

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064036.D
 Acq On : 23 Oct 2019 22:25
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:53:07 PM

Quant Time: Oct 24 07:06:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	131606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	218288	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	231012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	135768	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	73038	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	
35) Dibromofluoromethane	7.93	113	73408	55.03	ug/l	0.01
Spiked Amount	50.000		Recovery	=	110.06%	
50) Toluene-d8	10.34	98	303134	55.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.96%	
62) 4-Bromofluorobenzene	12.64	95	107023	56.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.76%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	36041	38.616	ug/l	94
3) Chloromethane	2.21	50	133208	53.110	ug/l	100
4) Vinyl Chloride	2.35	62	154382	51.179	ug/l	96
5) Bromomethane	2.77	94	98168	50.621	ug/l	90
6) Chloroethane	2.93	64	107445	53.859	ug/l	99
7) Trichlorofluoromethane	3.28	101	219601	55.062	ug/l	92
8) Diethyl Ether	3.71	74	32079	50.112	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	45651	41.351	ug/l	96
10) Methyl Iodide	4.30	142	58082	38.181	ug/l	98
11) Tert butyl alcohol	5.24	59	22157	248.881	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	41981	38.062	ug/l	98
13) Acrolein	3.92	56	38665	337.873	ug/l	97
14) Allyl chloride	4.71	41	90935	49.589	ug/l	93
15) Acrylonitrile	5.43	53	87596	310.371	ug/l	99
16) Acetone	4.17	43	72673	217.853	ug/l #	84
17) Carbon Disulfide	4.41	76	152586	38.057	ug/l	99
18) Methyl Acetate	4.73	43	42220	64.709	ug/l	91
19) Methyl tert-butyl Ether	5.49	73	151370	52.998	ug/l	95
20) Methylene Chloride	4.97	84	73144	49.378	ug/l	92
21) trans-1,2-Dichloroethene	5.48	96	65001	47.340	ug/l	95
22) Diisopropyl ether	6.37	45	214119	57.173	ug/l	93
23) Vinyl Acetate	6.31	43	646814	290.322	ug/l	100
24) 1,1-Dichloroethane	6.27	63	124835	54.115	ug/l	98
25) 2-Butanone	7.22	43	113026	285.897	ug/l	92
26) 2,2-Dichloropropane	7.21	77	93364	44.741	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	82683	53.202	ug/l	99
28) Bromochloromethane	7.56	49	59500	67.177	ug/l	98
29) Tetrahydrofuran	7.57	42	67813	293.879	ug/l	97
30) Chloroform	7.71	83	140862	56.221	ug/l	93
31) Cyclohexane	7.98	56	103982	54.912	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	112759	52.465	ug/l	96
36) 1,1-Dichloropropene	8.11	75	98512	49.358	ug/l	98
37) Ethyl Acetate	7.30	43	46136	58.311	ug/l	99
38) Carbon Tetrachloride	8.10	117	99327	49.247	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	116320	47.400	ug/l	95
40) Benzene	8.35	78	304749	53.282	ug/l	98
41) Methacrylonitrile	7.53	41	26882	58.094	ug/l	88
42) 1,2-Dichloroethane	8.43	62	88350	53.401	ug/l	97
43) Isopropyl Acetate	8.46	43	89448	53.440	ug/l	97
44) Trichloroethene	9.12	130	82446	49.989	ug/l	95
45) 1,2-Dichloropropane	9.39	63	76814	54.869	ug/l	98
46) Dibromomethane	9.48	93	45462	57.021	ug/l	99
47) Bromodichloromethane	9.67	83	111307	54.224	ug/l	99
48) Methyl methacrylate	9.46	41	40458	50.448	ug/l	94
49) 1,4-Dioxane	9.47	88	12859	1181.578	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	252593	290.982	ug/l	96
52) Toluene	10.41	92	220034	56.040	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	108686	54.260	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	122776	53.248	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	68063	60.461	ug/l	90
56) Ethyl methacrylate	10.67	69	80857	56.719	ug/l	97
57) 1,3-Dichloropropane	10.95	76	112832	58.581	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	178796	291.784	ug/l	98
59) 2-Hexanone	10.99	43	178089	283.610	ug/l	99
60) Dibromochloromethane	11.14	129	85181	58.121	ug/l	98
61) 1,2-Dibromoethane	11.26	107	65207	59.749	ug/l	98
64) Tetrachloroethene	10.88	164	82063	52.035	ug/l	94
65) Chlorobenzene	11.67	112	245935	53.011	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	92934	54.364	ug/l	99
67) Ethyl Benzene	11.75	91	438777	52.450	ug/l	99
68) m/p-Xylenes	11.86	106	350798	108.641	ug/l	97
69) o-Xylene	12.18	106	163509	52.884	ug/l	98
70) Styrene	12.20	104	287582	54.944	ug/l	99
71) Bromoform	12.36	173	53350	58.151	ug/l #	98
73) Isopropylbenzene	12.48	105	429750	47.086	ug/l	96
74) N-amyl acetate	12.30	43	90057	45.829	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	82267	51.798	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	45650m	50.201	ug/l	
77) Bromobenzene	12.77	156	116998	51.452	ug/l	95
78) n-propylbenzene	12.83	91	522942	48.813	ug/l	98
79) 2-Chlorotoluene	12.91	91	286516	48.503	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	380270	49.941	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23231	45.208	ug/l	97
82) 4-Chlorotoluene	13.01	91	303111	48.371	ug/l	98
83) tert-Butylbenzene	13.23	119	338046	49.884	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	395460	50.377	ug/l	99
85) sec-Butylbenzene	13.40	105	453373	49.540	ug/l	100
86) p-Isopropyltoluene	13.52	119	432247	49.913	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	231007	51.414	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	231766	52.287	ug/l	97
89) n-Butylbenzene	13.85	91	400075	49.632	ug/l	97
90) Hexachloroethane	14.11	117	81276	52.182	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	200955	51.899	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12445	50.455	ug/l	83

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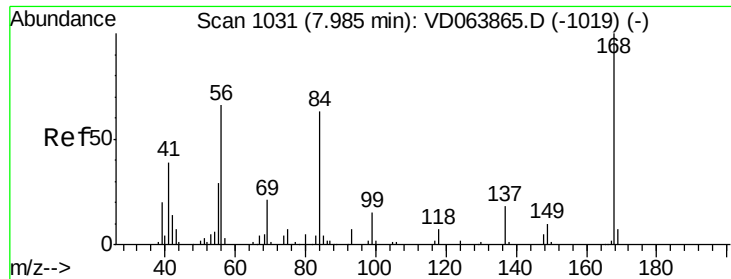
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	145439	48.680	ug/l	100
94) Hexachlorobutadiene	15.27	225	81995	49.733	ug/l	99
95) Naphthalene	15.41	128	273412	54.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	133796	51.904	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 131606

Ion Ratio Lower Upper

168 100

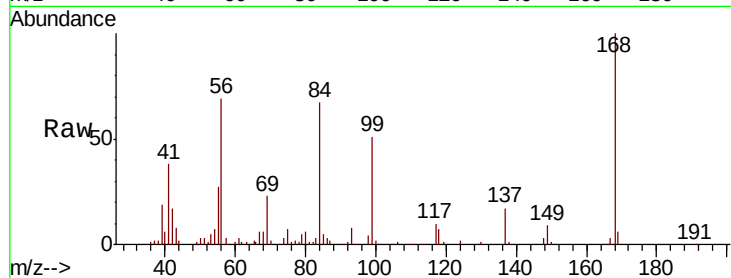
99 49.8 43.0 64.4

Manual Integrations

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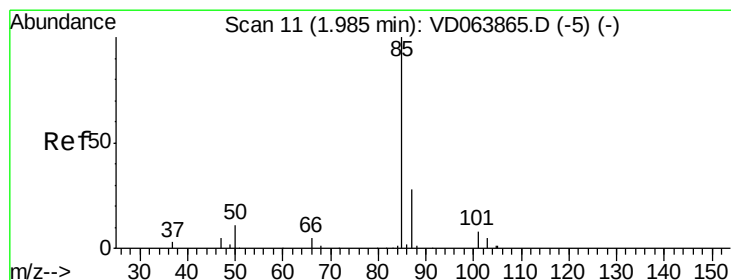
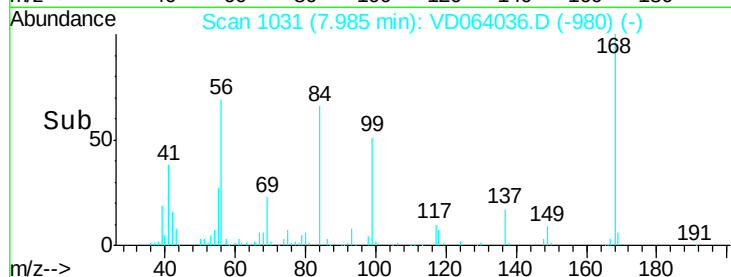
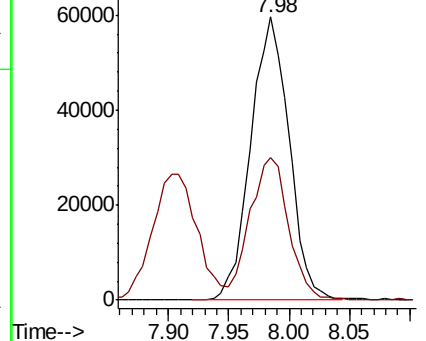
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 38.616 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD064036.D

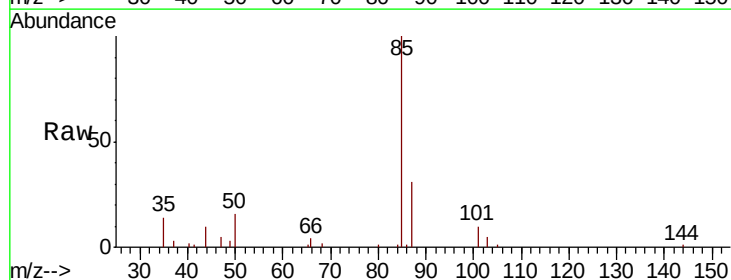
Acq: 23 Oct 2019 22:25

Tgt Ion: 85 Resp: 36041

Ion Ratio Lower Upper

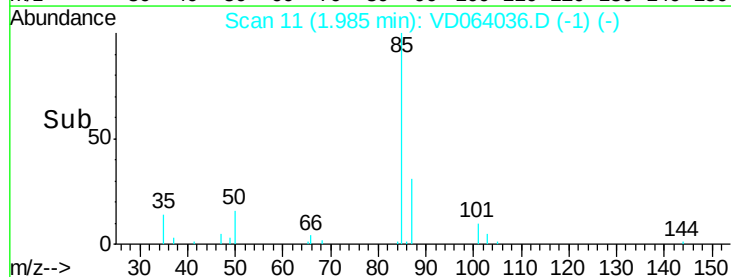
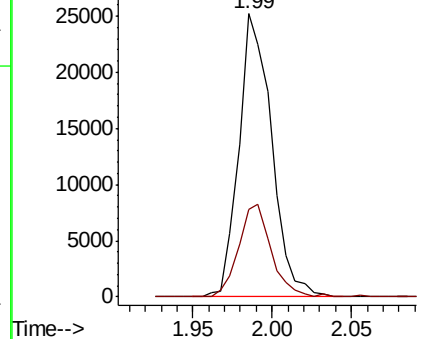
85 100

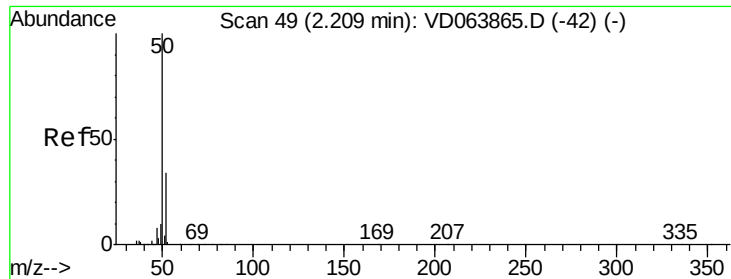
87 30.9 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 53.110 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 133208

Ion Ratio Lower Upper

50 100

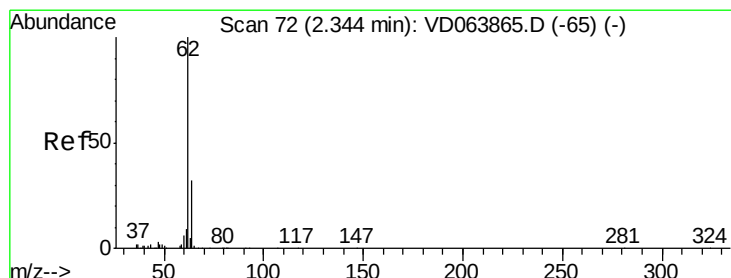
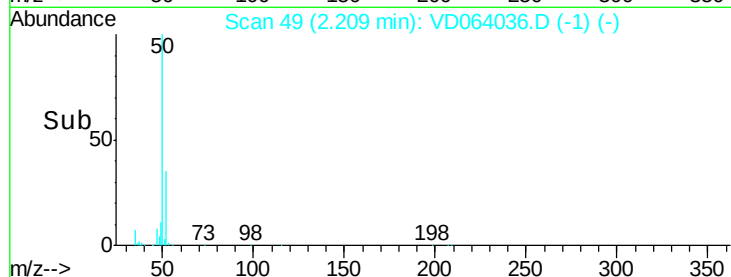
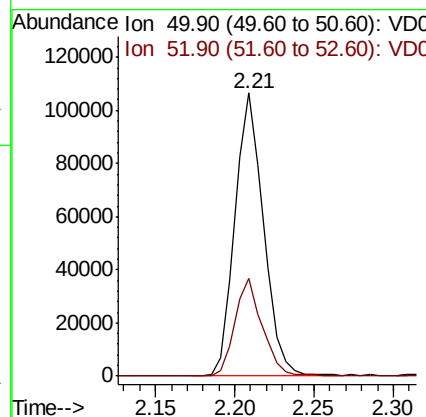
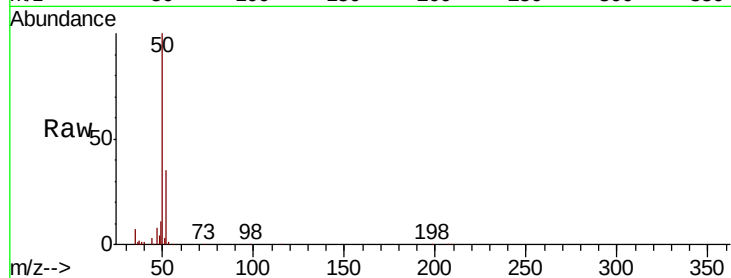
52 34.7 27.5 41.3

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#4

Vinyl Chloride

Concen: 51.179 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD064036.D

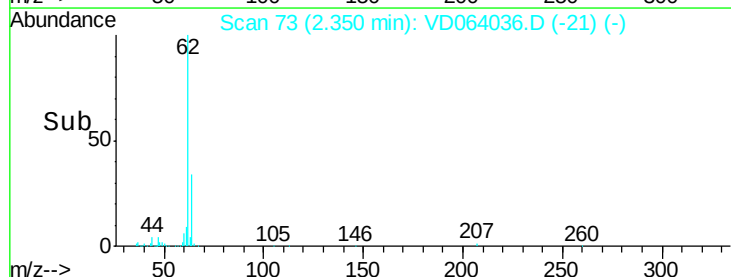
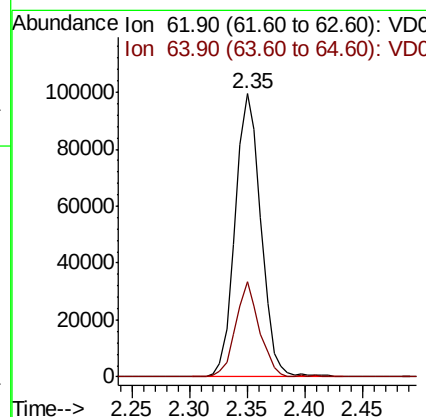
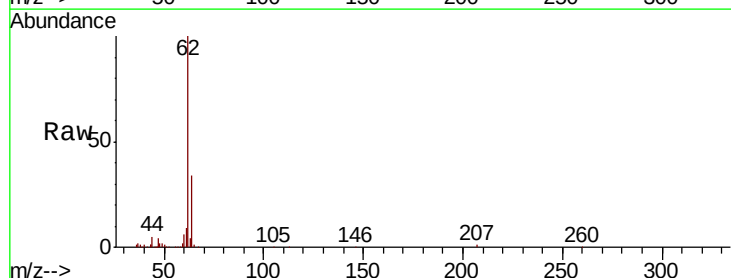
Acq: 23 Oct 2019 22:25

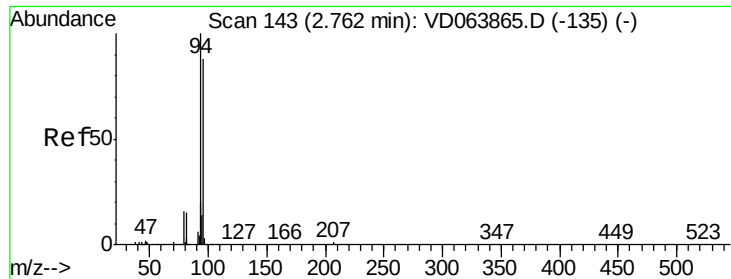
Tgt Ion: 62 Resp: 154382

Ion Ratio Lower Upper

62 100

64 33.8 25.4 38.0





#5

Bromomethane

Concen: 50.621 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 98168

Ion Ratio Lower Upper

94 100

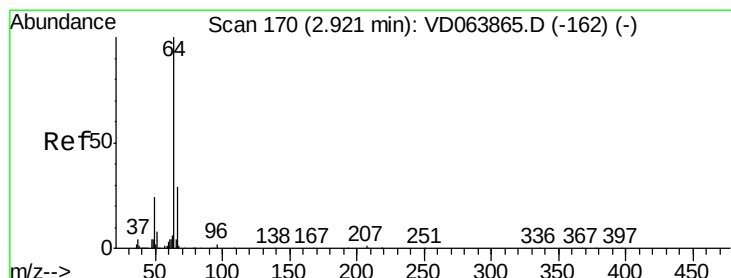
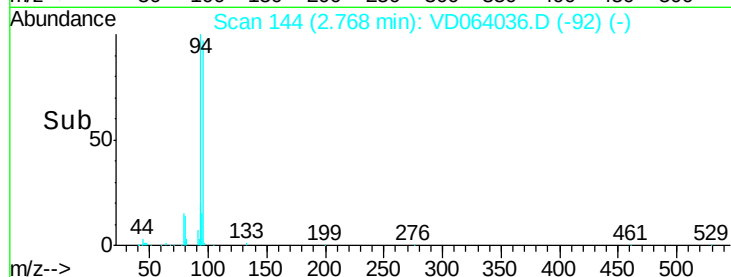
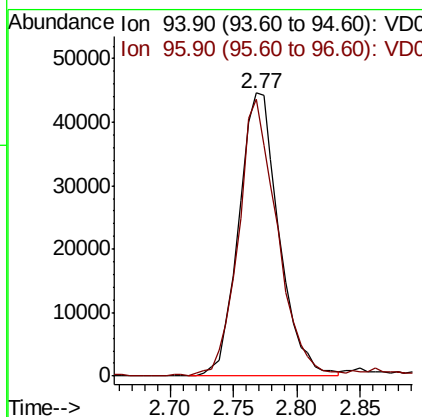
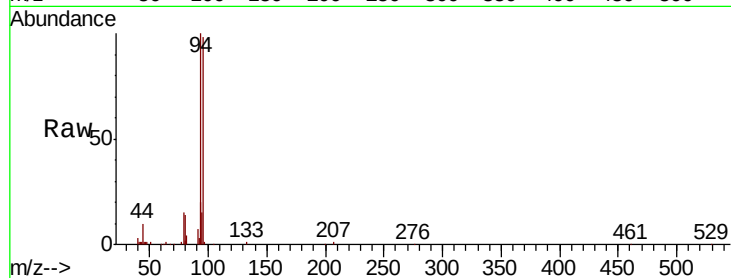
96 97.7 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 53.859 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064036.D

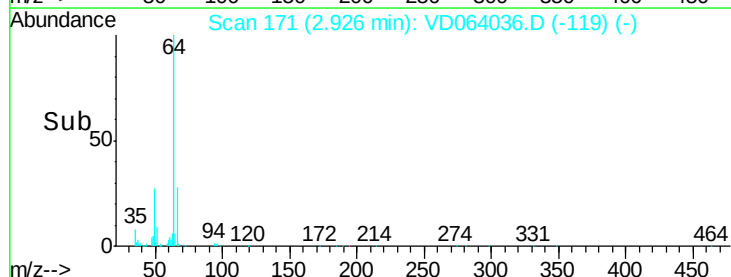
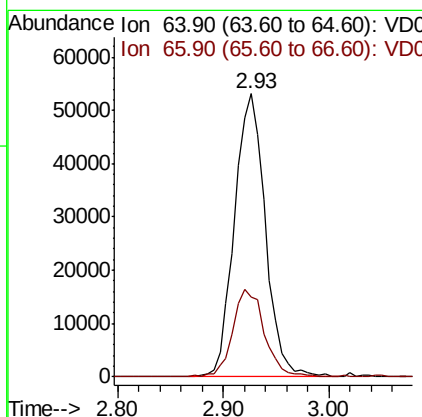
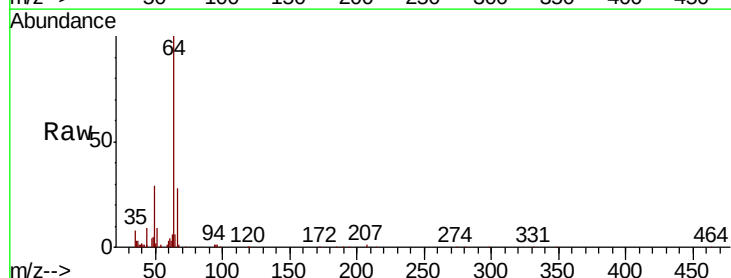
Acq: 23 Oct 2019 22:25

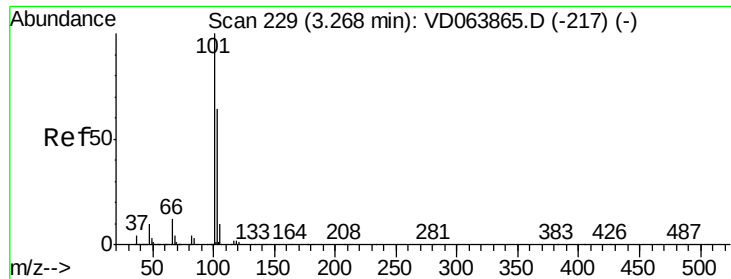
Tgt Ion: 64 Resp: 107445

Ion Ratio Lower Upper

64 100

66 28.4 23.0 34.4





#7

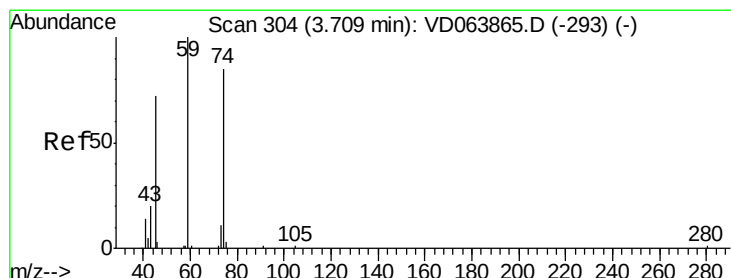
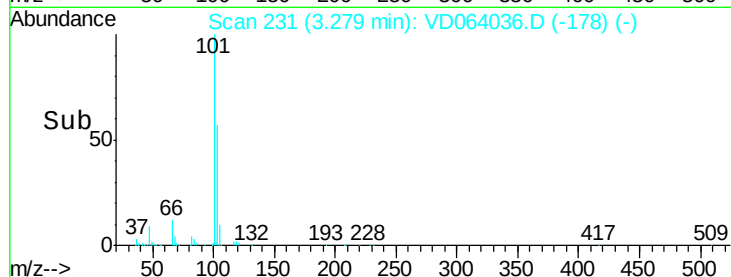
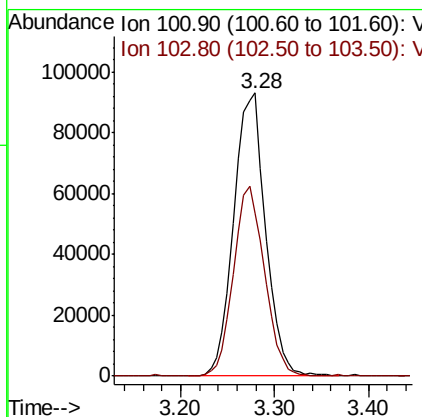
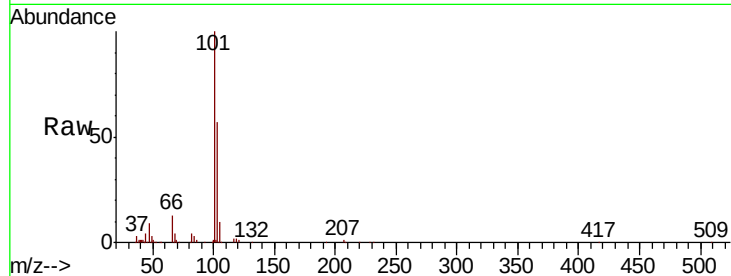
Trichlorofluoromethane
 Concen: 55.062 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.5	51.1	76.7

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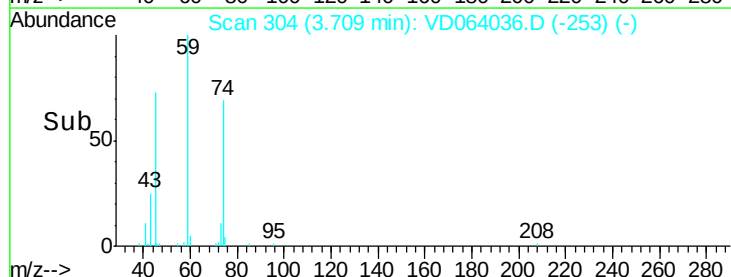
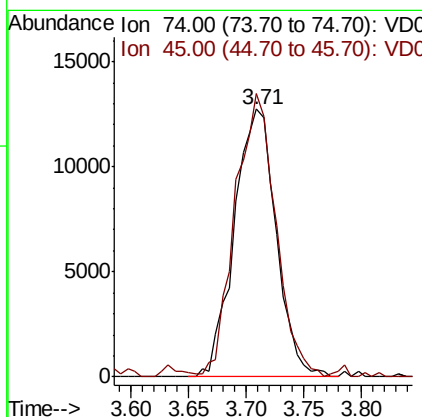
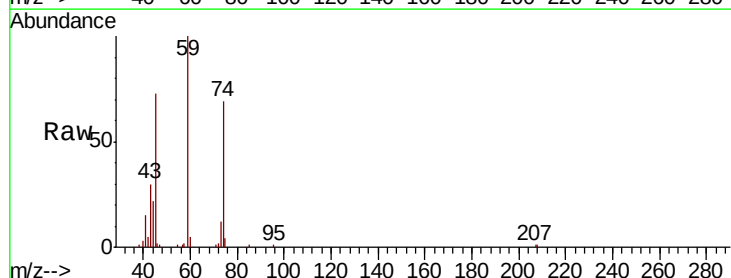
MMDadoda
 10/24/2019 4:53:07 PM

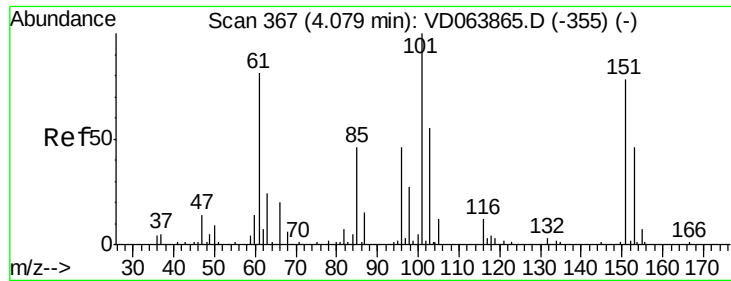


#8

Diethyl Ether
 Concen: 50.112 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.2	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.351 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

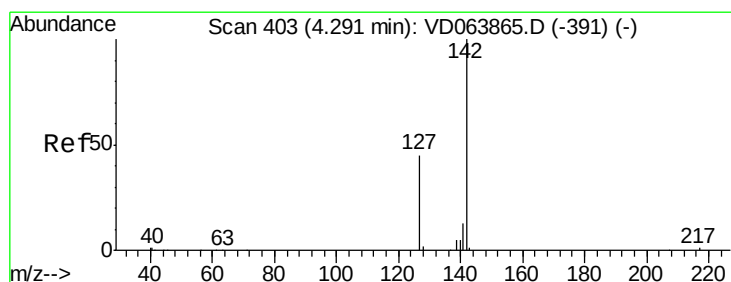
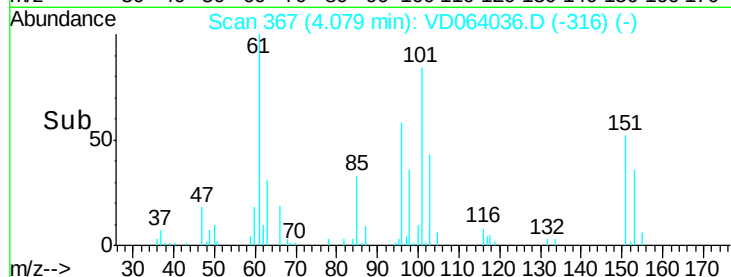
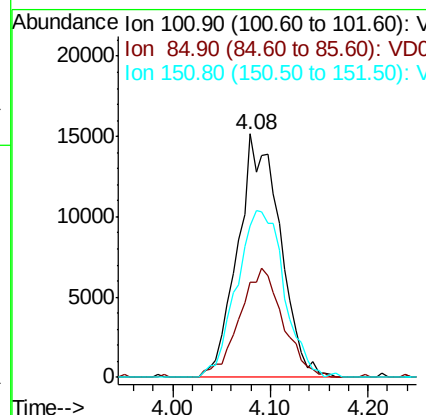
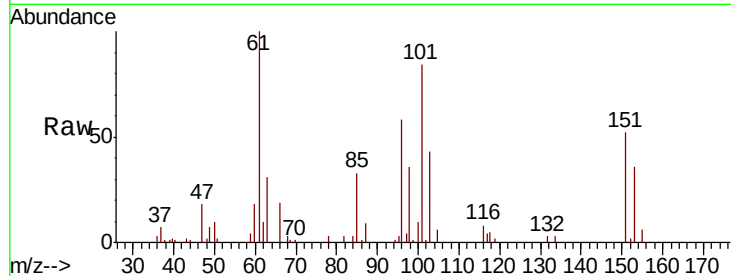
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	45651
Ion Ratio	Lower	Upper	
101	100		
85	46.4	37.5	56.3
151	76.8	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 38.181 ug/l

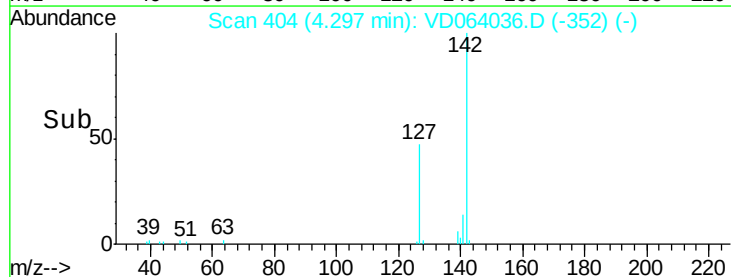
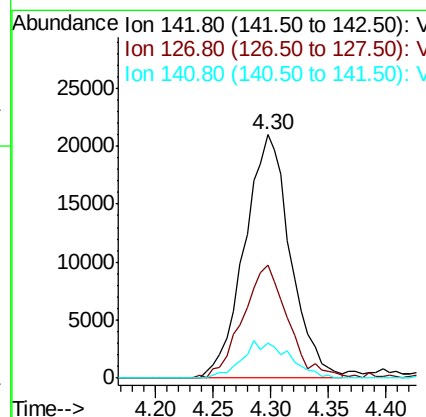
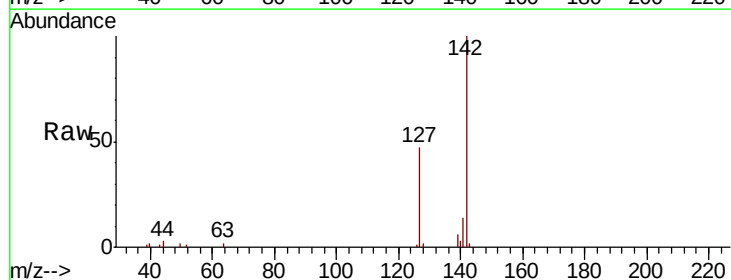
RT: 4.30 min Scan# 404

