

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066610.D
 Acq On : 10 Sep 2020 12:31
 Operator : VA/SY
 Sample : VD0910SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:17:55 AM

Quant Time: Sep 11 02:24:20 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	348852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	580624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	527521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244090	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	219796	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
35) Dibromofluoromethane	7.91	113	201445	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.34	98	745759	53.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.63	95	245149	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71533	22.677	ug/l	93
3) Chloromethane	2.21	50	93636	21.224	ug/l	97
4) Vinyl Chloride	2.35	62	102223	20.891	ug/l	98
5) Bromomethane	2.76	94	70974	20.235	ug/l	89
6) Chloroethane	2.92	64	64797	20.849	ug/l	97
7) Trichlorofluoromethane	3.27	101	154012	21.306	ug/l	93
8) Diethyl Ether	3.71	74	34584	19.000	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84540	21.610	ug/l	99
10) Methyl Iodide	4.30	142	67186	21.336	ug/l	98
11) Tert butyl alcohol	5.21	59	30167	84.136	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	75966	21.614	ug/l	93
13) Acrolein	3.93	56	14941	86.574	ug/l	92
14) Allyl chloride	4.72	41	122238	21.221	ug/l	99
15) Acrylonitrile	5.43	53	78508	100.403	ug/l	97
16) Acetone	4.16	43	77532	99.834	ug/l	93
17) Carbon Disulfide	4.40	76	243569	21.080	ug/l	99
18) Methyl Acetate	4.71	43	37181	20.084	ug/l	92
19) Methyl tert-butyl Ether	5.47	73	165190	20.042	ug/l	97
20) Methylene Chloride	4.96	84	101806	20.096	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	88319	21.161	ug/l	97
22) Diisopropyl ether	6.36	45	254571	21.491	ug/l	97
23) Vinyl Acetate	6.31	43	695182	103.130	ug/l	100
24) 1,1-Dichloroethane	6.26	63	157475	21.140	ug/l	98
25) 2-Butanone	7.21	43	102759	98.568	ug/l	94
26) 2,2-Dichloropropane	7.20	77	146197	21.396	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	91994	20.496	ug/l	97
28) Bromochloromethane	7.54	49	54840	19.123	ug/l #	99
29) Tetrahydrofuran	7.56	42	65470	100.836	ug/l	100
30) Chloroform	7.71	83	165157	20.957	ug/l	98
31) Cyclohexane	7.98	56	143388	20.824	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	152246	20.548	ug/l	100
36) 1,1-Dichloropropene	8.11	75	128998	21.348	ug/l	98
37) Ethyl Acetate	7.29	43	45642	18.969	ug/l	97
38) Carbon Tetrachloride	8.09	117	139884	21.902	ug/l	99

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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	142827	21.168	ug/l	95
40) Benzene	8.34	78	340364	20.567	ug/l	98
41) Methacrylonitrile	7.52	41	25285	21.709	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	107995	20.141	ug/l	100
43) Isopropyl Acetate	8.45	43	90277	19.578	ug/l	99
44) Trichloroethene	9.11	130	91609	21.103	ug/l	100
45) 1,2-Dichloropropane	9.38	63	86672	20.826	ug/l	97
46) Dibromomethane	9.47	93	47037	20.486	ug/l	95
47) Bromodichloromethane	9.66	83	126388	20.345	ug/l	98
48) Methyl methacrylate	9.45	41	48642	20.862	ug/l	96
49) 1,4-Dioxane	9.46	88	10042	398.648	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	233343	100.342	ug/l	99
52) Toluene	10.40	92	219395	20.943	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	113293	20.659	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	135853	20.629	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	62040	21.015	ug/l	97
56) Ethyl methacrylate	10.66	69	69011	20.077	ug/l	95
57) 1,3-Dichloropropane	10.94	76	104223	20.155	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	175483	111.613	ug/l	96
59) 2-Hexanone	10.98	43	158297	101.223	ug/l	99
60) Dibromochloromethane	11.14	129	81827	20.960	ug/l	97
61) 1,2-Dibromoethane	11.24	107	56896	19.809	ug/l	99
64) Tetrachloroethene	10.87	164	72648	20.454	ug/l	97
65) Chlorobenzene	11.67	112	225747	20.734	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	85378	20.547	ug/l	97
67) Ethyl Benzene	11.74	91	407586	20.388	ug/l	98
68) m/p-Xylenes	11.85	106	308063	41.501	ug/l	96
69) o-Xylene	12.18	106	139701	21.000	ug/l	99
70) Styrene	12.19	104	241220	20.857	ug/l	99
71) Bromoform	12.36	173	43797	20.914	ug/l #	96
73) Isopropylbenzene	12.48	105	391507	21.664	ug/l	100
74) N-amyl acetate	12.29	43	80980	19.784	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	64861	20.315	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	42027m	17.903	ug/l	
77) Bromobenzene	12.76	156	87037	21.602	ug/l	98
78) n-propylbenzene	12.82	91	466532	21.295	ug/l	99
79) 2-Chlorotoluene	12.91	91	267106	21.733	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	328466	21.594	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	21011	20.896	ug/l	96
82) 4-Chlorotoluene	13.00	91	282226	21.474	ug/l	99
83) tert-Butylbenzene	13.23	119	271936	21.893	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	329343	21.747	ug/l	97
85) sec-Butylbenzene	13.40	105	385436	21.538	ug/l	99
86) p-Isopropyltoluene	13.52	119	353630	21.954	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	171198	21.403	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	166644	20.757	ug/l	97
89) n-Butylbenzene	13.84	91	337471	21.500	ug/l	98
90) Hexachloroethane	14.11	117	70785	20.395	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	144191	20.624	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10876	20.053	ug/l	96

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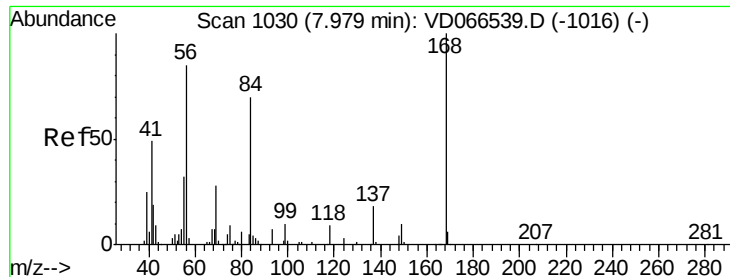
Manual Integrations
APPROVED

MMDadoda
9/11/2020 10:17:55 AM

Quant Time: Sep 11 02:24:20 2020
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	88989	21.209	ug/l	97
94) Hexachlorobutadiene	15.27	225	50974	20.222	ug/l	95
95) Naphthalene	15.41	128	152452	20.792	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	76159	21.290	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion:168 Resp: 348852

Ion Ratio Lower Upper

168 100

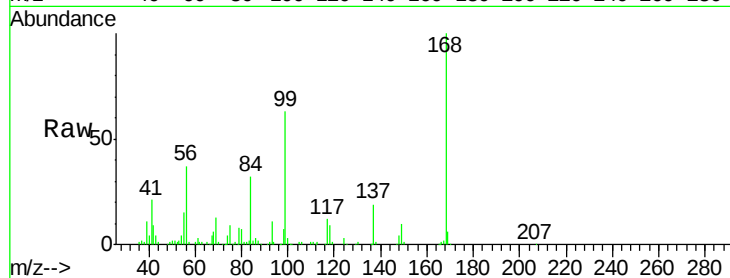
99 62.5 50.5 75.7

Manual Integrations

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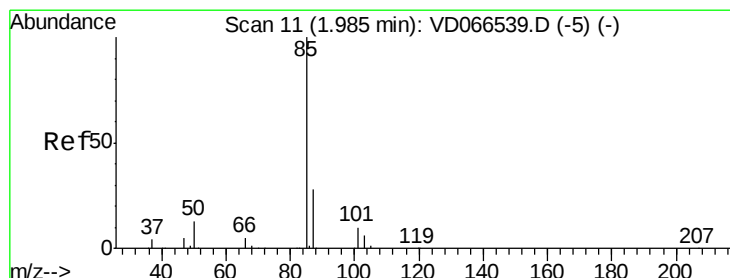
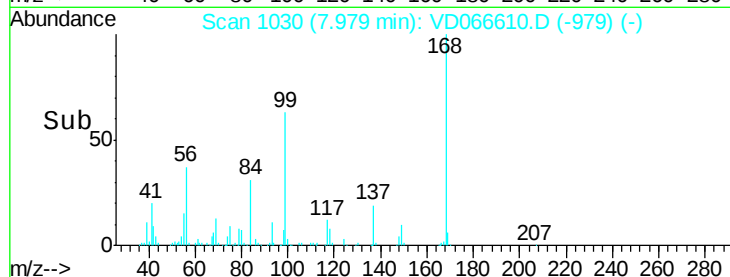
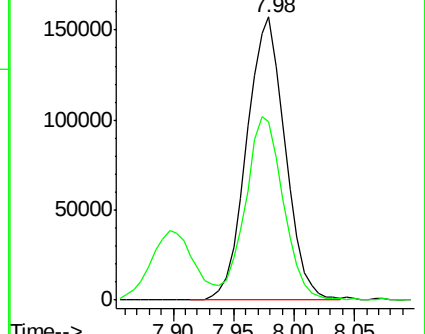
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.677 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066610.D

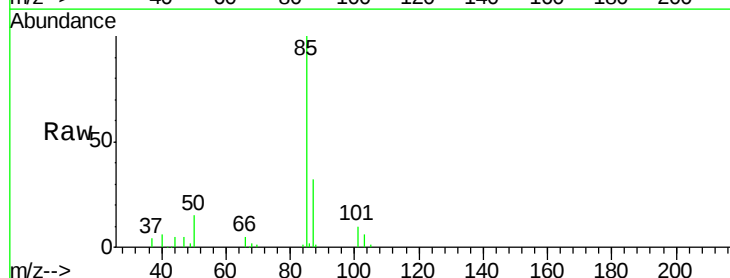
Acq: 10 Sep 2020 12:31

Tgt Ion: 85 Resp: 71533

Ion Ratio Lower Upper

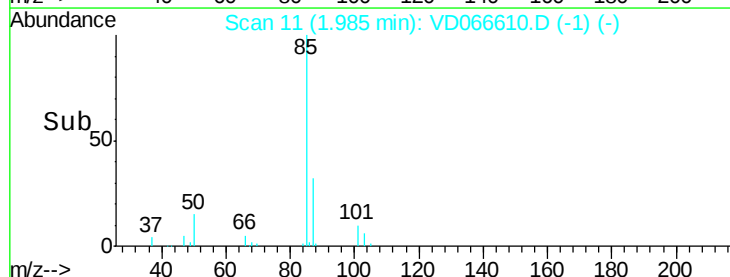
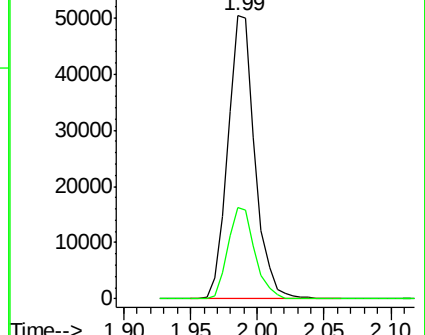
85 100

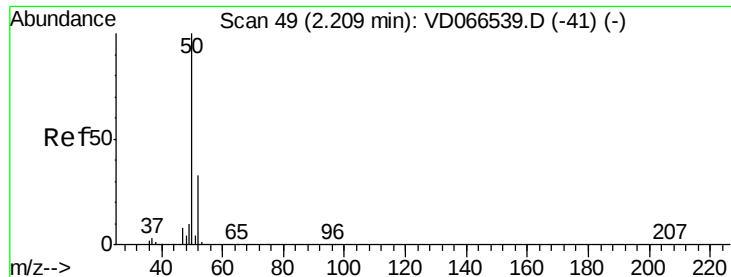
87 32.3 14.2 42.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.224 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 50 Resp: 93636

Ion Ratio Lower Upper

50 100

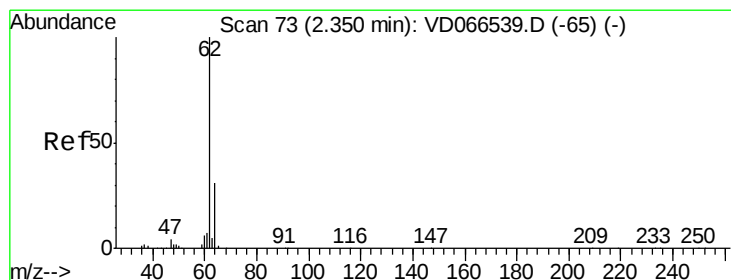
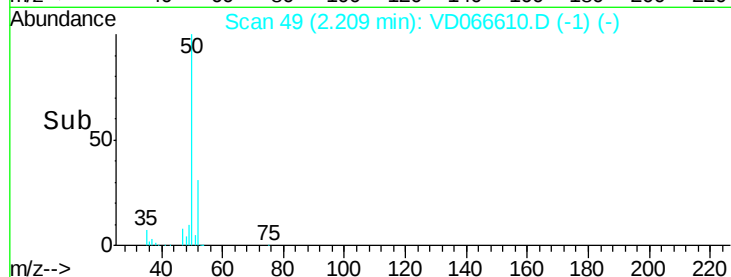
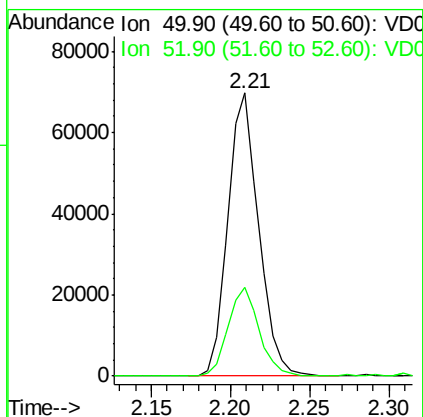
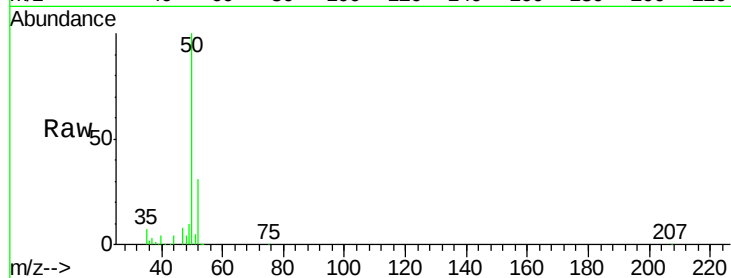
52 31.3 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.891 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066610.D

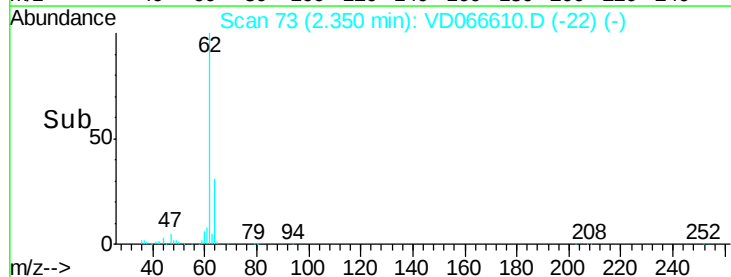
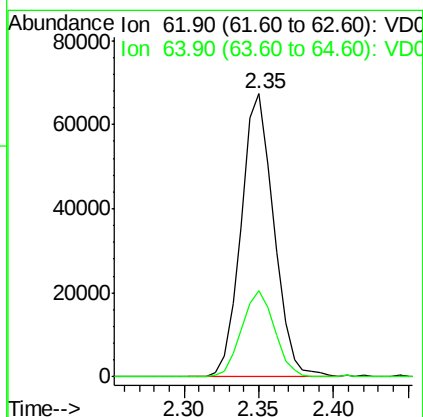
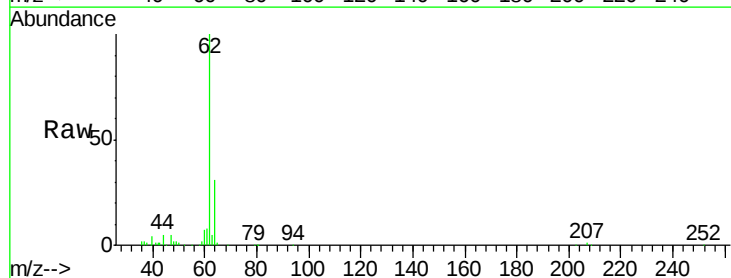
Acq: 10 Sep 2020 12:31

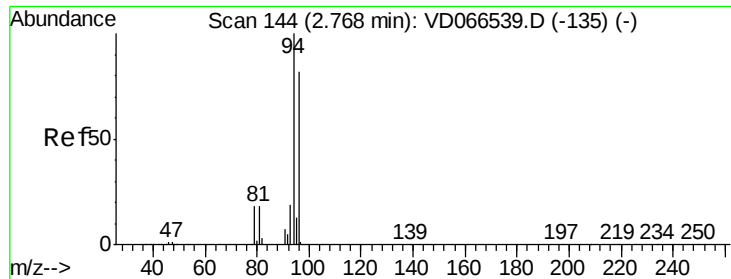
Tgt Ion: 62 Resp: 102223

Ion Ratio Lower Upper

62 100

64 30.6 25.3 37.9





#5

Bromomethane

Concen: 20.235 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 94 Resp: 70974

Ion Ratio Lower Upper

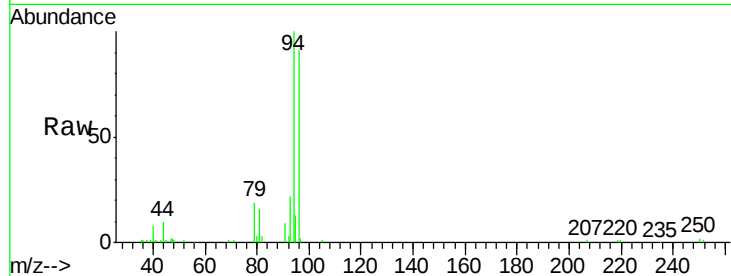
94 100

96 90.9 65.2 97.8

Manual Integrations
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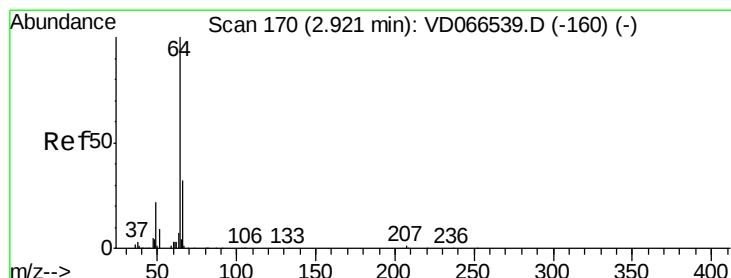
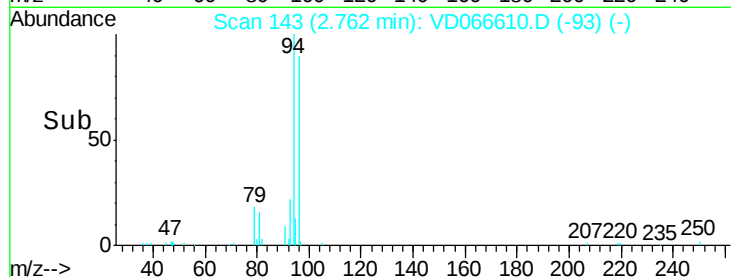
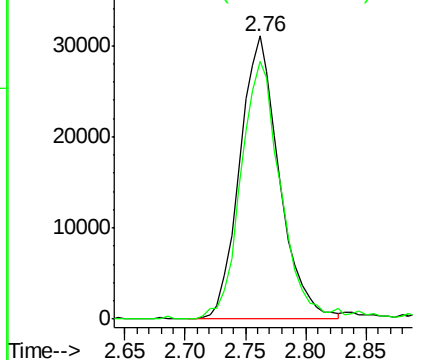
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.849 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD066610.D

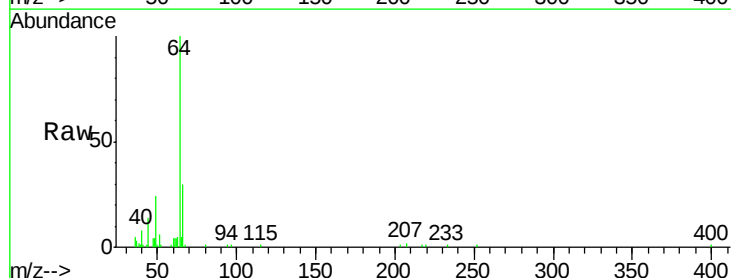
Acq: 10 Sep 2020 12:31

Tgt Ion: 64 Resp: 64797

Ion Ratio Lower Upper

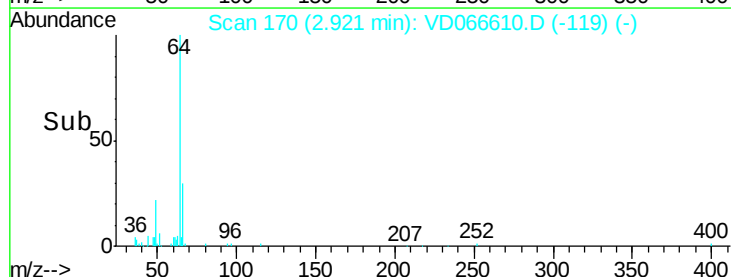
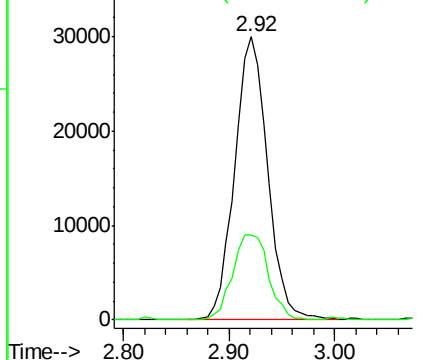
64 100

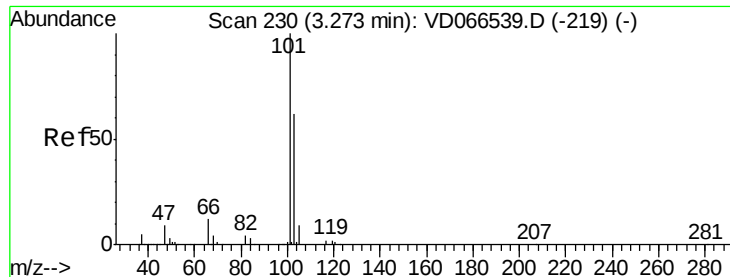
66 30.0 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

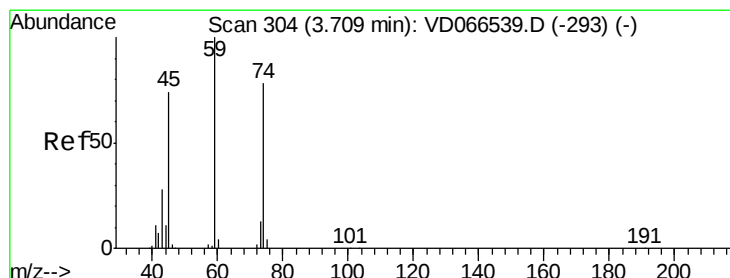
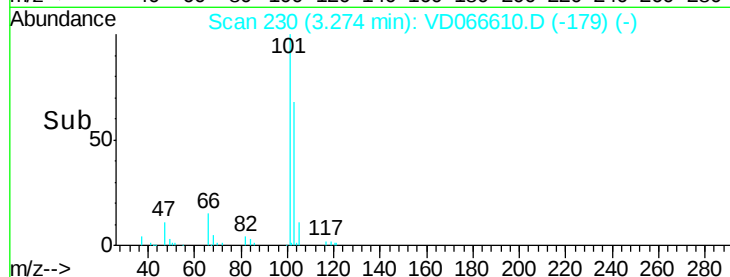
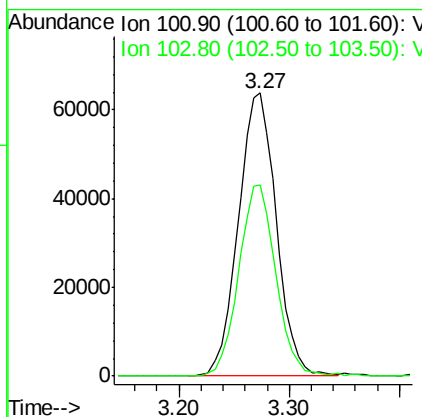
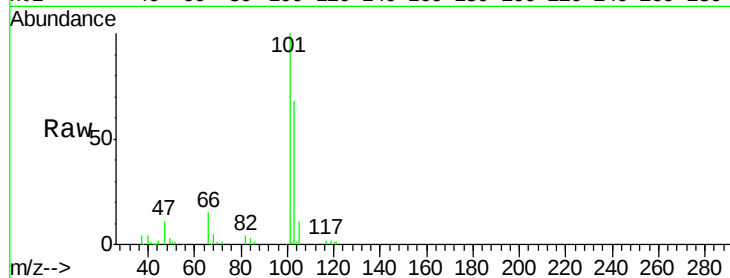
Trichlorofluoromethane
 Concen: 21.306 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
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 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	49.7	74.5

Manual Integrations
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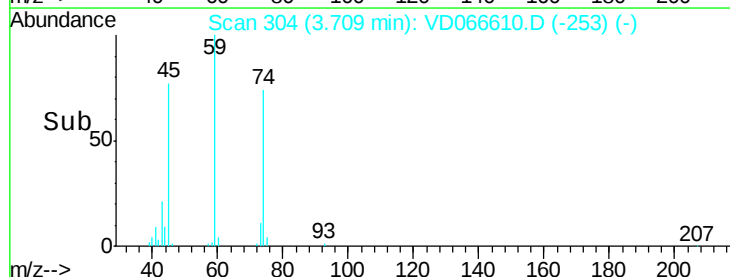
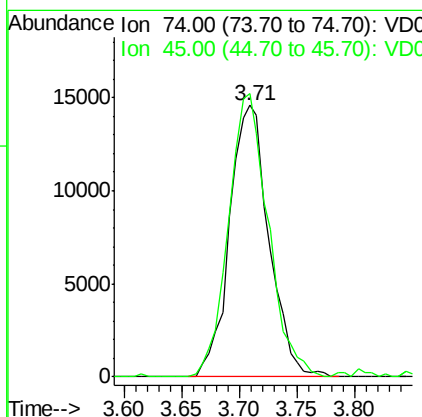
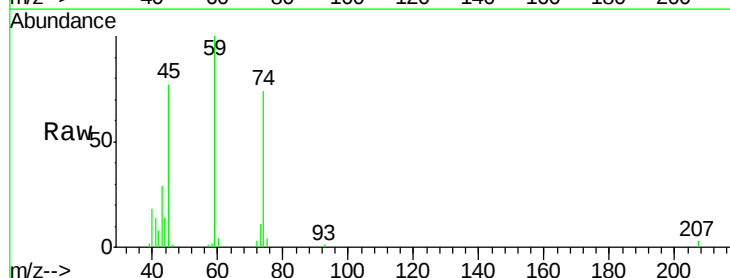
MMDadoda
 9/11/2020 10:17:55 AM

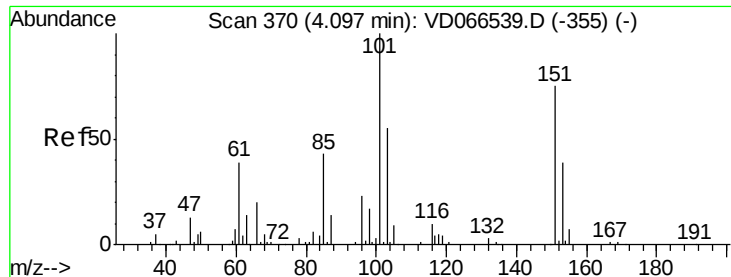


#8

Diethyl Ether
 Concen: 19.000 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.4	49.7	149.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.610 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

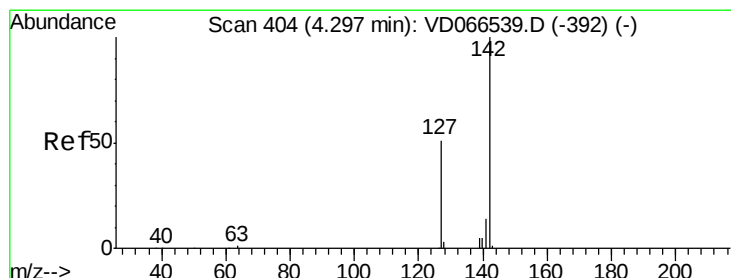
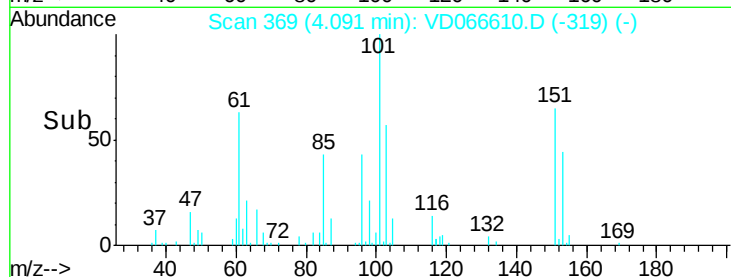
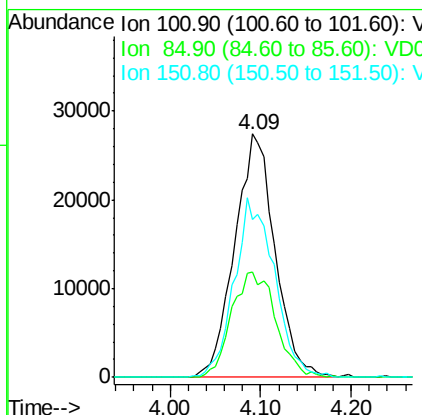
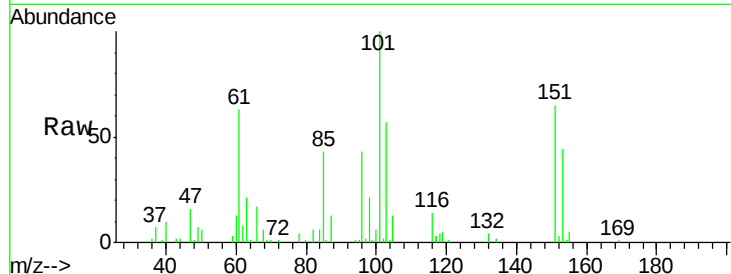
ClientSampleId :

VD0910SBS01

Tot Ion:	101	Resp:	84540
Ion Ratio	Lower	Upper	
101	100		
85	47.3	37.0	55.6
151	73.5	59.4	89.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.336 ug/l

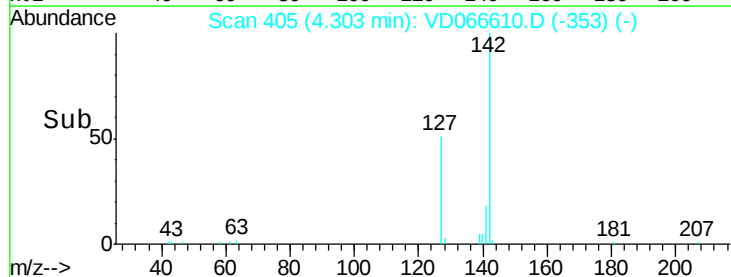
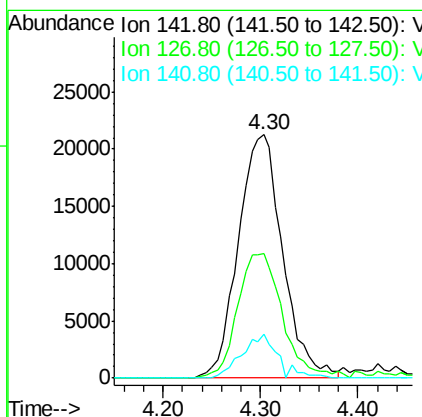
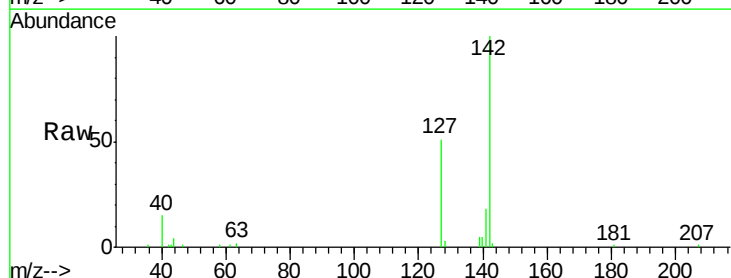
RT: 4.30 min Scan# 405

