

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066631.D
 Acq On : 11 Sep 2020 00:22
 Operator : VA/SY
 Sample : VD0910SBS02
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:18:04 AM

Quant Time: Sep 11 03:16:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	324167	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	564743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	520319	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	238692	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	219312	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
35) Dibromofluoromethane	7.91	113	201562	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	10.34	98	727712	53.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.63	95	240156	53.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64757	21.982	ug/l	96
3) Chloromethane	2.21	50	88517	21.592	ug/l	99
4) Vinyl Chloride	2.35	62	90544	19.913	ug/l	98
5) Bromomethane	2.76	94	63710	19.377	ug/l	92
6) Chloroethane	2.92	64	58098	20.117	ug/l	96
7) Trichlorofluoromethane	3.27	101	136614	20.339	ug/l	93
8) Diethyl Ether	3.71	74	37004	21.877	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	74222	20.417	ug/l	99
10) Methyl Iodide	4.30	142	64551	21.924	ug/l	98
11) Tert butyl alcohol	5.22	59	32594	106.858	ug/l #	74
12) 1,1-Dichloroethene	4.07	96	69416	21.254	ug/l	98
13) Acrolein	3.93	56	12957	80.795	ug/l	90
14) Allyl chloride	4.71	41	111892	20.904	ug/l	99
15) Acrylonitrile	5.42	53	83981	115.581	ug/l	98
16) Acetone	4.16	43	68583	95.035	ug/l	95
17) Carbon Disulfide	4.40	76	227259	21.166	ug/l	99
18) Methyl Acetate	4.72	43	42947	24.965	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	168964	22.061	ug/l	93
20) Methylene Chloride	4.96	84	107022	23.736	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	83330	21.486	ug/l	92
22) Diisopropyl ether	6.36	45	253111	22.995	ug/l	94
23) Vinyl Acetate	6.30	43	692340	110.530	ug/l	95
24) 1,1-Dichloroethane	6.26	63	155288	22.434	ug/l	99
25) 2-Butanone	7.21	43	102748	106.063	ug/l	95
26) 2,2-Dichloropropane	7.20	77	120484	18.976	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	91817	22.015	ug/l	98
28) Bromochloromethane	7.54	49	55585	20.858	ug/l #	98
29) Tetrahydrofuran	7.56	42	64548	106.987	ug/l	97
30) Chloroform	7.70	83	162300	22.163	ug/l	91
31) Cyclohexane	7.98	56	128313	20.054	ug/l #	96
32) 1,1,1-Trichloroethane	7.90	97	143046	20.777	ug/l	100
36) 1,1-Dichloropropene	8.11	75	113852	19.372	ug/l	97
37) Ethyl Acetate	7.28	43	48130	20.566	ug/l #	90
38) Carbon Tetrachloride	8.09	117	125488	20.200	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	125106	19.063	ug/l	99
40) Benzene	8.34	78	341741	21.231	ug/l	98
41) Methacrylonitrile	7.53	41	27138	23.956	ug/l #	87
42) 1,2-Dichloroethane	8.42	62	109814	21.056	ug/l	100
43) Isopropyl Acetate	8.45	43	92091	20.533	ug/l	97
44) Trichloroethene	9.11	130	86867	20.574	ug/l	99
45) 1,2-Dichloropropane	9.38	63	86545	21.380	ug/l	91
46) Dibromomethane	9.47	93	47080	21.081	ug/l	98
47) Bromodichloromethane	9.66	83	125782	20.817	ug/l	99
48) Methyl methacrylate	9.45	41	42849	18.894	ug/l	89
49) 1,4-Dioxane	9.46	88	11501	469.406	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	247666	109.496	ug/l	99
52) Toluene	10.40	92	218255	21.420	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	107543	20.162	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	126832	19.801	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	62598	21.800	ug/l	99
56) Ethyl methacrylate	10.66	69	69755	20.864	ug/l	96
57) 1,3-Dichloropropane	10.94	76	108207	21.514	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	183043	119.695	ug/l	98
59) 2-Hexanone	10.98	43	156459	102.861	ug/l	97
60) Dibromochloromethane	11.14	129	82745	21.791	ug/l	94
61) 1,2-Dibromoethane	11.24	107	60477	21.648	ug/l	98
64) Tetrachloroethene	10.87	164	66547	18.995	ug/l	91
65) Chlorobenzene	11.67	112	220402	20.524	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	82003	20.008	ug/l	98
67) Ethyl Benzene	11.74	91	389334	19.744	ug/l	98
68) m/p-Xylenes	11.85	106	297238	40.597	ug/l	99
69) o-Xylene	12.18	106	131637	20.062	ug/l	99
70) Styrene	12.19	104	237687	20.836	ug/l	99
71) Bromoform	12.36	173	43548	21.083	ug/l #	100
73) Isopropylbenzene	12.48	105	359356	20.334	ug/l	100
74) N-amyl acetate	12.28	43	81504	20.363	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	64655	20.709	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	42111m	18.344	ug/l	
77) Bromobenzene	12.76	156	83840	21.279	ug/l	99
78) n-propylbenzene	12.82	91	432289	20.178	ug/l	99
79) 2-Chlorotoluene	12.91	91	256325	21.327	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	303804	20.425	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	19509	19.841	ug/l	97
82) 4-Chlorotoluene	13.00	91	273875	21.310	ug/l	98
83) tert-Butylbenzene	13.23	119	248914	20.492	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	307359	20.755	ug/l	99
85) sec-Butylbenzene	13.40	105	352880	20.165	ug/l	99
86) p-Isopropyltoluene	13.52	119	314728	19.981	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	162722	20.803	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	158026	20.129	ug/l	98
89) n-Butylbenzene	13.84	91	286608	18.673	ug/l	100
90) Hexachloroethane	14.11	117	68804	20.273	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	141724	20.729	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11414	21.521	ug/l	94

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VD0910SBSD02

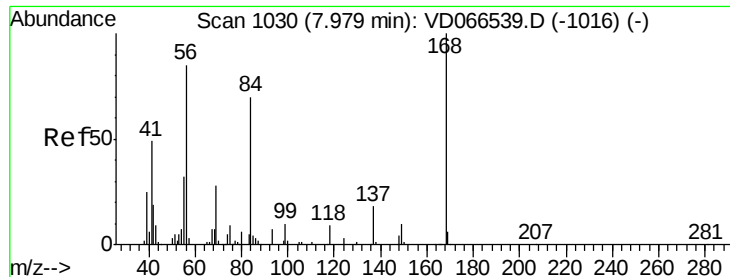
Manual Integrations
APPROVED

MMDadoda
9/11/2020 10:18:04 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	80450	19.607	ug/l	96
94) Hexachlorobutadiene	15.27	225	47121	19.116	ug/l	97
95) Naphthalene	15.40	128	150111	20.936	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	73642	21.052	ug/l	99

(#) = 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: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion:168 Resp: 324167

Ion Ratio Lower Upper

168 100

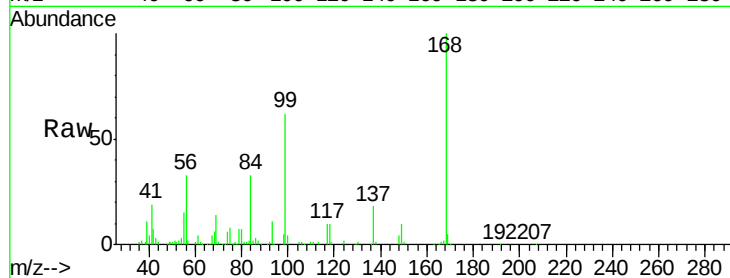
99 62.0 50.5 75.7

Manual Integrations

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9/11/2020 10:18:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

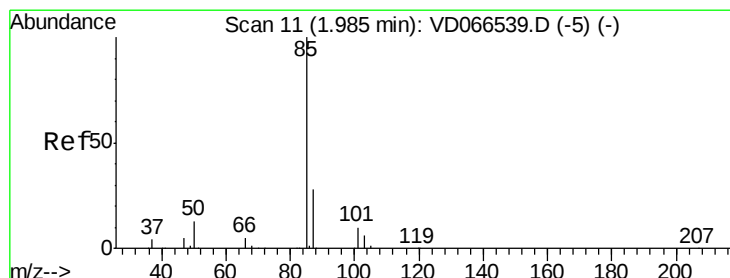
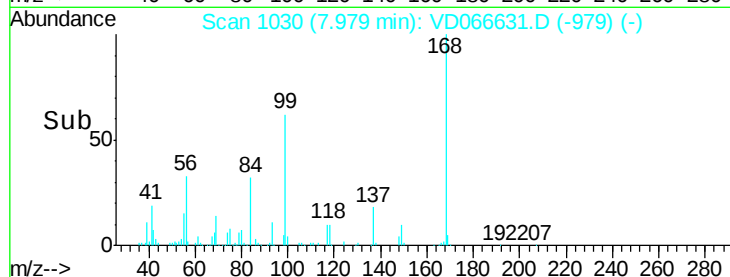
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.982 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066631.D

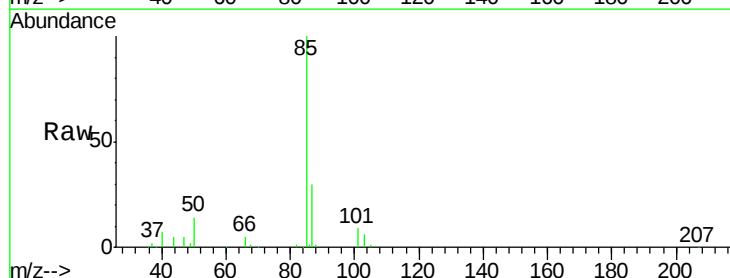
Acq: 11 Sep 2020 00:22

Tgt Ion: 85 Resp: 64757

Ion Ratio Lower Upper

85 100

87 30.4 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

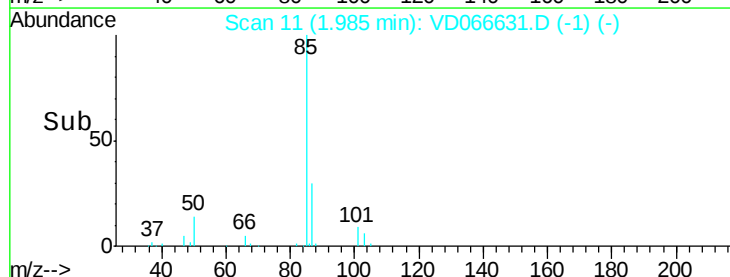
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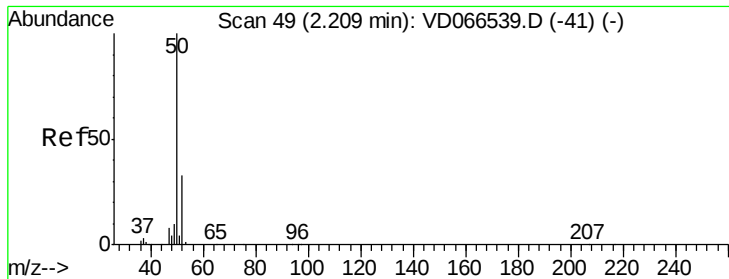
20000

10000

0

Time-->





#3

Chloromethane

Concen: 21.592 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 50 Resp: 88517

Ion Ratio Lower Upper

50 100

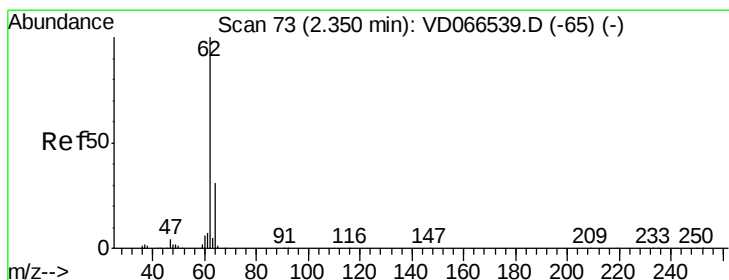
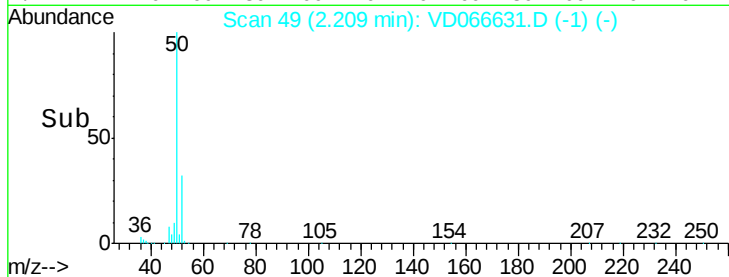
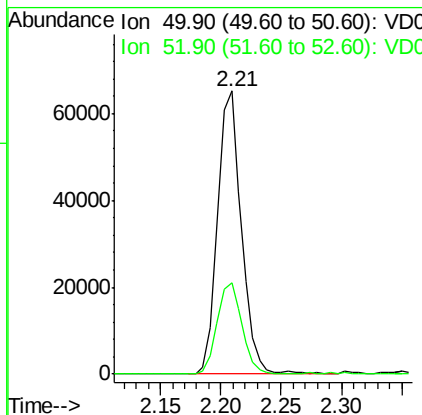
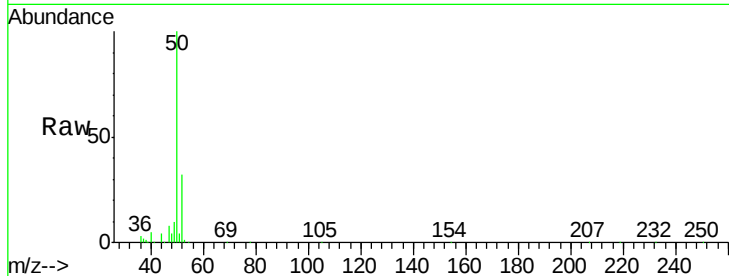
52 32.2 26.2 39.2

Manual Integrations

APPROVED

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9/11/2020 10:18:04 AM



#4

Vinyl Chloride

Concen: 19.913 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066631.D

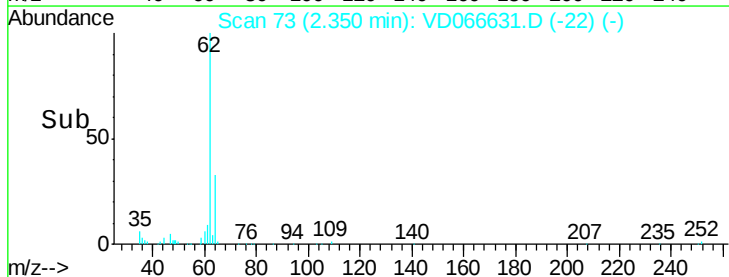
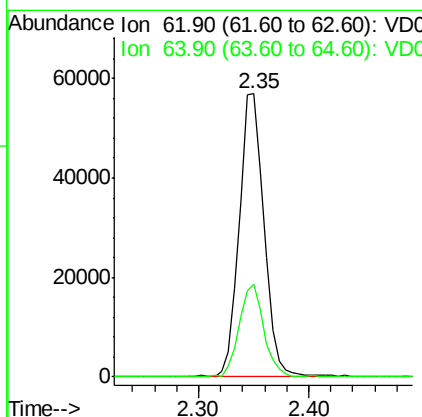
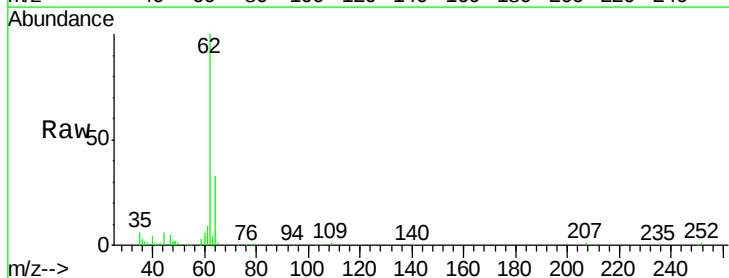
Acq: 11 Sep 2020 00:22

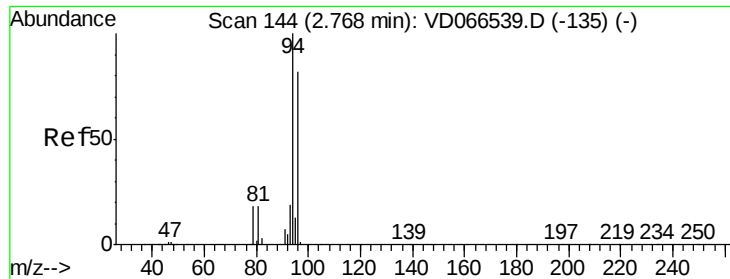
Tgt Ion: 62 Resp: 90544

Ion Ratio Lower Upper

62 100

64 32.9 25.3 37.9





#5

Bromomethane

Concen: 19.377 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

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ClientSampleId :

VD0910SBS02

Tot Ion: 94 Resp: 63710

Ion Ratio Lower Upper

94 100

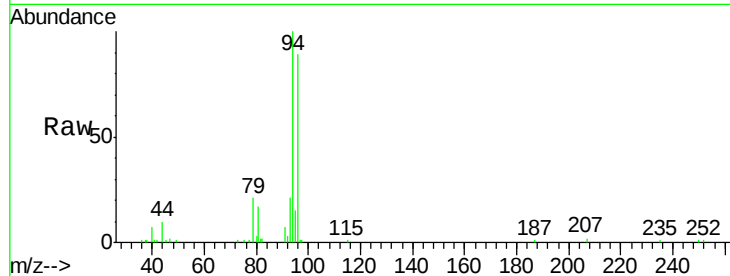
96 88.9 65.2 97.8

Manual Integrations

APPROVED

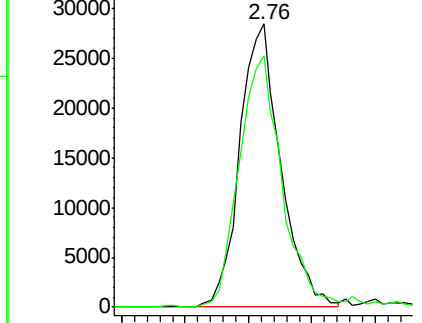
MMDadoda

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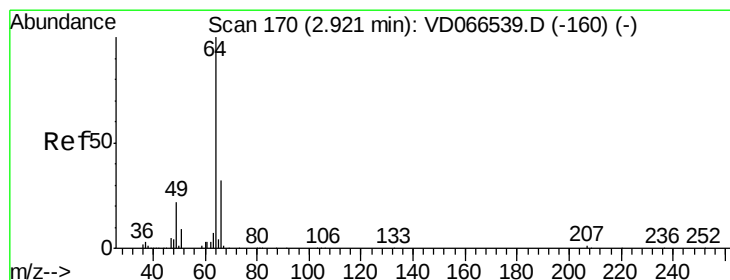
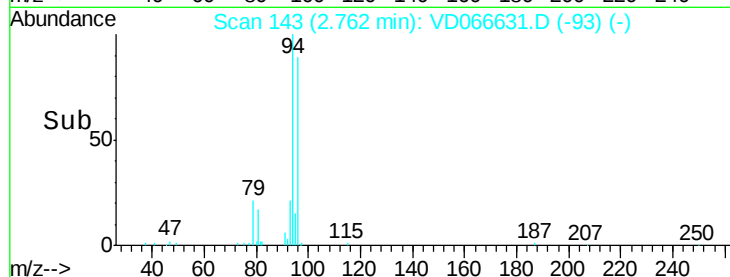


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 20.117 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066631.D

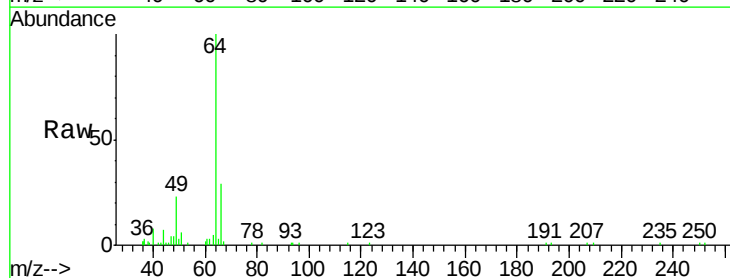
Acq: 11 Sep 2020 00:22

Tgt Ion: 64 Resp: 58098

Ion Ratio Lower Upper

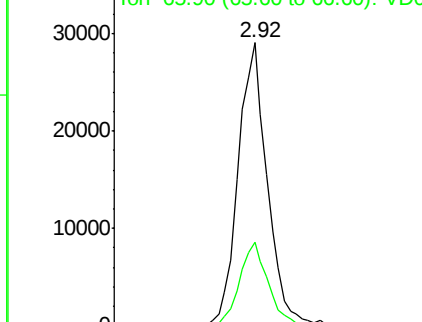
64 100

66 29.4 25.4 38.0

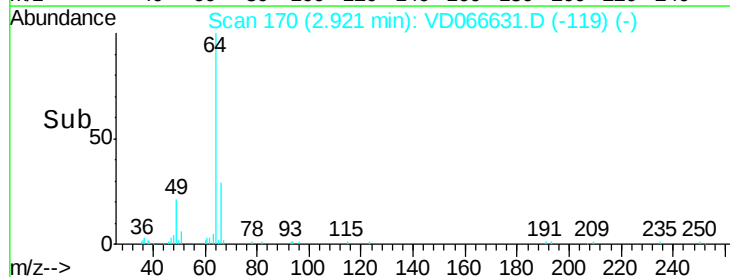


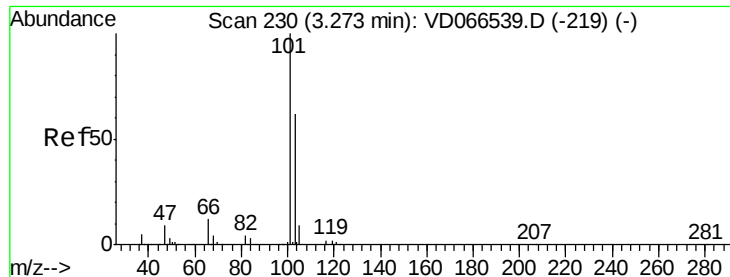
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

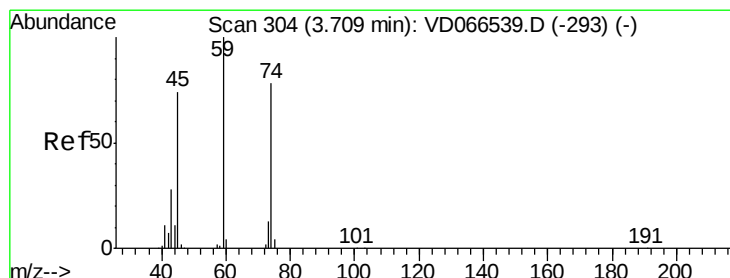
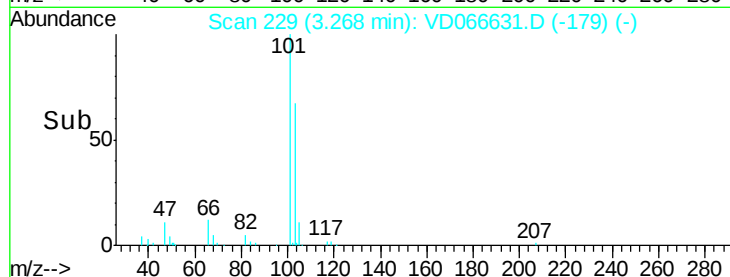
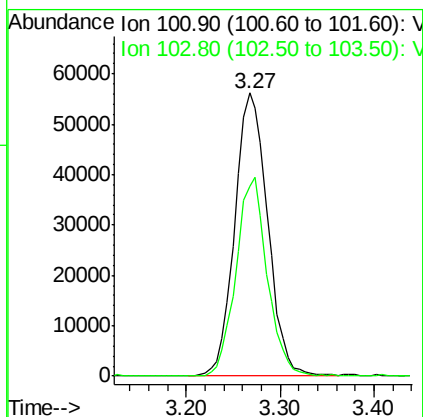
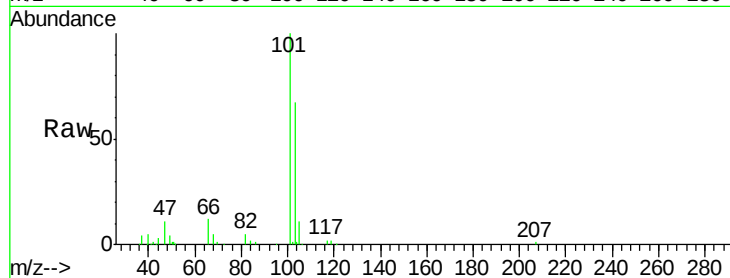
Trichlorofluoromethane
Concen: 20.339 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	49.7	74.5

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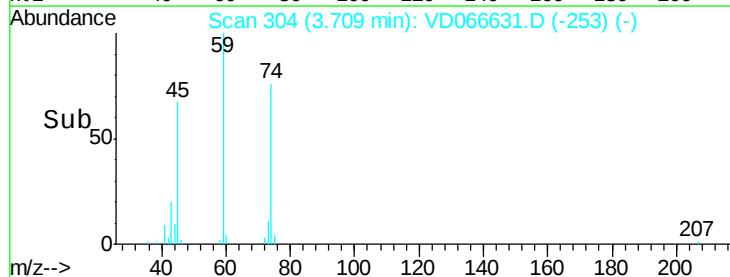
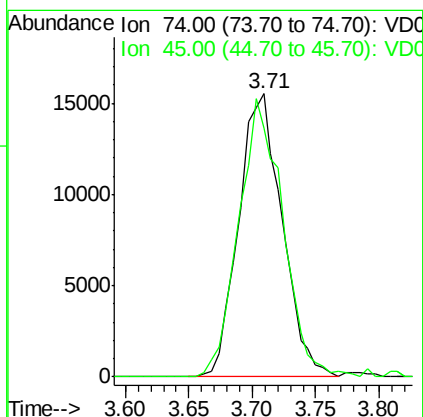
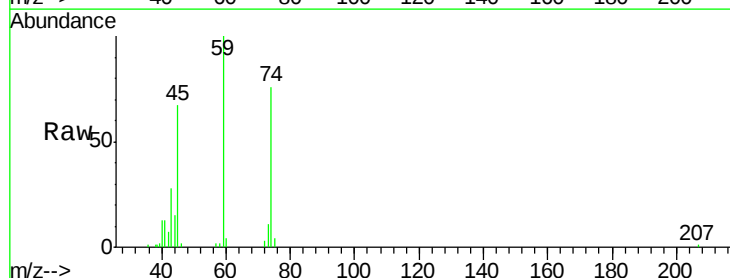
MMDadoda
9/11/2020 10:18:04 AM

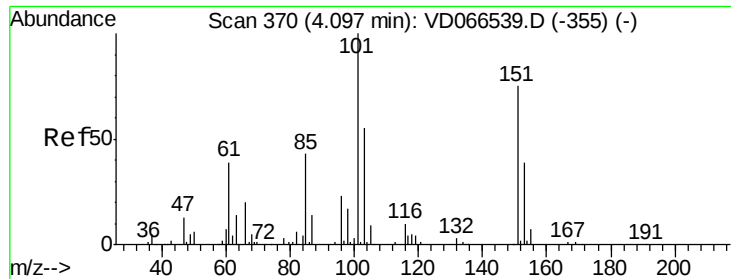


#8

Diethyl Ether
Concen: 21.877 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.417 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD066631.D

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Instrument :

MSVOA_D

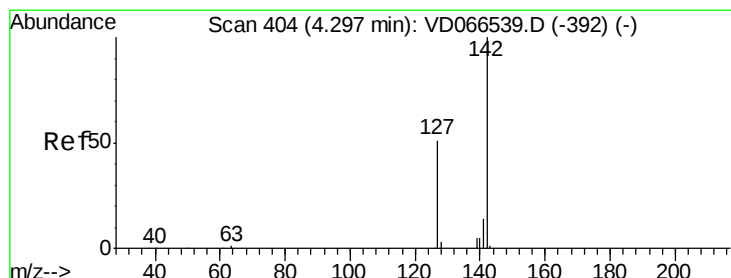
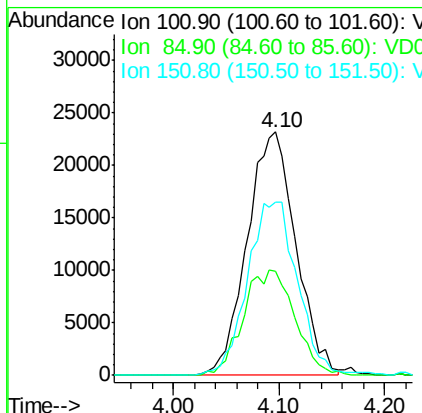
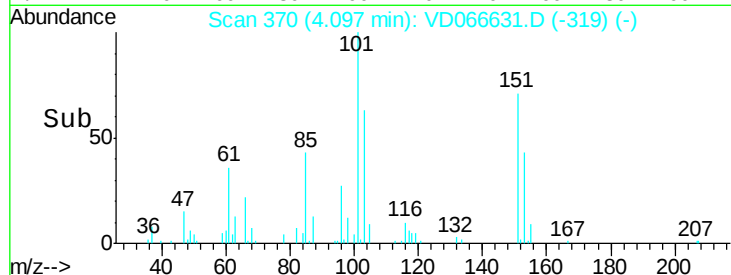
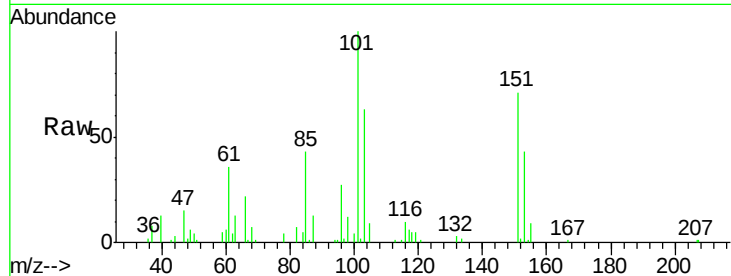
ClientSampleId :

VD0910SBS02

Tot Ion:	101	Resp:	74222
Ion Ratio	Lower	Upper	
101	100		
85	45.7	37.0	55.6
151	73.4	59.4	89.2

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#10

Methyl Iodide

Concen: 21.924 ug/l

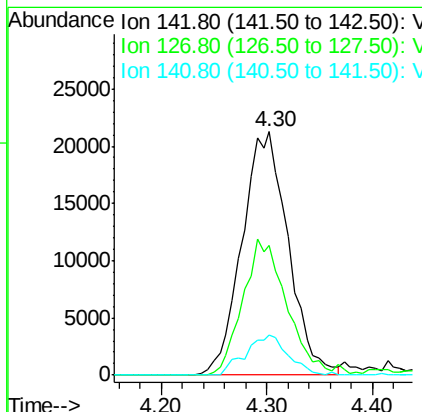
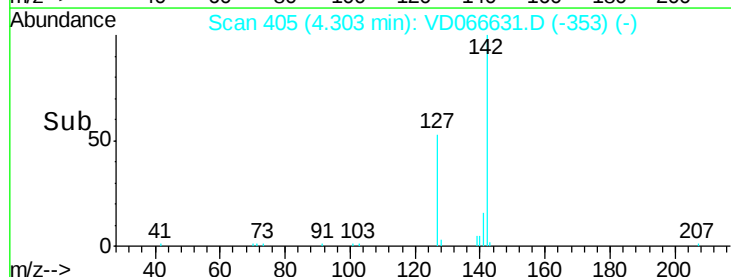
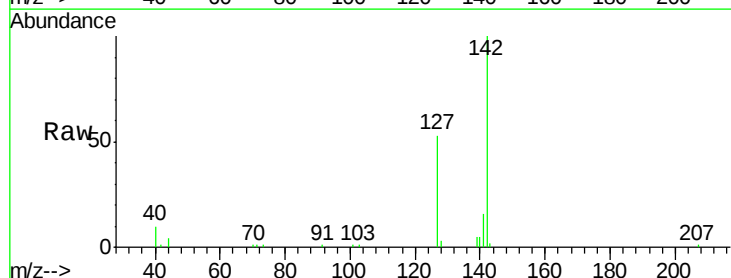
RT: 4.30 min Scan# 405

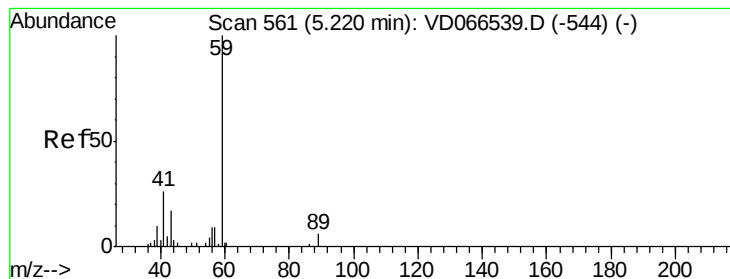
Delta R.T. 0.01 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Tgt Ion:	142	Resp:	64551
Ion Ratio	Lower	Upper	
142	100		
127	52.8	40.6	61.0
141	15.3	12.2	18.4