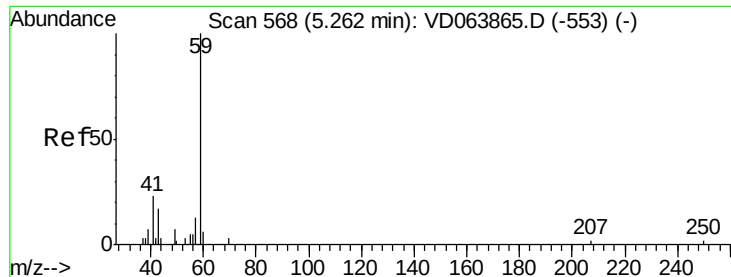
Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Tgt Ion:	142	Resp:	58082
Ion Ratio	Lower	Upper	
142	100		
127	45.7	35.3	52.9
141	15.5	12.2	18.2





#11

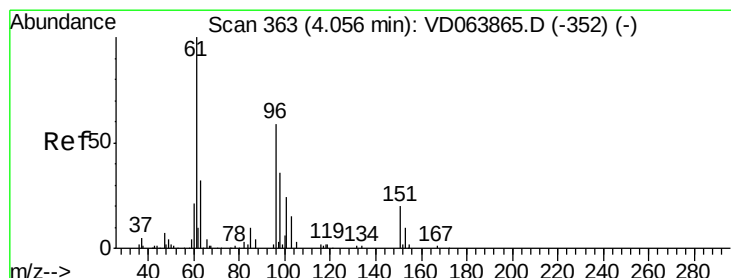
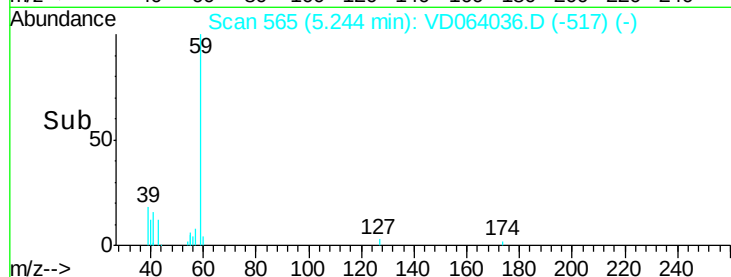
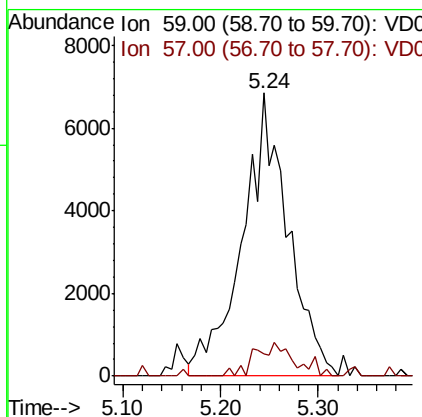
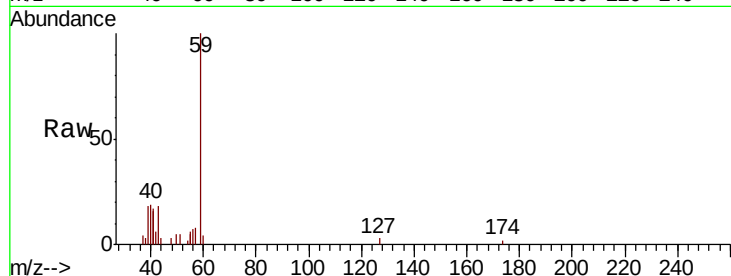
Tert butyl alcohol
Concen: 248.881 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#

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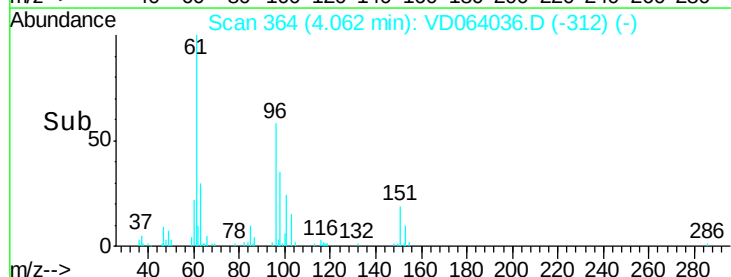
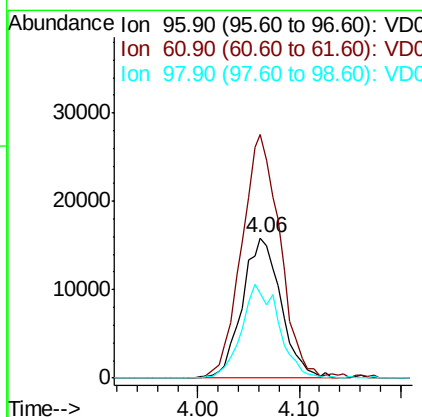
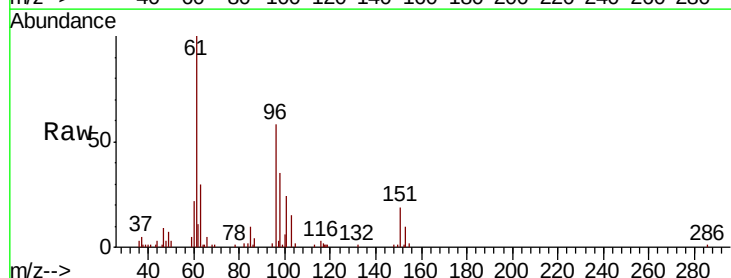
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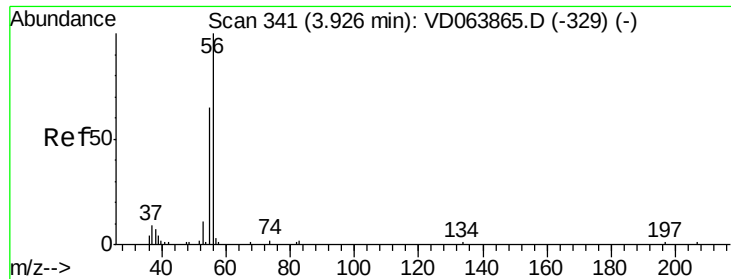


#12

1,1-Dichloroethene
Concen: 38.062 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.3	135.6	203.4
98	60.9	49.2	73.8





#13

Acrolein

Concen: 337.873 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 38665

Ion Ratio Lower Upper

56 100

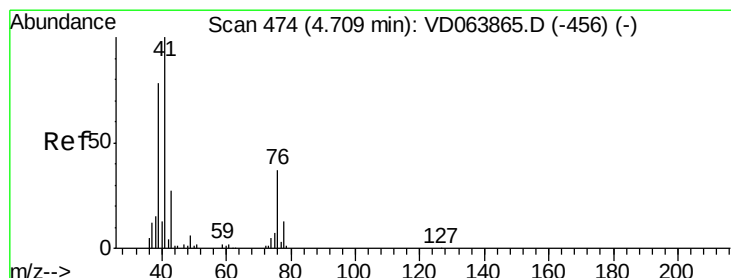
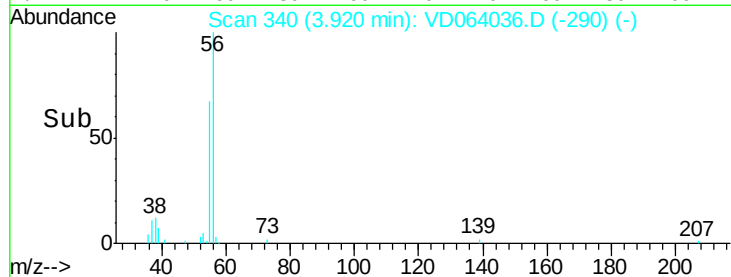
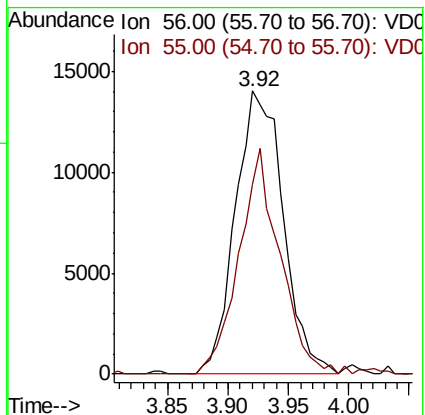
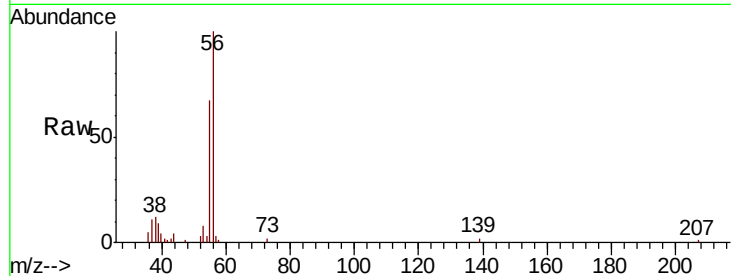
55 68.4 53.0 79.6

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#14

Allyl chloride

Concen: 49.589 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

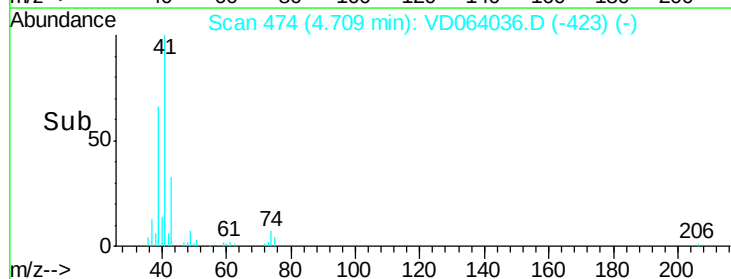
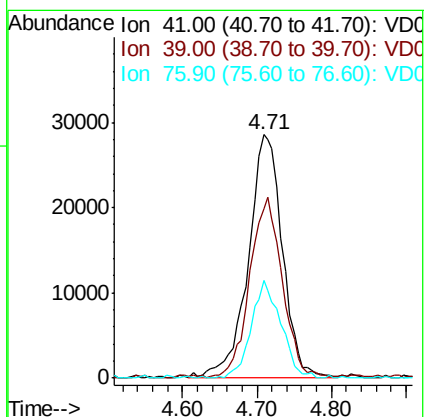
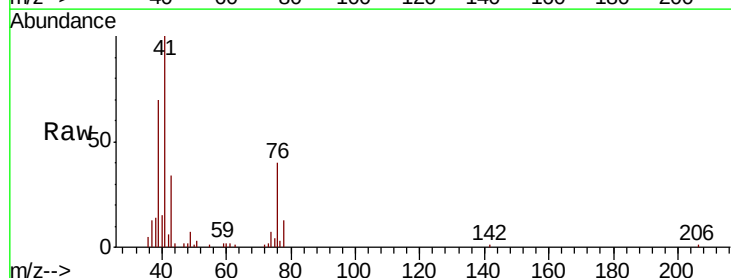
Tgt Ion: 41 Resp: 90935

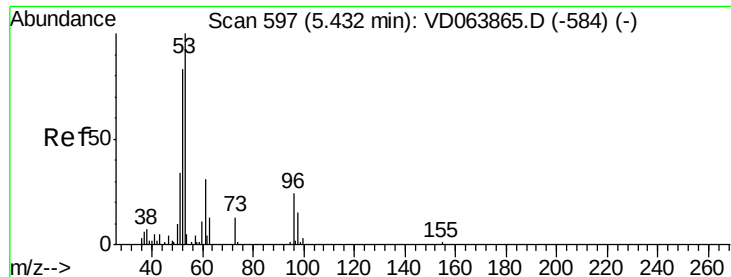
Ion Ratio Lower Upper

41 100

39 71.4 61.8 92.6

76 34.6 31.3 46.9





#15

Acrylonitrile

Concen: 310.371 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

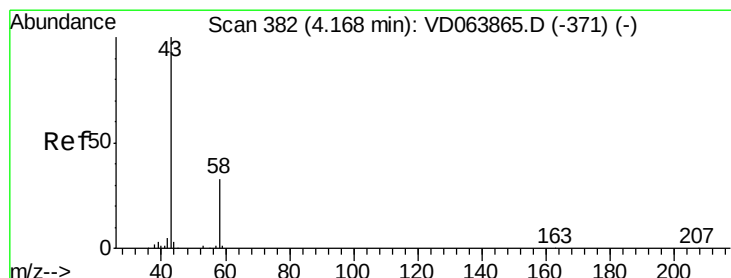
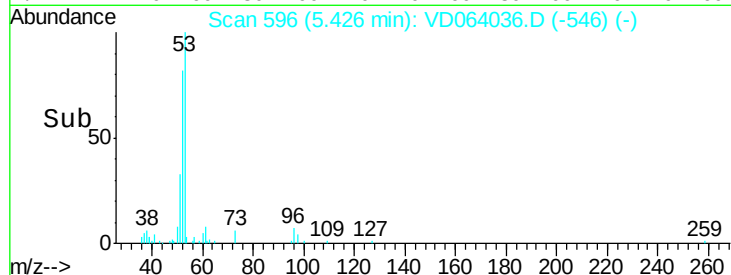
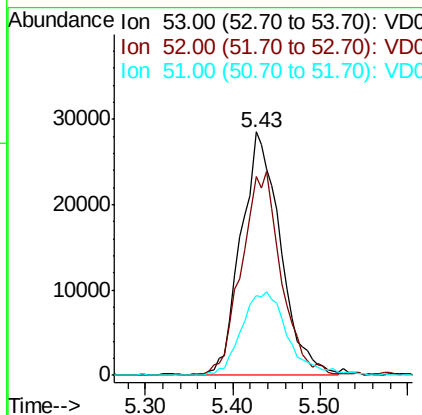
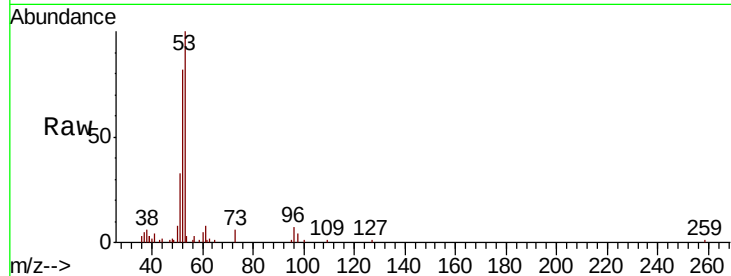
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	87596
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.3	100.9
51	40.2	30.5	45.7

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#16

Acetone

Concen: 217.853 ug/l

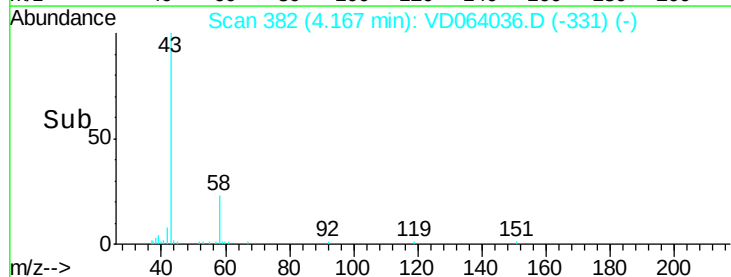
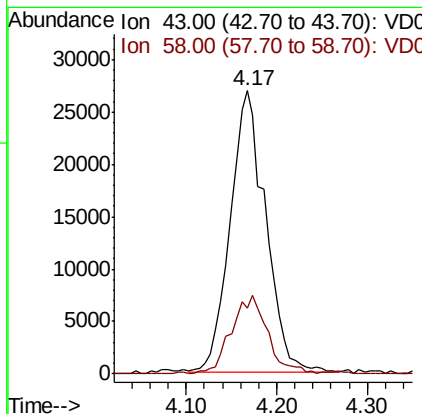
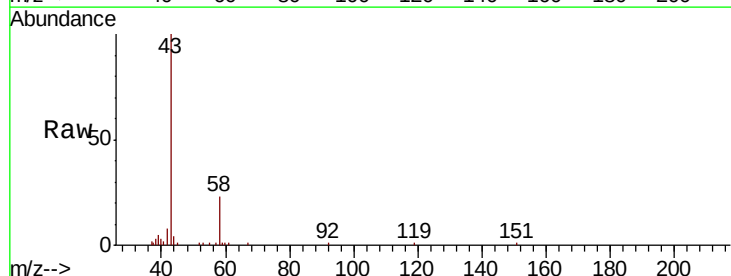
RT: 4.17 min Scan# 382

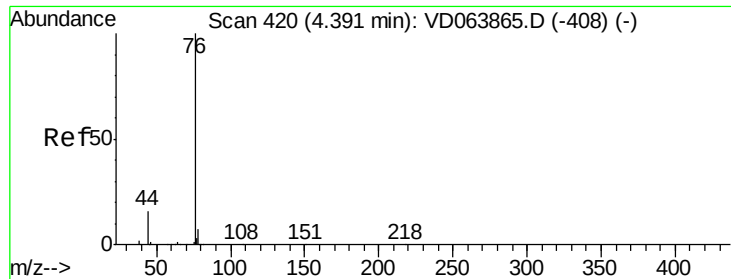
Delta R.T. -0.00 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Tgt Ion:	43	Resp:	72673
Ion	Ratio	Lower	Upper
43	100		
58	23.5	26.2	39.4#





#17

Carbon Disulfide

Concen: 38.057 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.02 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 152586

Ion Ratio Lower Upper

76 100

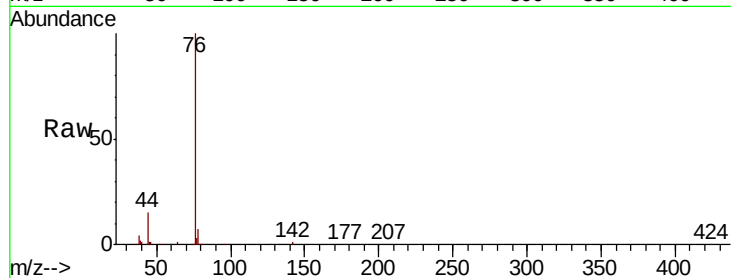
78 7.5 5.8 8.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

60000

50000

40000

30000

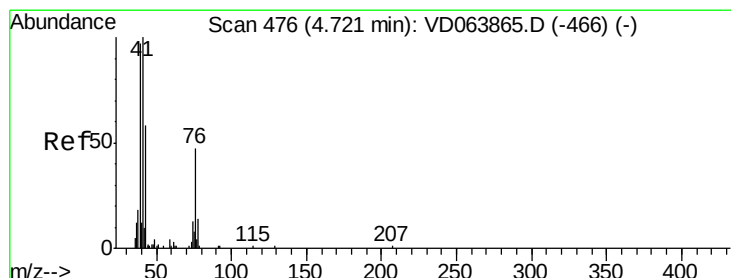
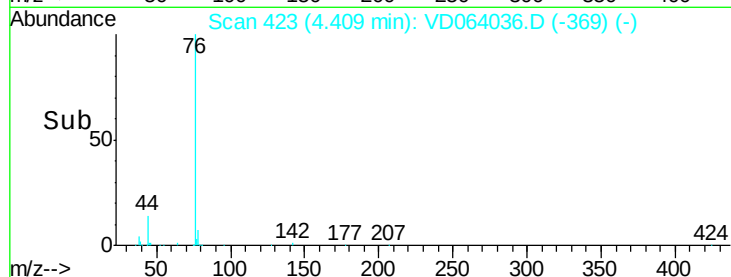
20000

10000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 64.709 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064036.D

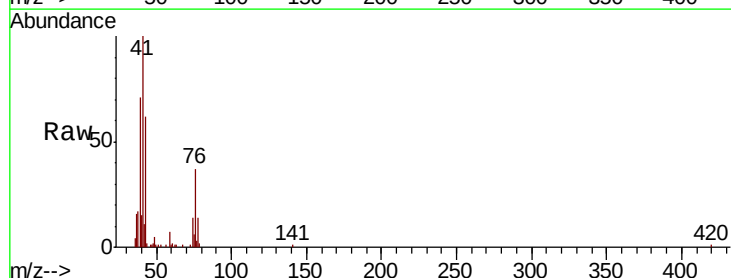
Acq: 23 Oct 2019 22:25

Tgt Ion: 43 Resp: 42220

Ion Ratio Lower Upper

43 100

74 21.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

15000

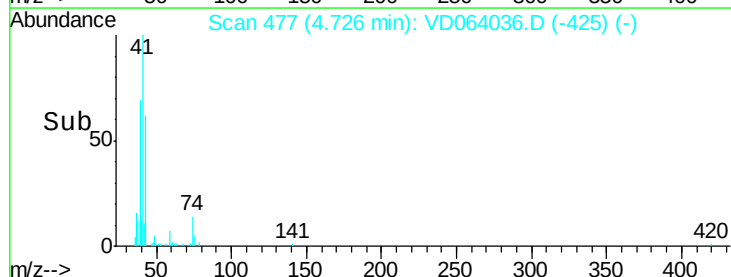
10000

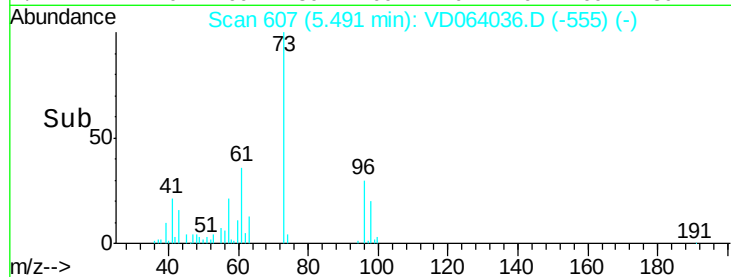
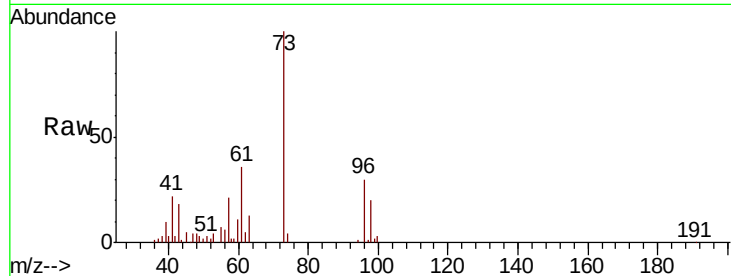
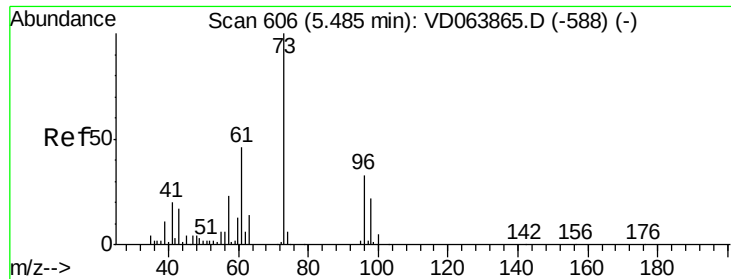
5000

0

4.60 4.70 4.80

Time-->





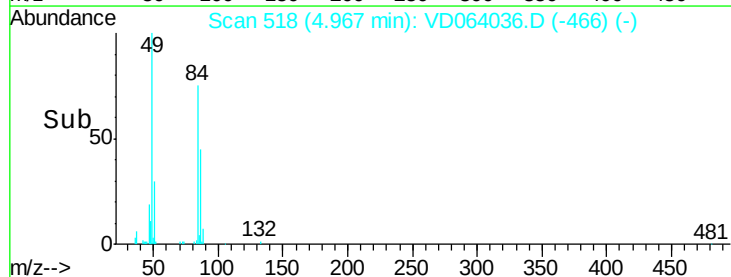
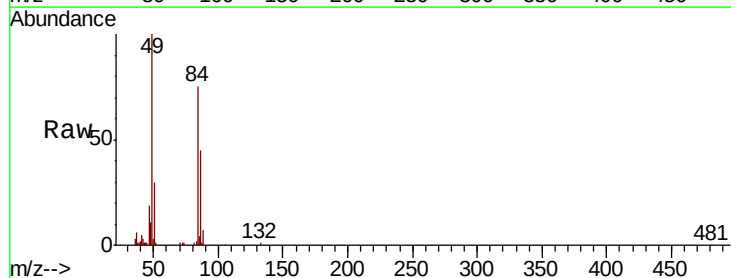
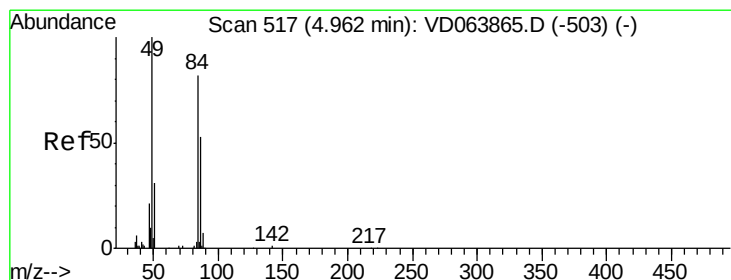
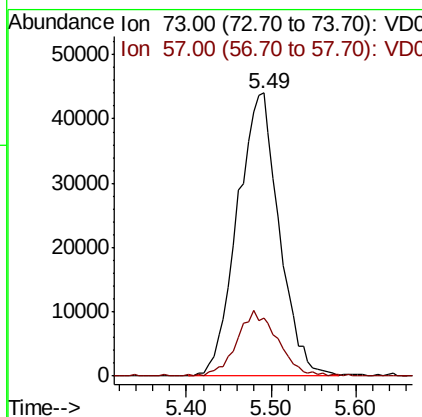
#19
Methyl tert-butyl Ether
Concen: 52.998 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tot Ion	73	57	Ratio	100	20.2	Resp:	151370	Lower	18.1	Upper	27.1
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Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

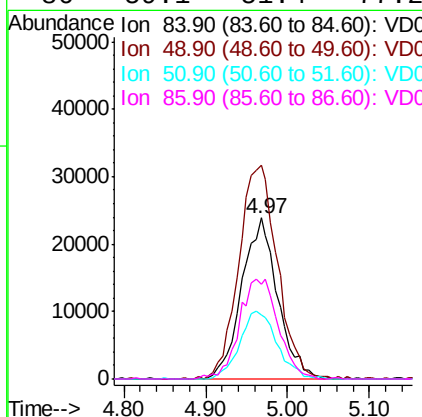
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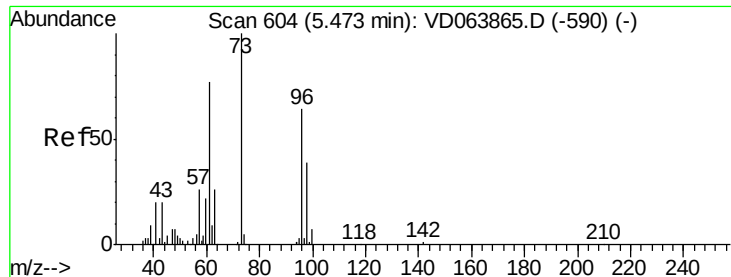
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#20
Methylene Chloride
Concen: 49.378 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	84	49	51	86	Ratio	100	132.5	39.9	59.1	Resp:	73144	Lower	97.3	30.1	51.4	Upper	145.9	45.1	77.2
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#21

trans-1,2-Dichloroethene

Concen: 47.340 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

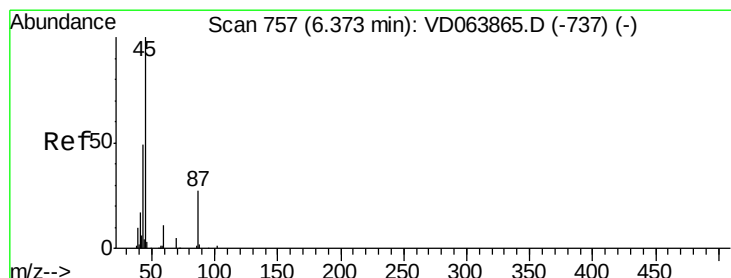
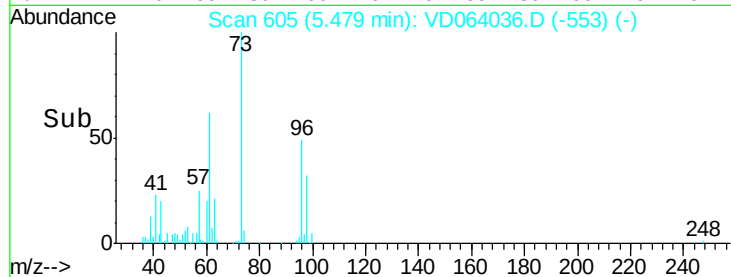
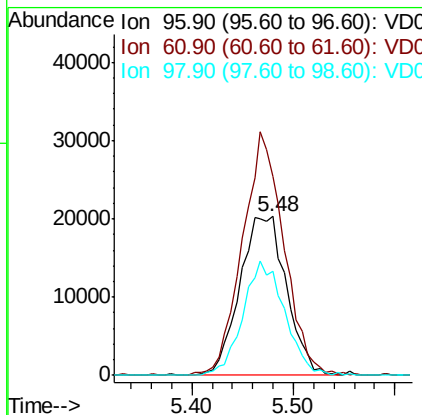
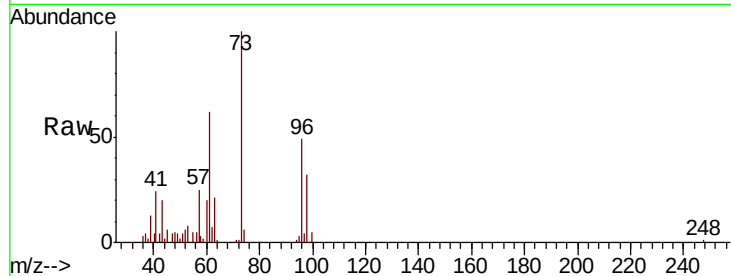
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	65001
Ion	Ratio	Lower	Upper
96	100		
61	125.4	96.6	145.0
98	65.7	48.7	73.1

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#22

Diisopropyl ether

Concen: 57.173 ug/l

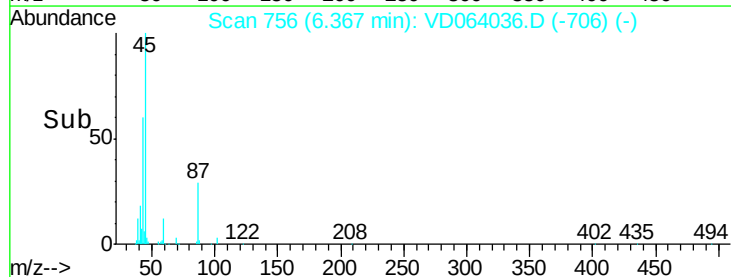
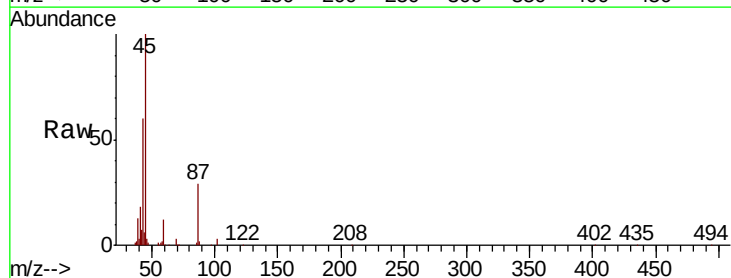
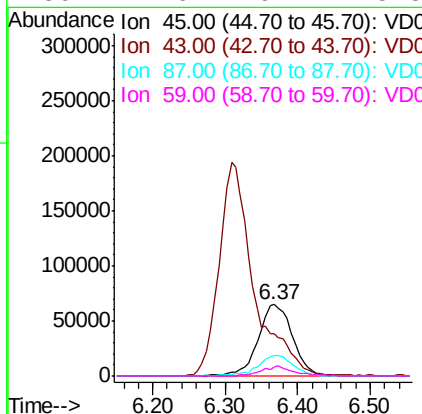
RT: 6.37 min Scan# 756