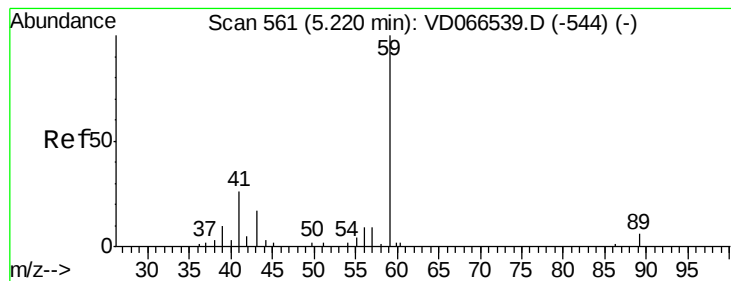
Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Tgt Ion:	142	Resp:	67186
Ion Ratio	Lower	Upper	
142	100		
127	52.0	40.6	61.0
141	14.8	12.2	18.4





#11

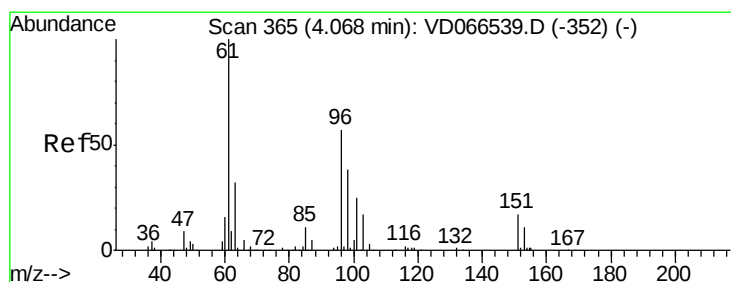
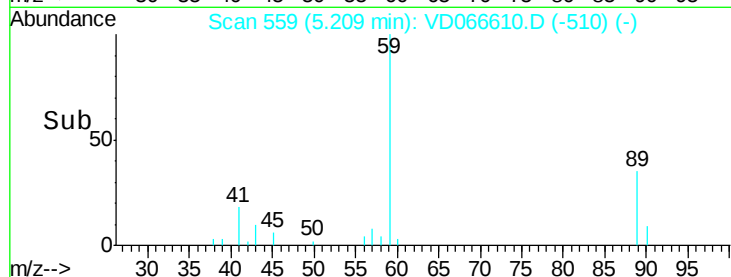
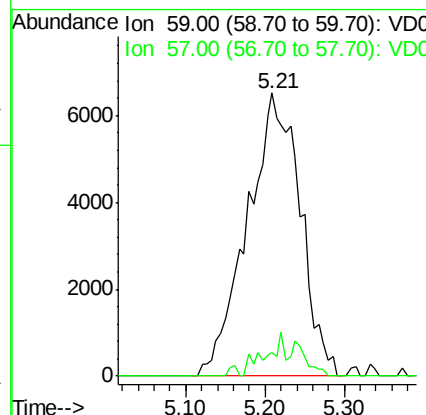
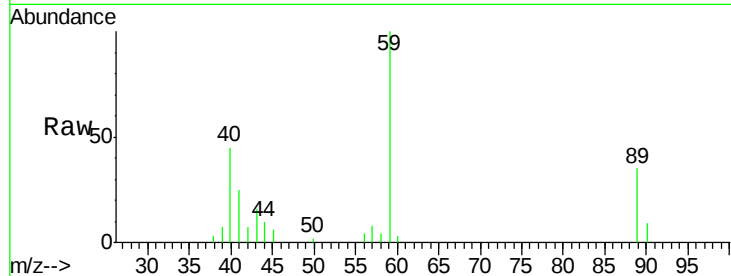
Tert butyl alcohol
 Concen: 84.136 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	7.6	11.4#

Manual Integrations
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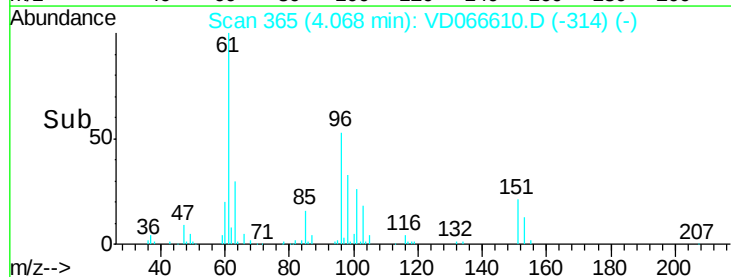
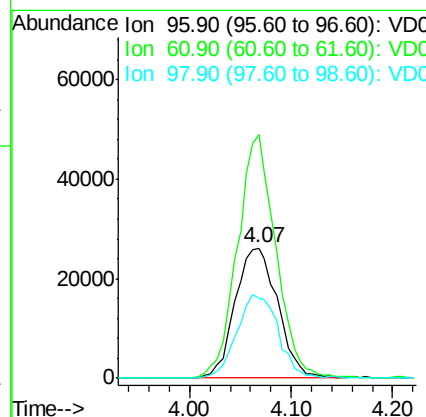
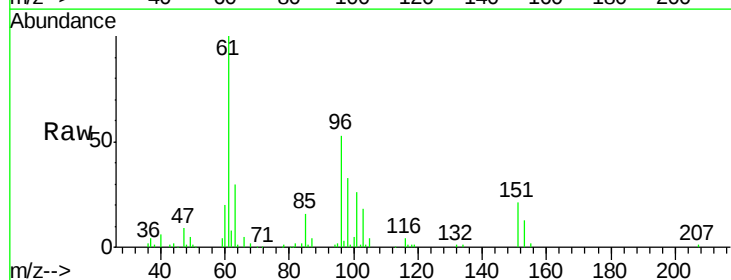
MMDadoda
 9/11/2020 10:17:55 AM

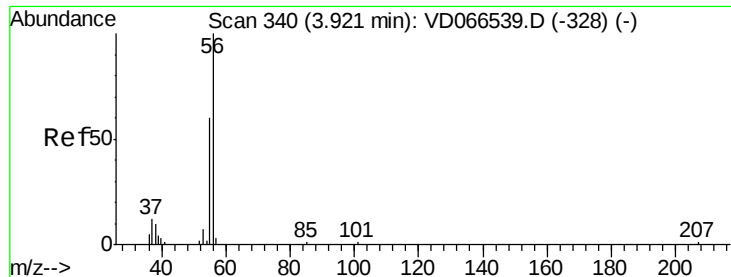


#12

1,1-Dichloroethene
 Concen: 21.614 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.1	140.9	211.3
98	61.6	53.2	79.8





#13

Acrolein

Concen: 86.574 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 56 Resp: 14941

Ion Ratio Lower Upper

56 100

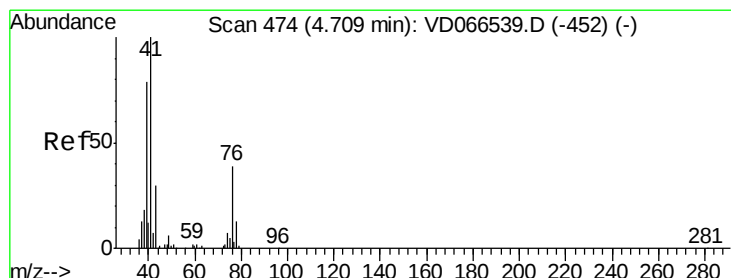
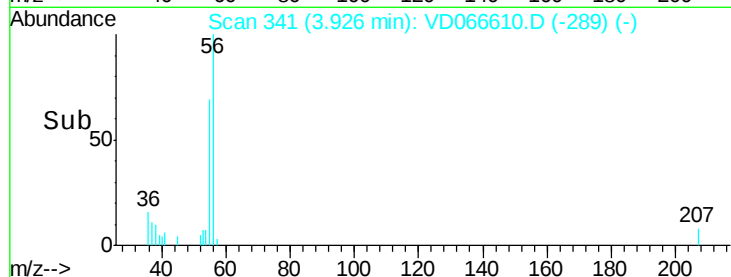
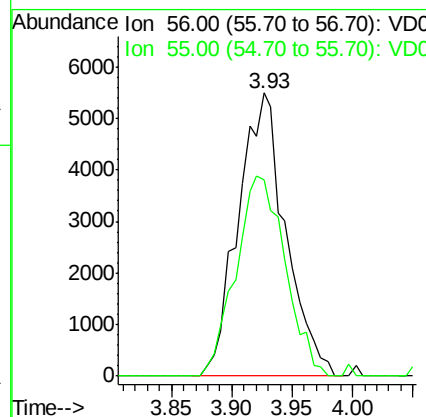
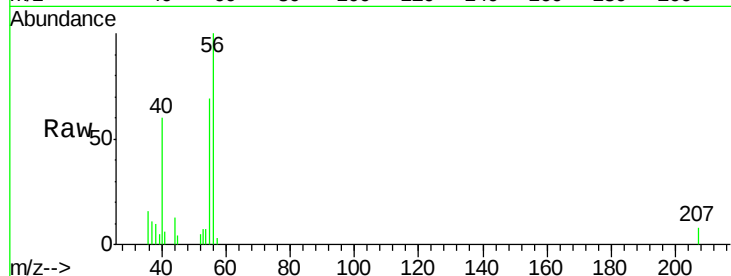
55 73.5 53.6 80.4

Manual Integrations

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#14

Allyl chloride

Concen: 21.221 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

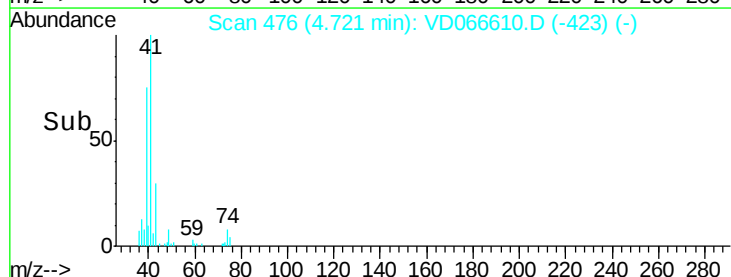
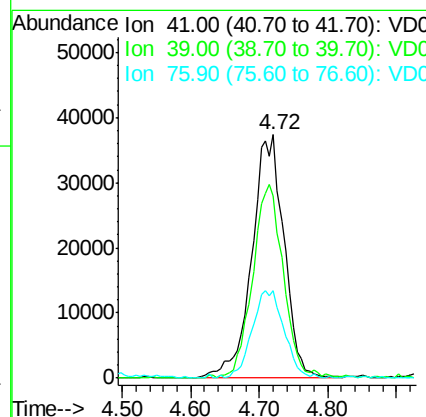
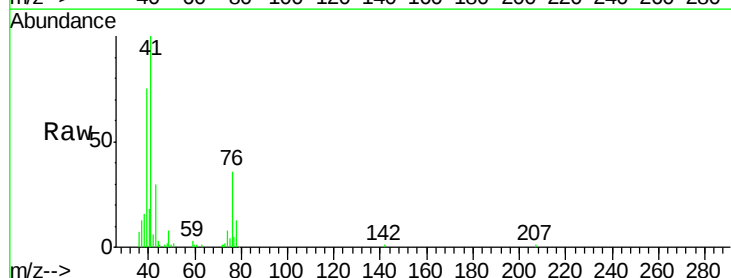
Tgt Ion: 41 Resp: 122238

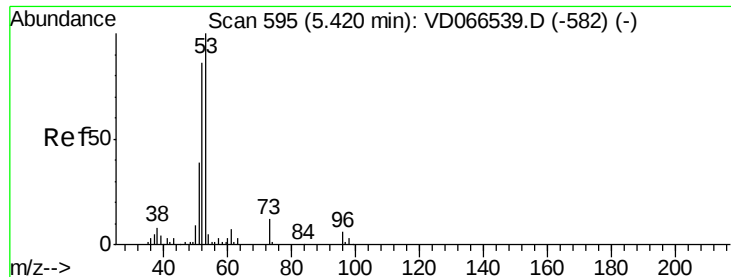
Ion Ratio Lower Upper

41 100

39 76.5 61.9 92.9

76 35.9 29.0 43.6





#15

Acrylonitrile

Concen: 100.403 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

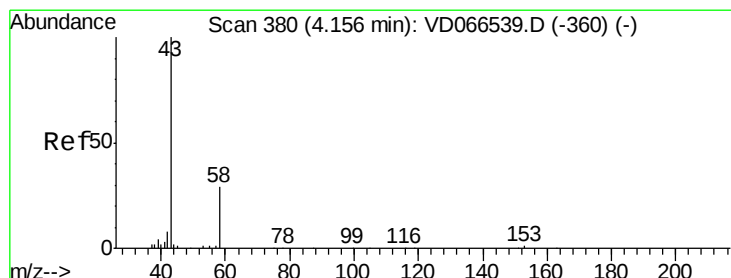
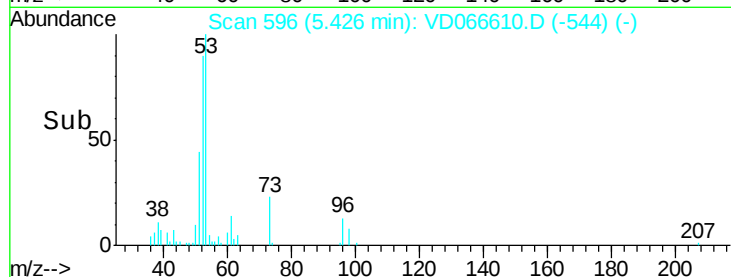
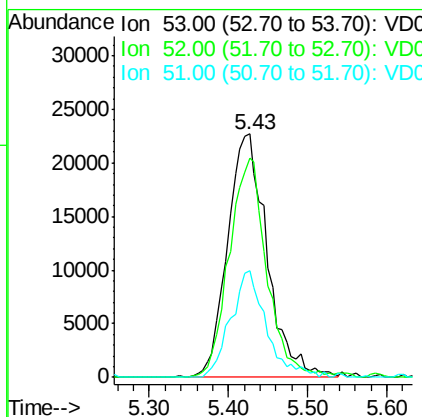
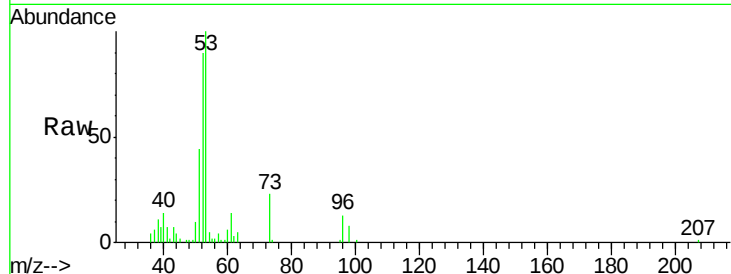
ClientSampleId :

VD0910SBS01

Tot Ion:	53	Resp:	78508
Ion Ratio	Lower	Upper	
53	100		
52	85.6	65.4	98.2
51	39.4	31.2	46.8

Manual Integrations
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#16

Acetone

Concen: 99.834 ug/l

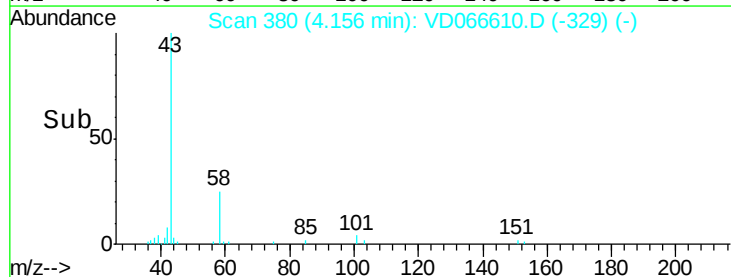
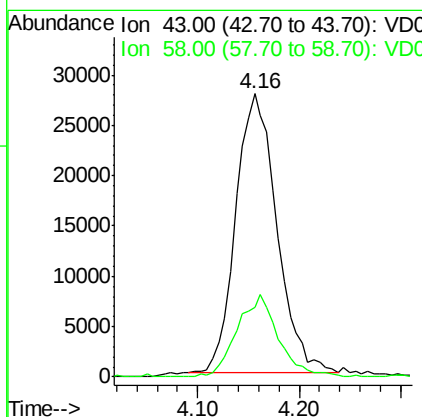
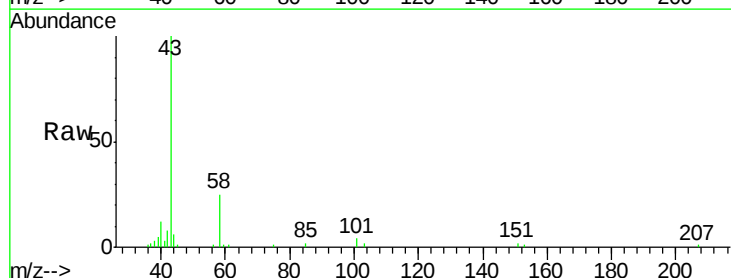
RT: 4.16 min Scan# 380

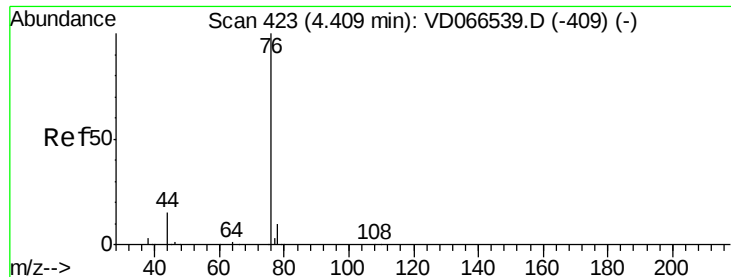
Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Tgt Ion:	43	Resp:	77532
Ion Ratio	Lower	Upper	
43	100		
58	25.0	22.9	34.3





#17

Carbon Disulfide

Concen: 21.080 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 76 Resp: 243569

Ion Ratio Lower Upper

76 100

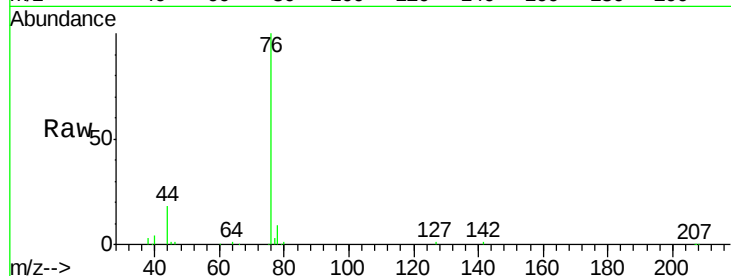
78 9.2 7.6 11.4

Manual Integrations

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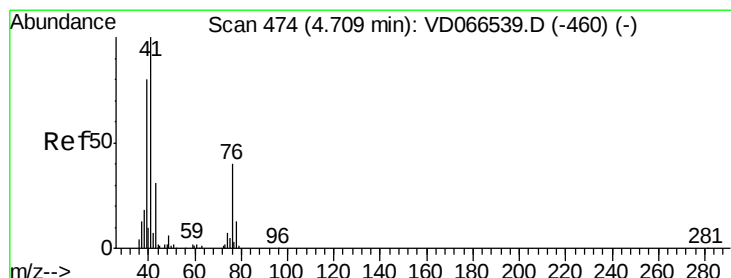
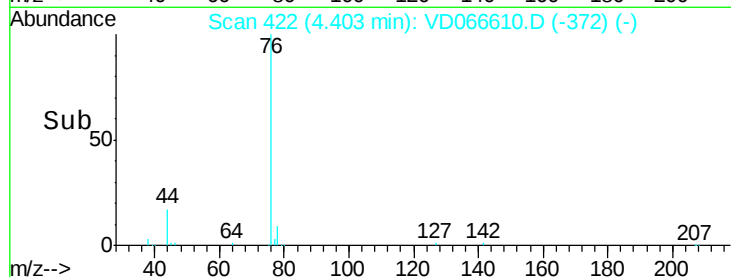
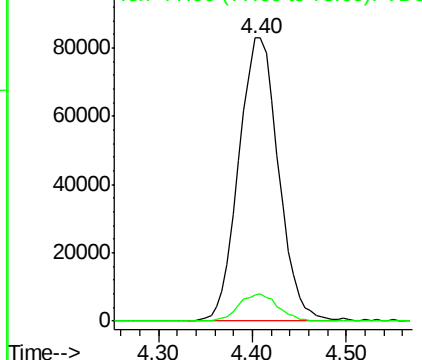
MMDadoda

9/11/2020 10:17:55 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 20.084 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066610.D

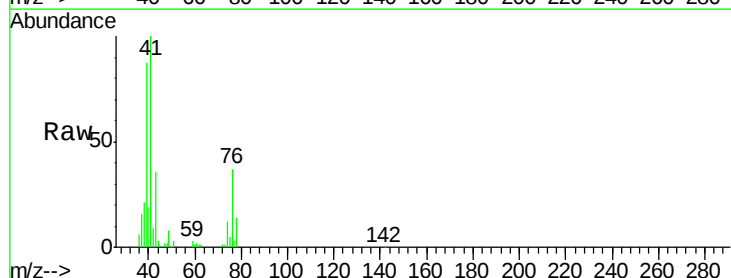
Acq: 10 Sep 2020 12:31

Tgt Ion: 43 Resp: 37181

Ion Ratio Lower Upper

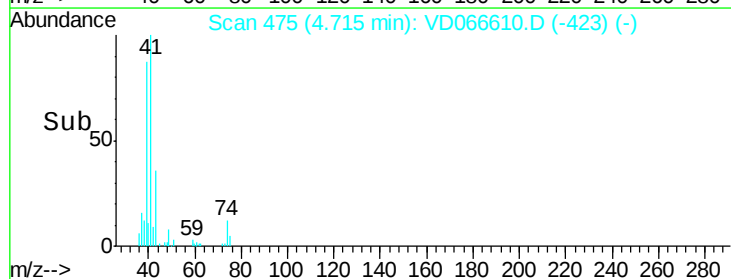
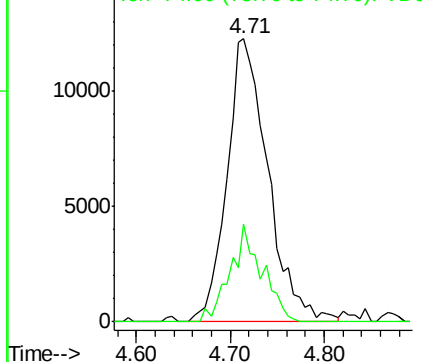
43 100

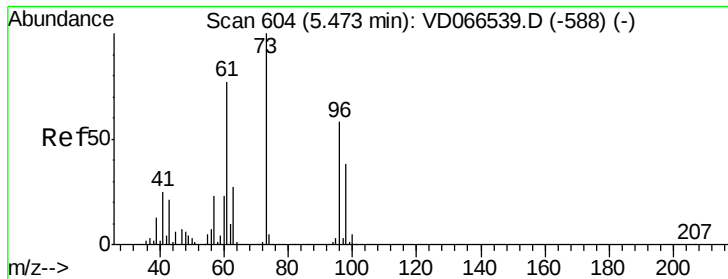
74 26.6 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





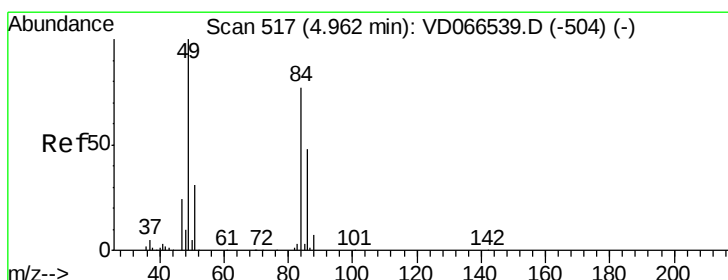
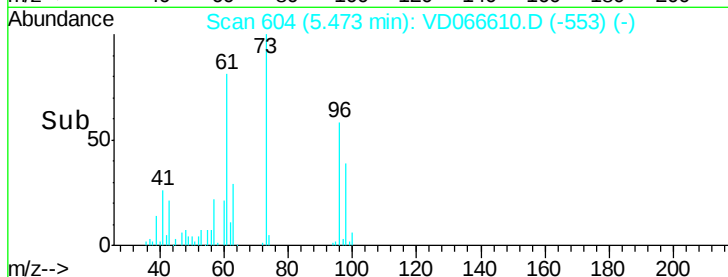
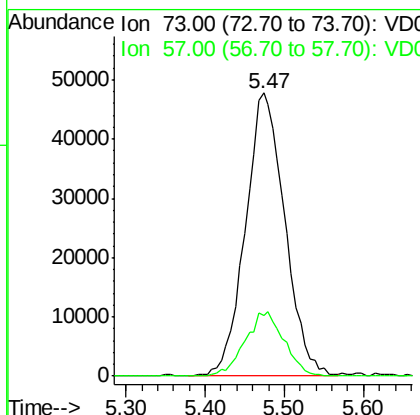
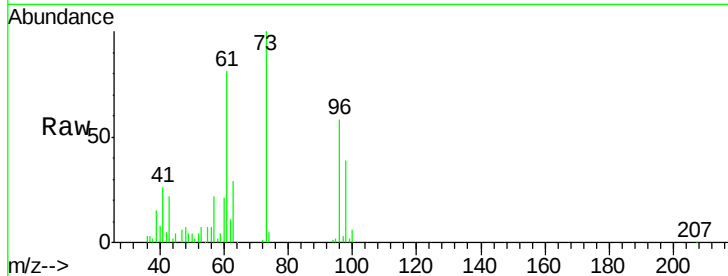
#19
Methvl tert-butvl Ether
Concen: 20.042 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 73 Resp: 165190
Ion Ratio Lower Upper
73 100
57 21.5 18.3 27.5

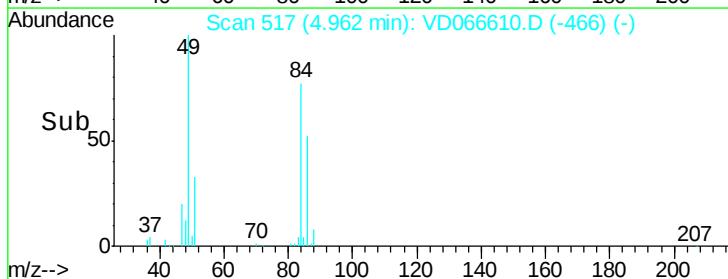
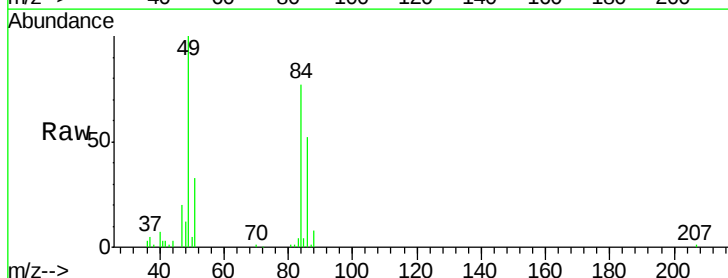
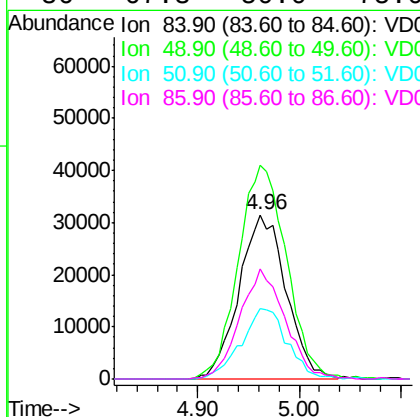
Manual Integrations
APPROVED

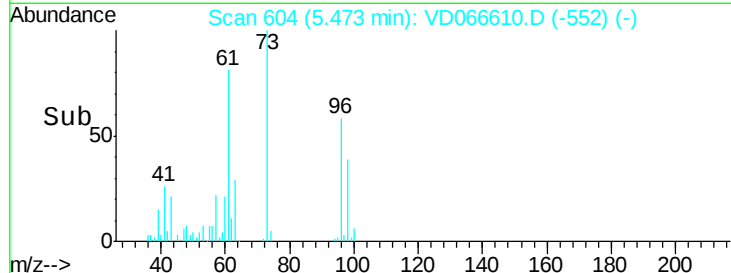
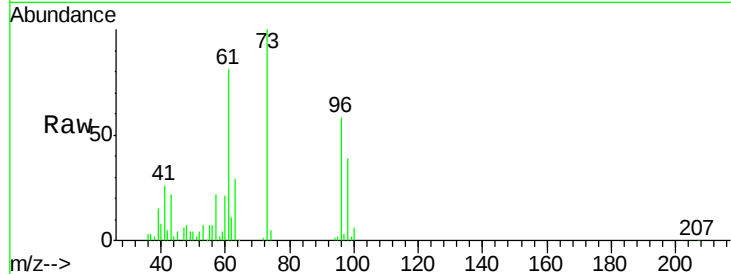
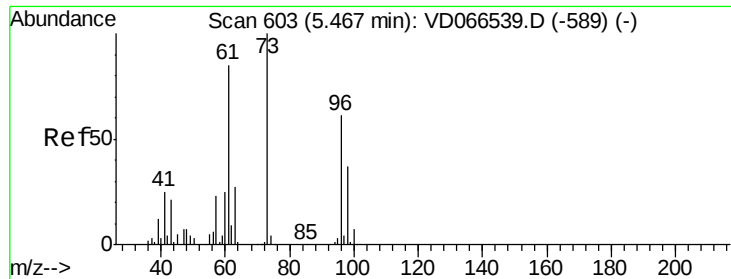
MMDadoda
9/11/2020 10:17:55 AM



#20
Methylene Chloride
Concen: 20.096 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion: 84 Resp: 101806
Ion Ratio Lower Upper
84 100
49 130.2 104.3 156.5
51 43.3 32.2 48.4
86 67.3 50.0 75.0





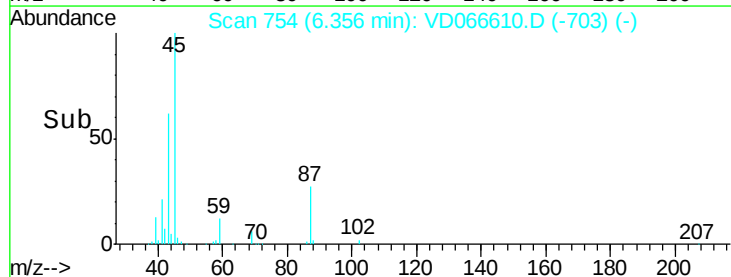
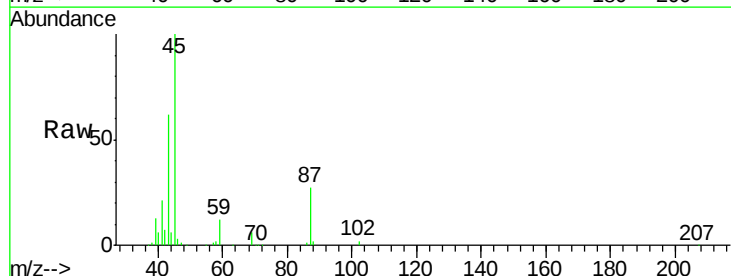
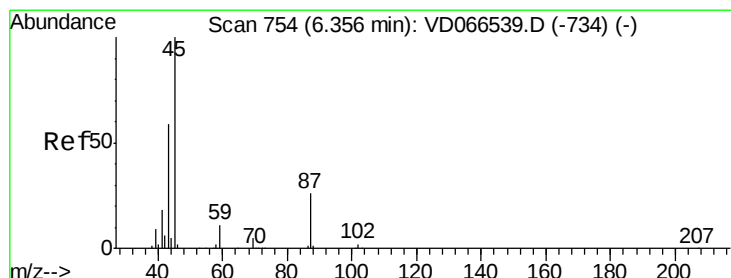
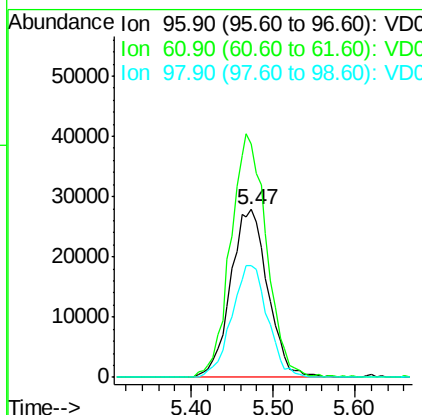
#21
trans-1,2-Dichloroethene
Concen: 21.161 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.3	112.1	168.1
98	66.4	48.6	72.8

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

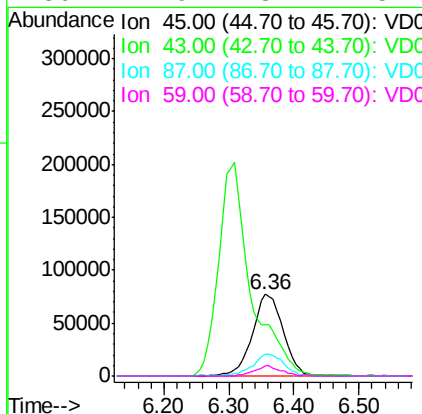
Manual Integrations
APPROVED

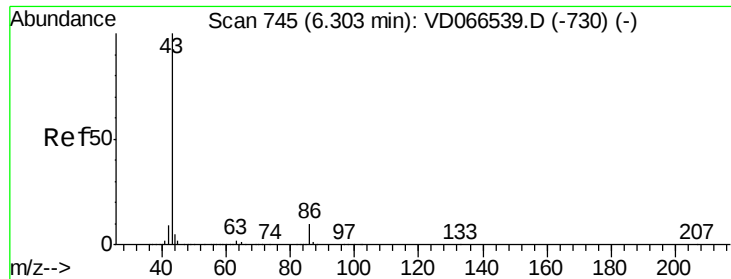
MMDadoda
9/11/2020 10:17:55 AM



#22
Diisopropyl ether
Concen: 21.491 ug/l
RT: 6.36 min Scan# 754
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.8	47.0	70.4
87	26.7	21.3	31.9
59	11.9	8.7	13.1





