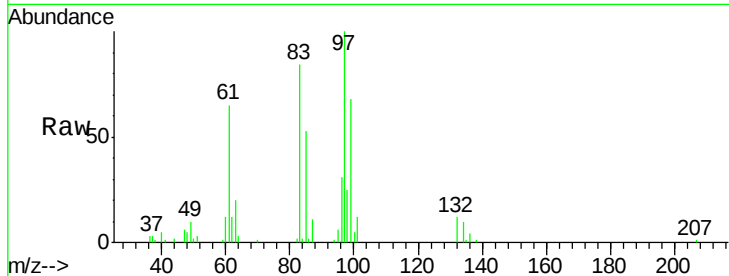
#55
 1,1,2-Trichloroethane
 Concen: 21.904 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	97	Resp	58048
Ion	Ratio	Lower	Upper
97	100		
83	84.0	62.4	93.6
85	52.8	41.0	61.4
99	67.6	45.9	68.9

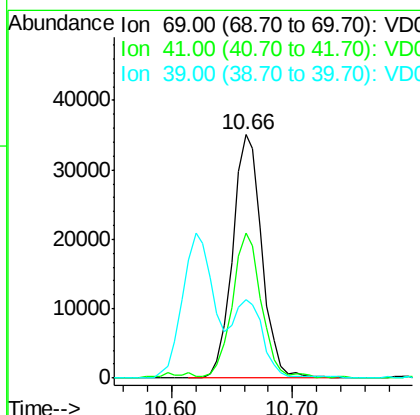
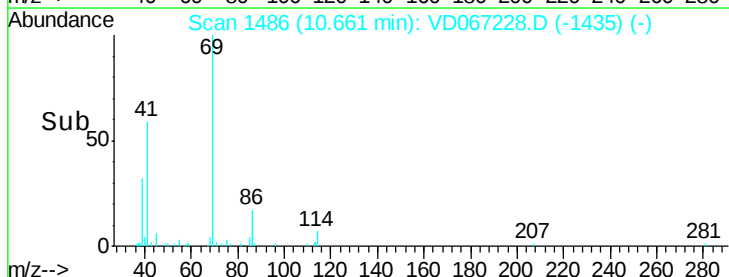
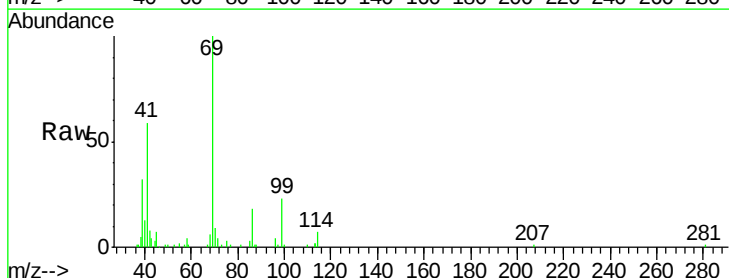
Manual Integrations
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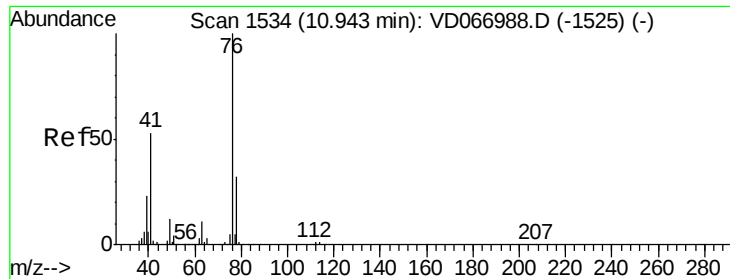
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#56
 Ethyl methacrylate
 Concen: 21.565 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion	69	Resp	59004
Ion	Ratio	Lower	Upper
69	100		
41	59.8	46.4	69.6
39	32.1	23.8	35.6





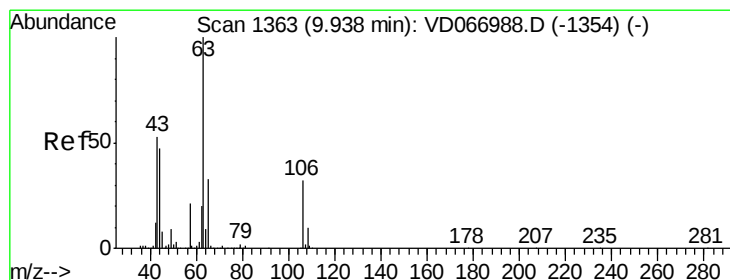
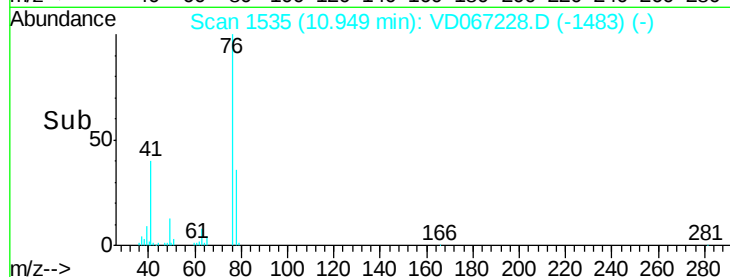
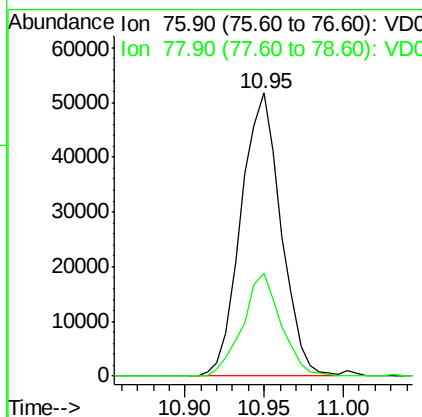
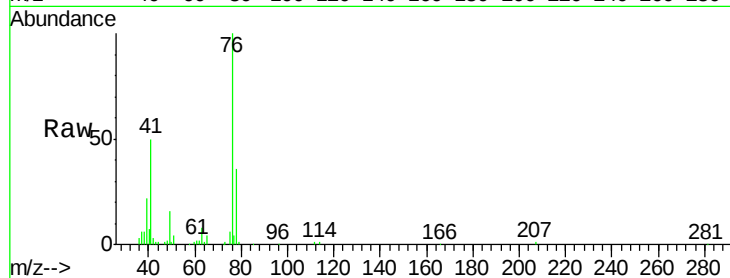
#57
 1,3-Dichloropropane
 Concen: 21.161 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.5	25.8	38.8

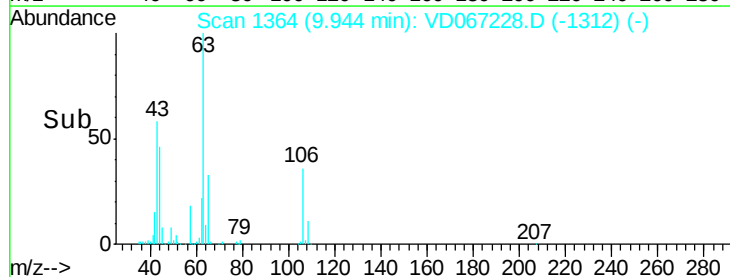
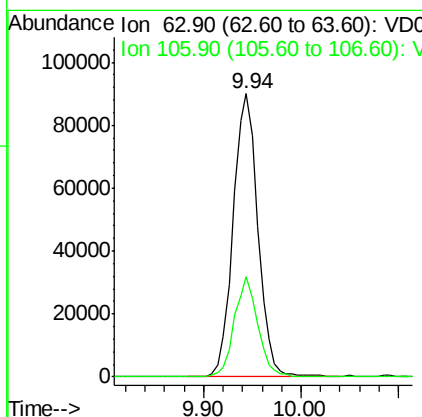
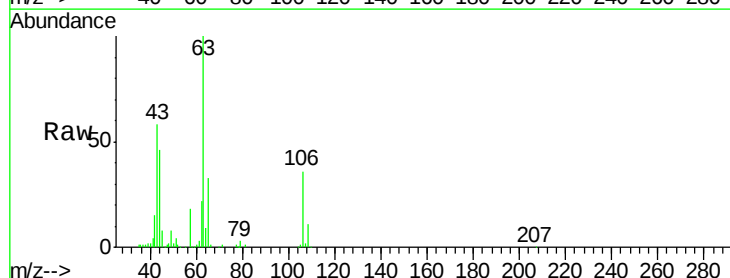
Manual Integrations
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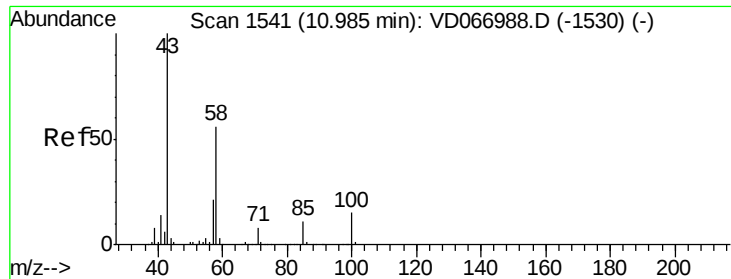
MMDadoda
 10/13/2020 1:52:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.352 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	33.3	25.3	37.9





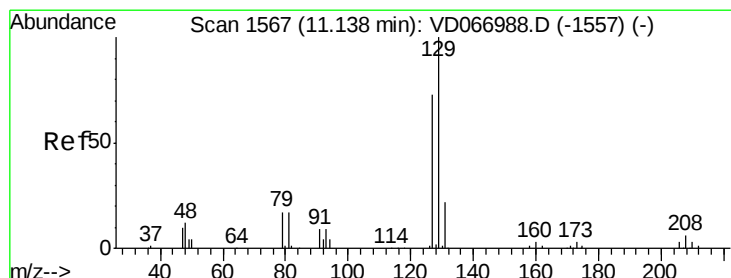
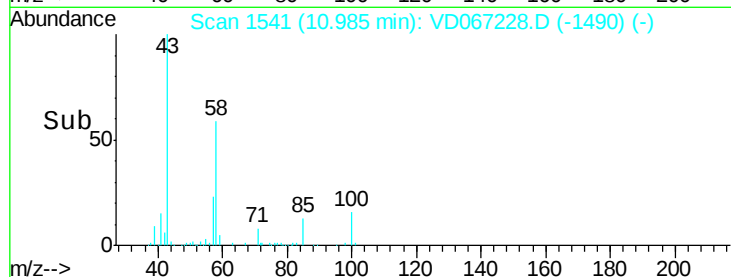
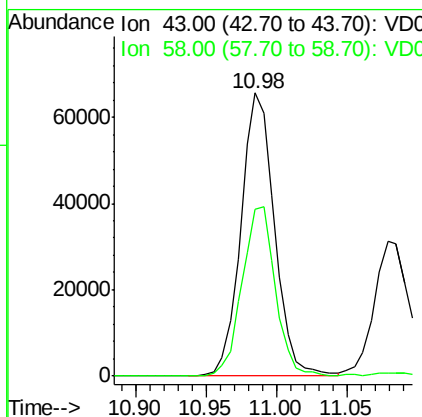
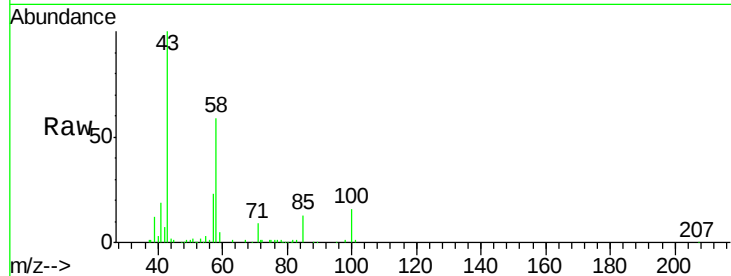
#59
2-Hexanone
Concen: 101.435 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion: 43 Resp: 109369
Ion Ratio Lower Upper
43 100
58 59.5 28.3 84.9

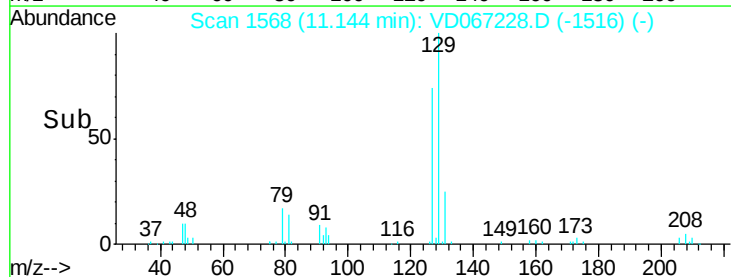
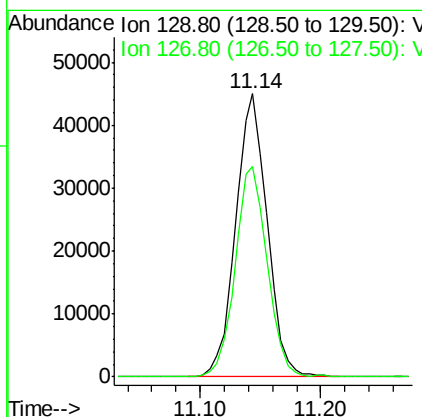
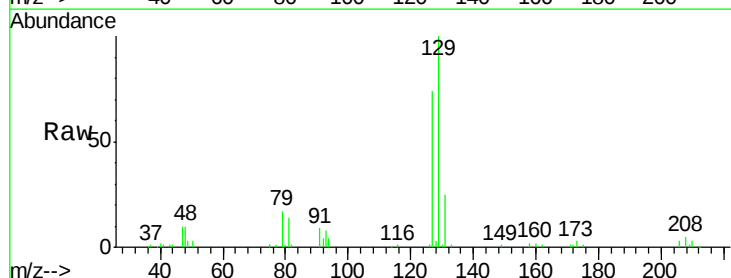
Manual Integrations
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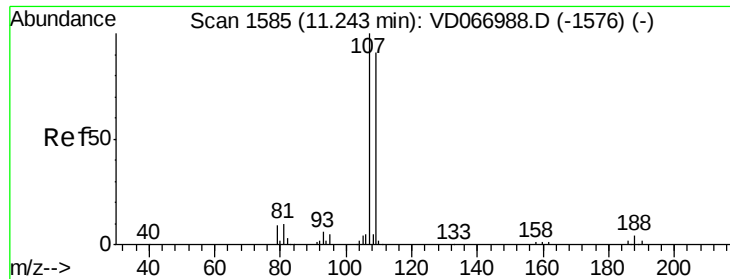
MMDadoda
10/13/2020 1:52:22 PM