#11

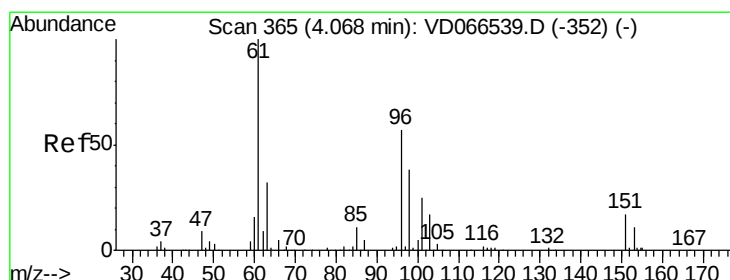
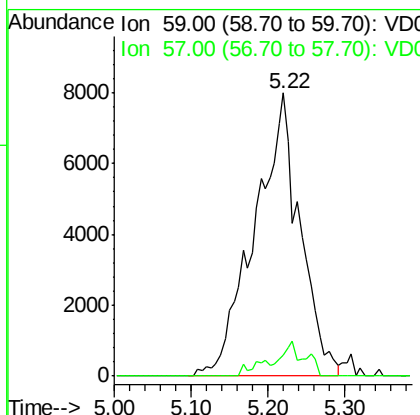
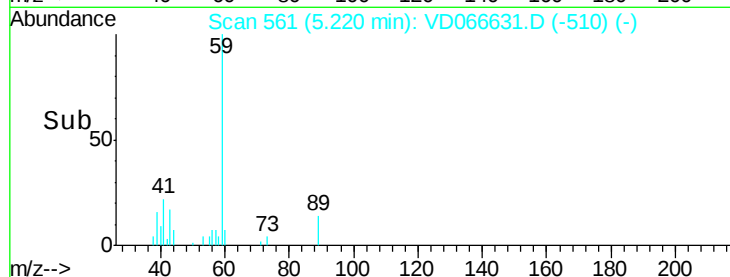
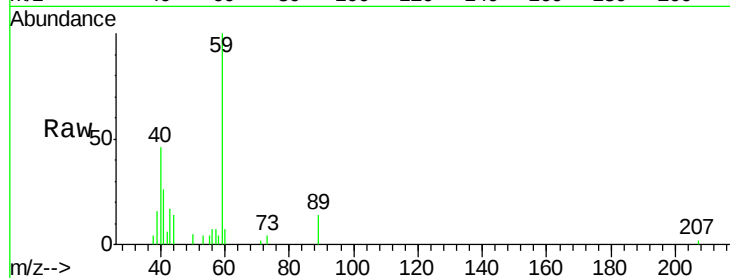
Tert butyl alcohol
Concen: 106.858 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion: 59 Resp: 32594
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#

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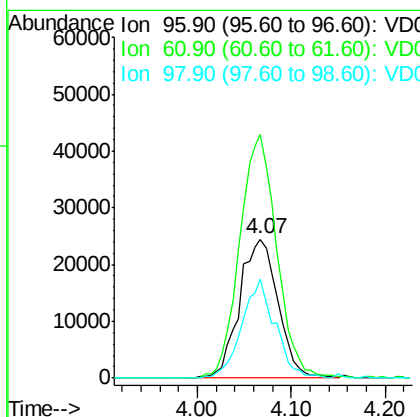
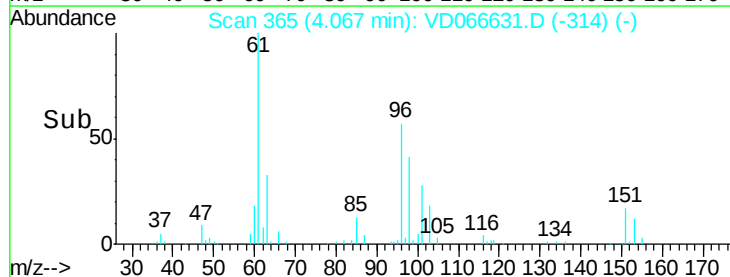
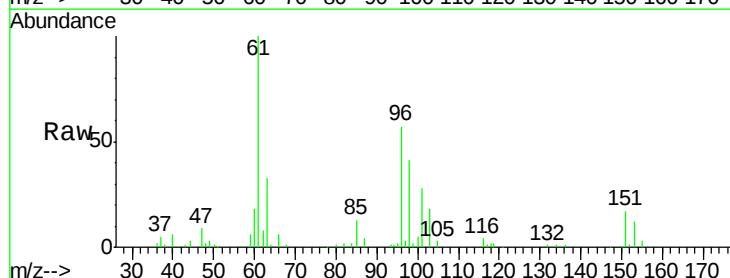
MMDadoda
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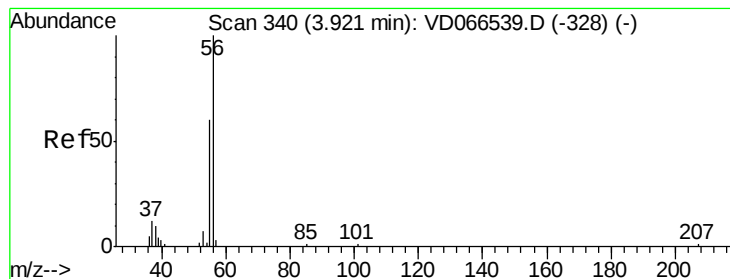


#12

1,1-Dichloroethene
Concen: 21.254 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion: 96 Resp: 69416
Ion Ratio Lower Upper
96 100
61 175.6 140.9 211.3
98 71.6 53.2 79.8





#13

Acrolein

Concen: 80.795 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 56 Resp: 12957

Ion Ratio Lower Upper

56 100

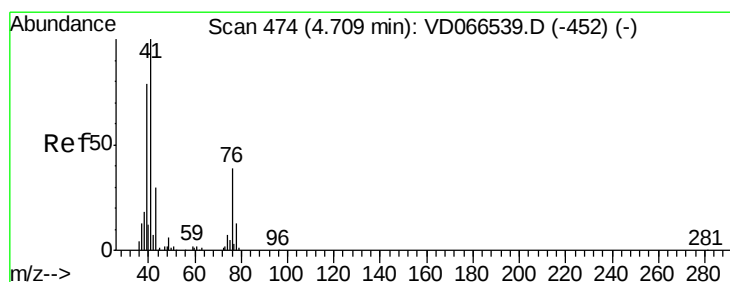
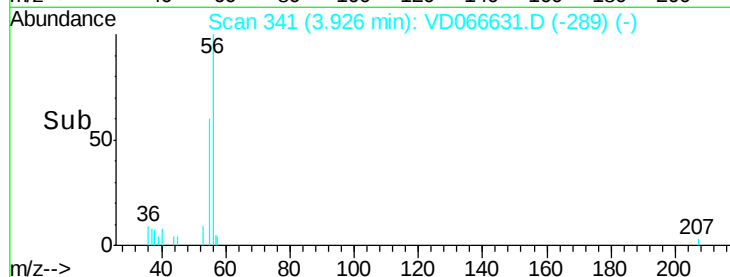
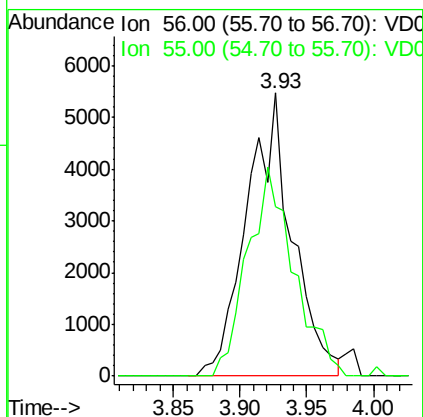
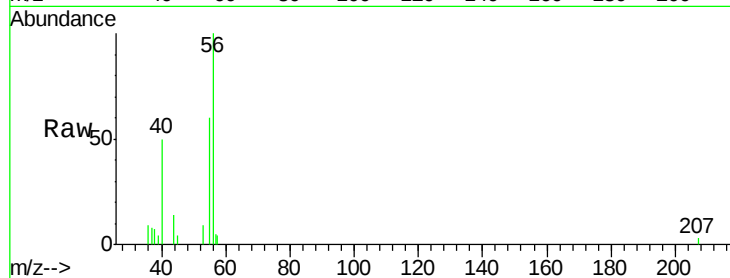
55 75.1 53.6 80.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.904 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

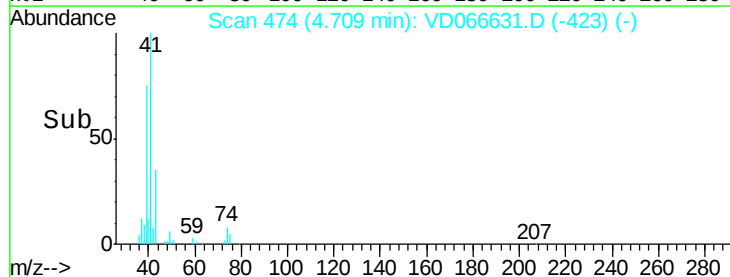
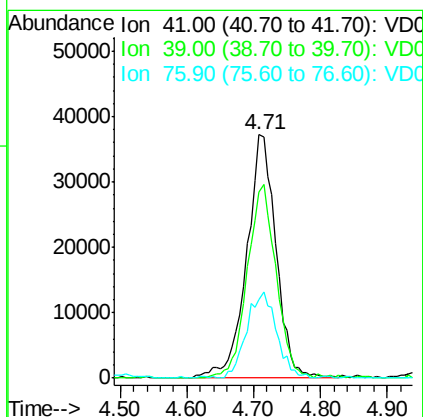
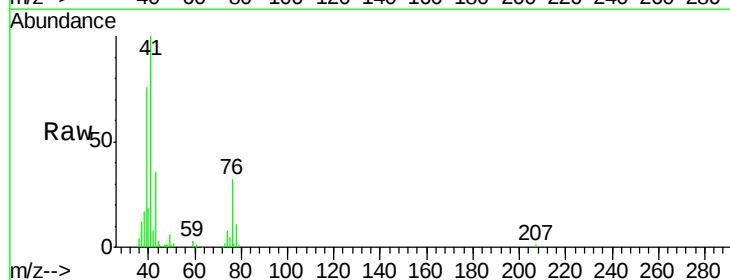
Tgt Ion: 41 Resp: 111892

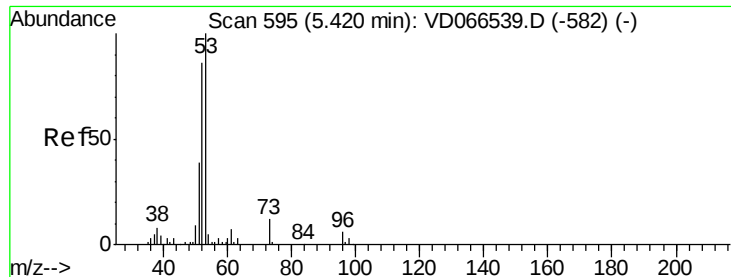
Ion Ratio Lower Upper

41 100

39 78.2 61.9 92.9

76 36.0 29.0 43.6





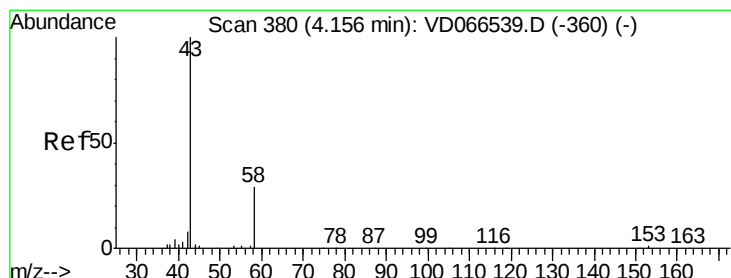
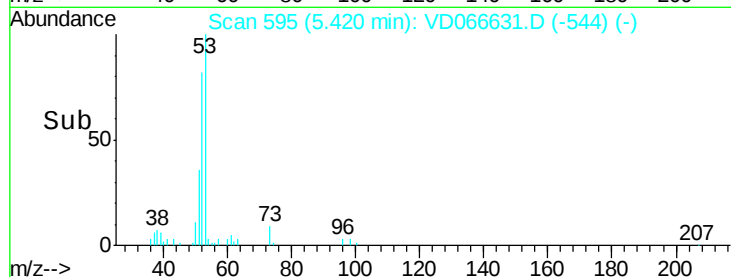
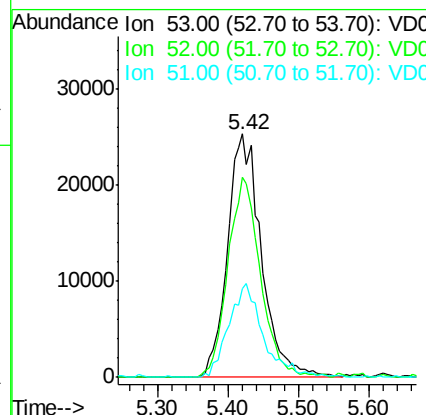
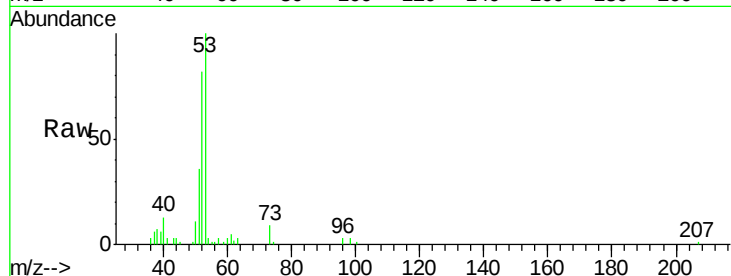
#15
 Acrylonitrile
 Concen: 115.581 ug/l
 RT: 5.42 min Scan# 595
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion:	53	Resp:	83981
Ion	Ratio	Lower	Upper
53	100		
52	78.9	65.4	98.2
51	38.4	31.2	46.8

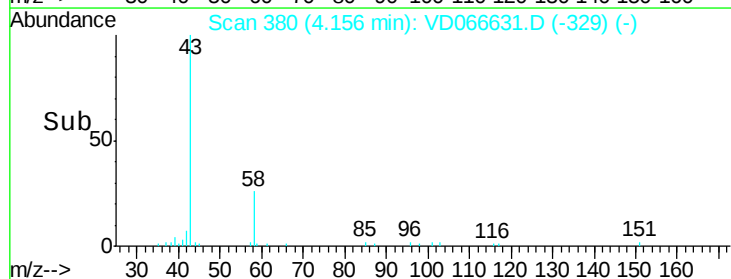
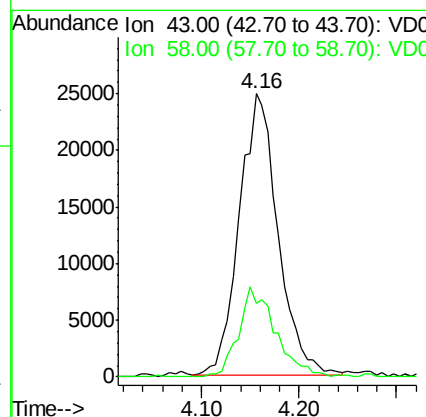
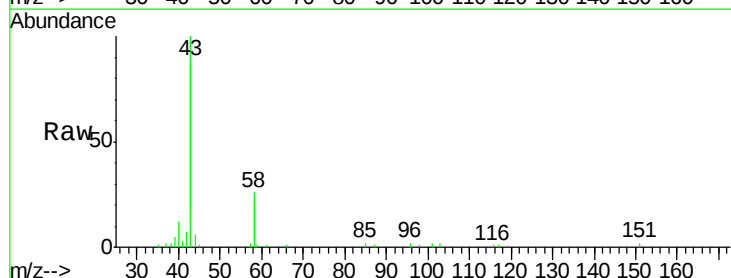
Manual Integrations
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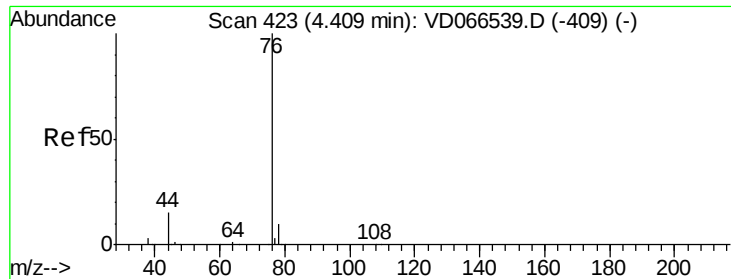
MMDadoda
 9/11/2020 10:18:04 AM



#16
 Acetone
 Concen: 95.035 ug/l
 RT: 4.16 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Tgt Ion:	43	Resp:	68583
Ion	Ratio	Lower	Upper
43	100		
58	25.9	22.9	34.3





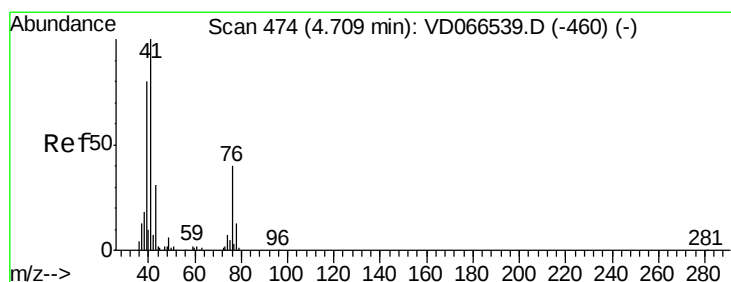
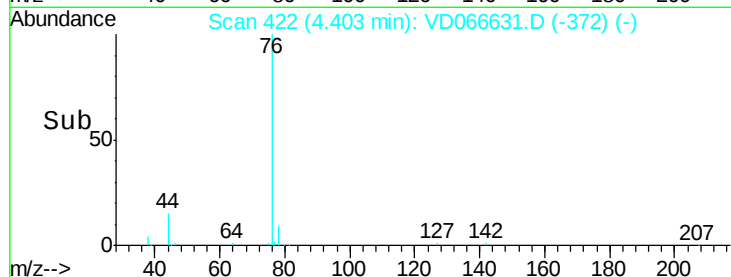
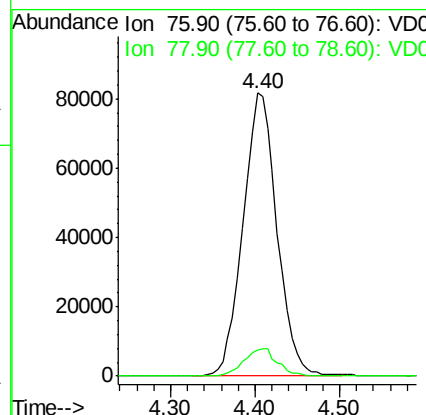
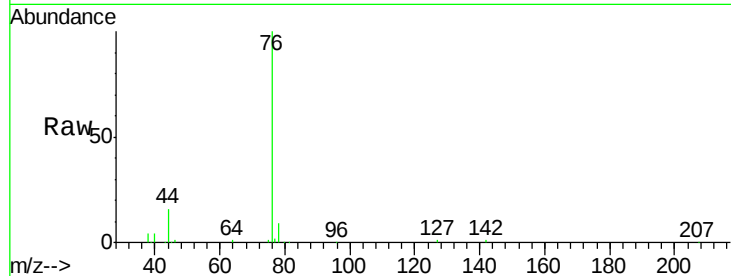
#17
Carbon Disulfide
Concen: 21.166 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

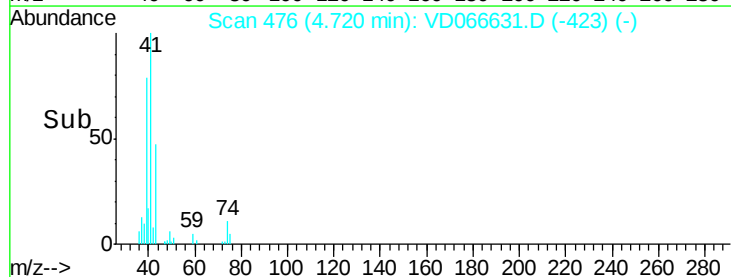
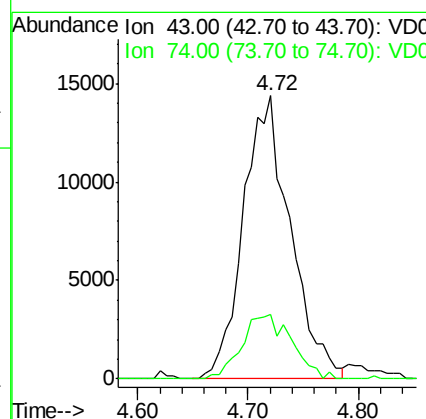
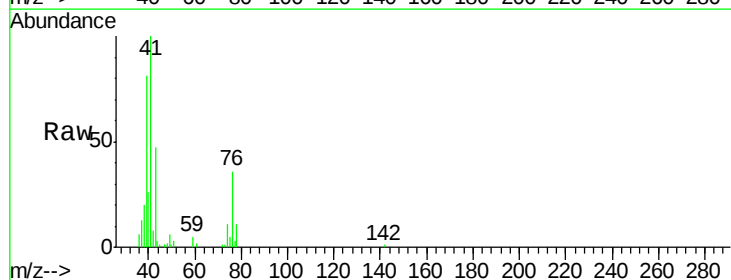
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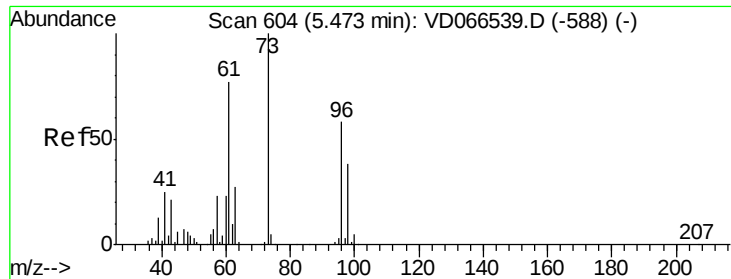
MMDadoda
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#18
Methyl Acetate
Concen: 24.965 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	18.0	27.0





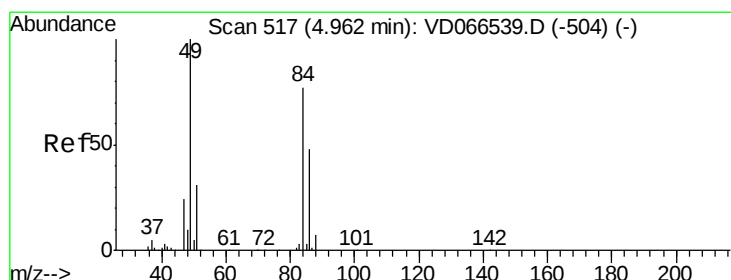
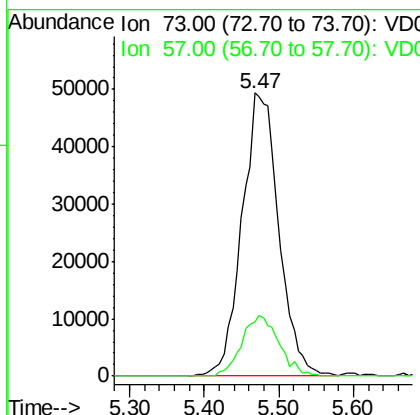
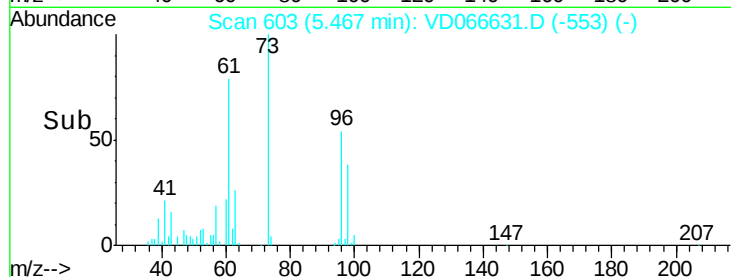
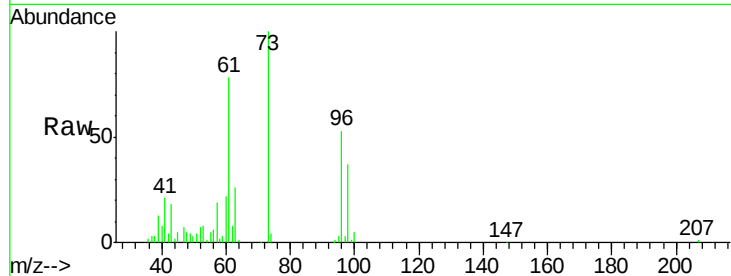
#19
Methvl tert-butvl Ether
Concen: 22.061 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion: 73 Resp: 168964
Ion Ratio Lower Upper
73 100
57 19.3 18.3 27.5

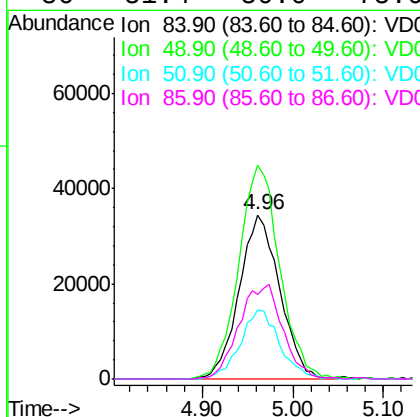
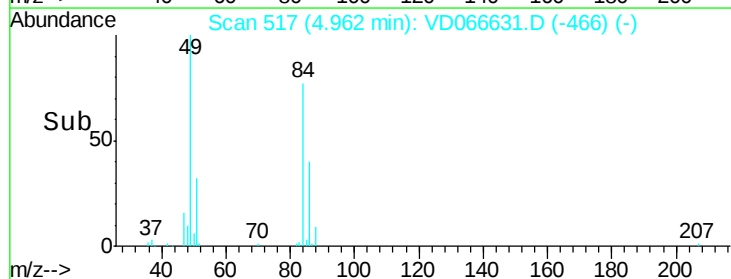
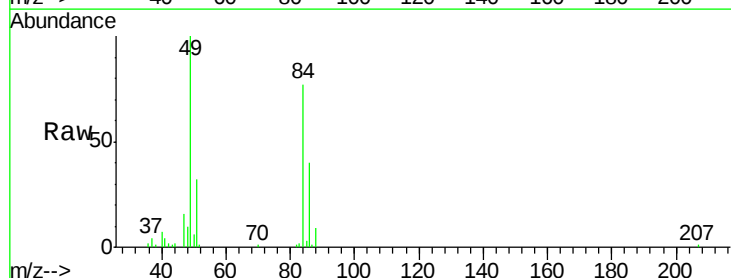
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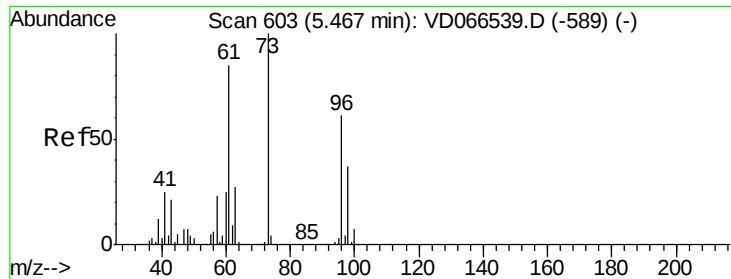
MMDadoda
9/11/2020 10:18:04 AM



#20
Methylene Chloride
Concen: 23.736 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion: 84 Resp: 107022
Ion Ratio Lower Upper
84 100
49 129.9 104.3 156.5
51 41.7 32.2 48.4
86 51.4 50.0 75.0





#21

trans-1,2-Dichloroethene

Concen: 21.486 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 96 Resp: 83330

Ion Ratio Lower Upper

96 100

61 147.2 112.1 168.1

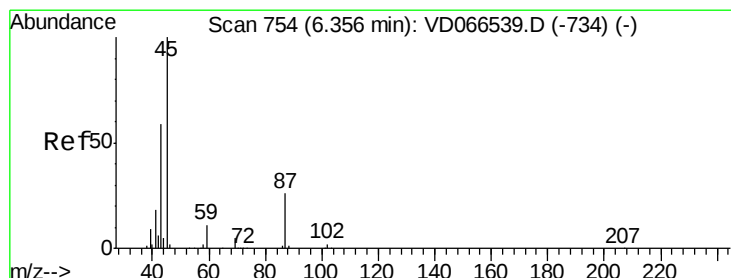
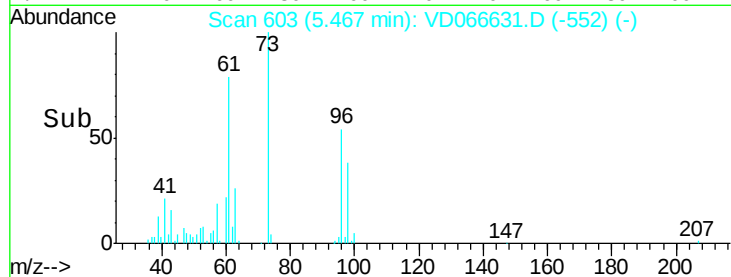
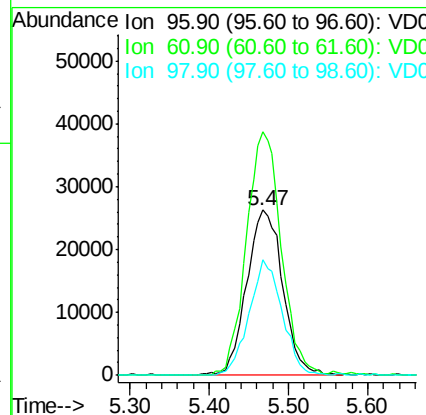
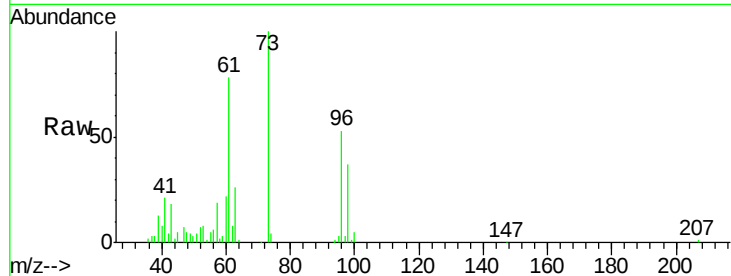
98 70.2 48.6 72.8

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#22

Diisopropyl ether

Concen: 22.995 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Tgt Ion: 45 Resp: 253111

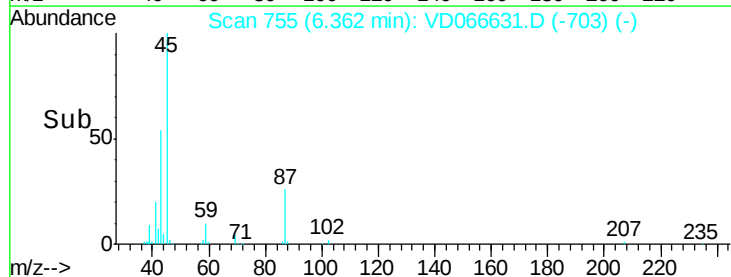
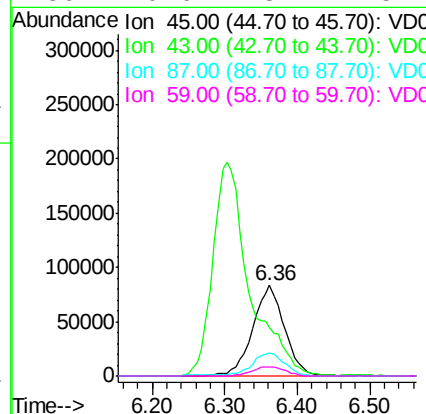
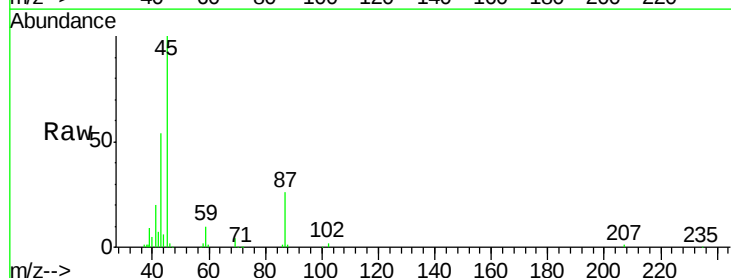
Ion Ratio Lower Upper

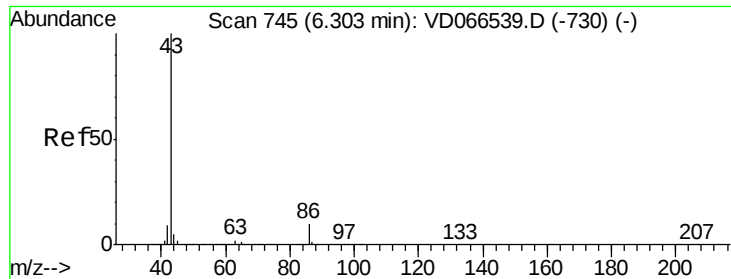
45 100

43 52.7 47.0 70.4

87 25.5 21.3 31.9

59 9.6 8.7 13.1





#23

Vinyl Acetate

Concen: 110.530 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

MSVOA_D

ClientSampleID :