#23

Vinyl Acetate

Concen: 103.130 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 43 Resp: 695182

Ion Ratio Lower Upper

43 100

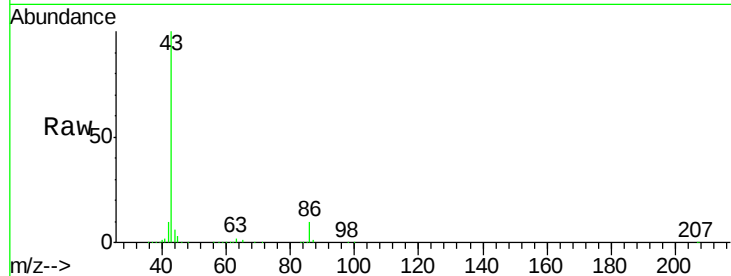
86 9.6 7.7 11.5

Manual Integrations

APPROVED

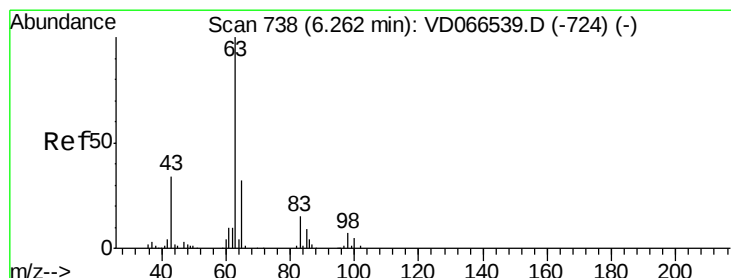
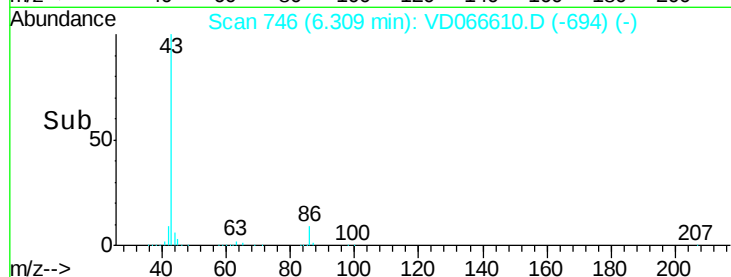
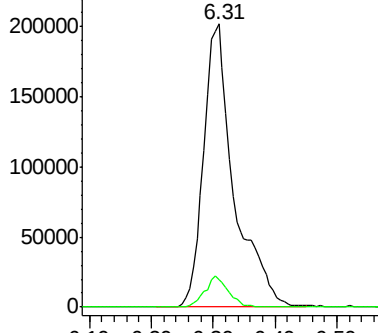
MMDadoda

9/11/2020 10:17:55 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.140 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

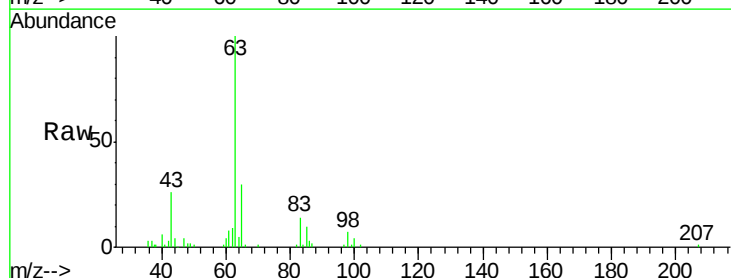
Tgt Ion: 63 Resp: 157475

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

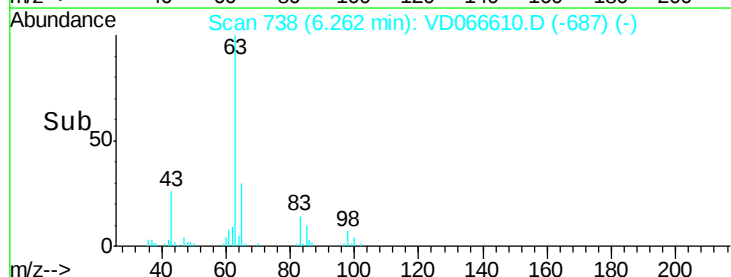
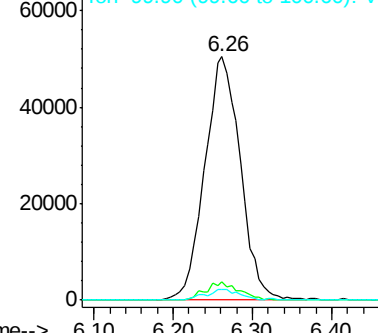
100 4.5 2.5 7.4

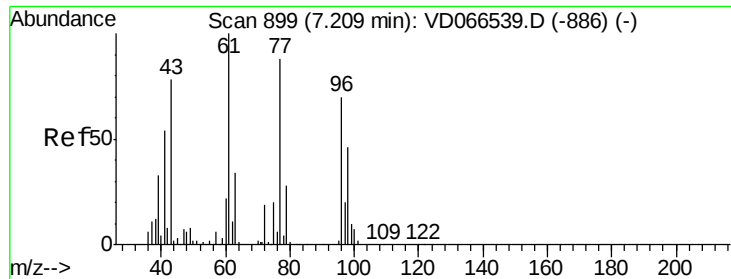


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





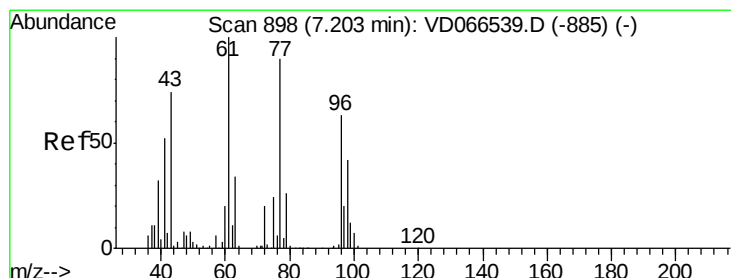
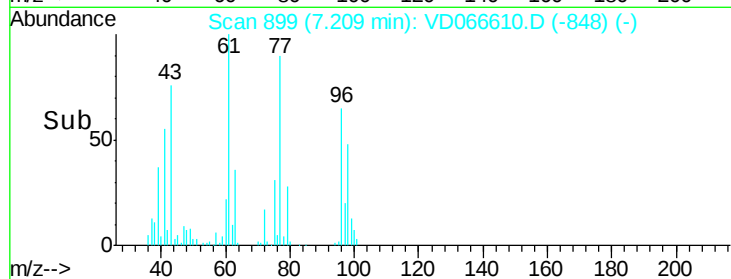
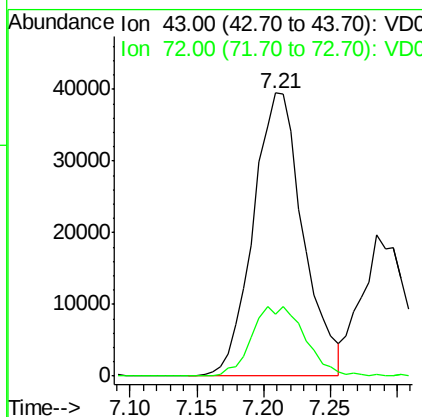
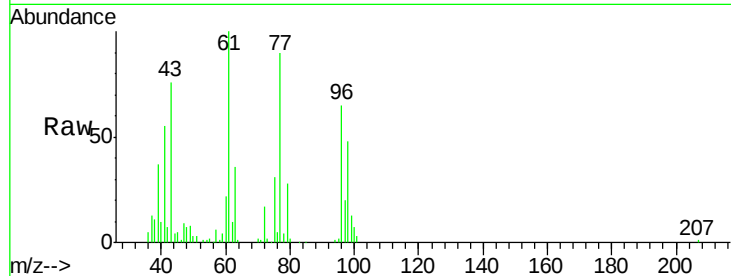
#25
 2-Butanone
 Concen: 98.568 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	43	Resp	102759
Ion Ratio	43	100	
Lower	72	21.9	19.8
Upper			29.6

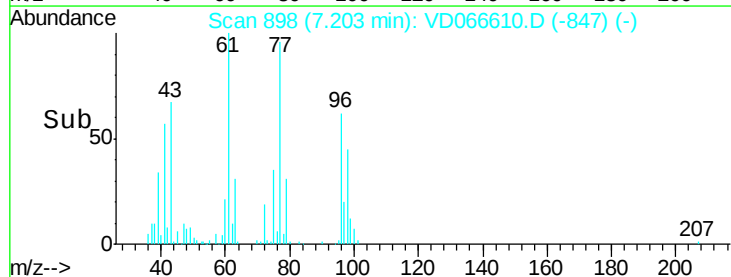
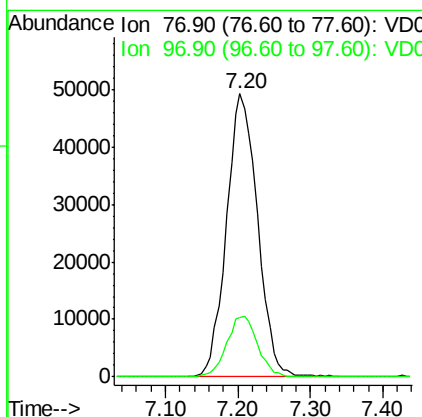
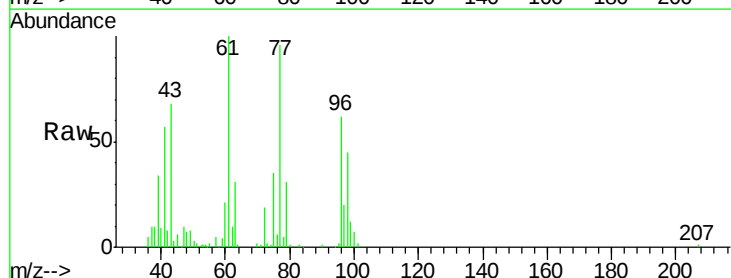
Manual Integrations
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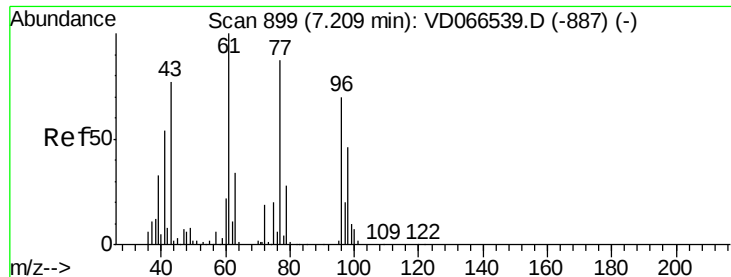
MMDadoda
 9/11/2020 10:17:55 AM



#26
 2,2-Dichloropropane
 Concen: 21.396 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion	77	Resp	146197
Ion Ratio	77	100	
Lower	97	21.2	10.8
Upper			32.3





#27

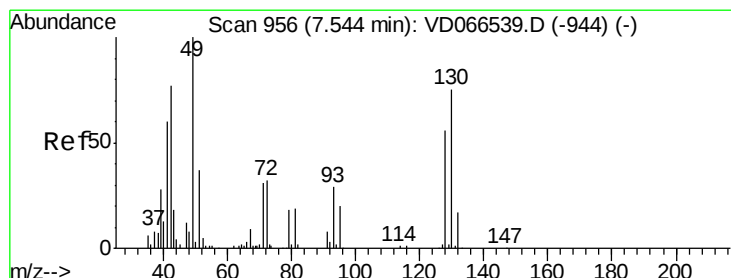
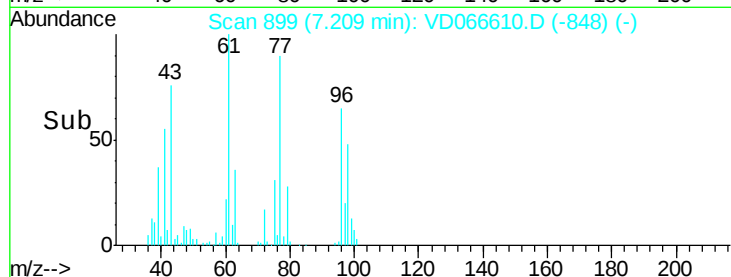
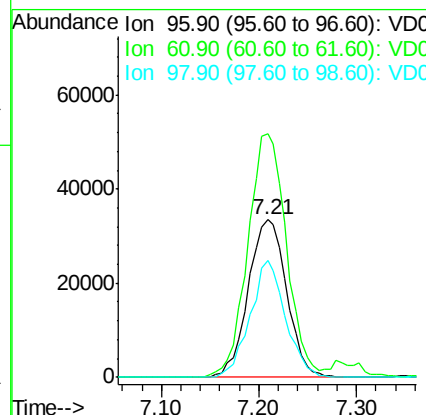
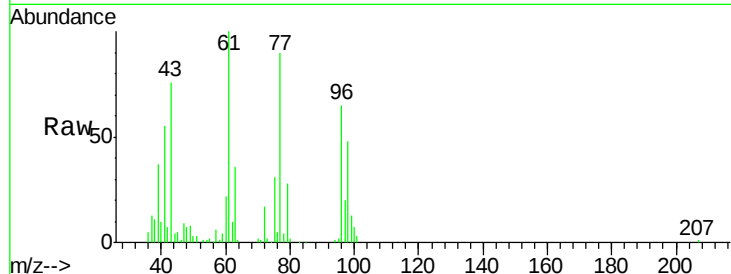
cis-1,2-Dichloroethene
Concen: 20.496 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.6	0.0	301.0
98	68.0	0.0	129.8

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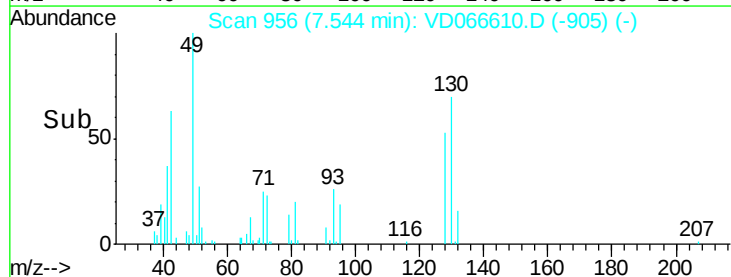
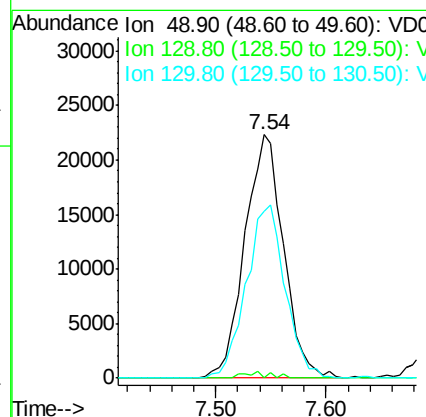
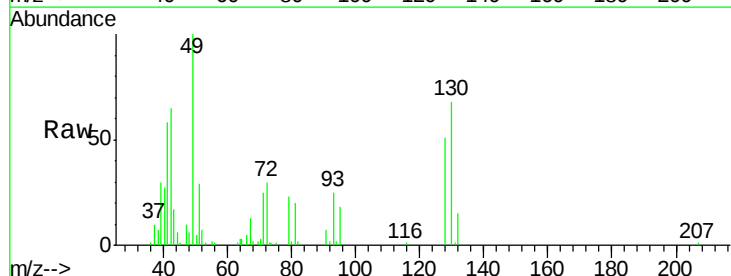
MMDadoda
9/11/2020 10:17:55 AM

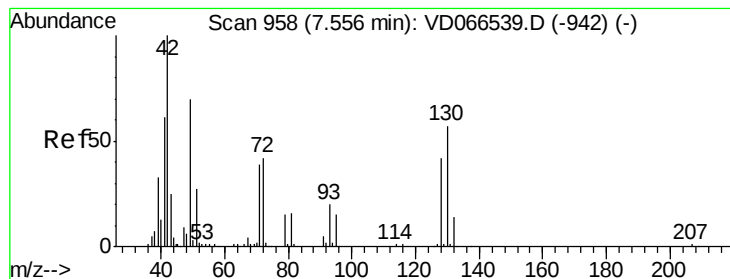


#28

Bromochloromethane
Concen: 19.123 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.6
130	71.5	58.2	87.2





#29

Tetrahydrofuran

Concen: 100.836 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

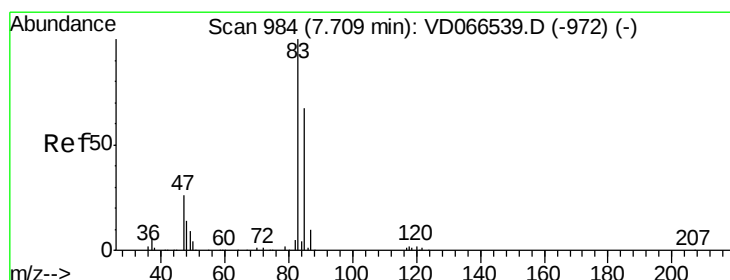
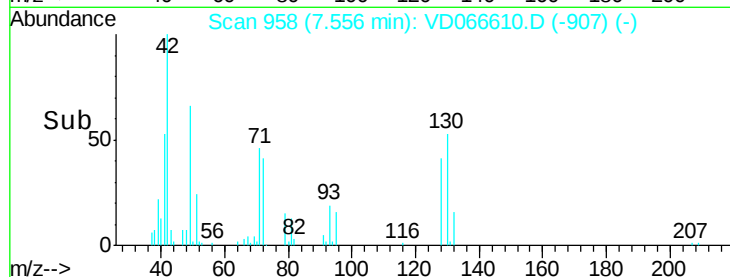
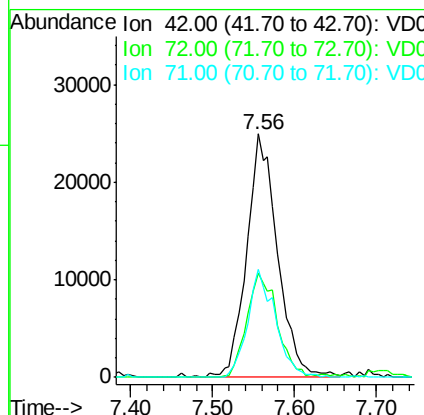
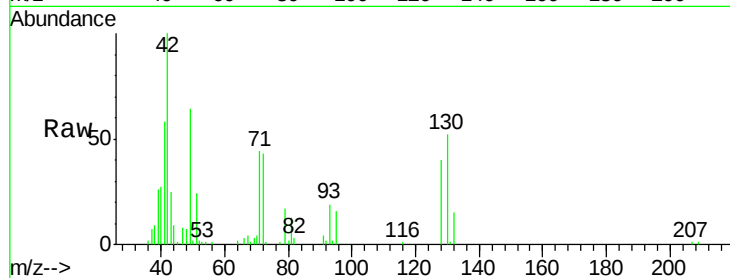
ClientSampleId :

VD0910SBS01

Tot Ion:	42	Resp:	65470
Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.4	50.0
71	39.8	31.9	47.9

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#30

Chloroform

Concen: 20.957 ug/l

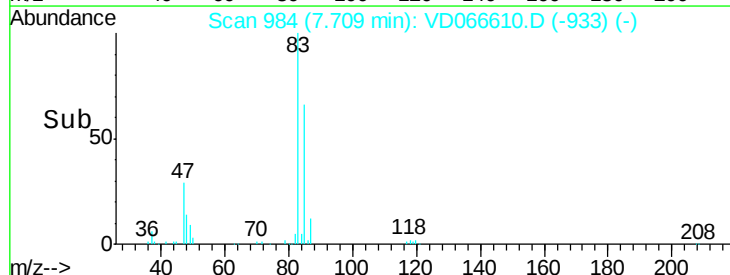
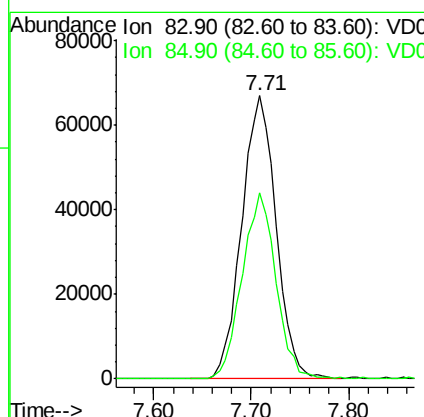
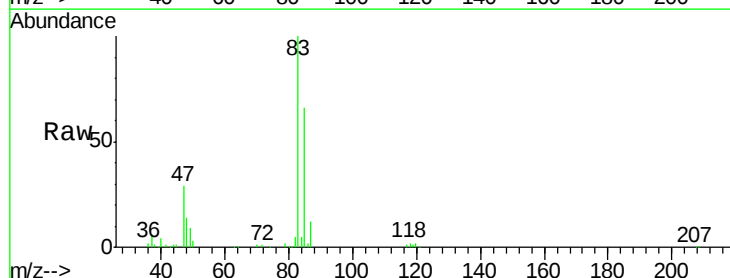
RT: 7.71 min Scan# 984

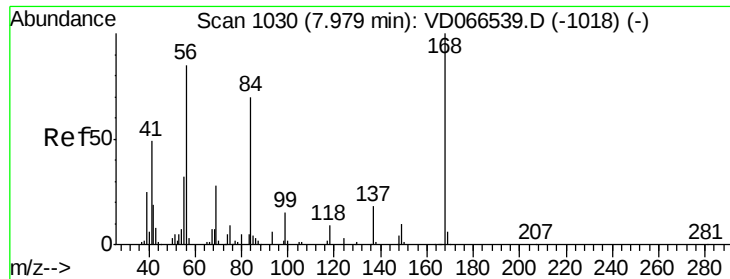
Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Tgt Ion:	83	Resp:	165157
Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.6	80.4





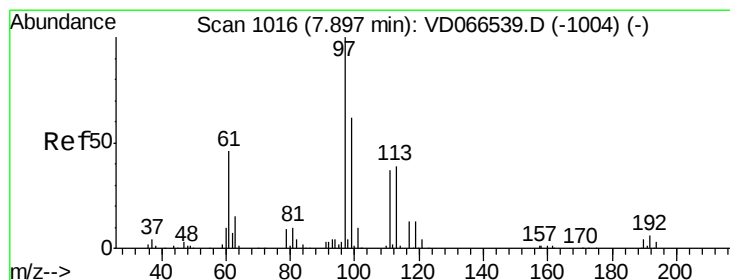
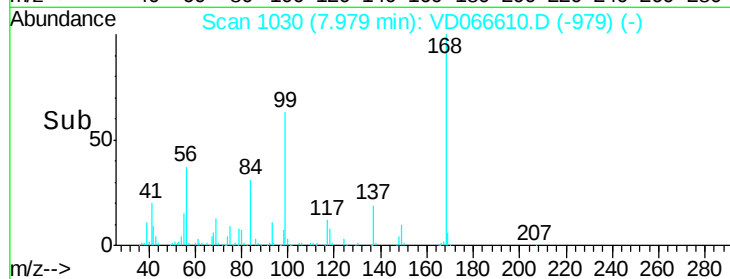
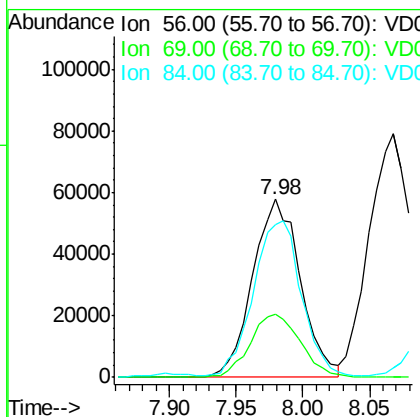
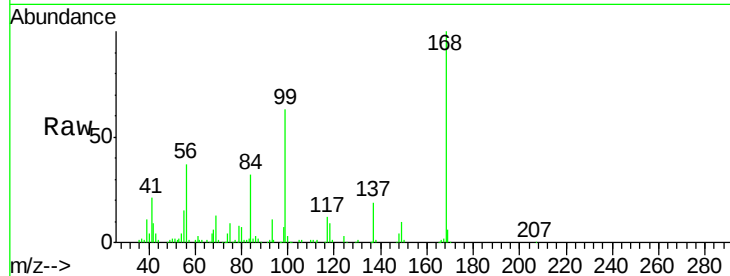
#31
Cyclohexane
Concen: 20.824 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	26.3	39.5
84	84.6	66.1	99.1

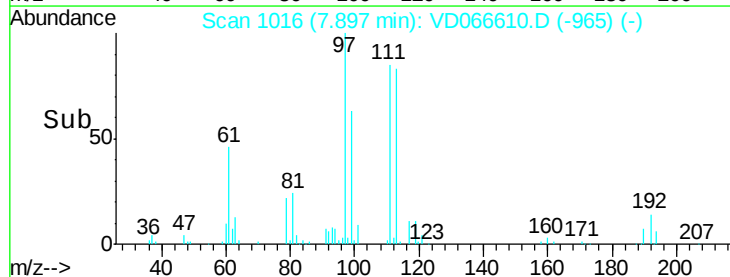
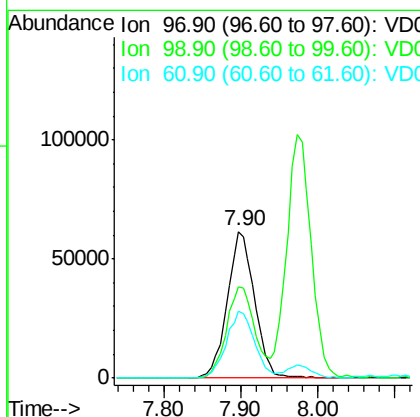
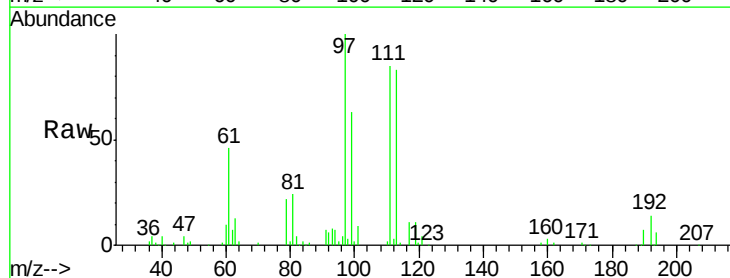
Manual Integrations
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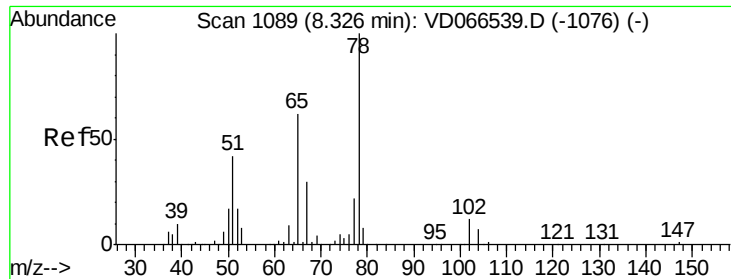
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9/11/2020 10:17:55 AM



#32
1,1,1-Trichloroethane
Concen: 20.548 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.0
61	46.7	37.4	56.0





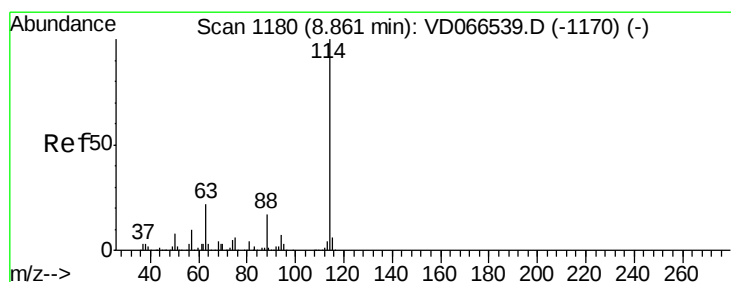
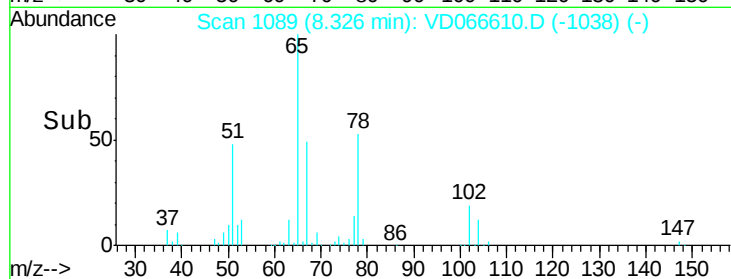
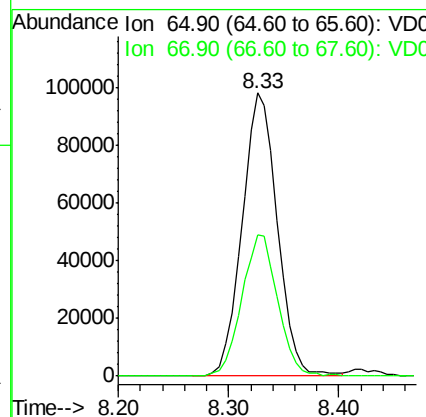
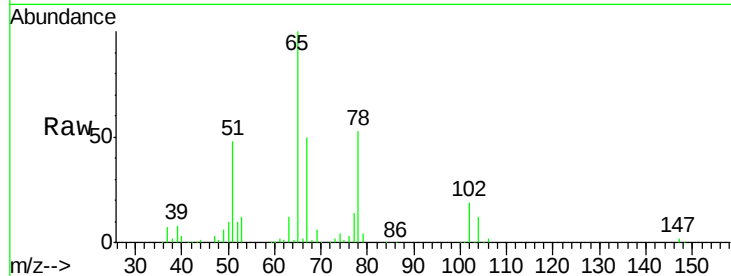
#33
 1,2-Dichloroethane-d4
 Concen: 52.075 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	219796		
67	50.9	0.0	102.8	

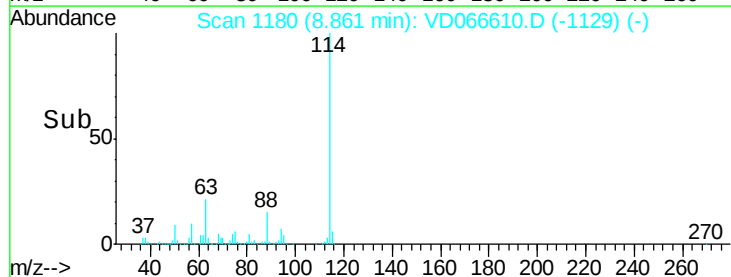
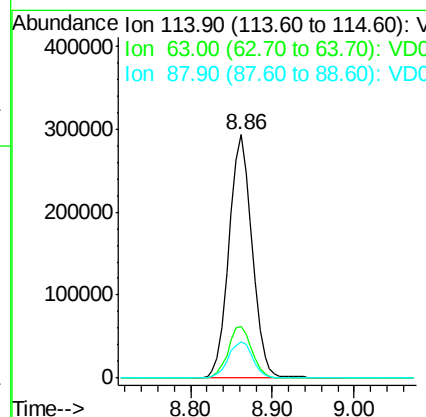
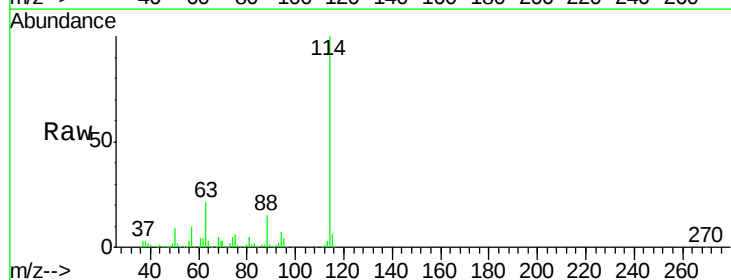
Manual Integrations
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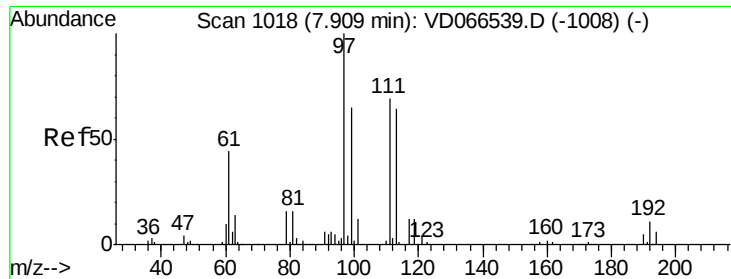
MMDadoda
 9/11/2020 10:17:55 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	580624		
63	21.1	0.0	43.2	
88	15.1	0.0	33.2	