#60
Dibromochloromethane
Concen: 23.127 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion: 129 Resp: 81690
Ion Ratio Lower Upper
129 100
127 75.5 37.4 112.1





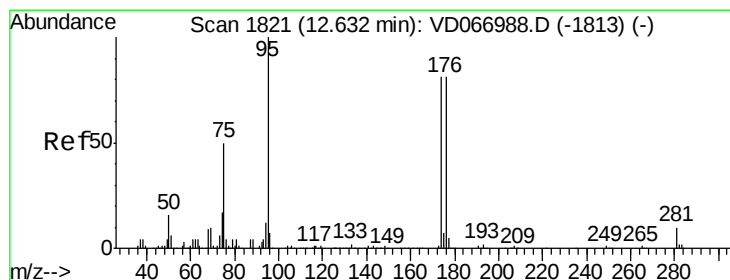
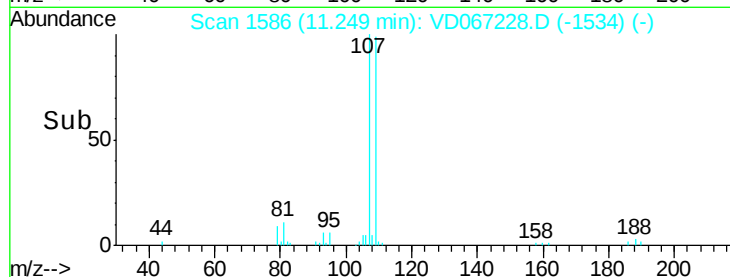
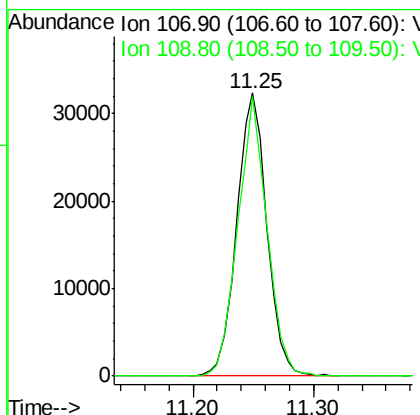
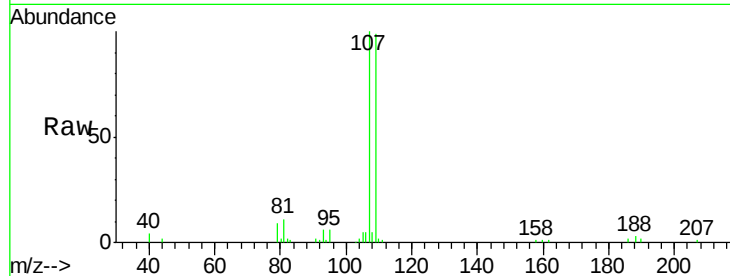
#61
 1,2-Dibromoethane
 Concen: 22.046 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.0	111.0

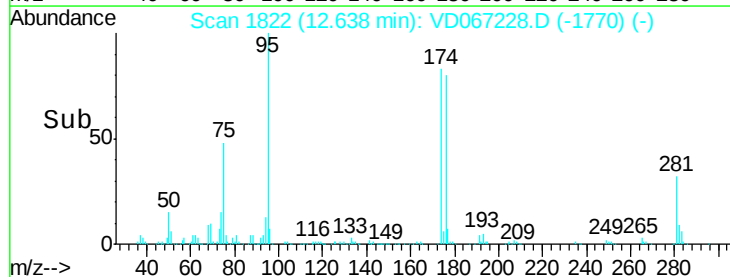
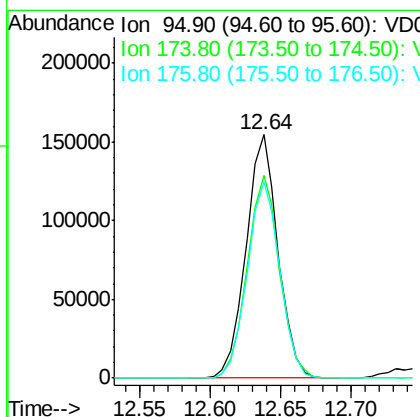
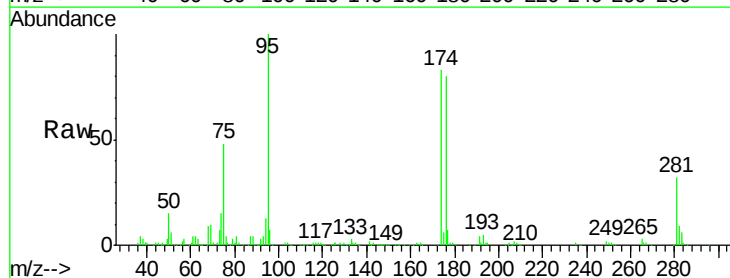
Manual Integrations
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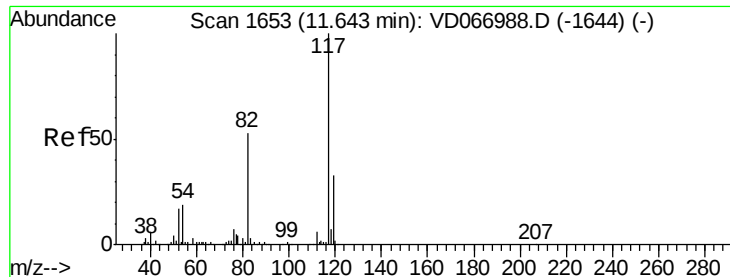
MMDadoda
 10/13/2020 1:52:22 PM



#62
 4-Bromofluorobenzene
 Concen: 55.268 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	167.6
176	82.5	0.0	162.4





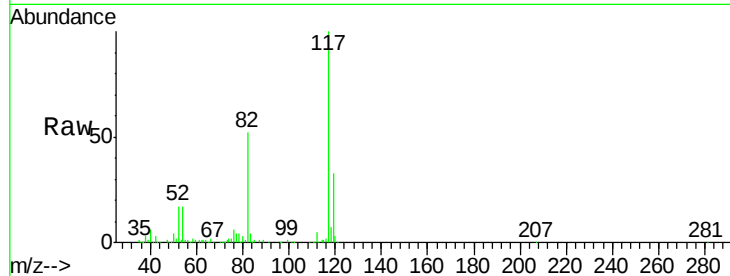
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

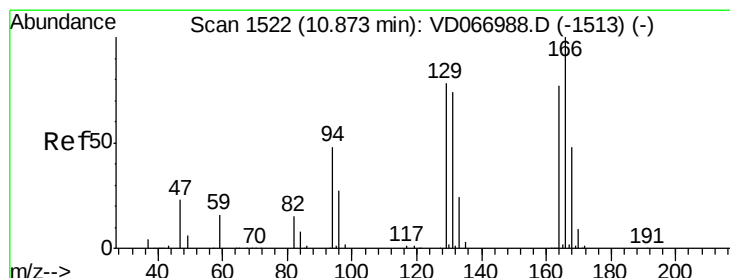
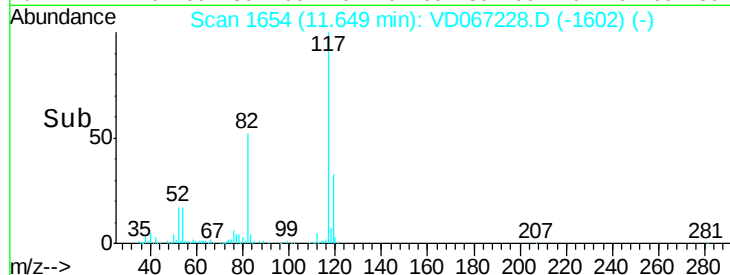
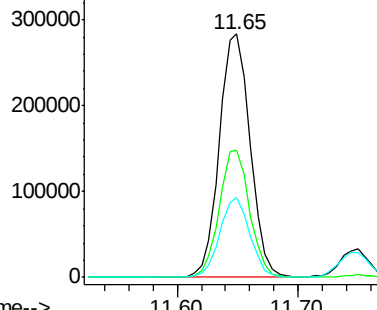
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.6	63.8
119	32.8	26.3	39.5

Manual Integrations
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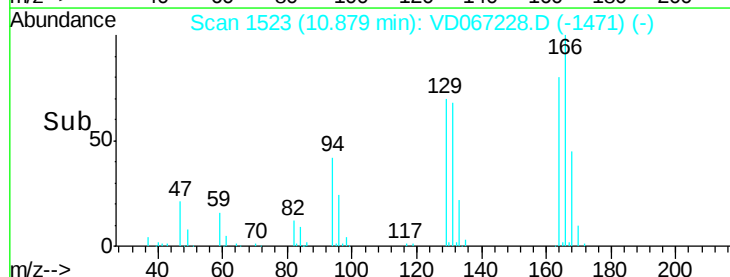
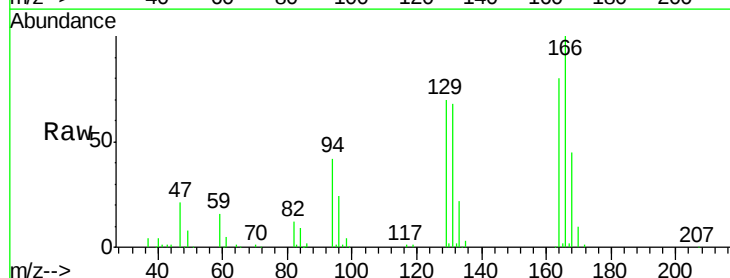
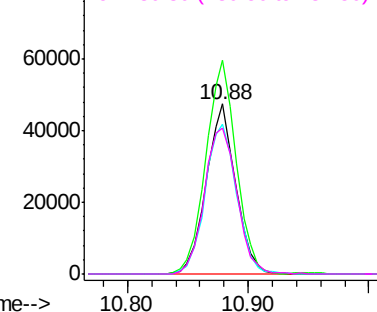
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

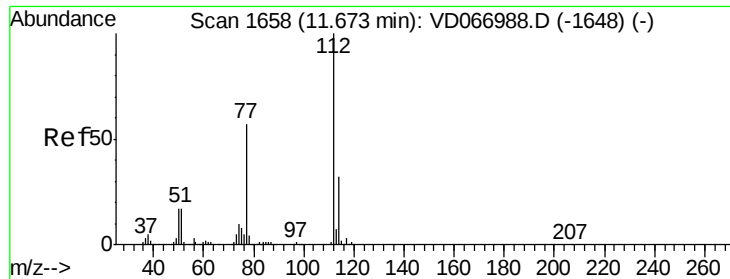


#64
Tetrachloroethene
Concen: 21.869 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	104.4	156.6
129	88.3	81.3	121.9
131	85.4	77.1	115.7

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





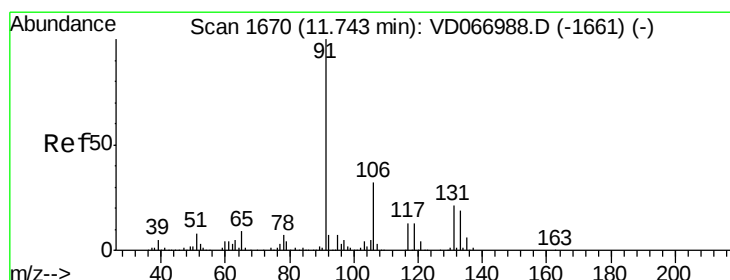
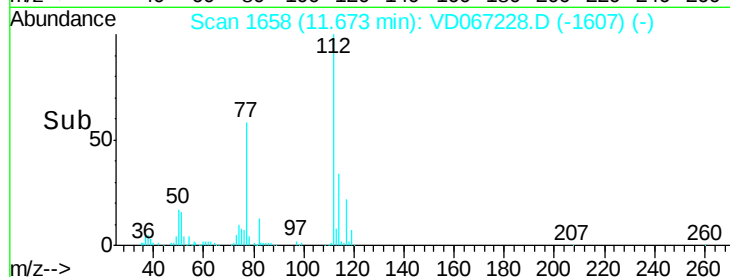
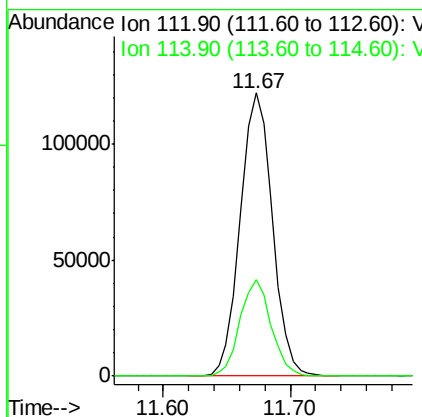
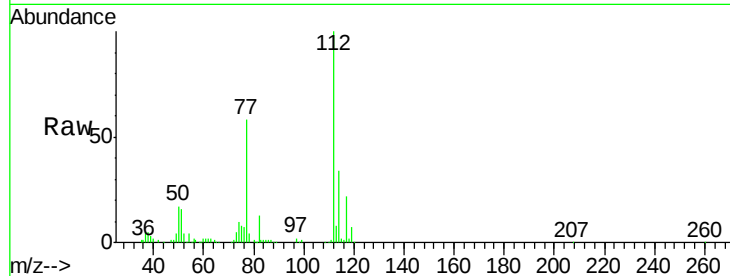
#65
Chlorobenzene
Concen: 21.375 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.1	25.4	38.0