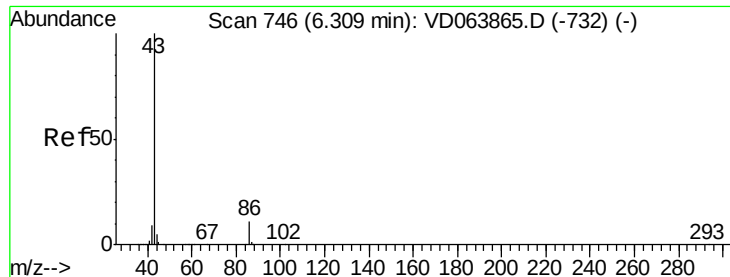
Delta R.T. -0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Tgt Ion:	45	Resp:	214119
Ion	Ratio	Lower	Upper
45	100		
43	59.0	41.2	61.8
87	29.2	22.2	33.4
59	11.6	9.2	13.8





#23

Vinyl Acetate

Concen: 290.322 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 646814

Ion Ratio Lower Upper

43 100

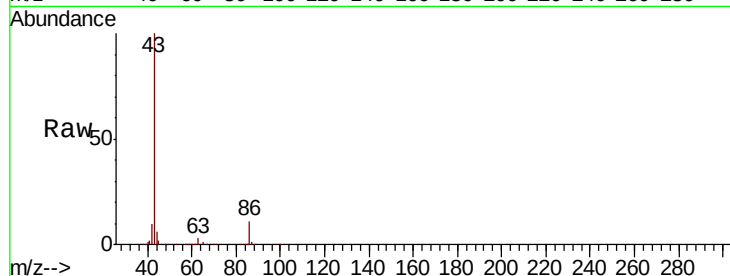
86 11.0 8.8 13.2

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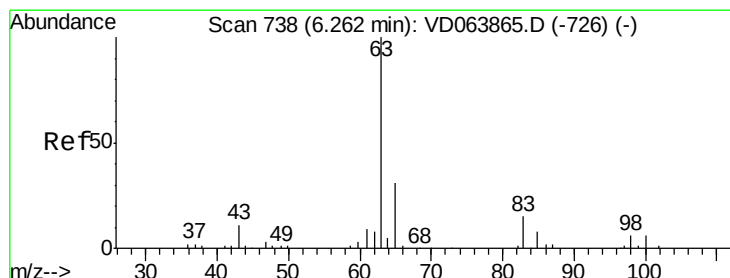
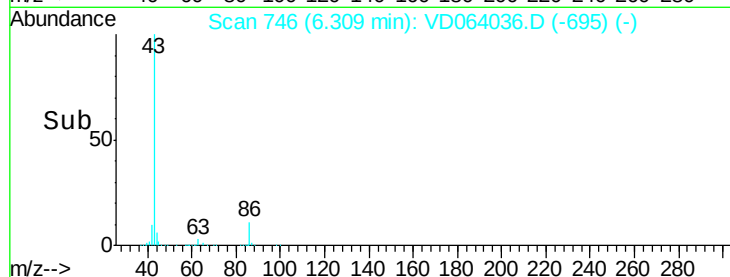
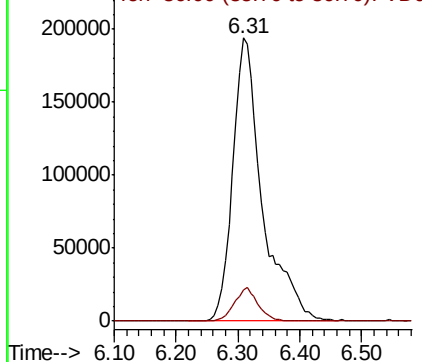
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 54.115 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

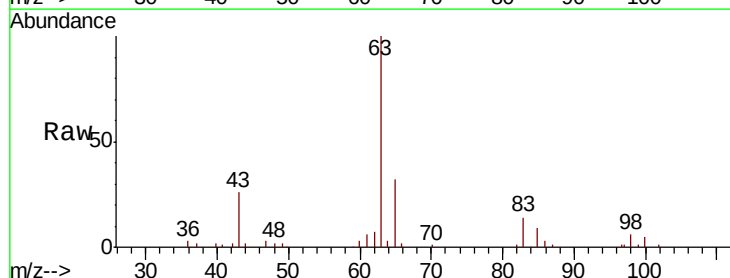
Tgt Ion: 63 Resp: 124835

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

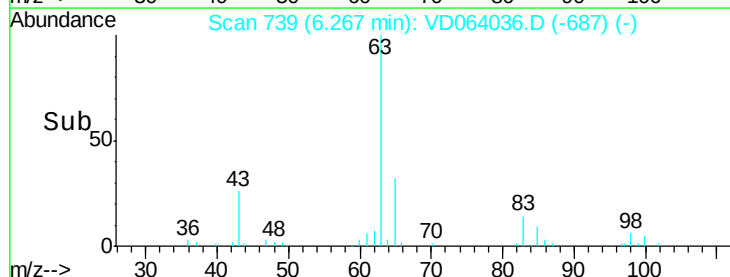
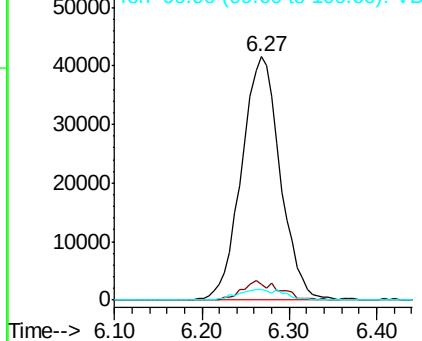
100 4.6 3.0 9.2

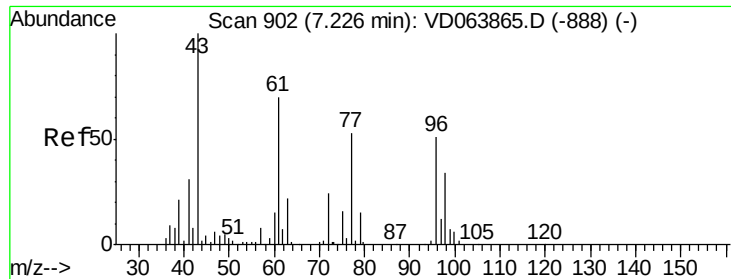


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 285.897 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 113026

Ion Ratio Lower Upper

43 100

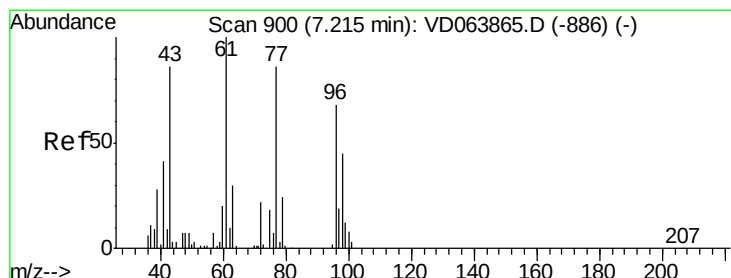
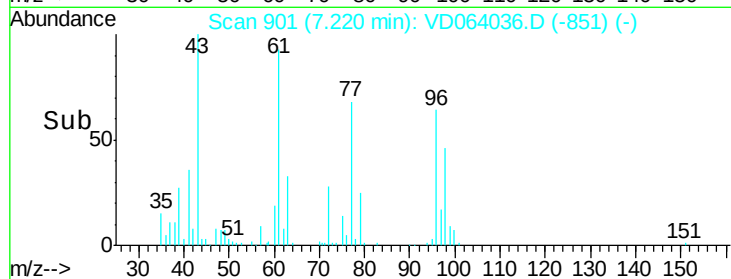
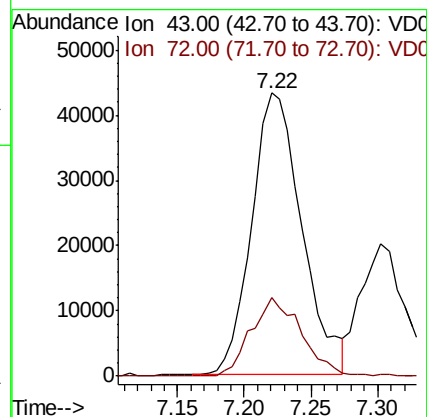
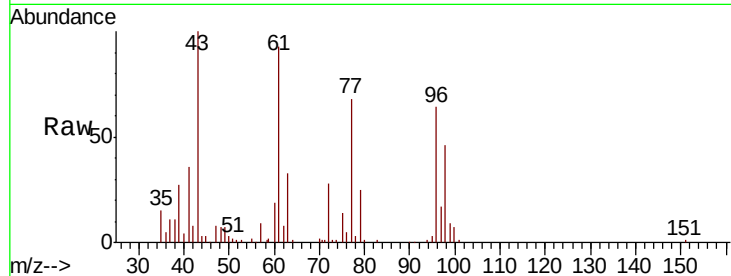
72 27.8 19.2 28.8

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#26

2,2-Dichloropropane

Concen: 44.741 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064036.D

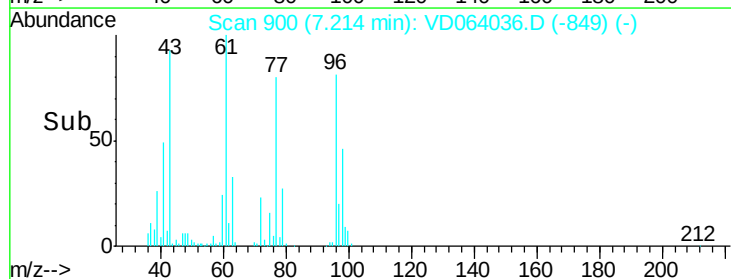
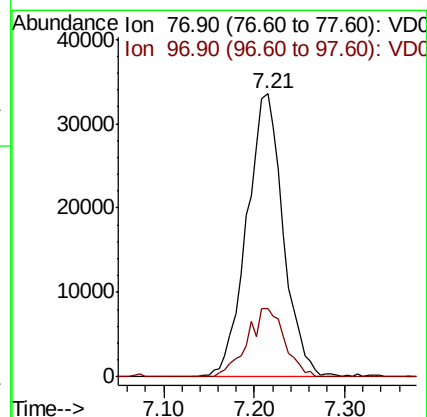
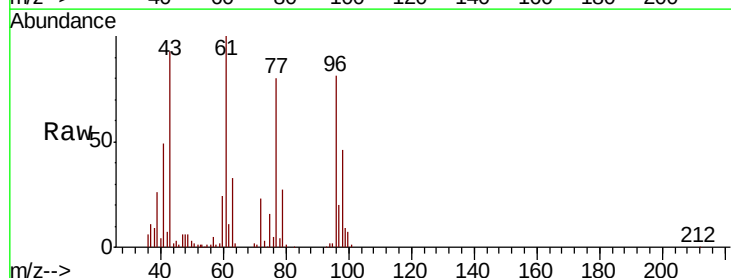
Acq: 23 Oct 2019 22:25

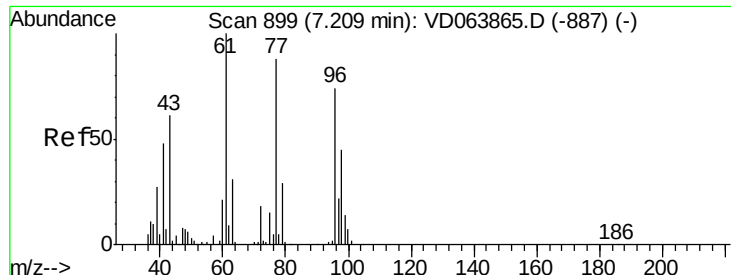
Tgt Ion: 77 Resp: 93364

Ion Ratio Lower Upper

77 100

97 24.8 11.4 34.1





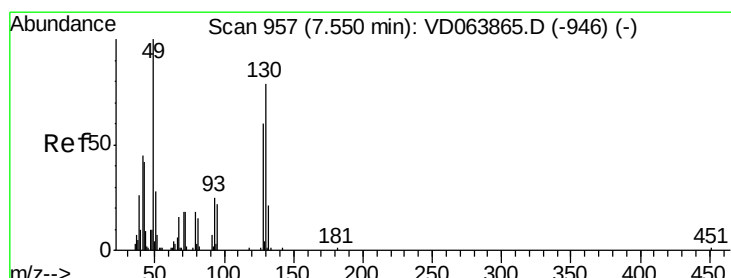
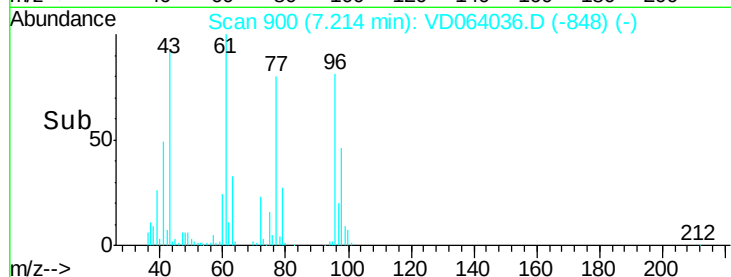
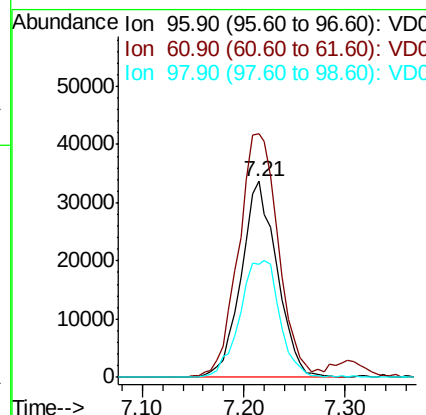
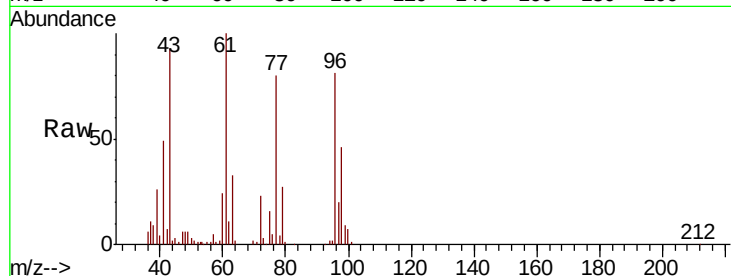
#27
 cis-1,2-Dichloroethene
 Concen: 53.202 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	280.0
98	66.1	0.0	130.4

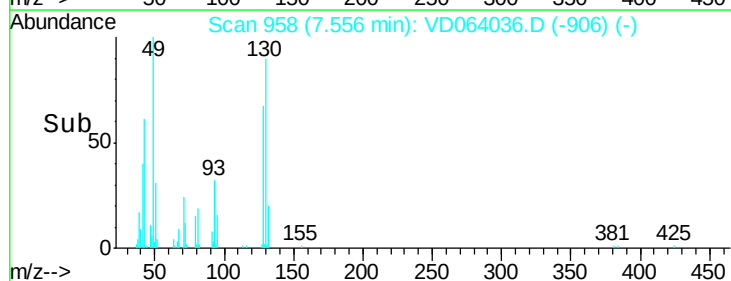
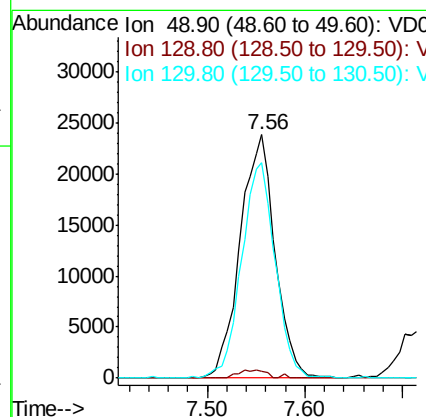
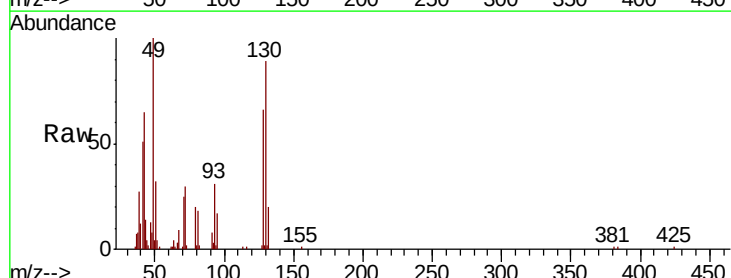
Manual Integrations
 APPROVED

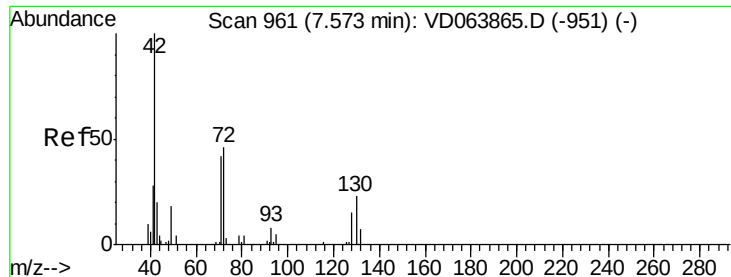
MMDadoda
 10/24/2019 4:53:07 PM



#28
 Bromochloromethane
 Concen: 67.177 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	5.6
130	85.6	66.8	100.2





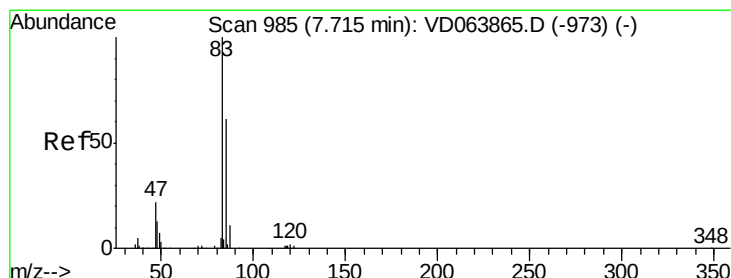
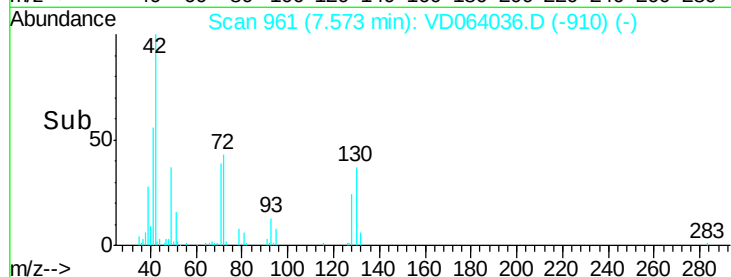
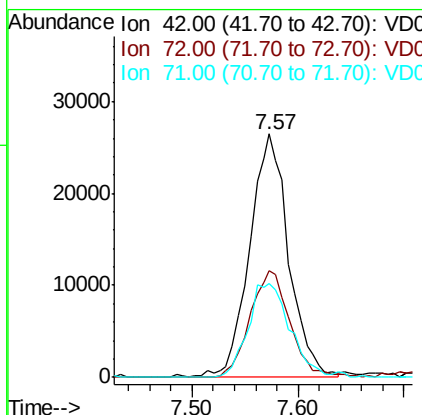
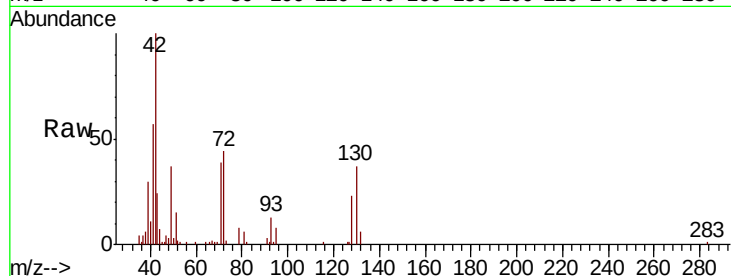
#29
Tetrahydrofuran
Concen: 293.879 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	37.6	56.4
71	41.6	35.0	52.6

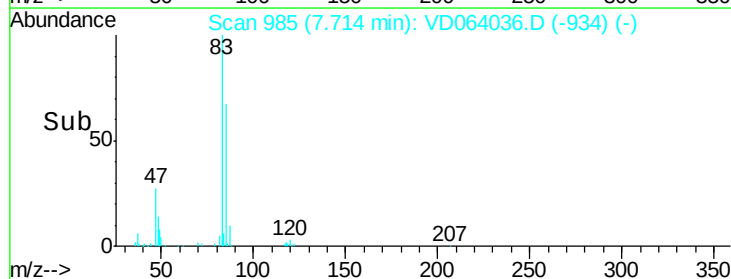
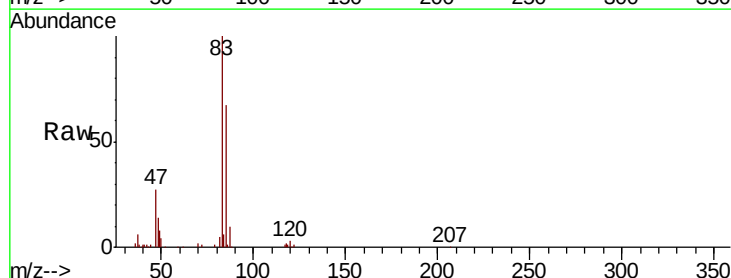
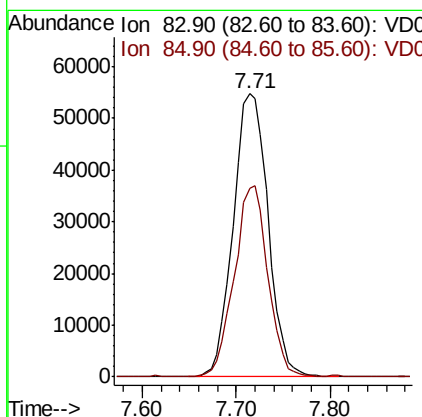
Manual Integrations
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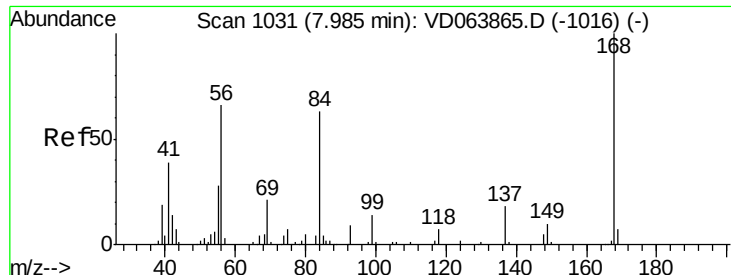
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#30
Chloroform
Concen: 56.221 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	48.9	73.3





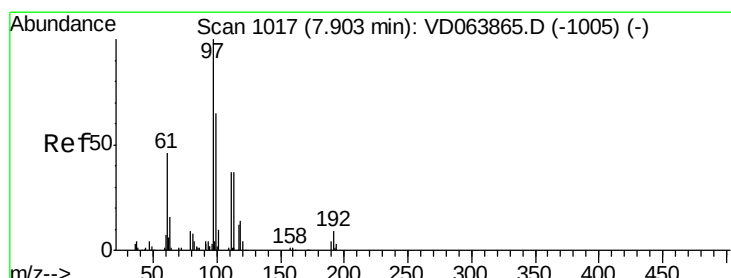
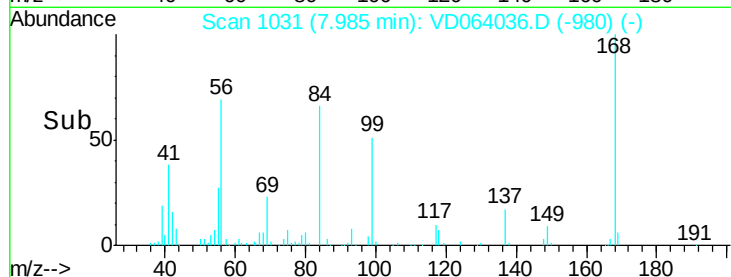
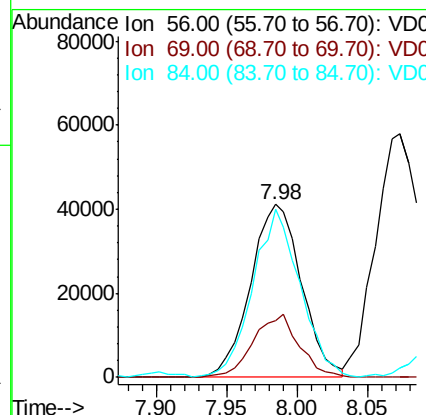
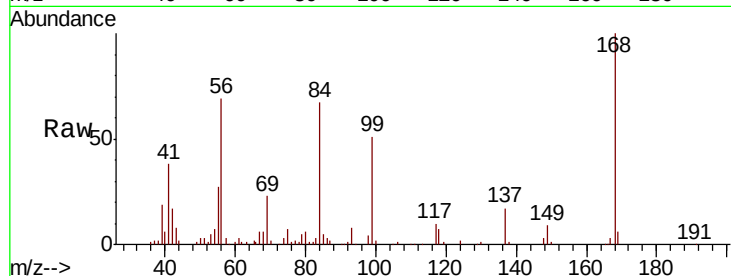
#31
Cyclohexane
Concen: 54.912 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.2	25.0	37.4
84	97.1	76.3	114.5

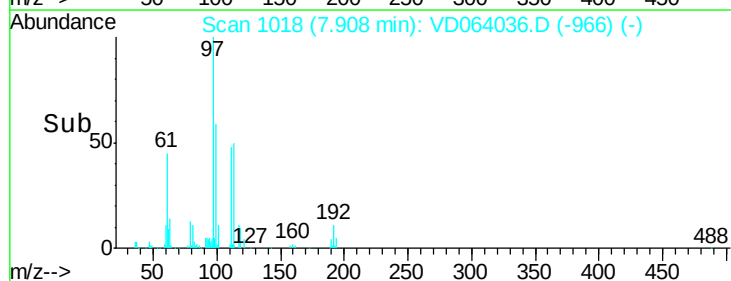
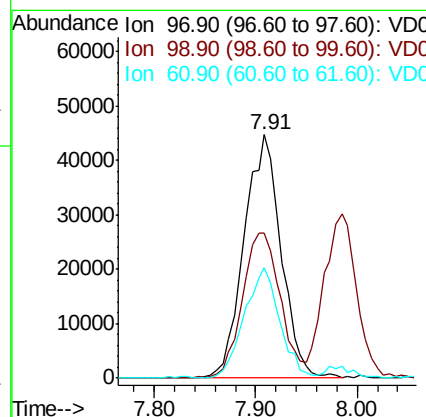
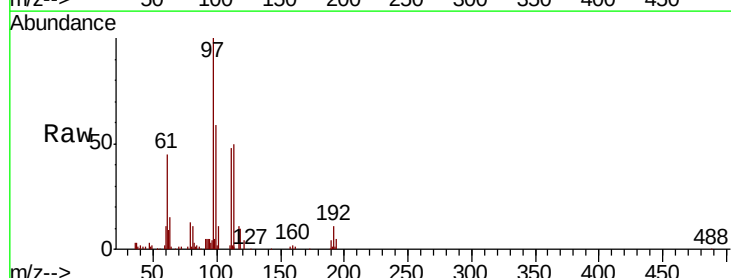
Manual Integrations
APPROVED

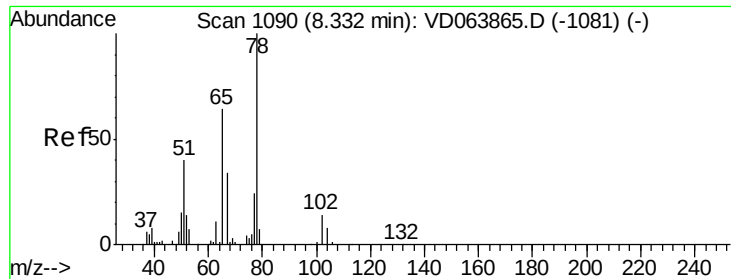
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 52.465 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.8	52.4	78.6
61	43.5	33.8	50.8





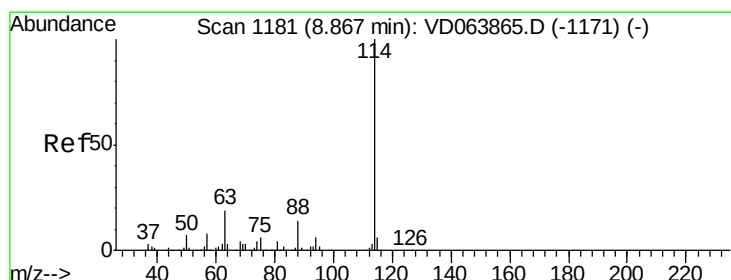
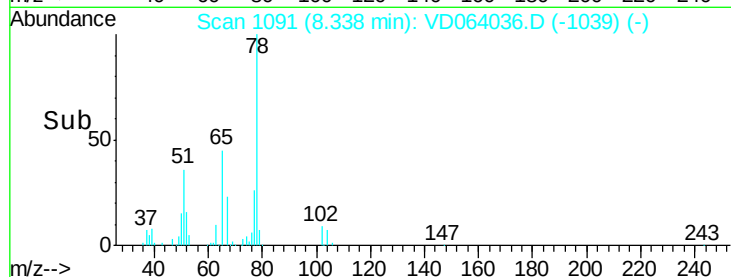
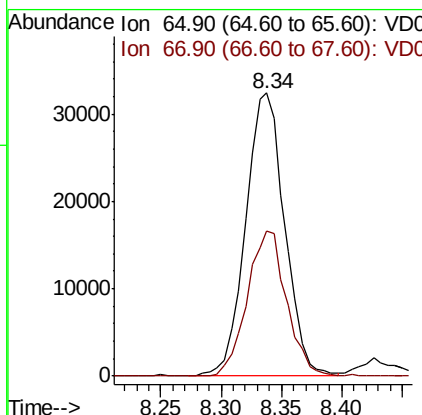
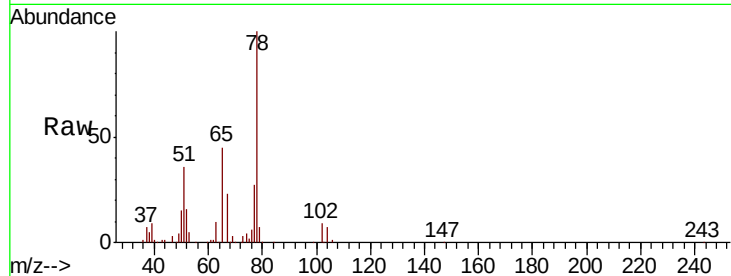
#33
 1,2-Dichloroethane-d4
 Concen: 57.004 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.4

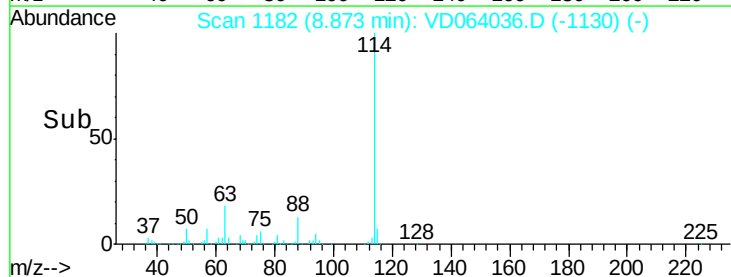
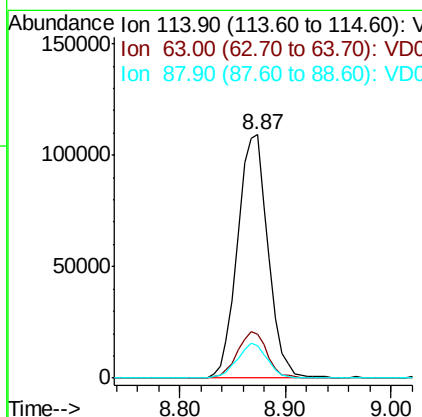
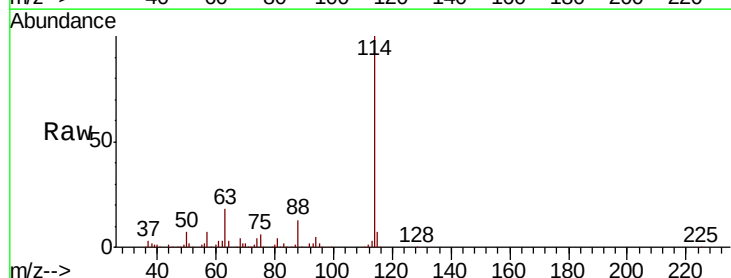
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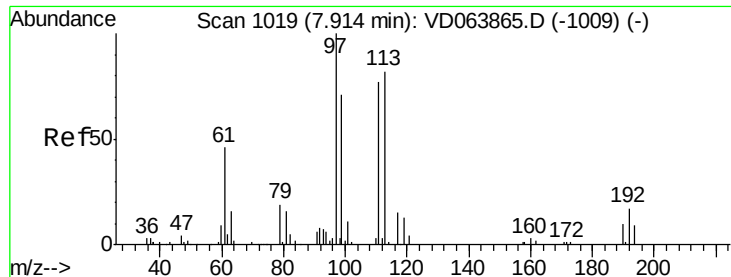
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.4
88	13.2	0.0	27.4