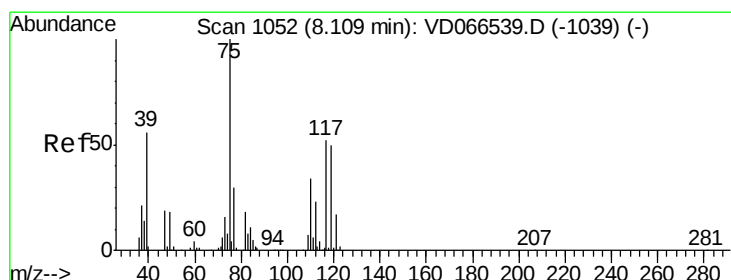
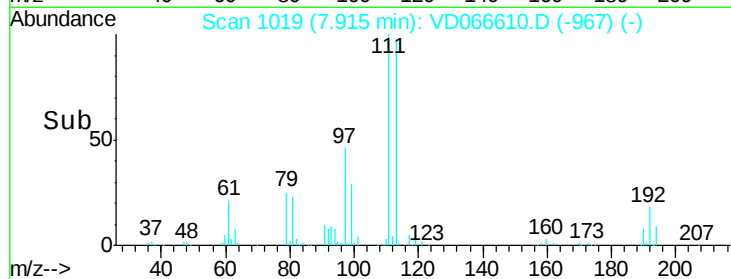
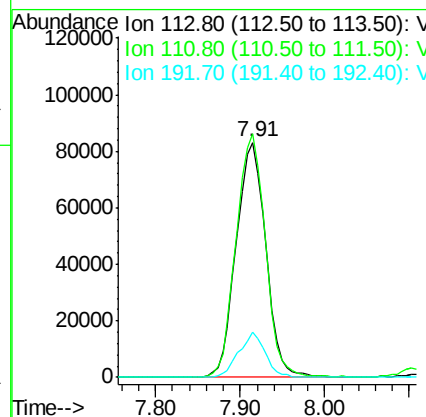
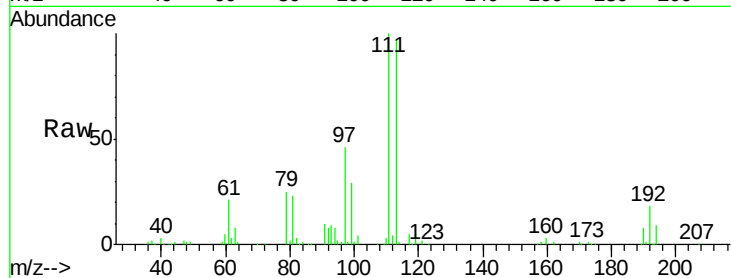
#35
Dibromofluoromethane
Concen: 51.429 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.01 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	201445		
111	102.0	83.2	124.8	
192	17.1	13.7	20.5	

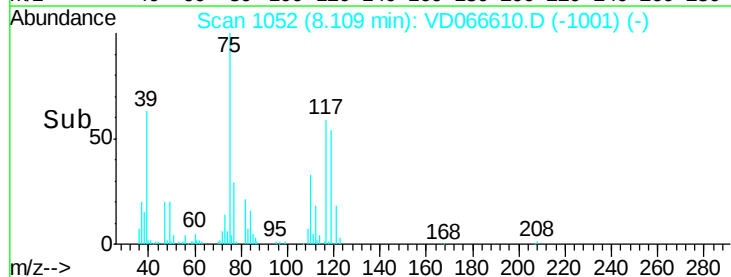
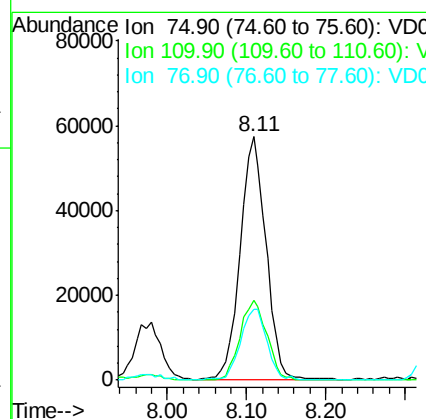
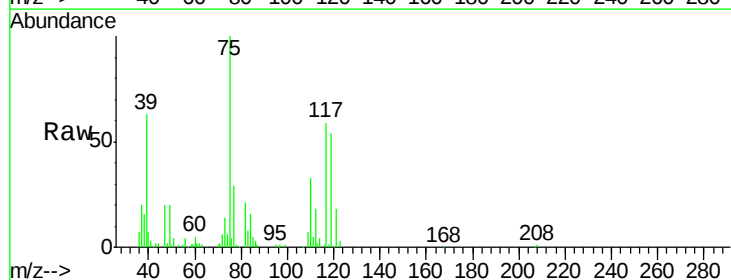
Manual Integrations
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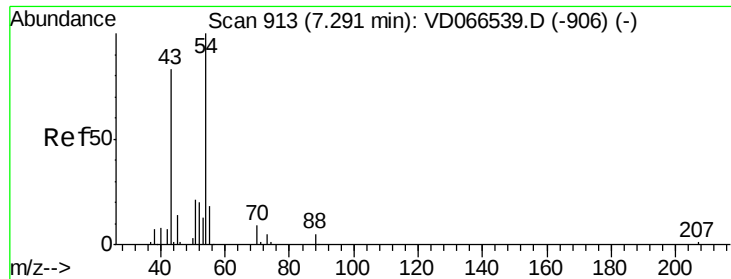
MMDadoda
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#36
1,1-Dichloropropene
Concen: 21.348 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128998		
110	34.2	17.3	52.0	
77	30.0	25.1	37.7	





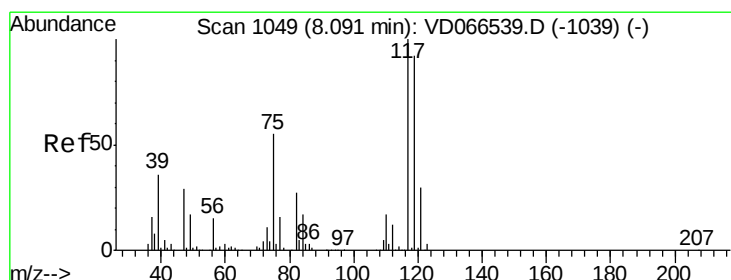
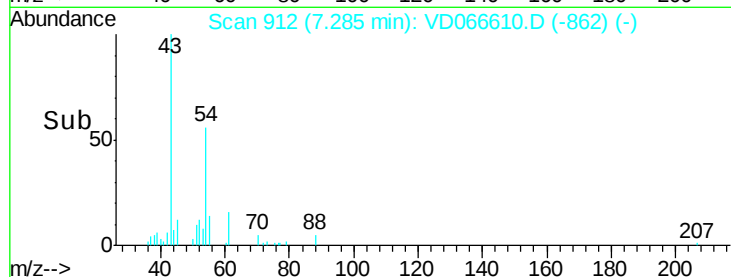
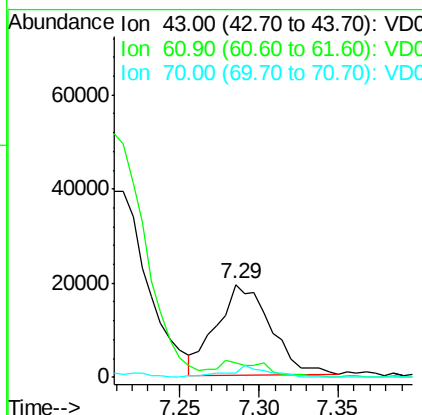
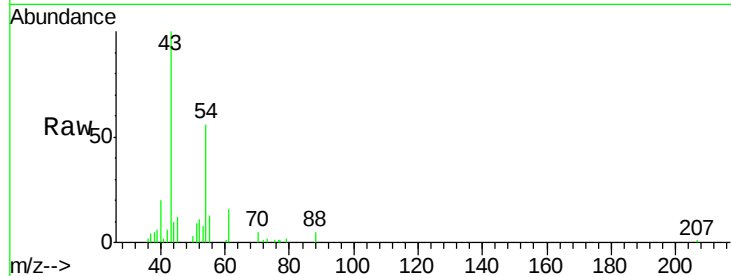
#37
Ethyl Acetate
Concen: 18.969 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.8	17.8
70	9.5	7.9	11.9

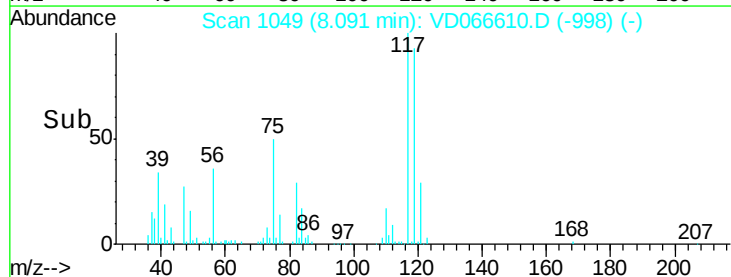
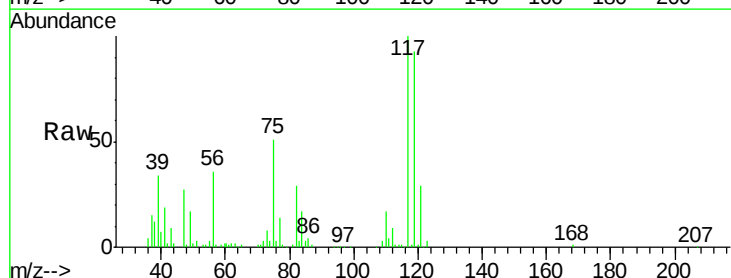
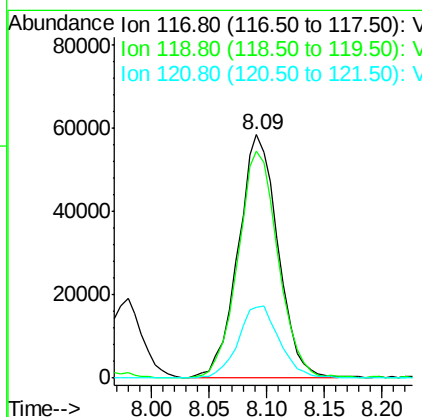
Manual Integrations
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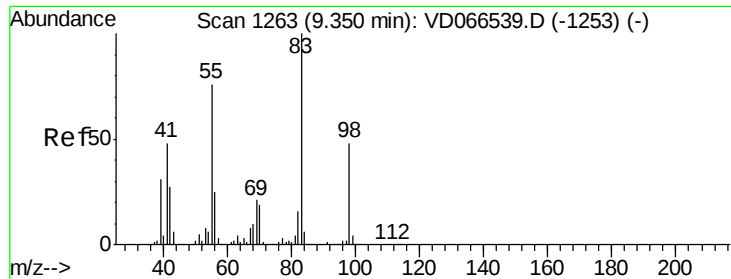
MMDadoda
9/11/2020 10:17:55 AM



#38
Carbon Tetrachloride
Concen: 21.902 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	73.9	110.9
121	29.3	24.1	36.1





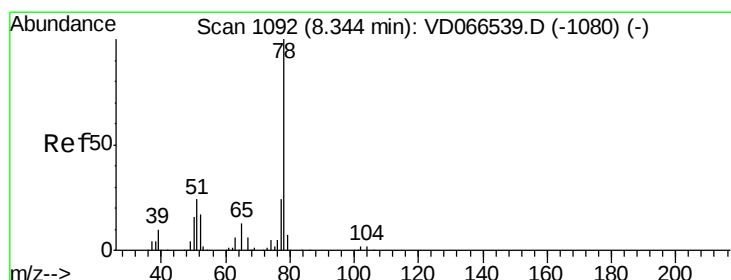
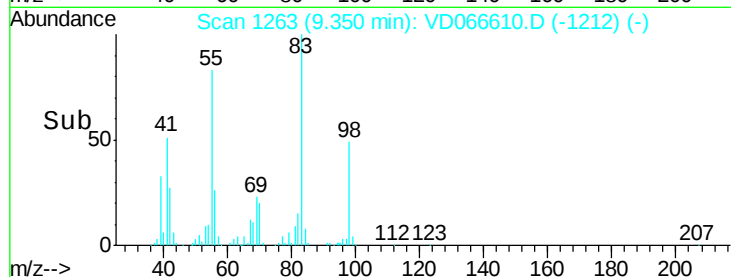
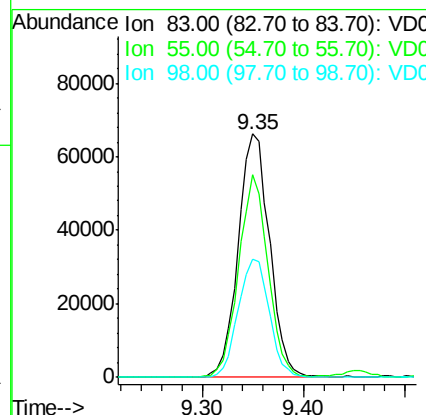
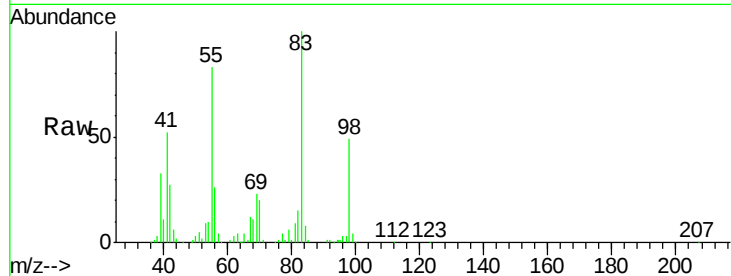
#39
Methvlcvclohexane
Concen: 21.168 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.5	60.8	91.2	
98	48.6	38.6	58.0	

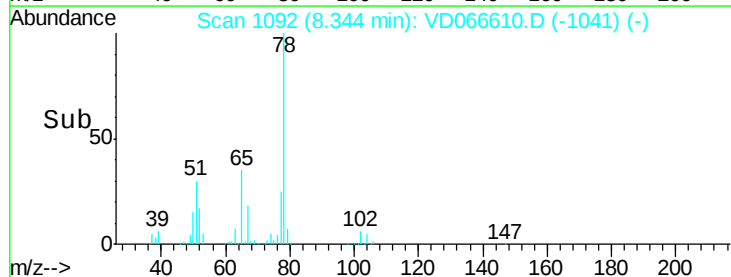
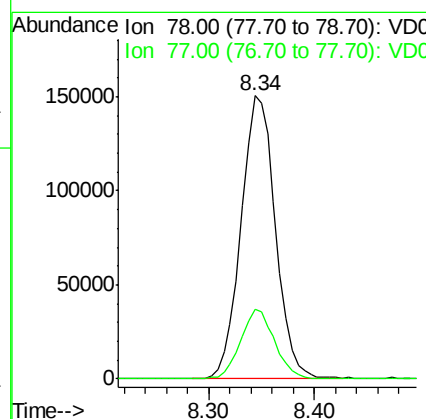
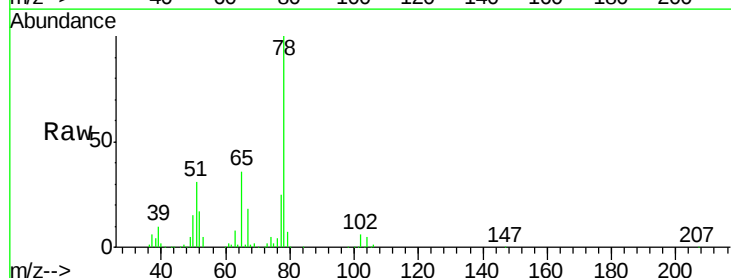
Manual Integrations
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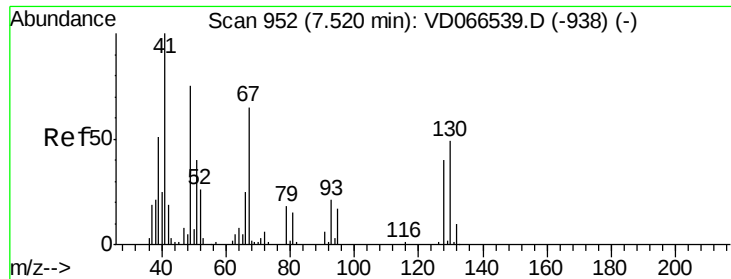
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#40
Benzene
Concen: 20.567 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.7	19.1	28.7	





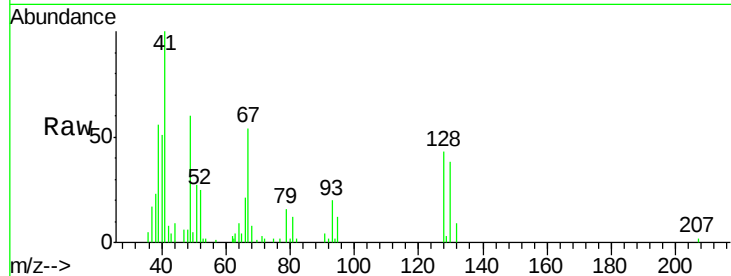
#41
Methacrylonitrile
Concen: 21.709 ug/l
RT: 7.52 min Scan# 952
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

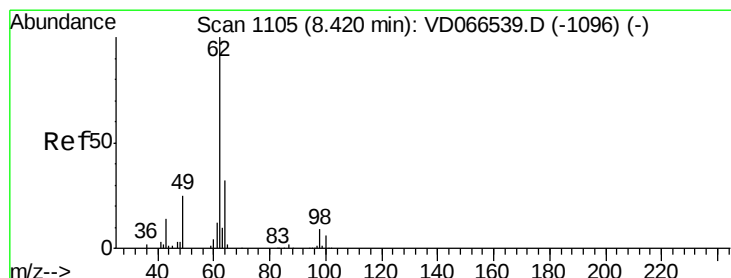
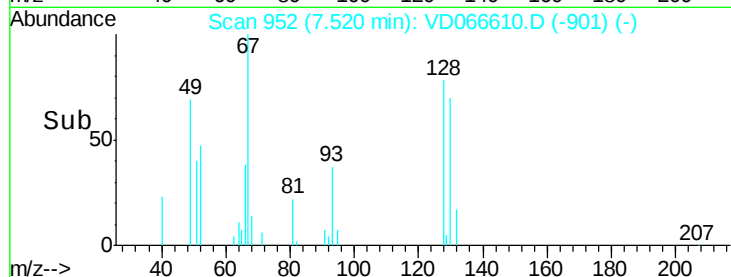
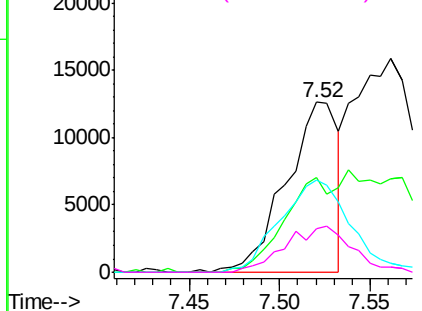
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		25285		
39	47.8	53.6	80.4#		
67	73.8	59.2	88.8		
52	34.7	26.8	40.2		

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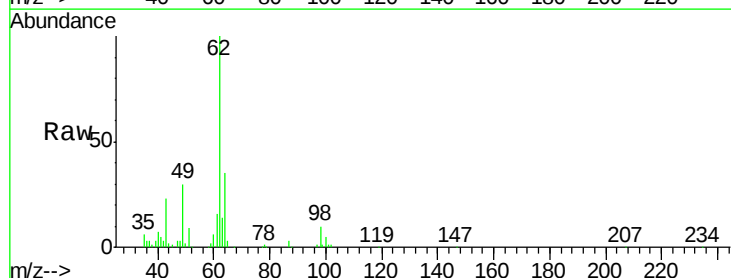


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

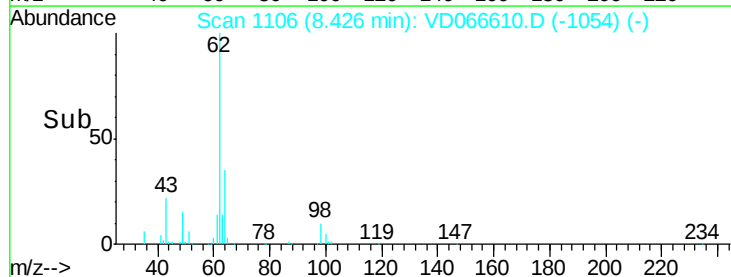
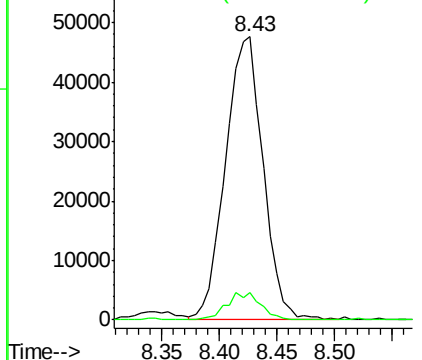


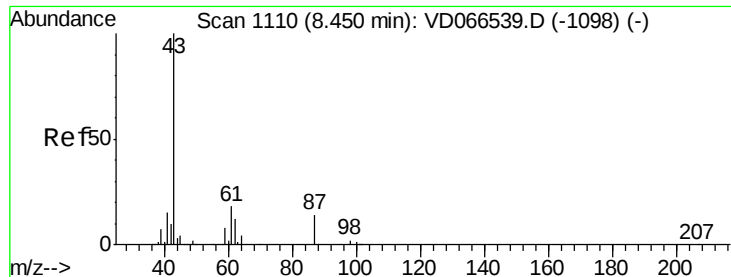
#42
1,2-Dichloroethane
Concen: 20.141 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.01 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		107995		
98	8.9	0.0	17.6		



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





#43

Isopropyl Acetate

Concen: 19.578 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

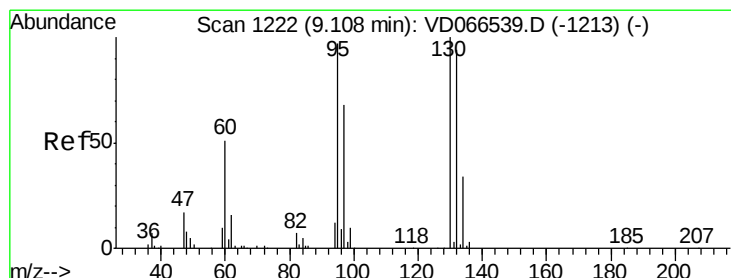
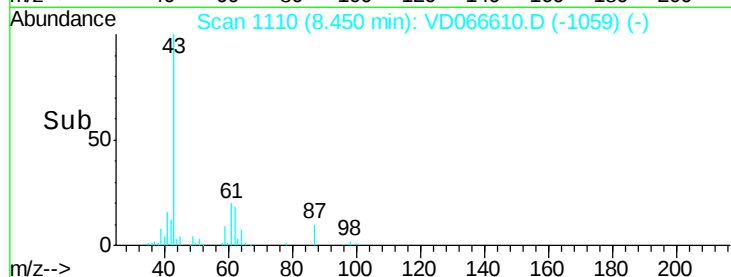
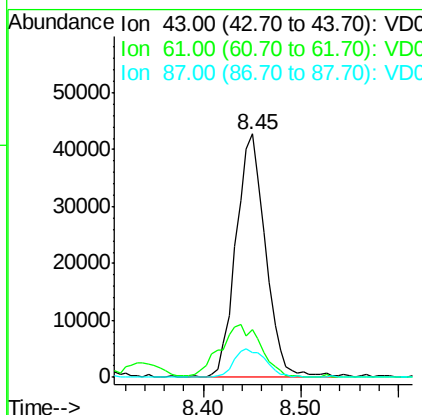
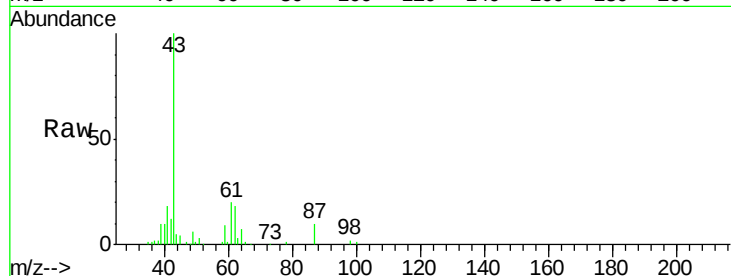
ClientSampleId :

VD0910SBS01

Tot Ion:	43	Resp:	90277
Ion	Ratio	Lower	Upper
43	100		
61	30.2	23.8	35.8
87	12.6	10.7	16.1

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#44

Trichloroethene

Concen: 21.103 ug/l

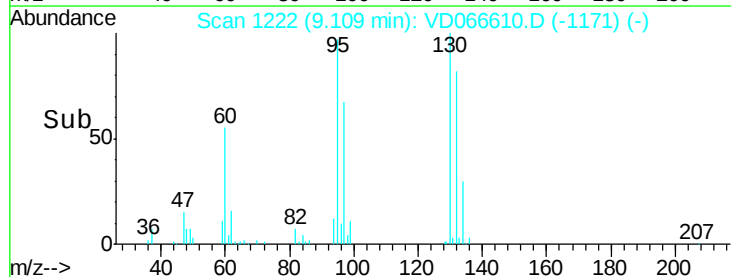
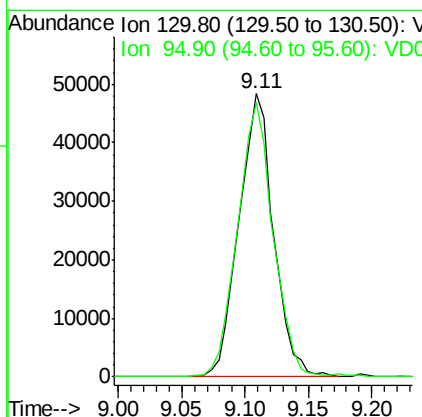
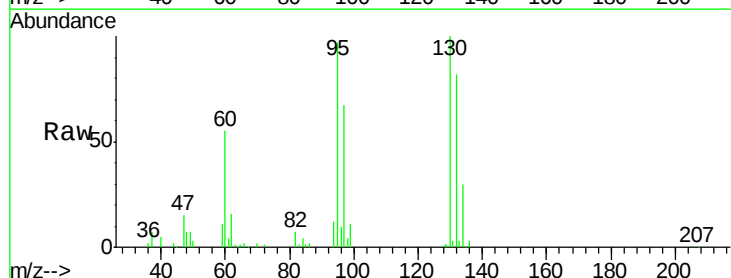
RT: 9.11 min Scan# 1222

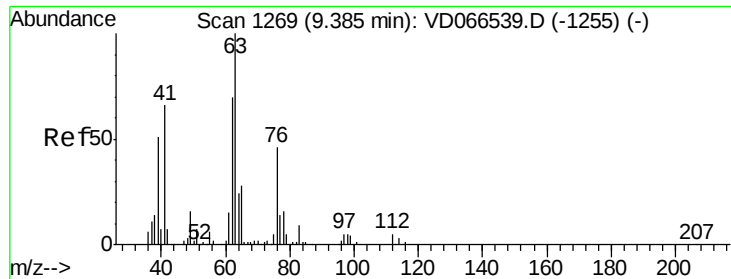
Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Tgt Ion:	130	Resp:	91609
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	194.4





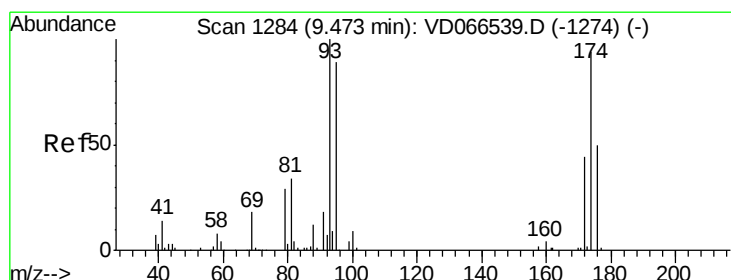
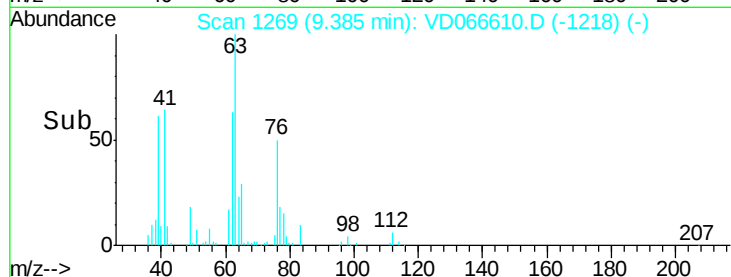
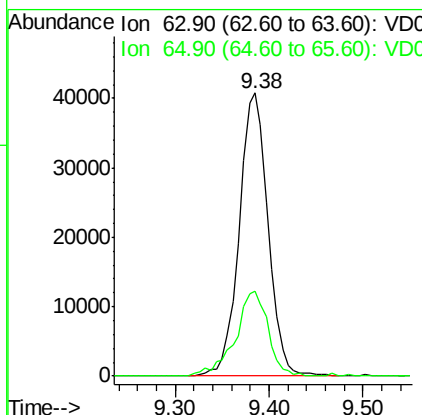
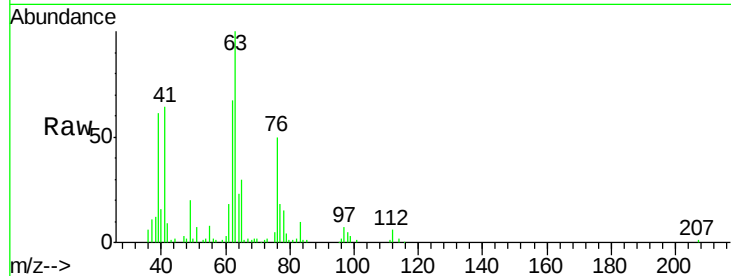
#45
 1,2-Dichloropropane
 Concen: 20.826 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion: 63 Resp: 86672
 Ion Ratio Lower Upper
 63 100
 65 29.9 22.6 34.0

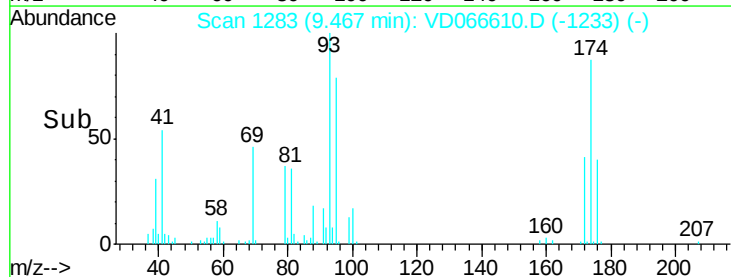
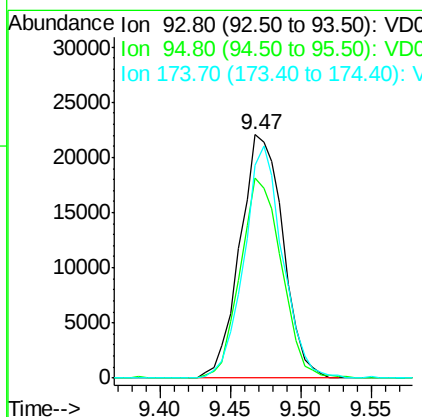
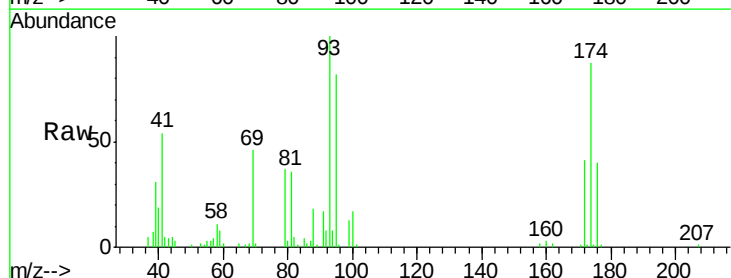
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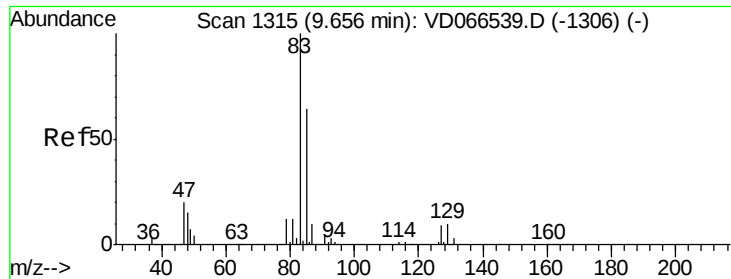
MMDadoda
 9/11/2020 10:17:55 AM



#46
 Dibromomethane
 Concen: 20.486 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion: 93 Resp: 47037
 Ion Ratio Lower Upper
 93 100
 95 78.8 68.7 103.1
 174 86.1 70.0 105.0