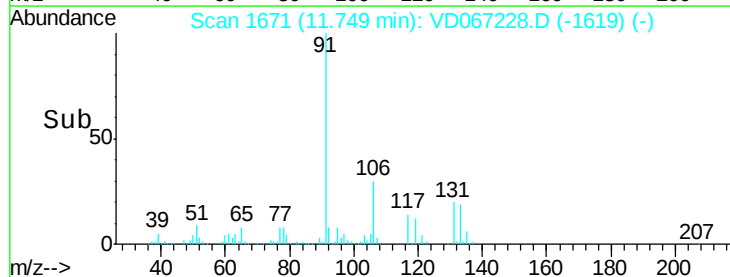
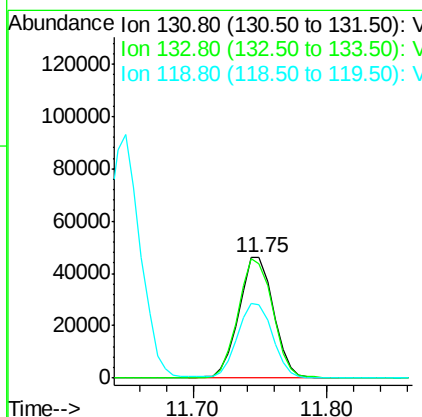
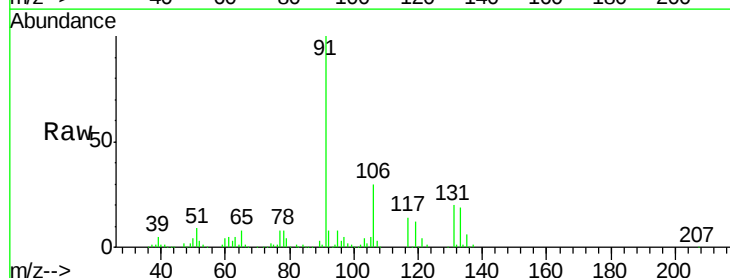
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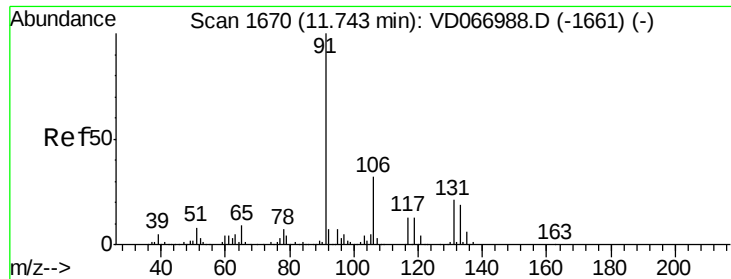
MMDadoda
10/13/2020 1:52:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.750 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.9	47.8	143.3
119	62.8	32.3	96.8





#67

Ethyl Benzene

Concen: 22.003 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 91 Resp: 379759

Ion Ratio Lower Upper

91 100

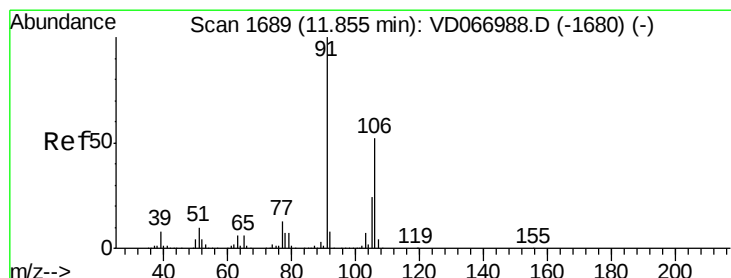
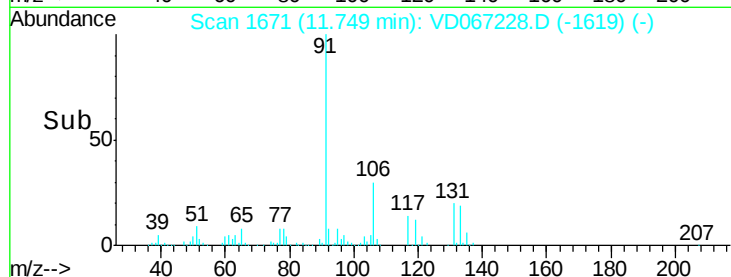
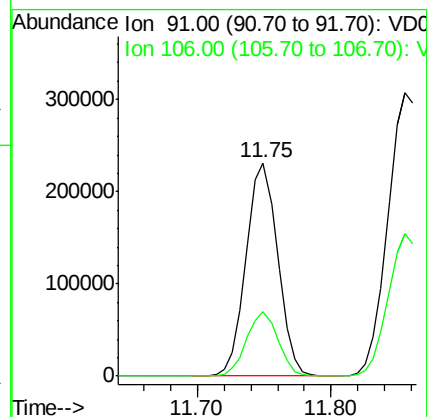
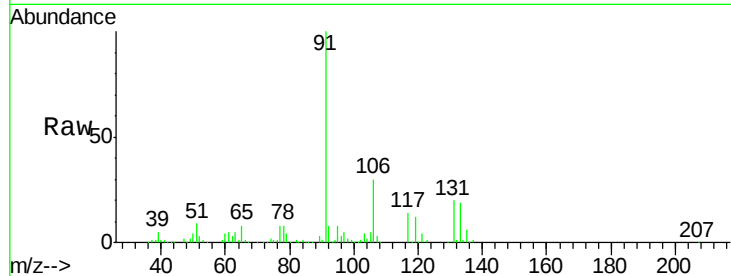
106 30.3 25.4 38.2

Manual Integrations

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10/13/2020 1:52:22 PM



#68

m/p-Xylenes

Concen: 44.275 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067228.D

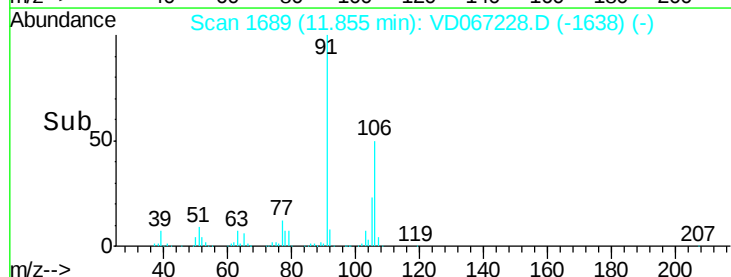
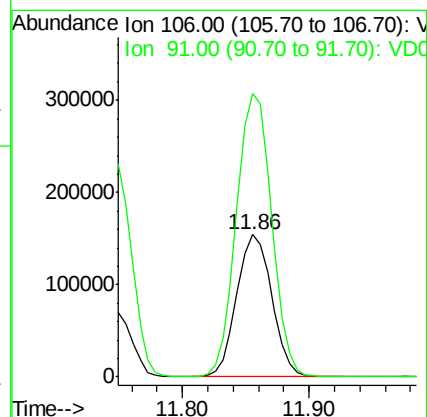
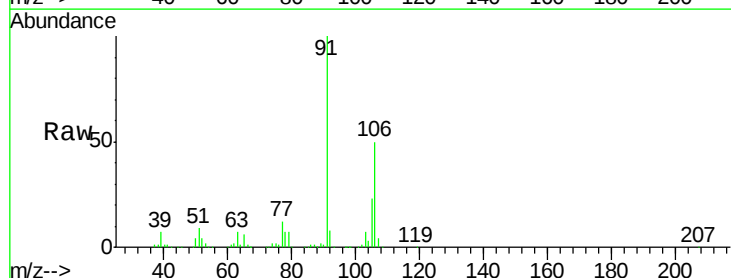
Acq: 12 Oct 2020 12:35

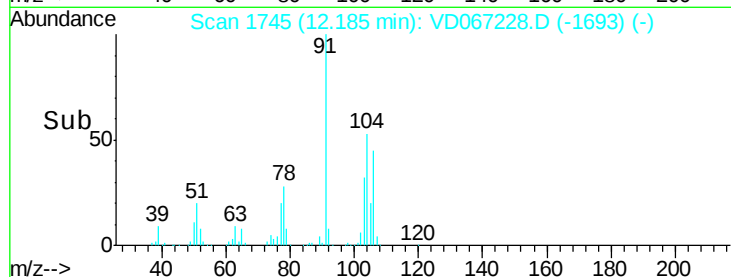
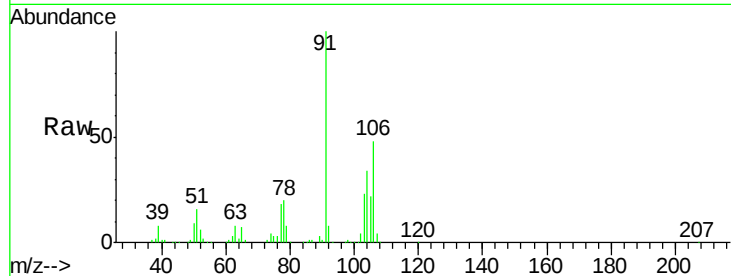
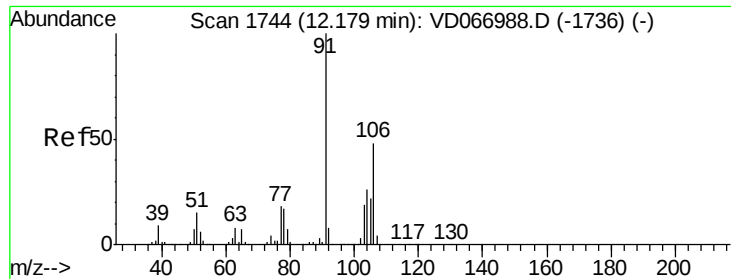
Tgt Ion: 106 Resp: 297806

Ion Ratio Lower Upper

106 100

91 199.8 158.4 237.6





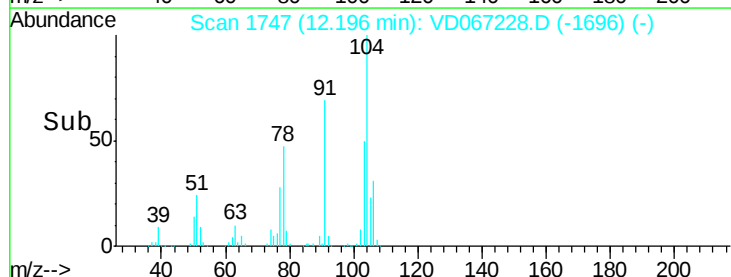
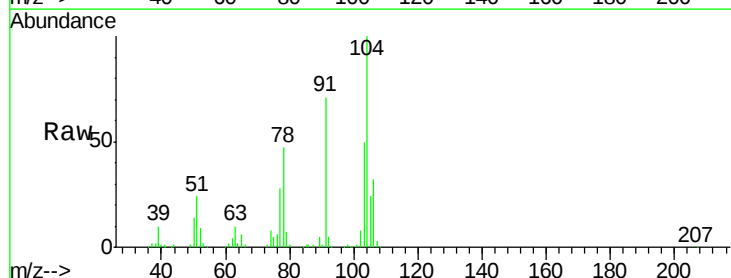
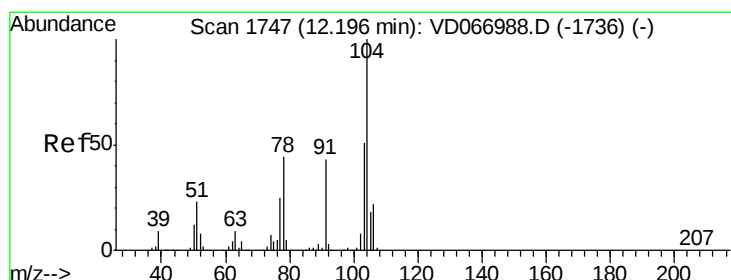
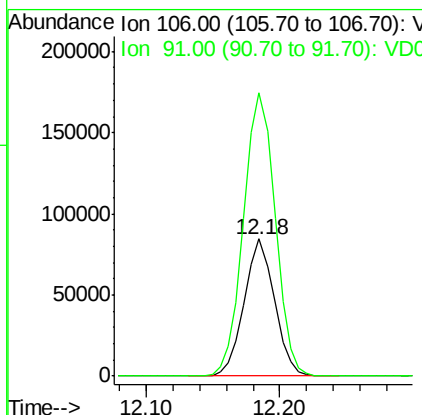
#69
o-Xylene
Concen: 22.047 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	216.4	102.4	307.2		

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

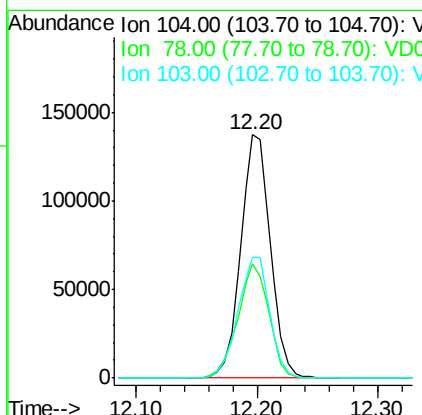
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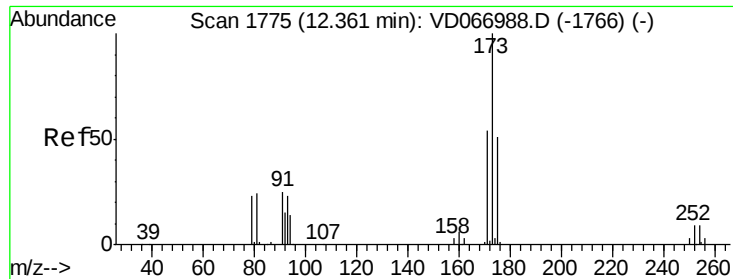
MMDadoda
10/13/2020 1:52:22 PM