VD0910SBS02

Tot Ion: 43 Resp: 692340

Ion Ratio Lower Upper

43 100

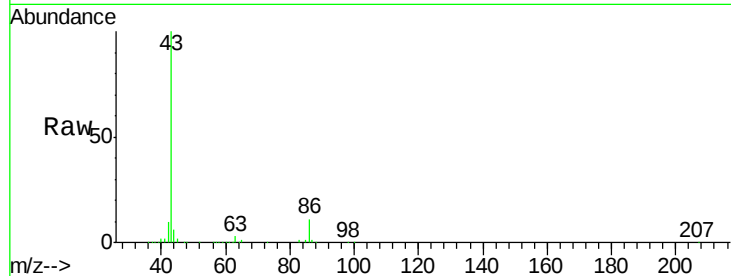
86 11.3 7.7 11.5

Manual Integrations

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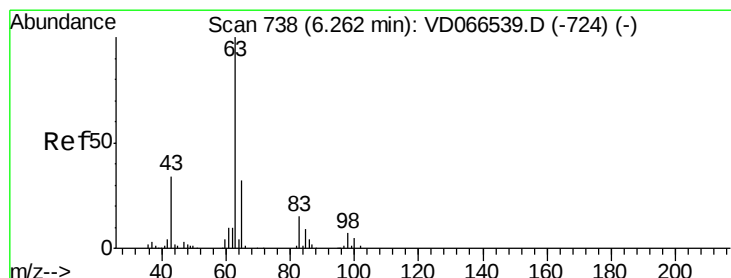
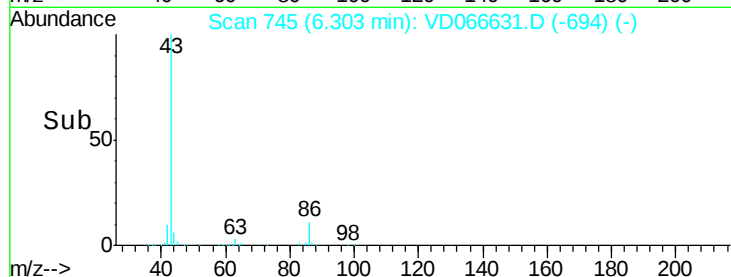
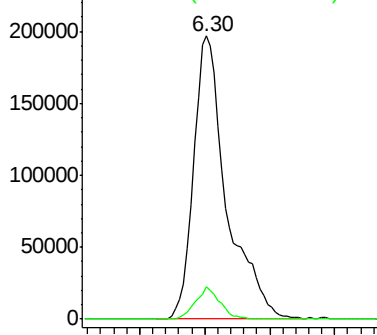
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.434 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

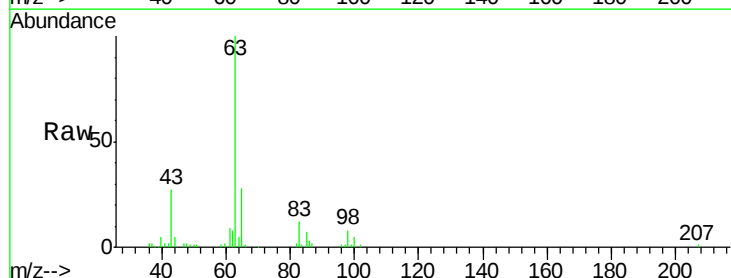
Tgt Ion: 63 Resp: 155288

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

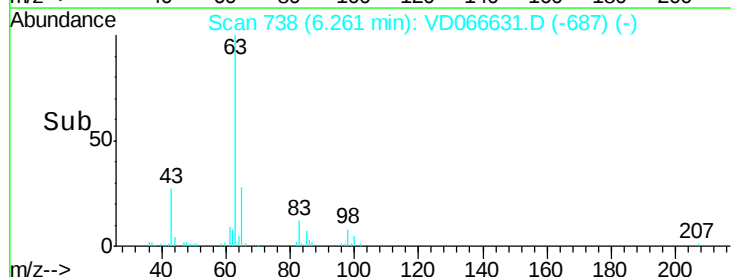
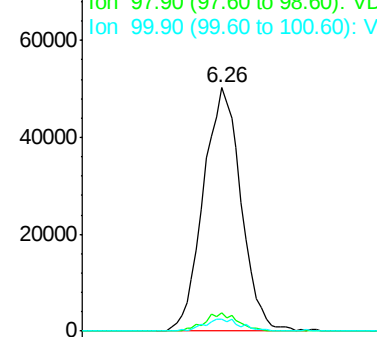
100 4.9 2.5 7.4

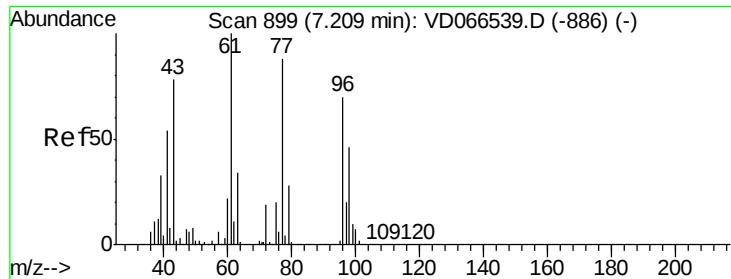


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





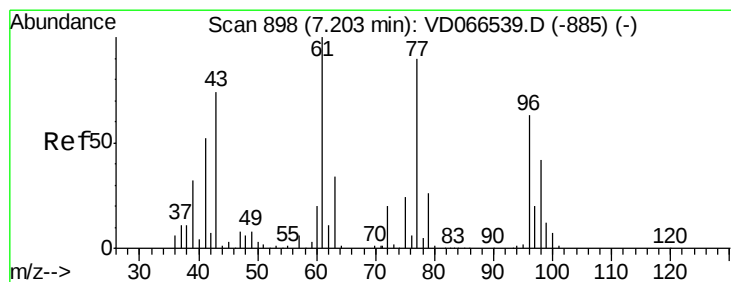
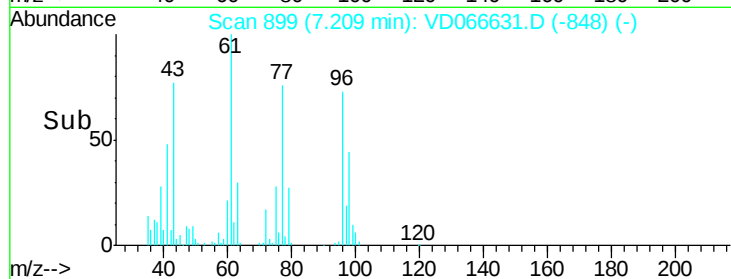
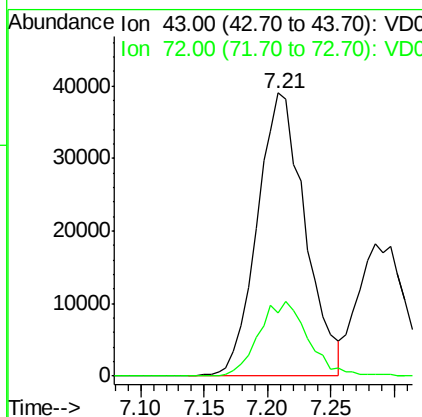
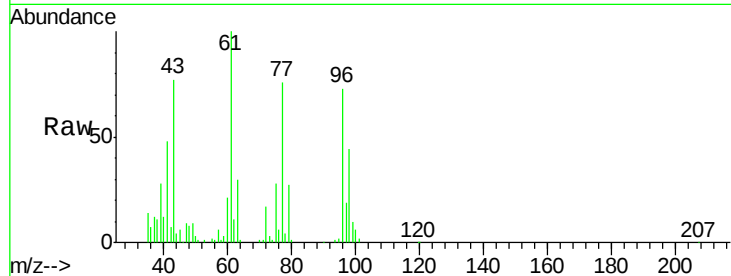
#25
2-Butanone
Concen: 106.063 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion: 43 Resp: 102748
Ion Ratio Lower Upper
43 100
72 22.3 19.8 29.6

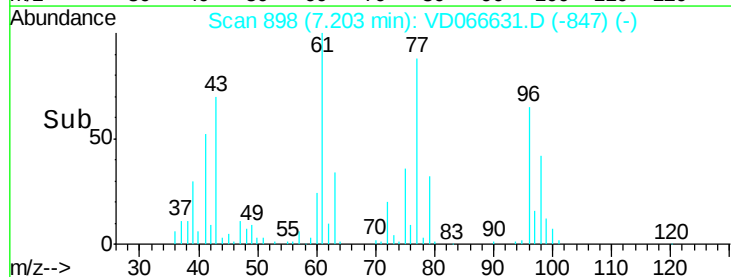
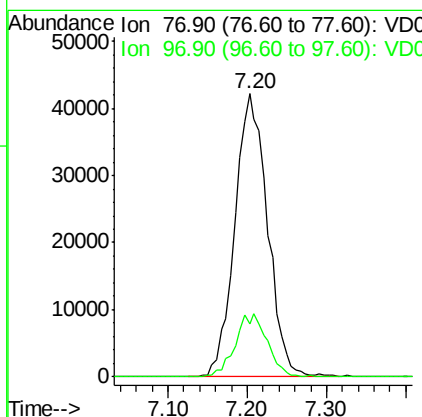
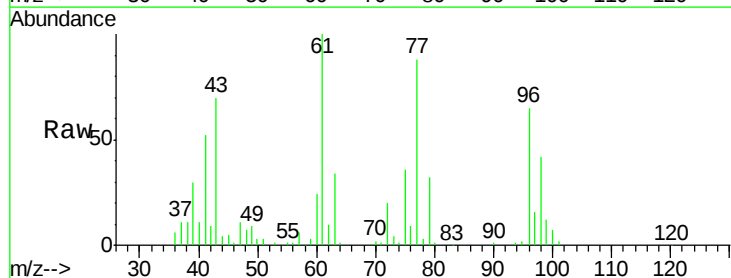
Manual Integrations
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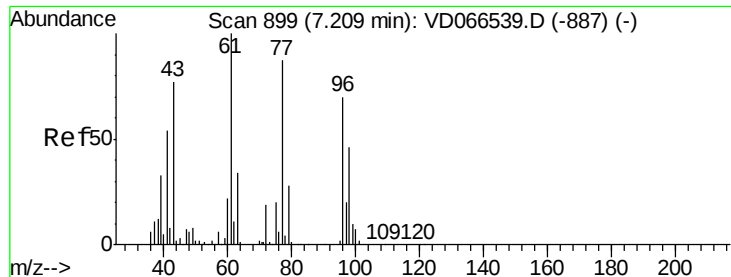
MMDadoda
9/11/2020 10:18:04 AM



#26
2,2-Dichloropropane
Concen: 18.976 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion: 77 Resp: 120484
Ion Ratio Lower Upper
77 100
97 21.6 10.8 32.3





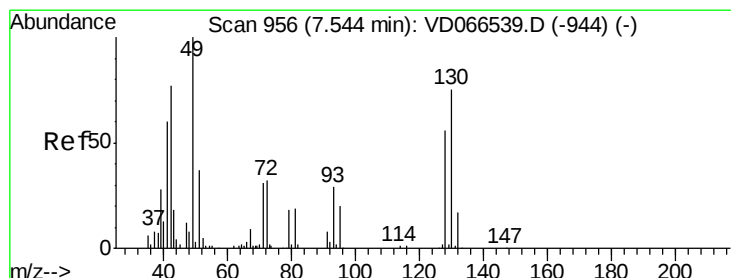
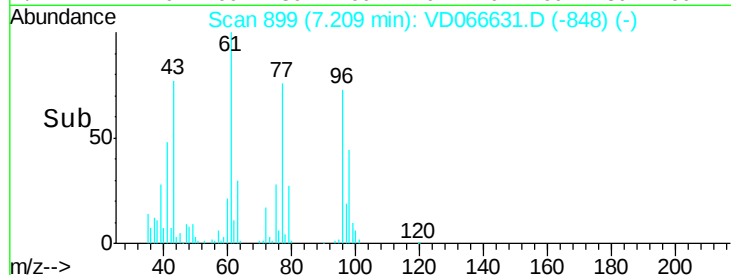
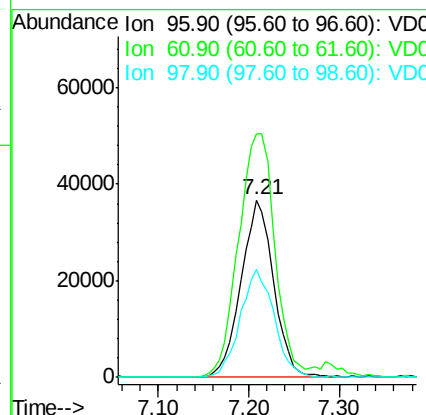
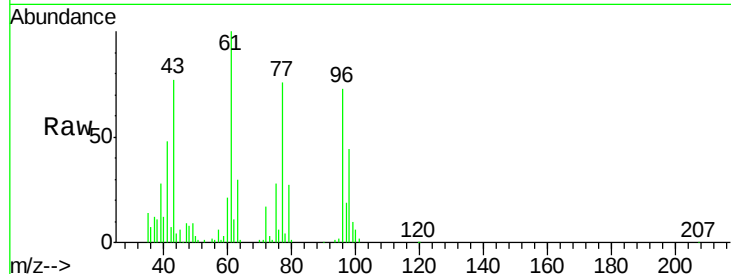
#27
 cis-1,2-Dichloroethene
 Concen: 22.015 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	153.4	0.0	301.0	
98	63.4	0.0	129.8	

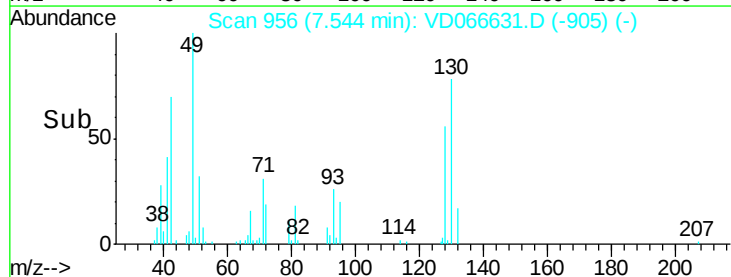
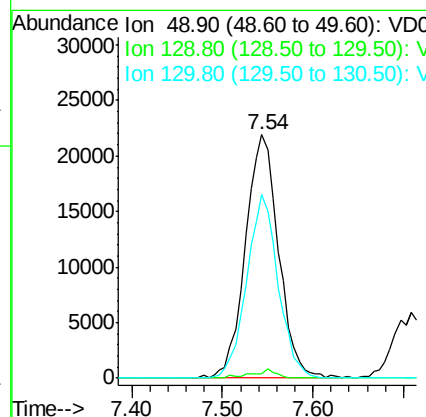
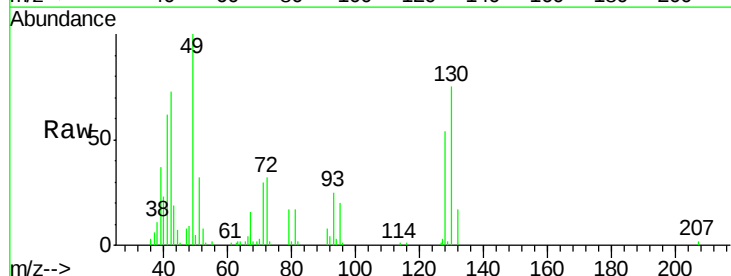
Manual Integrations
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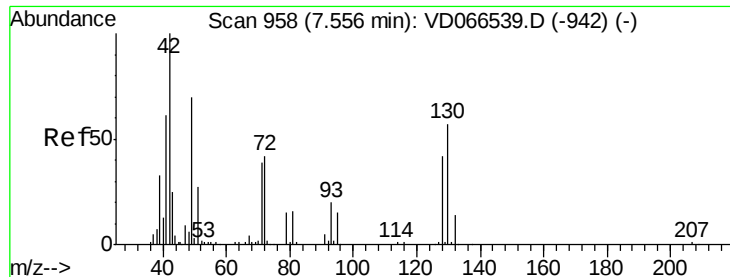
MMDadoda
 9/11/2020 10:18:04 AM



#28
 Bromochloromethane
 Concen: 20.858 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	2.6#	
130	71.4	58.2	87.2	





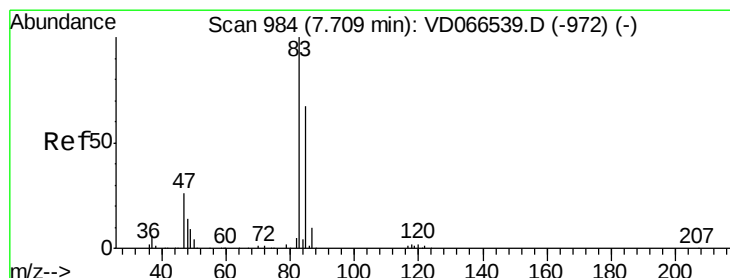
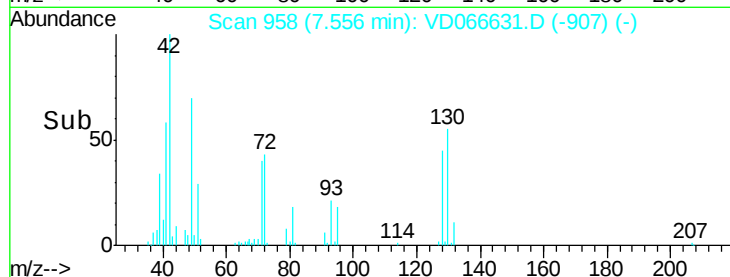
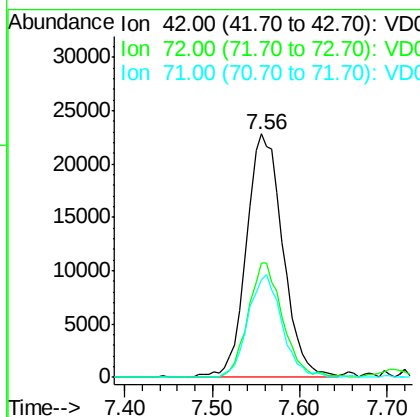
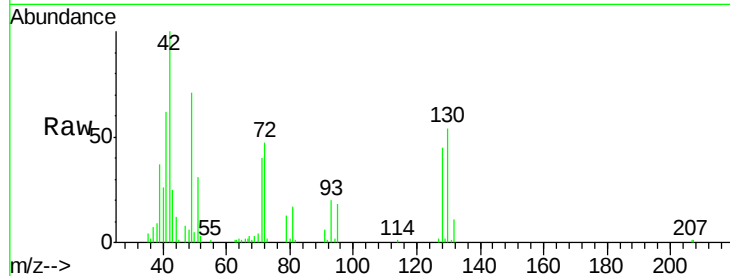
#29
Tetrahydrofuran
Concen: 106.987 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.6	33.4	50.0
71	39.1	31.9	47.9

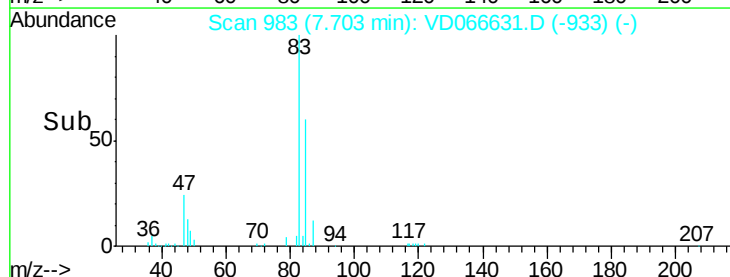
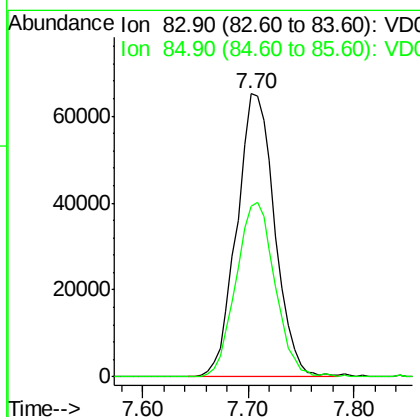
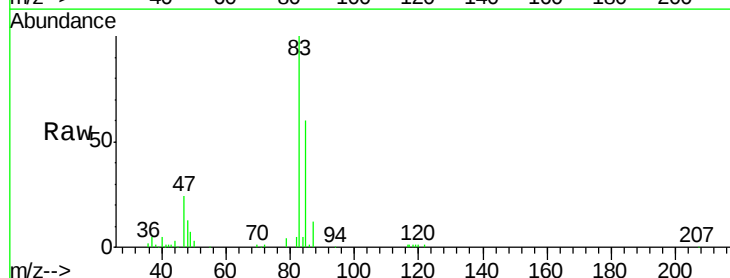
Manual Integrations
APPROVED

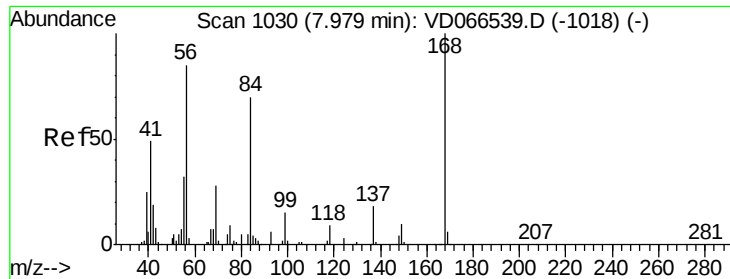
MMDadoda
9/11/2020 10:18:04 AM



#30
Chloroform
Concen: 22.163 ug/l
RT: 7.70 min Scan# 983
Delta R.T. -0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.2	53.6	80.4





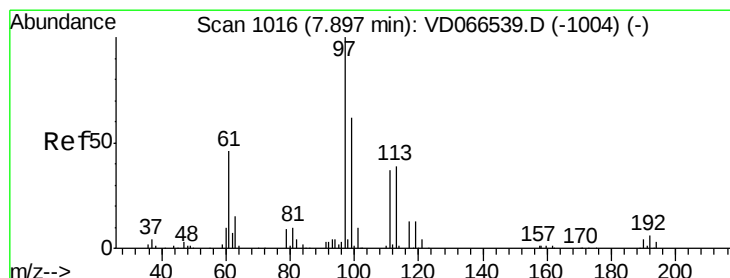
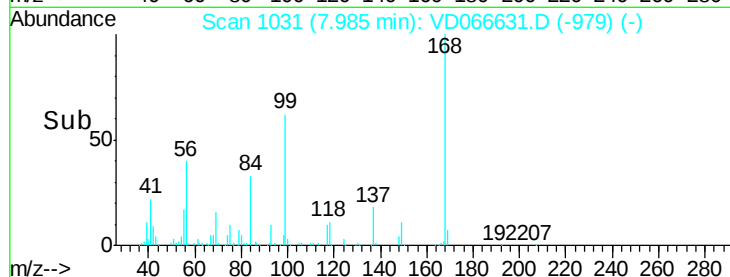
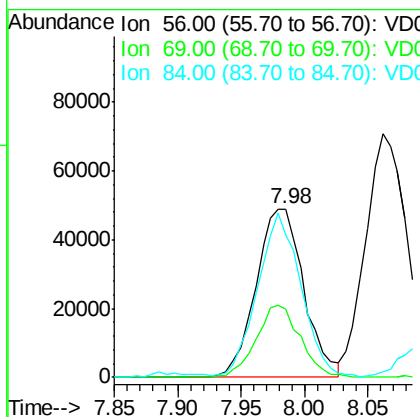
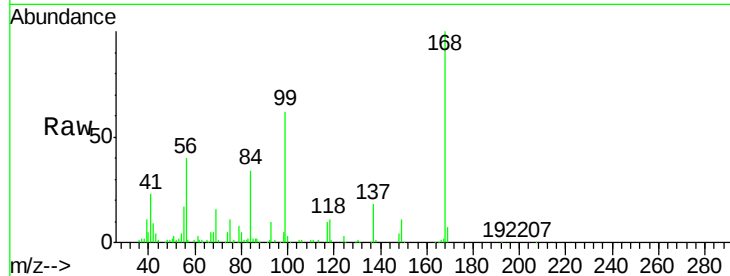
#31
Cyclohexane
Concen: 20.054 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.3	26.3	39.5#
84	82.5	66.1	99.1

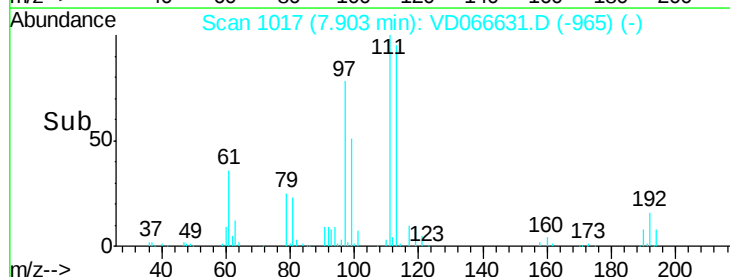
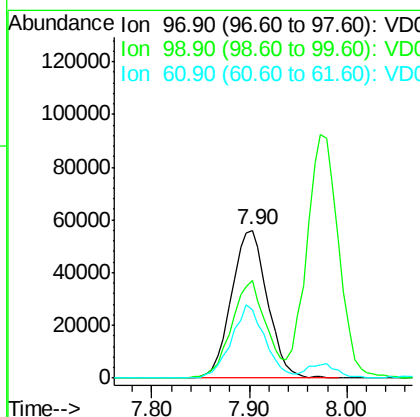
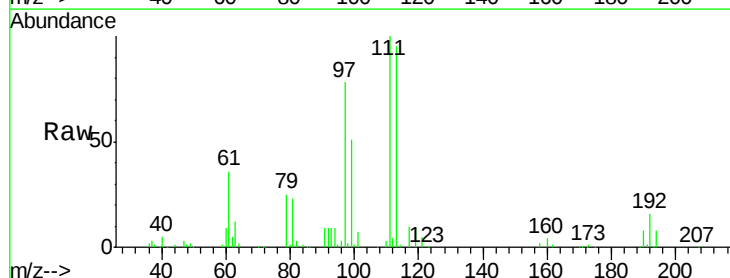
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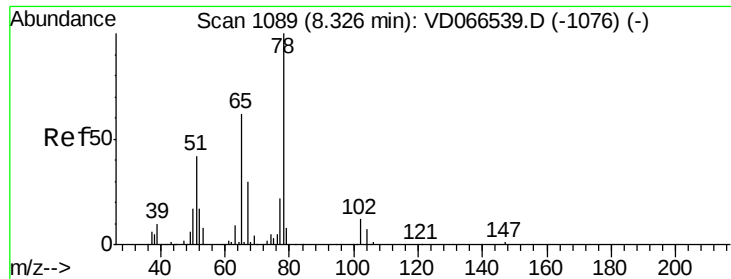
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#32
1,1,1-Trichloroethane
Concen: 20.777 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	46.2	37.4	56.0





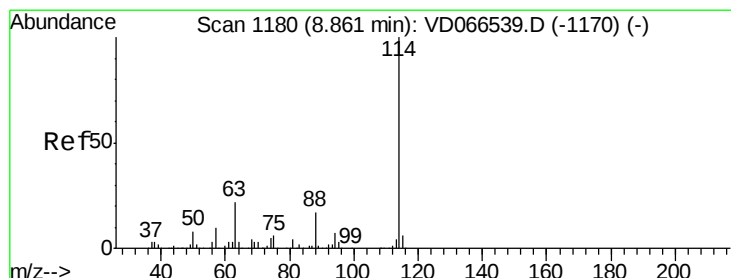
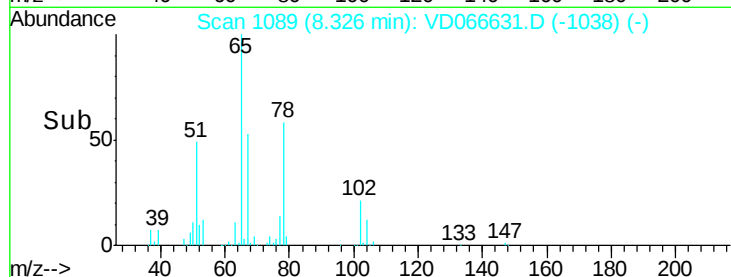
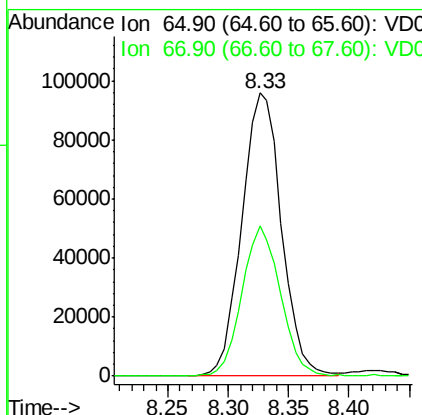
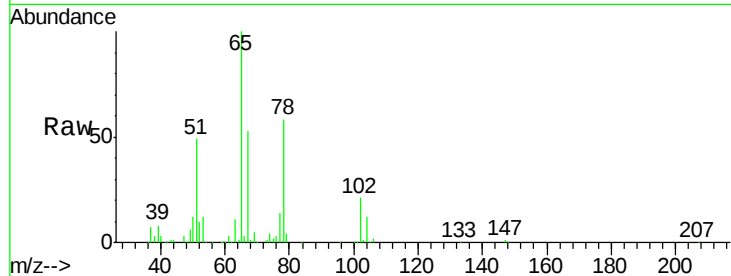
#33
 1,2-Dichloroethane-d4
 Concen: 55.917 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219312		
67	51.6	0.0	102.8	

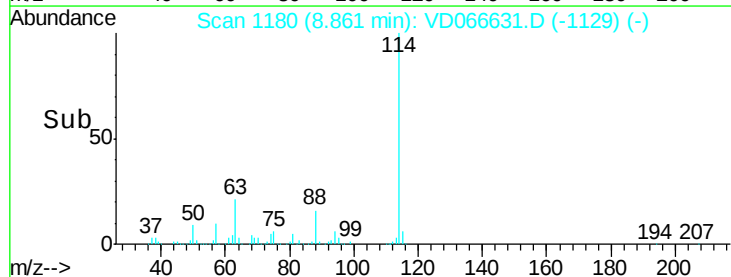
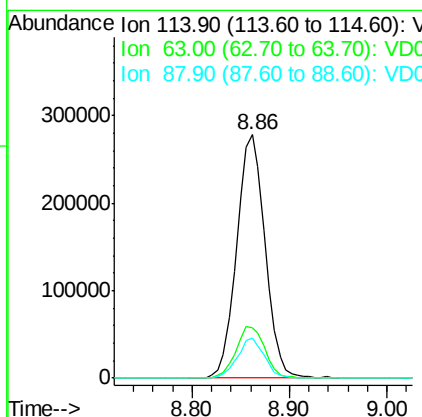
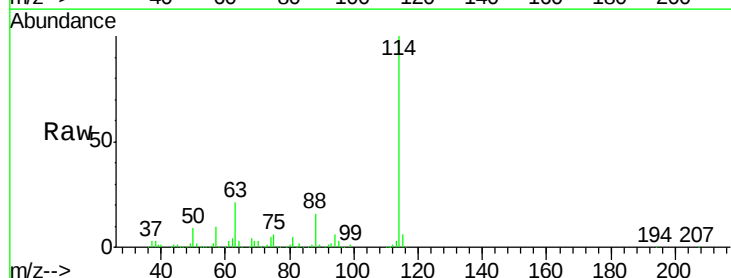
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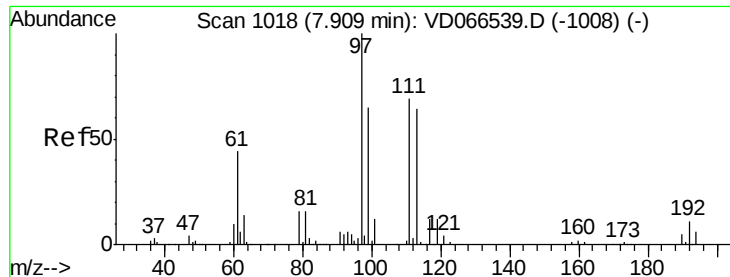
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 9/11/2020 10:18:04 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	564743		
63	20.8	0.0	43.2	
88	16.3	0.0	33.2	