#35

Dibromofluoromethane

Concen: 55.027 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

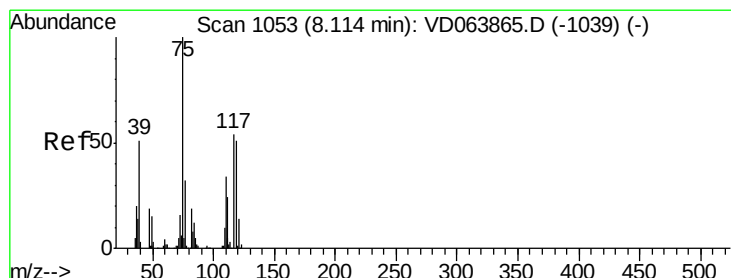
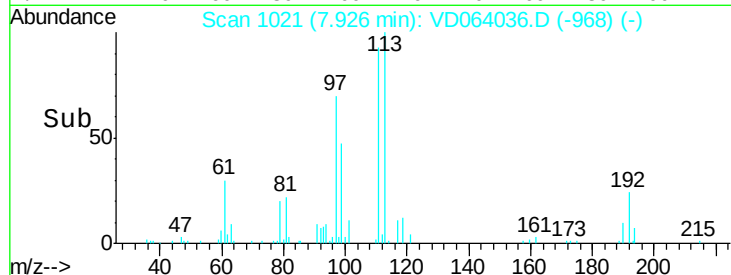
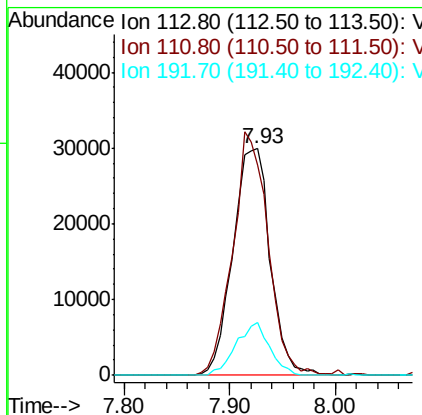
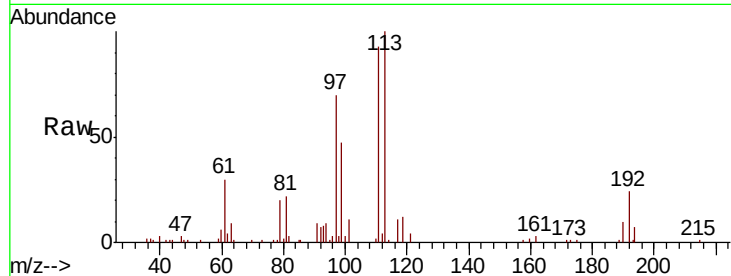
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	73408
Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	123.8
192	20.8	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.358 ug/l

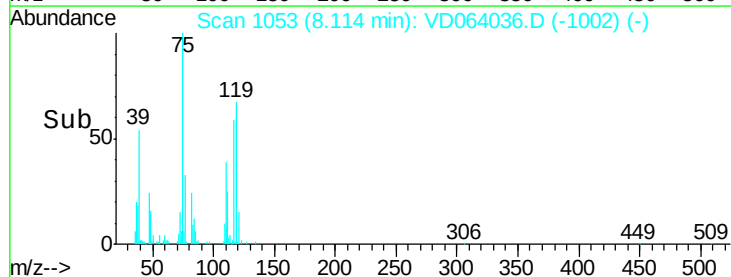
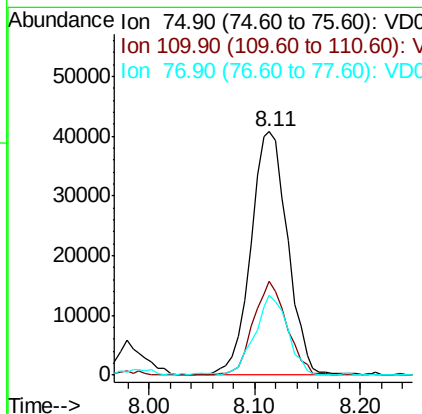
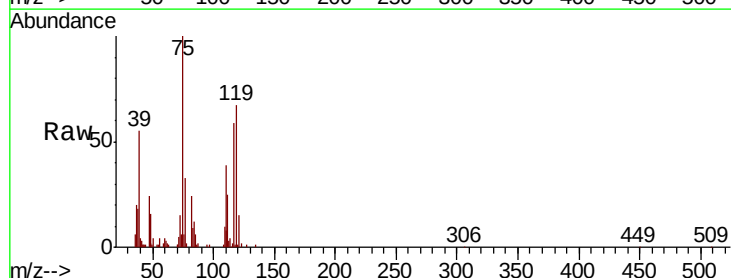
RT: 8.11 min Scan# 1053

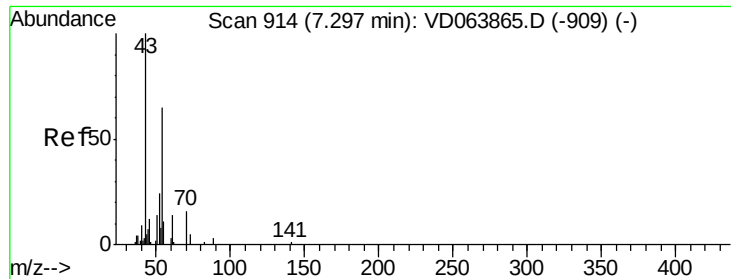
Delta R.T. -0.00 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Tgt Ion:	75	Resp:	98512
Ion	Ratio	Lower	Upper
75	100		
110	35.1	17.4	52.3
77	29.5	25.4	38.0





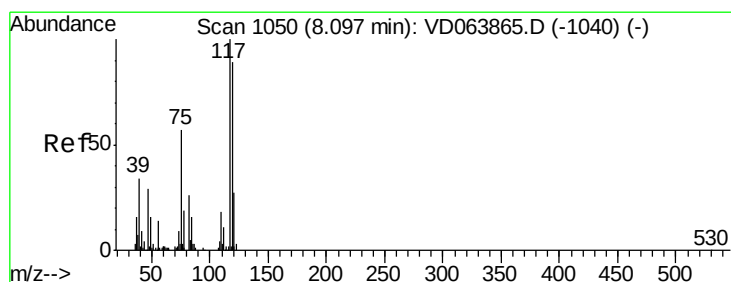
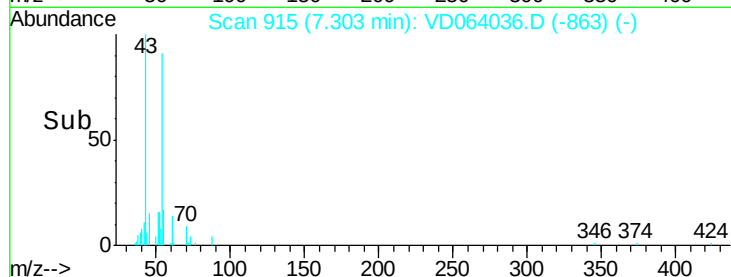
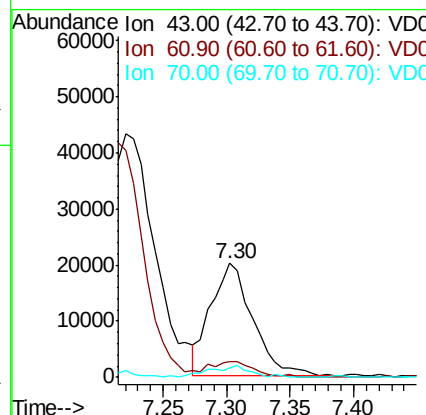
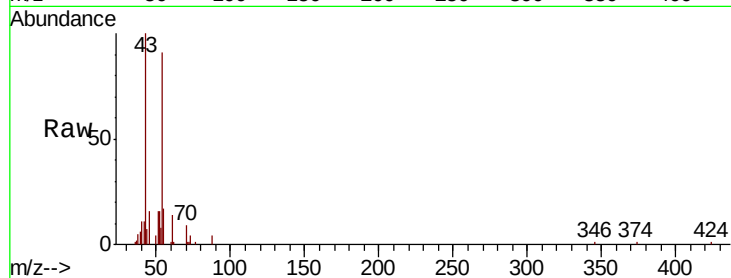
#37
Ethyl Acetate
Concen: 58.311 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	9.5	8.2	12.4

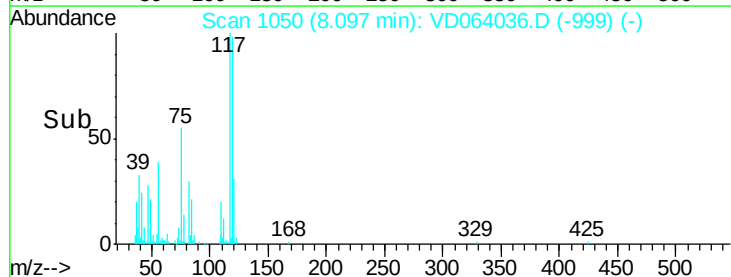
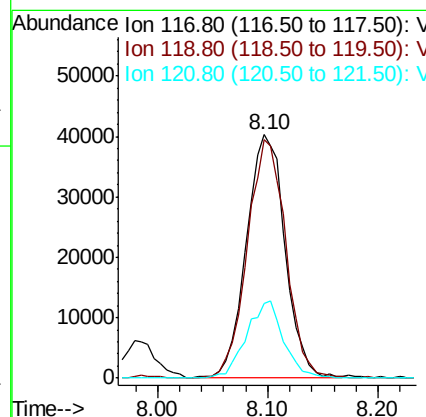
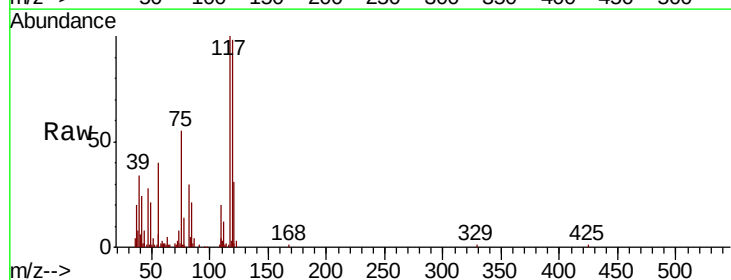
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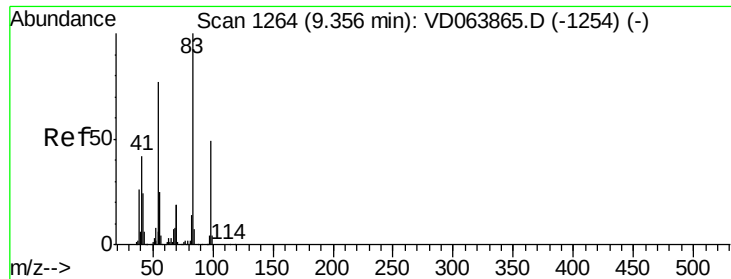
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.247 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	70.8	106.2
121	30.5	21.4	32.0





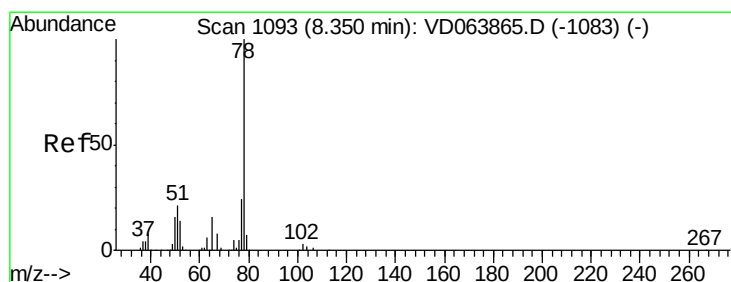
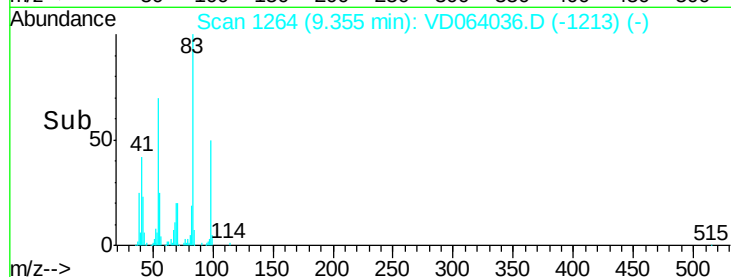
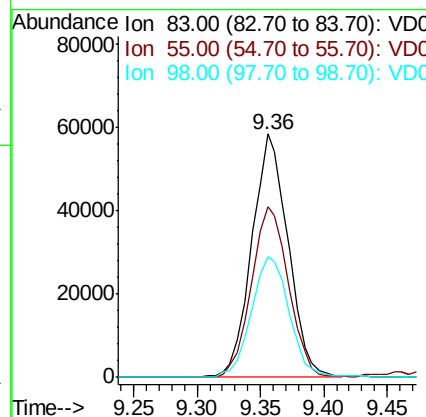
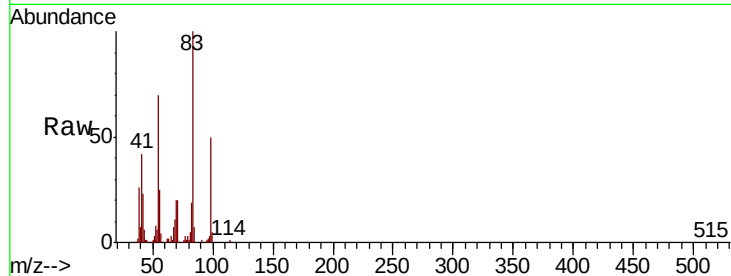
#39
Methylvlcyclohexane
Concen: 47.400 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.1	61.3	91.9
98	49.5	39.3	58.9

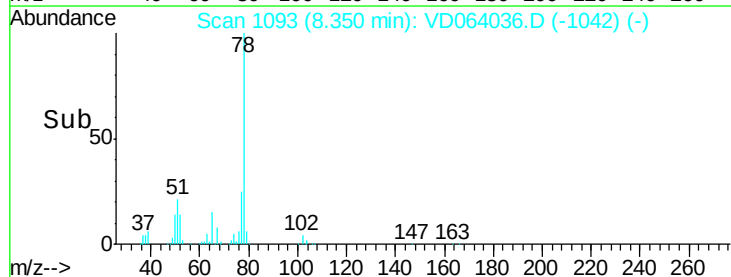
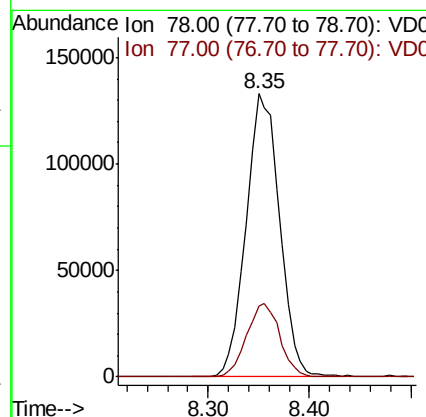
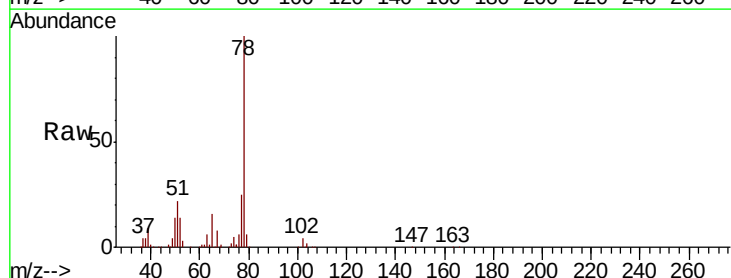
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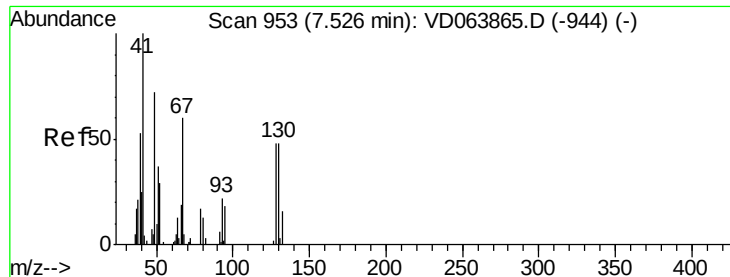
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#40
Benzene
Concen: 53.282 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.6





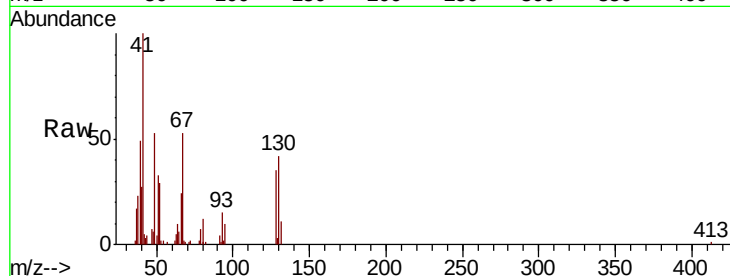
#41
Methacrylonitrile
Concen: 58.094 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

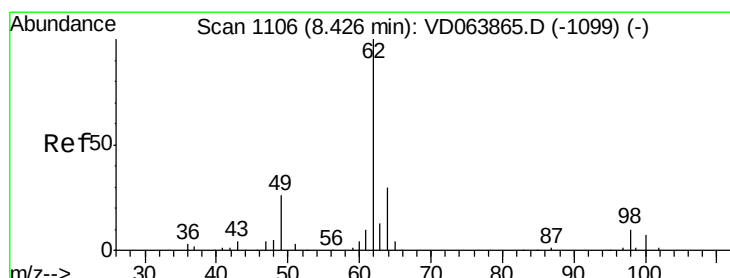
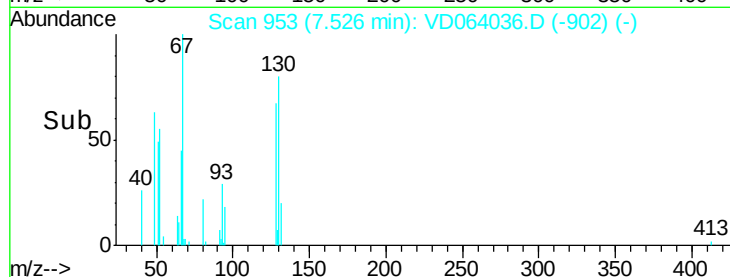
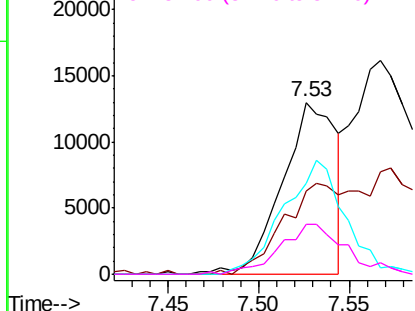
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.6	52.6	78.8	
67	75.6	74.2	111.2	
52	35.8	34.0	51.0	

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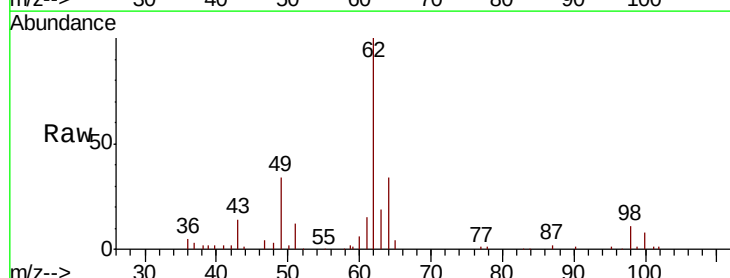


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

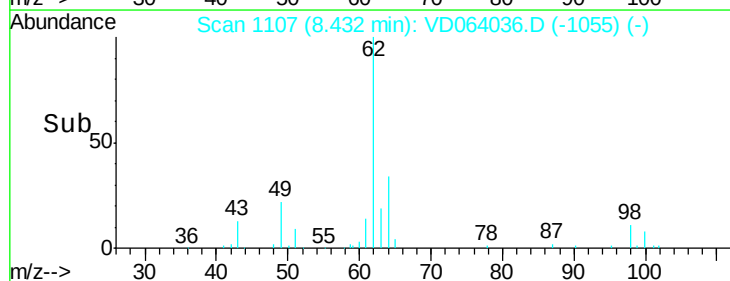
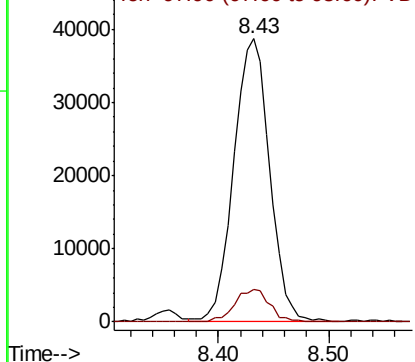


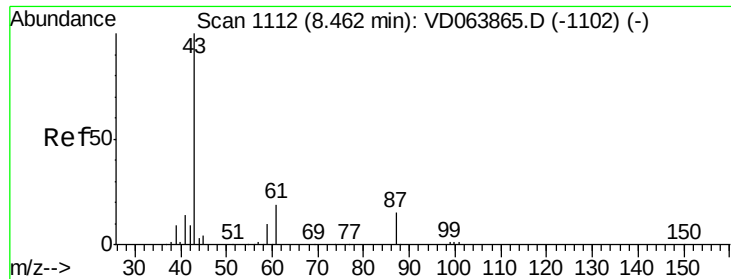
#42
1,2-Dichloroethane
Concen: 53.401 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	11.2	0.0	20.0	



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





#43

Isopropyl Acetate

Concen: 53.440 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

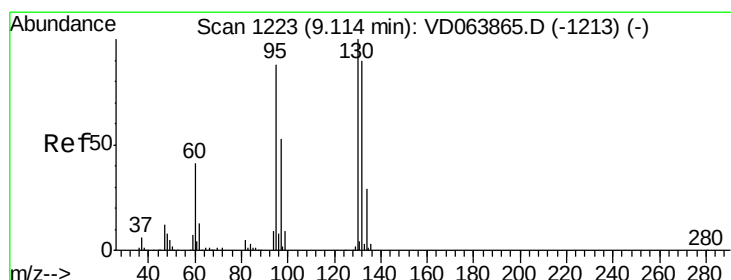
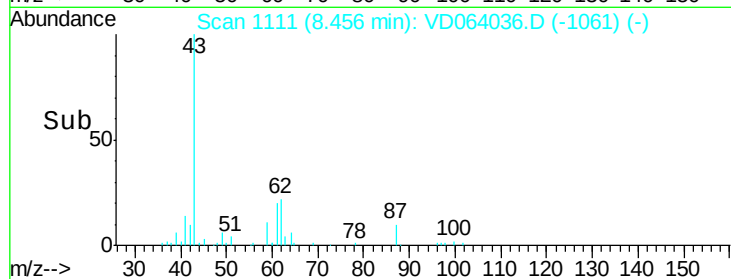
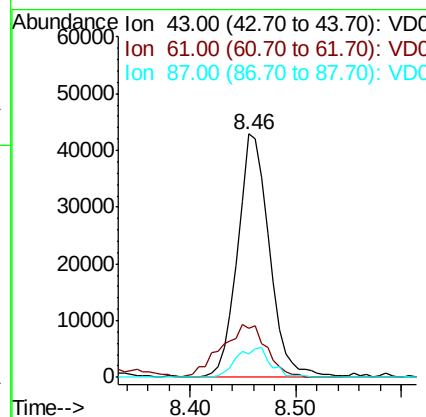
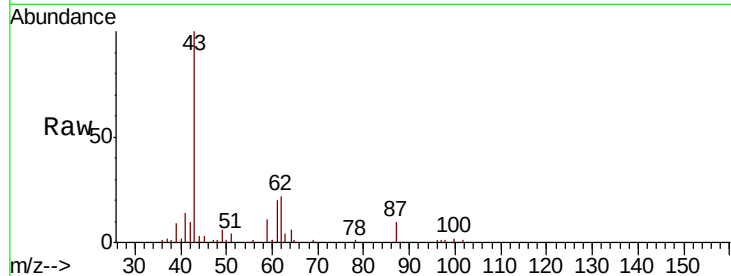
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	89448
Ion	Ratio	Lower	Upper
43	100		
61	30.7	25.7	38.5
87	13.1	11.6	17.4

Manual Integrations
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#44

Trichloroethene

Concen: 49.989 ug/l

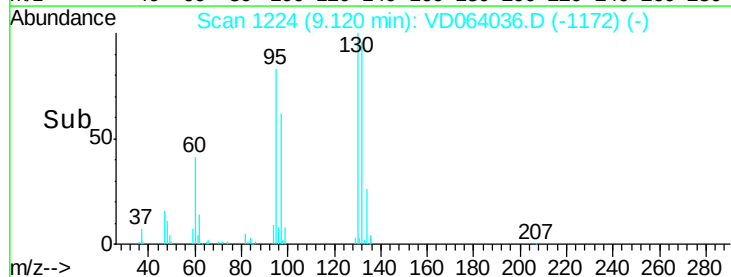
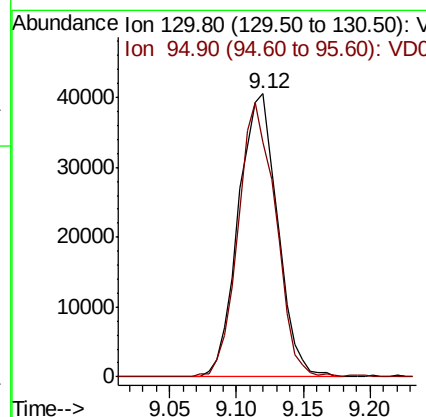
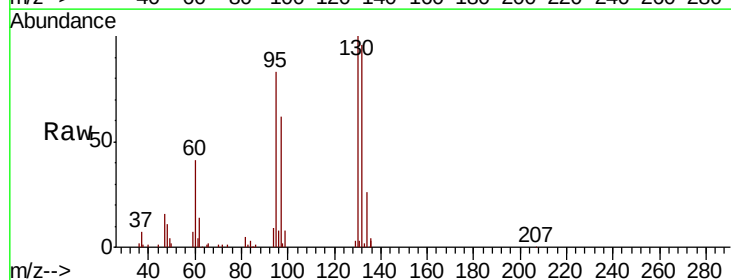
RT: 9.12 min Scan# 1224

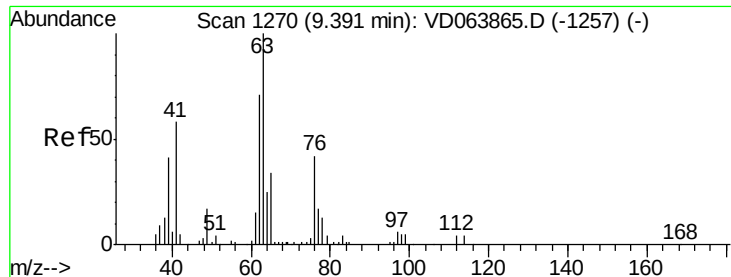
Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Tgt Ion:	130	Resp:	82446
Ion	Ratio	Lower	Upper
130	100		
95	83.1	0.0	175.6





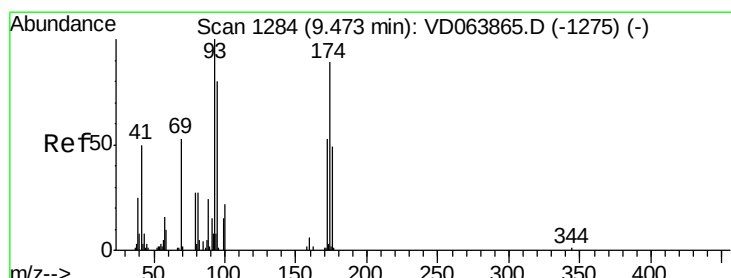
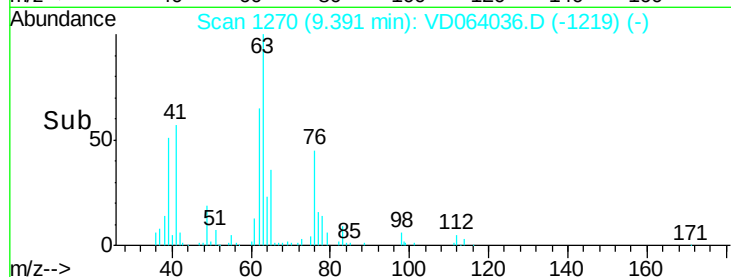
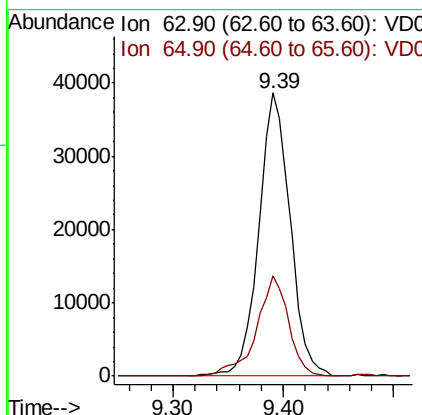
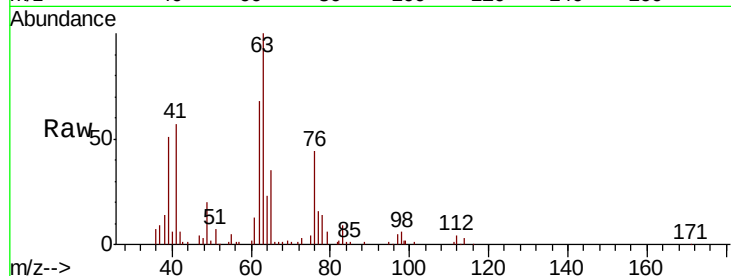
#45
 1,2-Dichloropropane
 Concen: 54.869 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 76814
 Ion Ratio Lower Upper
 63 100
 65 35.5 27.3 40.9

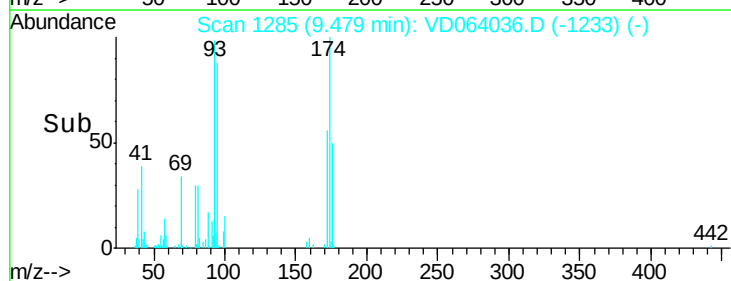
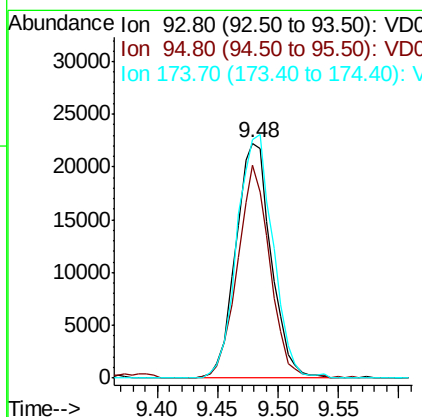
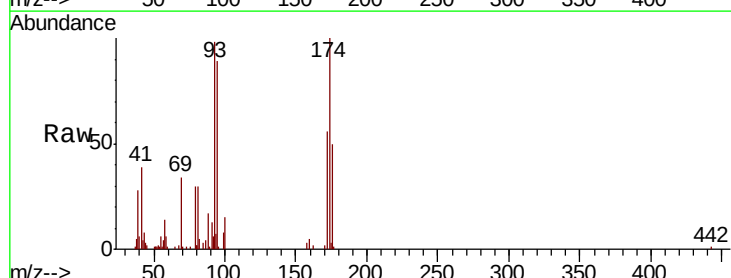
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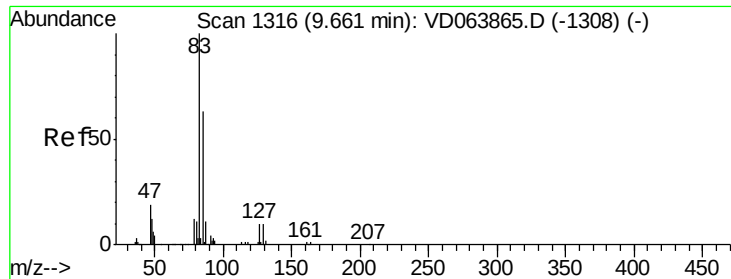
MMDadoda
 10/24/2019 4:53:07 PM