#70
Styrene
Concen: 22.723 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.8	38.6	58.0		
103	53.4	43.4	65.0		





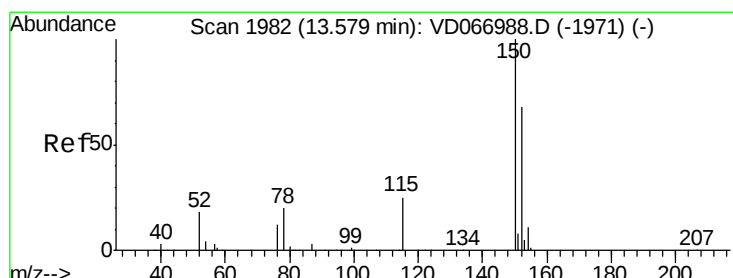
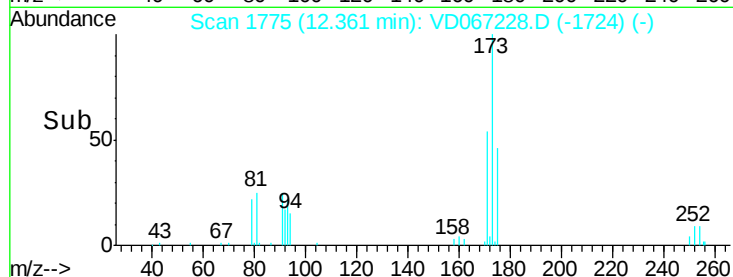
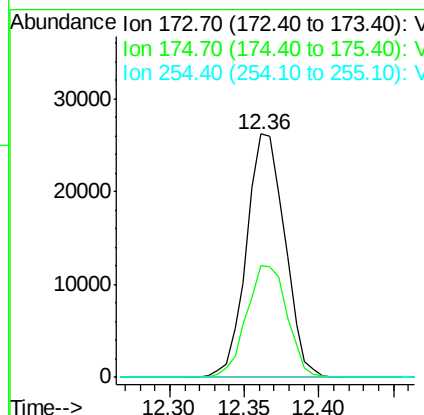
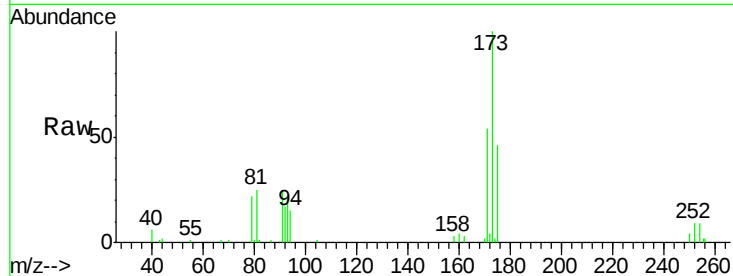
#71
Bromoform
Concen: 23.377 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.7
254	0.0	0.2	0.4

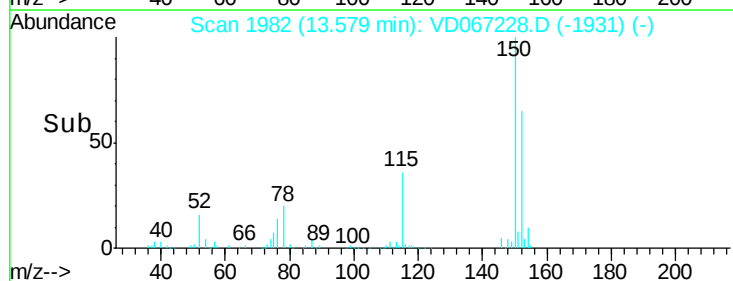
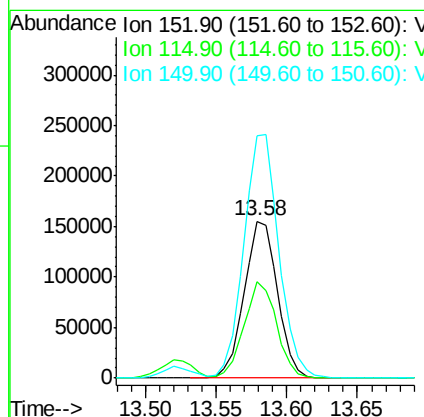
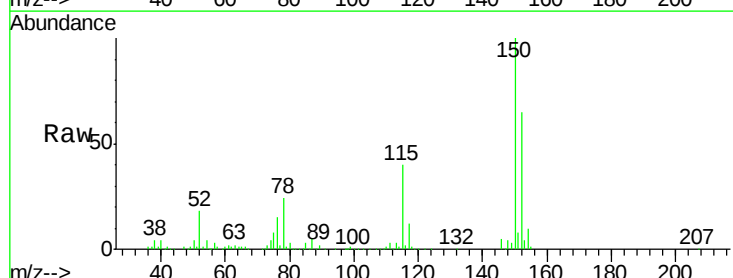
Manual Integrations
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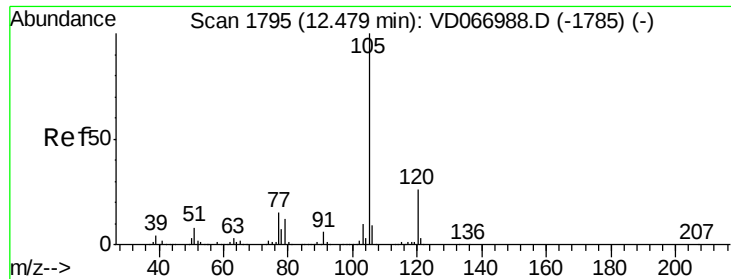
MMDadoda
10/13/2020 1:52:22 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.6	88.8
150	162.7	0.0	344.8





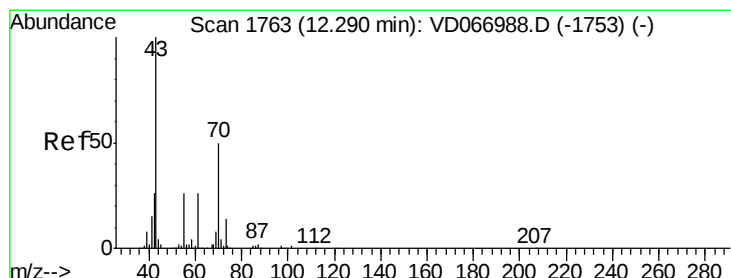
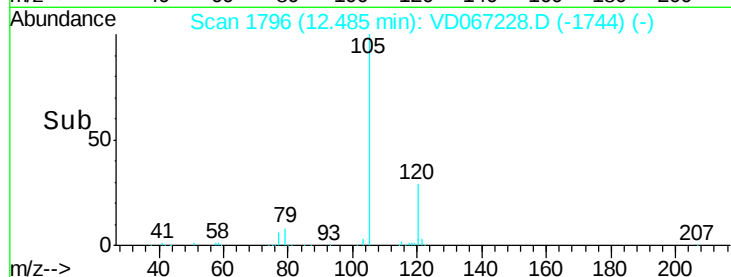
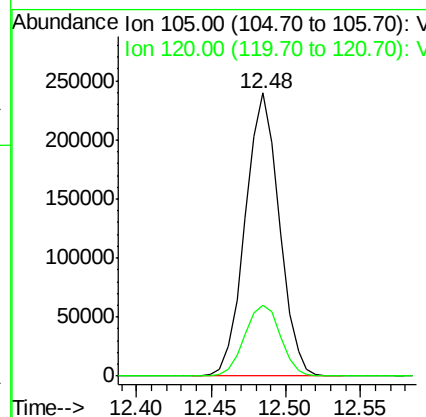
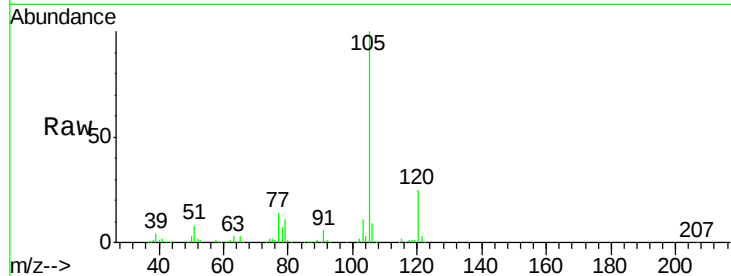
#73
Isopropylbenzene
Concen: 21.661 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.9

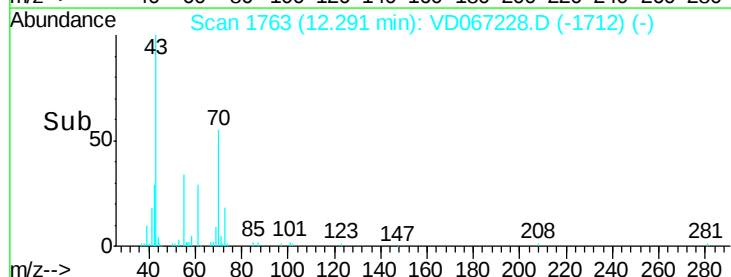
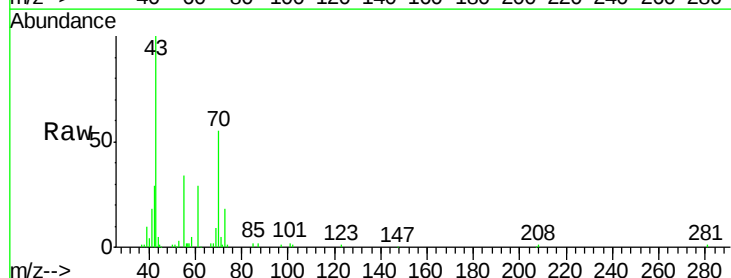
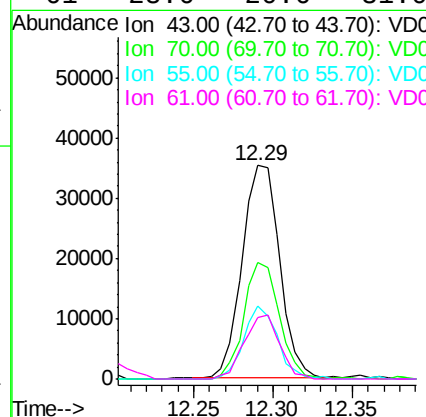
Manual Integrations
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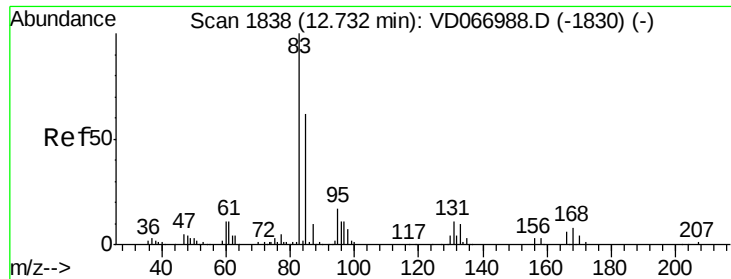
MMDadoda
10/13/2020 1:52:22 PM



#74
N-ethyl acetate
Concen: 18.487 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.0	38.2	57.2
55	30.8	22.4	33.6
61	28.6	20.6	31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.489 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

ClientSampleId :

VD1012SBS01

Tot Ion: 83 Resp: 57289

Ion Ratio Lower Upper

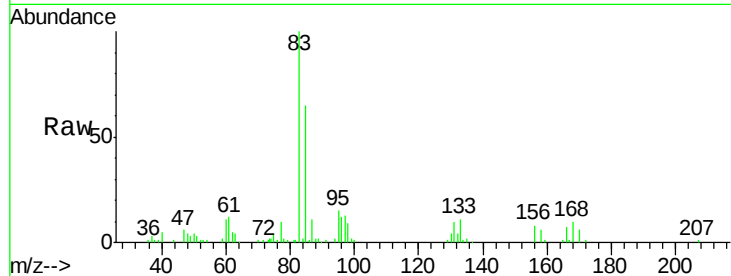
83 100

131 13.5 5.7 17.0

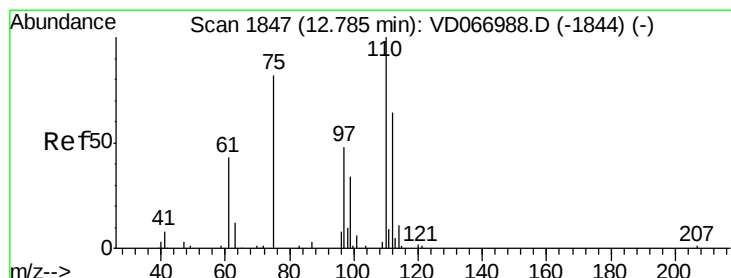
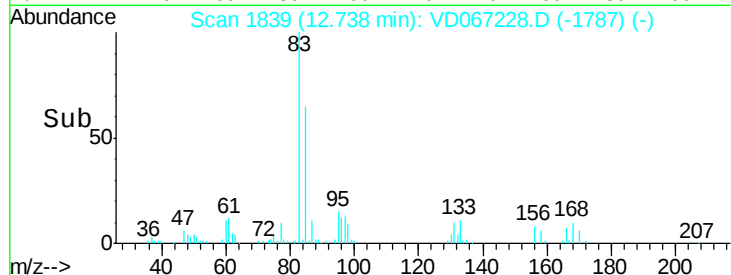
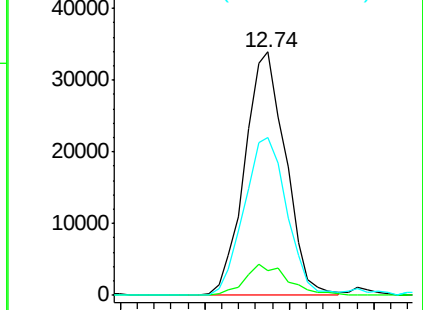
85 67.8 32.0 96.2