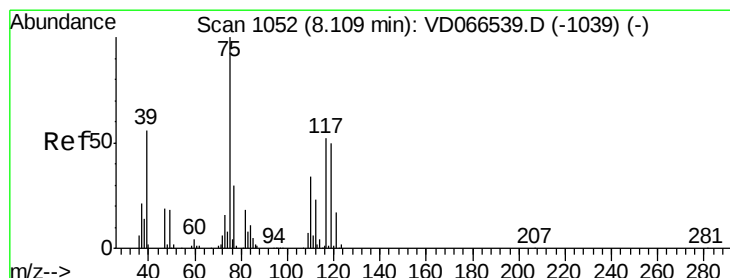
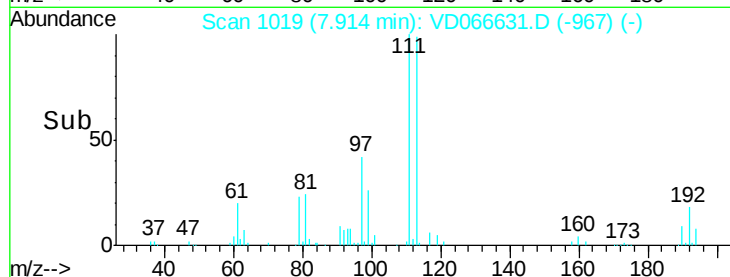
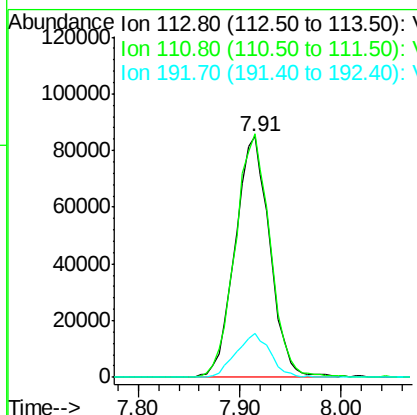
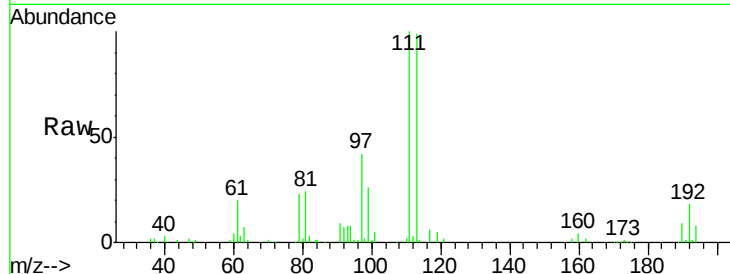
#35
Dibromofluoromethane
Concen: 52.906 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	201562		
111	101.9	83.2	124.8	
192	17.9	13.7	20.5	

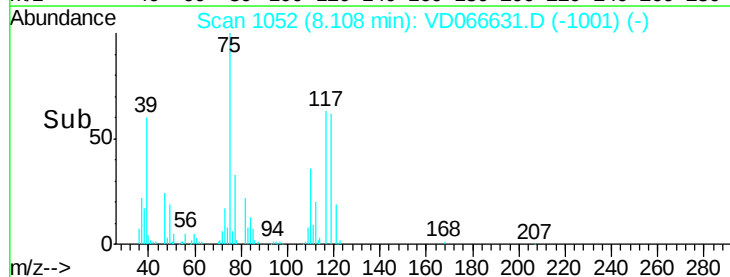
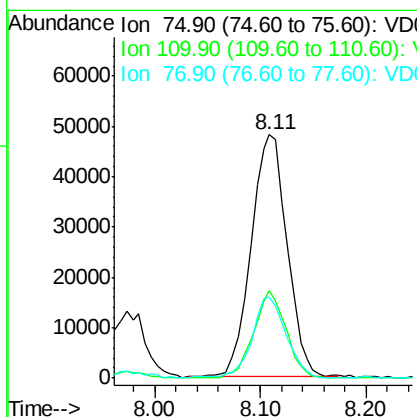
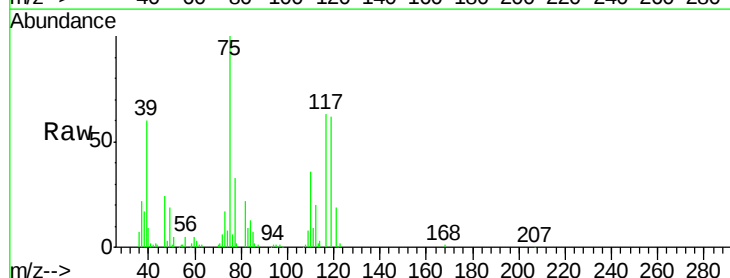
Manual Integrations
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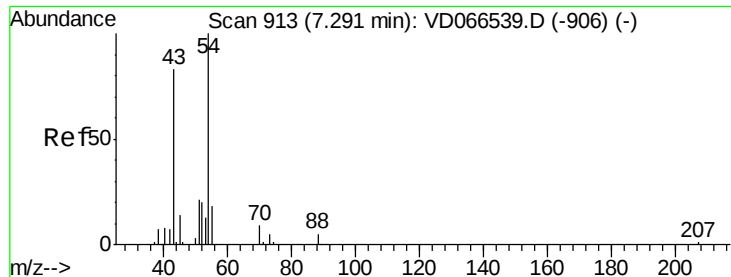
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9/11/2020 10:18:04 AM



#36
1,1-Dichloropropene
Concen: 19.372 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	113852		
110	32.6	17.3	52.0	
77	32.2	25.1	37.7	





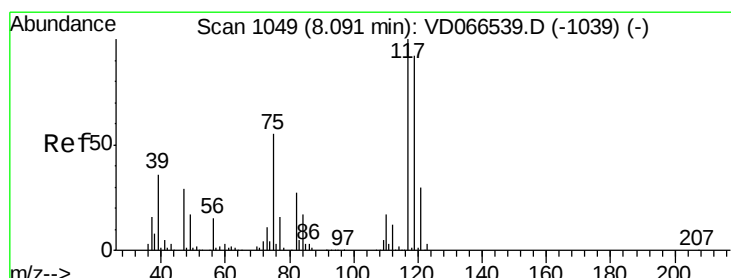
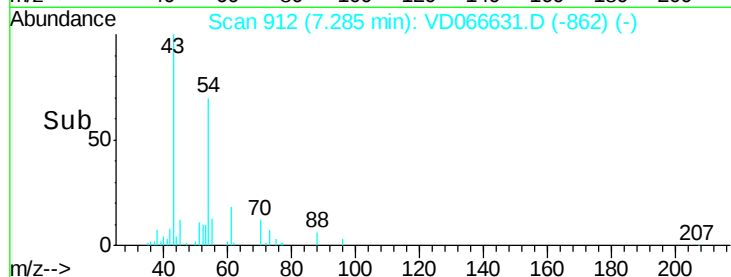
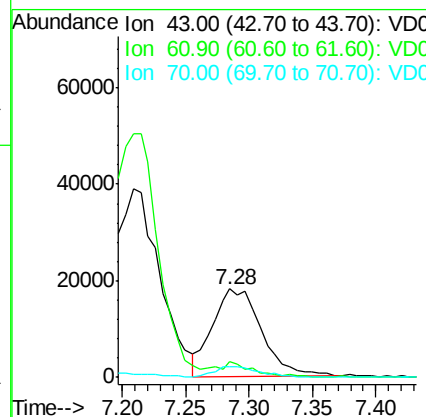
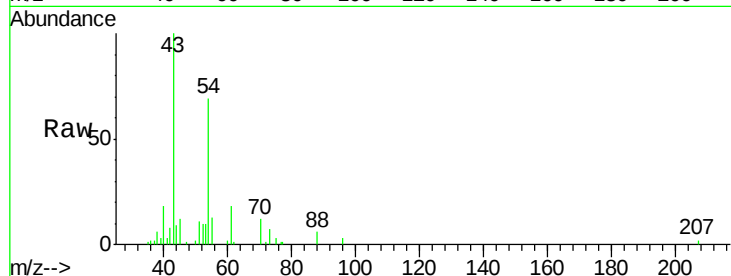
#37
Ethyl Acetate
Concen: 20.566 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	9.6	11.8	17.8#
70	11.8	7.9	11.9

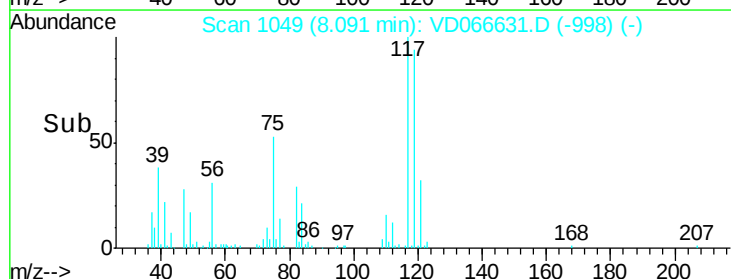
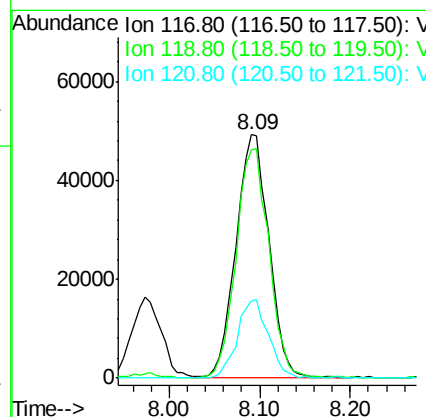
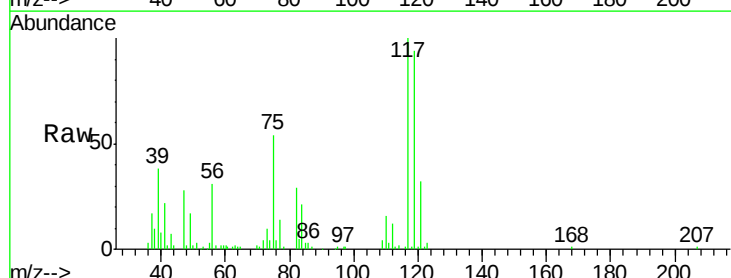
Manual Integrations
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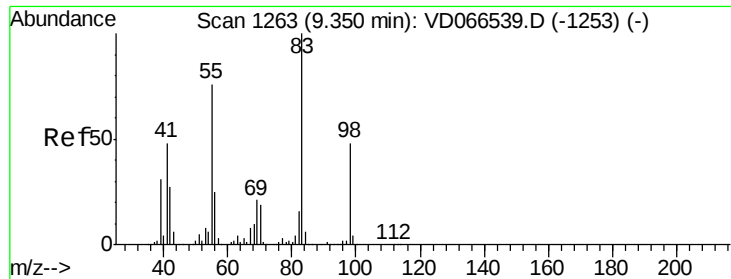
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9/11/2020 10:18:04 AM



#38
Carbon Tetrachloride
Concen: 20.200 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	73.9	110.9
121	31.5	24.1	36.1





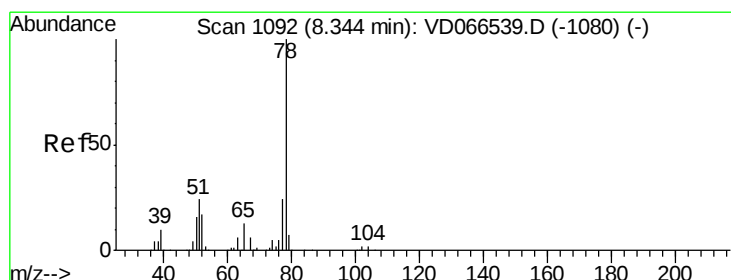
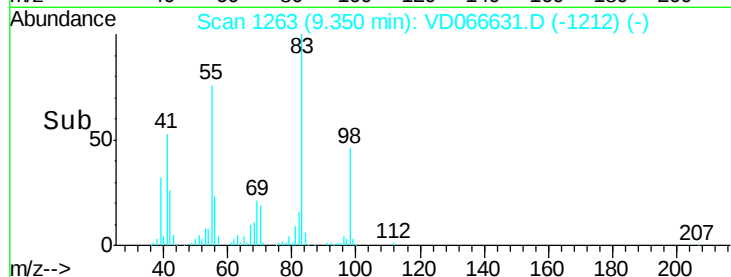
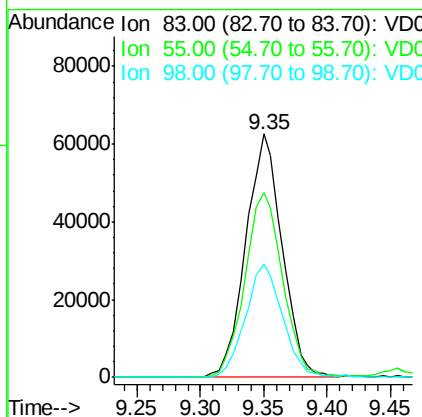
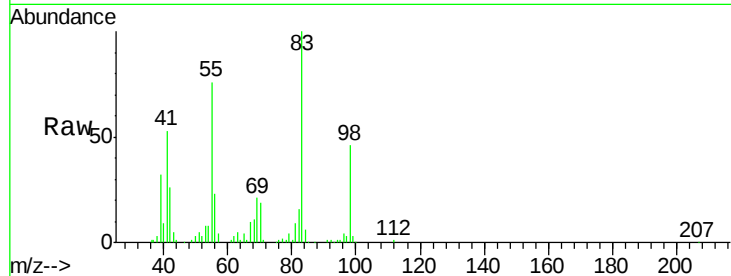
#39
Methvlcvclohexane
Concen: 19.063 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.1	60.8	91.2	
98	46.2	38.6	58.0	

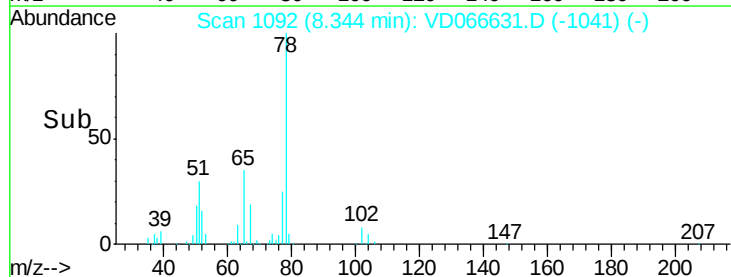
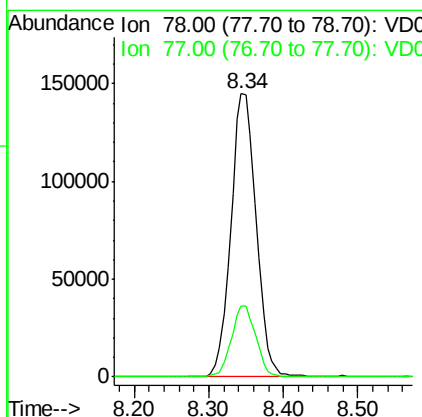
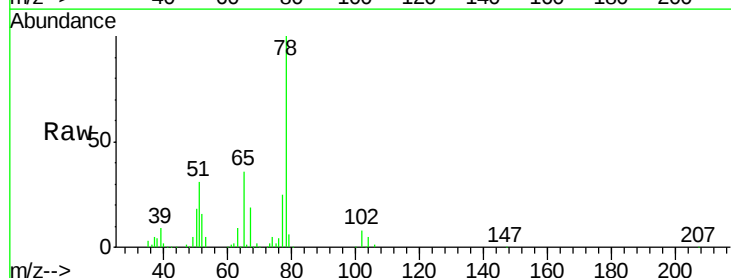
Manual Integrations
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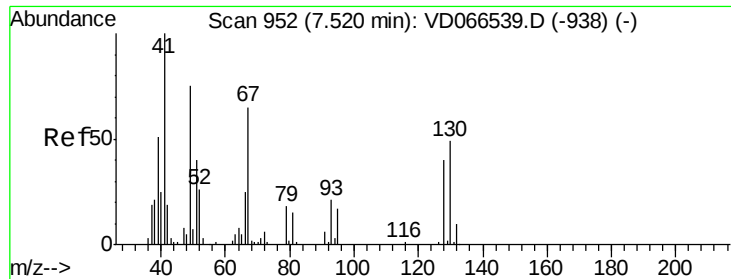
MMDadoda
9/11/2020 10:18:04 AM



#40
Benzene
Concen: 21.231 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	25.0	19.1	28.7	





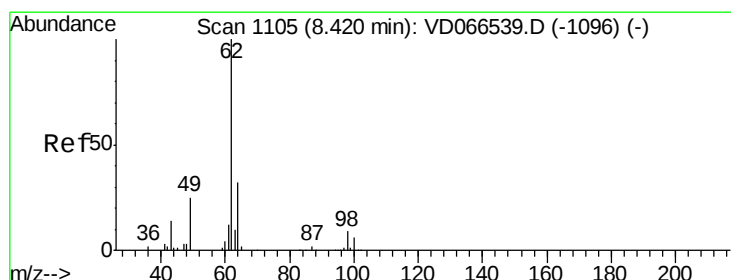
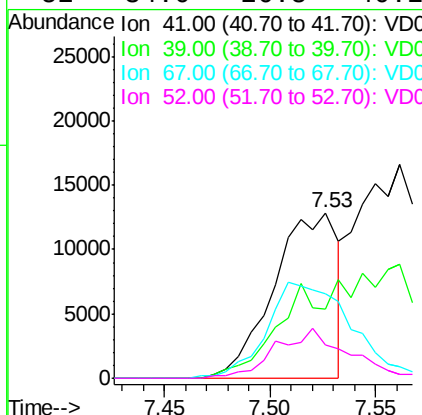
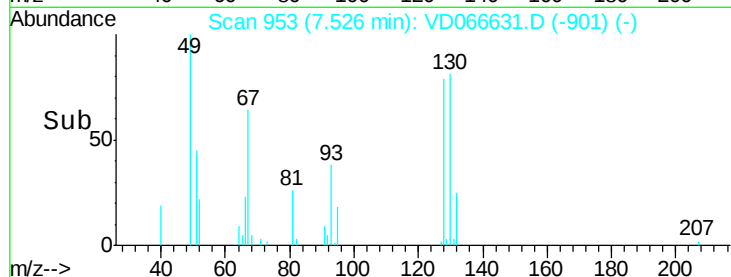
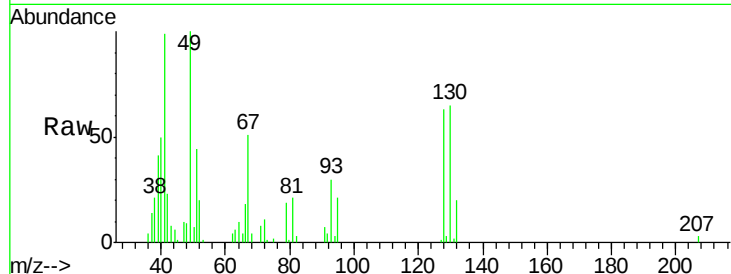
#41
Methacrylonitrile
Concen: 23.956 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		27138		
39	42.7	53.6	80.4#		
67	76.2	59.2	88.8		
52	34.0	26.8	40.2		

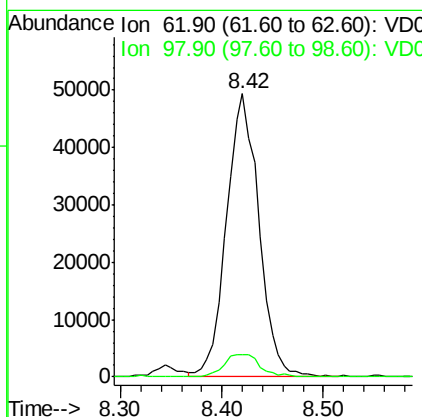
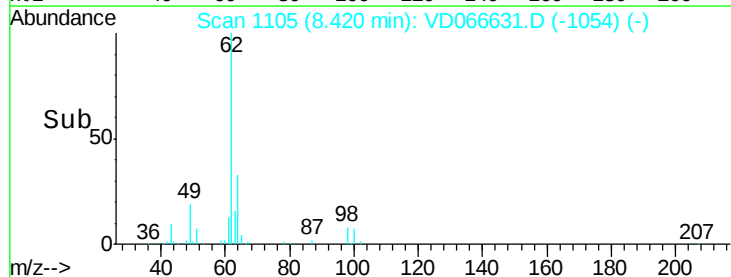
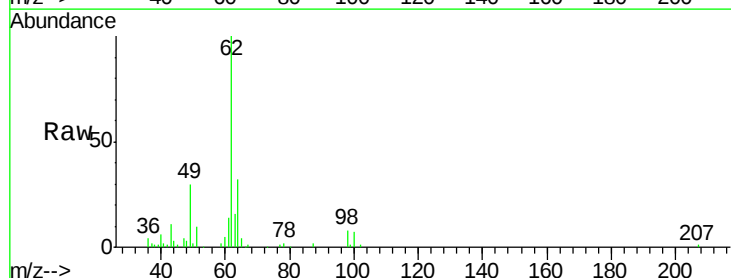
Manual Integrations
APPROVED

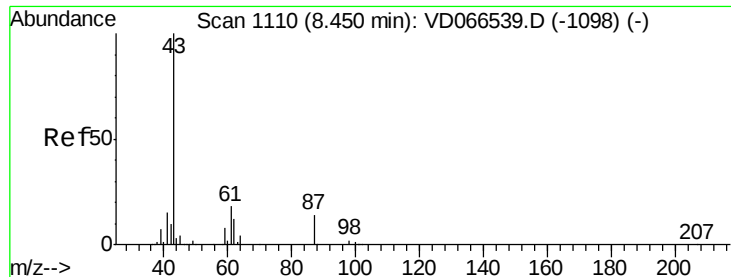
MMDadoda
9/11/2020 10:18:04 AM



#42
1,2-Dichloroethane
Concen: 21.056 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		109814		
98	8.8	0.0	17.6		





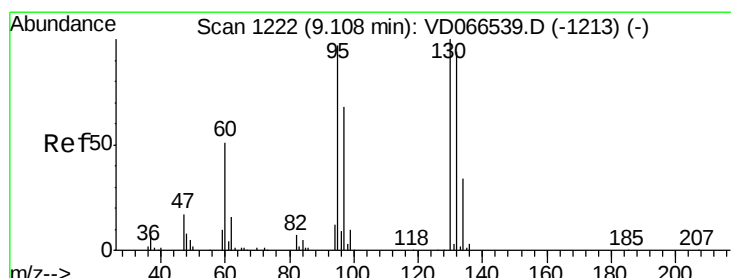
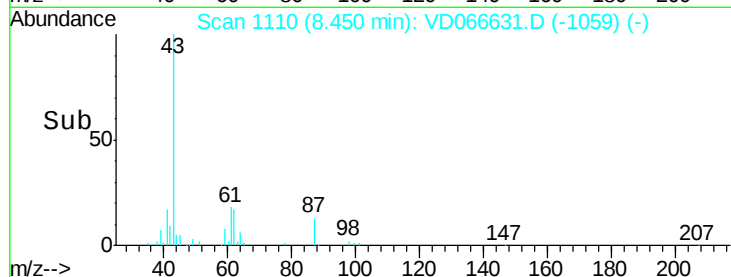
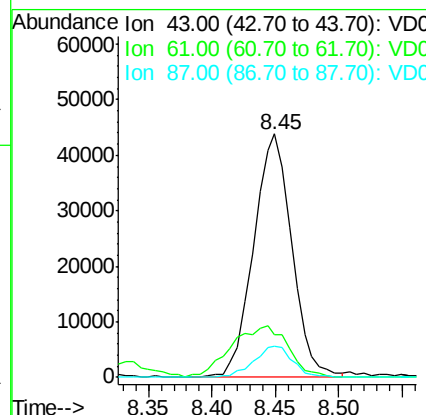
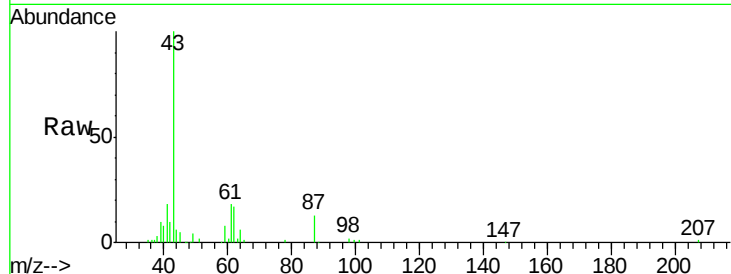
#43
Isopropyl Acetate
Concen: 20.533 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.6	23.8	35.8
87	13.0	10.7	16.1

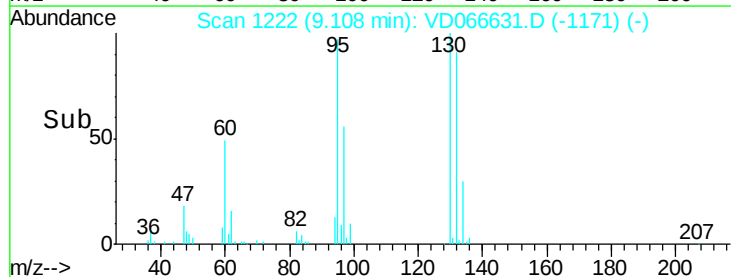
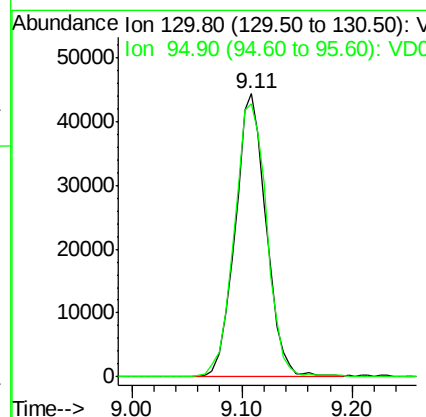
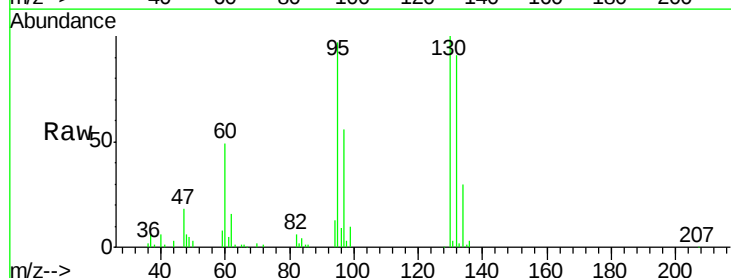
Manual Integrations
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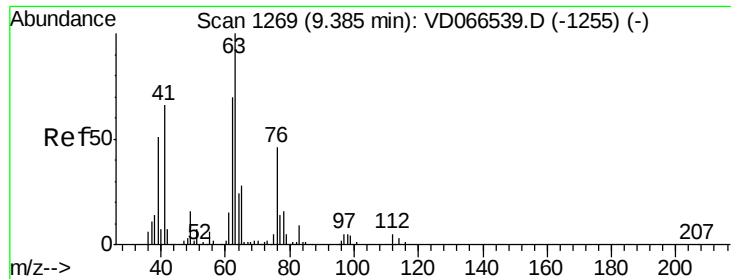
MMDadoda
9/11/2020 10:18:04 AM



#44
Trichloroethene
Concen: 20.574 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	194.4





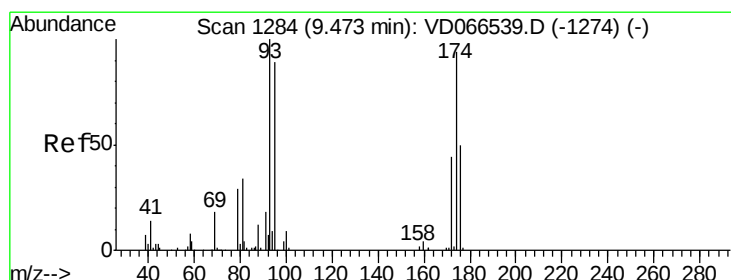
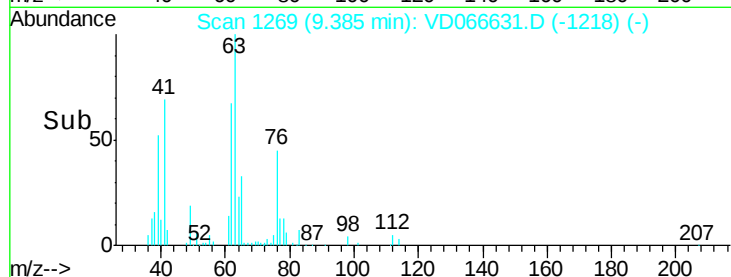
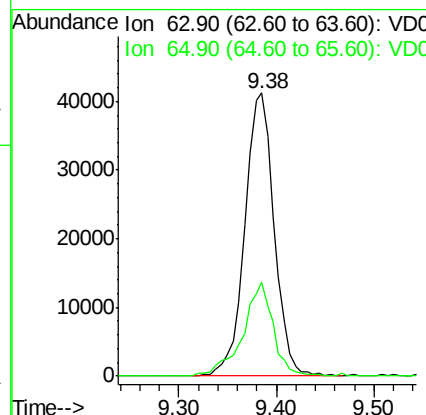
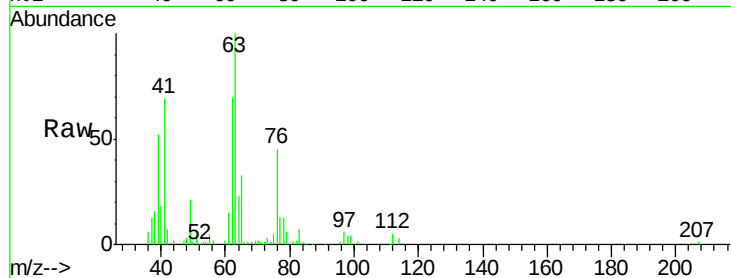
#45
 1,2-Dichloropropane
 Concen: 21.380 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion: 63 Resp: 86545
 Ion Ratio Lower Upper
 63 100
 65 33.3 22.6 34.0

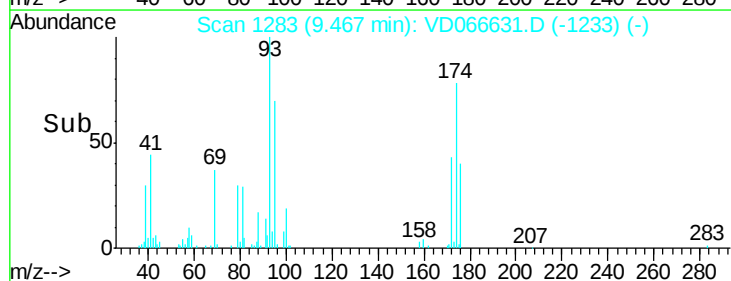
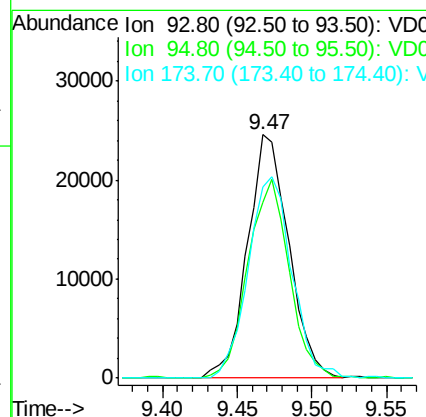
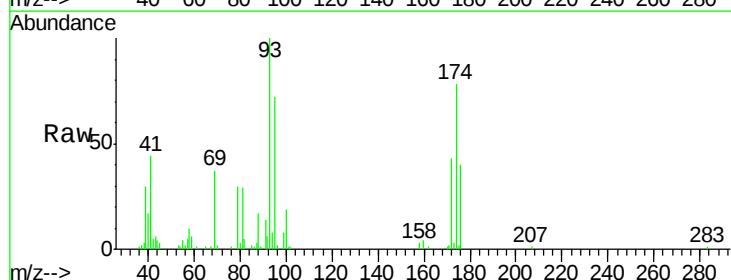
Manual Integrations
 APPROVED

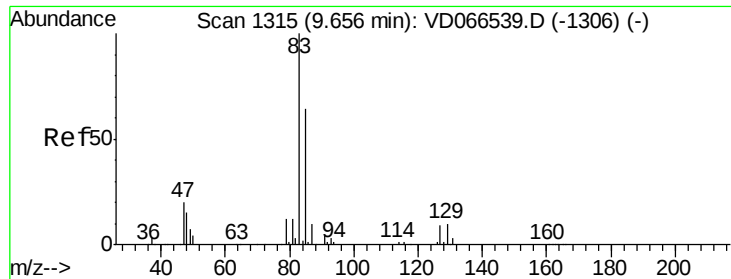
MMDadoda
 9/11/2020 10:18:04 AM



#46
 Dibromomethane
 Concen: 21.081 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Tgt Ion: 93 Resp: 47080
 Ion Ratio Lower Upper
 93 100
 95 81.9 68.7 103.1
 174 87.1 70.0 105.0