#47

Bromodichloromethane

Concen: 20.345 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

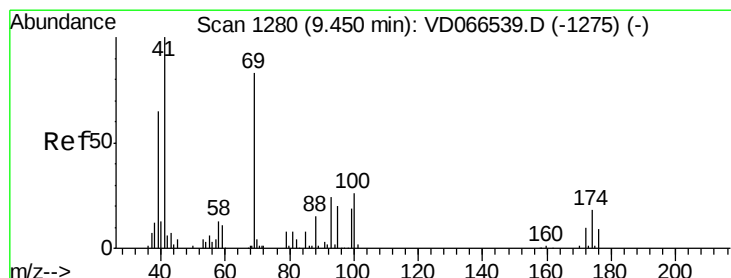
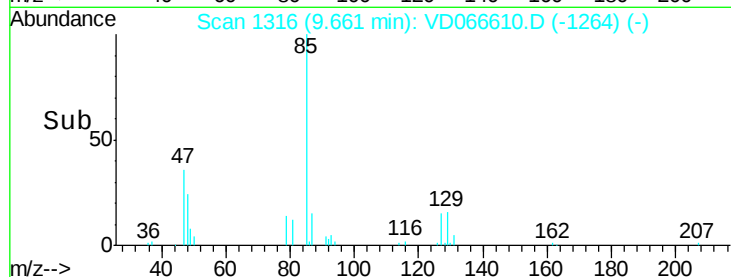
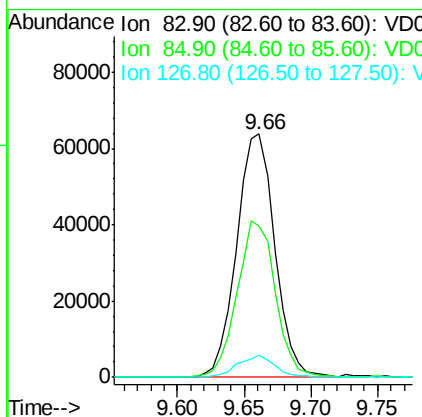
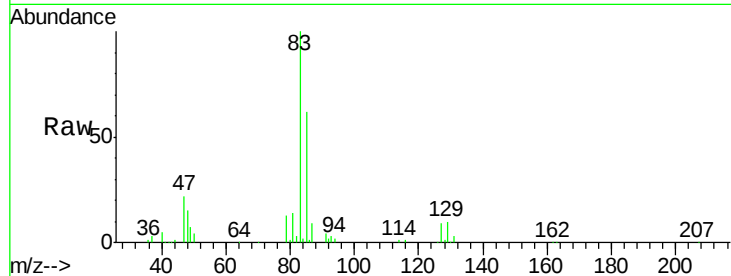
ClientSampleId :

VD0910SBS01

Tot Ion:	83	Resp:	126388
Ion Ratio	Lower	Upper	
83	100		
85	62.1	51.1	76.7
127	9.1	6.9	10.3

Manual Integrations
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MMDadoda
9/11/2020 10:17:55 AM



#48

Methyl methacrylate

Concen: 20.862 ug/l

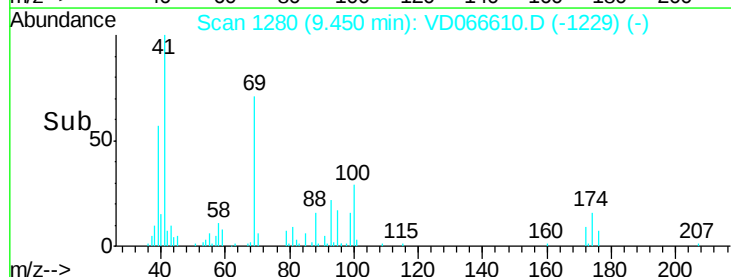
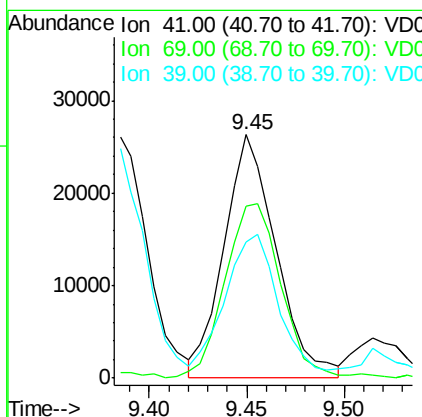
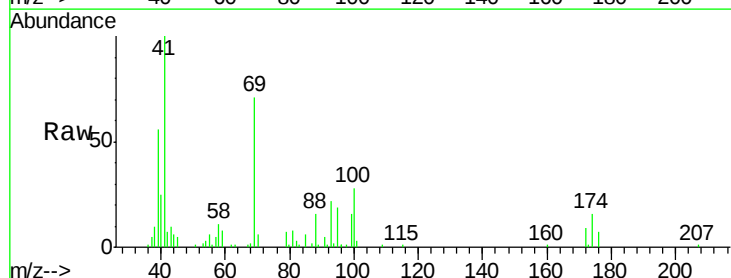
RT: 9.45 min Scan# 1280

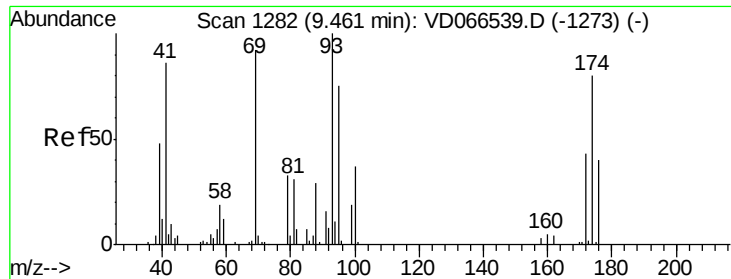
Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Tgt Ion:	41	Resp:	48642
Ion Ratio	Lower	Upper	
41	100		
69	76.8	64.5	96.7
39	55.2	46.6	69.8





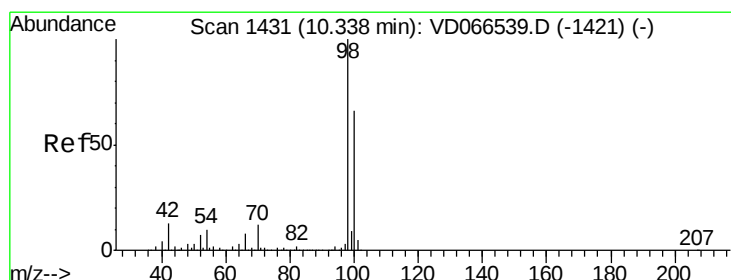
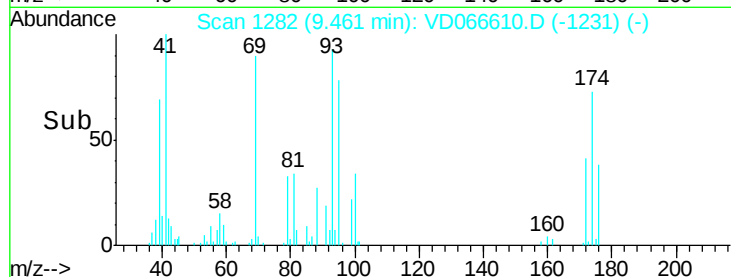
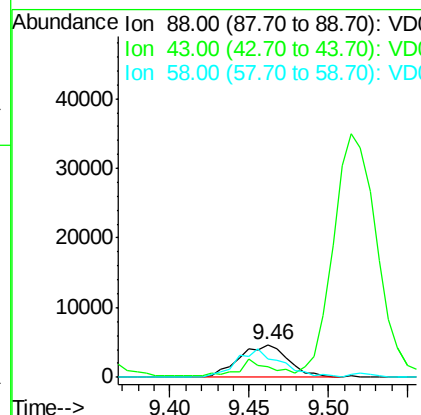
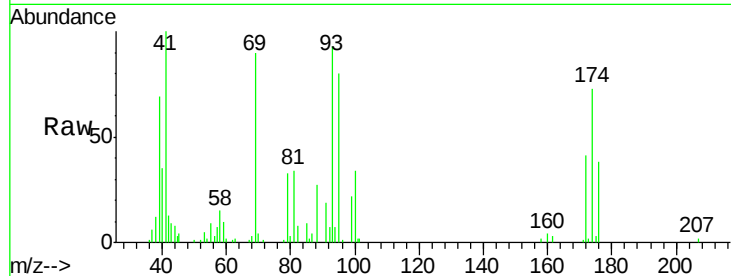
#49
1,4-Dioxane
Concen: 398.648 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	88	Resp	10042
Ion	Ratio	Lower	Upper
88	100		
43	33.1	28.3	42.5
58	77.7	56.1	84.1

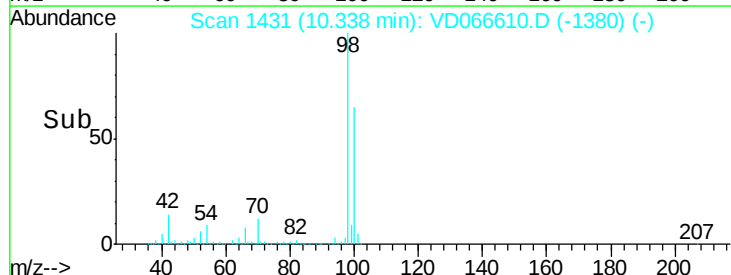
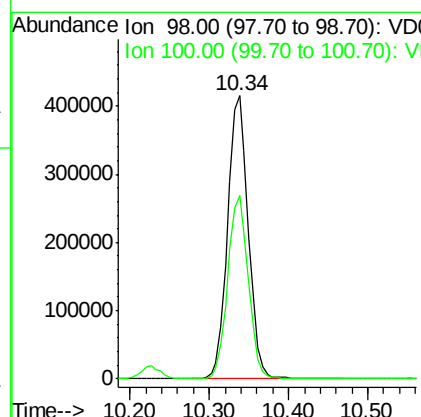
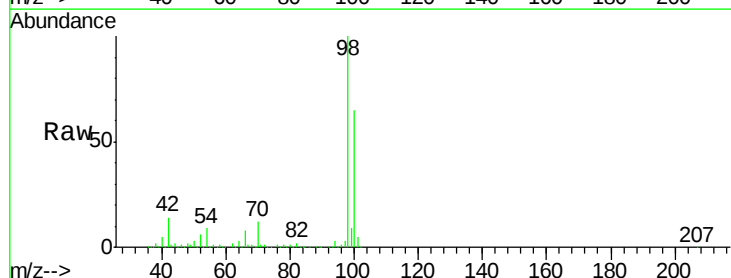
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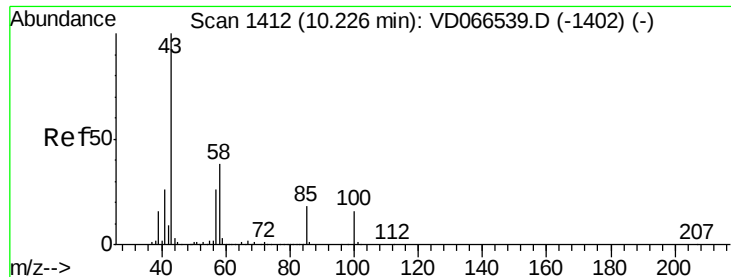
MMDadoda
9/11/2020 10:17:55 AM



#50
Toluene-d8
Concen: 53.270 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	98	Resp	745759
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 100.342 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 43 Resp: 233343

Ion Ratio Lower Upper

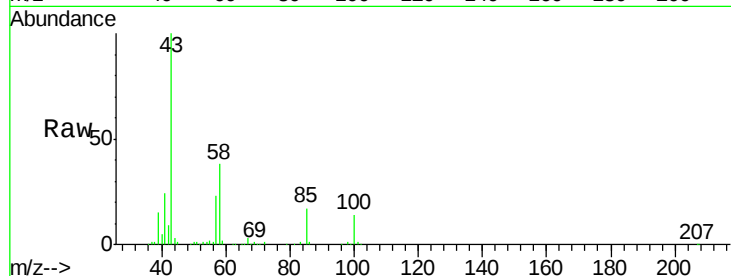
43 100

58 37.3 30.5 45.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

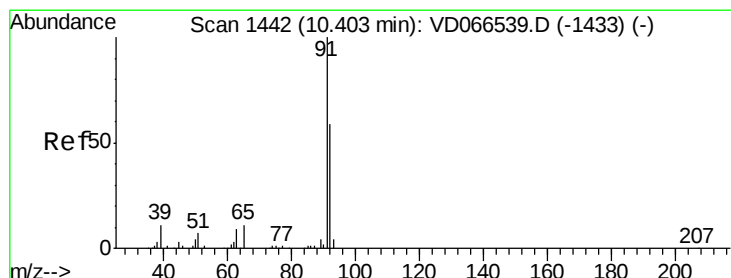
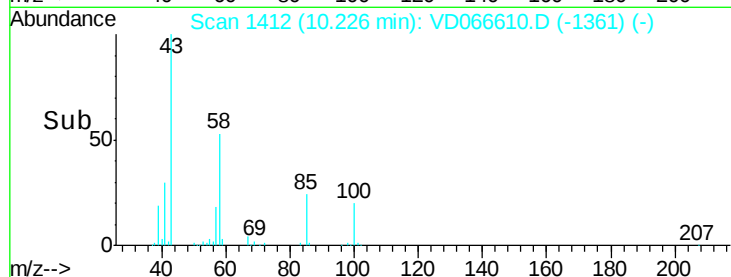
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.943 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066610.D

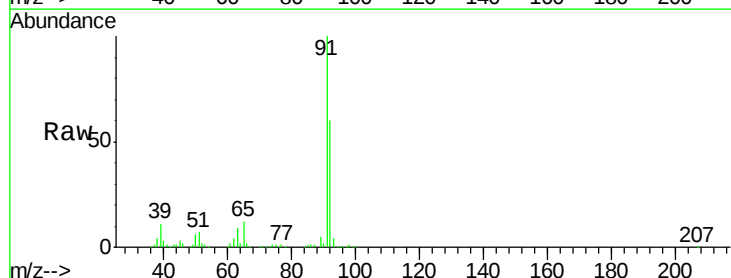
Acq: 10 Sep 2020 12:31

Tgt Ion: 92 Resp: 219395

Ion Ratio Lower Upper

92 100

91 171.1 137.4 206.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

200000

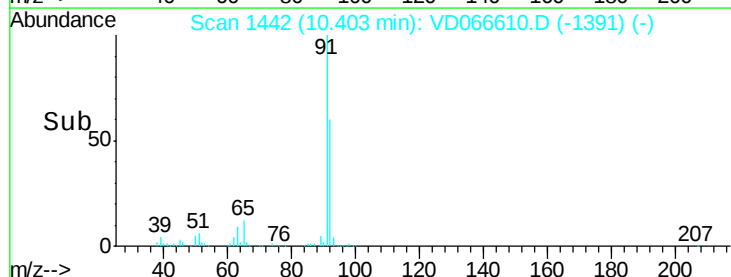
150000

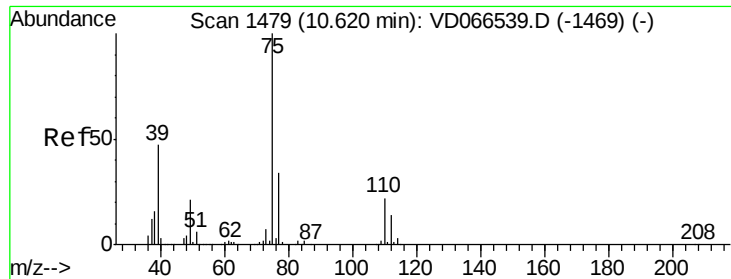
100000

50000

0

Time-->





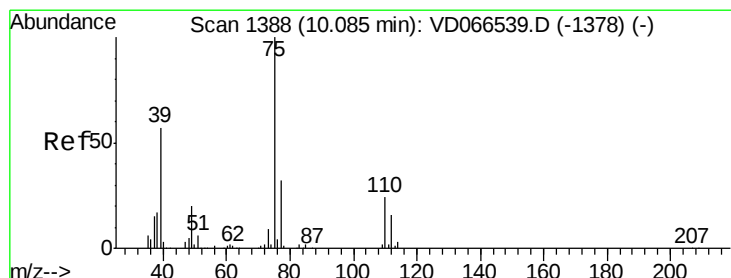
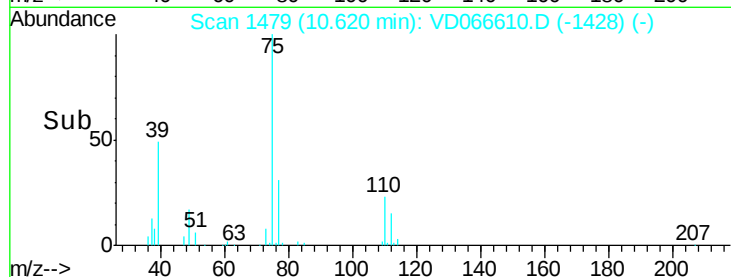
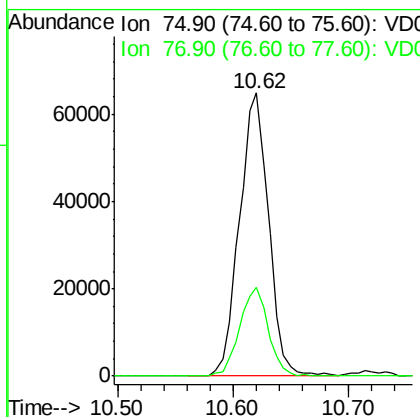
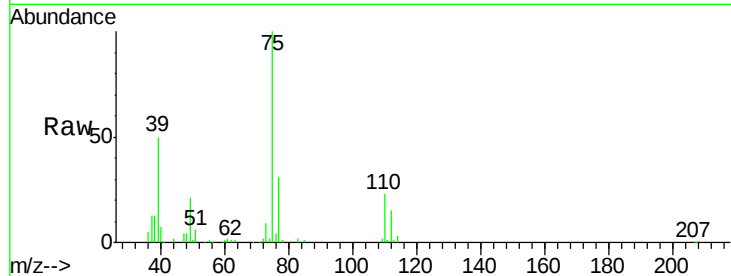
#53
 t-1,3-Dichloropropene
 Concen: 20.659 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion: 75 Resp: 113293
 Ion Ratio Lower Upper
 75 100
 77 31.4 27.4 41.2

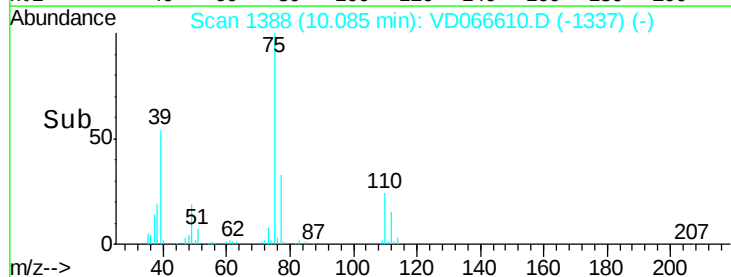
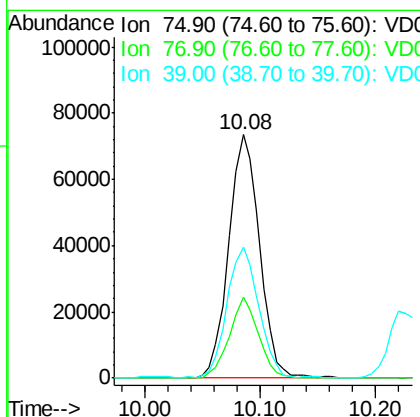
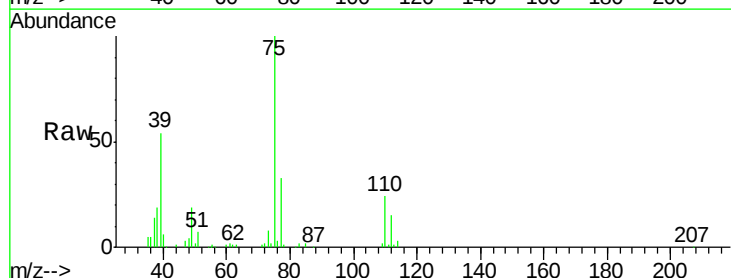
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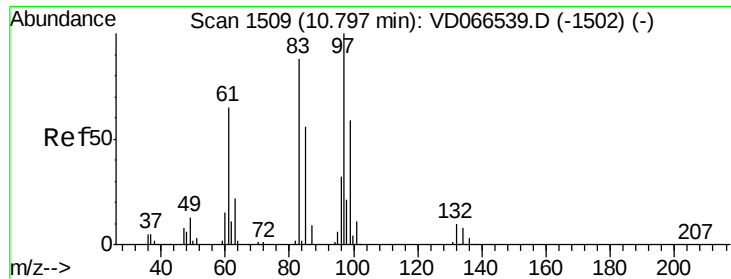
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#54
 cis-1,3-Dichloropropene
 Concen: 20.629 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion: 75 Resp: 135853
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.4 38.0
 39 53.3 45.4 68.0





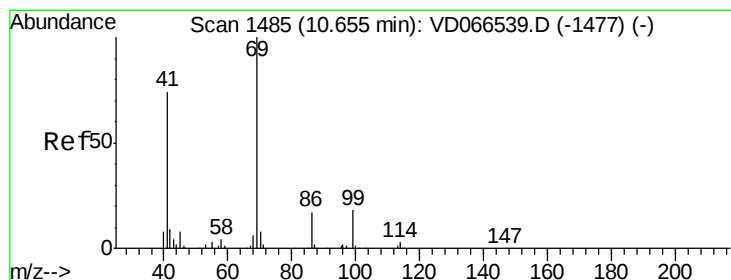
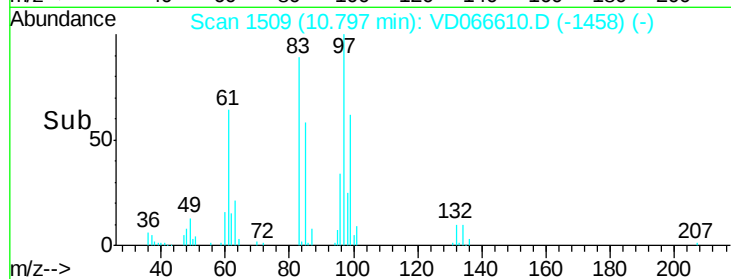
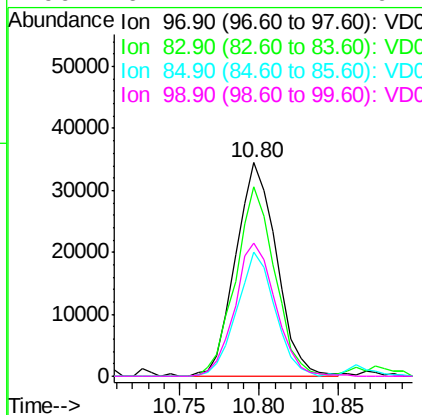
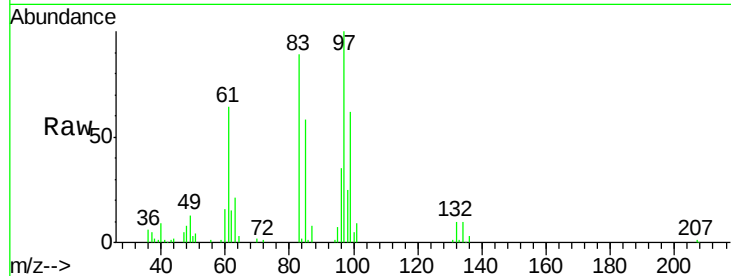
#55
 1,1,2-Trichloroethane
 Concen: 21.015 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion:	97	Resp:	62040
Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.1	105.1
85	58.0	44.5	66.7
99	62.1	47.1	70.7

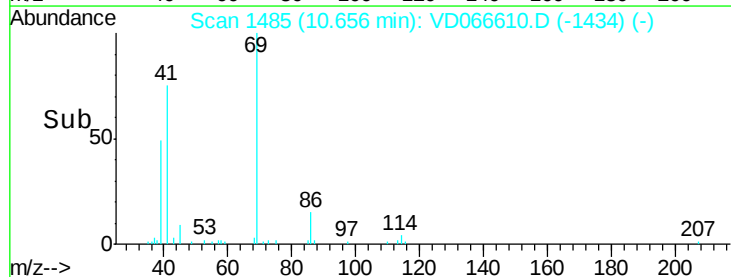
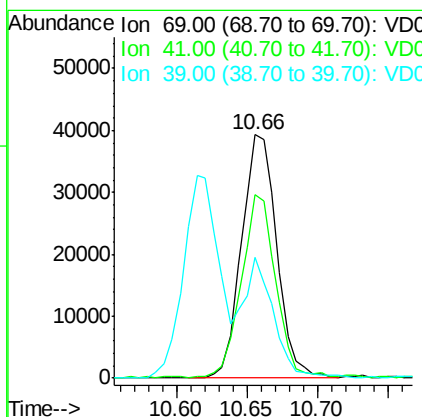
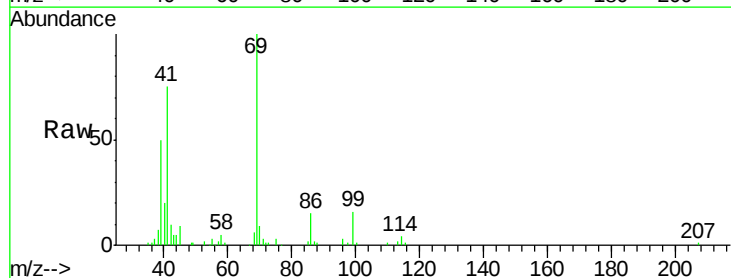
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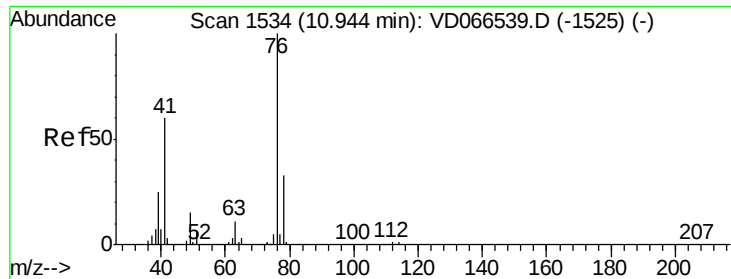
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 9/11/2020 10:17:55 AM



#56
 Ethyl methacrylate
 Concen: 20.077 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion:	69	Resp:	69011
Ion	Ratio	Lower	Upper
69	100		
41	73.6	56.8	85.2
39	43.6	30.6	46.0





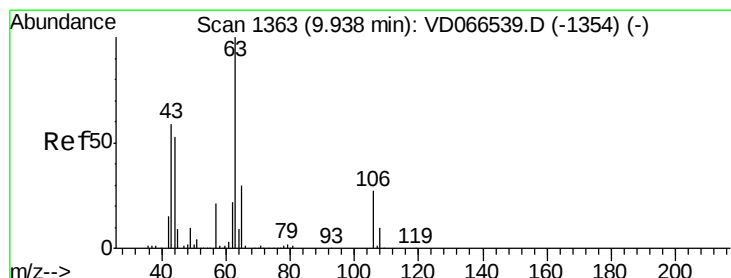
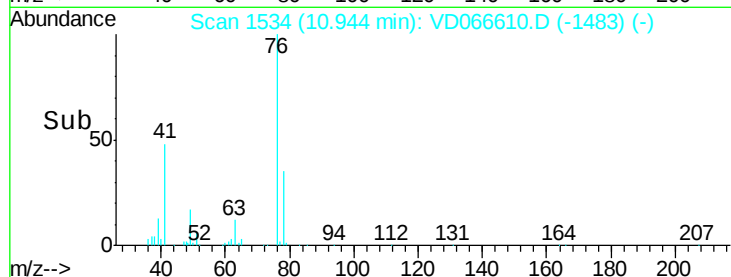
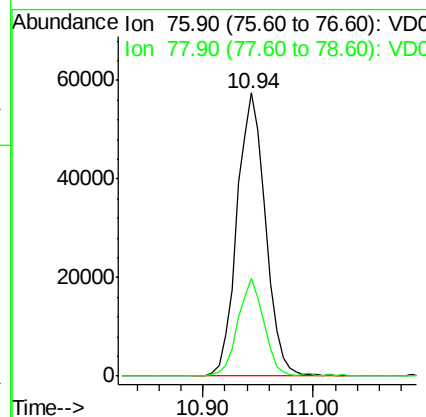
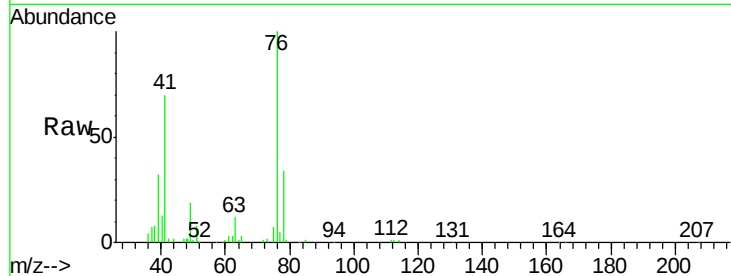
#57
 1,3-Dichloropropane
 Concen: 20.155 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion: 76 Resp: 104223
 Ion Ratio Lower Upper
 76 100
 78 31.2 25.8 38.8

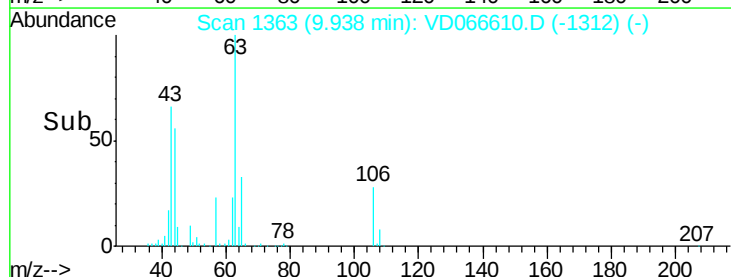
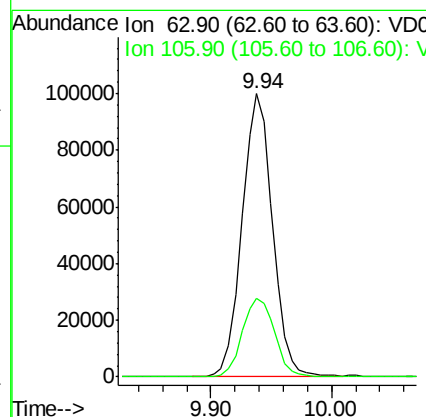
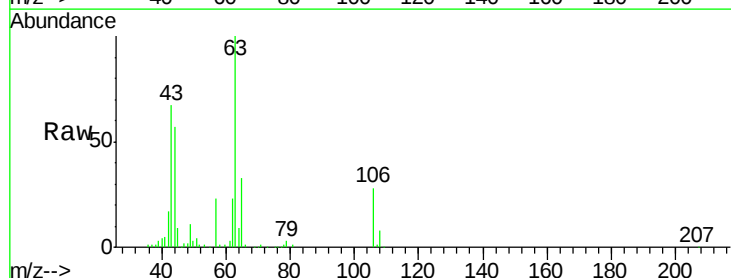
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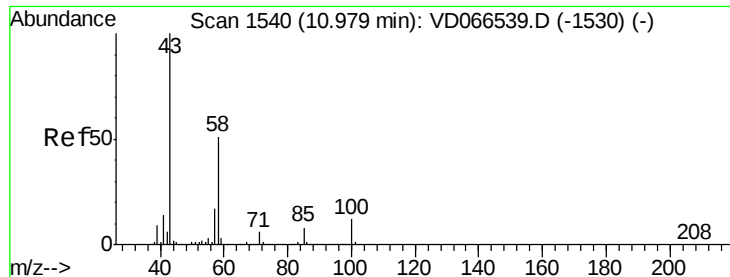
MMDadoda
 9/11/2020 10:17:55 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.613 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion: 63 Resp: 175483
 Ion Ratio Lower Upper
 63 100
 106 29.5 22.0 33.0