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



#76

1,2,3-Trichloropropane

Concen: 19.492 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD067228.D

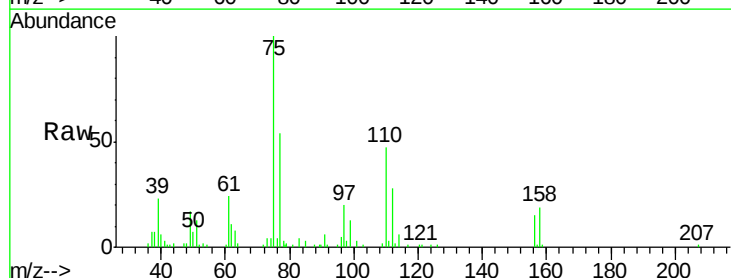
Acq: 12 Oct 2020 12:35

Tgt Ion: 75 Resp: 43624

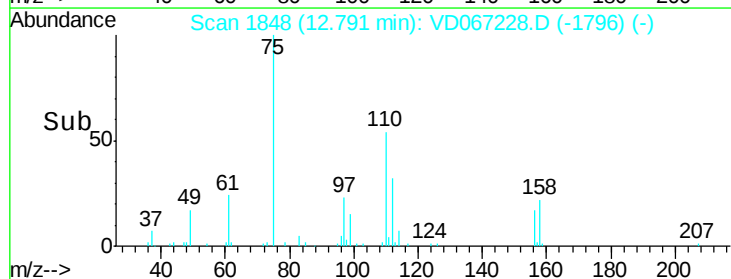
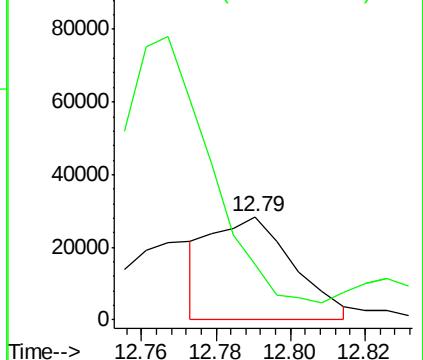
Ion Ratio Lower Upper

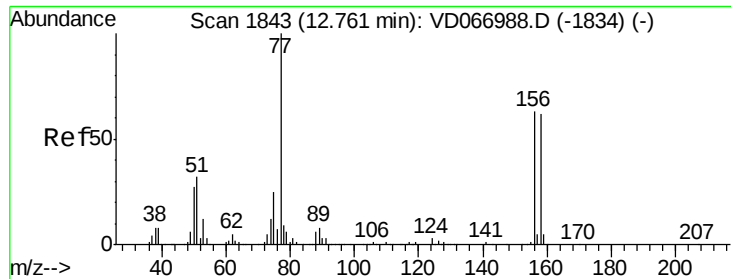
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.905 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

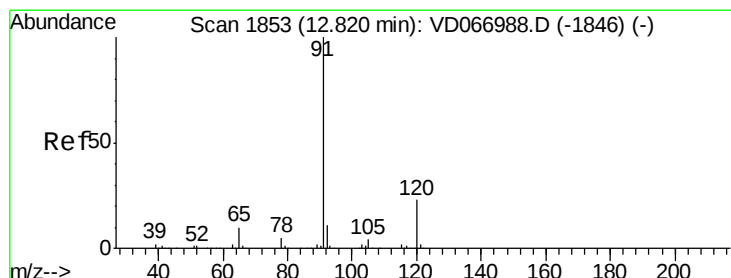
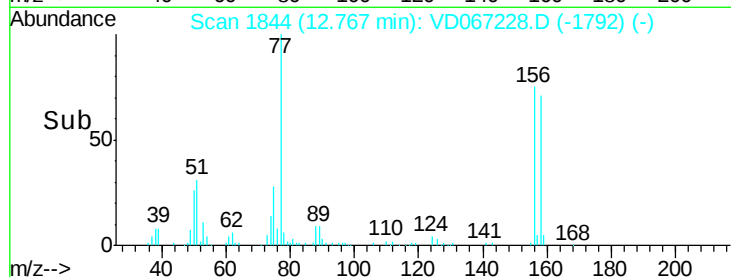
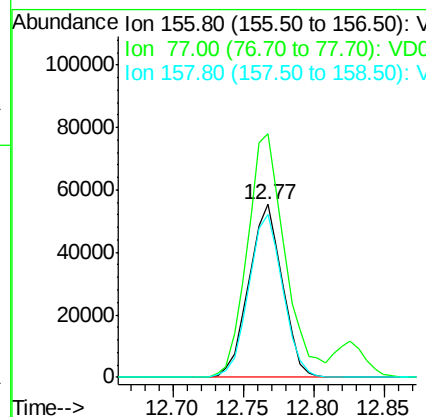
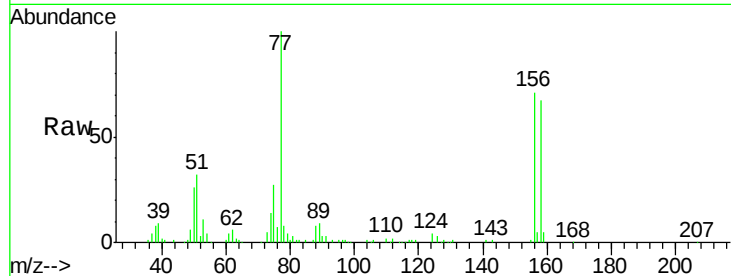
ClientSampleId :

VD1012SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.3	86.3	258.8
158	95.5	49.5	148.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.451 ug/l

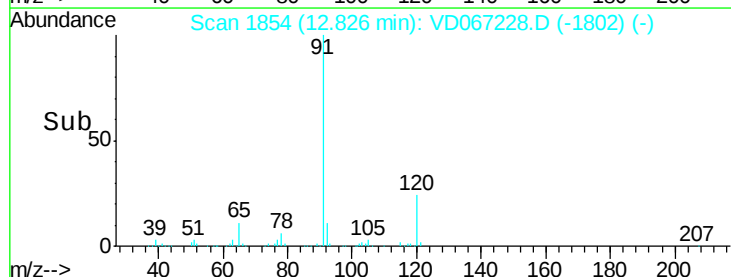
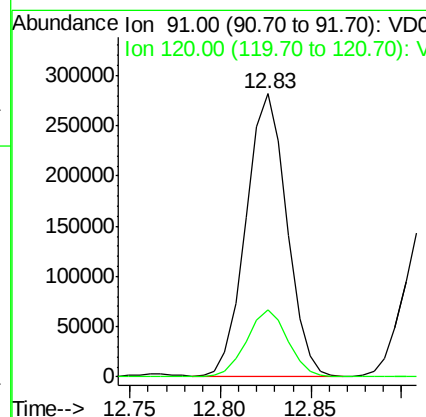
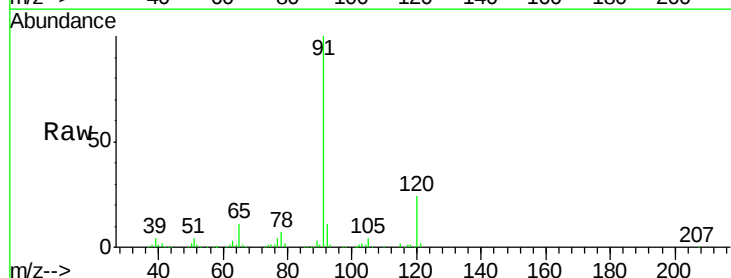
RT: 12.83 min Scan# 1854

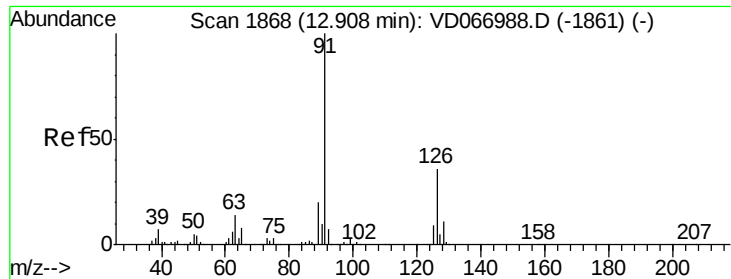
Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.6	34.8





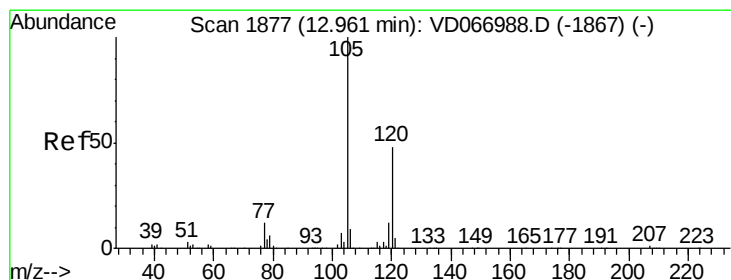
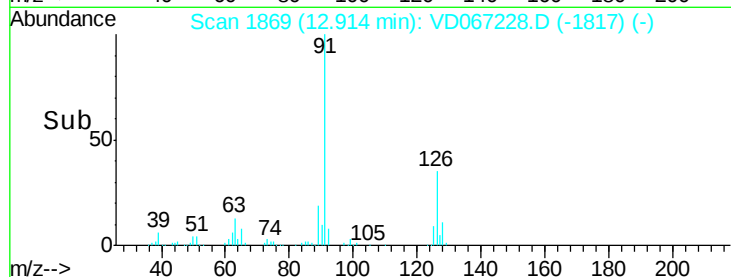
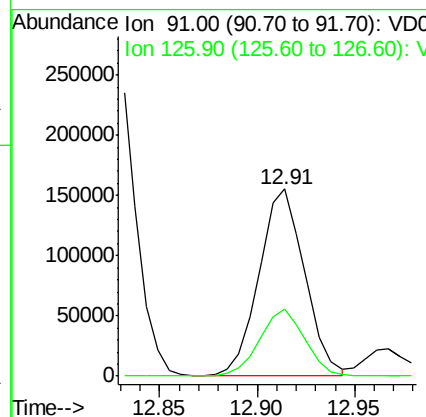
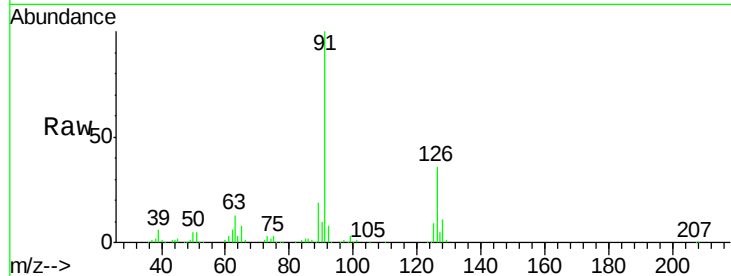
#79
 2-Chlorotoluene
 Concen: 21.306 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion: 91 Resp: 251355
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.5 52.6

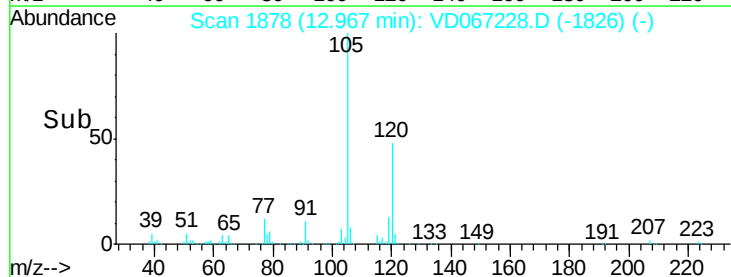
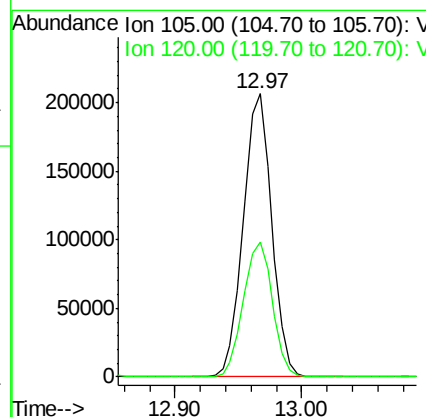
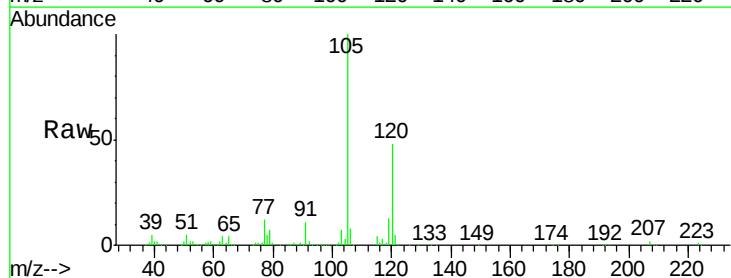
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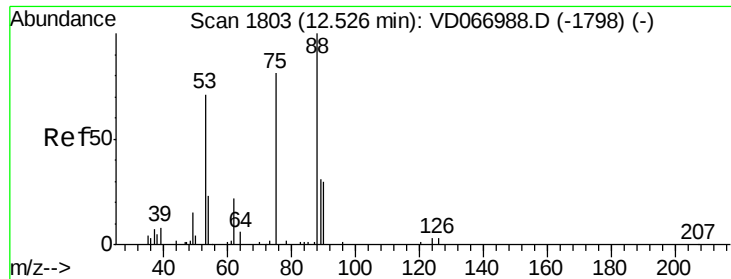
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.752 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion: 105 Resp: 320636
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.166 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Instrument :