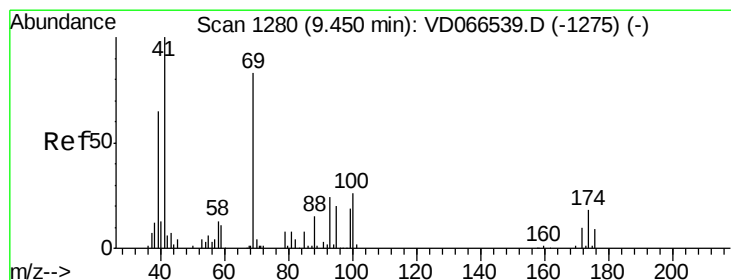
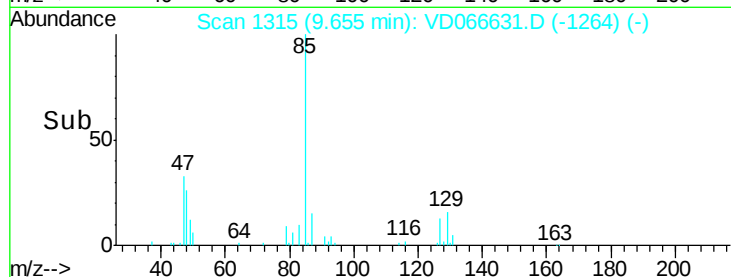
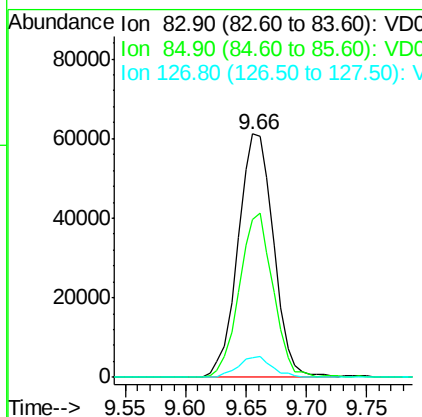
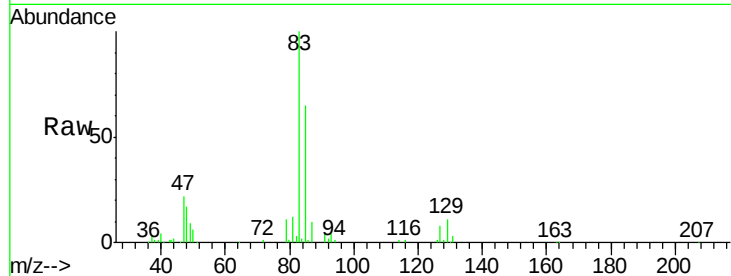
#47
Bromodichloromethane
Concen: 20.817 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	125782		
85	65.0		51.1	76.7
127	8.1		6.9	10.3

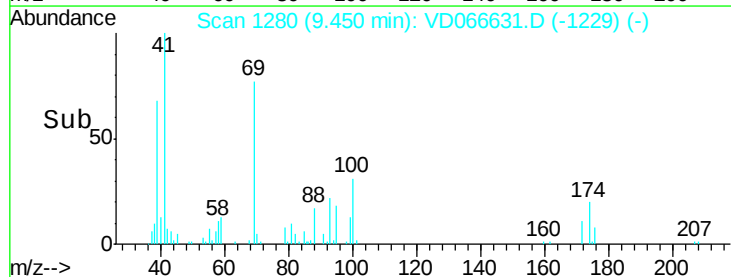
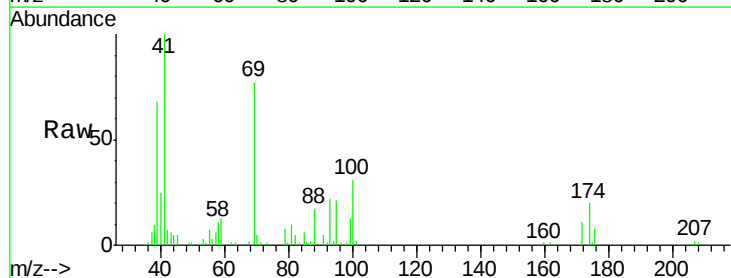
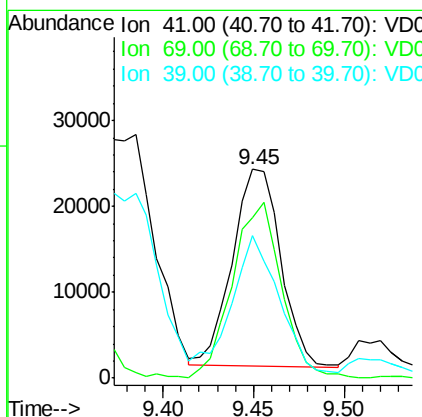
Manual Integrations
APPROVED

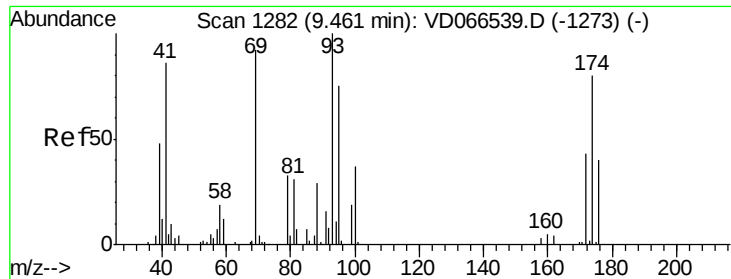
MMDadoda
9/11/2020 10:18:04 AM



#48
Methyl methacrylate
Concen: 18.894 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	42849		
69	90.1		64.5	96.7
39	67.4		46.6	69.8





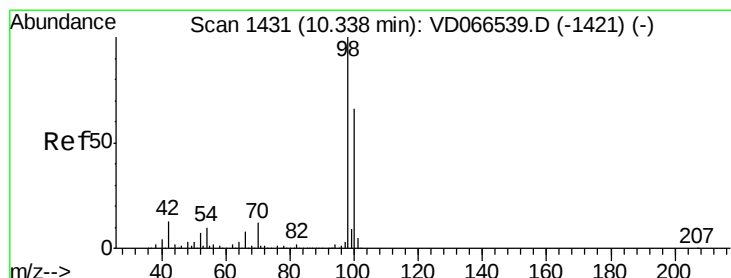
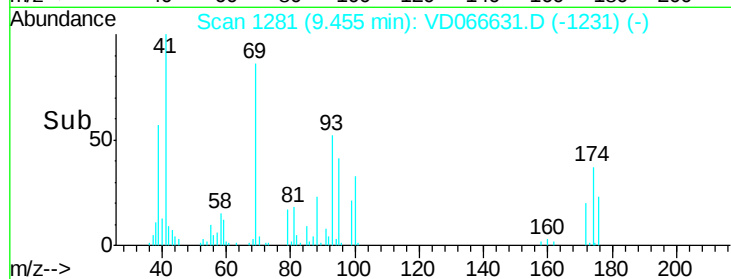
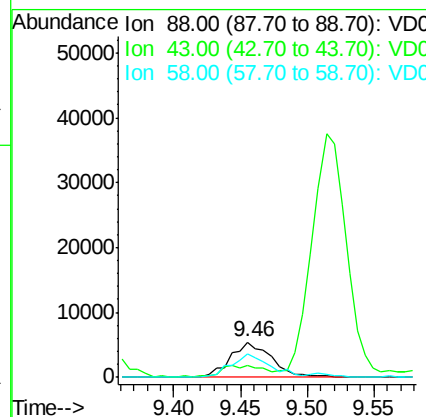
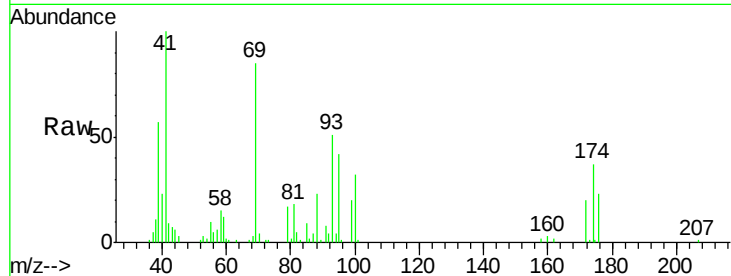
#49
1,4-Dioxane
Concen: 469.406 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	28.3	42.5
58	63.9	56.1	84.1

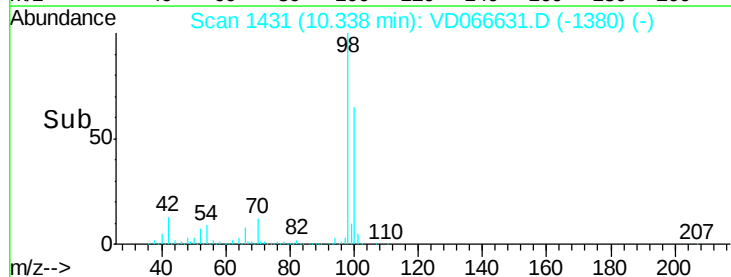
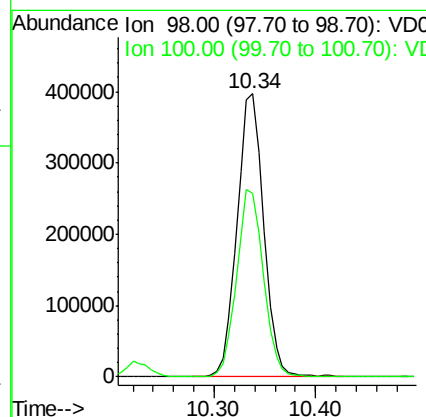
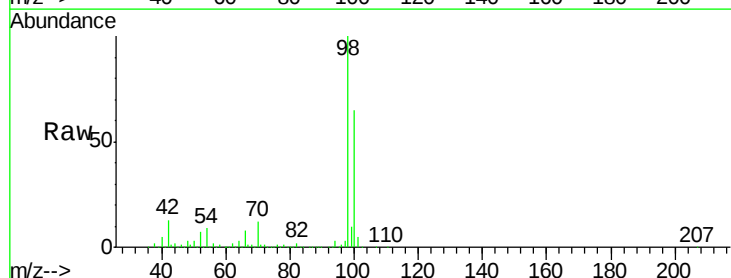
Manual Integrations
APPROVED

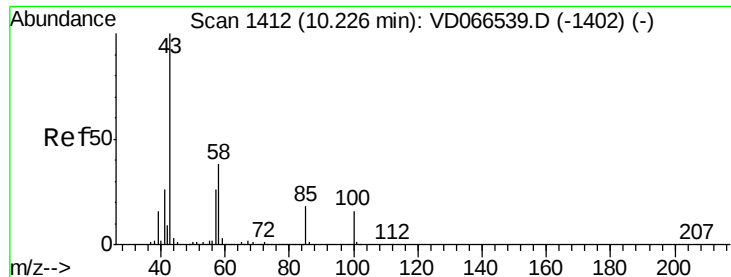
MMDadoda
9/11/2020 10:18:04 AM



#50
Toluene-d8
Concen: 53.442 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 109.496 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 43 Resp: 247666

Ion Ratio Lower Upper

43 100

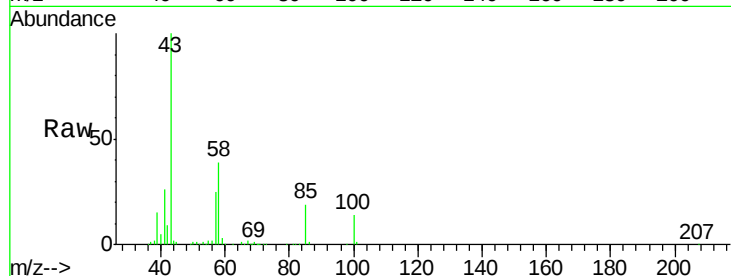
58 37.3 30.5 45.7

Manual Integrations

APPROVED

MMDadoda

9/11/2020 10:18:04 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

150000

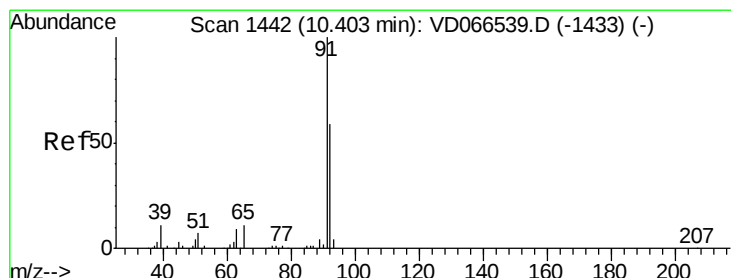
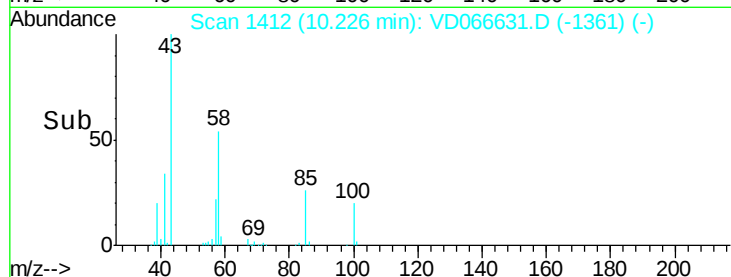
100000

50000

0

10.20 10.30

Time-->



#52

Toluene

Concen: 21.420 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066631.D

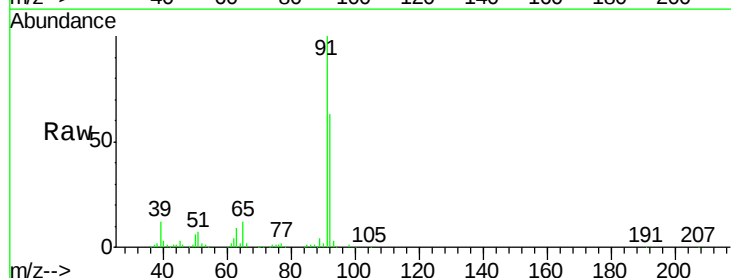
Acq: 11 Sep 2020 00:22

Tgt Ion: 92 Resp: 218255

Ion Ratio Lower Upper

92 100

91 165.2 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

150000

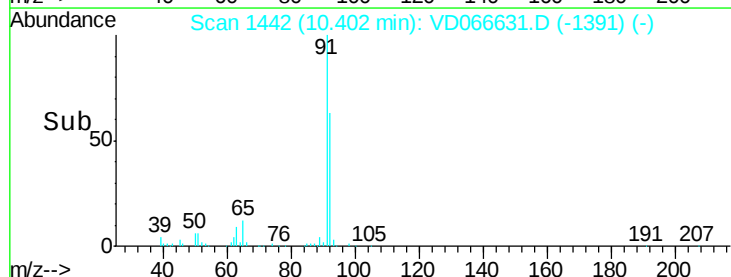
100000

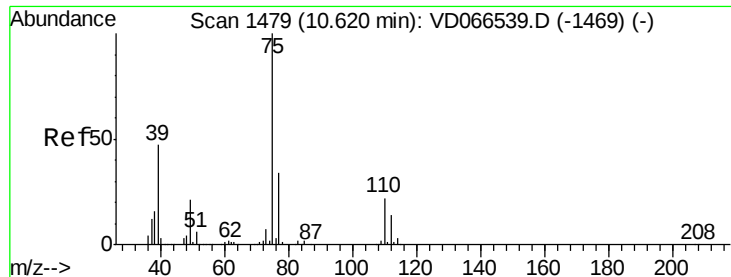
50000

0

10.30 10.40 10.50

Time-->





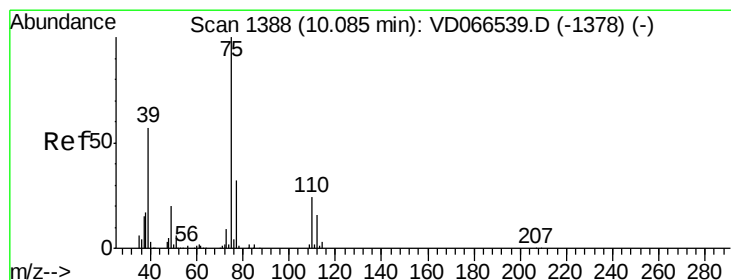
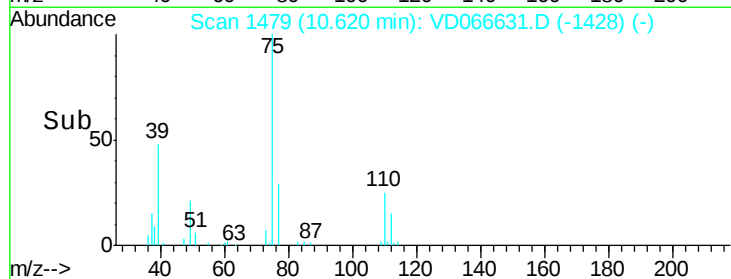
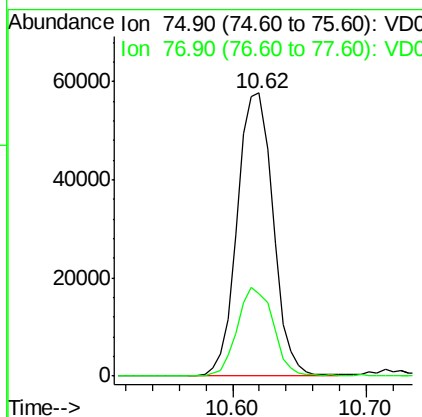
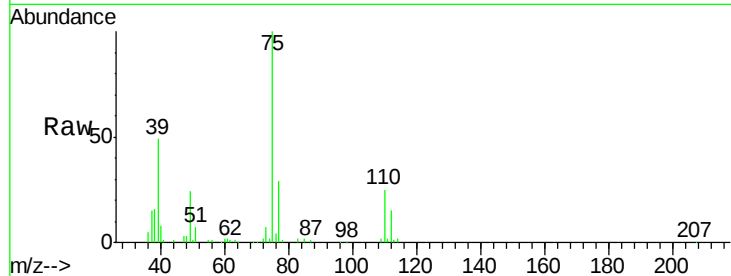
#53
t-1,3-Dichloropropene
Concen: 20.162 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion: 75 Resp: 107543
Ion Ratio Lower Upper
75 100
77 29.3 27.4 41.2

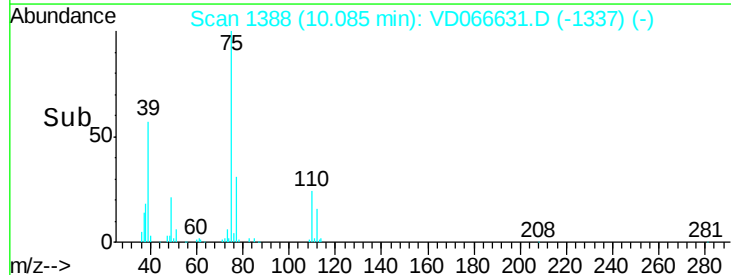
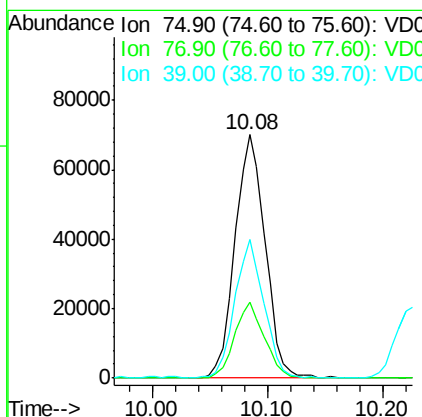
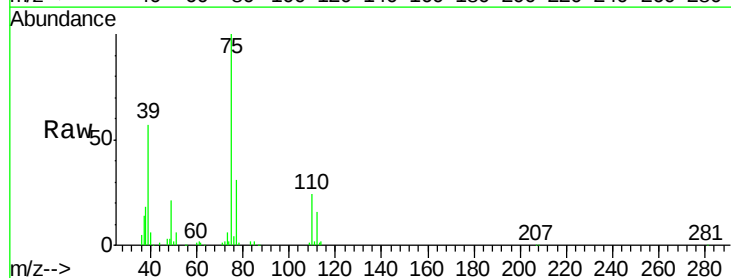
Manual Integrations
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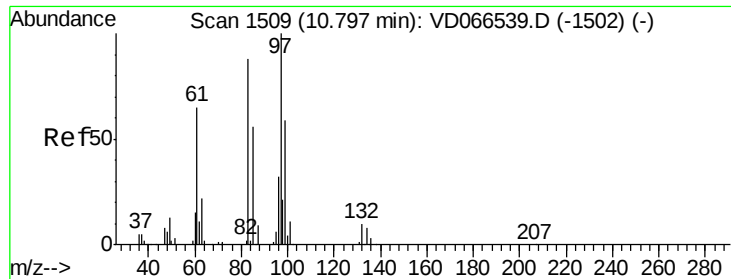
MMDadoda
9/11/2020 10:18:04 AM



#54
cis-1,3-Dichloropropene
Concen: 19.801 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion: 75 Resp: 126832
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.0
39 57.0 45.4 68.0





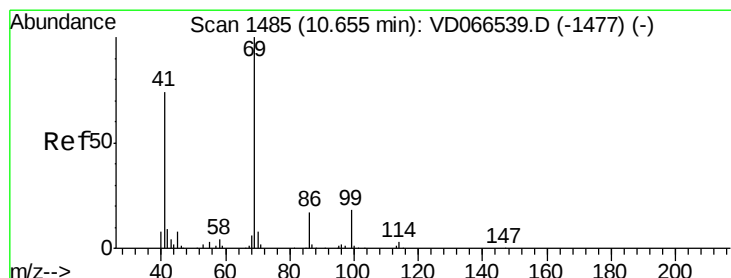
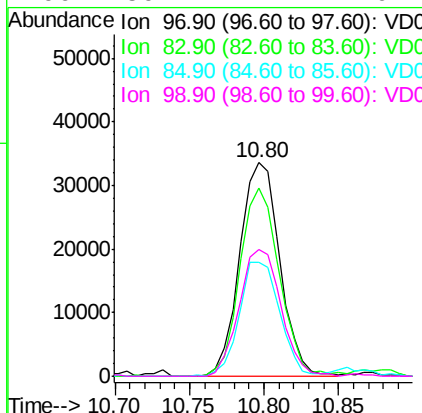
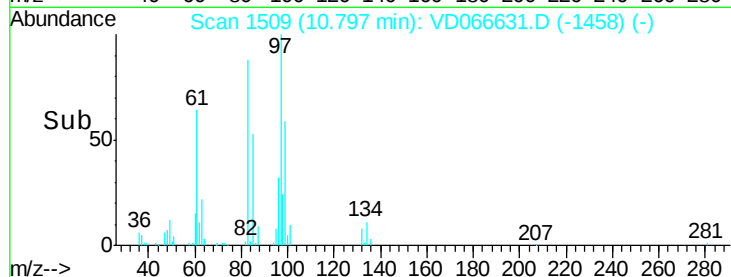
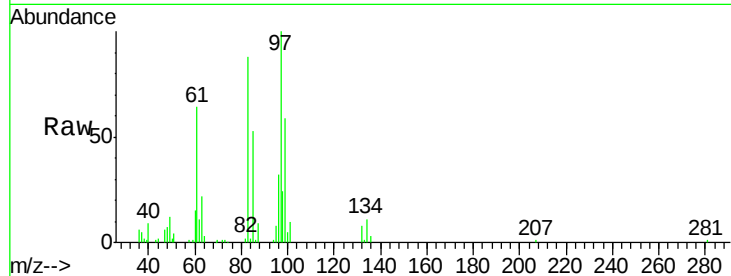
#55
 1,1,2-Trichloroethane
 Concen: 21.800 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.8	70.1	105.1	
85	53.5	44.5	66.7	
99	59.4	47.1	70.7	

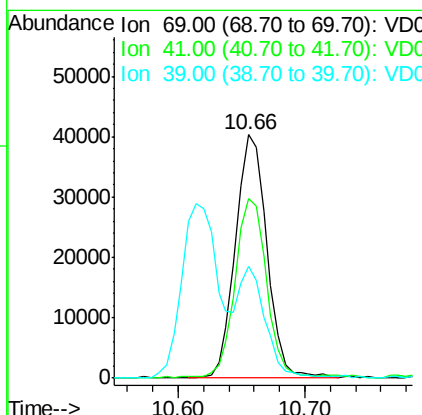
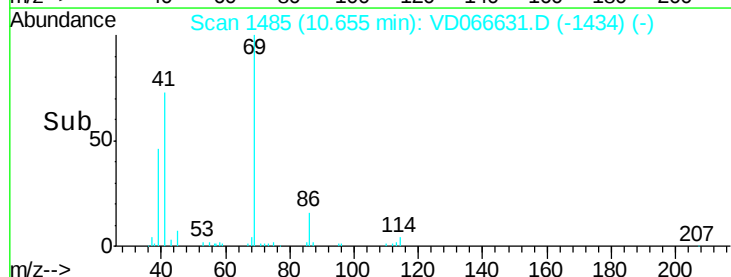
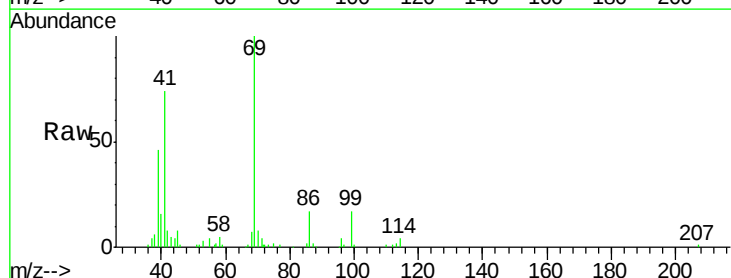
Manual Integrations
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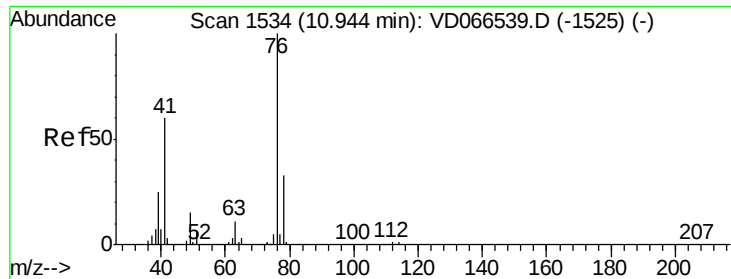
MMDadoda
 9/11/2020 10:18:04 AM



#56
 Ethyl methacrylate
 Concen: 20.864 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	74.1	56.8	85.2	
39	36.0	30.6	46.0	





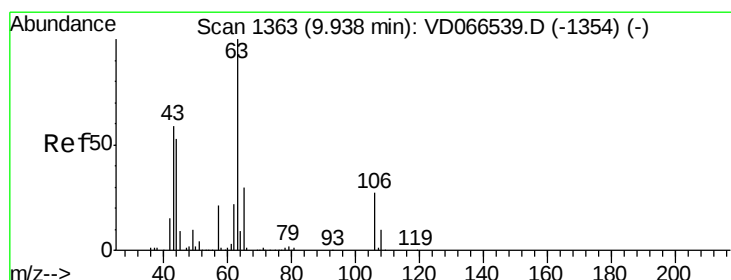
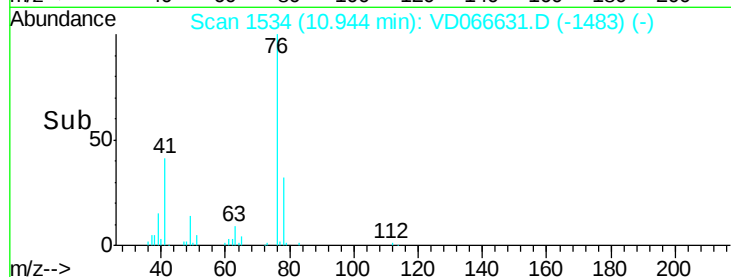
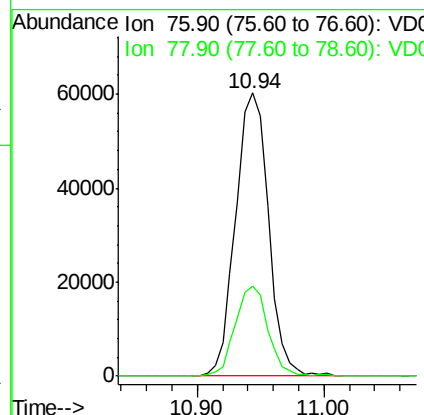
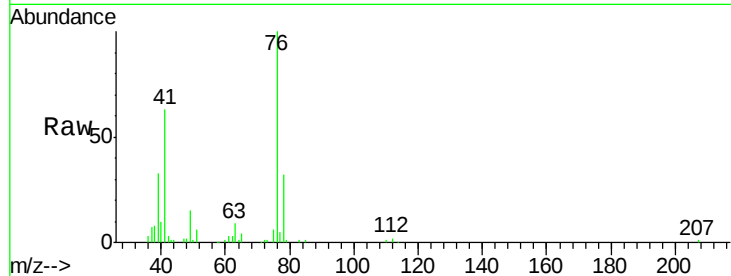
#57
 1,3-Dichloropropane
 Concen: 21.514 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion: 76 Resp: 108207
 Ion Ratio Lower Upper
 76 100
 78 31.5 25.8 38.8

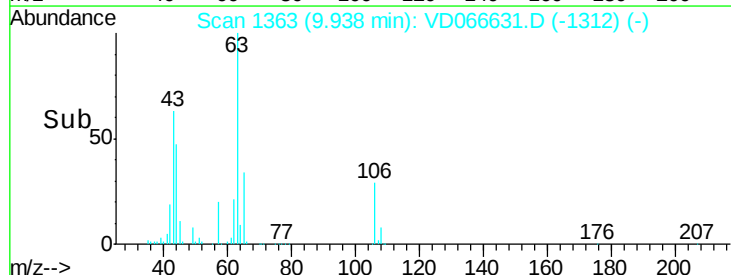
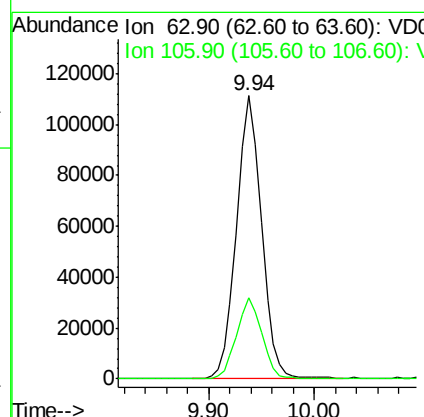
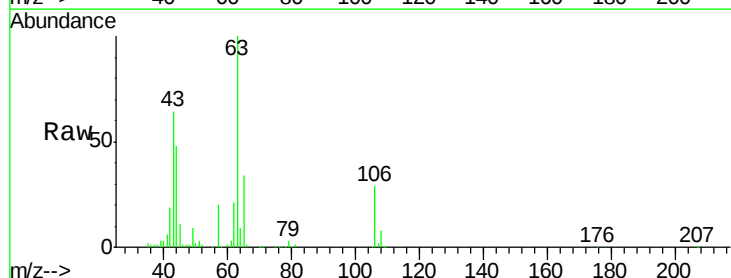
Manual Integrations
 APPROVED

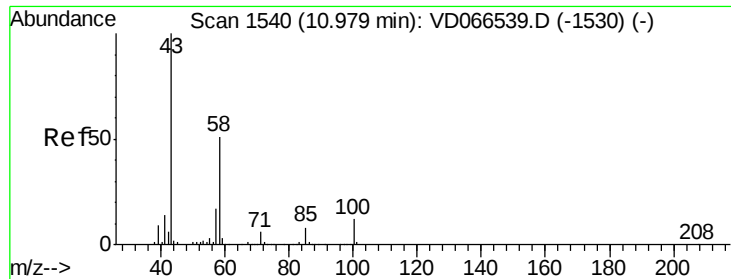
MMDadoda
 9/11/2020 10:18:04 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.695 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Tgt Ion: 63 Resp: 183043
 Ion Ratio Lower Upper
 63 100
 106 28.7 22.0 33.0





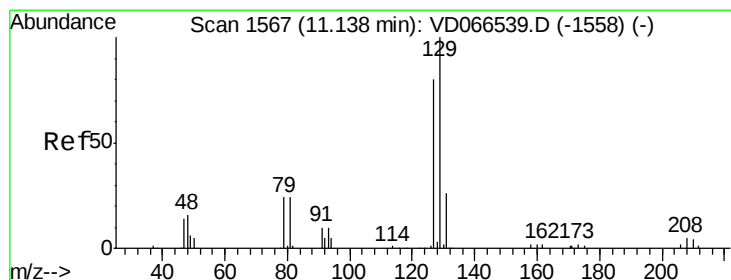
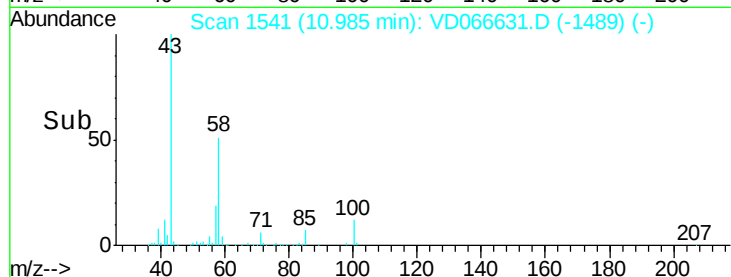
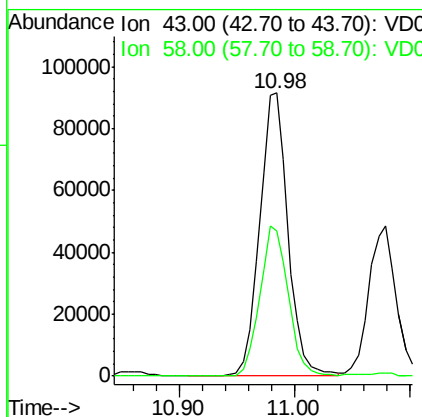
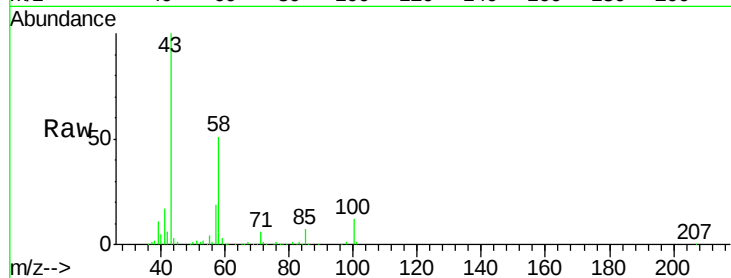
#59
2-Hexanone
Concen: 102.861 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion: 43 Resp: 156459
Ion Ratio Lower Upper
43 100
58 53.3 25.6 76.8