#46
 Dibromomethane
 Concen: 57.021 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Tgt Ion: 93 Resp: 45462
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.0 99.0
 174 105.6 83.4 125.0





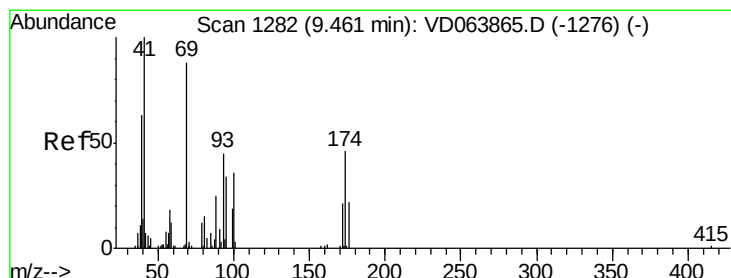
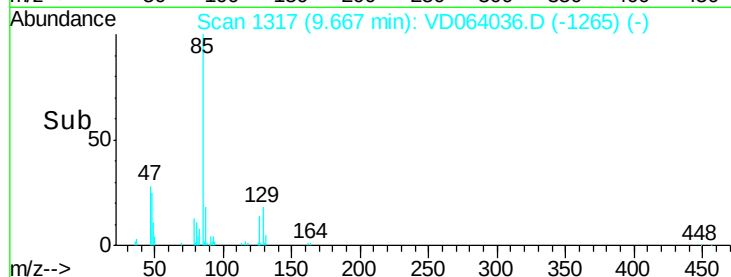
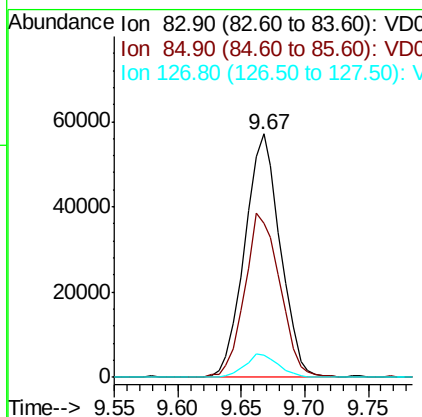
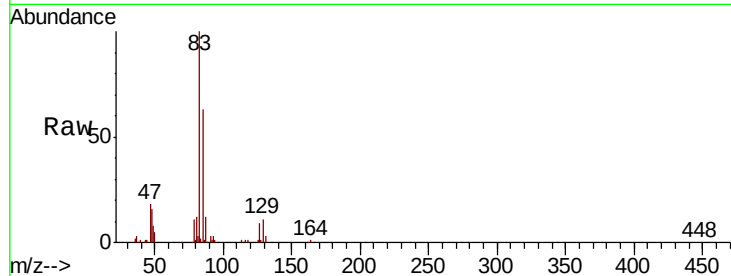
#47
 Bromodichloromethane
 Concen: 54.224 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	83	Resp	111307
Ion Ratio	Lower	Upper	
83	100		
85	63.3	50.2	75.2
127	9.0	7.6	11.4

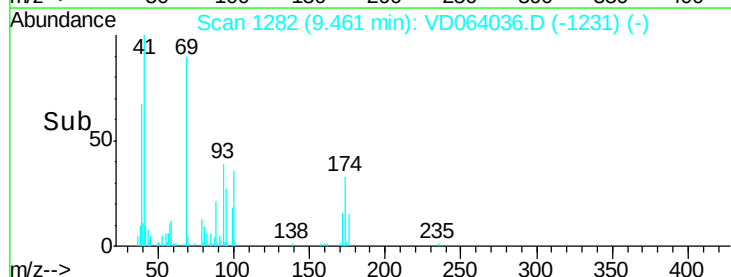
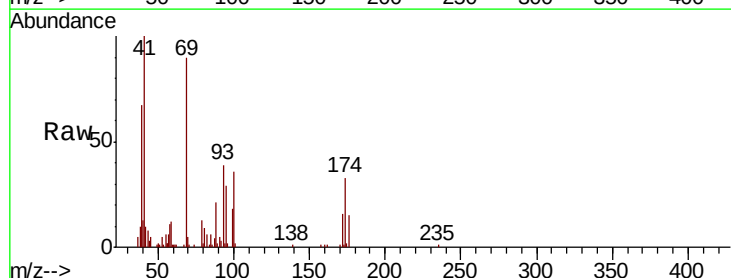
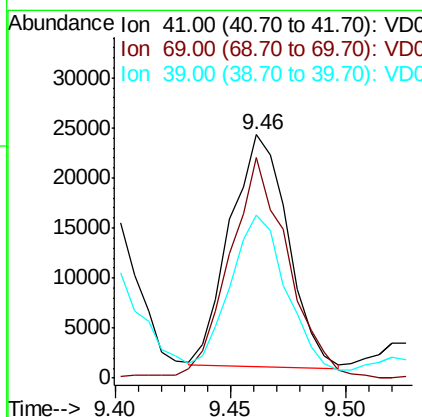
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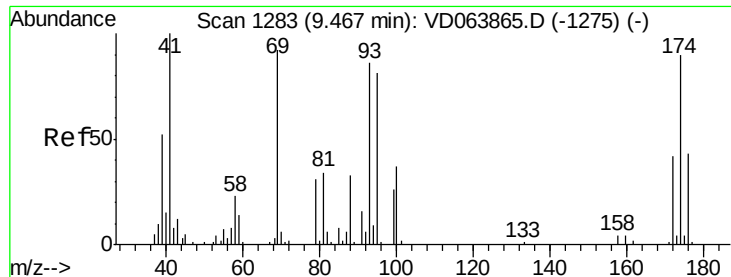
MMDadoda
 10/24/2019 4:53:07 PM



#48
 Methyl methacrylate
 Concen: 50.448 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Tgt Ion	41	Resp	40458
Ion Ratio	Lower	Upper	
41	100		
69	96.4	75.1	112.7
39	71.8	50.2	75.2





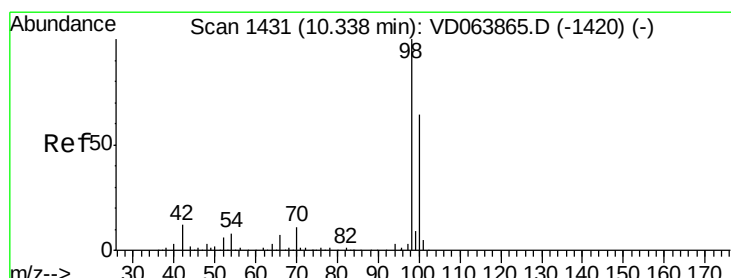
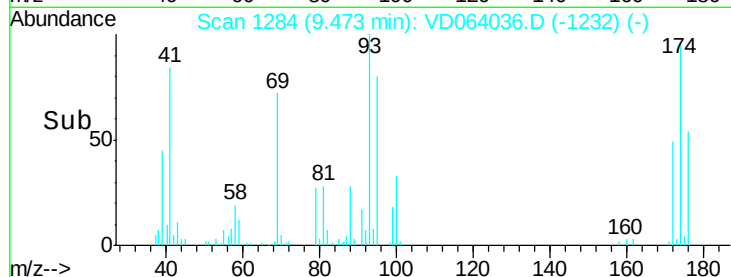
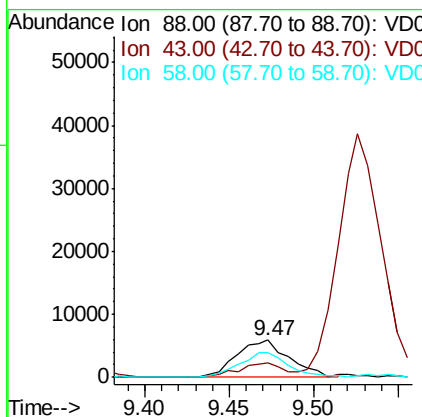
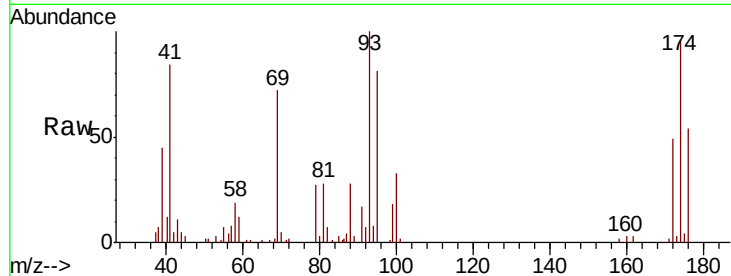
#49
1,4-Dioxane
Concen: 1181.578 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	12859
Ion Ratio	100	Lower	Upper
88	100		
43	31.6	27.6	41.4
58	62.4	54.1	81.1

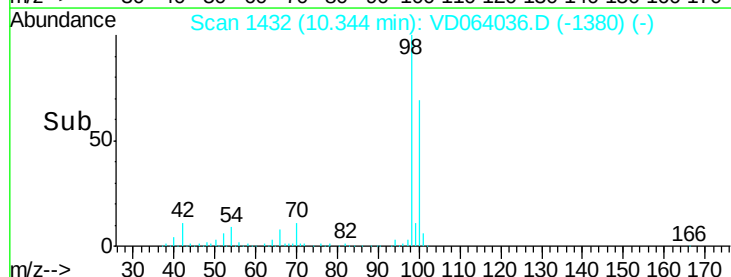
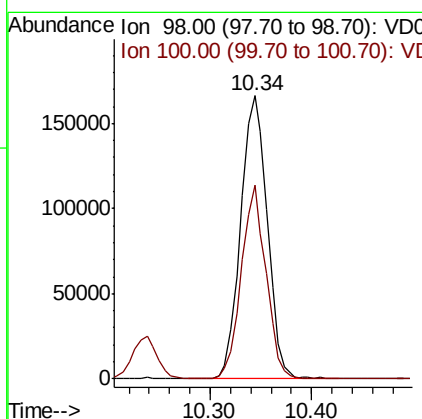
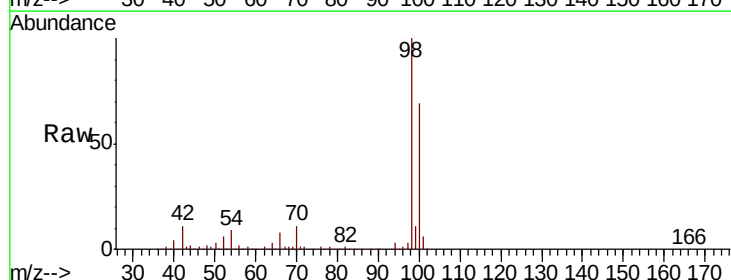
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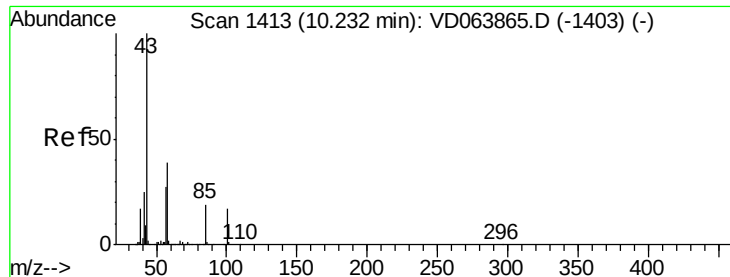
MMDadoda
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#50
Toluene-d8
Concen: 55.985 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	98	Resp	303134
Ion Ratio	100	Lower	Upper
98	100		
100	63.8	52.1	78.1





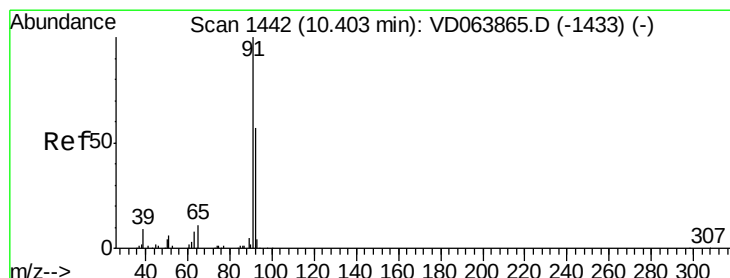
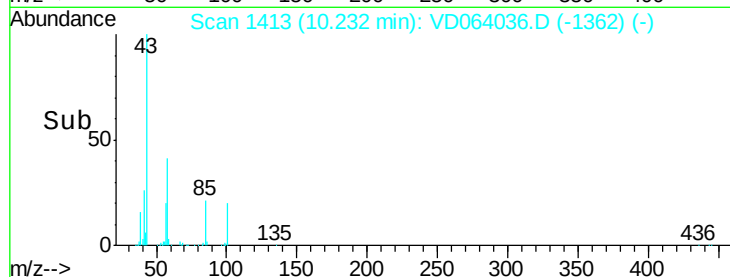
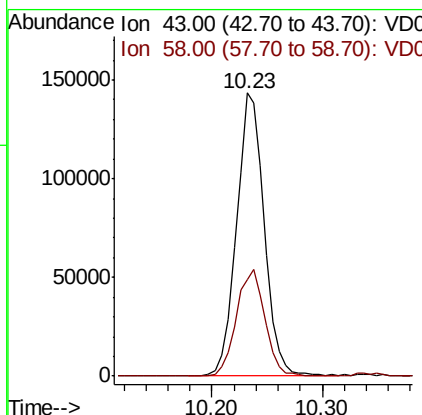
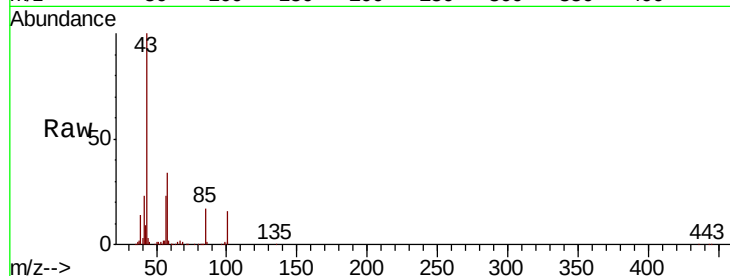
#51
4-Methyl-2-Pentanone
Concen: 290.982 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.8	33.0	49.4

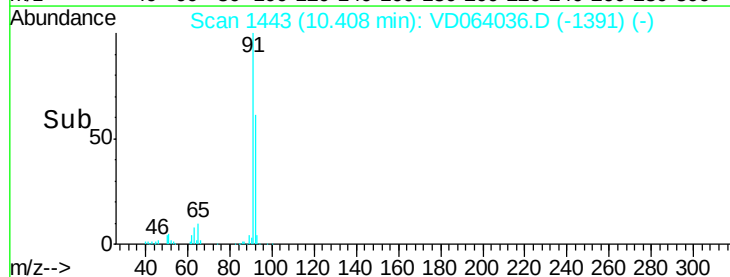
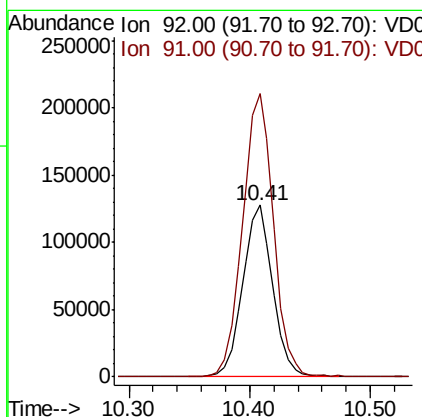
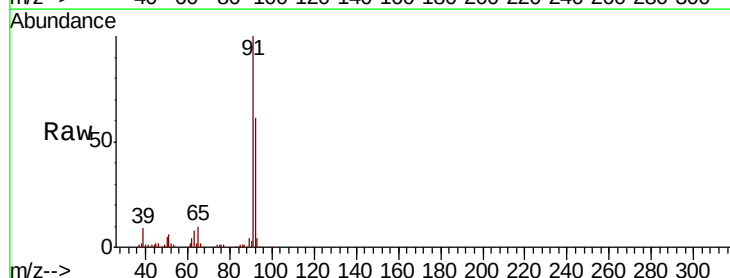
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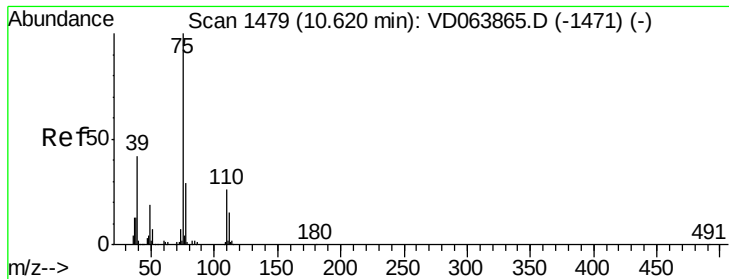
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#52
Toluene
Concen: 56.040 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.1	139.5	209.3





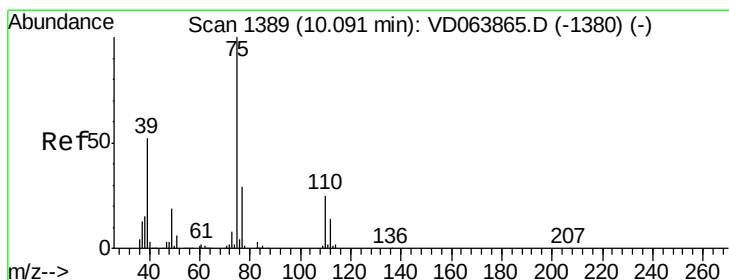
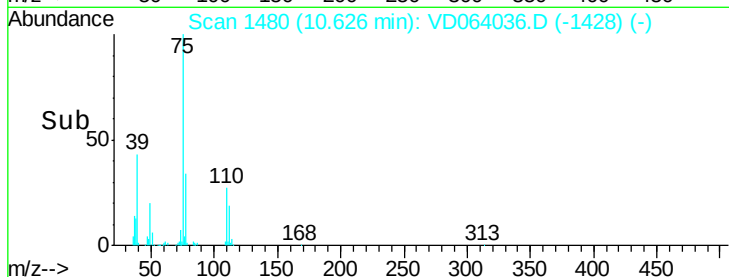
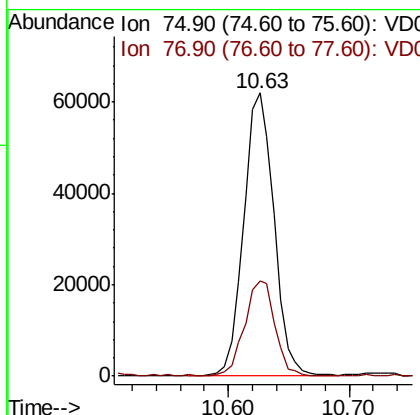
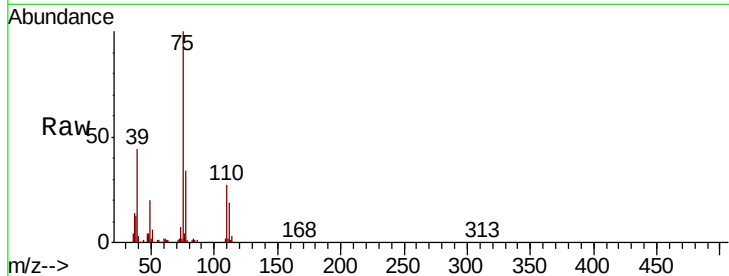
#53
 t-1,3-Dichloropropene
 Concen: 54.260 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 108686
 Ion Ratio Lower Upper
 75 100
 77 33.9 22.8 34.2

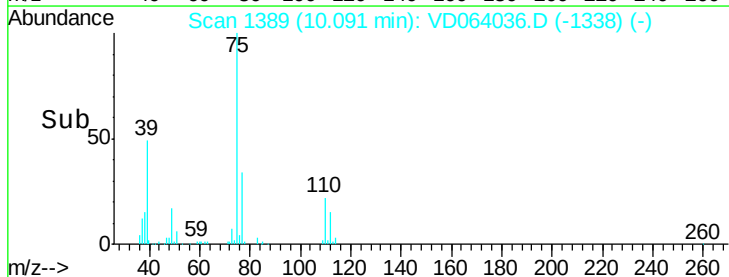
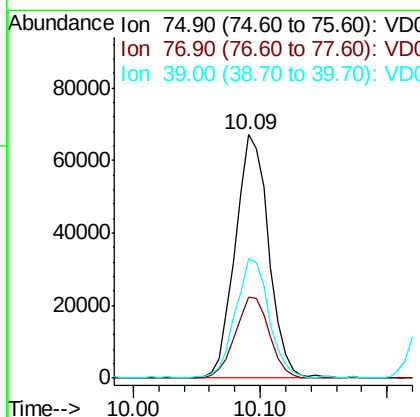
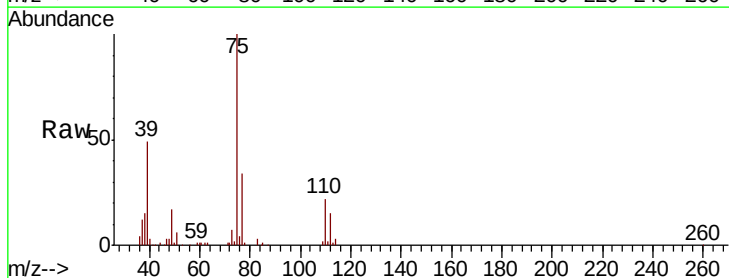
Manual Integrations
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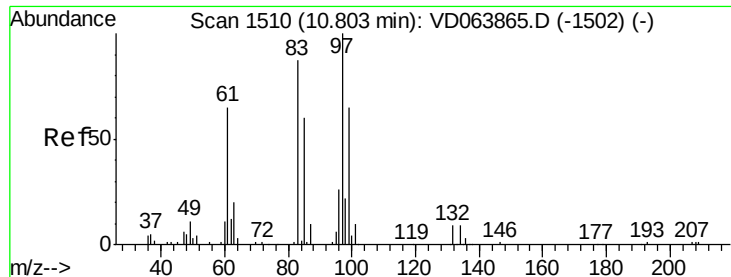
MMDadoda
 10/24/2019 4:53:07 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.248 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Tgt Ion: 75 Resp: 122776
 Ion Ratio Lower Upper
 75 100
 77 33.5 23.2 34.8
 39 49.3 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 60.461 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 68063

Ion Ratio Lower Upper

97 100

83 76.7 69.7 104.5

85 55.2 48.1 72.1

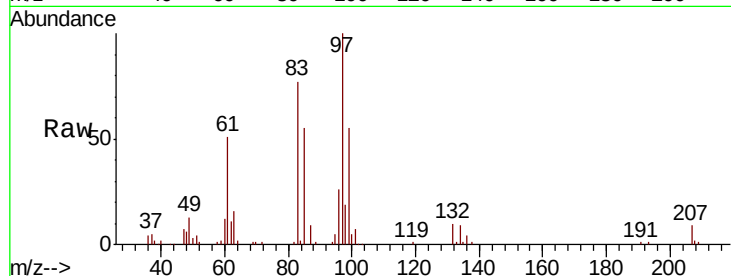
99 55.2 51.9 77.9

Manual Integrations

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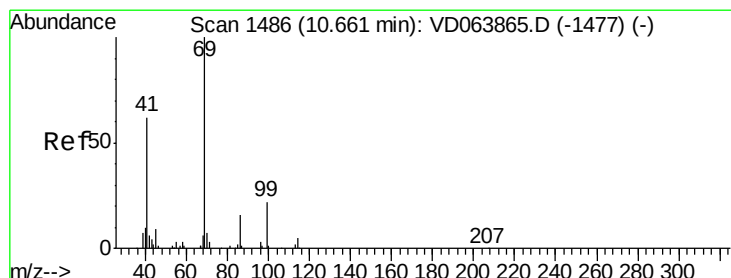
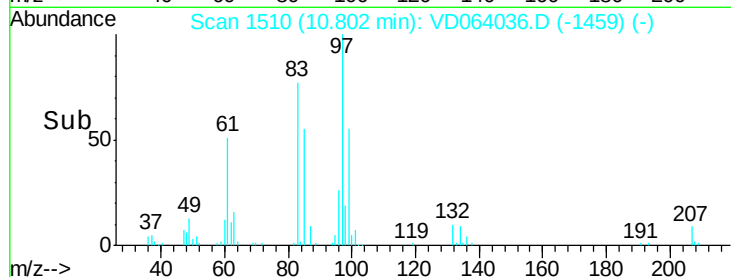
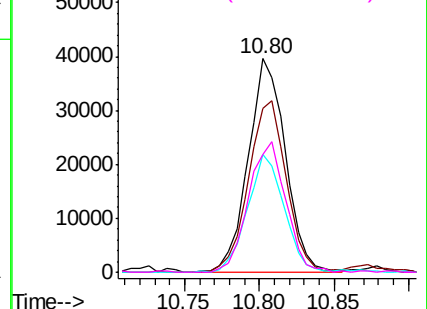


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 56.719 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

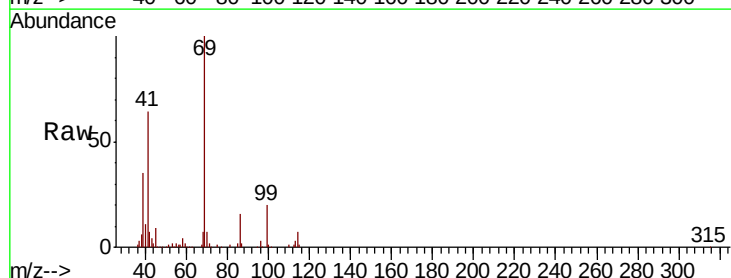
Tgt Ion: 69 Resp: 80857

Ion Ratio Lower Upper

69 100

41 62.7 51.3 76.9

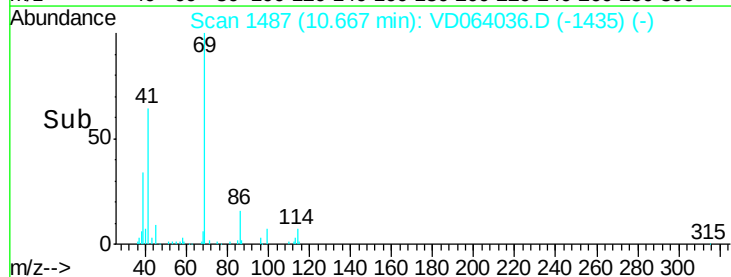
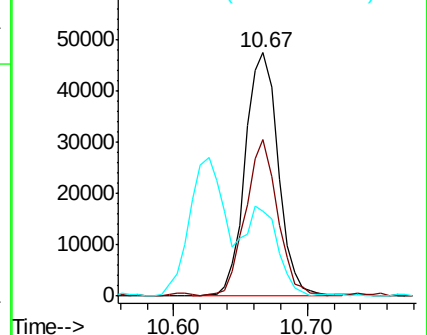
39 32.3 28.0 42.0

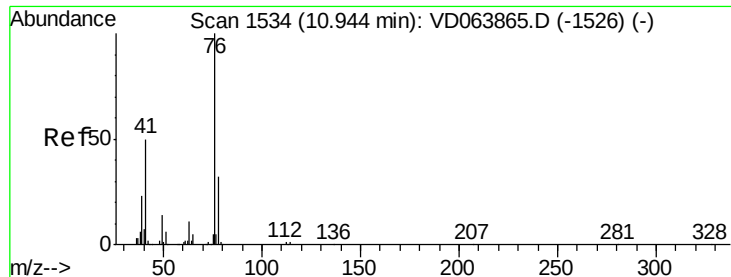


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





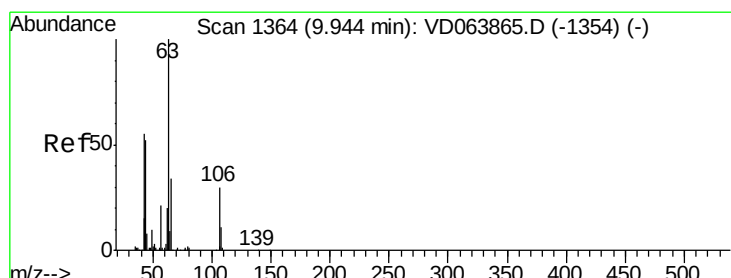
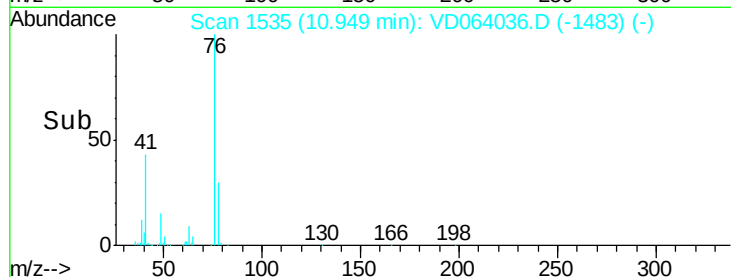
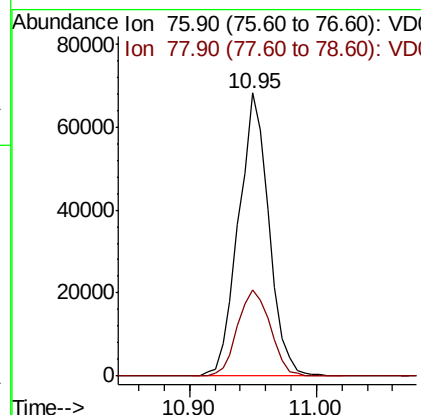
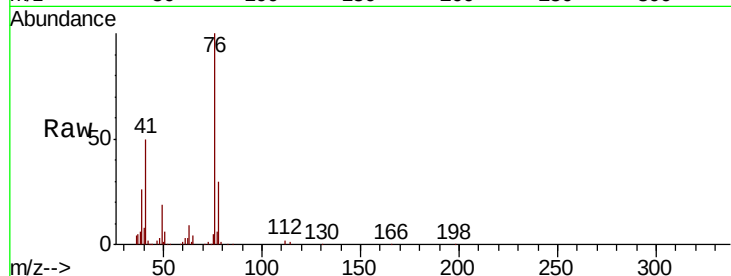
#57
 1,3-Dichloropropane
 Concen: 58.581 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.6	40.0

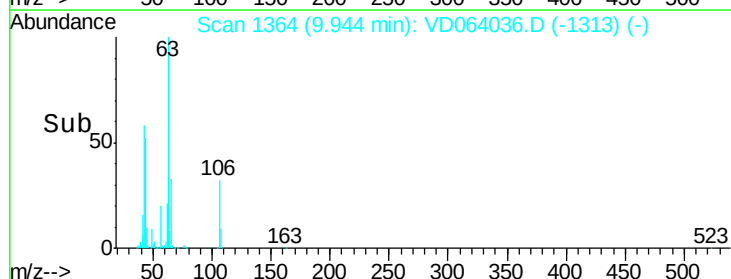
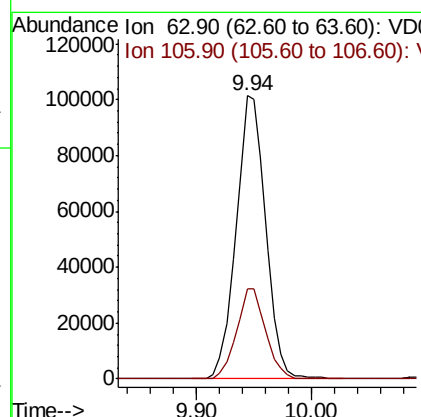
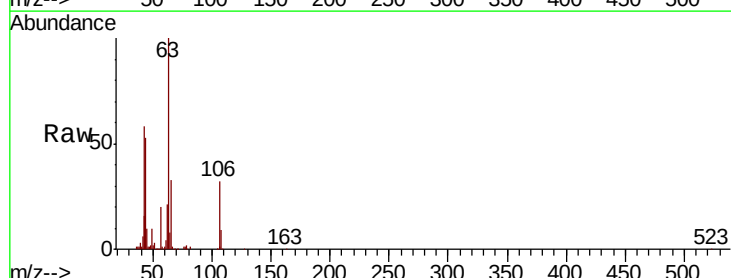
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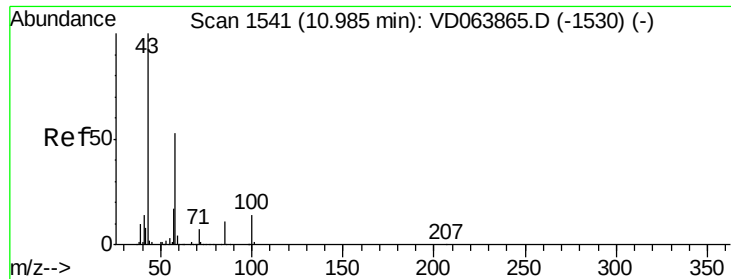
MMDadoda
 10/24/2019 4:53:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 291.784 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	24.3	36.5