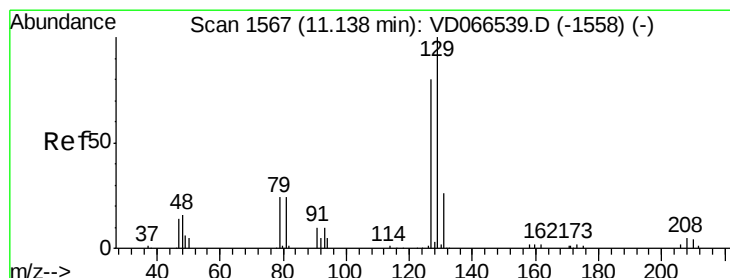
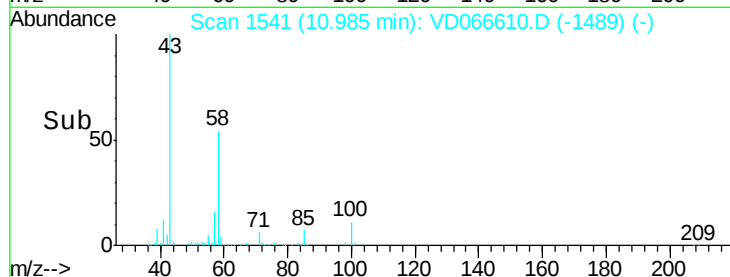
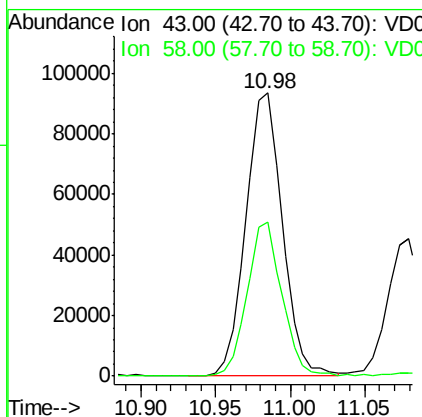
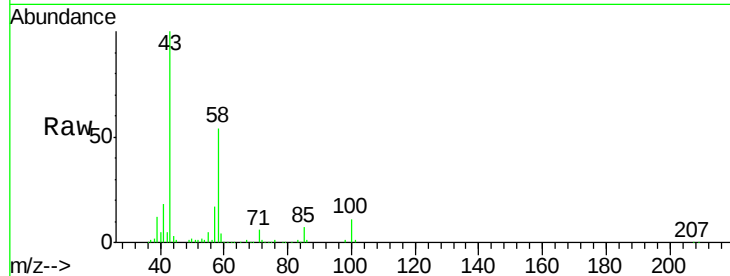
#59
2-Hexanone
Concen: 101.223 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.01 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 43 Resp: 158297
Ion Ratio Lower Upper
43 100
58 51.8 25.6 76.8

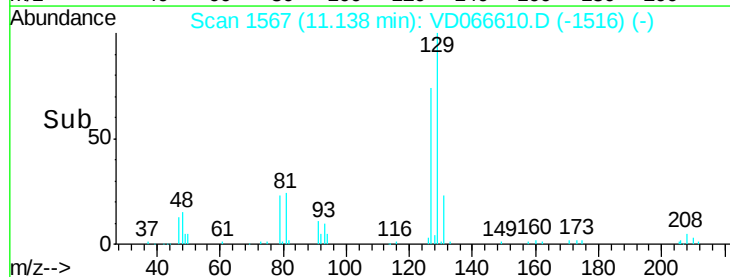
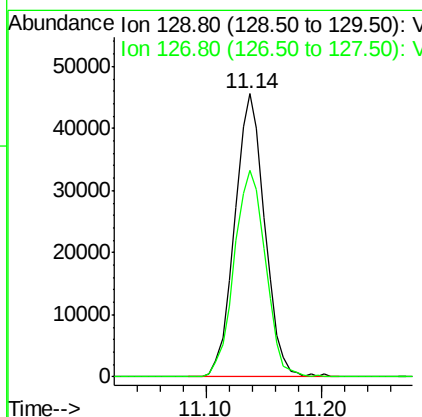
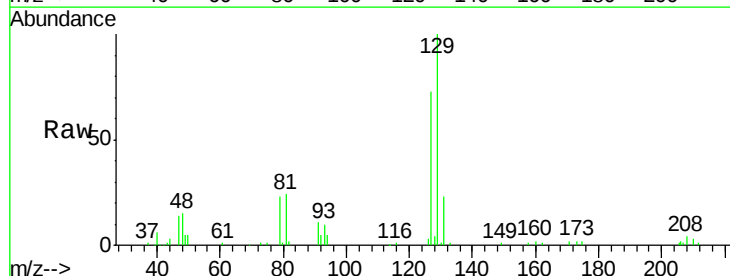
Manual Integrations
APPROVED

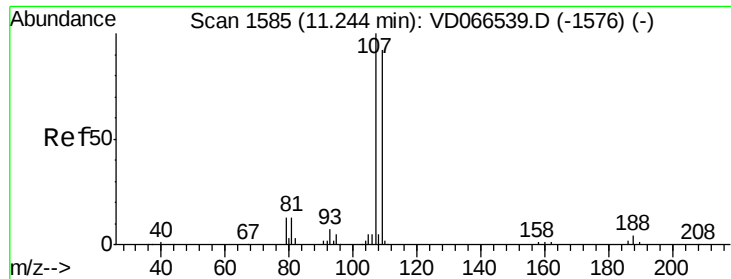
MMDadoda
9/11/2020 10:17:55 AM



#60
Dibromochloromethane
Concen: 20.960 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion: 129 Resp: 81827
Ion Ratio Lower Upper
129 100
127 76.6 39.5 118.3





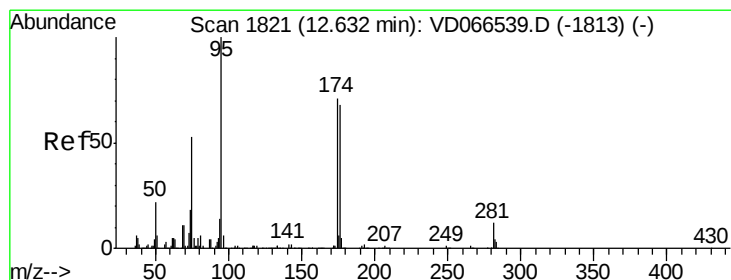
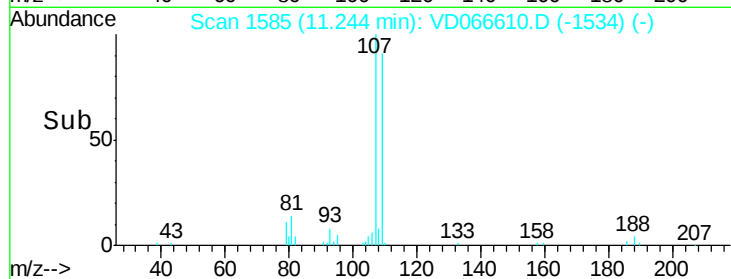
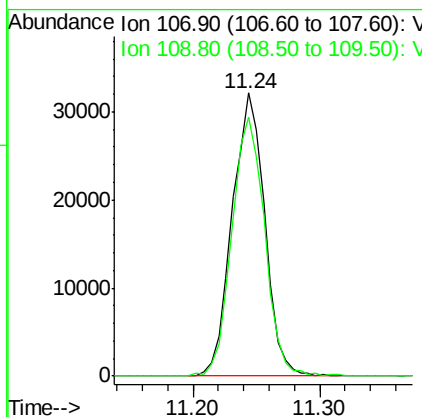
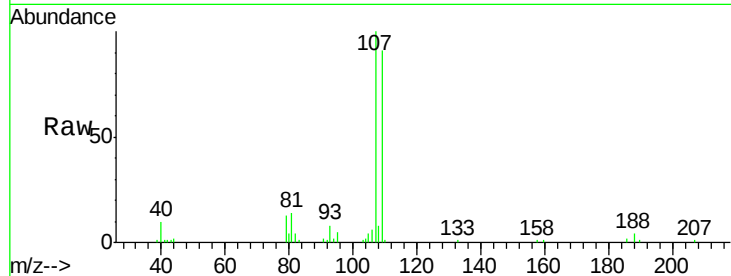
#61
 1,2-Dibromoethane
 Concen: 19.809 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	74.4	111.6

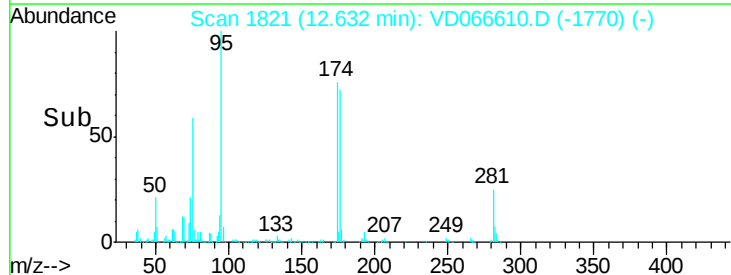
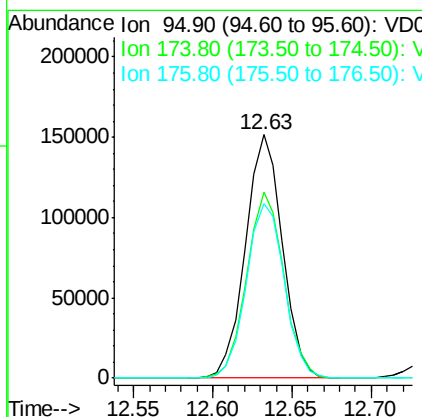
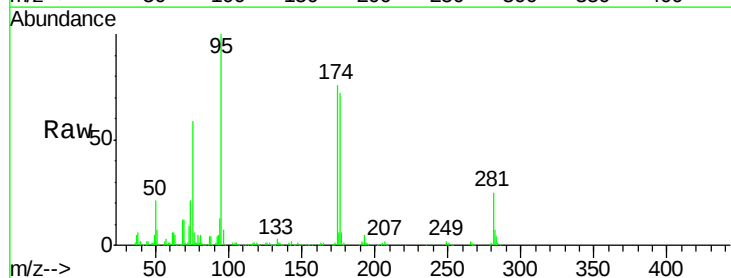
Manual Integrations
 APPROVED

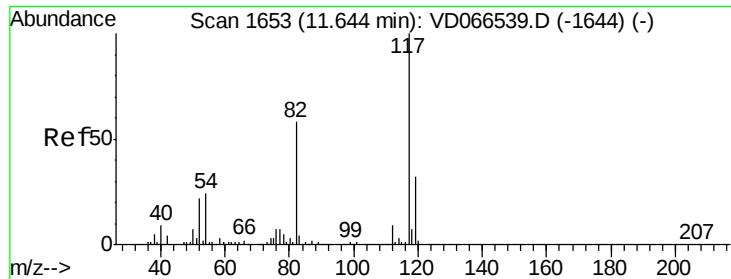
MMDadoda
 9/11/2020 10:17:55 AM



#62
 4-Bromofluorobenzene
 Concen: 52.809 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	155.8
176	73.7	0.0	148.6





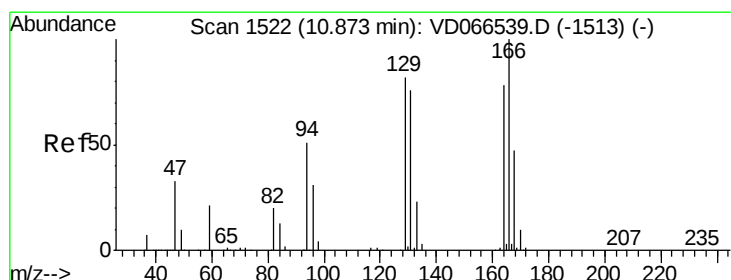
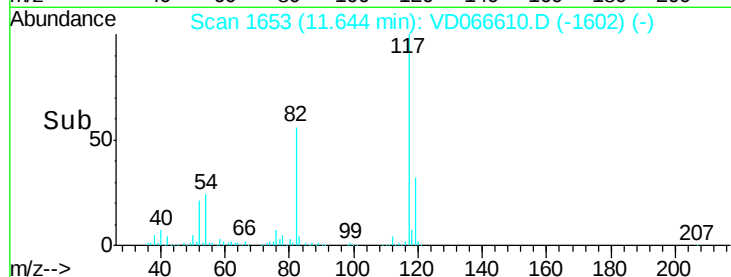
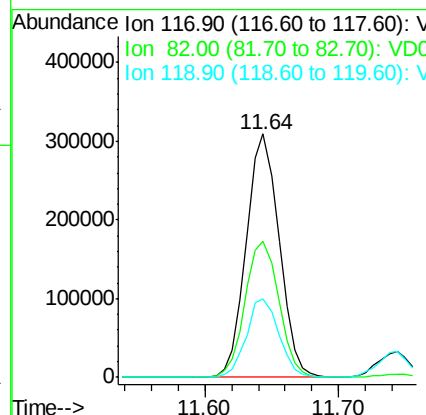
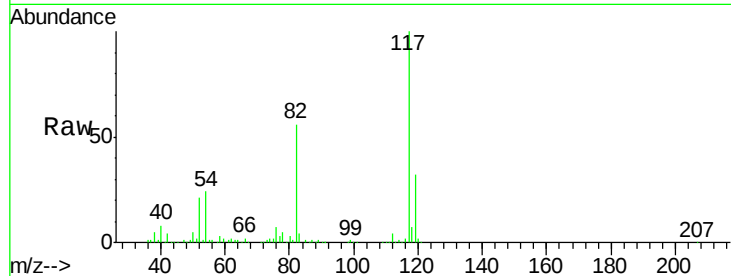
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.2	69.2
119	32.3	25.8	38.8

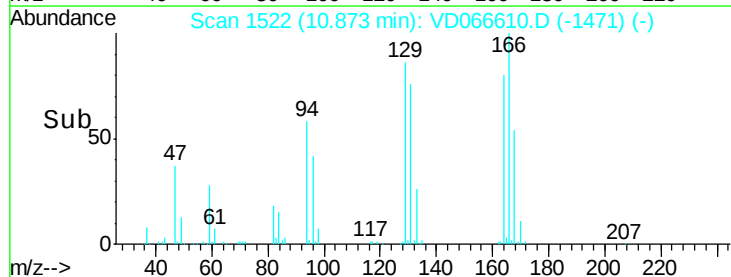
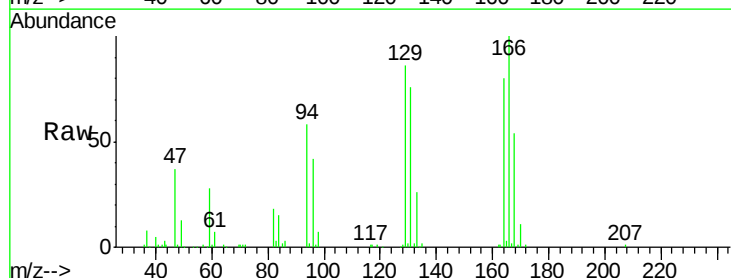
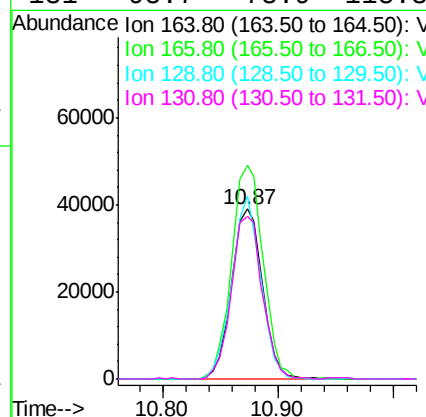
Manual Integrations
APPROVED

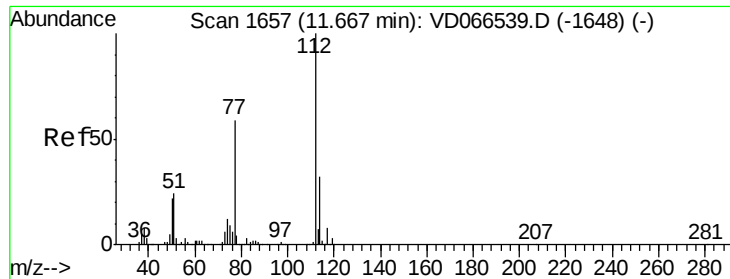
MMDadoda
9/11/2020 10:17:55 AM



#64
Tetrachloroethene
Concen: 20.454 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	103.2	154.8
129	107.8	84.5	126.7
131	95.7	78.9	118.3





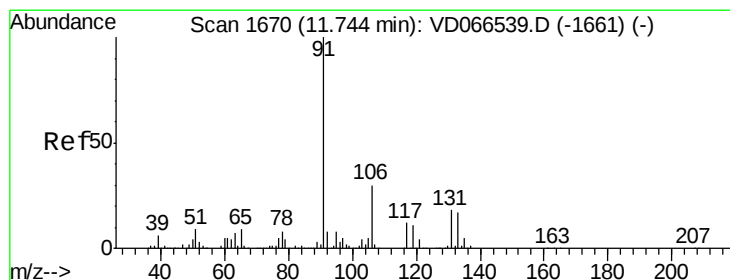
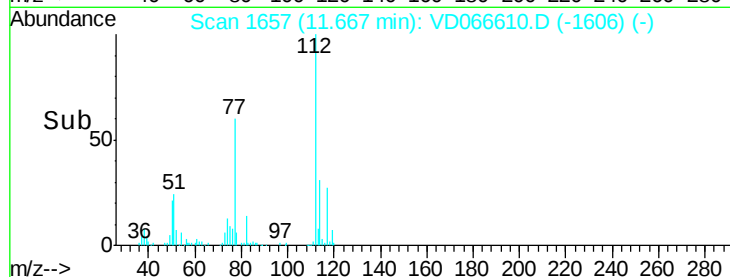
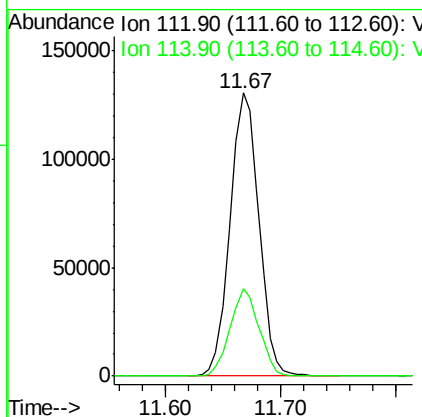
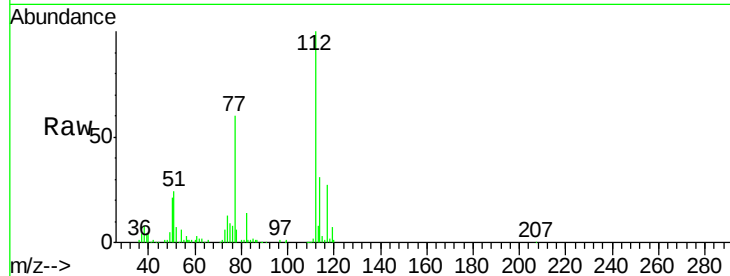
#65
Chlorobenzene
Concen: 20.734 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.7	38.5

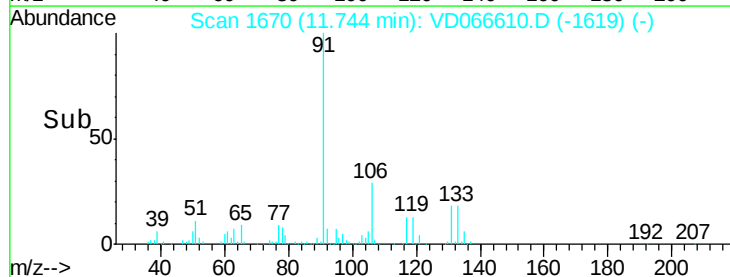
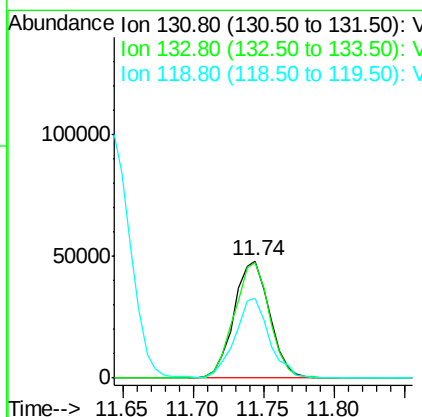
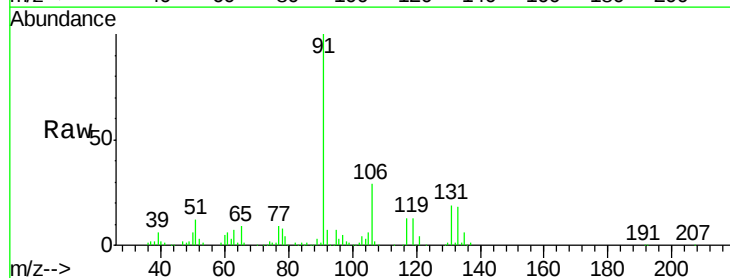
Manual Integrations
APPROVED

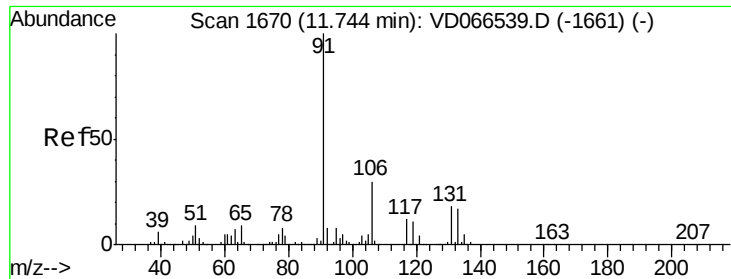
MMDadoda
9/11/2020 10:17:55 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.547 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	46.7	140.0
119	64.6	31.9	95.7





#67

Ethyl Benzene

Concen: 20.388 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion: 91 Resp: 407586

Ion Ratio Lower Upper

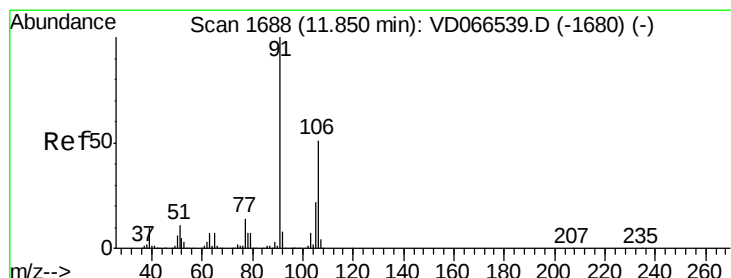
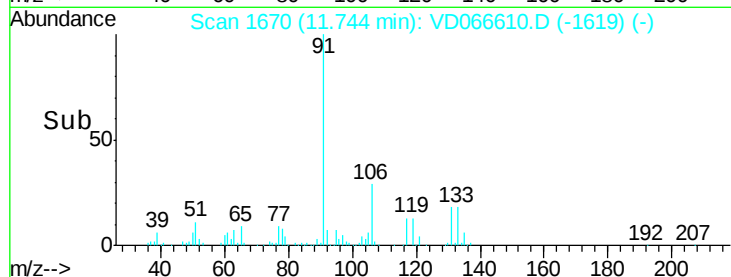
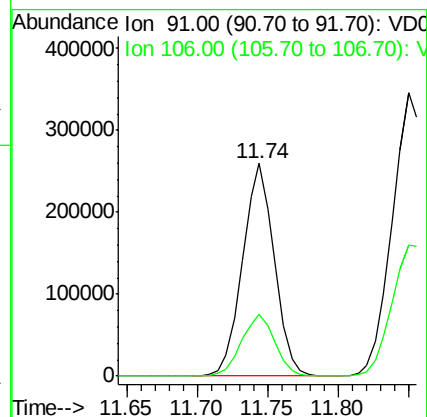
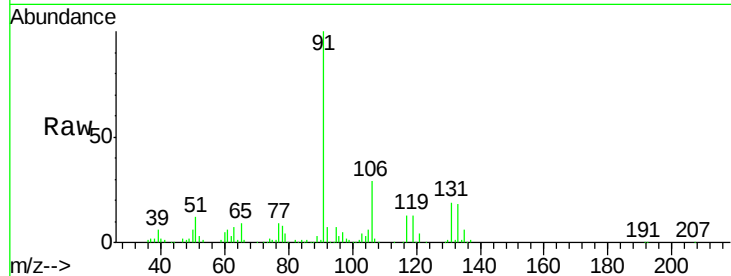
91 100

106 29.4 24.3 36.5

Manual Integrations
APPROVED

MMDadoda

9/11/2020 10:17:55 AM



#68

m/p-Xylenes

Concen: 41.501 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VD066610.D

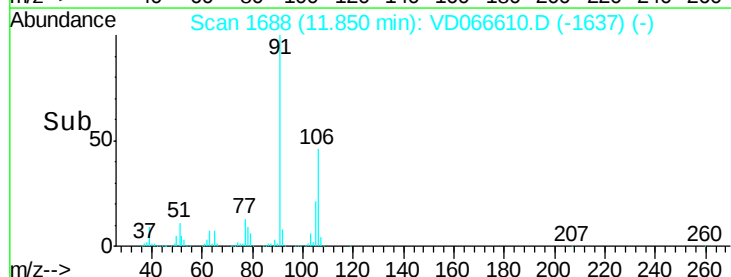
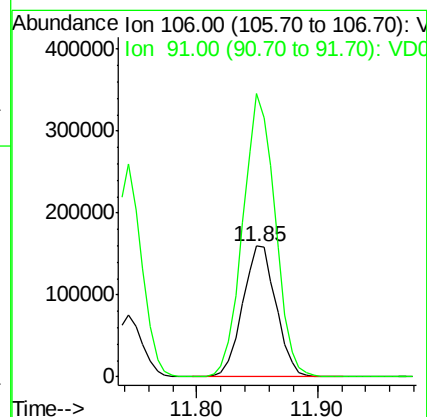
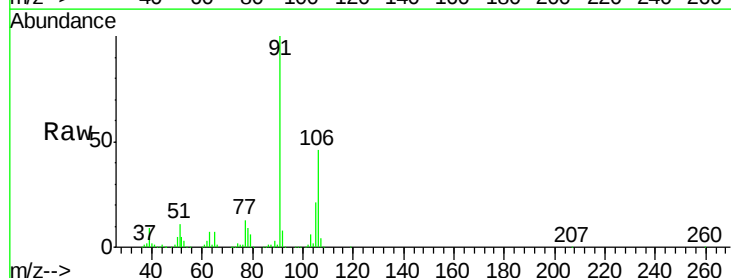
Acq: 10 Sep 2020 12:31

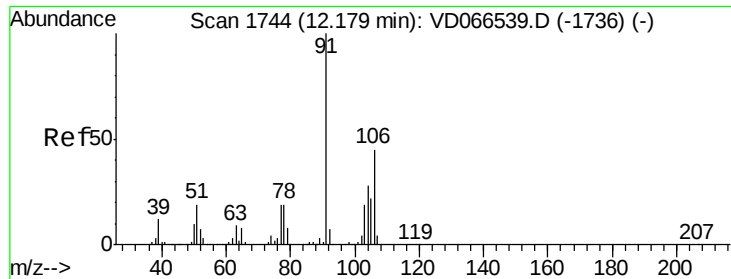
Tgt Ion: 106 Resp: 308063

Ion Ratio Lower Upper

106 100

91 208.9 162.4 243.6





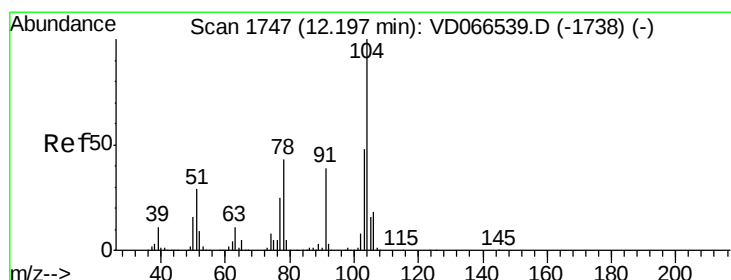
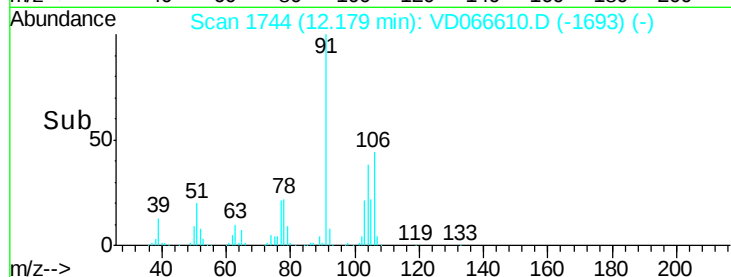
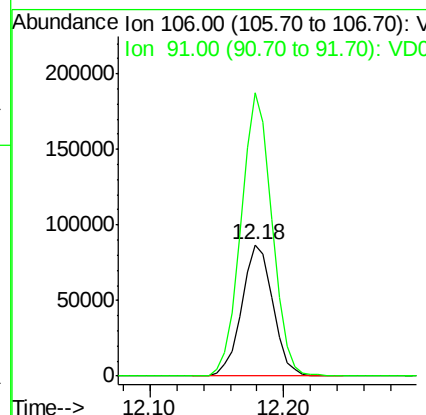
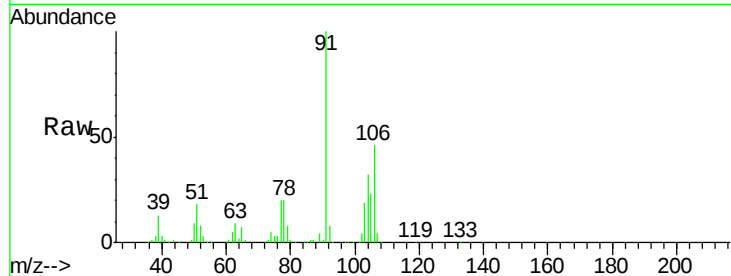
#69
o-Xylene
Concen: 21.000 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	214.4	107.9	323.8		

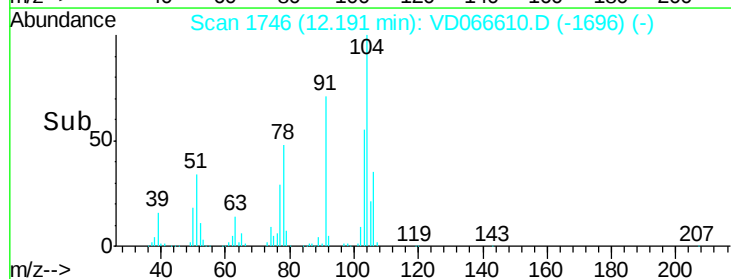
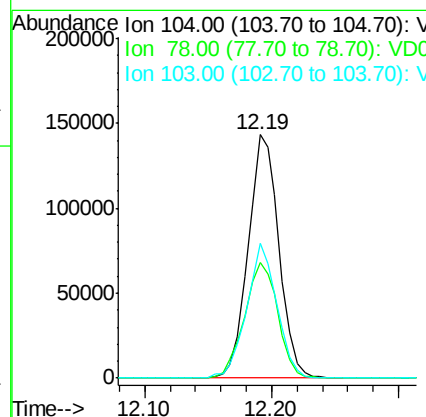
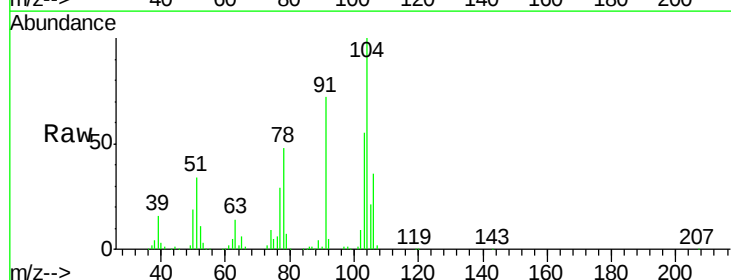
Manual Integrations
APPROVED

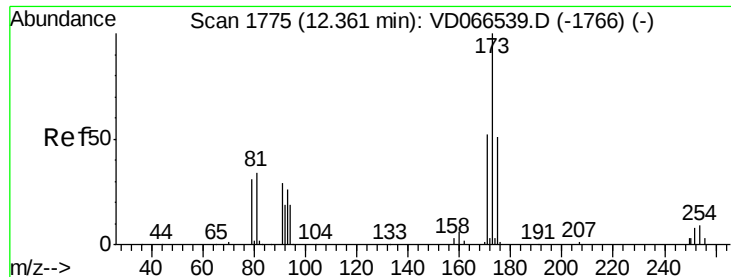
MMDadoda
9/11/2020 10:17:55 AM



#70
Styrene
Concen: 20.857 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	51.4	40.7	61.1		
103	54.6	42.9	64.3		