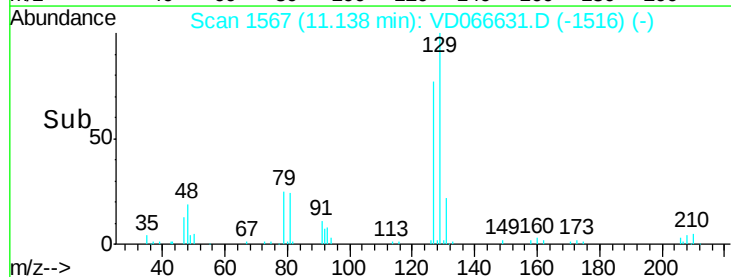
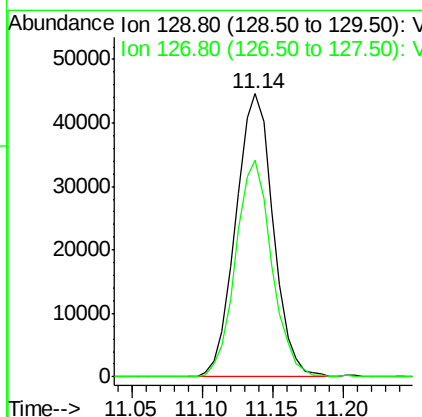
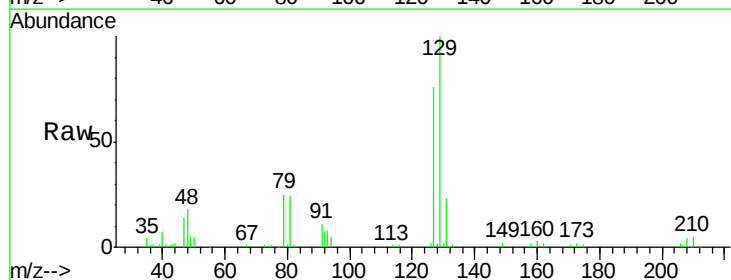
Manual Integrations
APPROVED

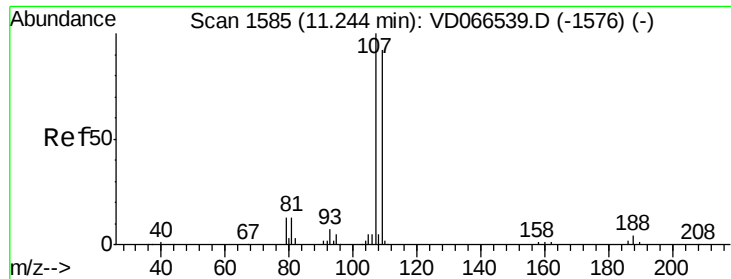
MMDadoda
9/11/2020 10:18:04 AM



#60
Dibromochloromethane
Concen: 21.791 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion: 129 Resp: 82745
Ion Ratio Lower Upper
129 100
127 73.9 39.5 118.3





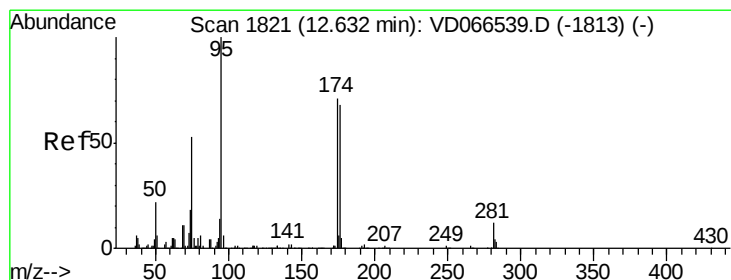
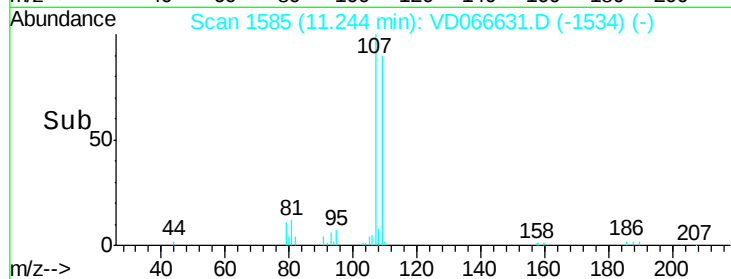
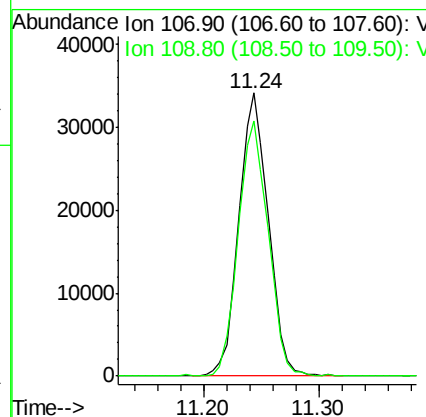
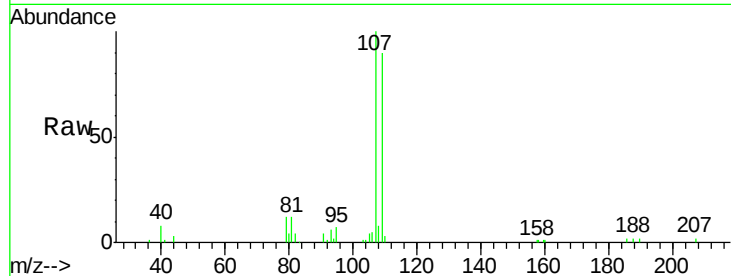
#61
 1,2-Dibromoethane
 Concen: 21.648 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	74.4	111.6

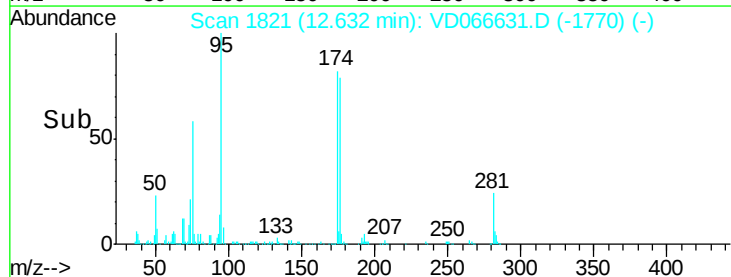
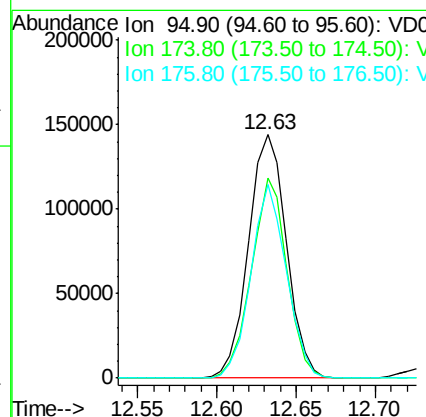
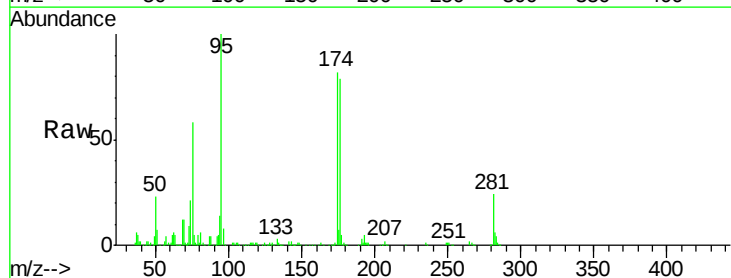
Manual Integrations
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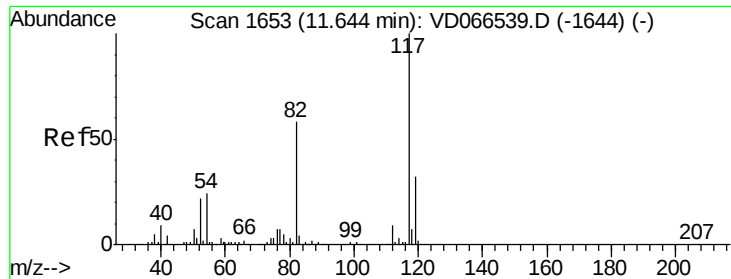
MMDadoda
 9/11/2020 10:18:04 AM



#62
 4-Bromofluorobenzene
 Concen: 53.189 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	155.8
176	74.5	0.0	148.6





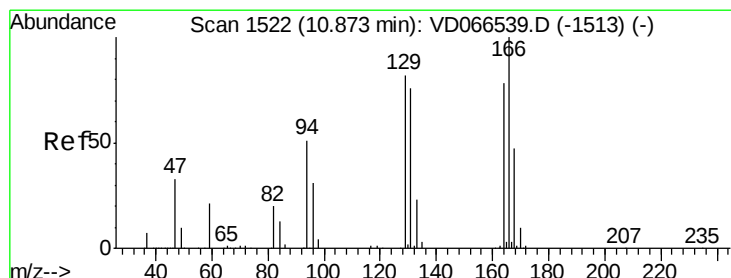
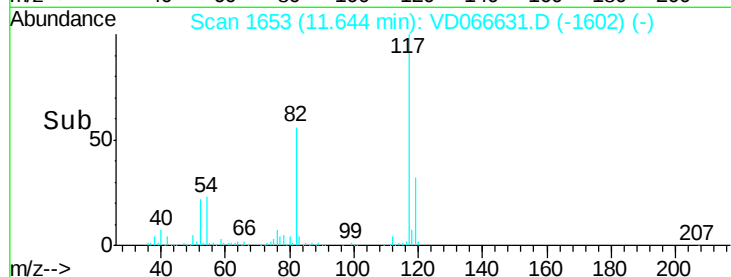
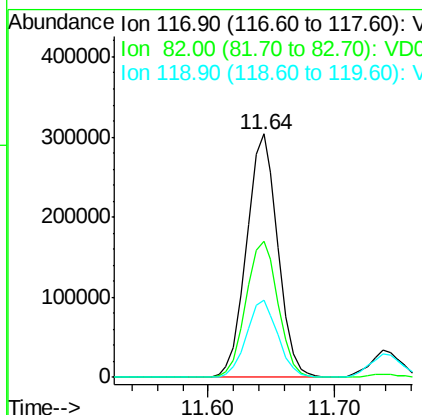
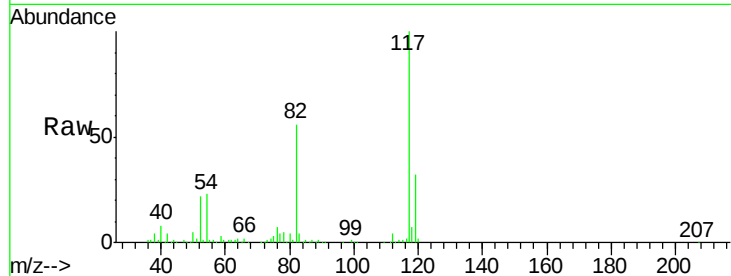
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	520319		
82	56.1		46.2	69.2
119	31.9		25.8	38.8

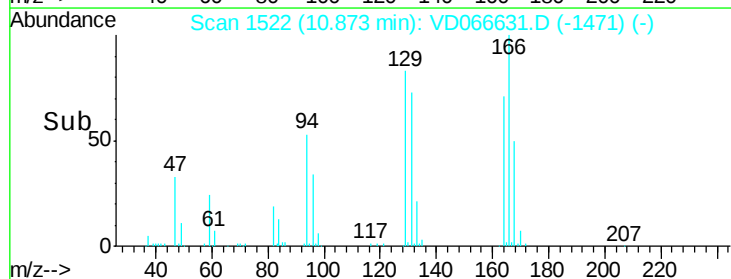
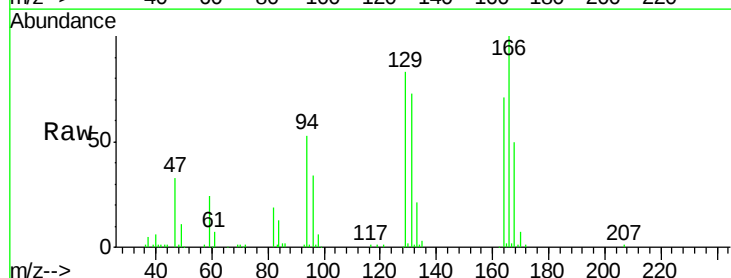
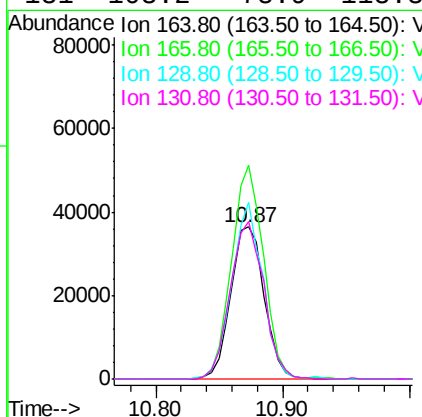
Manual Integrations
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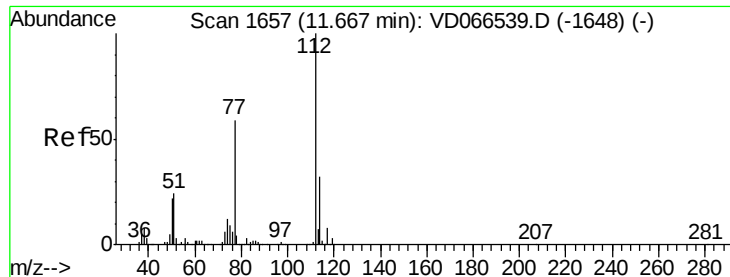
MMDadoda
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#64
Tetrachloroethene
Concen: 18.995 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	66547		
166	140.5		103.2	154.8
129	116.4		84.5	126.7
131	103.2		78.9	118.3





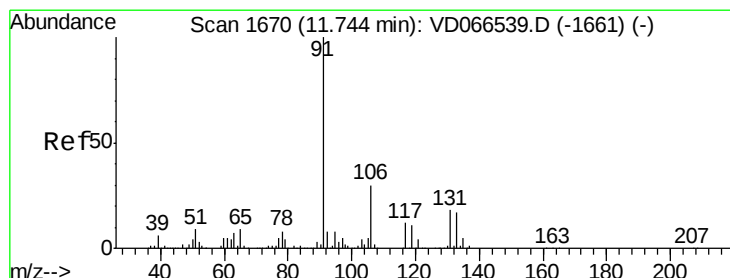
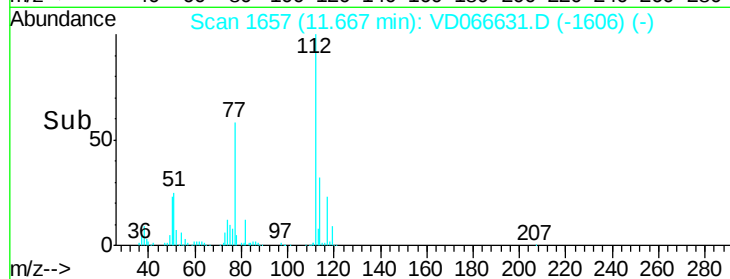
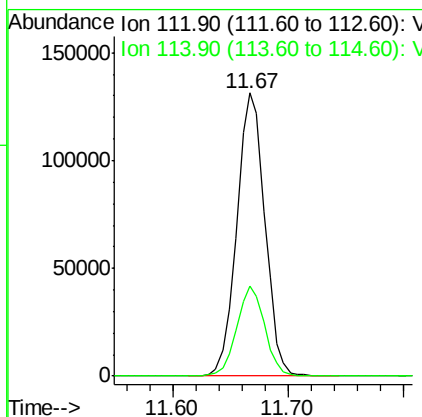
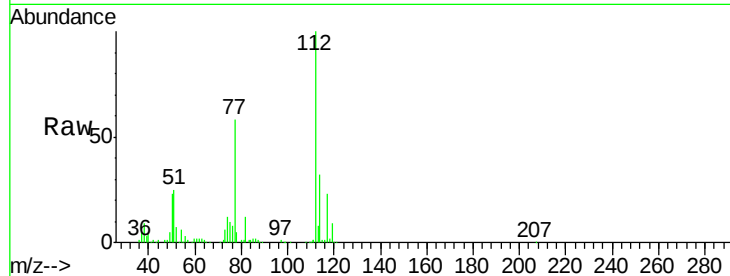
#65
Chlorobenzene
Concen: 20.524 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.7	38.5

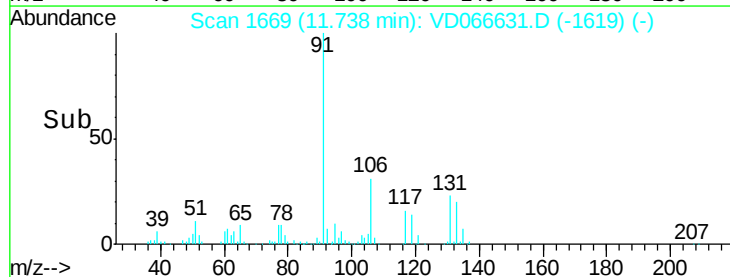
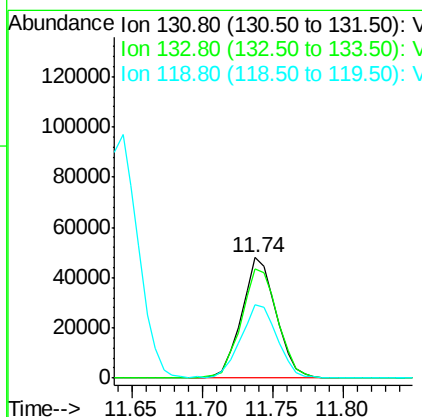
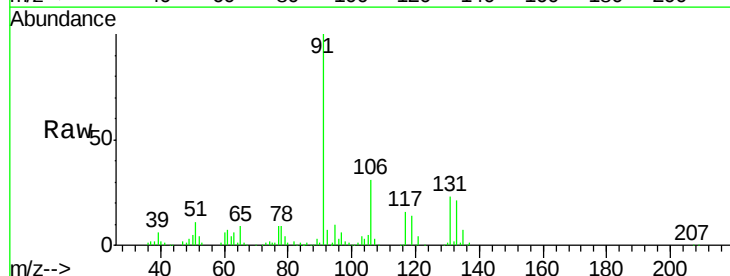
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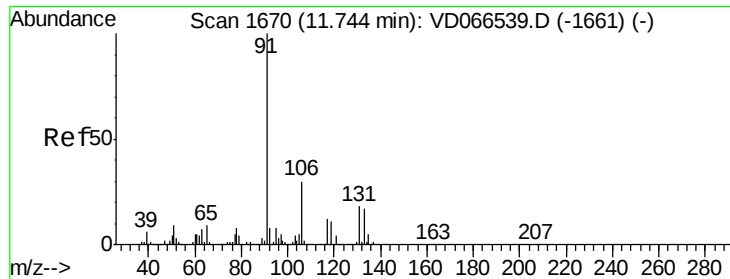
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.008 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	46.7	140.0
119	64.1	31.9	95.7





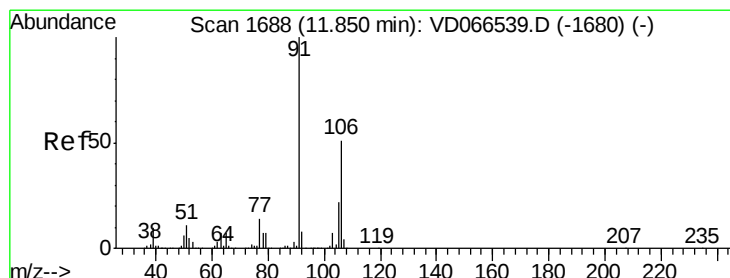
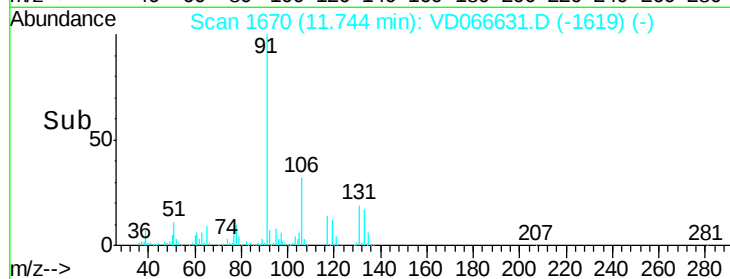
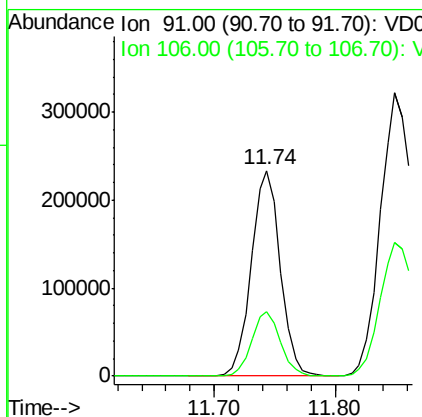
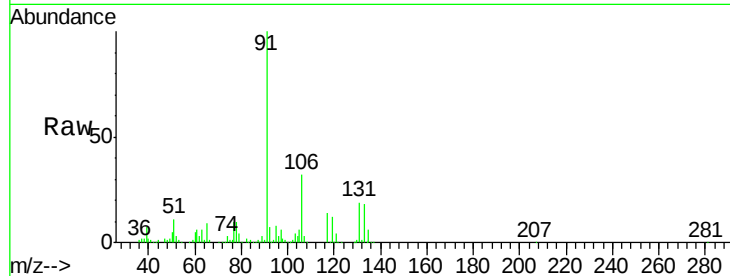
#67
Ethyl Benzene
Concen: 19.744 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD02

Tot Ion: 91 Resp: 389334
Ion Ratio Lower Upper
91 100
106 31.5 24.3 36.5

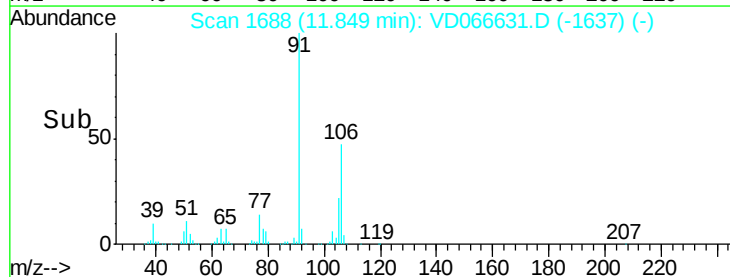
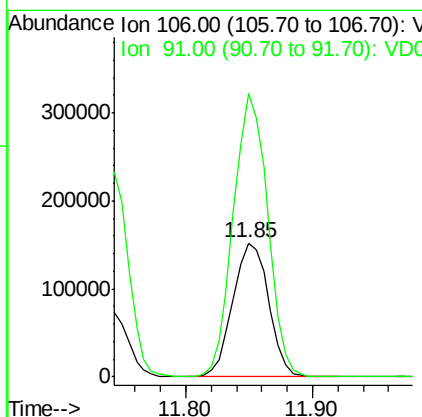
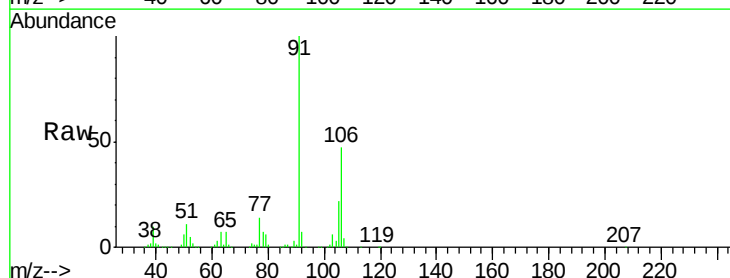
Manual Integrations
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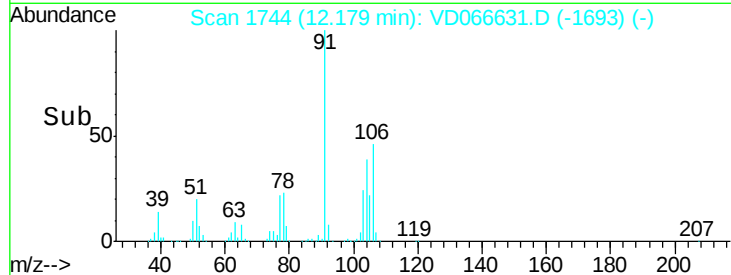
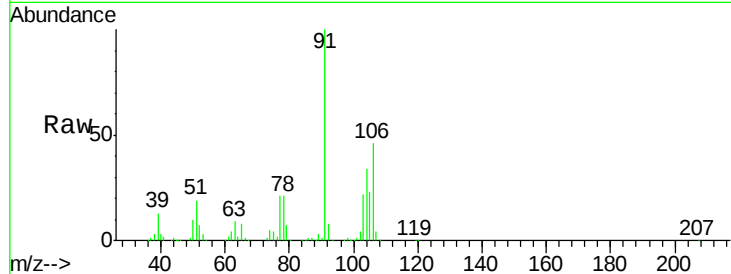
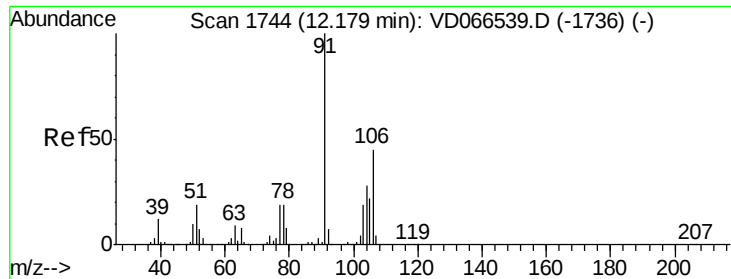
MMDadoda
9/11/2020 10:18:04 AM



#68
m/p-Xylenes
Concen: 40.597 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion: 106 Resp: 297238
Ion Ratio Lower Upper
106 100
91 204.3 162.4 243.6





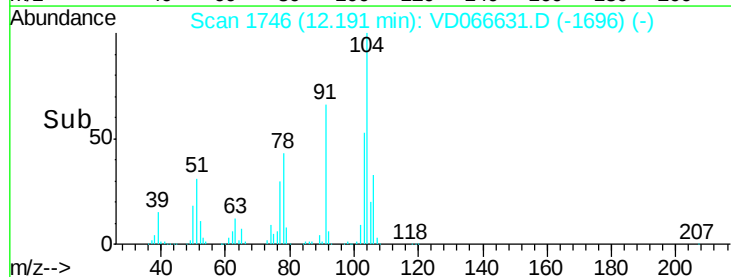
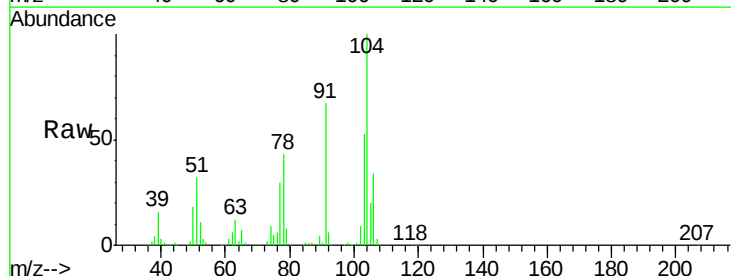
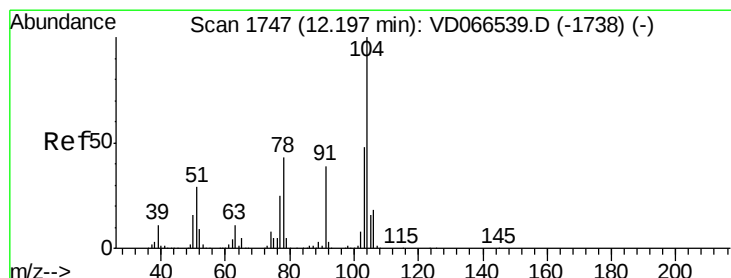
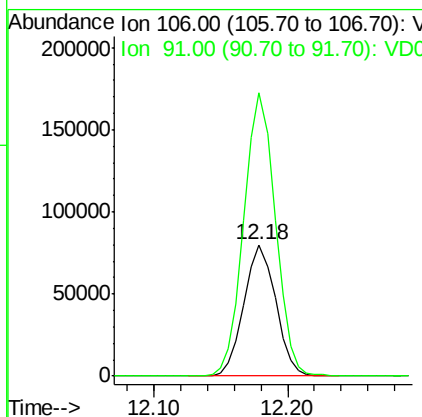
#69
o-Xylene
Concen: 20.062 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tot Ion:106 Resp: 131637
Ion Ratio Lower Upper
106 100
91 214.0 107.9 323.8

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

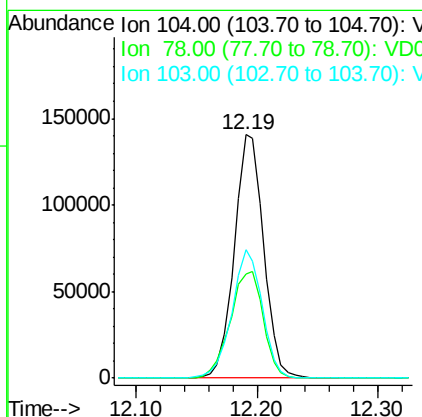
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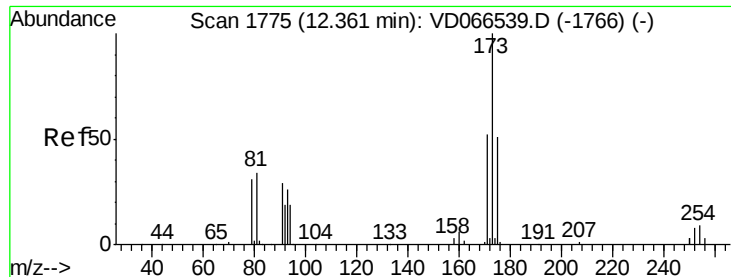
MMDadoda
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#70
Styrene
Concen: 20.836 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion:104 Resp: 237687
Ion Ratio Lower Upper
104 100
78 49.5 40.7 61.1
103 54.4 42.9 64.3





#71

Bromoform

Concen: 21.083 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion:173 Resp: 43548

Ion Ratio Lower Upper

173 100

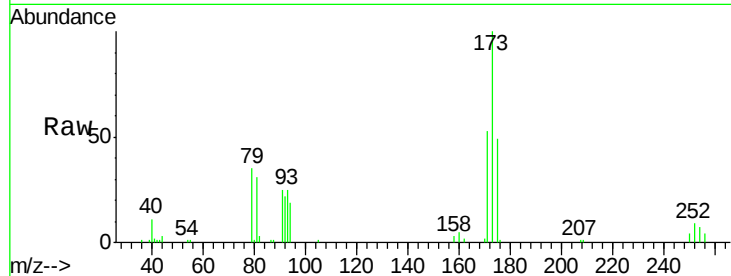
175 48.1 24.2 72.6

254 0.0 0.0 0.0

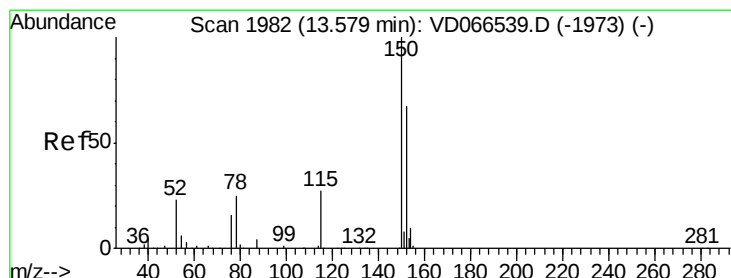
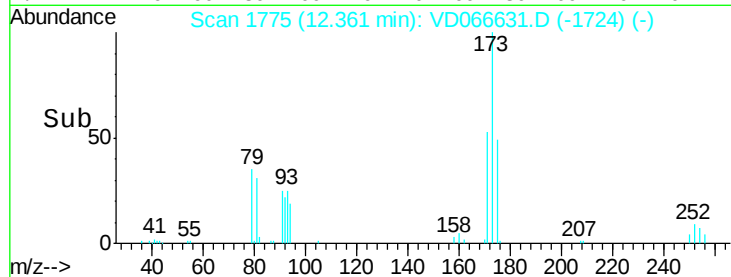
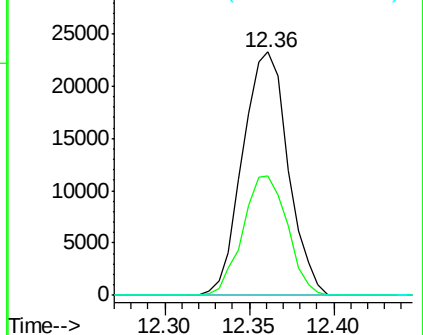
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.01 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