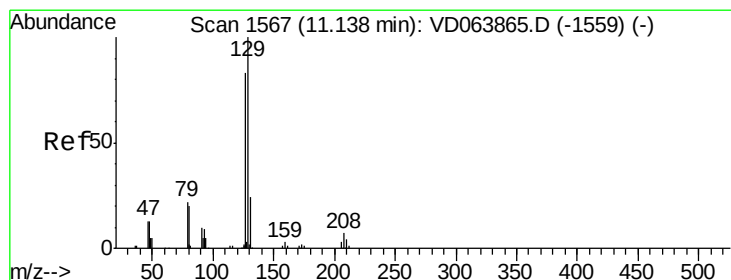
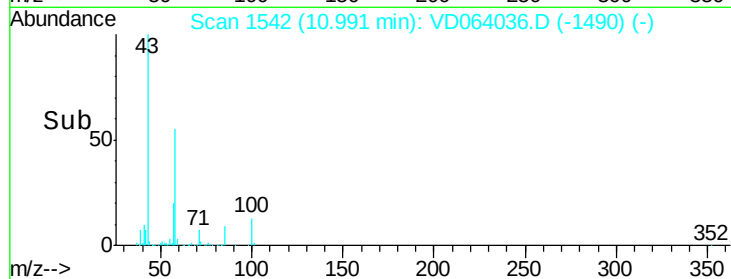
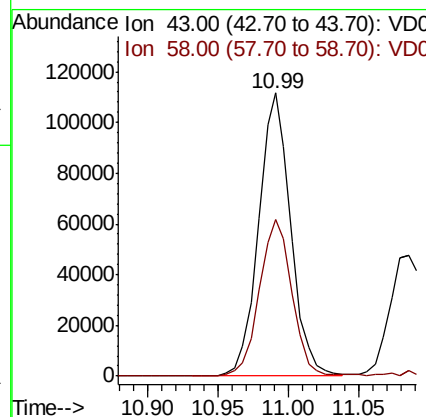
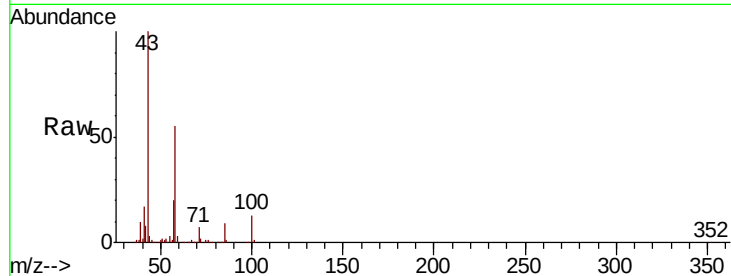
#59
2-Hexanone
Concen: 283.610 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 178089
Ion Ratio Lower Upper
43 100
58 56.3 27.7 83.0

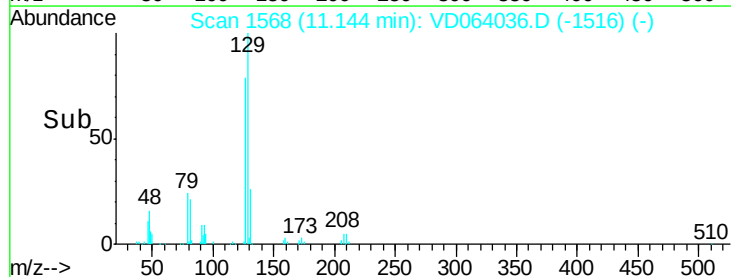
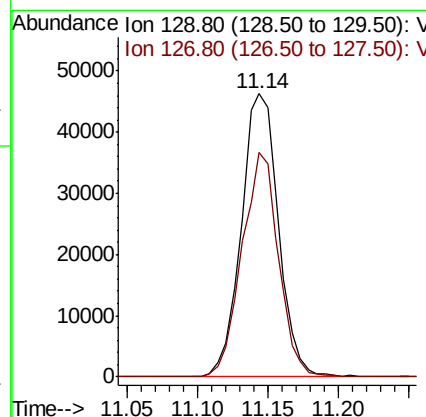
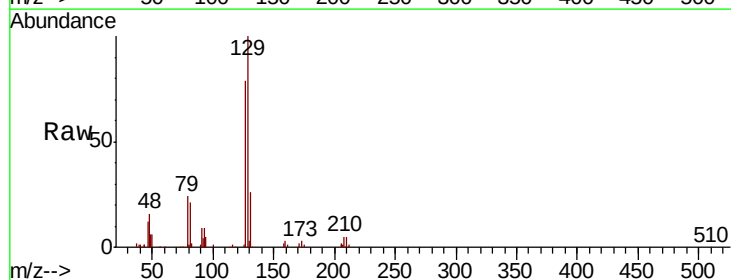
Manual Integrations
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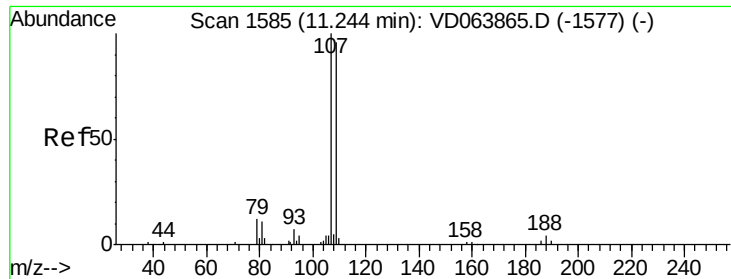
MMDadoda
10/24/2019 4:53:07 PM



#60
Dibromochloromethane
Concen: 58.121 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion: 129 Resp: 85181
Ion Ratio Lower Upper
129 100
127 78.2 39.9 119.6





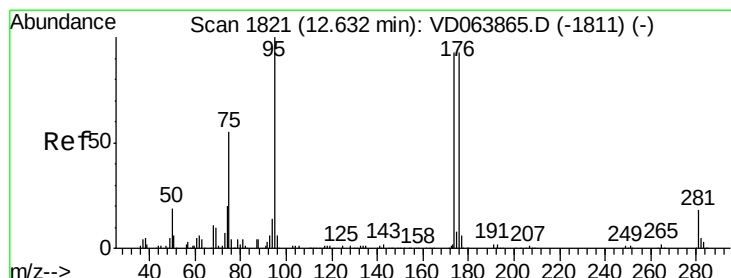
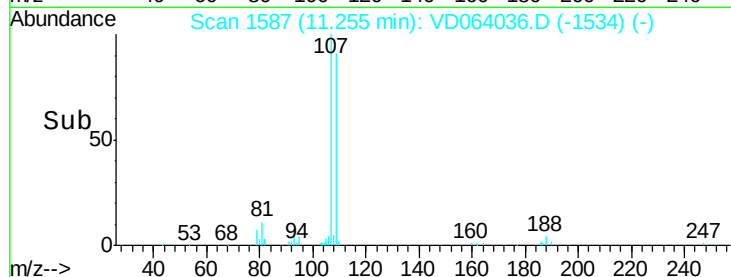
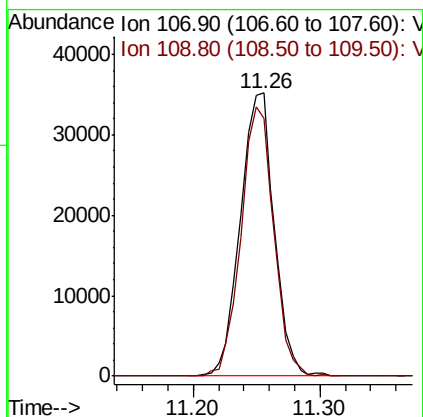
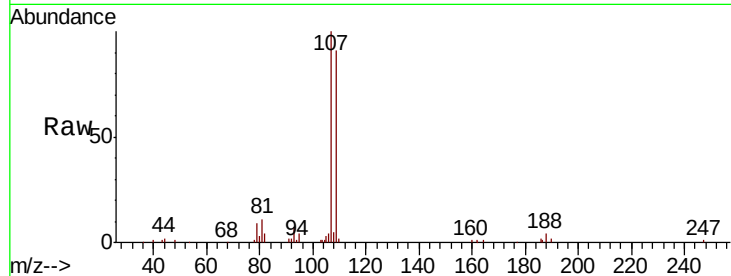
#61
 1,2-Dibromoethane
 Concen: 59.749 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 65207
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.2 112.8

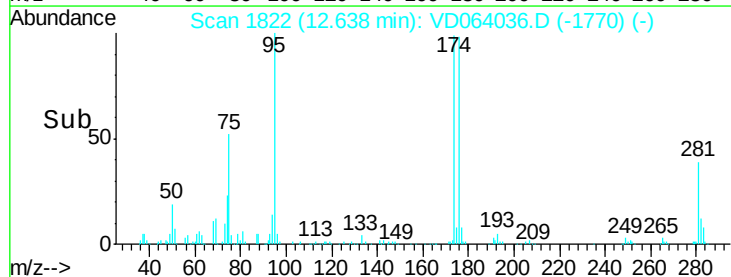
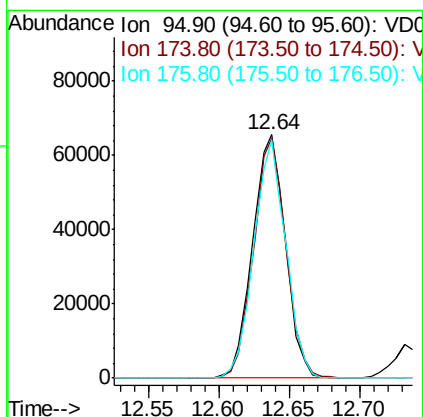
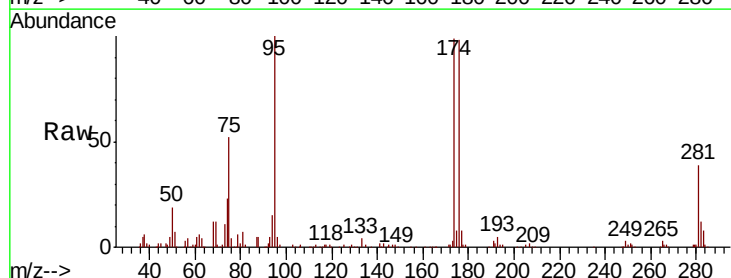
Manual Integrations
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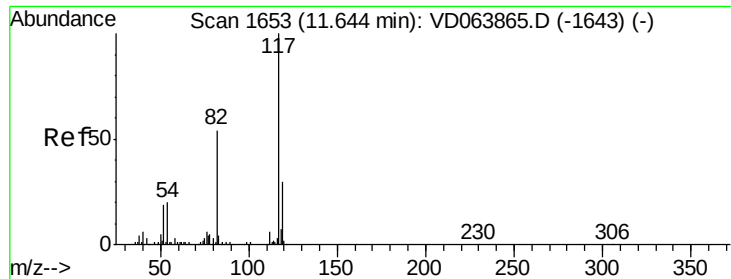
MMDadoda
 10/24/2019 4:53:07 PM



#62
 4-Bromofluorobenzene
 Concen: 56.880 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Tgt Ion: 95 Resp: 107023
 Ion Ratio Lower Upper
 95 100
 174 97.2 0.0 186.4
 176 95.5 0.0 184.2





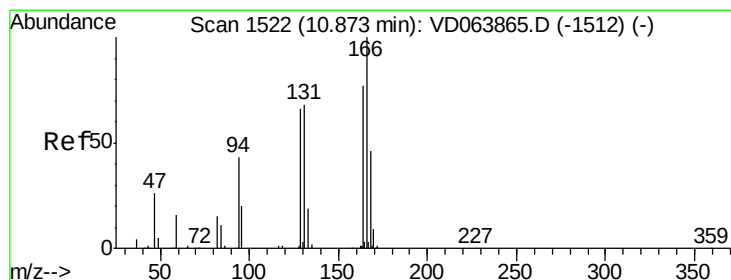
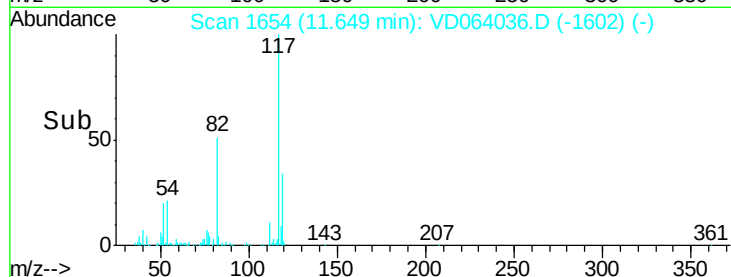
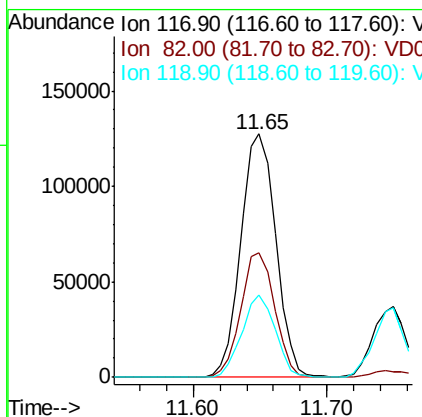
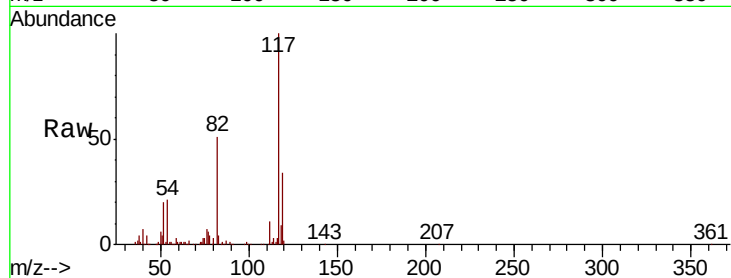
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	42.8	64.2
119	33.9	24.4	36.6

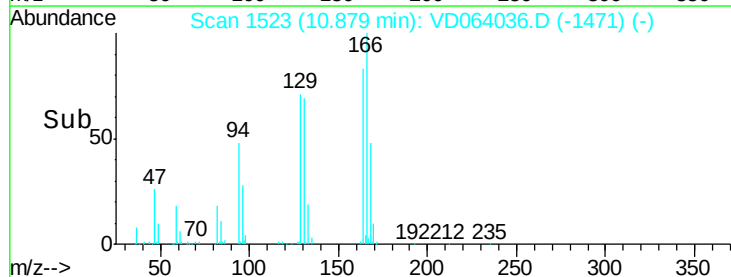
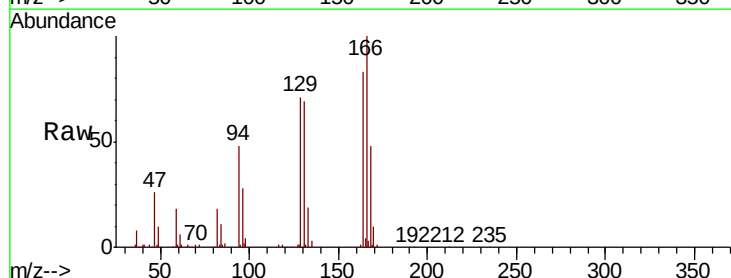
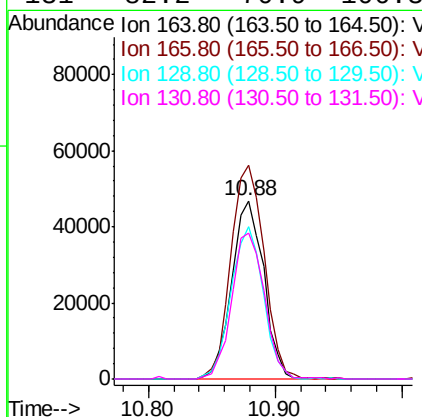
Manual Integrations
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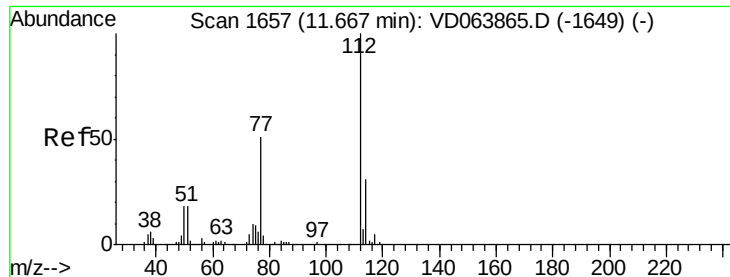
MMDadoda
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#64
Tetrachloroethene
Concen: 52.035 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.9	103.8	155.6
129	85.3	68.9	103.3
131	82.2	70.9	106.3





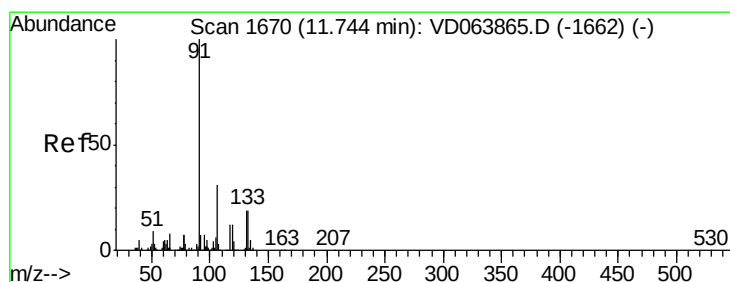
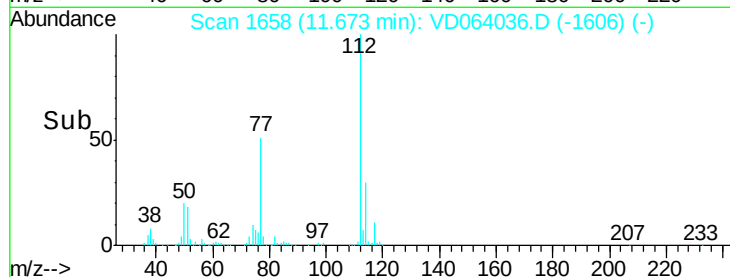
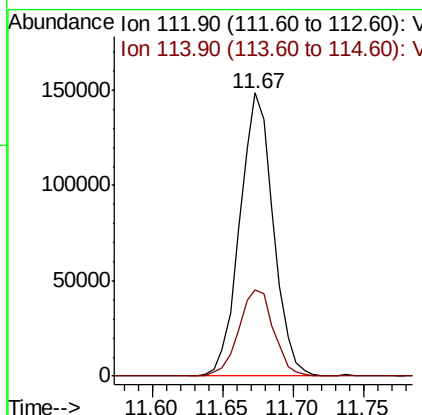
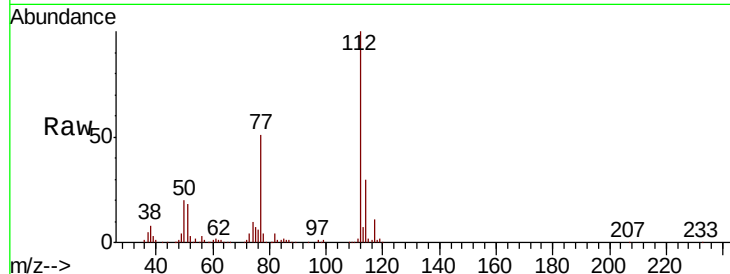
#65
Chlorobenzene
Concen: 53.011 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 245935
Ion Ratio Lower Upper
112 100
114 30.4 25.1 37.7

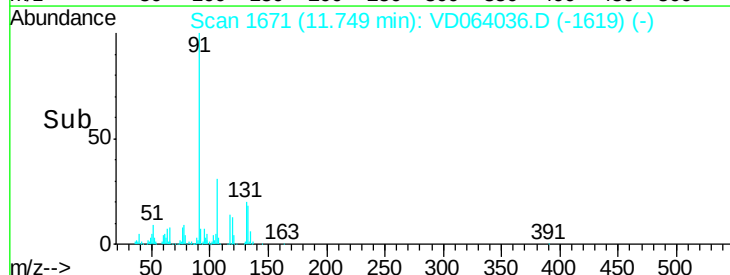
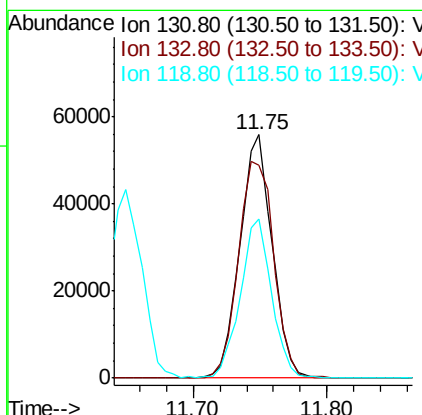
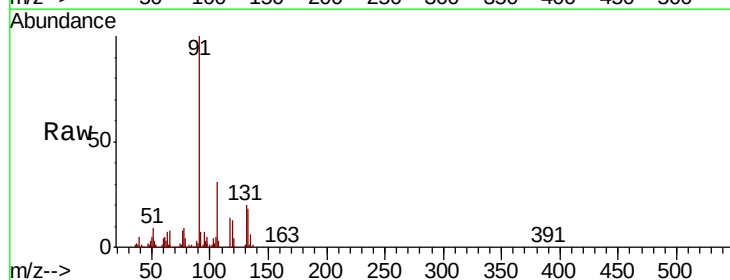
Manual Integrations
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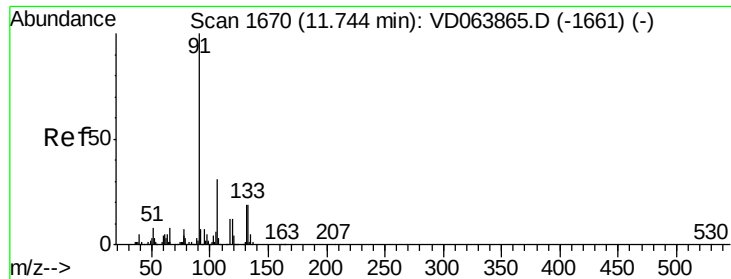
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.364 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion:131 Resp: 92934
Ion Ratio Lower Upper
131 100
133 98.1 48.9 146.7
119 64.0 32.6 97.8





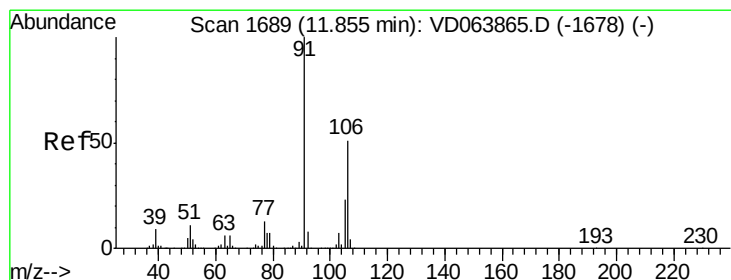
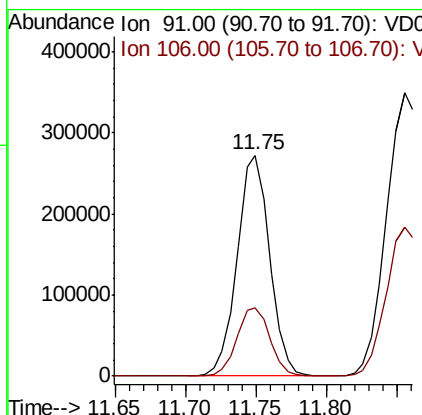
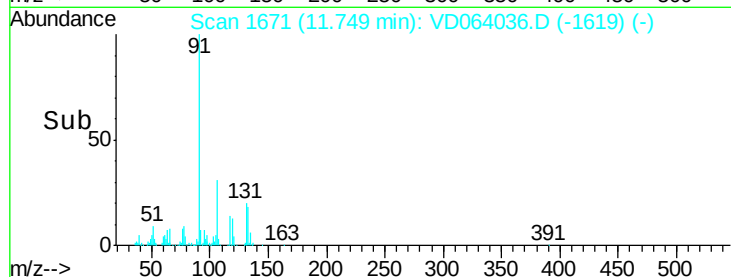
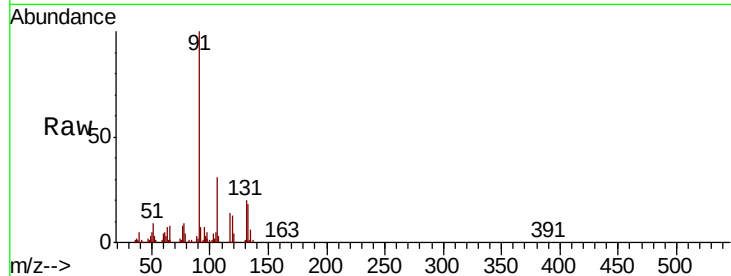
#67
Ethyl Benzene
Concen: 52.450 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 438777
Ion Ratio Lower Upper
91 100
106 31.2 24.6 37.0

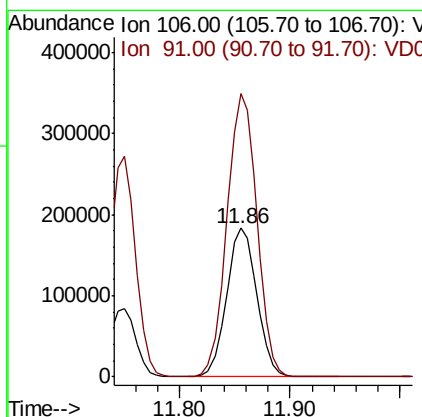
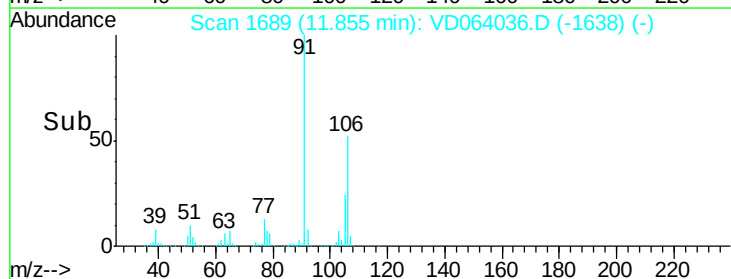
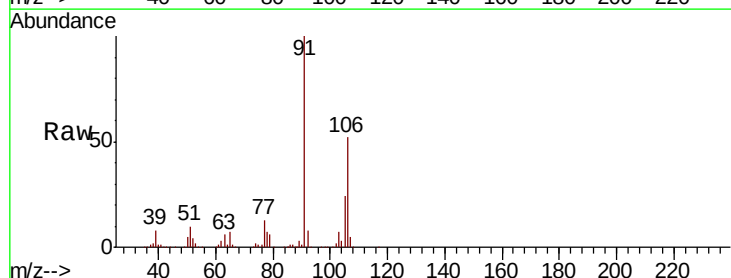
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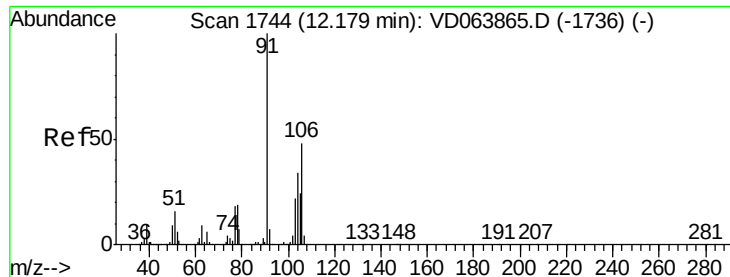
MMDadoda
10/24/2019 4:53:07 PM



#68
m/p-Xylenes
Concen: 108.641 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion: 106 Resp: 350798
Ion Ratio Lower Upper
106 100
91 189.3 154.8 232.2





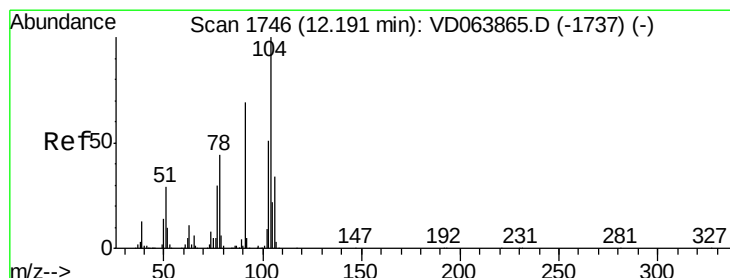
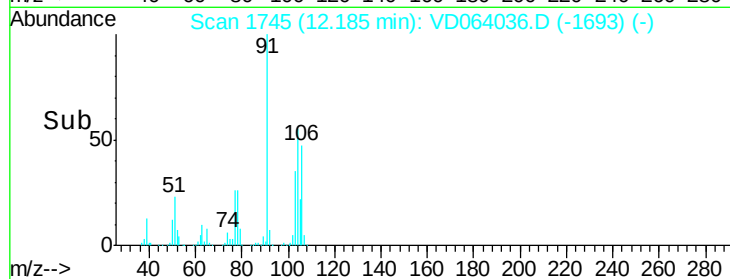
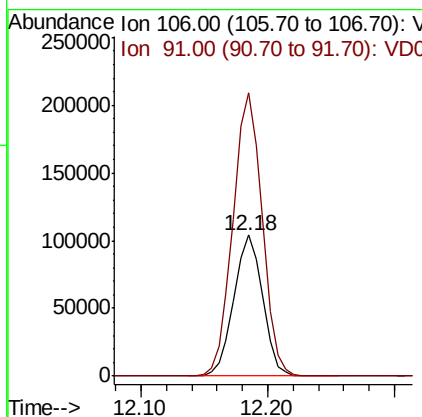
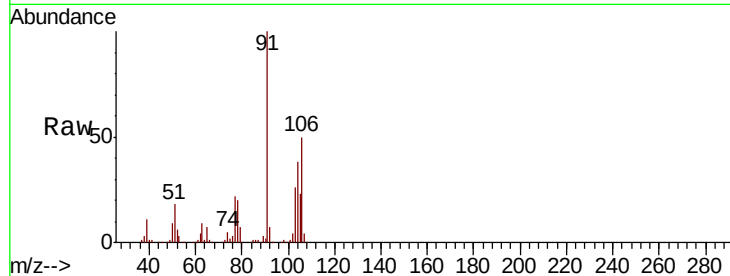
#69
o-Xylene
Concen: 52.884 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	204.0	103.9	311.7	

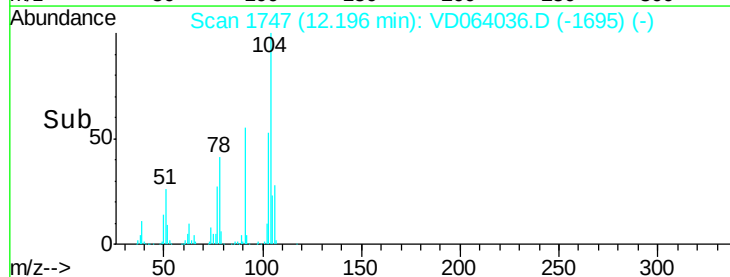
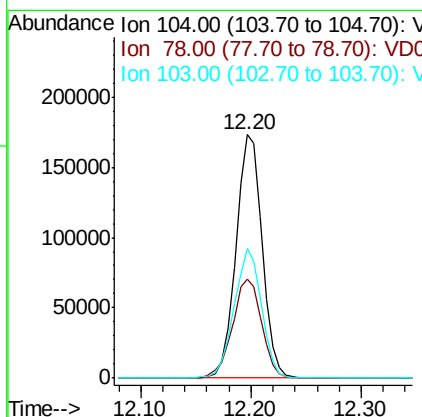
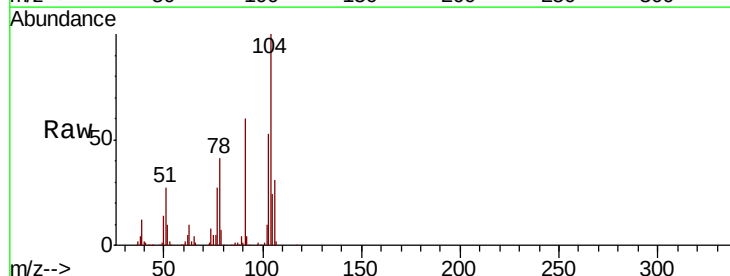
Manual Integrations
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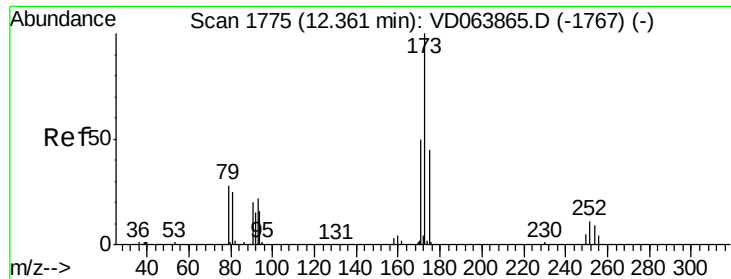
MMDadoda
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#70
Styrene
Concen: 54.944 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	45.7	37.0	55.4	
103	55.9	44.2	66.4	