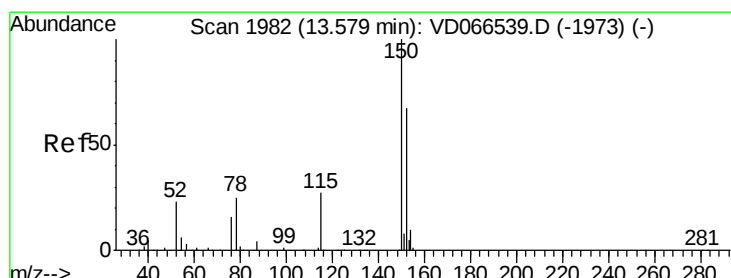
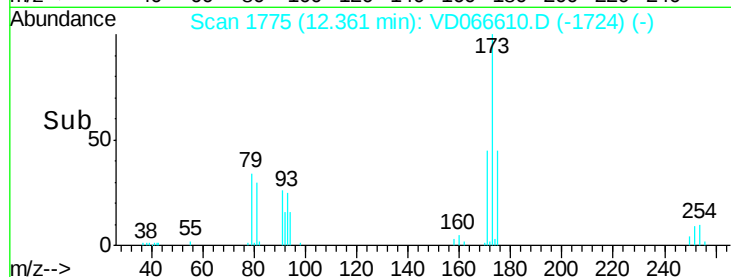
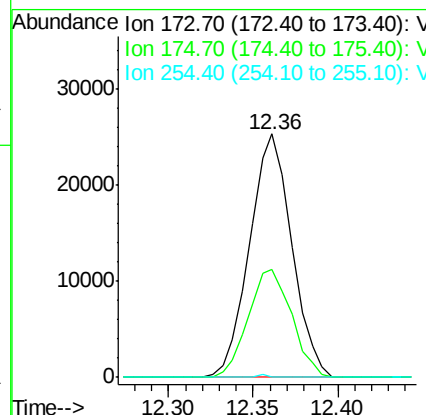
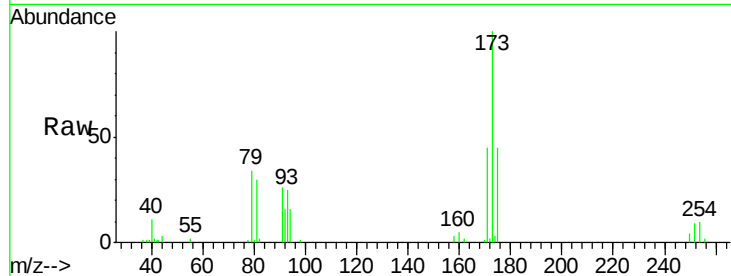
#71
Bromoform
Concen: 20.914 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.6	24.2	72.6
254	0.2	0.0	0.0

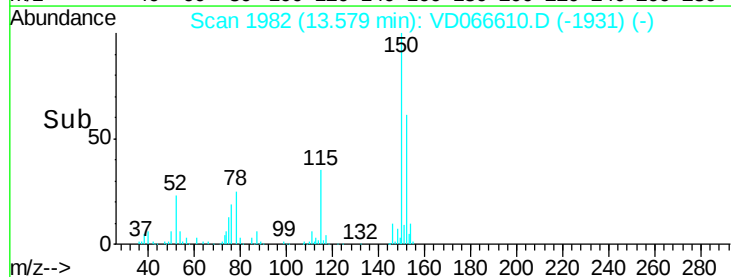
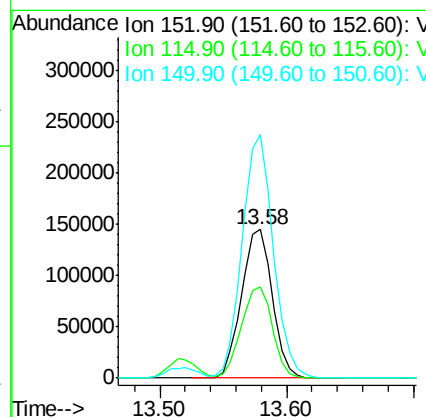
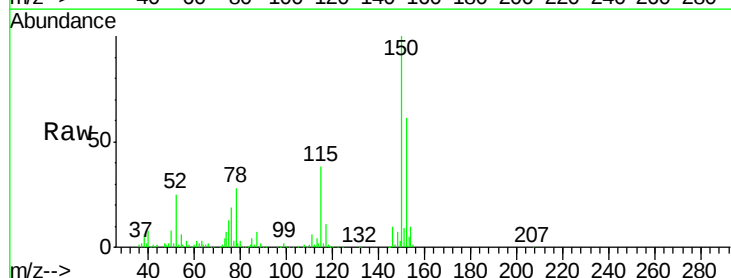
Manual Integrations
APPROVED

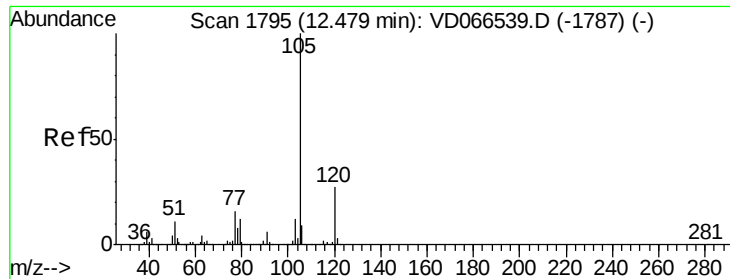
MMDadoda
9/11/2020 10:17:55 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.9	30.4	91.2
150	165.7	0.0	345.8





#73

Isopropylbenzene

Concen: 21.664 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0910SBS01

Tot Ion:105 Resp: 391507

Ion Ratio Lower Upper

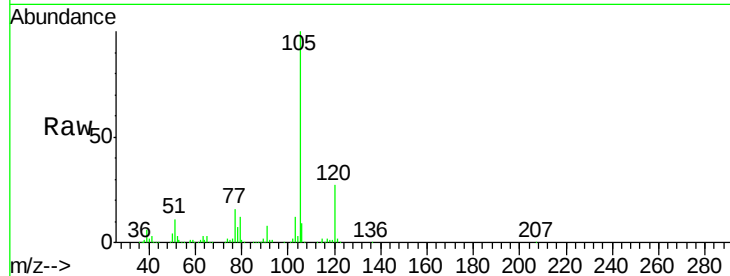
105 100

120 26.0 13.0 39.0

Manual Integrations
APPROVED

MMDadoda

9/11/2020 10:17:55 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

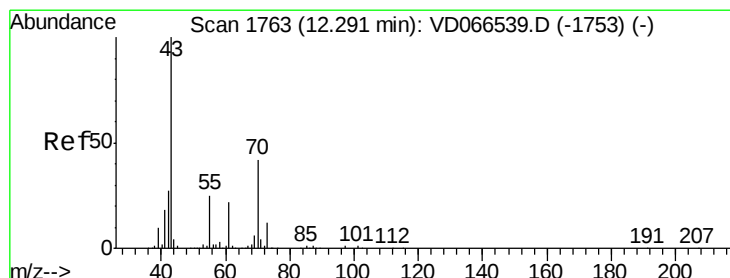
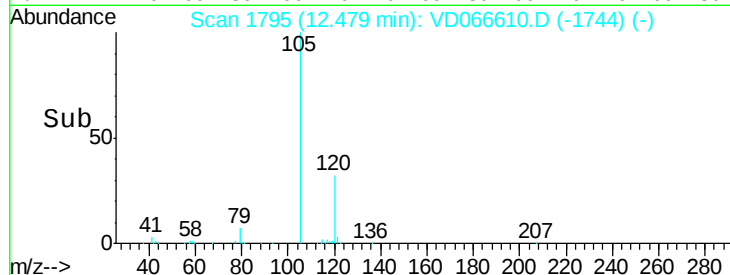
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.784 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Tgt Ion: 43 Resp: 80980

Ion Ratio Lower Upper

43 100

70 42.6 33.4 50.2

55 27.8 20.1 30.1

61 22.9 18.2 27.2

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

80000

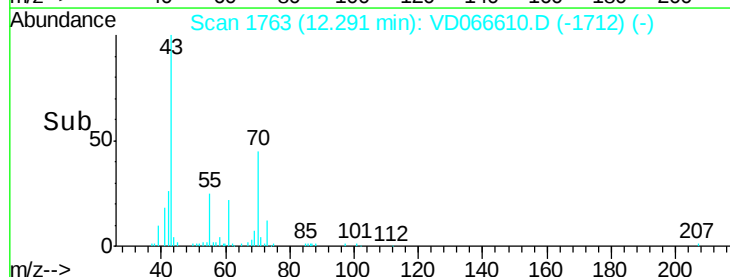
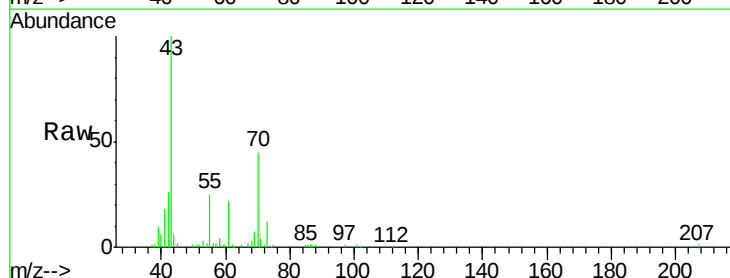
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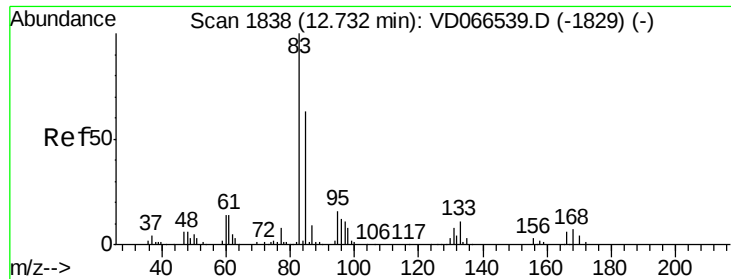
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.315 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

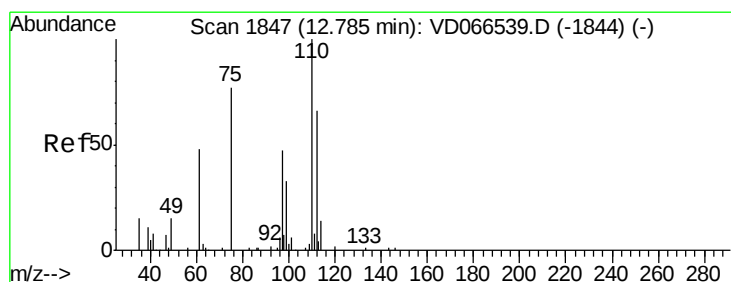
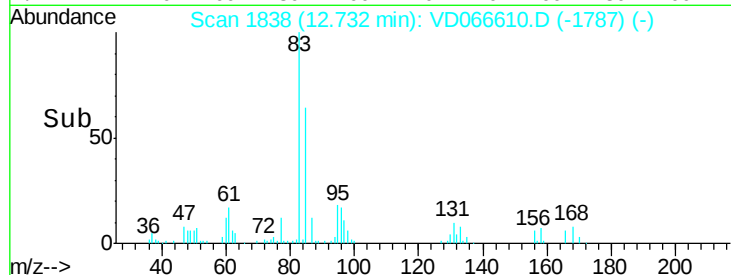
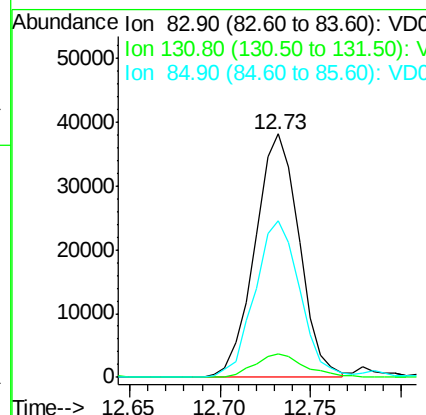
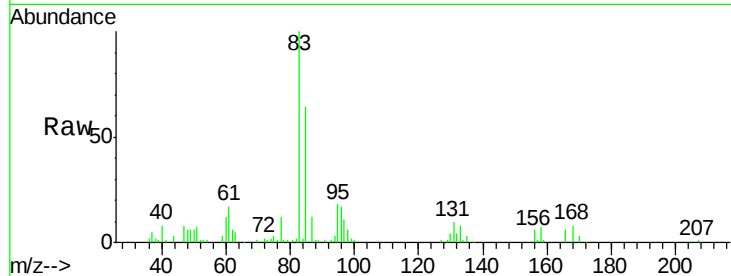
ClientSampleId :

VD0910SBS01

Tot Ion:	83	Resp:	64861
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.0	15.0
85	65.6	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 17.903 ug/l m

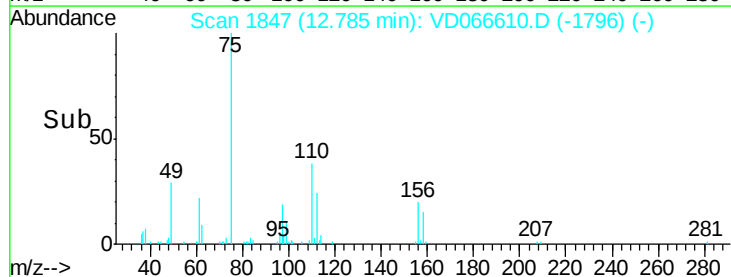
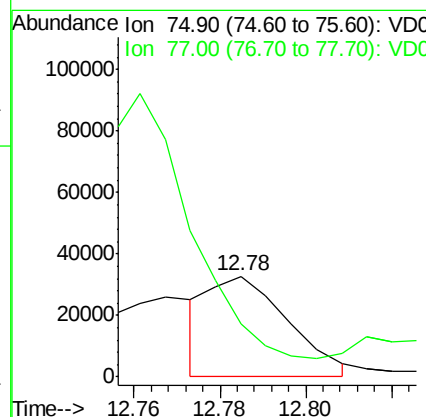
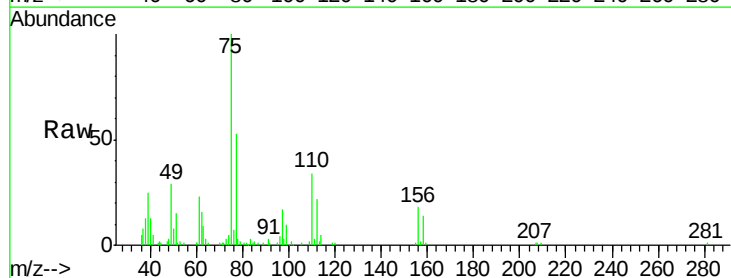
RT: 12.78 min Scan# 1847

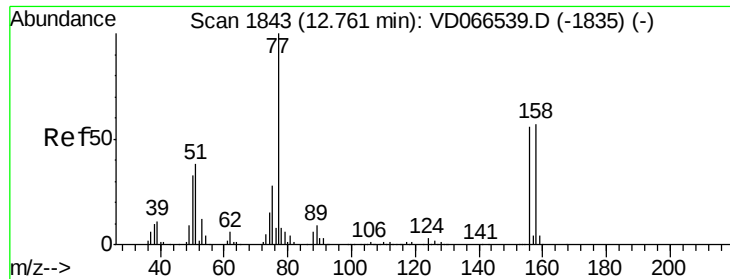
Delta R.T. 0.00 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Tgt Ion:	75	Resp:	42027
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





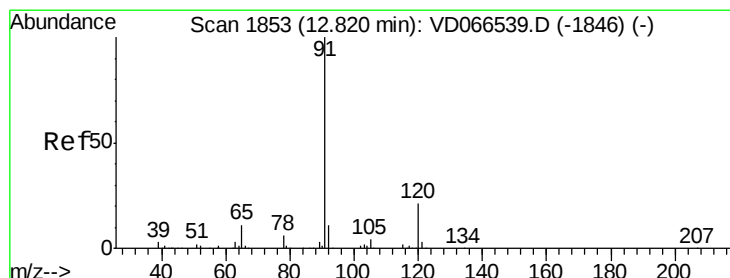
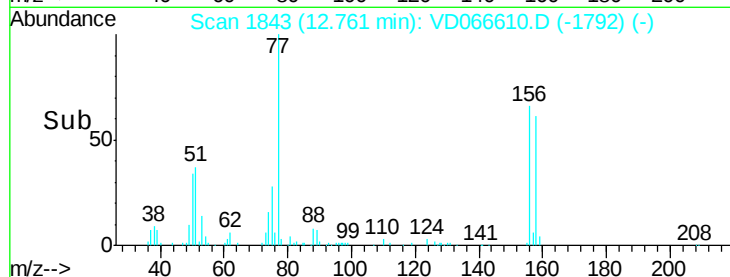
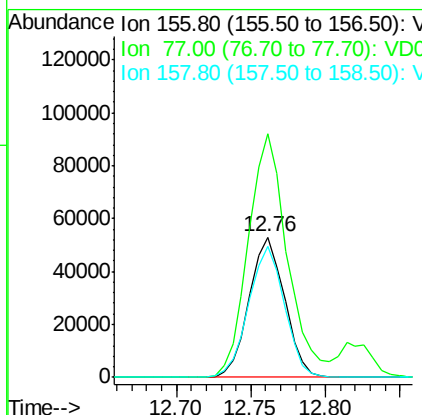
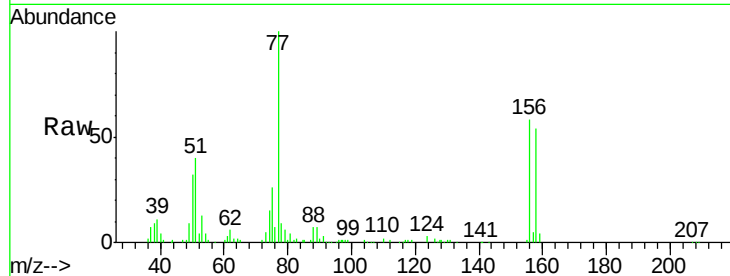
#77
Bromobenzene
Concen: 21.602 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.0	98.0	294.1
158	94.2	48.1	144.3

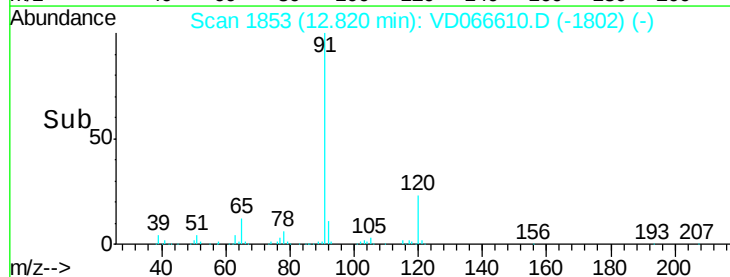
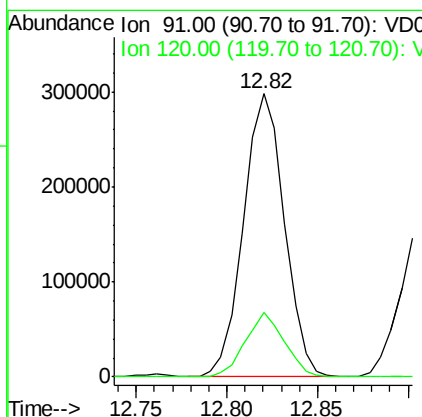
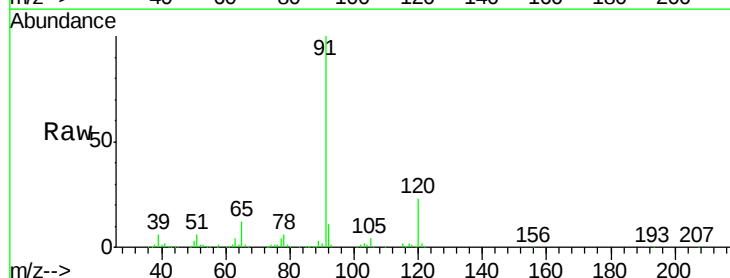
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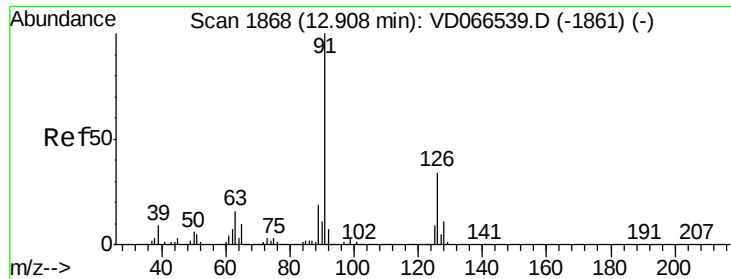
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#78
n-propylbenzene
Concen: 21.295 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	11.1	33.1





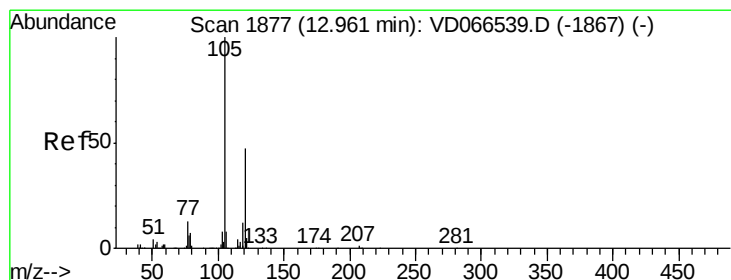
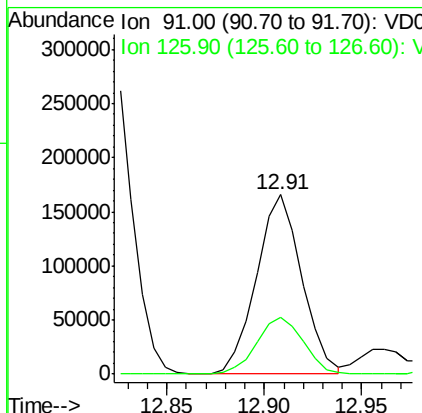
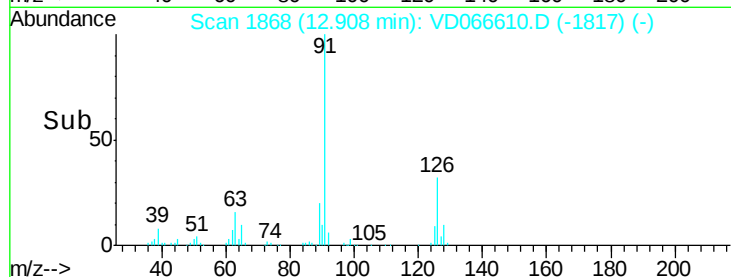
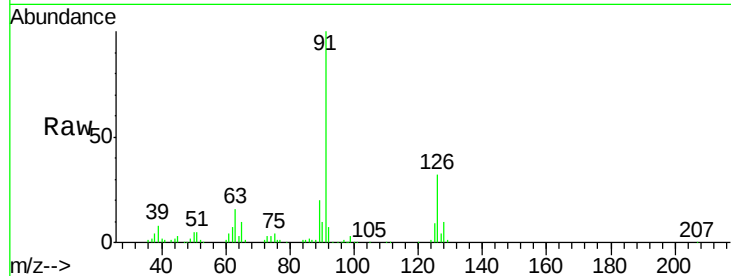
#79
2-Chlorotoluene
Concen: 21.733 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion: 91 Resp: 267106
Ion Ratio Lower Upper
91 100
126 32.7 16.4 49.4

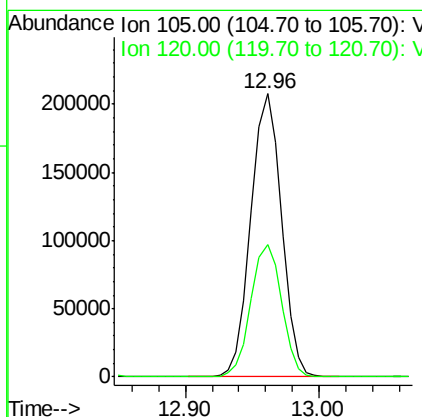
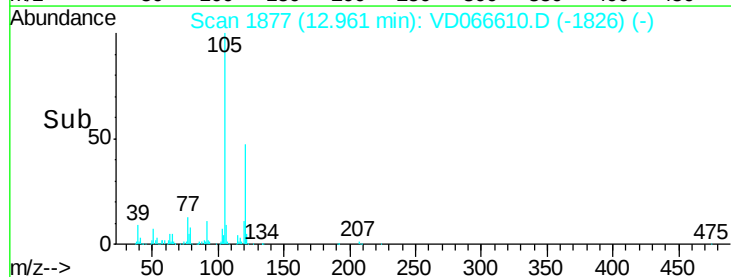
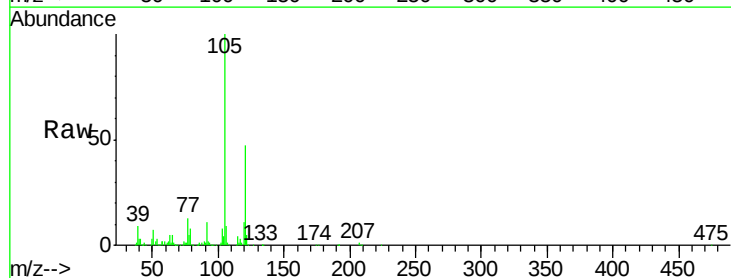
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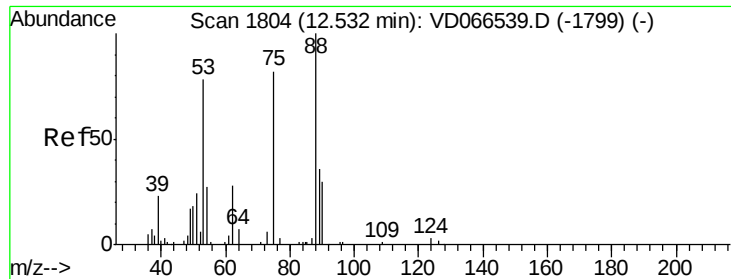
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#80
1,3,5-Trimethylbenzene
Concen: 21.594 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion: 105 Resp: 328466
Ion Ratio Lower Upper
105 100
120 47.3 23.9 71.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.896 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Instrument :

MSVOA_D

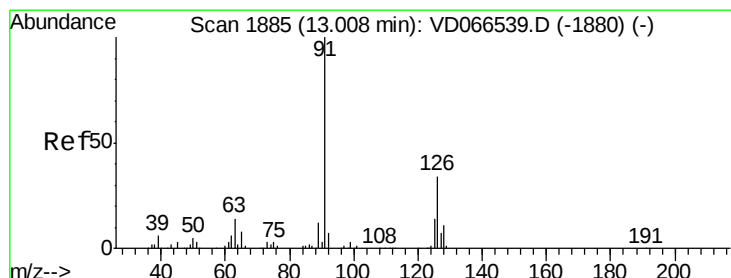
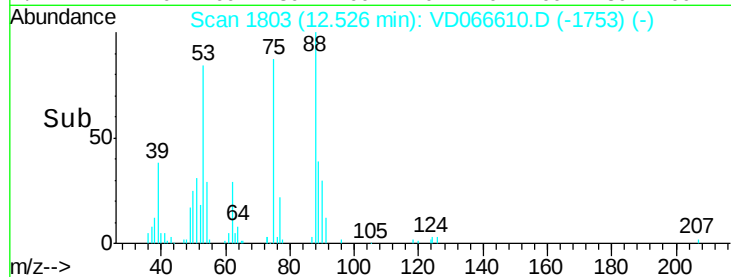
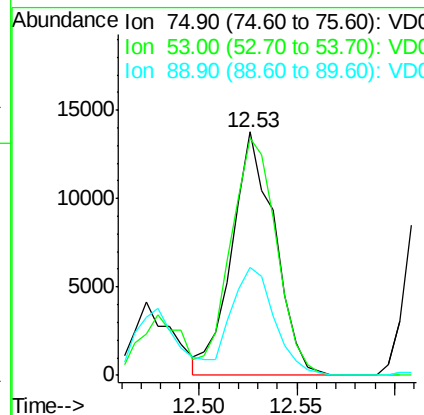
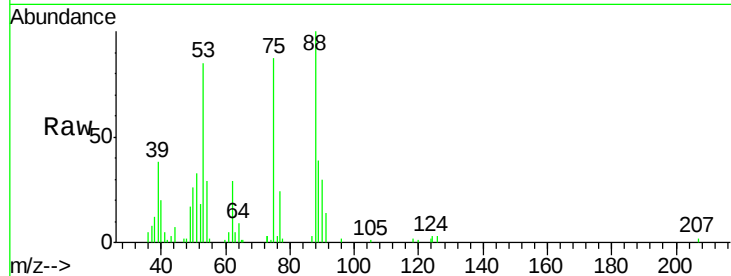
ClientSampleId :

VD0910SBS01

Tot Ion:	75	Resp:	21011
Ion	Ratio	Lower	Upper
75	100		
53	104.1	87.0	130.4
89	45.2	37.1	55.7

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#82

4-Chlorotoluene

Concen: 21.474 ug/l

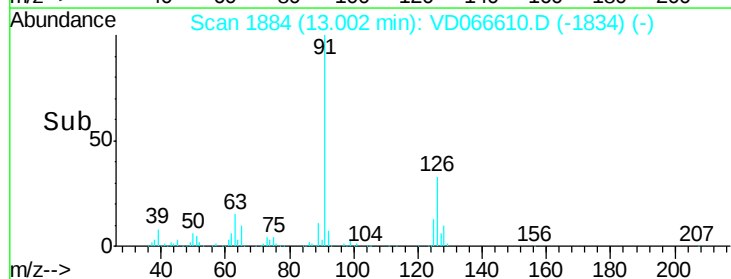
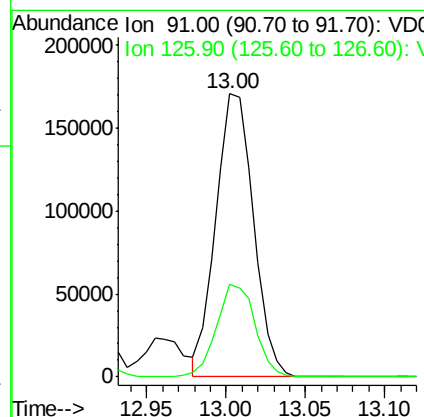
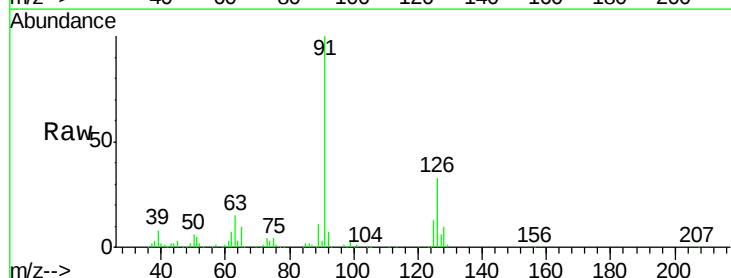
RT: 13.00 min Scan# 1884

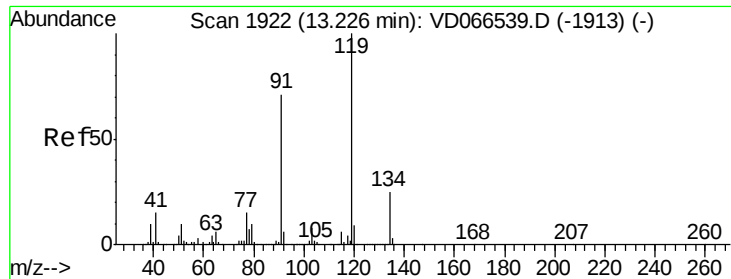
Delta R.T. -0.01 min

Lab File: VD066610.D

Acq: 10 Sep 2020 12:31

Tgt Ion:	91	Resp:	282226
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.4	49.1





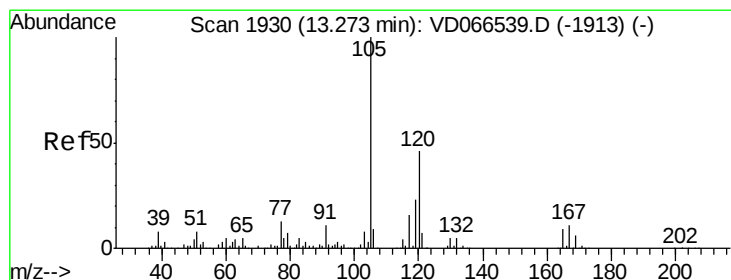
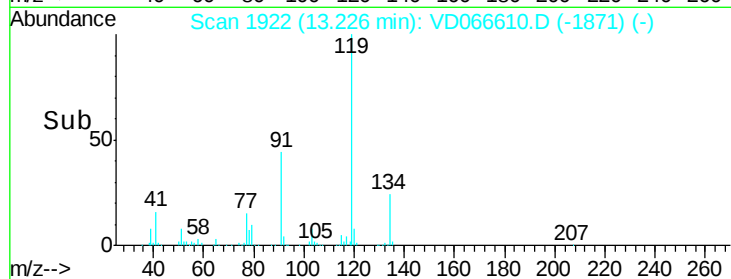
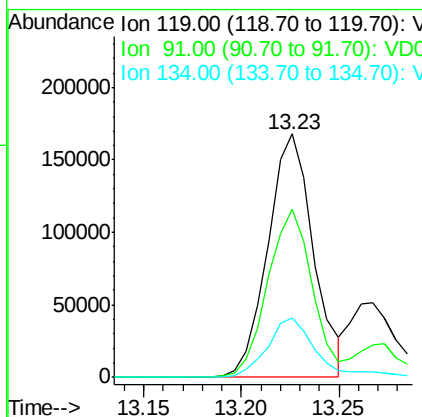
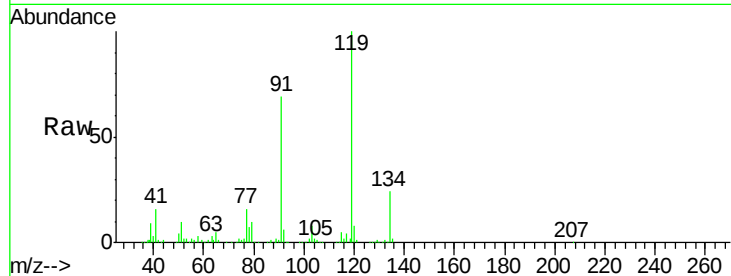
#83
 tert-Butylbenzene
 Concen: 21.893 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	35.2	105.6
134	26.5	13.5	40.5