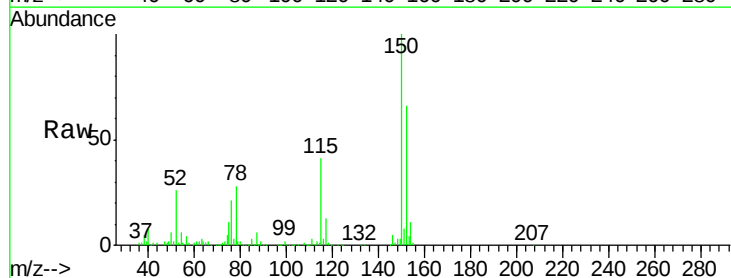
Tgt Ion:152 Resp: 238692

Ion Ratio Lower Upper

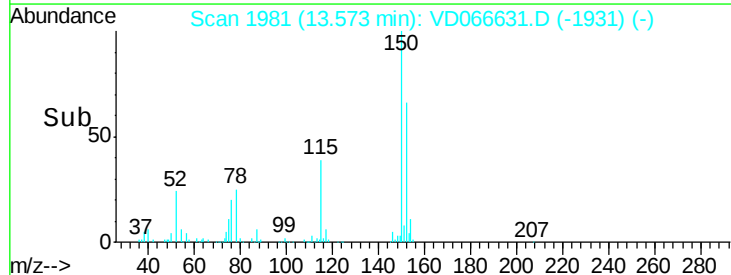
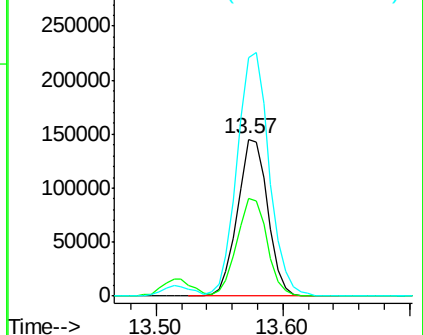
152 100

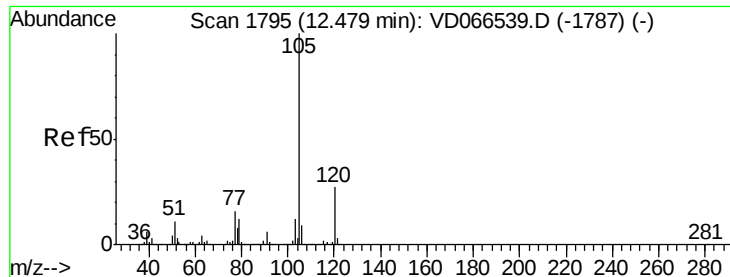
115 62.6 30.4 91.2

150 166.1 0.0 345.8



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





#73

Isopropylbenzene

Concen: 20.334 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion: 105 Resp: 359356

Ion Ratio Lower Upper

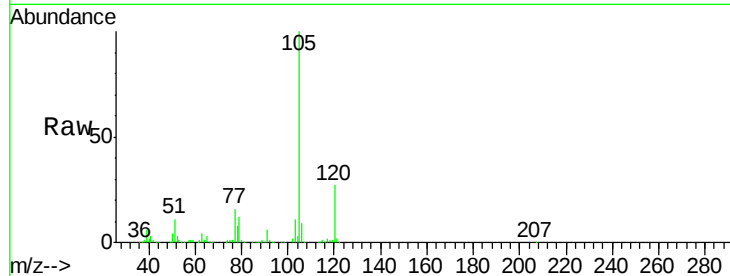
105 100

120 26.1 13.0 39.0

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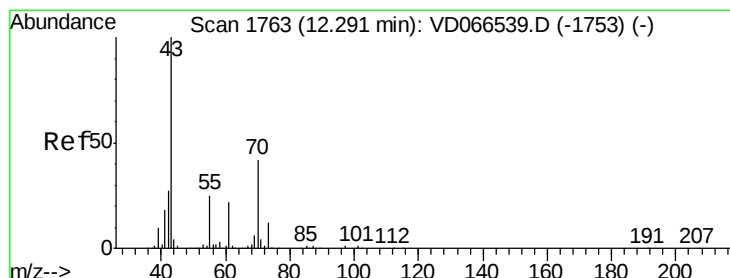
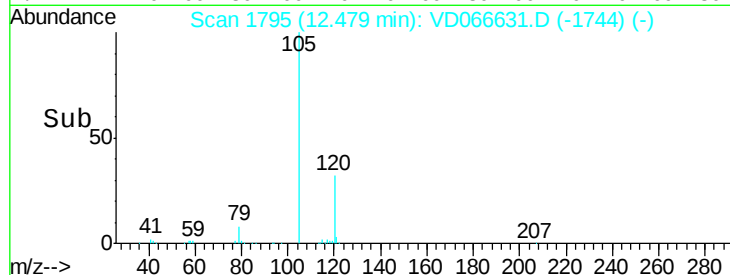
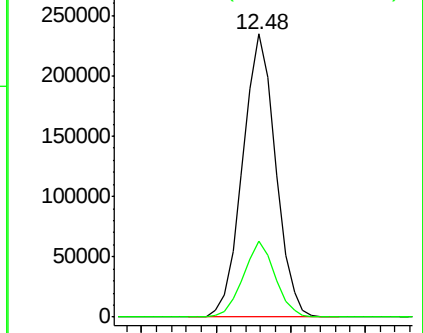
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.363 ug/l

RT: 12.28 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Tgt Ion: 43 Resp: 81504

Ion Ratio Lower Upper

43 100

70 40.6 33.4 50.2

55 26.8 20.1 30.1

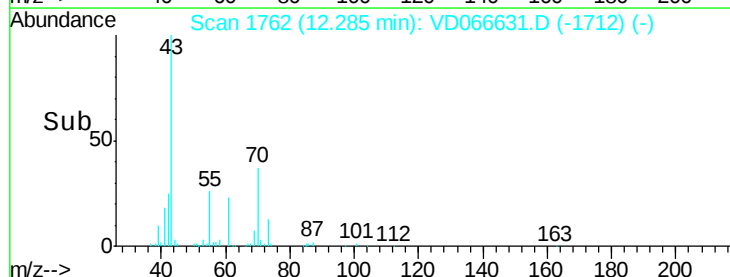
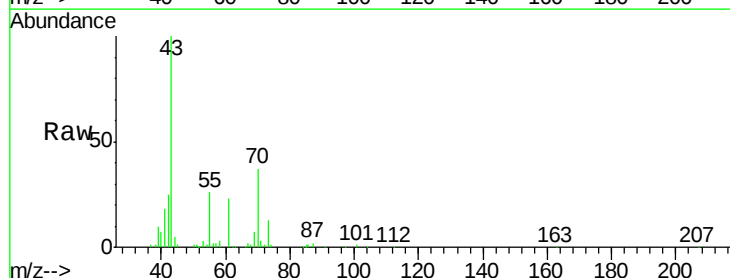
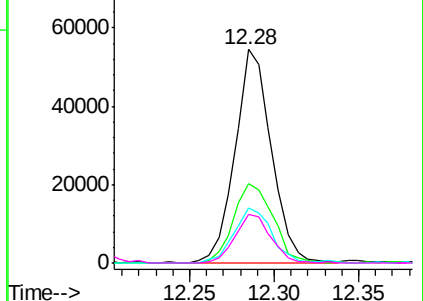
61 22.6 18.2 27.2

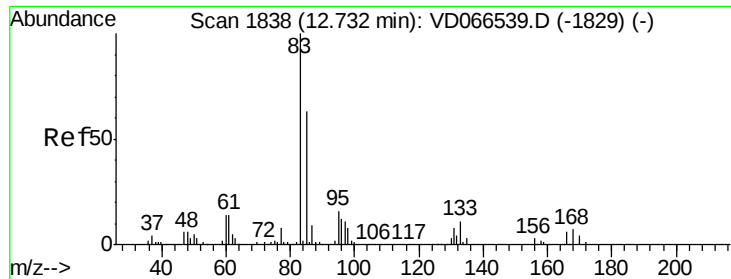
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.709 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

MSVOA_D

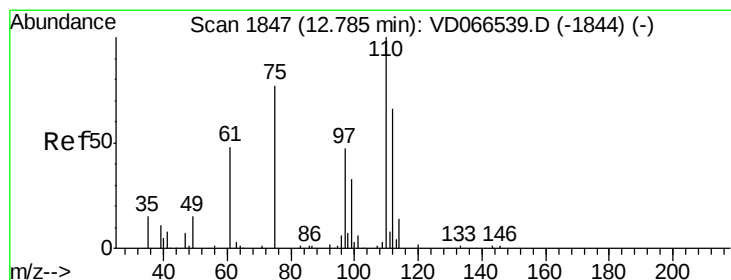
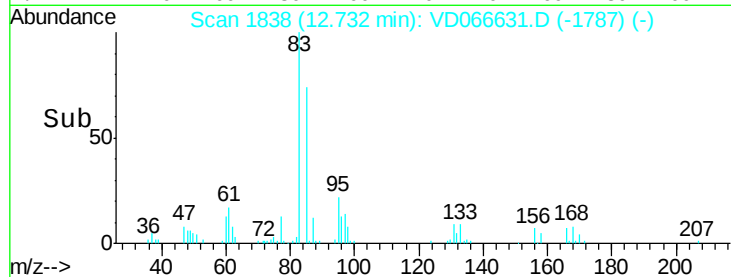
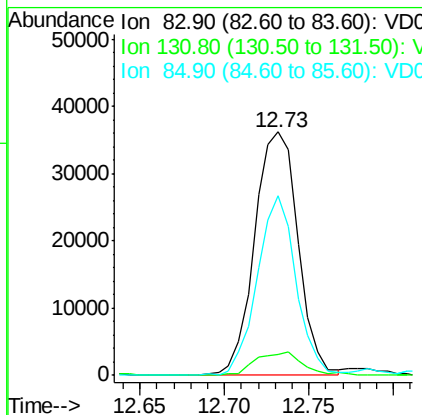
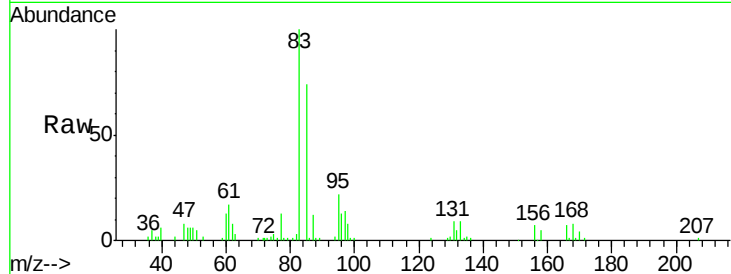
ClientSampleId :

VD0910SBS02

Tot Ion:	83	Resp:	64655
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	15.0
85	65.8	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 18.344 ug/l m

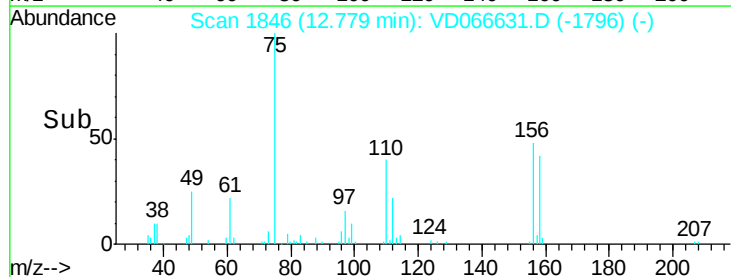
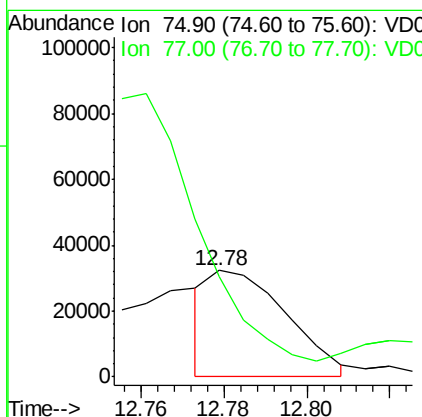
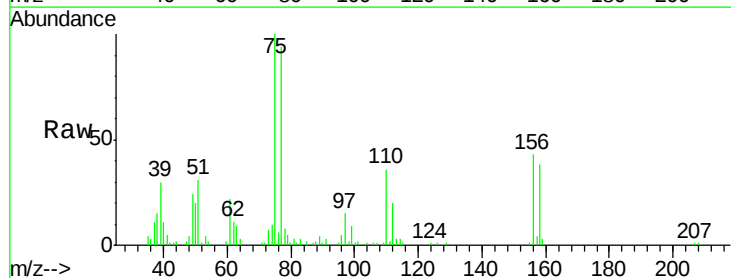
RT: 12.78 min Scan# 1846

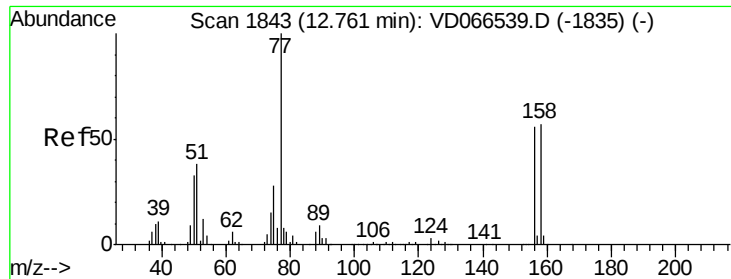
Delta R.T. -0.01 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Tgt Ion:	75	Resp:	42111
Ion	Ratio	Lower	Upper
75	100		
77	390.1	0.0	0.0#





#77

Bromobenzene

Concen: 21.279 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion:156 Resp: 83840

Ion Ratio Lower Upper

156 100

77 195.9 98.0 294.1

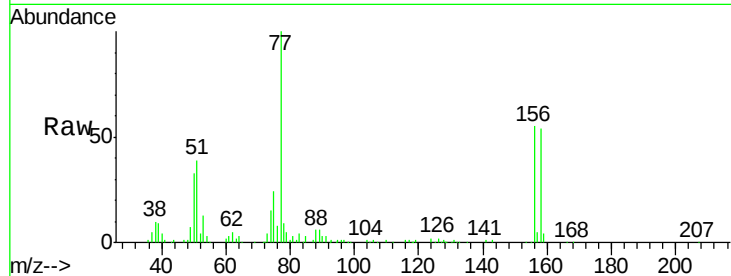
158 98.4 48.1 144.3

Manual Integrations

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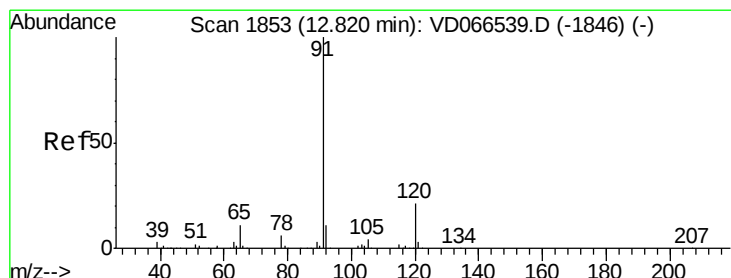
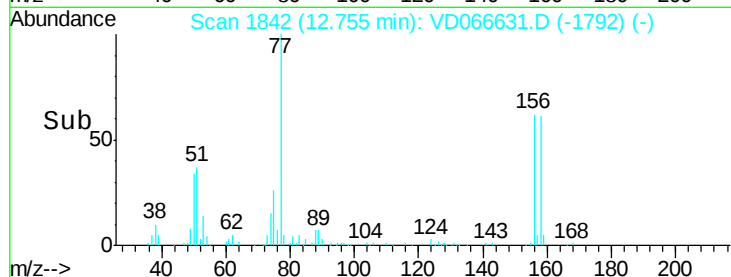
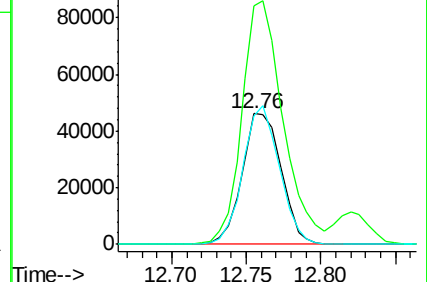
9/11/2020 10:18:04 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.178 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066631.D

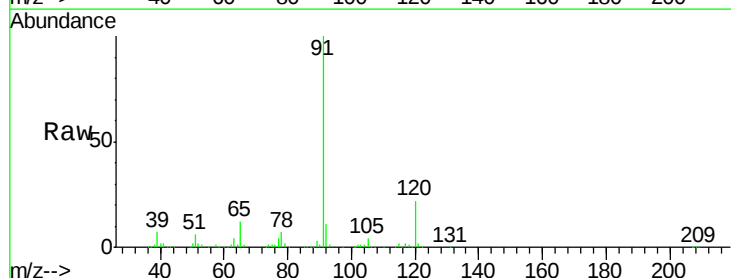
Acq: 11 Sep 2020 00:22

Tgt Ion: 91 Resp: 432289

Ion Ratio Lower Upper

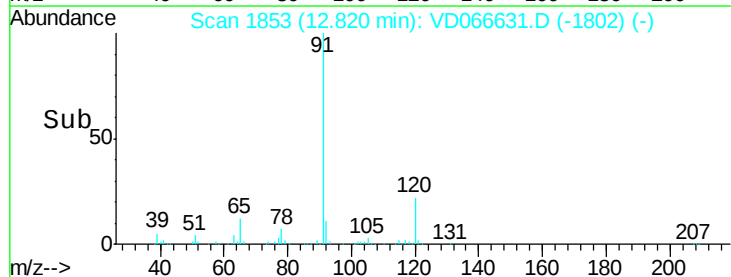
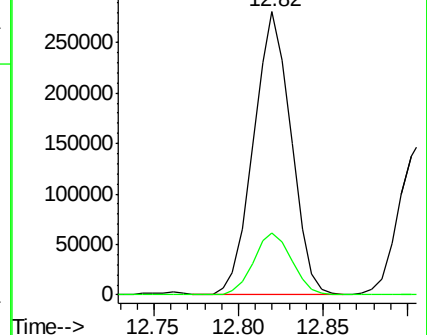
91 100

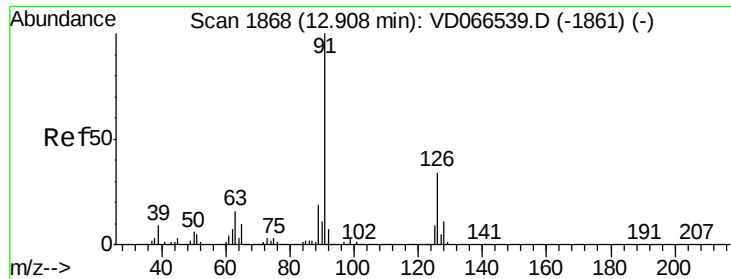
120 22.5 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





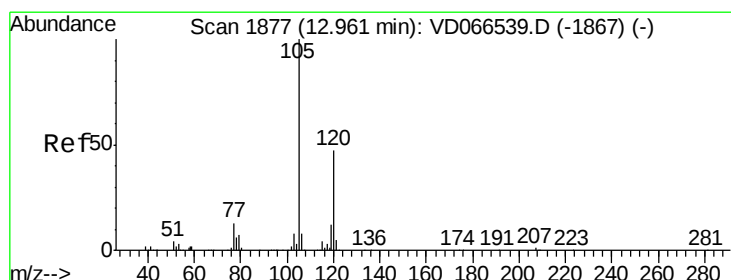
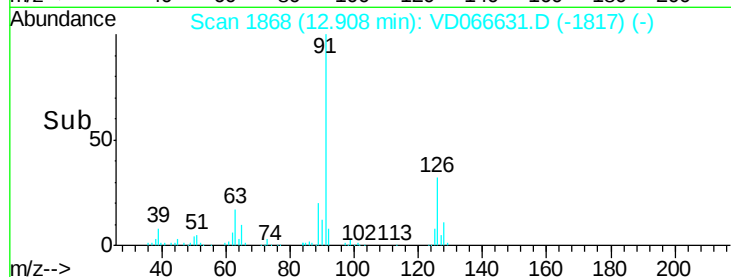
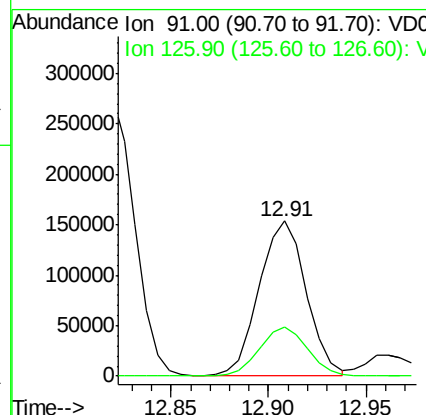
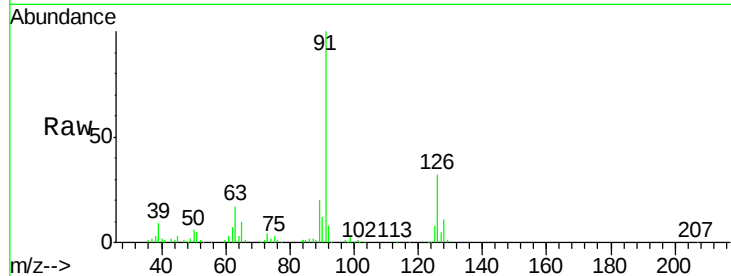
#79
2-Chlorotoluene
Concen: 21.327 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion: 91 Resp: 256325
Ion Ratio Lower Upper
91 100
126 32.1 16.4 49.4

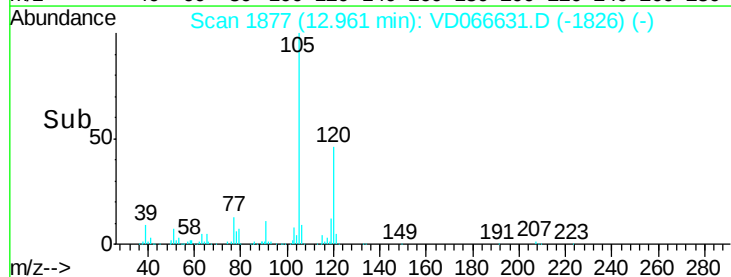
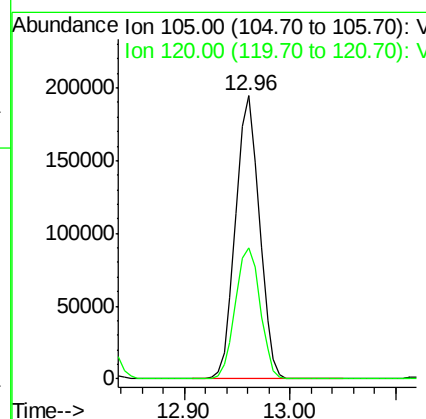
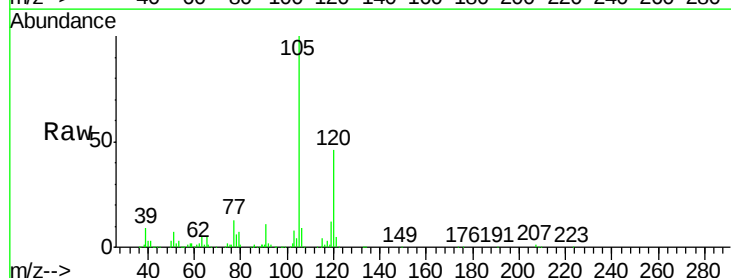
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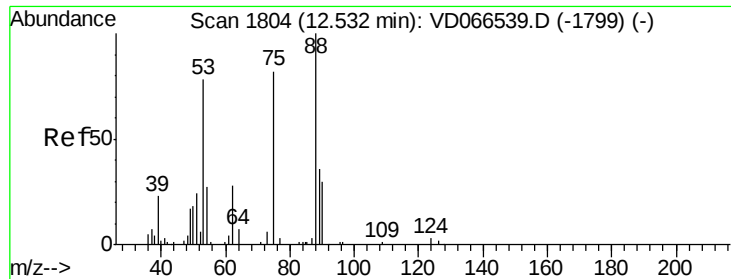
MMDadoda
9/11/2020 10:18:04 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.425 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion: 105 Resp: 303804
Ion Ratio Lower Upper
105 100
120 48.0 23.9 71.8





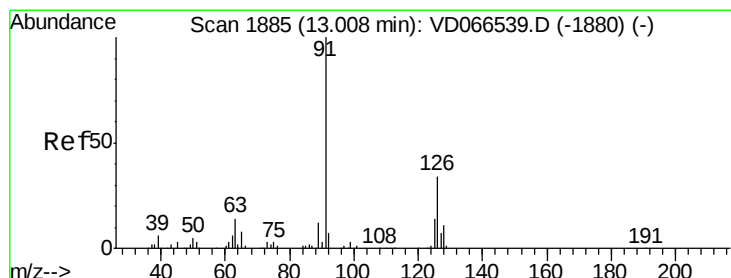
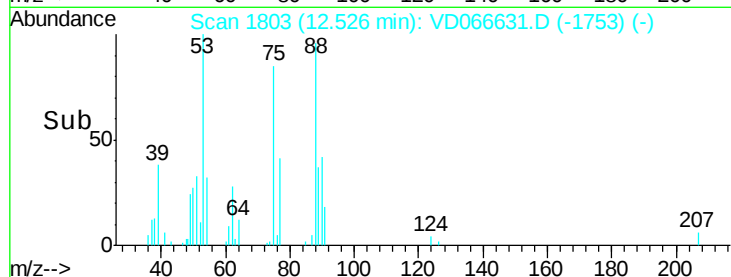
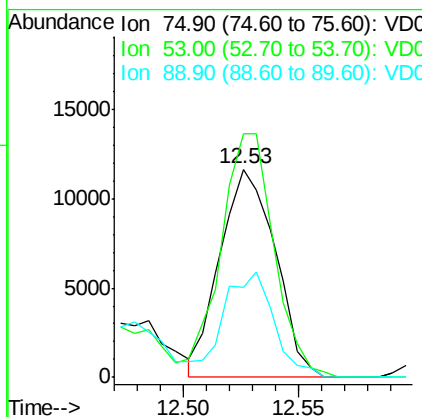
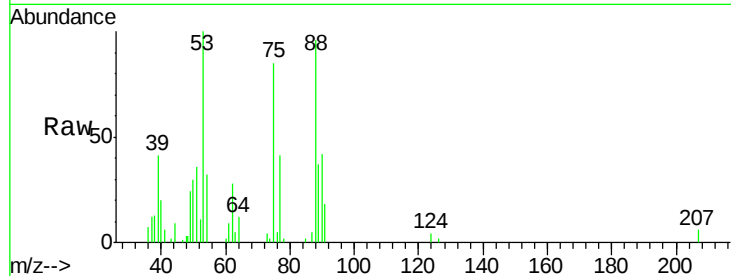
#81
trans-1,4-Dichloro-2-butene
Concen: 19.841 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.8	87.0	130.4
89	45.9	37.1	55.7

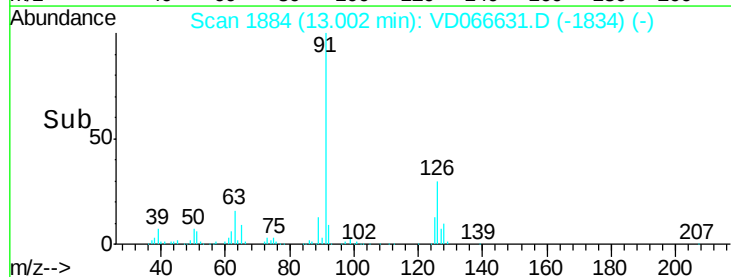
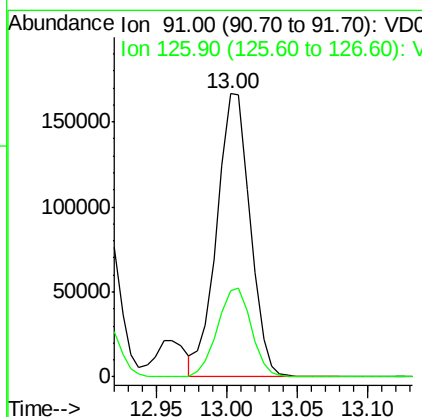
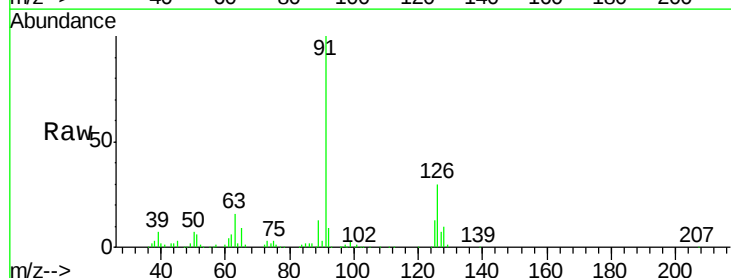
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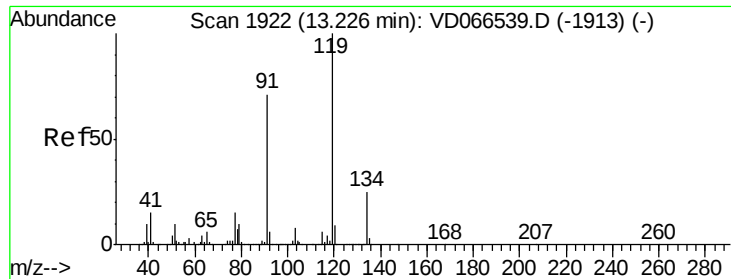
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.310 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.4	49.1





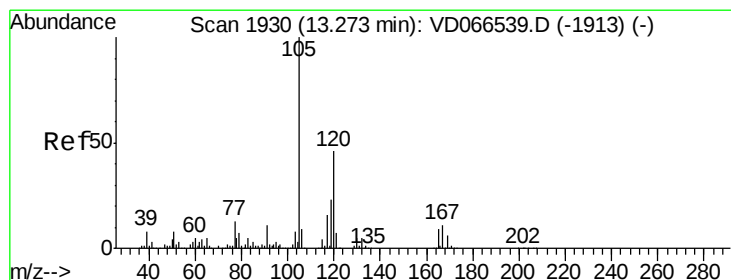
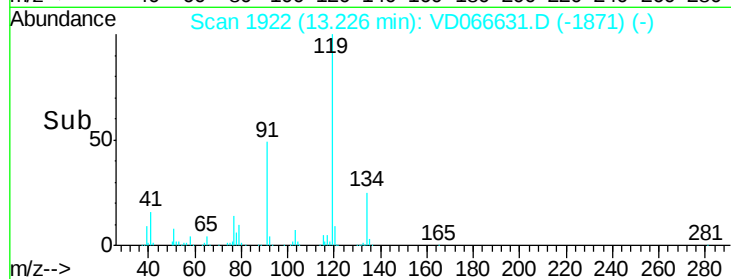
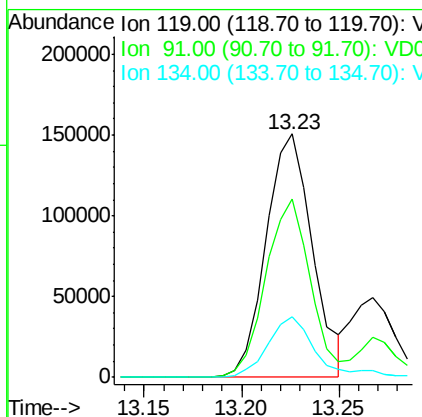
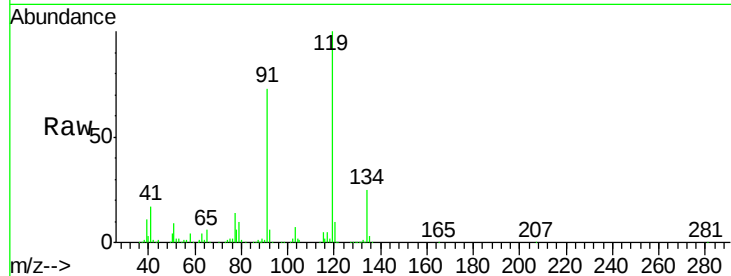
#83
 tert-Butylbenzene
 Concen: 20.492 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.0	35.2	105.6
134	25.8	13.5	40.5