#71

Bromoform

Concen: 58.151 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 53350

Ion Ratio Lower Upper

173 100

175 47.6 24.6 74.0

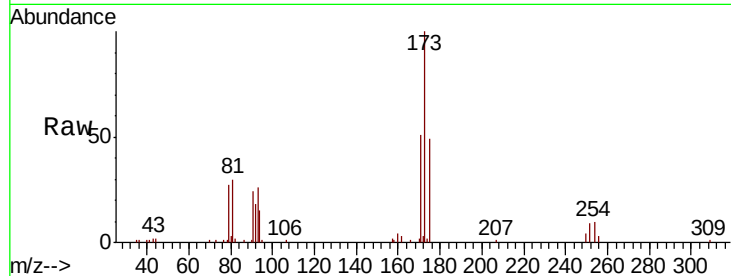
254 0.1 0.0 0.0#

Manual Integrations

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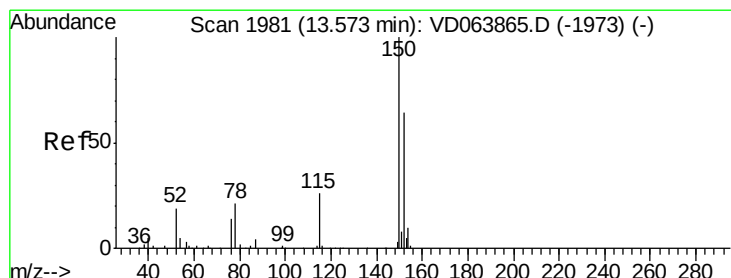
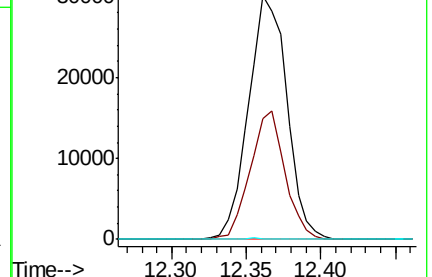
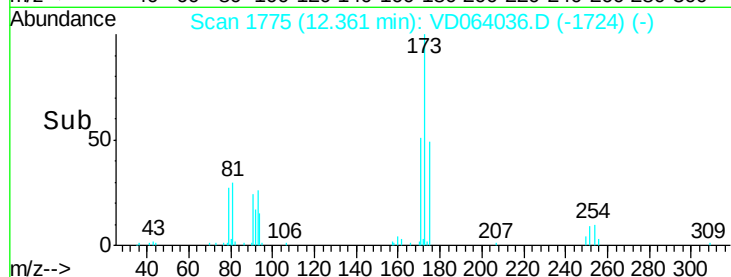
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

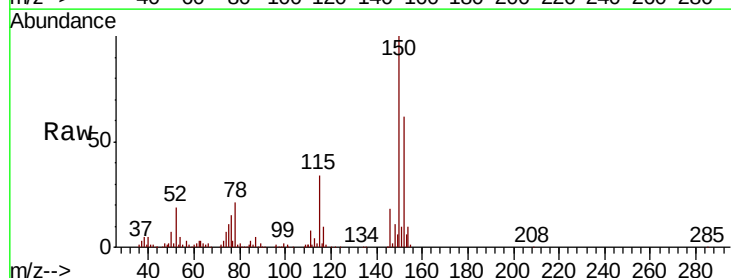
Tgt Ion:152 Resp: 135768

Ion Ratio Lower Upper

152 100

115 53.9 25.9 77.7

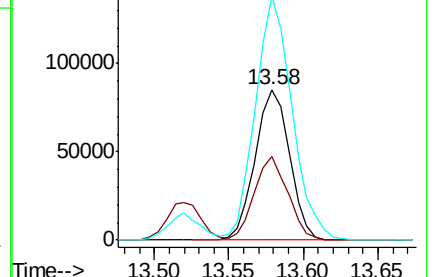
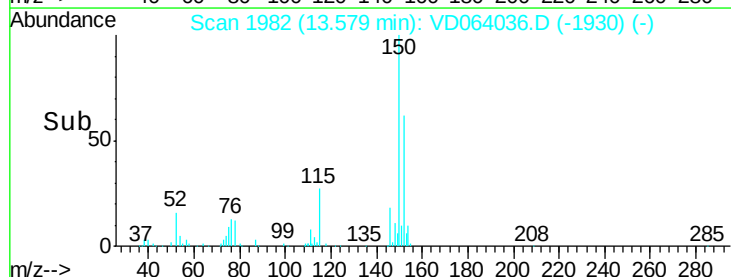
150 173.4 0.0 344.2

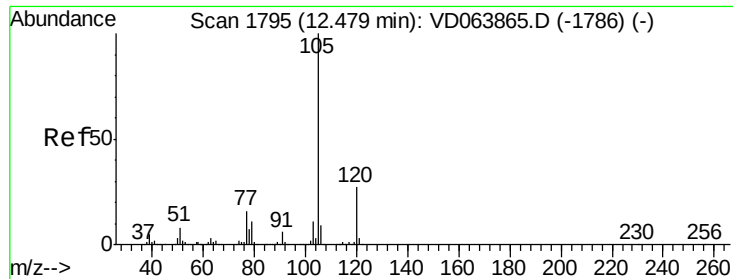


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 47.086 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 429750

Ion Ratio Lower Upper

105 100

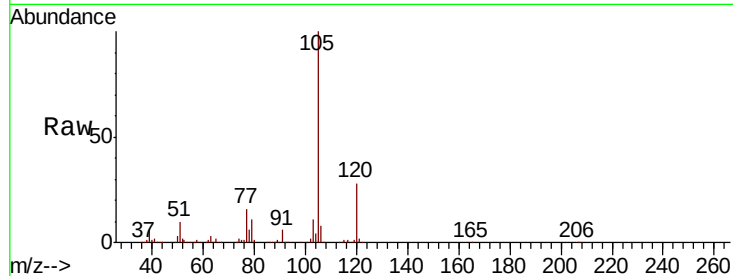
120 28.5 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

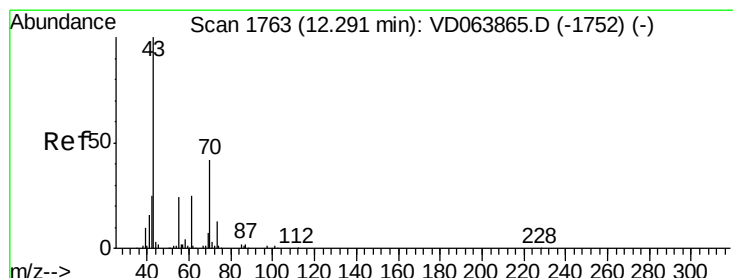
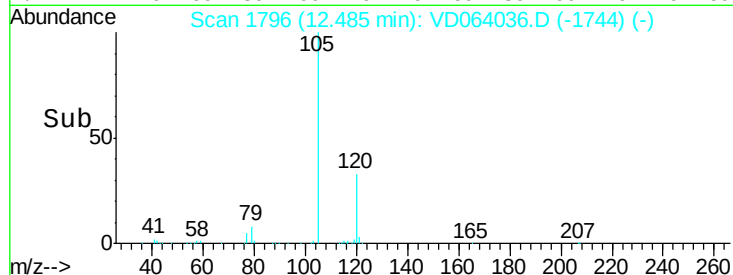
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 45.829 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Tgt Ion: 43 Resp: 90057

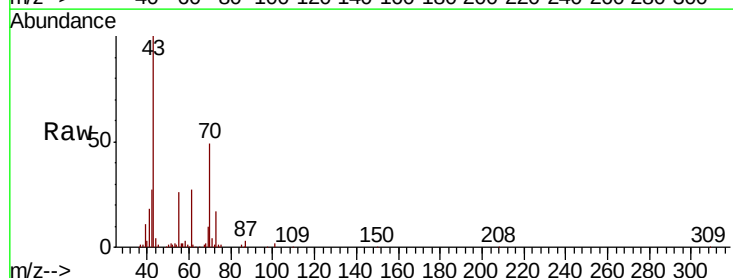
Ion Ratio Lower Upper

43 100

70 46.1 35.8 53.6

55 29.0 19.4 29.0

61 25.4 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

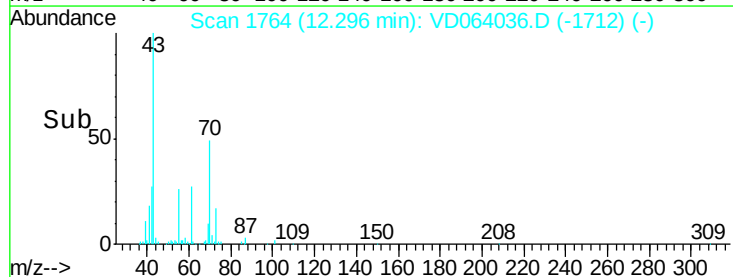
60000

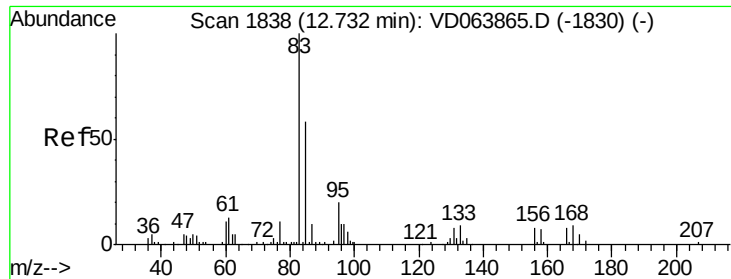
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.798 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

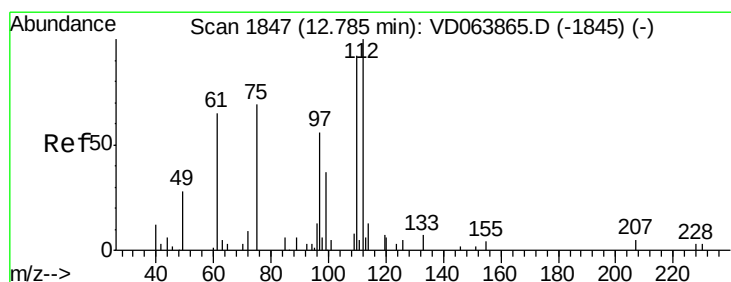
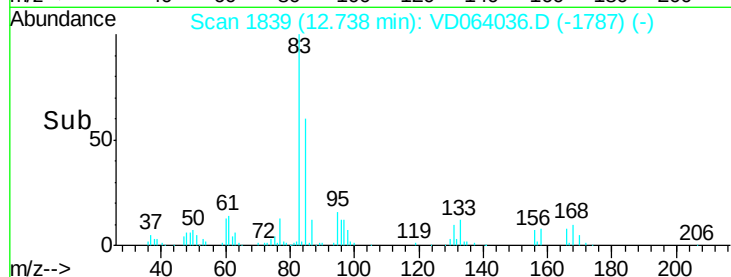
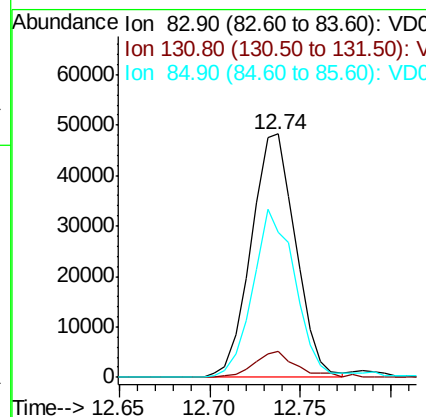
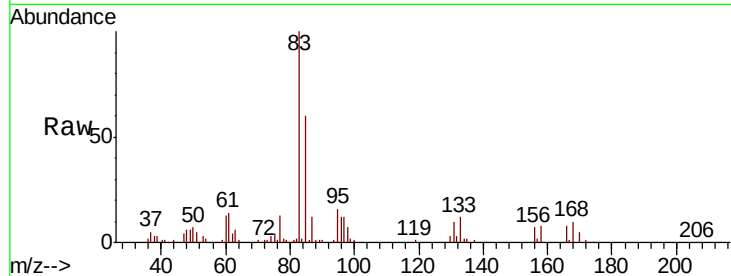
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	82267
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.6	16.8
85	65.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.201 ug/l m

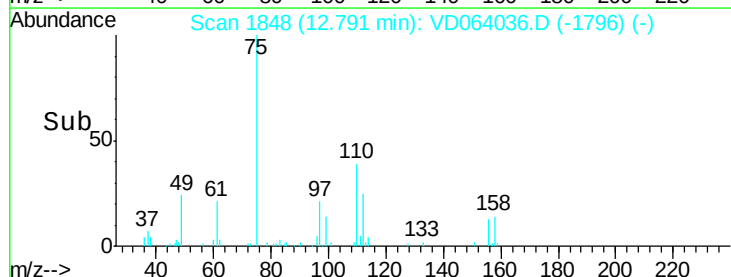
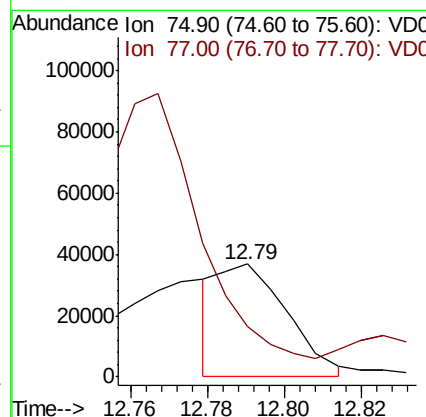
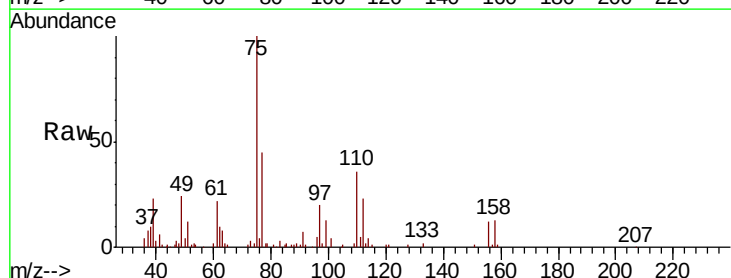
RT: 12.79 min Scan# 1848

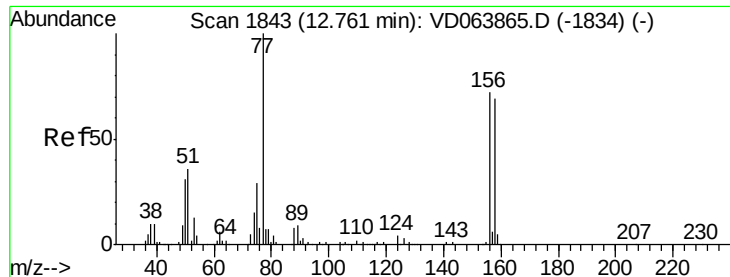
Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Tgt Ion:	75	Resp:	45650
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.452 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 116998

Ion Ratio Lower Upper

156 100

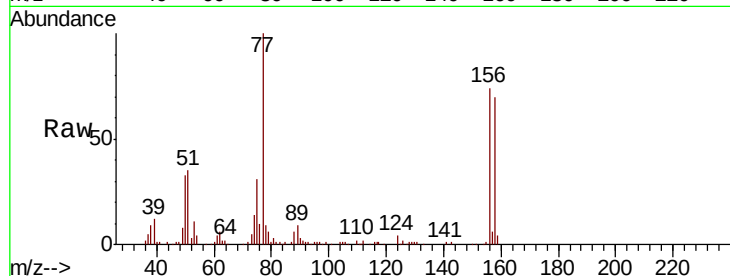
77 150.8 80.3 241.0

158 94.6 47.4 142.2

Manual Integrations
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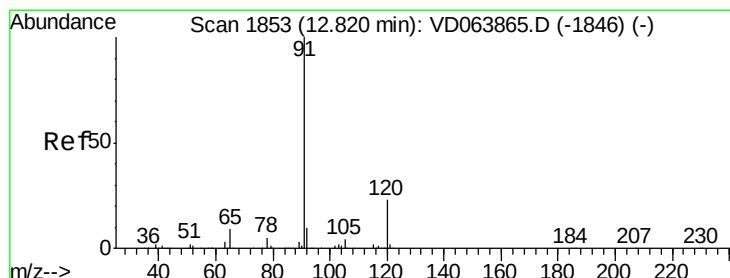
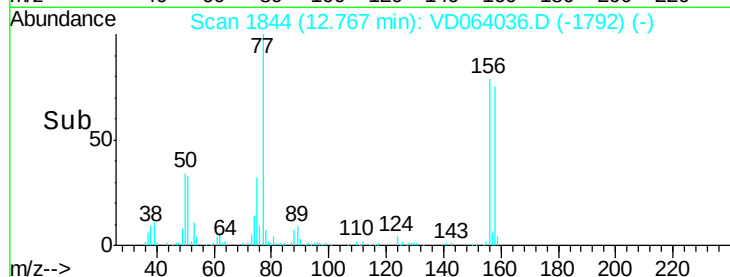
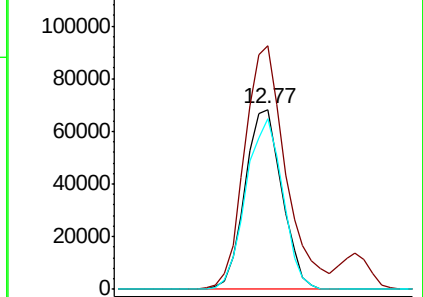
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.813 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064036.D

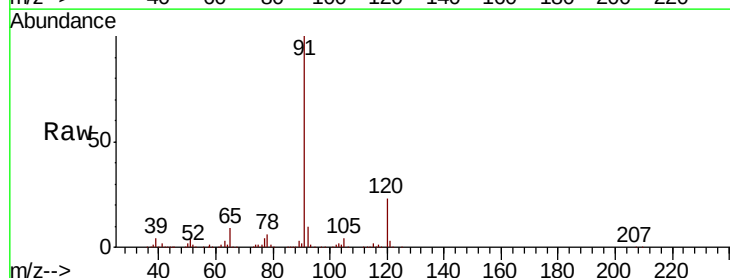
Acq: 23 Oct 2019 22:25

Tgt Ion: 91 Resp: 522942

Ion Ratio Lower Upper

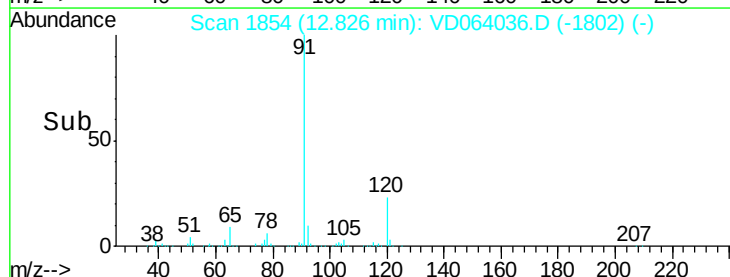
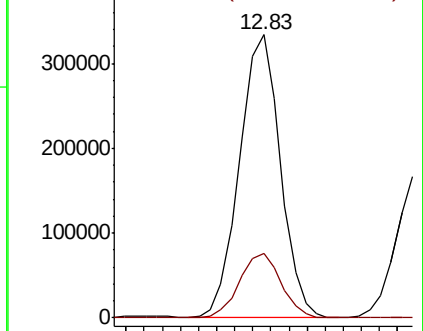
91 100

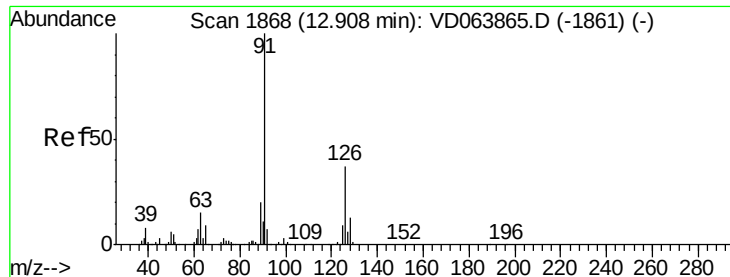
120 23.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





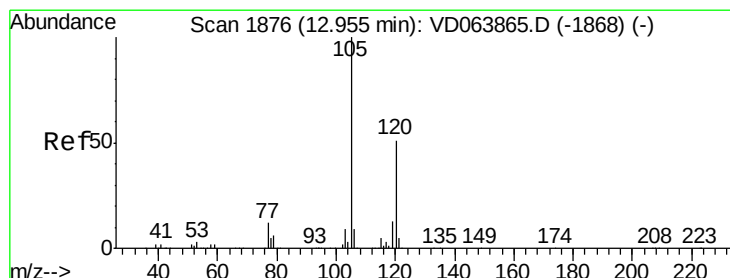
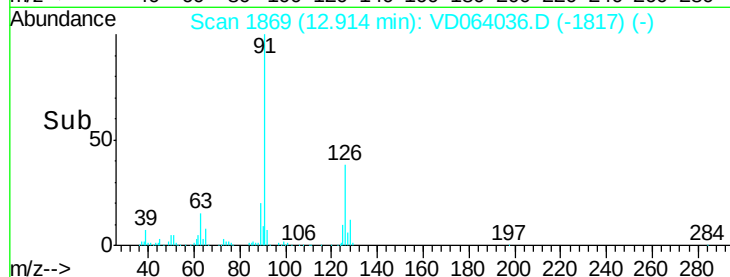
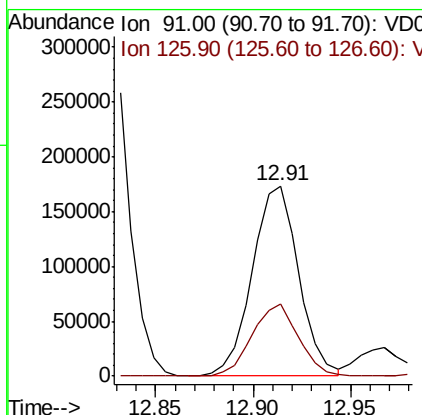
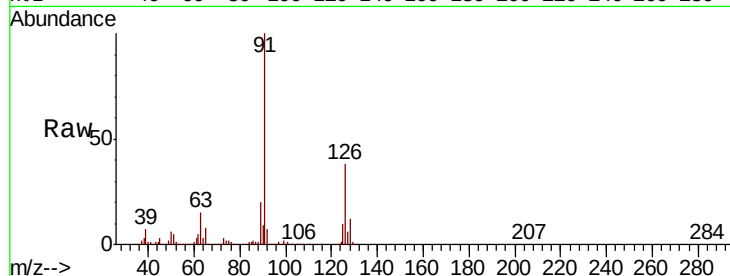
#79
 2-Chlorotoluene
 Concen: 48.503 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 286516
 Ion Ratio Lower Upper
 91 100
 126 37.8 18.4 55.2

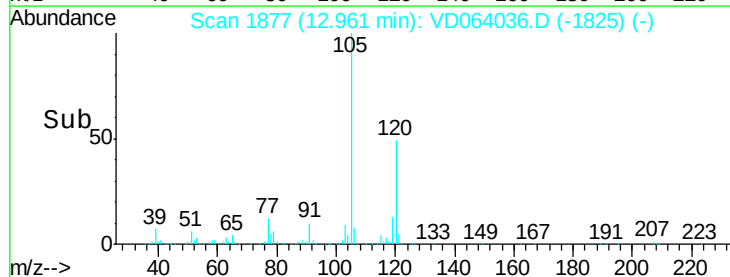
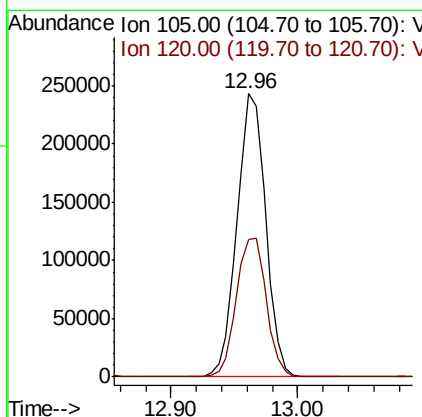
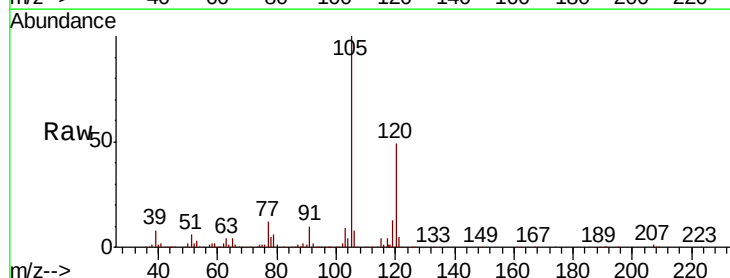
Manual Integrations
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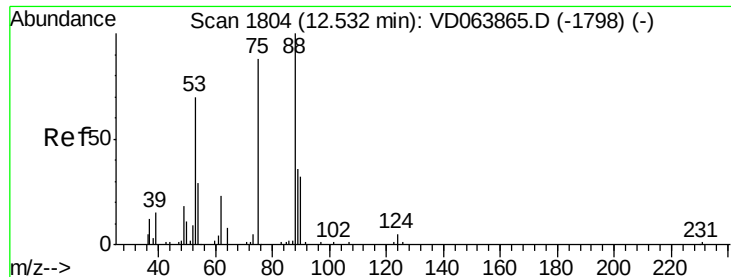
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.941 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Tgt Ion: 105 Resp: 380270
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.9 77.8





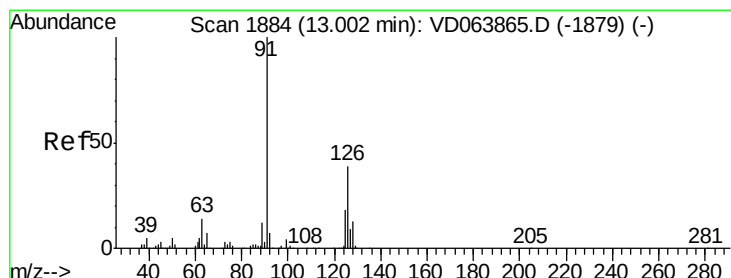
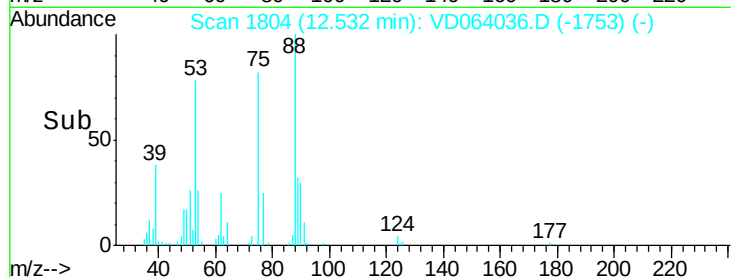
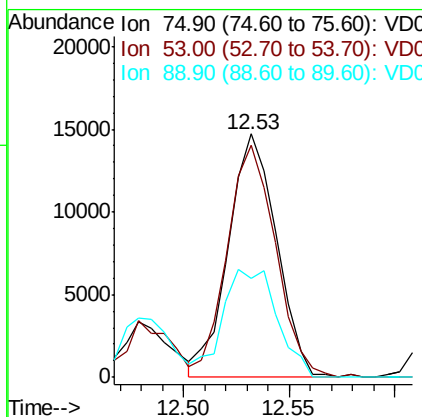
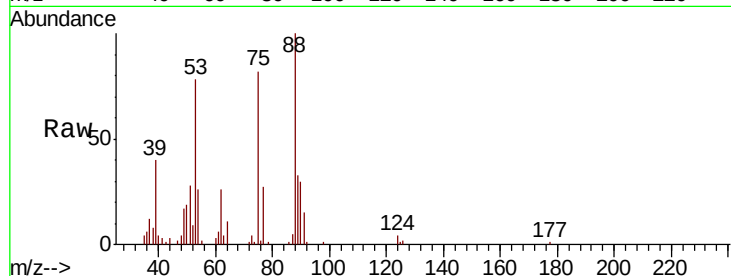
#81
trans-1,4-Dichloro-2-butene
Concen: 45.208 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.6	75.0	112.6
89	50.3	38.2	57.4

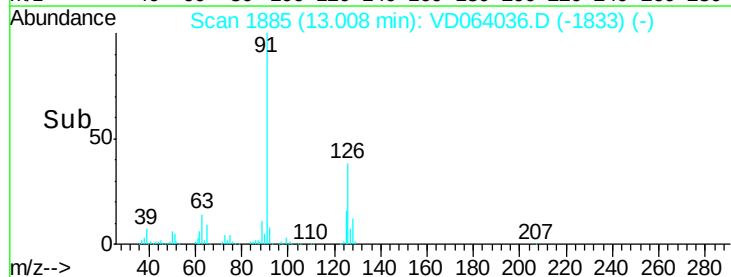
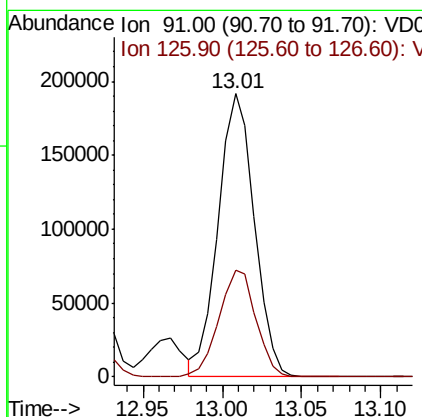
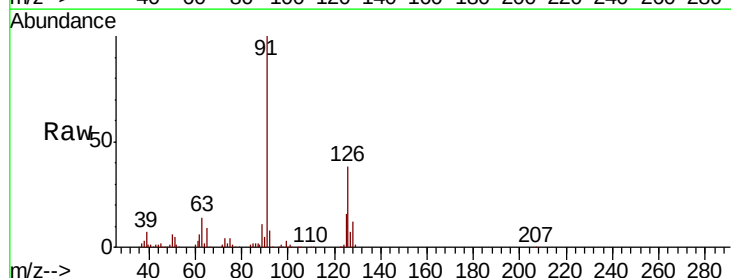
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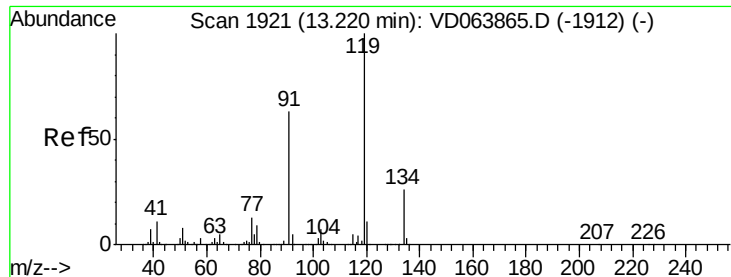
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#82
4-Chlorotoluene
Concen: 48.371 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.6	18.6	55.8





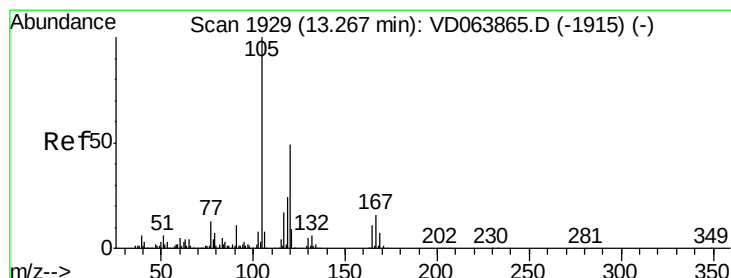
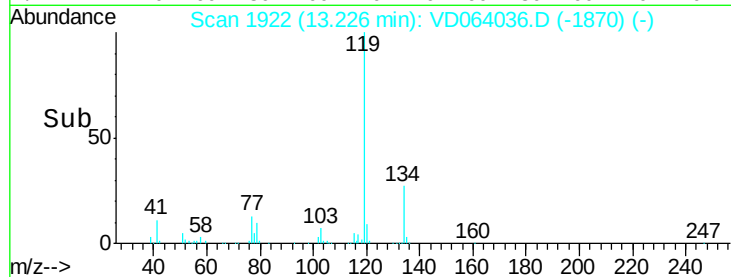
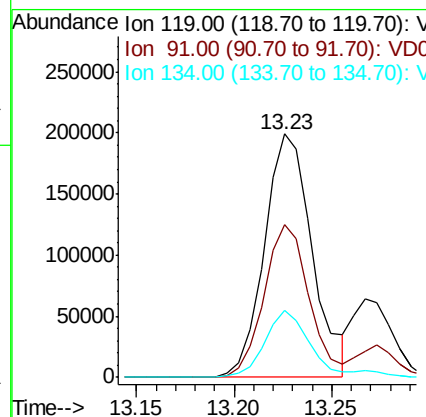
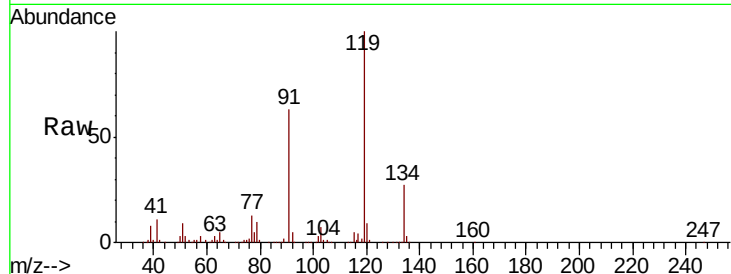
#83
 tert-Butylbenzene
 Concen: 49.884 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.0	30.0	90.0
134	26.9	13.0	38.9