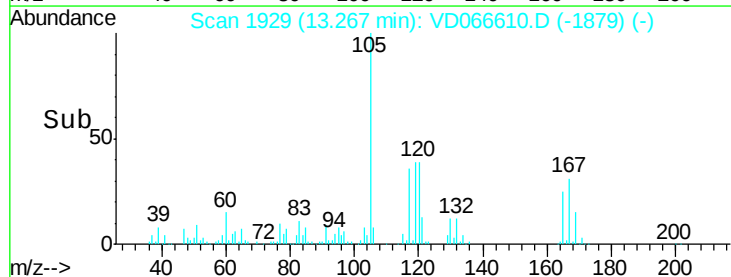
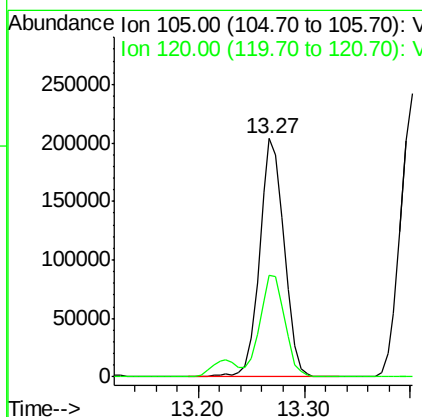
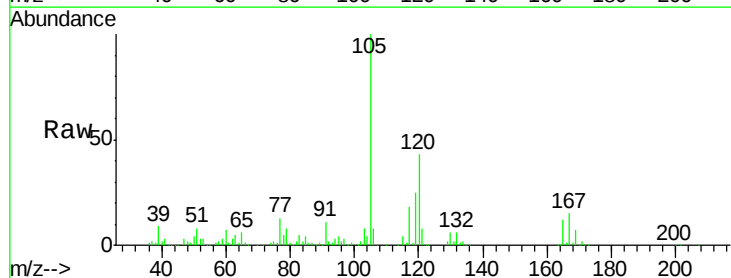
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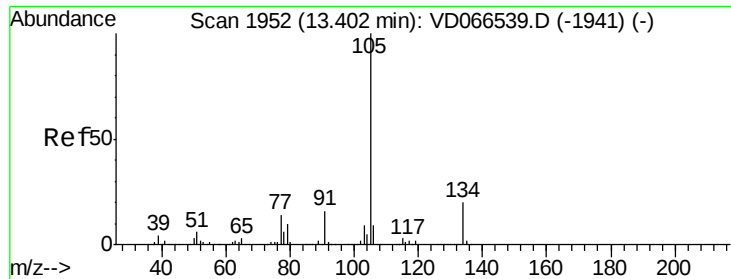
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.747 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.6	67.7





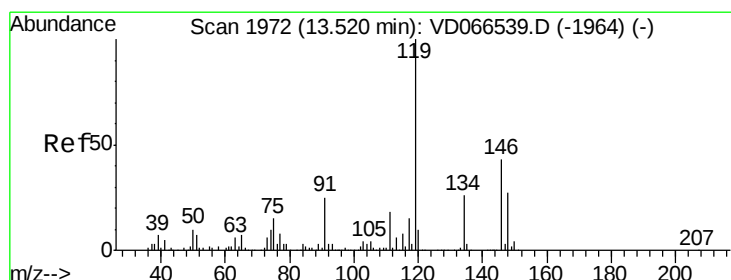
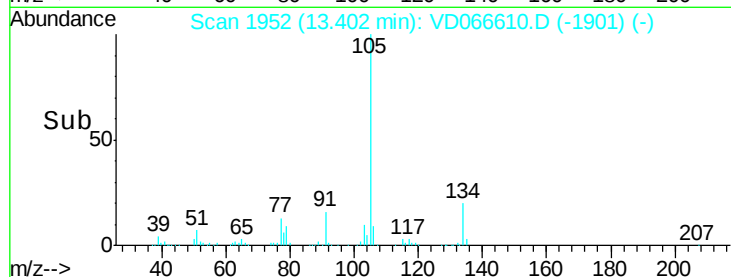
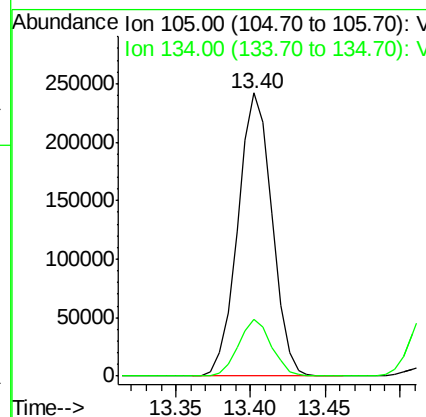
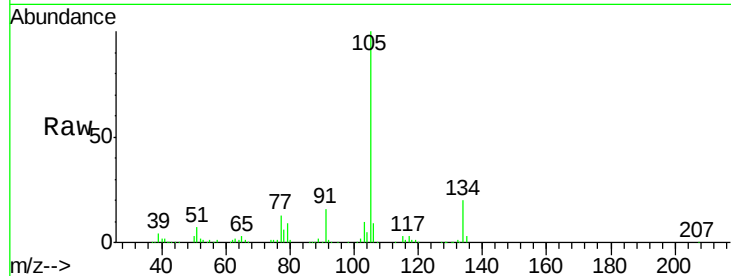
#85
 sec-Butylbenzene
 Concen: 21.538 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	385436		
134	19.4	9.8	29.5	

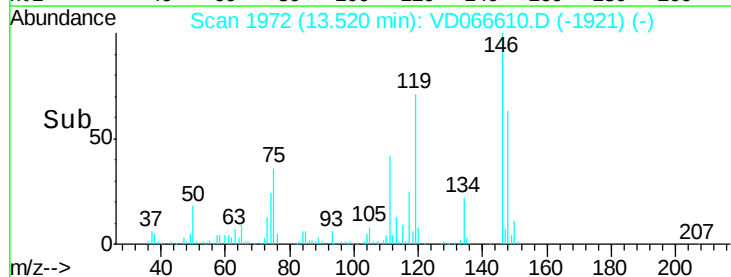
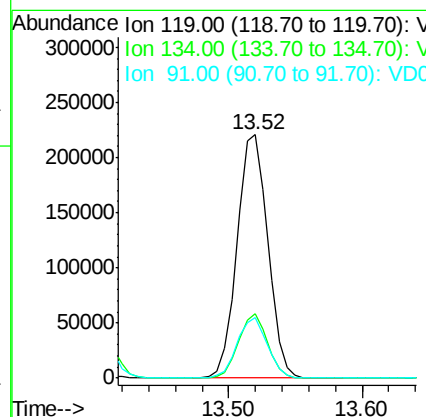
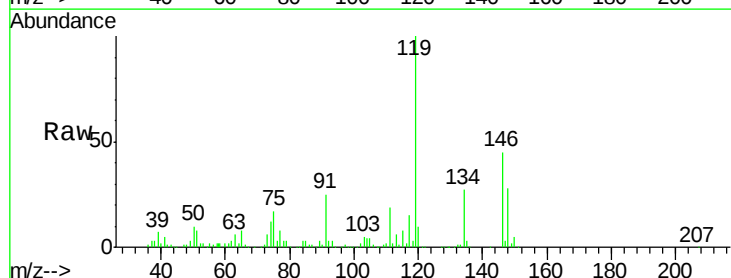
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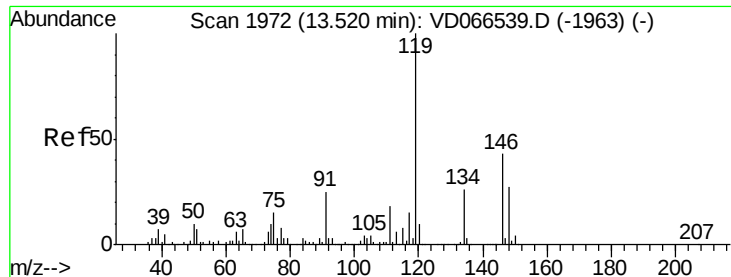
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#86
 p-Isopropyltoluene
 Concen: 21.954 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	353630		
134	25.1	12.7	38.0	
91	24.4	12.5	37.5	





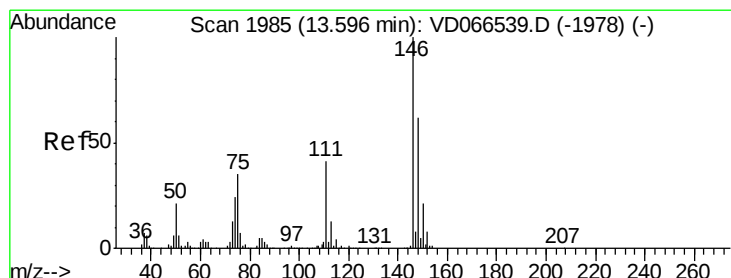
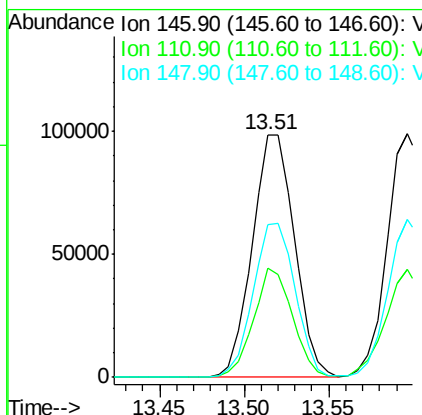
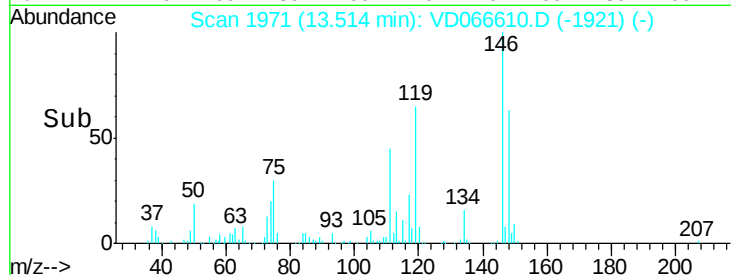
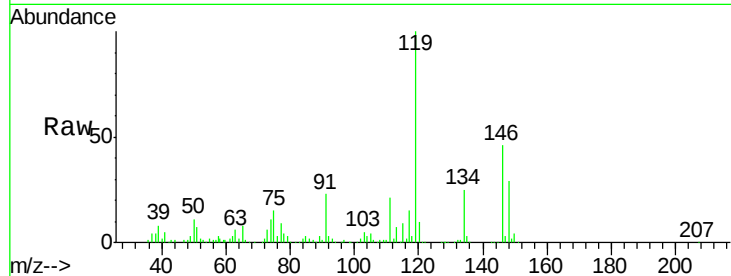
#87
 1,3-Dichlorobenzene
 Concen: 21.403 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.01 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	171198		
111	41.5	20.6	61.9	
148	62.9	32.1	96.3	

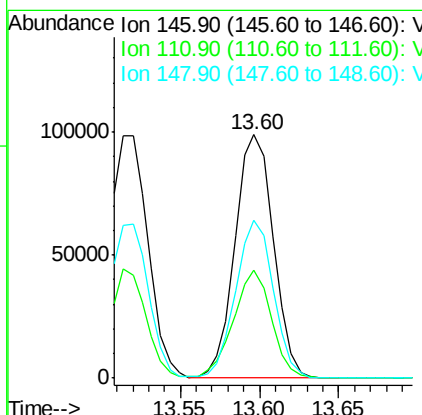
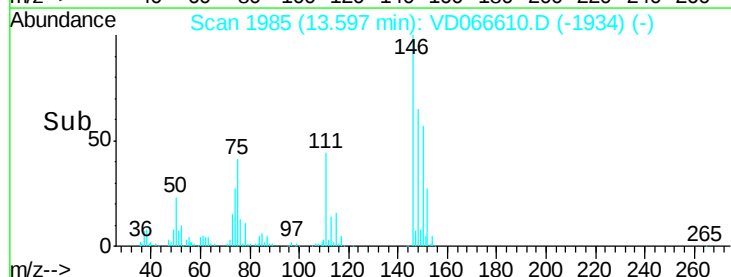
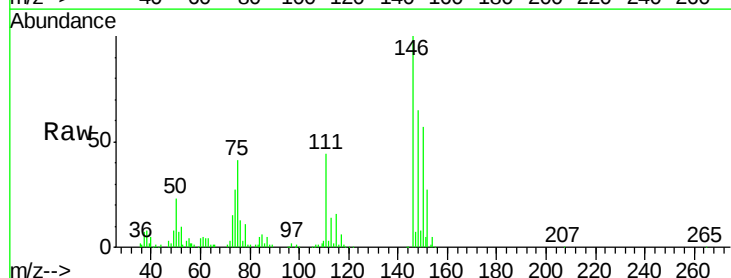
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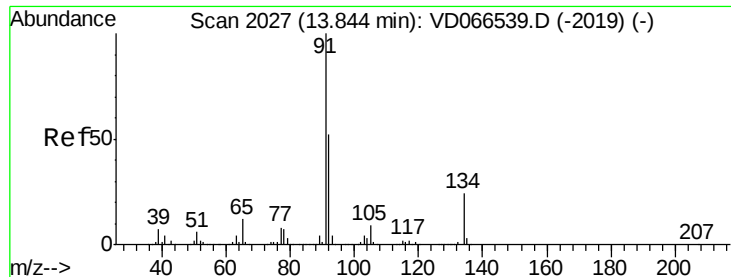
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#88
 1,4-Dichlorobenzene
 Concen: 20.757 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	166644		
111	43.9	20.1	60.2	
148	63.8	31.6	94.8	





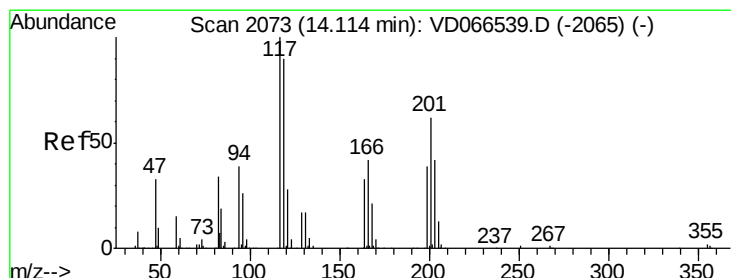
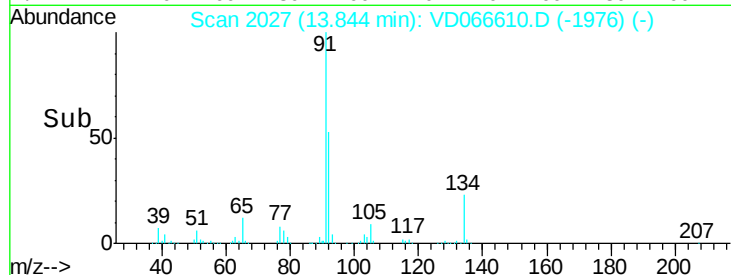
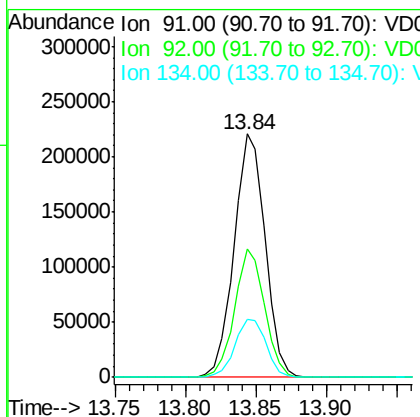
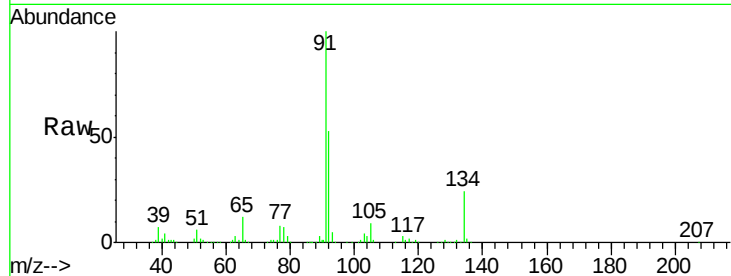
#89
n-Butylbenzene
Concen: 21.500 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	337471		
92	50.9	26.5	79.5	
134	24.0	12.1	36.3	

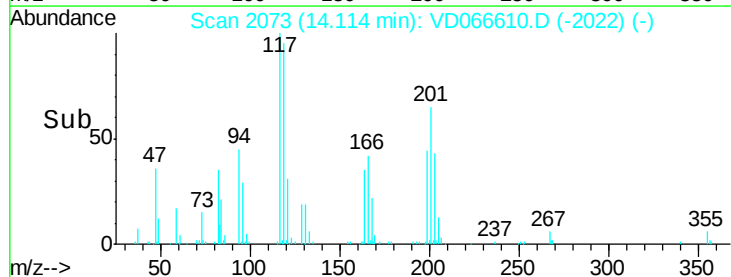
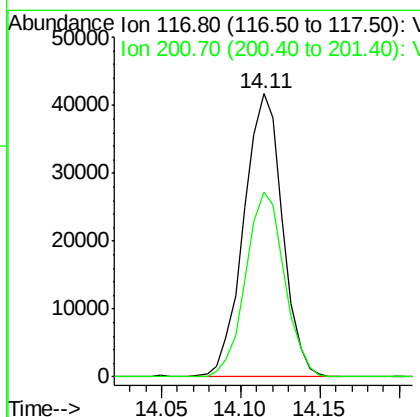
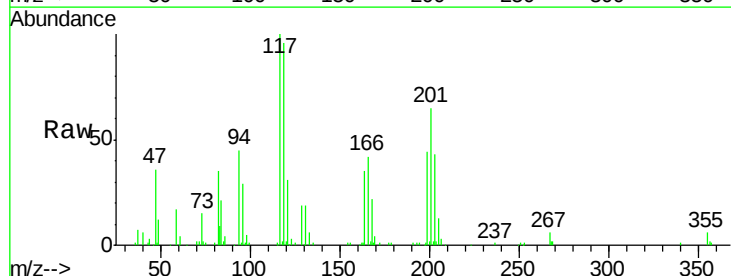
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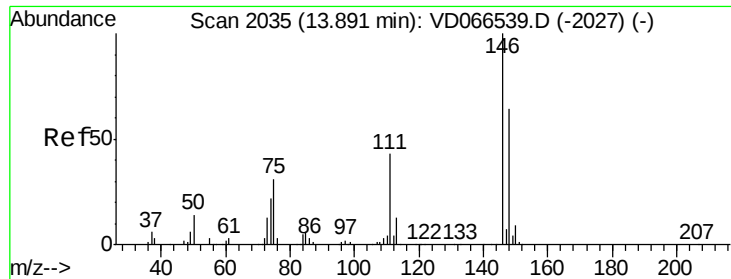
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#90
Hexachloroethane
Concen: 20.395 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	70785		
201	65.4	31.9	95.5	





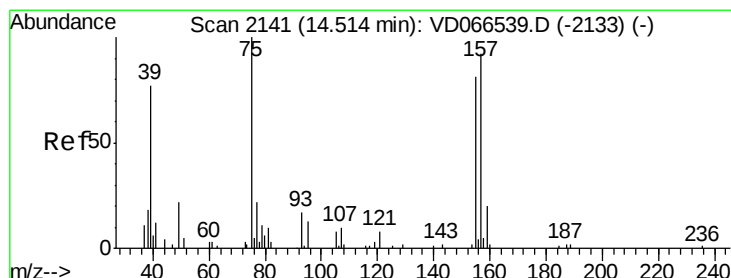
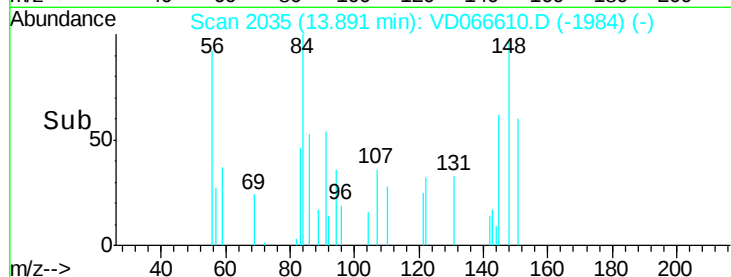
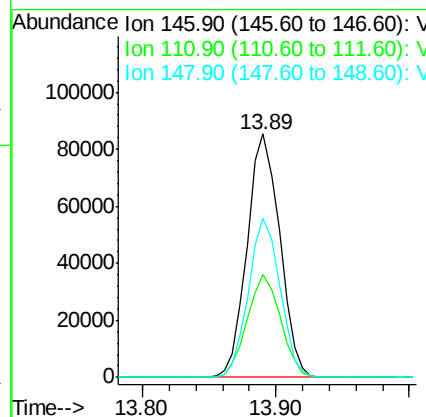
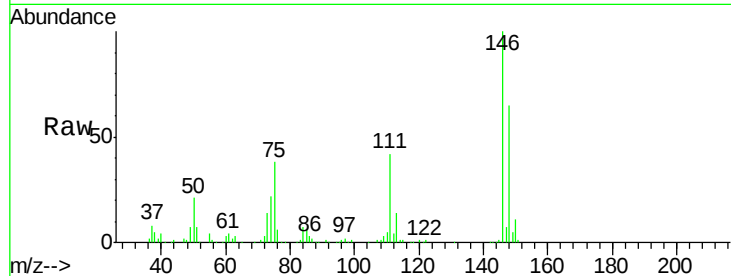
#91
 1,2-Dichlorobenzene
 Concen: 20.624 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0910SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	144191		
111	43.2	21.1	63.4	
148	63.2	31.8	95.3	

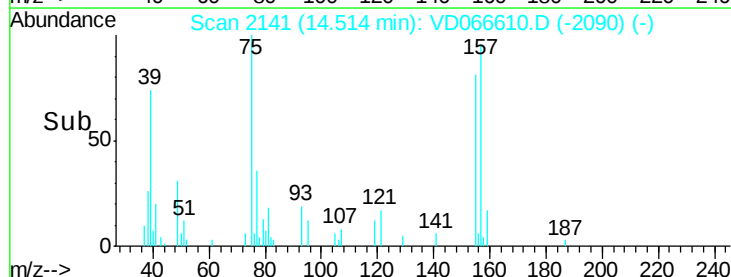
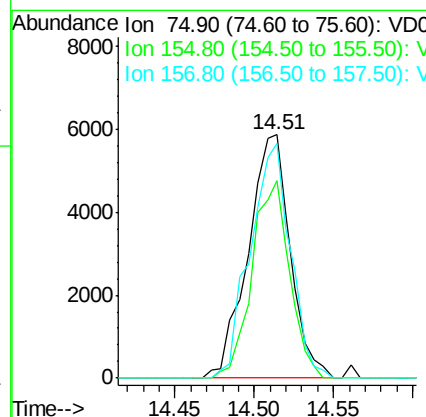
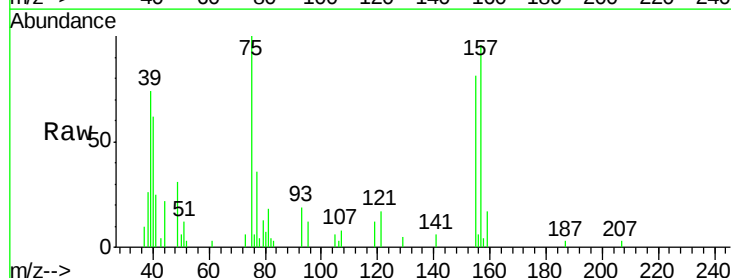
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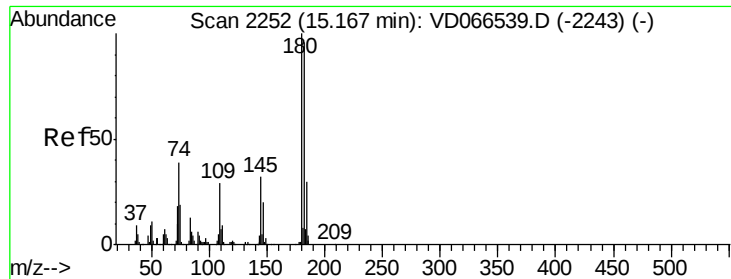
MMDadoda
 9/11/2020 10:17:55 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.053 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066610.D
 Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10876		
155	71.9	39.3	117.8	
157	92.0	46.0	137.8	





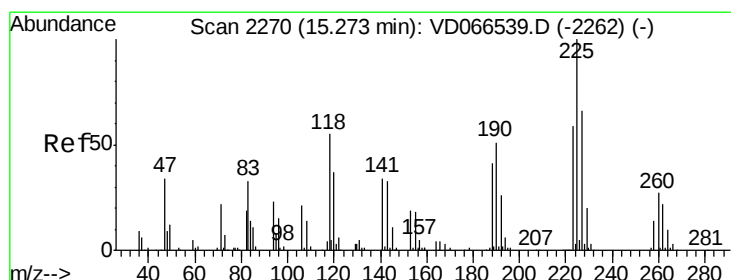
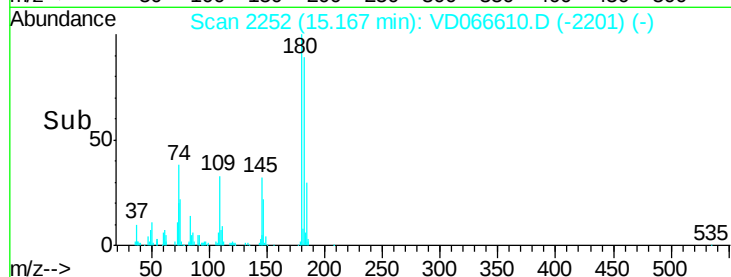
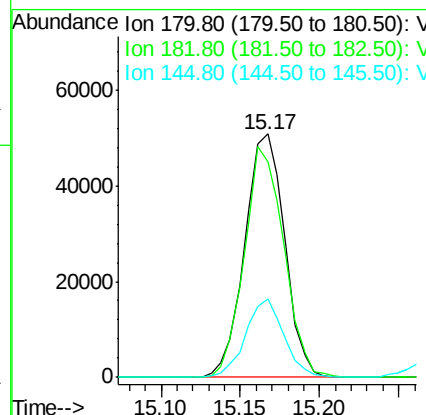
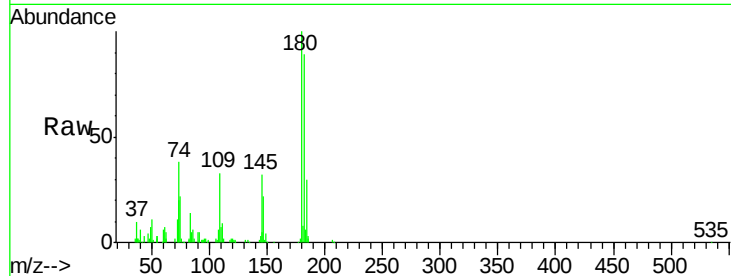
#93
1,2,4-Trichlorobenzene
Concen: 21.209 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.8	48.4	145.0
145	30.8	16.7	50.0

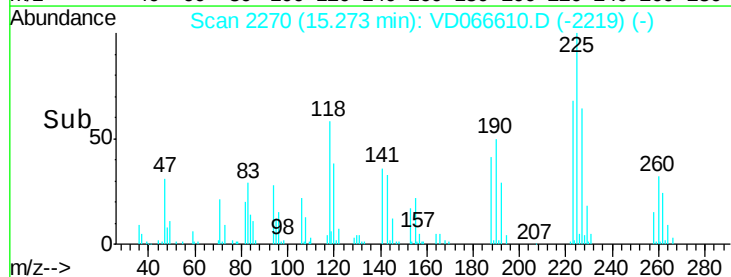
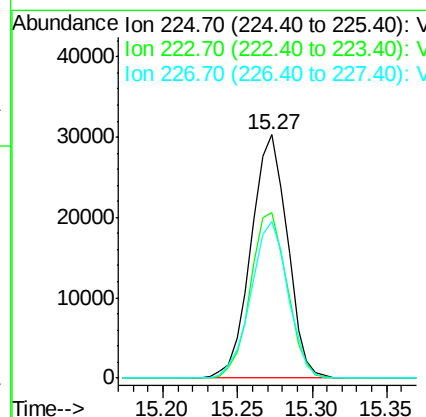
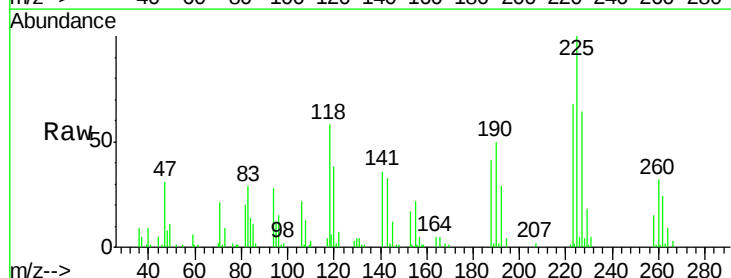
Manual Integrations
APPROVED

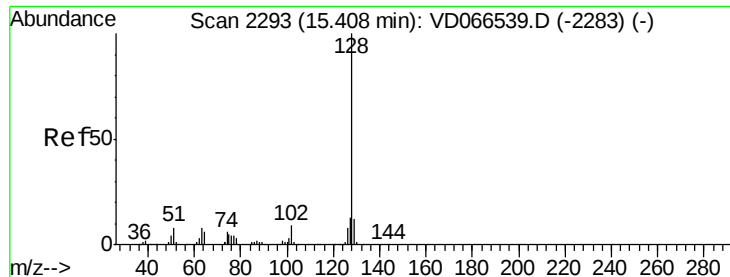
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#94
Hexachlorobutadiene
Concen: 20.222 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	68.6	30.5	91.5
227	65.6	32.4	97.2





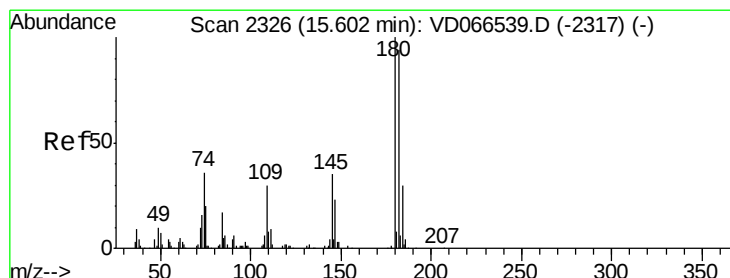
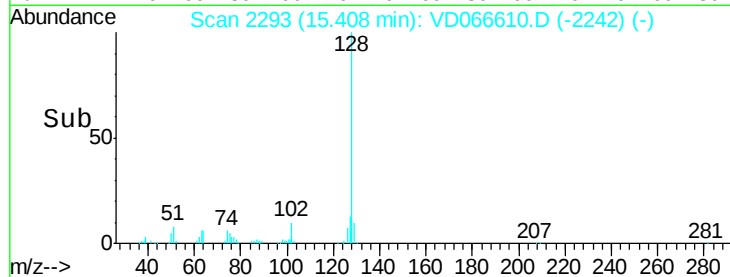
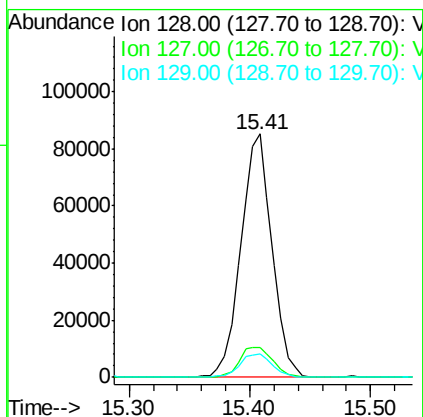
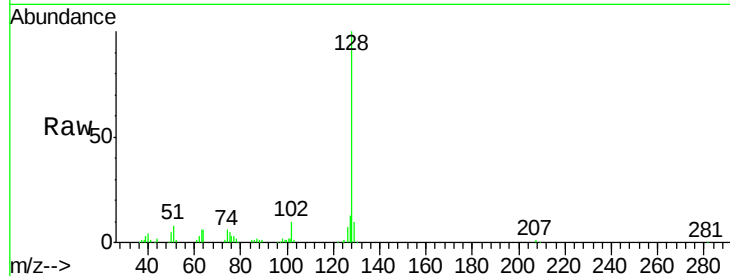
#95
Naphthalene
Concen: 20.792 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0910SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.7	16.1
129	9.9	9.1	13.7

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 21.290 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066610.D
Acq: 10 Sep 2020 12:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.9	143.6
145	36.3	17.3	51.7