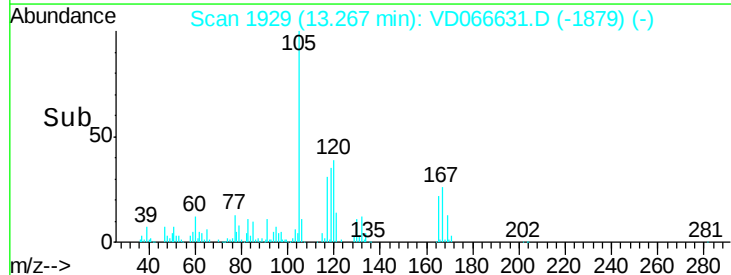
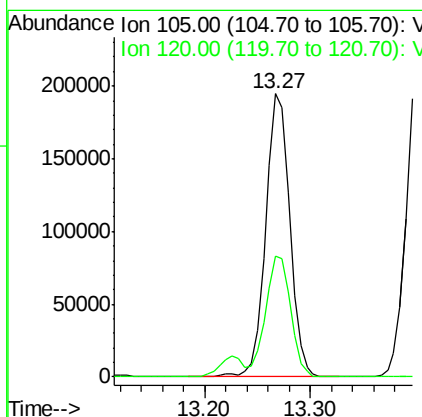
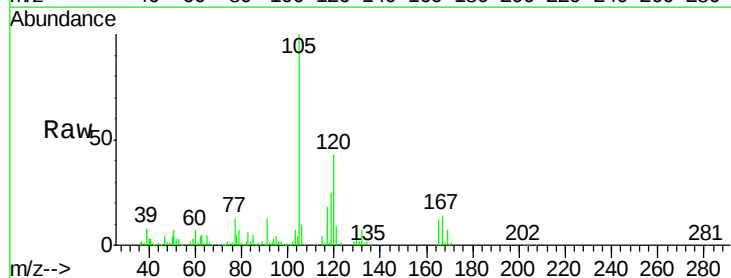
Manual Integrations
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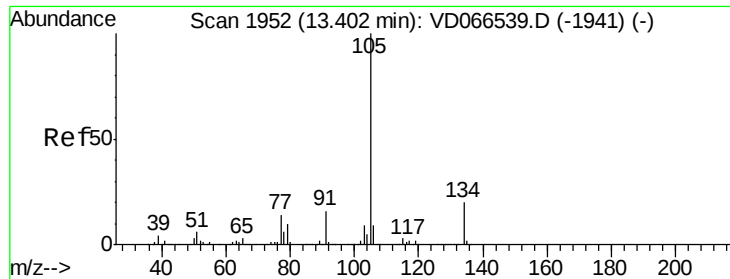
MMDadoda
 9/11/2020 10:18:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.755 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.6	22.6	67.7





#85

sec-Butylbenzene

Concen: 20.165 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS02

Tot Ion:105 Resp: 352880

Ion Ratio Lower Upper

105 100

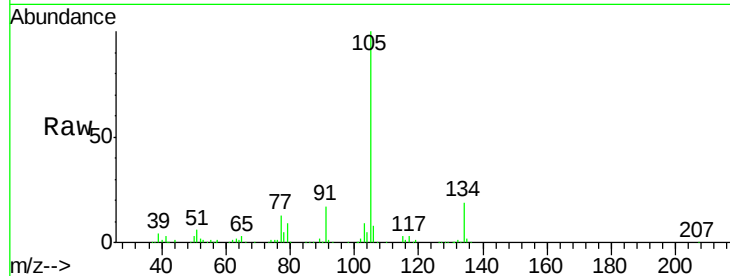
134 20.0 9.8 29.5

Manual Integrations

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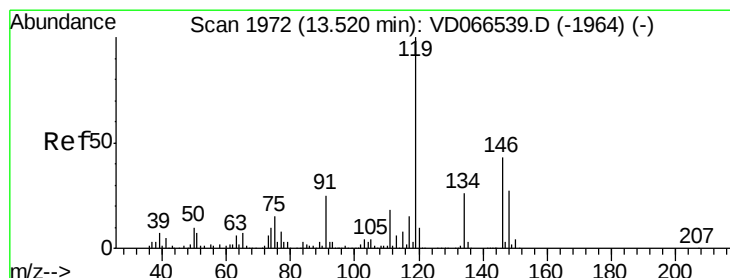
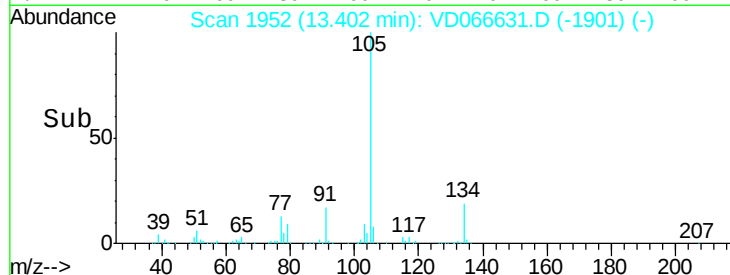
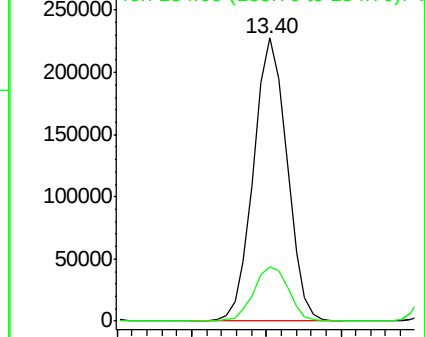
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.981 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

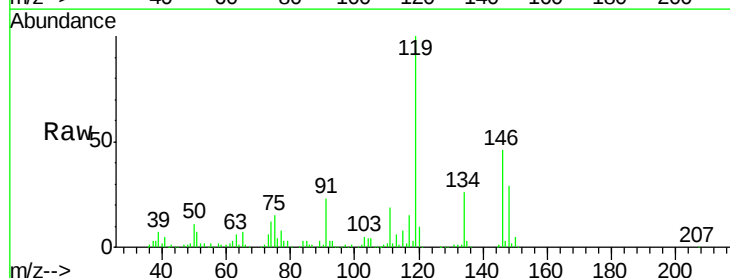
Tgt Ion:119 Resp: 314728

Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.0

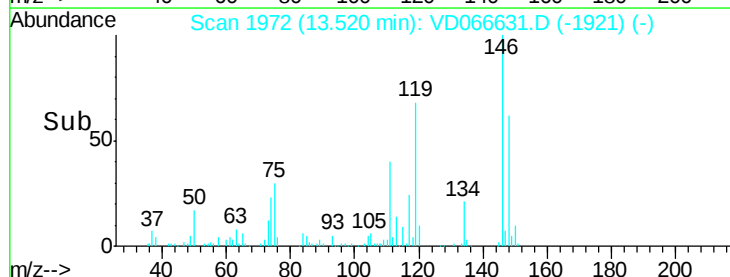
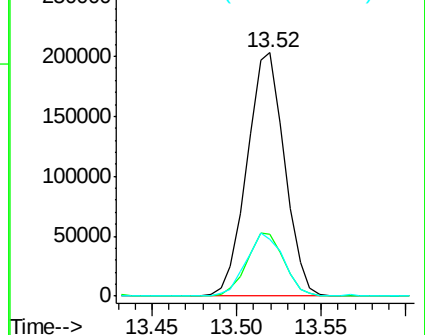
91 25.4 12.5 37.5

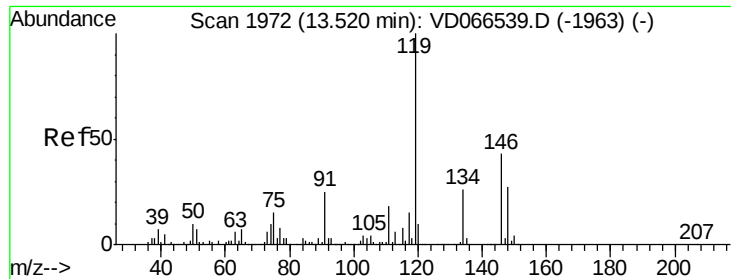


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





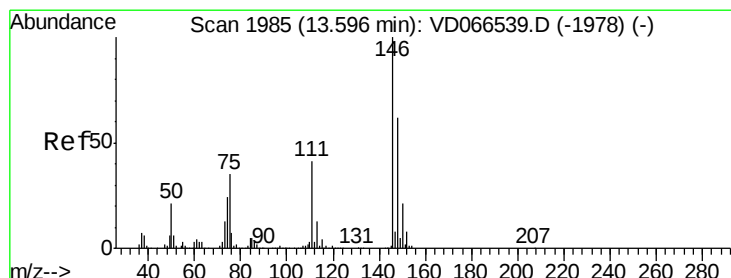
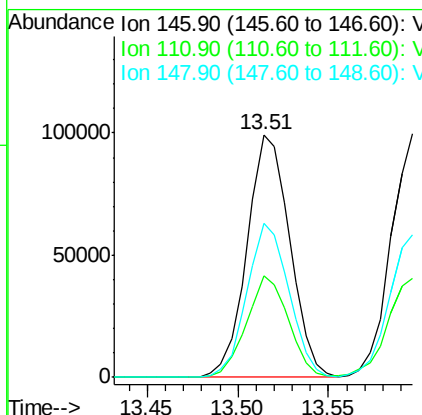
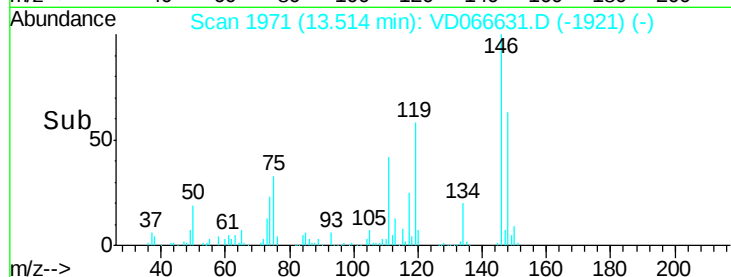
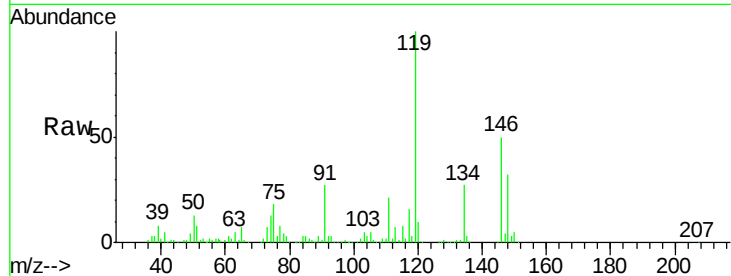
#87
 1,3-Dichlorobenzene
 Concen: 20.803 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	162722		
111	41.3	20.6	61.9	
148	62.6	32.1	96.3	

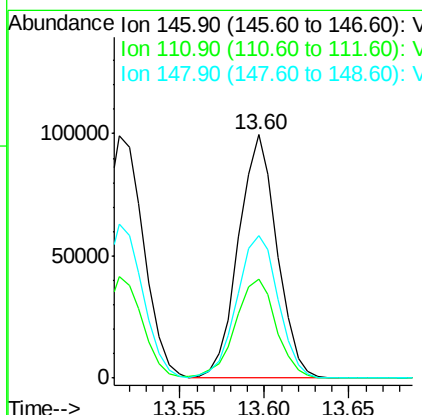
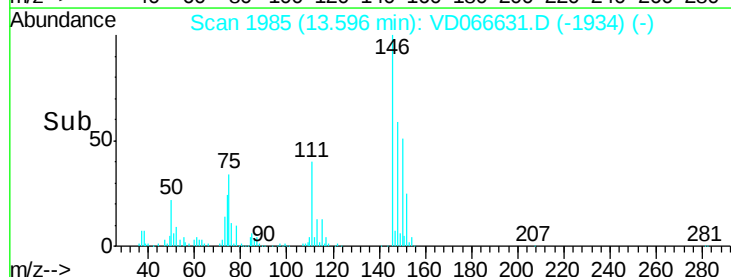
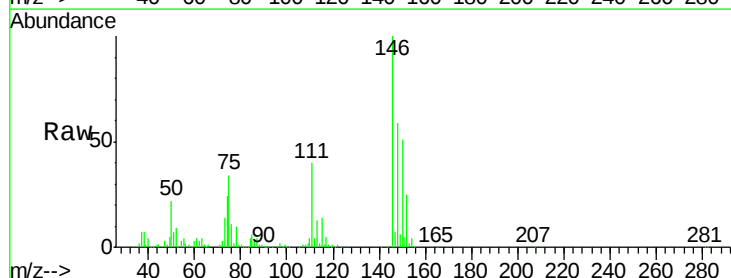
Manual Integrations
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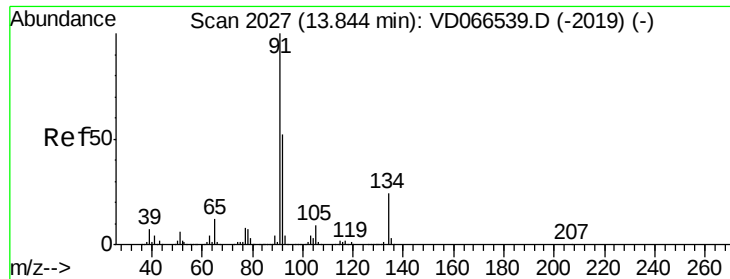
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#88
 1,4-Dichlorobenzene
 Concen: 20.129 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	158026		
111	43.3	20.1	60.2	
148	63.0	31.6	94.8	





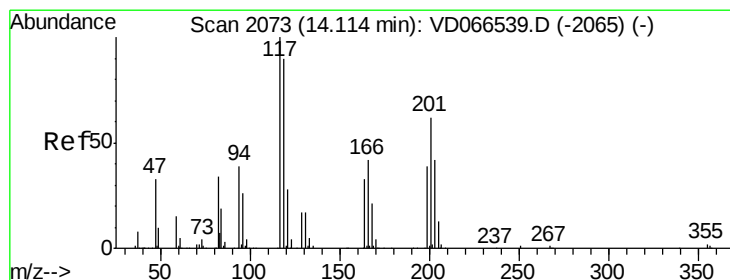
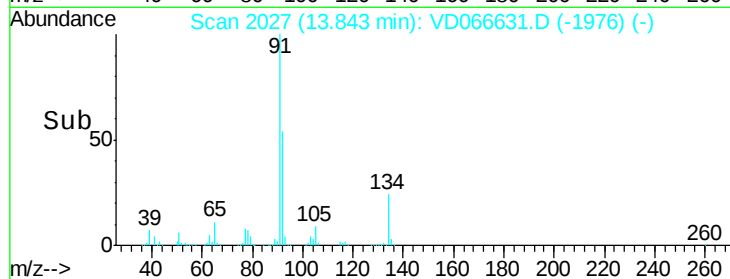
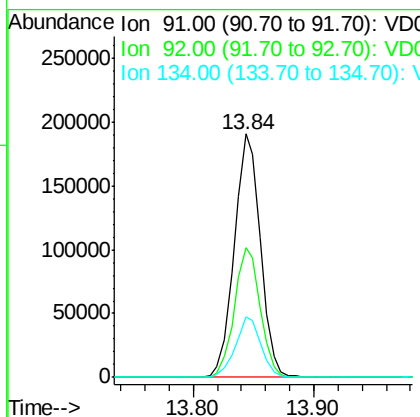
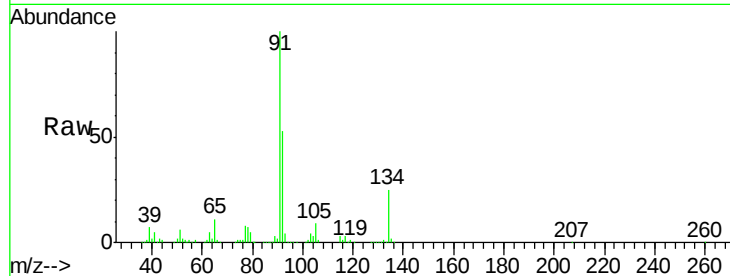
#89
n-Butylbenzene
Concen: 18.673 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	286608		
92	52.8	26.5	79.5	
134	24.3	12.1	36.3	

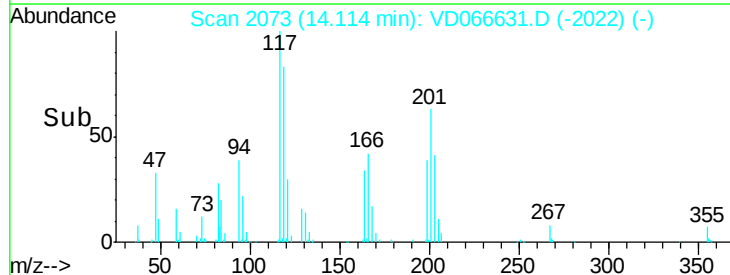
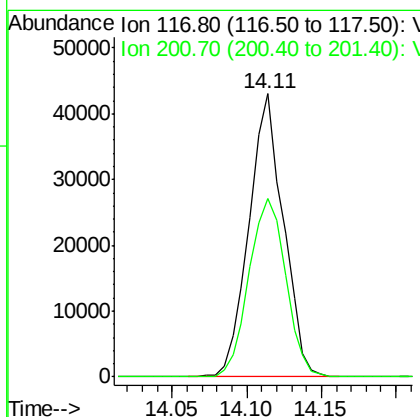
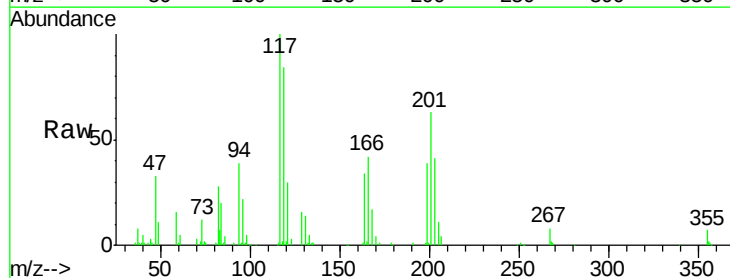
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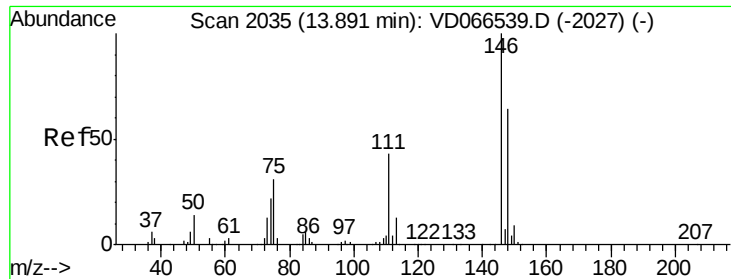
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#90
Hexachloroethane
Concen: 20.273 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	68804		
201	67.2	31.9	95.5	





#91

1,2-Dichlorobenzene

Concen: 20.729 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Instrument :

MSVOA_D

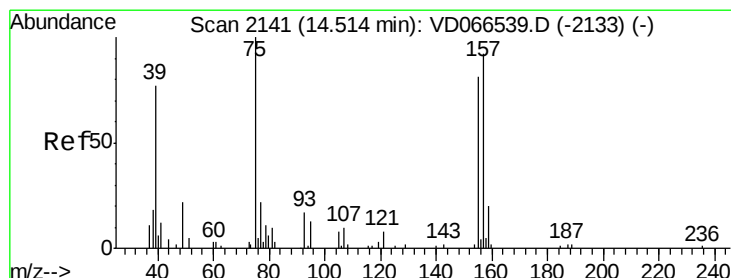
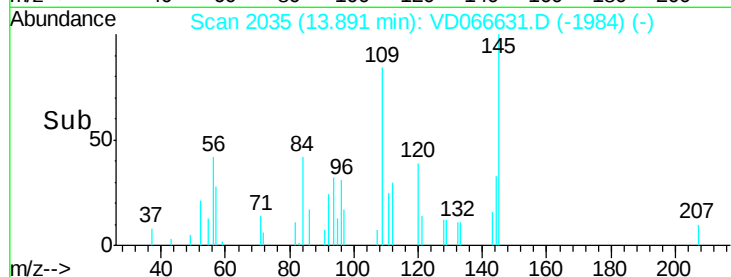
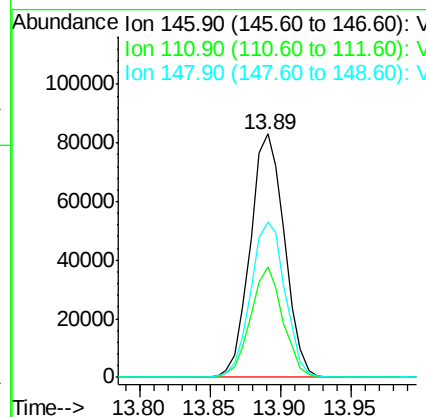
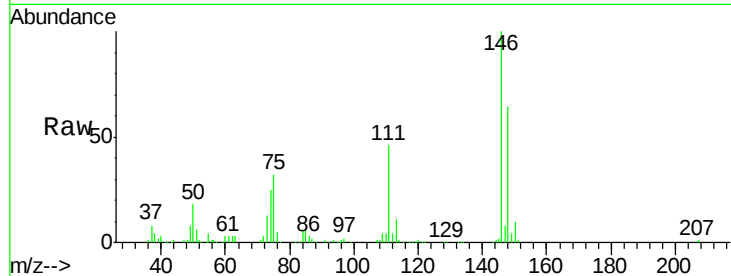
ClientSampleId :

VD0910SBS02

Tot Ion:	146	Resp:	141724
Ion Ratio	Lower	Upper	
146	100		
111	42.9	21.1	63.4
148	64.2	31.8	95.3

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9/11/2020 10:18:04 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.521 ug/l

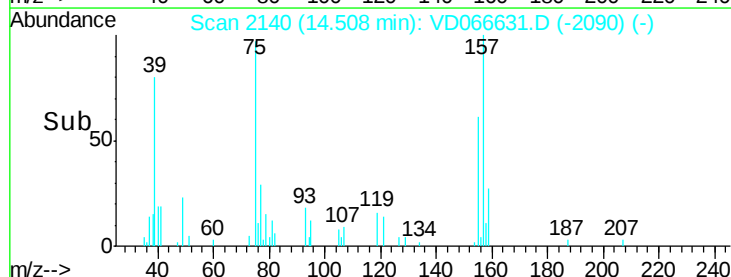
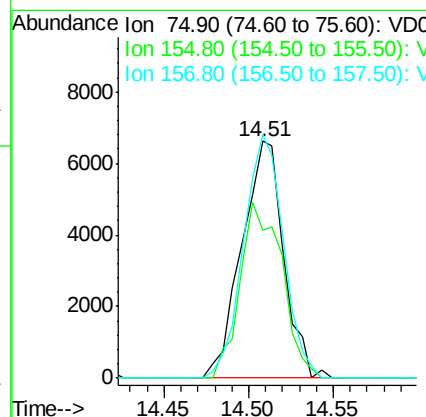
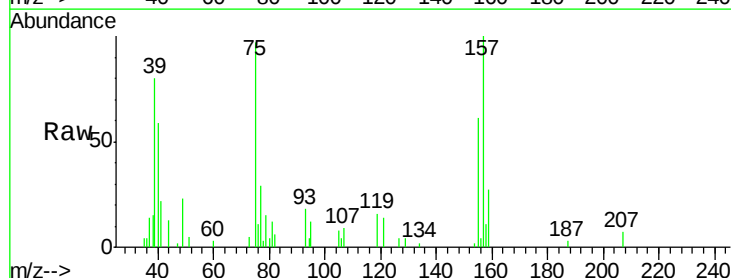
RT: 14.51 min Scan# 2140

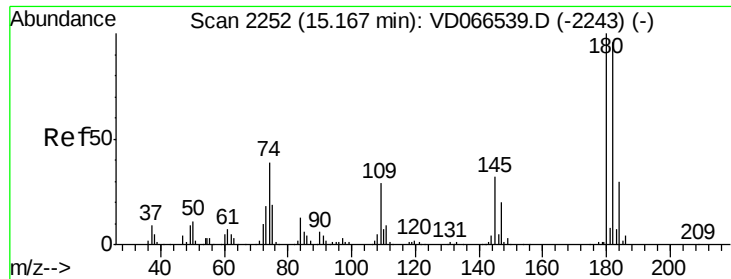
Delta R.T. -0.01 min

Lab File: VD066631.D

Acq: 11 Sep 2020 00:22

Tgt Ion:	75	Resp:	11414
Ion Ratio	Lower	Upper	
75	100		
155	74.0	39.3	117.8
157	98.1	46.0	137.8





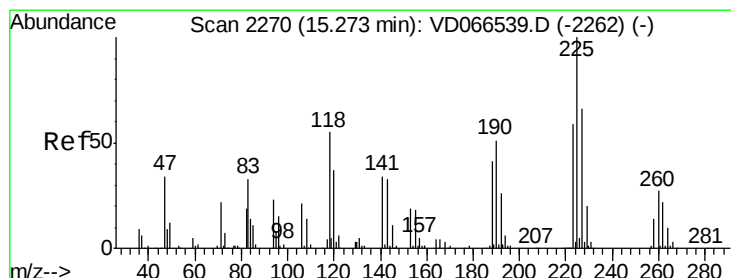
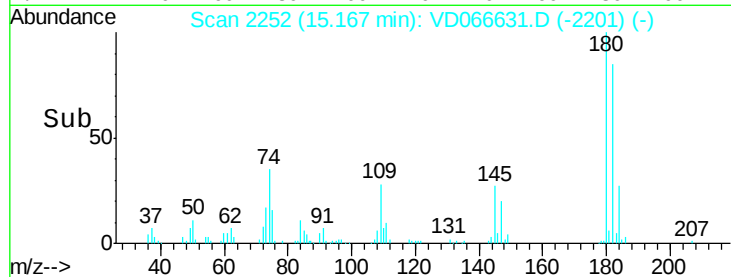
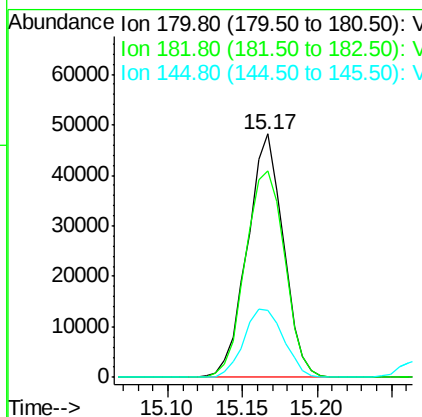
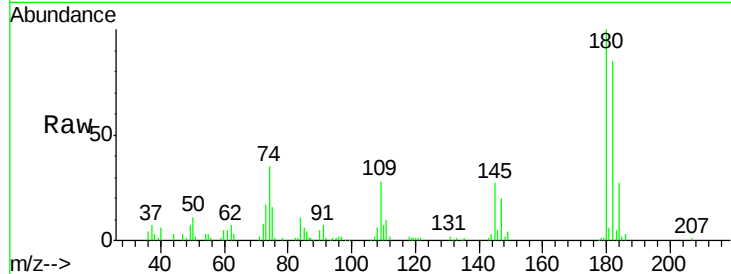
#93
 1,2,4-Trichlorobenzene
 Concen: 19.607 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	80450		
182	92.6		48.4	145.0
145	30.9		16.7	50.0

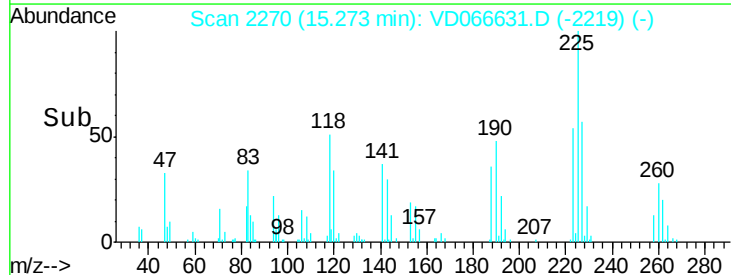
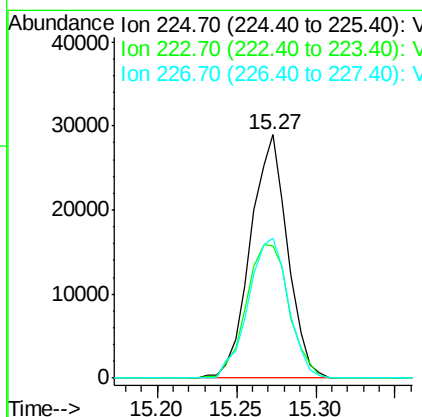
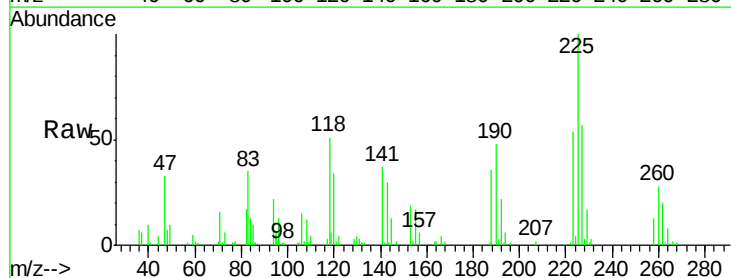
Manual Integrations
 APPROVED

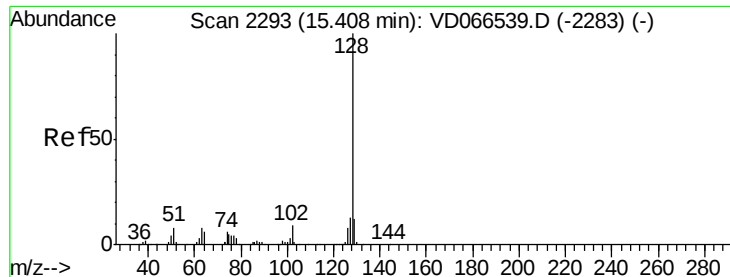
MMDadoda
 9/11/2020 10:18:04 AM



#94
 Hexachlorobutadiene
 Concen: 19.116 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066631.D
 Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	47121		
223	63.5		30.5	91.5
227	61.9		32.4	97.2





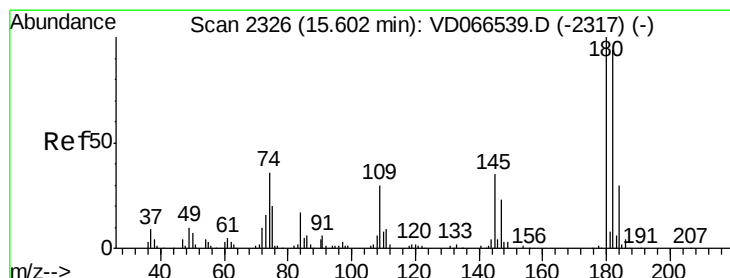
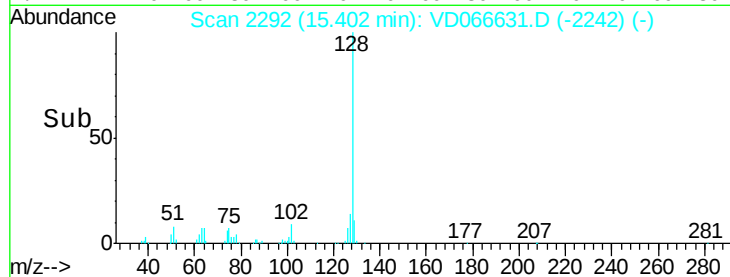
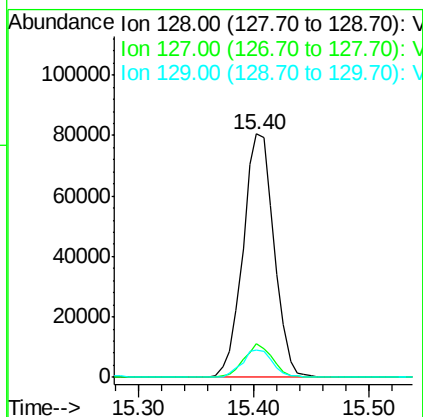
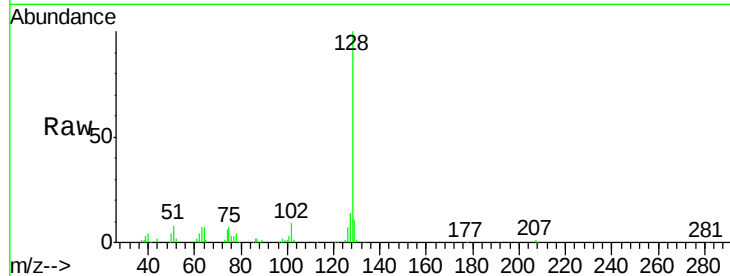
#95
Naphthalene
Concen: 20.936 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	150111		
127	12.7	10.7	16.1	
129	11.2	9.1	13.7	

Manual Integrations
APPROVED

MMDadoda
9/11/2020 10:18:04 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.052 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066631.D
Acq: 11 Sep 2020 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	73642		
182	95.2	47.9	143.6	
145	34.1	17.3	51.7	