MSVOA_D

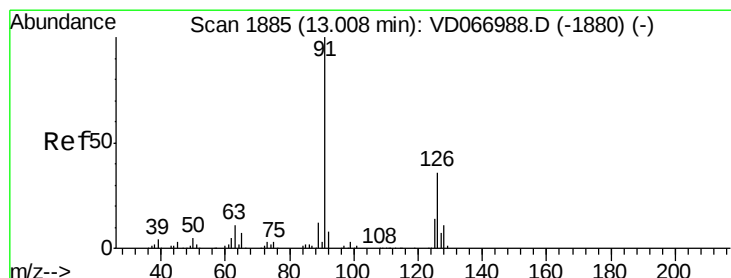
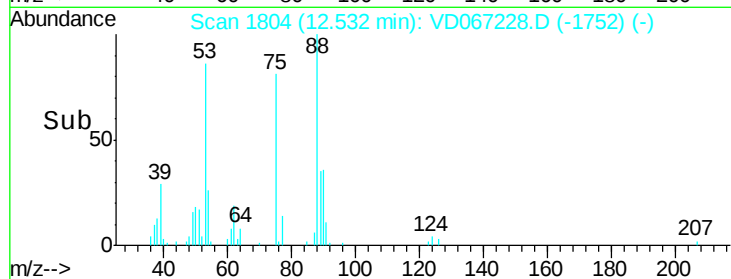
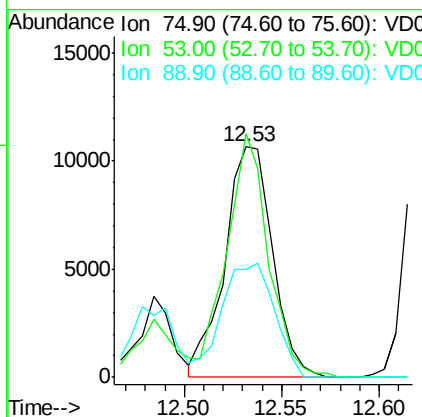
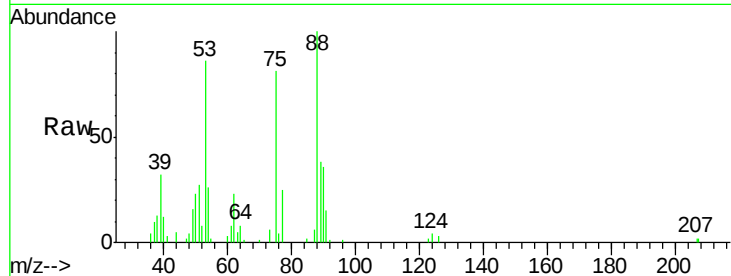
ClientSampleId :

VD1012SBSD01

Tot Ion:	75	Resp:	18103
Ion	Ratio	Lower	Upper
75	100		
53	91.1	73.8	110.6
89	54.8	38.9	58.3

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#82

4-Chlorotoluene

Concen: 21.269 ug/l

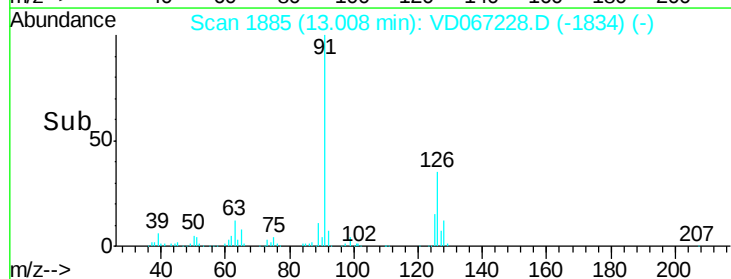
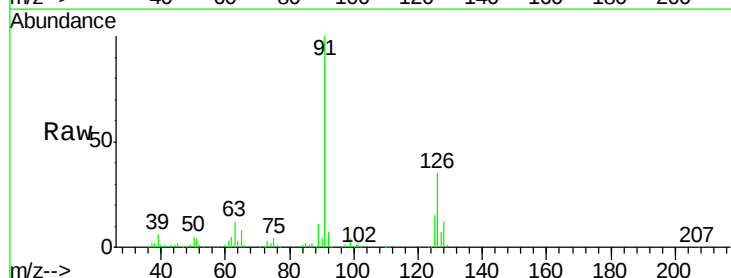
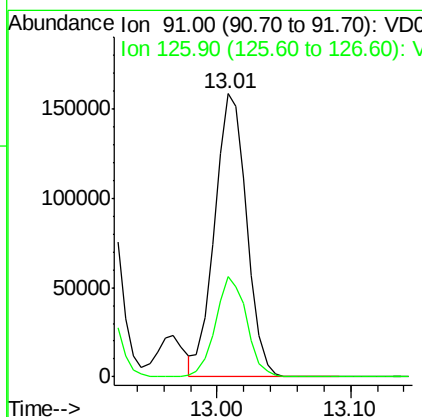
RT: 13.01 min Scan# 1885

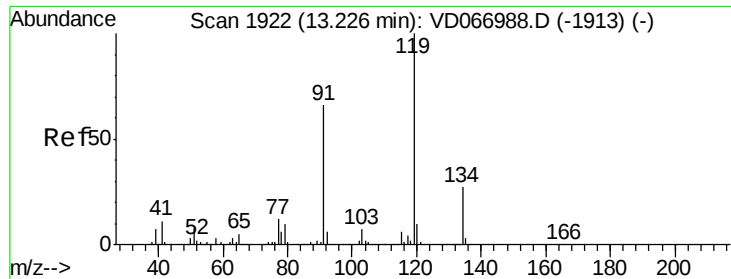
Delta R.T. 0.00 min

Lab File: VD067228.D

Acq: 12 Oct 2020 12:35

Tgt Ion:	91	Resp:	266956
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.5	52.5





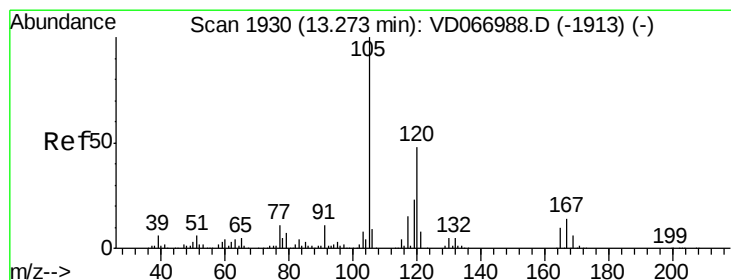
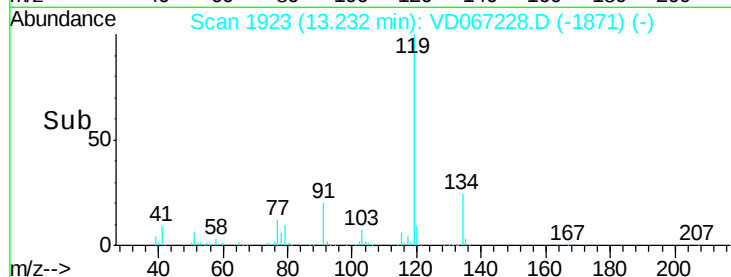
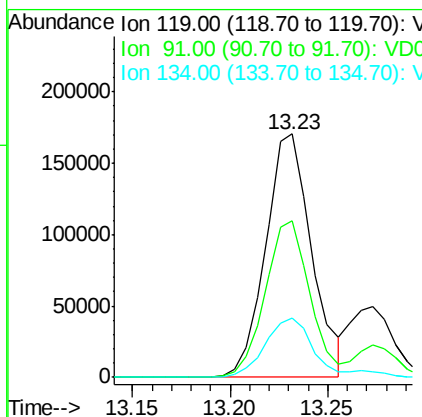
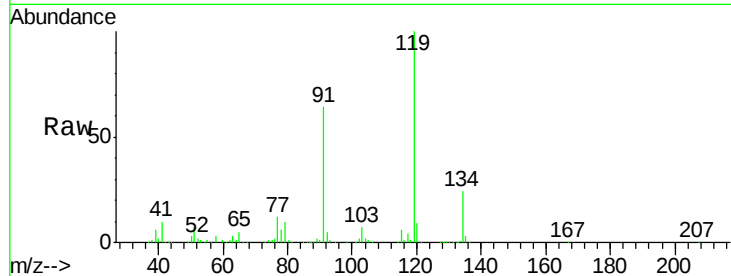
#83
tert-Butylbenzene
Concen: 22.433 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	278460		
91	62.4		32.8	98.3
134	24.9		13.9	41.7

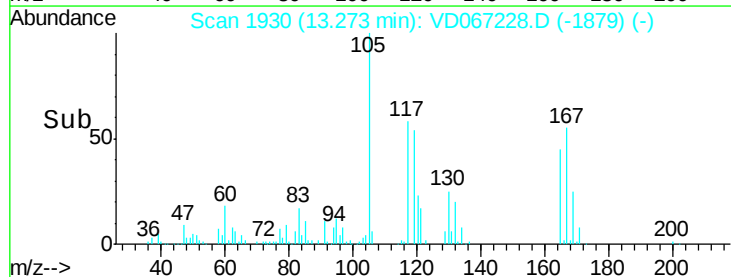
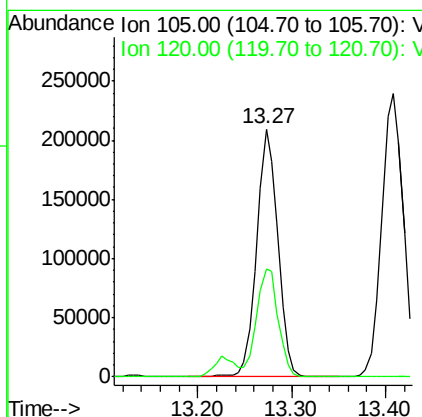
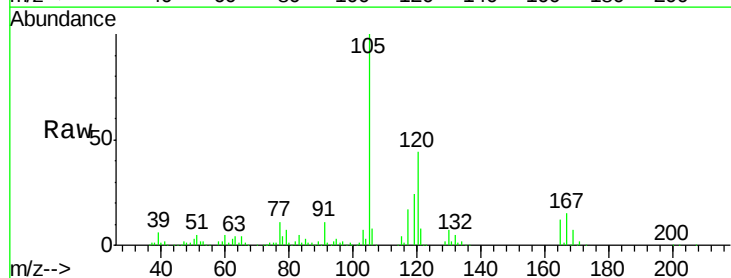
Manual Integrations
APPROVED

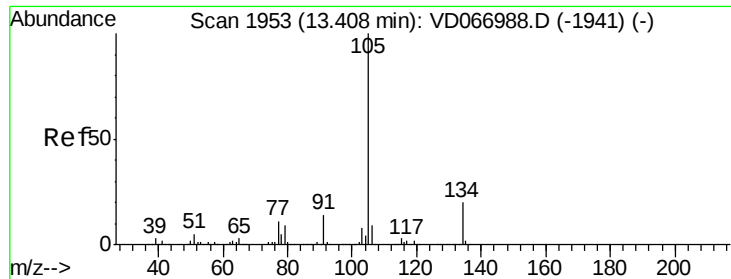
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#84
1,2,4-Trimethylbenzene
Concen: 22.152 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	325869		
120	45.0		23.3	69.8





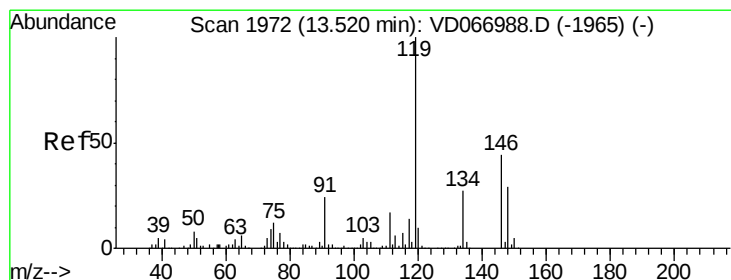
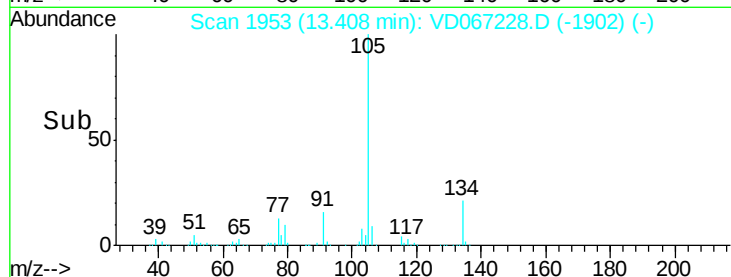
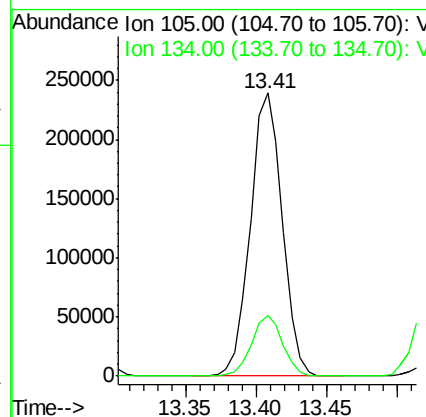
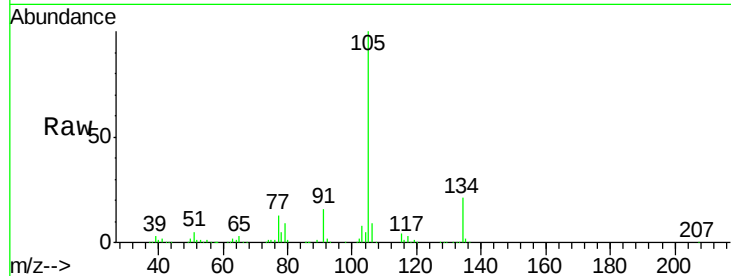
#85
 sec-Butylbenzene
 Concen: 21.653 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1012SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.8

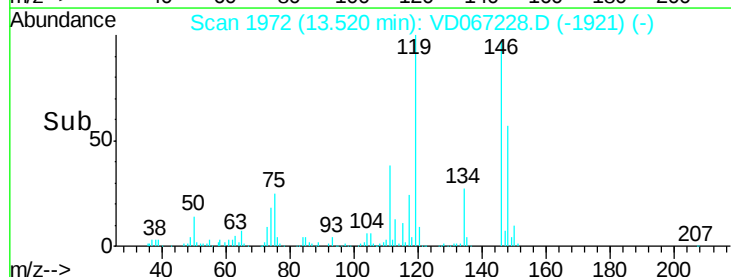
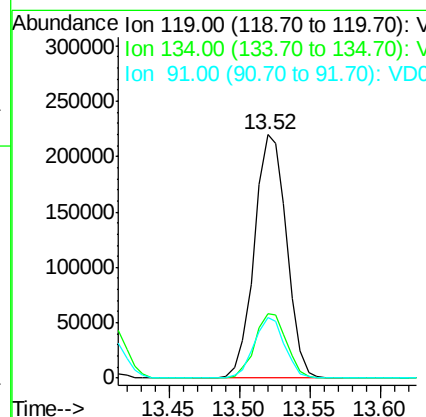
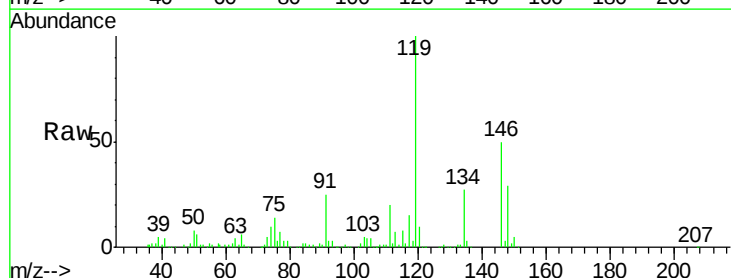
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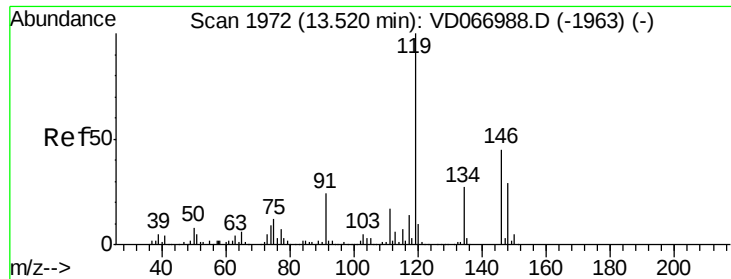
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#86
 p-Isopropyltoluene
 Concen: 21.766 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.1	39.1
91	23.4	11.7	35.1





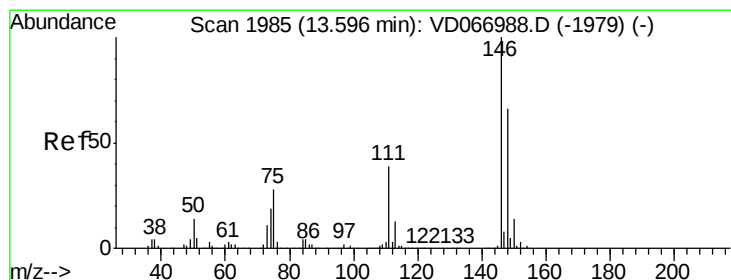
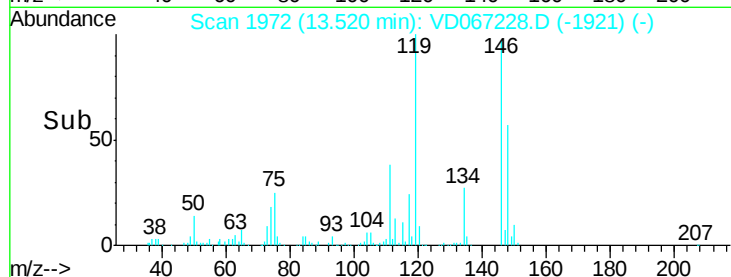
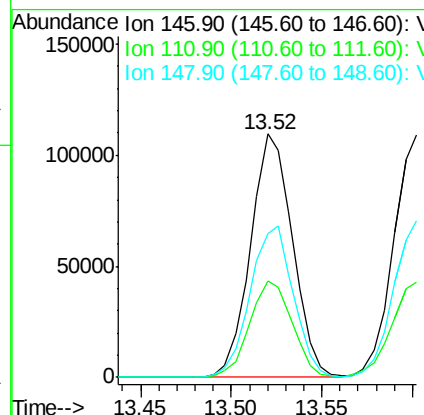
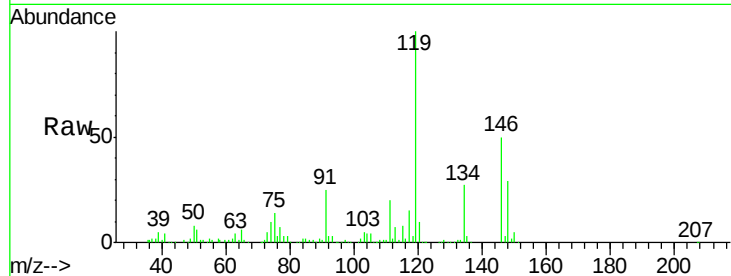
#87
 1,3-Dichlorobenzene
 Concen: 21.533 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	176693		
111	40.4	20.0	60.0	
148	63.8	31.9	95.9	

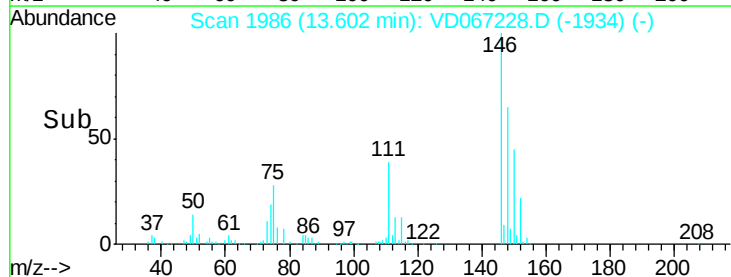
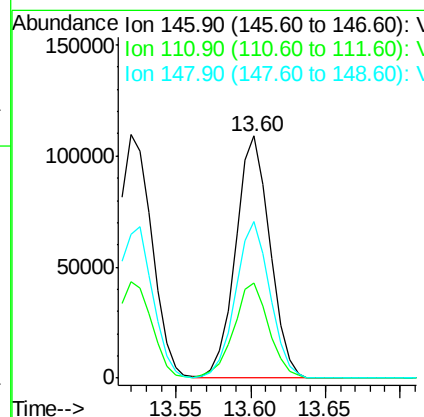
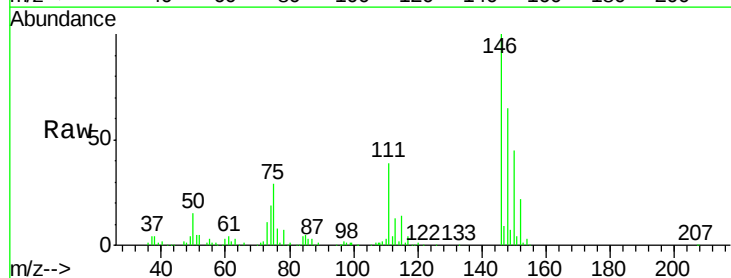
Manual Integrations
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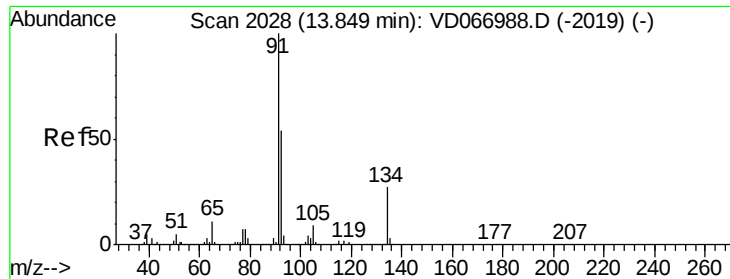
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#88
 1,4-Dichlorobenzene
 Concen: 21.278 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	174587		
111	40.3	19.6	58.7	
148	64.9	32.6	97.7	





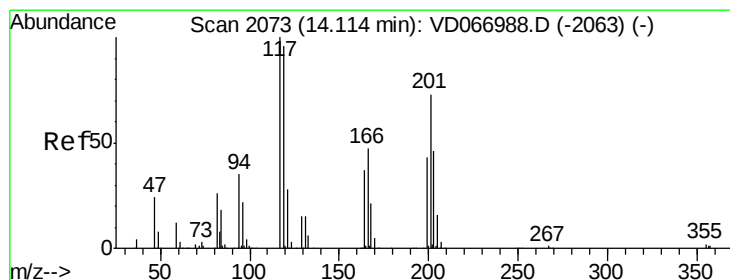
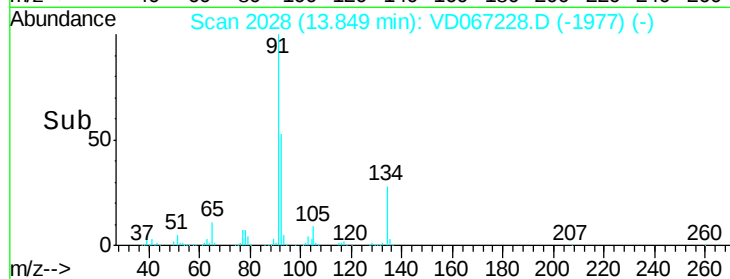
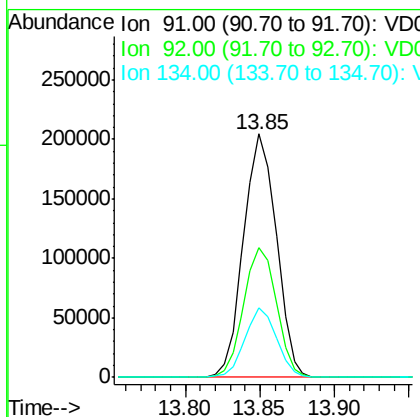
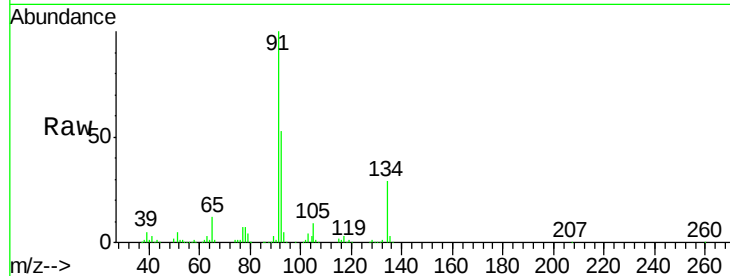
#89
n-Butylbenzene
Concen: 21.164 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	27.1	81.2
134	27.4	13.6	40.8

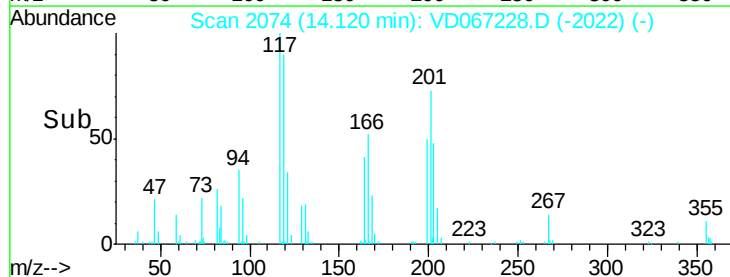
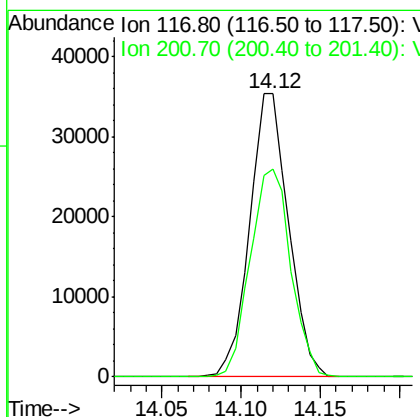
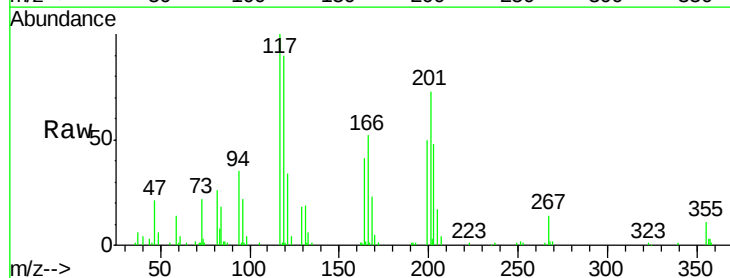
Manual Integrations
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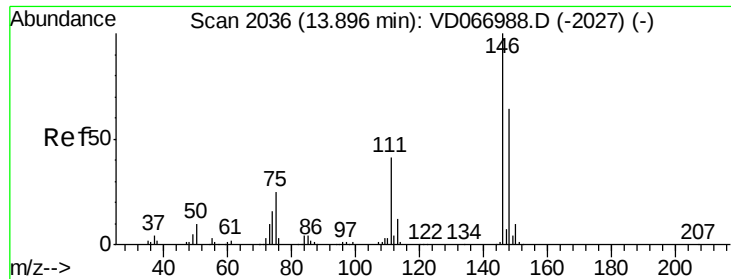
MMDadoda
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#90
Hexachloroethane
Concen: 21.248 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.7	37.0	110.9





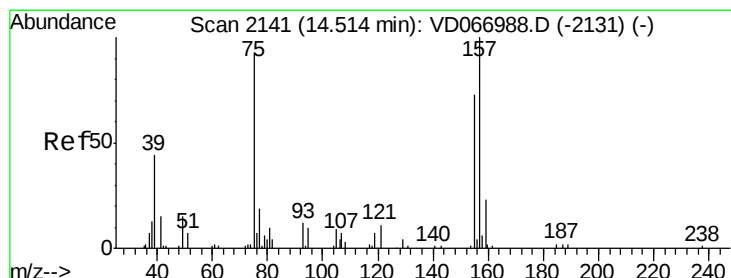
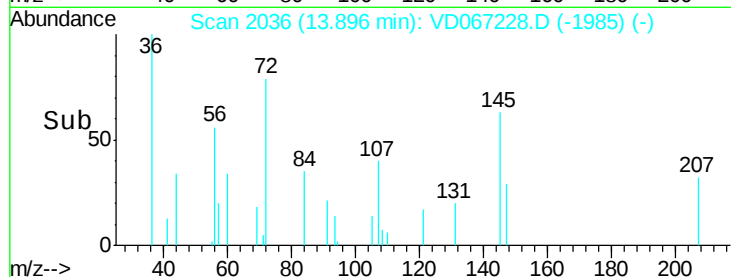
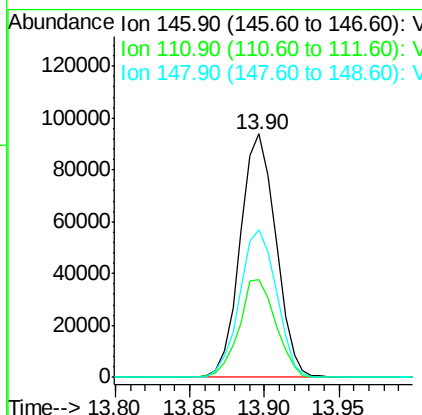
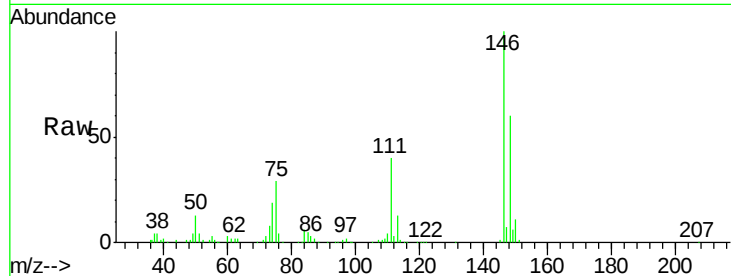
#91
 1,2-Dichlorobenzene
 Concen: 21.714 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.9	62.7
148	62.6	32.3	96.9

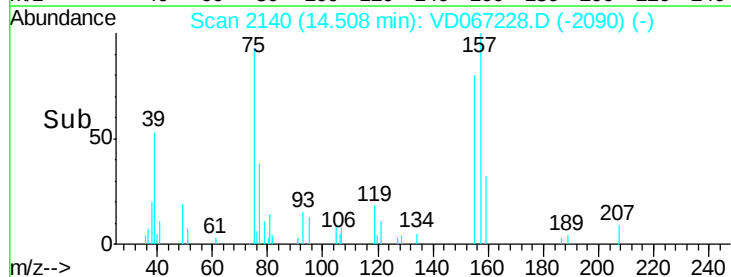
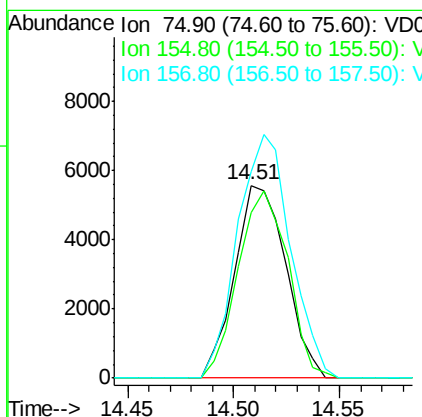
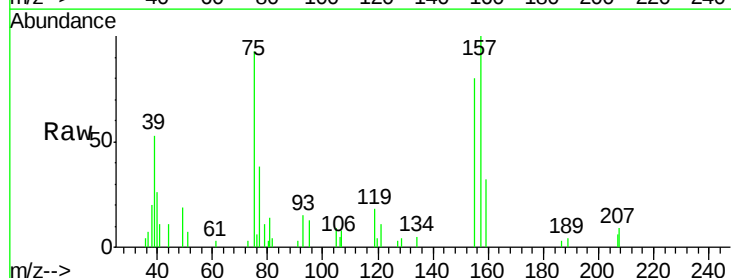
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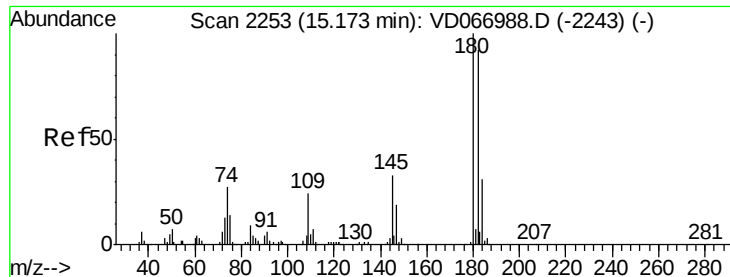
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.721 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.7	45.2	135.6
157	131.1	56.3	168.8





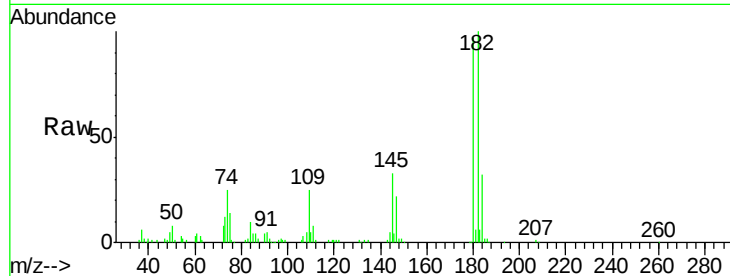
#93
 1,2,4-Trichlorobenzene
 Concen: 22.232 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1012SBSD01

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	98.8	47.3	142.0
145	32.1	16.4	49.1

Manual Integrations
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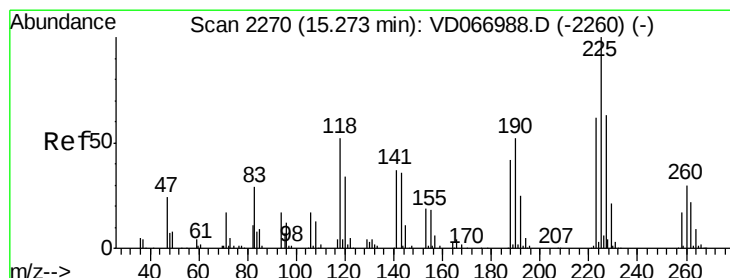
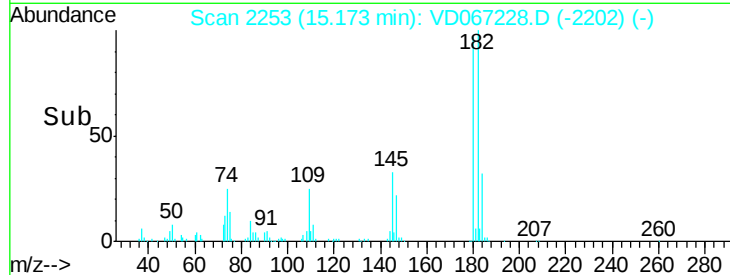
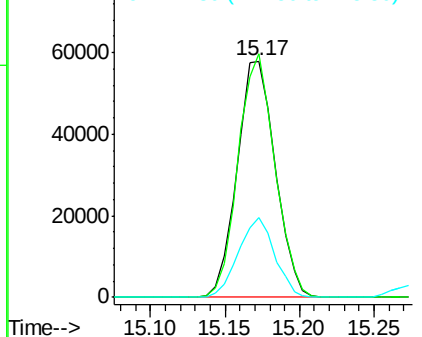


Abundance

Ion 179.80 (179.50 to 180.50): V

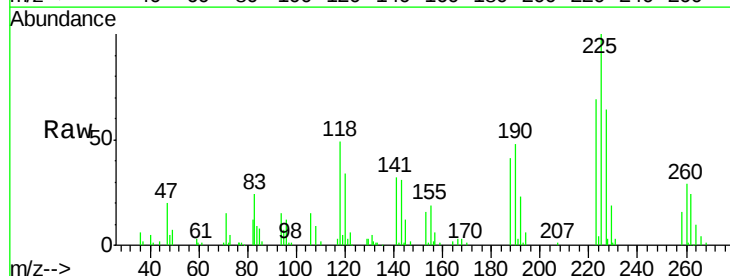
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 22.123 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067228.D
 Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	64.1	32.4	97.0
227	66.9	31.6	95.0

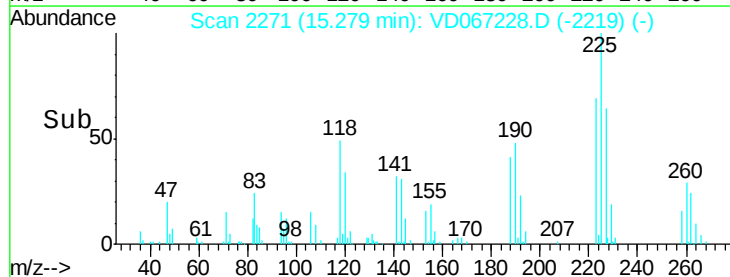
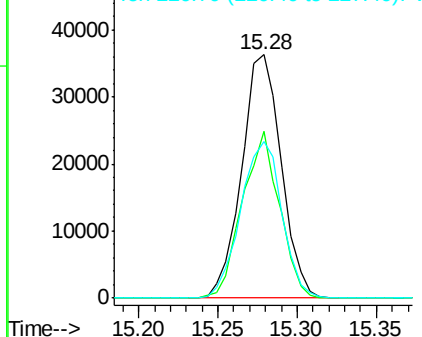


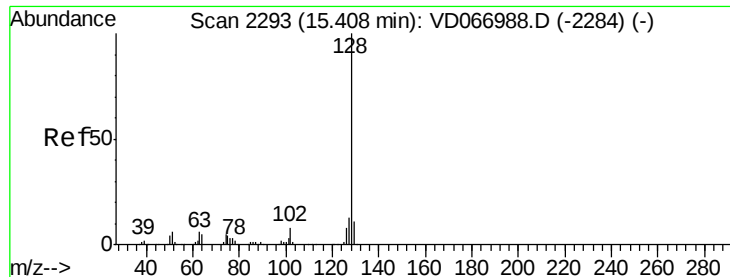
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





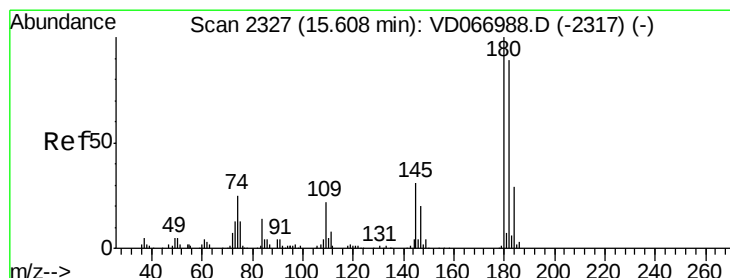
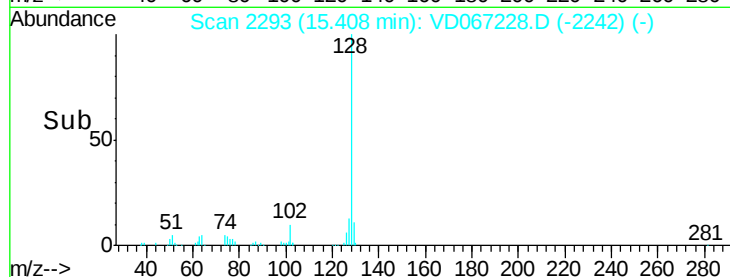
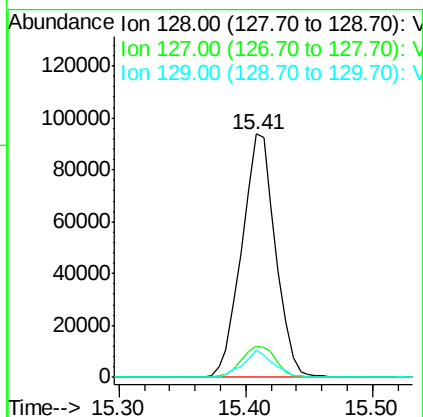
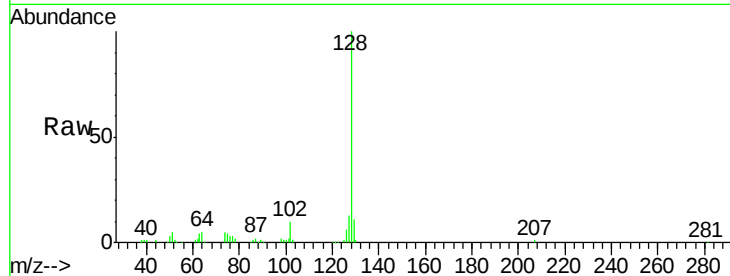
#95
Naphthalene
Concen: 22.448 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Instrument :
MSVOA_D
ClientSampleId :
VD1012SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	9.9	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.534 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067228.D
Acq: 12 Oct 2020 12:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.4	139.1
145	34.5	16.6	49.7