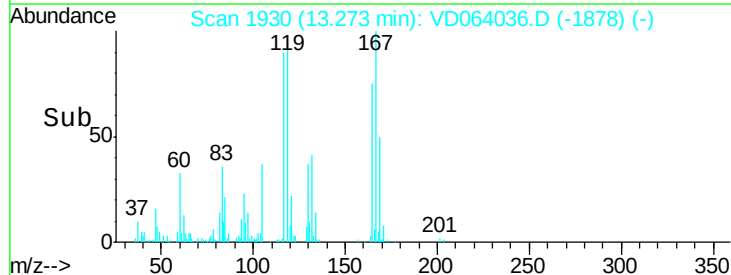
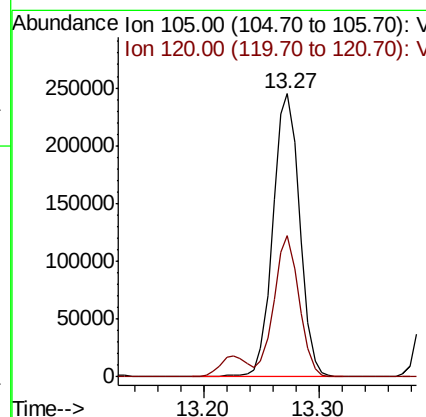
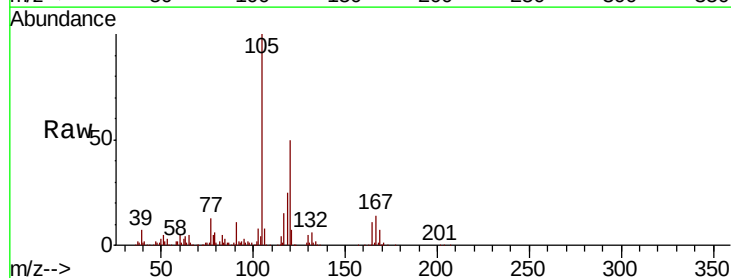
Manual Integrations
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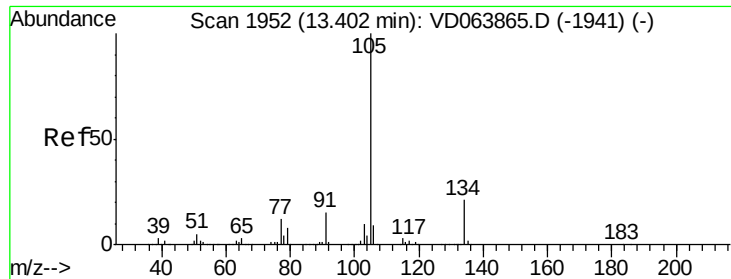
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.377 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.8	71.5





#85

sec-Butylbenzene

Concen: 49.540 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 453373

Ion Ratio Lower Upper

105 100

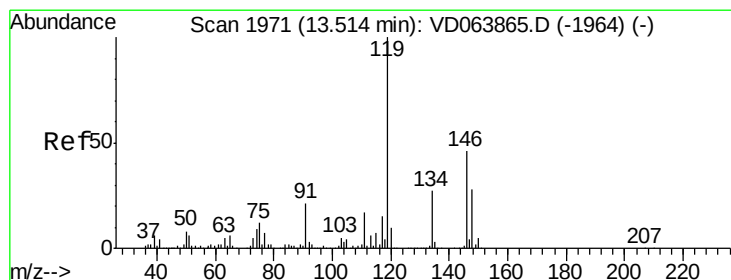
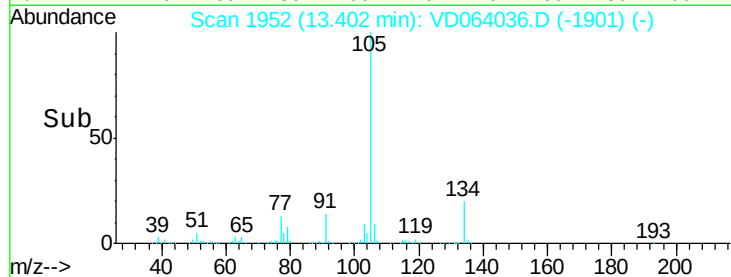
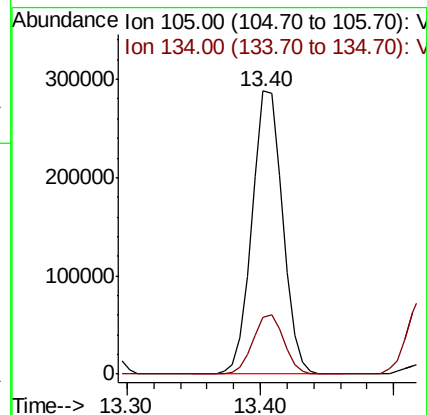
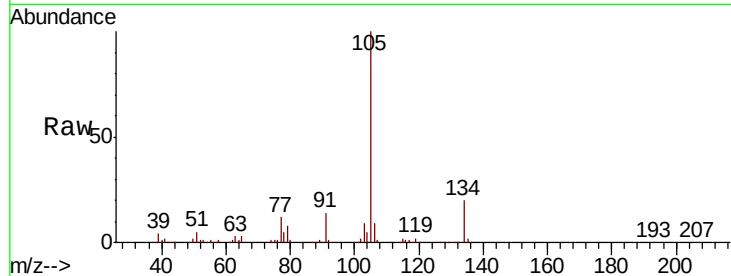
134 21.3 10.6 31.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.913 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064036.D

Acq: 23 Oct 2019 22:25

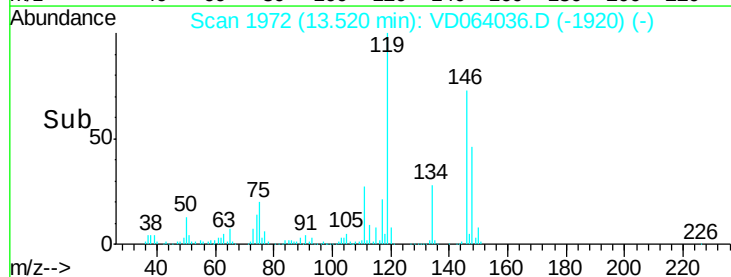
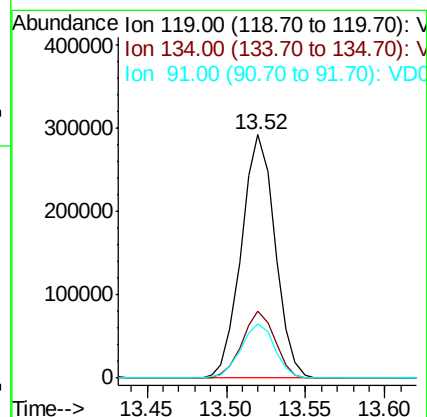
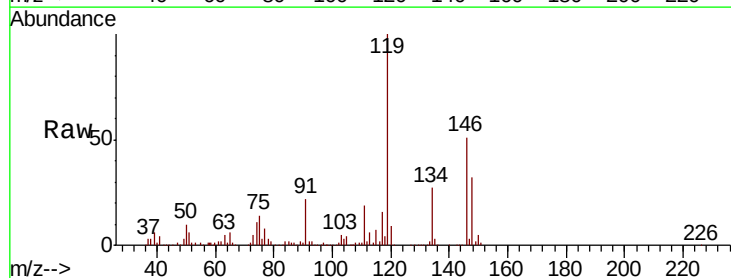
Tgt Ion:119 Resp: 432247

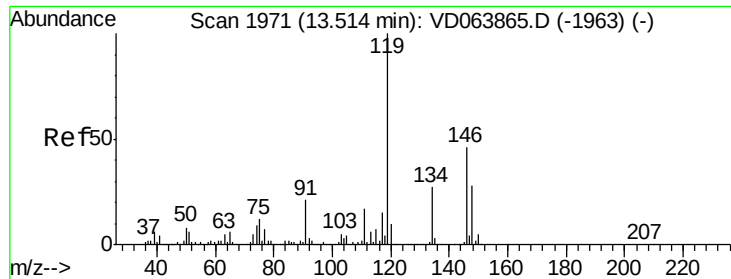
Ion Ratio Lower Upper

119 100

134 26.7 13.9 41.6

91 22.6 11.2 33.5





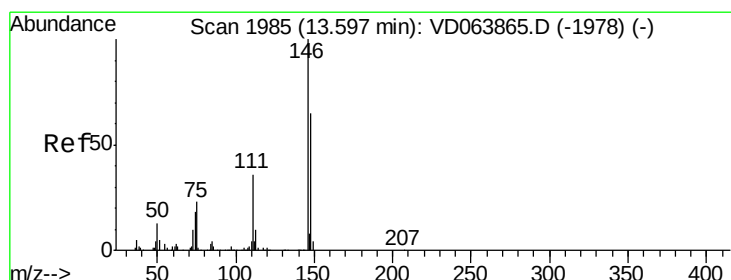
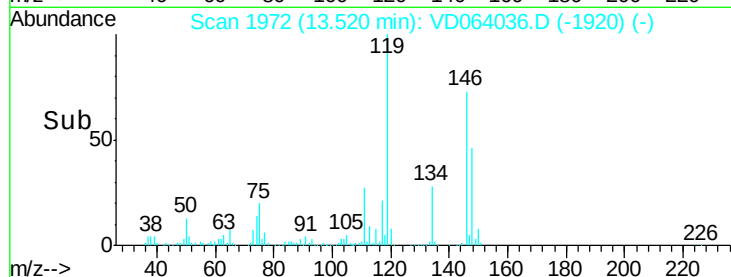
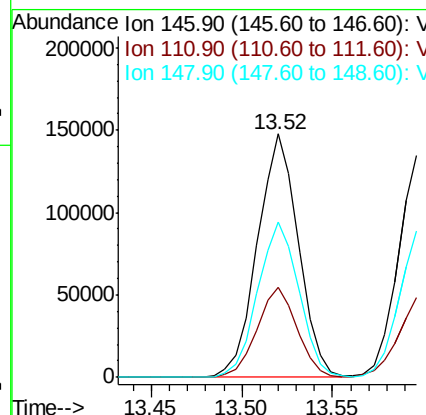
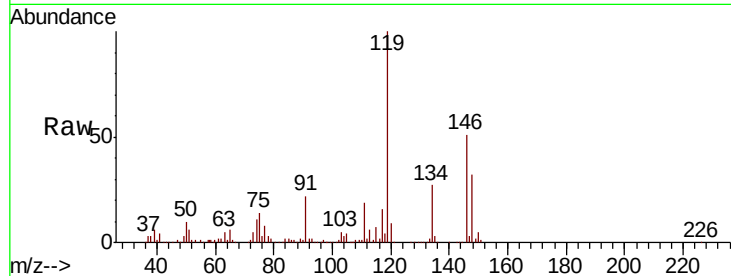
#87
 1,3-Dichlorobenzene
 Concen: 51.414 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.3	54.9
148	64.3	31.8	95.4

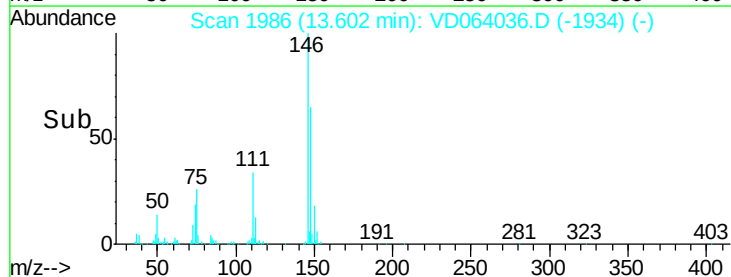
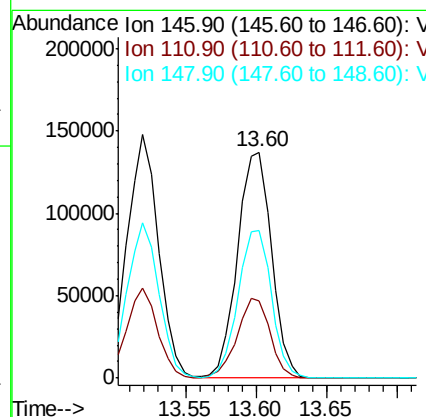
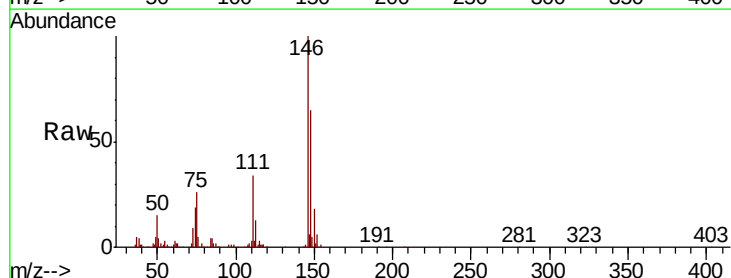
Manual Integrations
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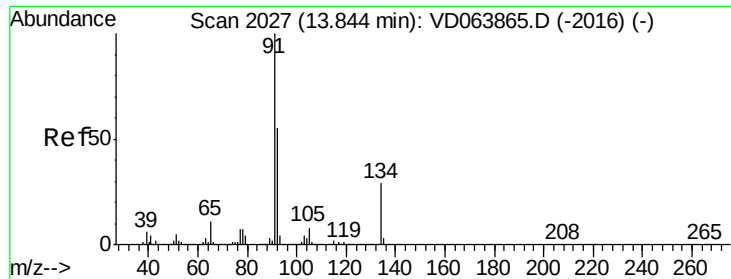
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 10/24/2019 4:53:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.287 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.2	18.6	56.0
148	64.1	32.6	98.0





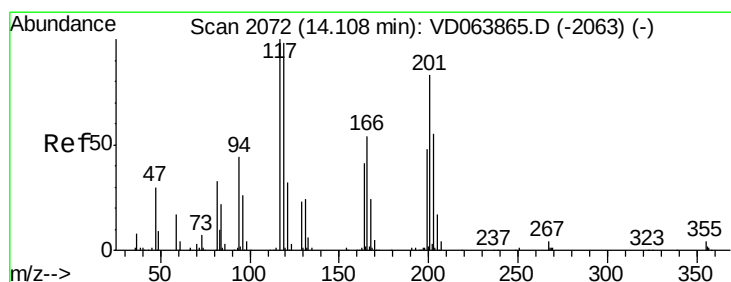
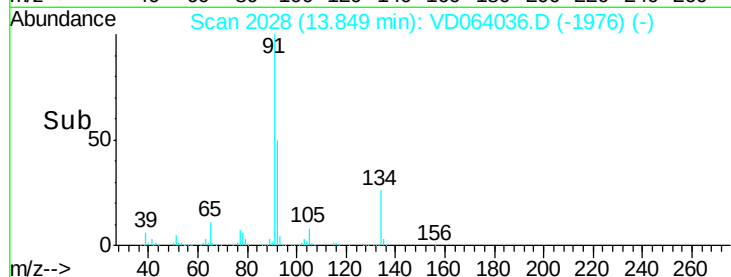
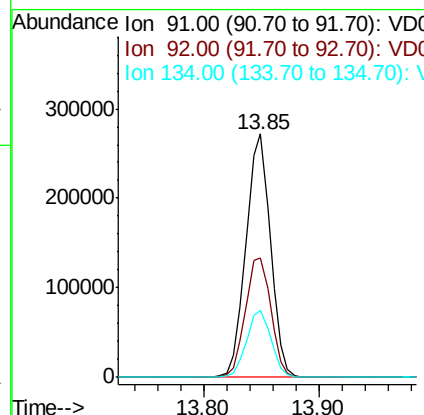
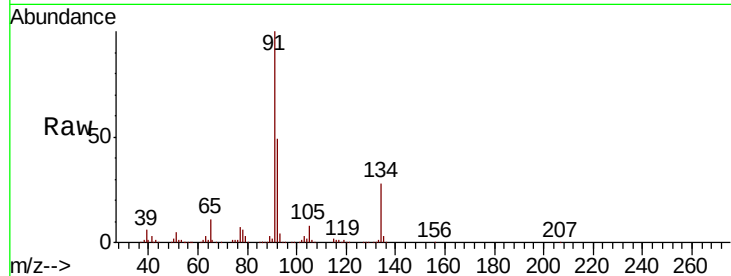
#89
n-Butylbenzene
Concen: 49.632 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.8	80.3
134	27.8	14.4	43.0

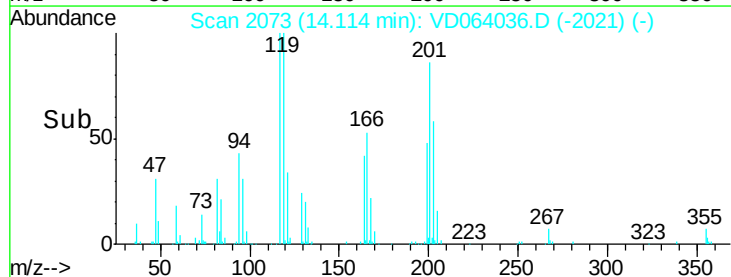
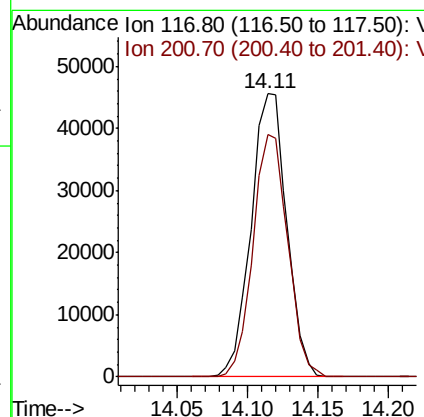
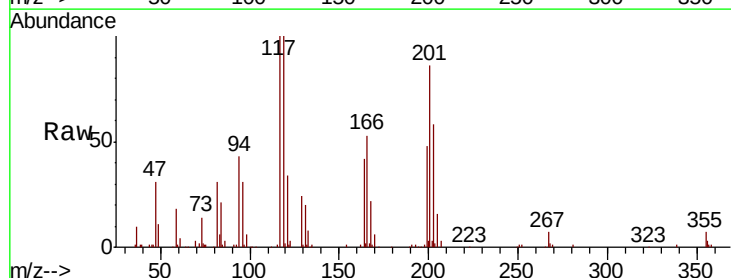
Manual Integrations
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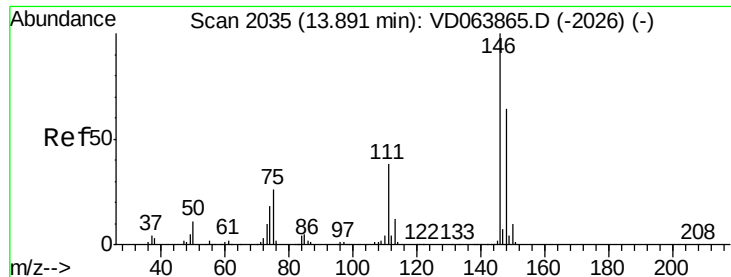
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10/24/2019 4:53:07 PM



#90
Hexachloroethane
Concen: 52.182 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.0	40.6	121.7





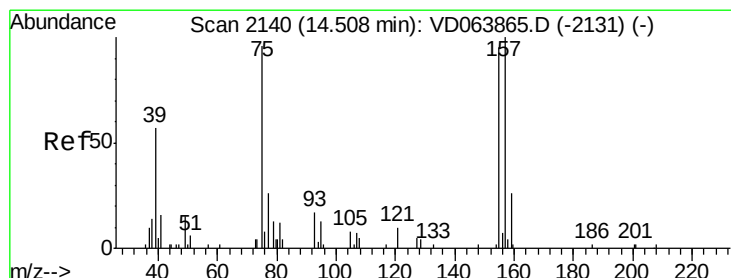
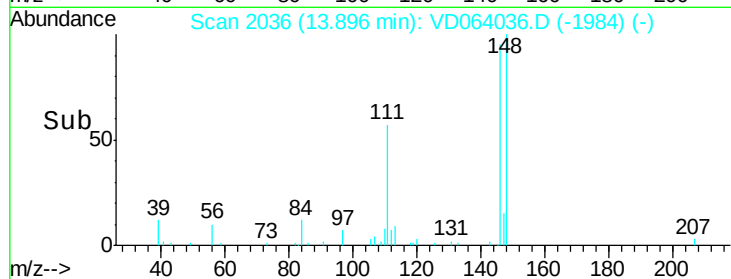
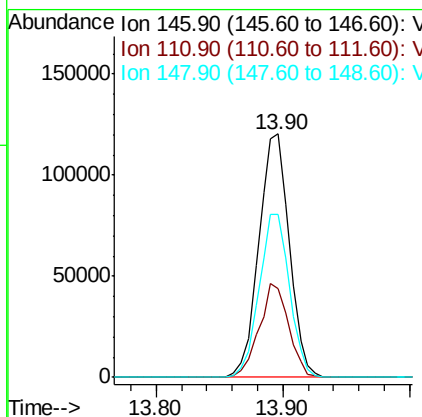
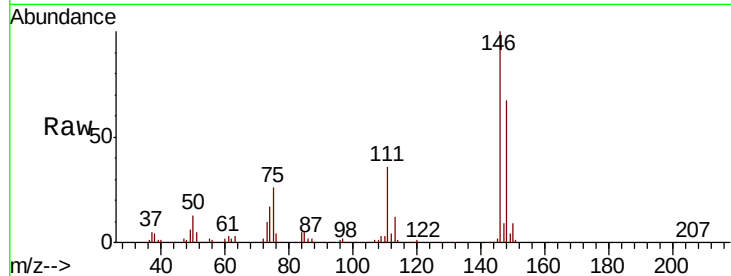
#91
1,2-Dichlorobenzene
Concen: 51.899 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.6	55.6
148	67.4	31.6	95.0

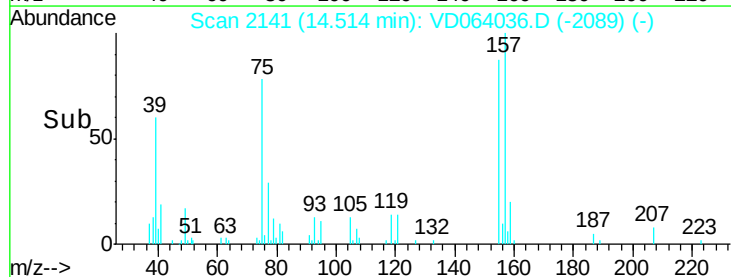
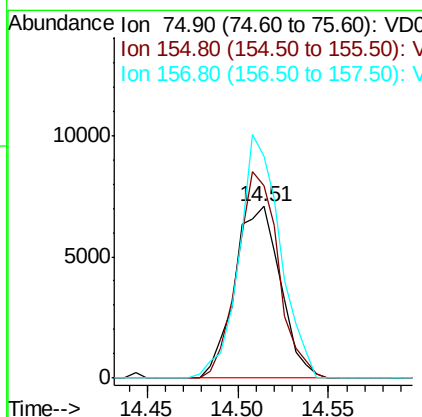
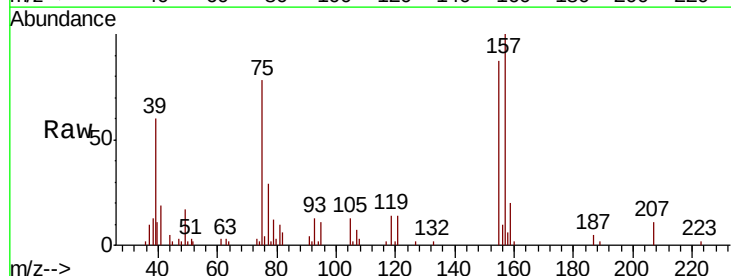
Manual Integrations
APPROVED

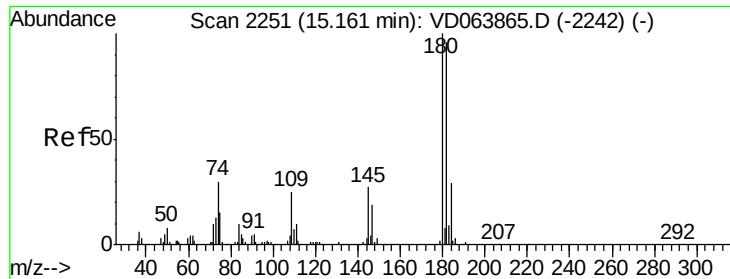
MMDadoda
10/24/2019 4:53:07 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 50.455 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	108.0	43.9	131.6
157	126.8	56.0	167.9





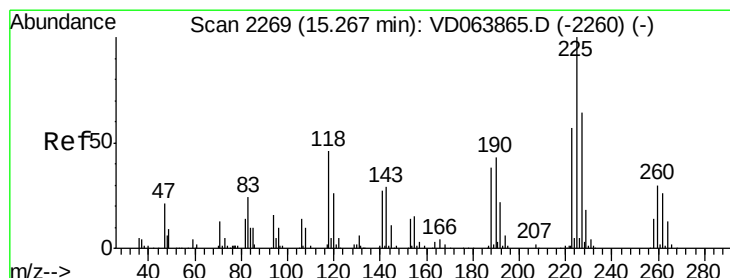
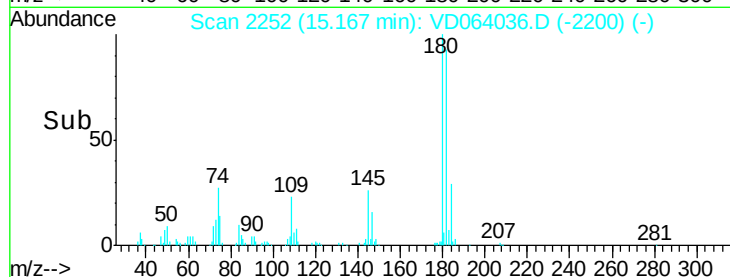
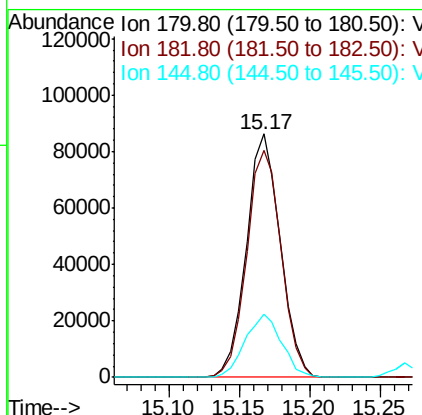
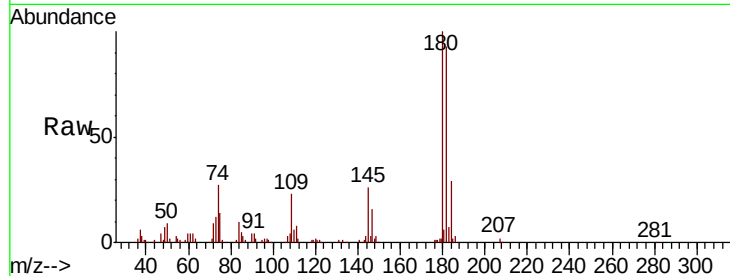
#93
 1,2,4-Trichlorobenzene
 Concen: 48.680 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145439		
182	94.8	47.4	142.3	
145	27.7	13.9	41.7	

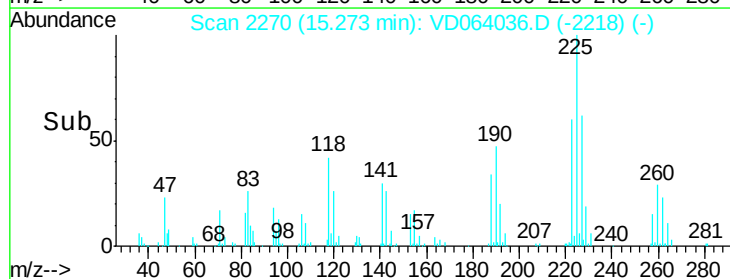
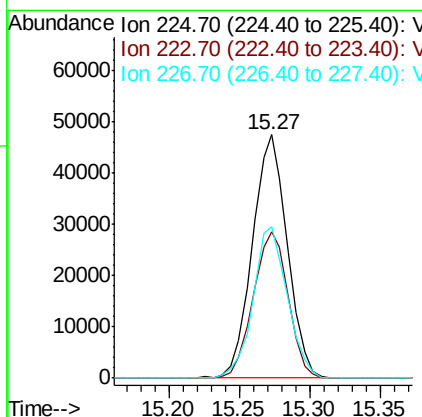
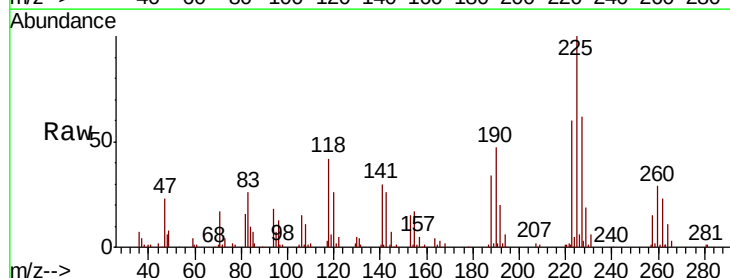
Manual Integrations
 APPROVED

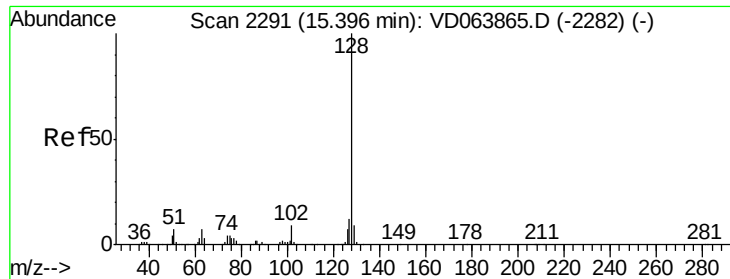
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 49.733 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064036.D
 Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	81995		
223	60.3	29.5	88.6	
227	61.3	30.8	92.4	





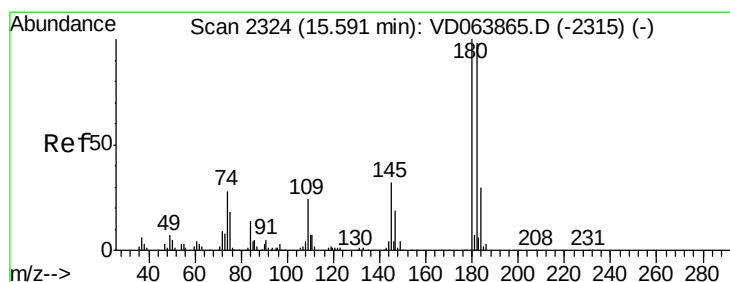
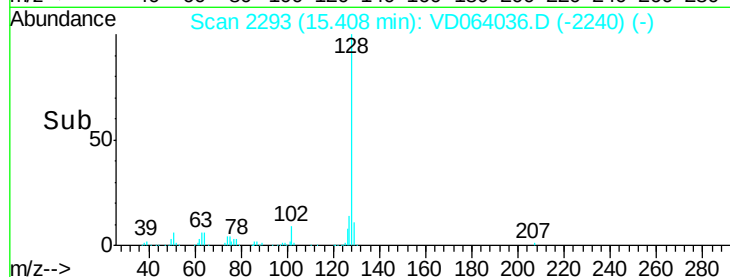
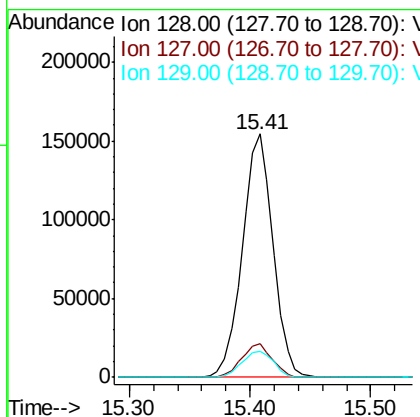
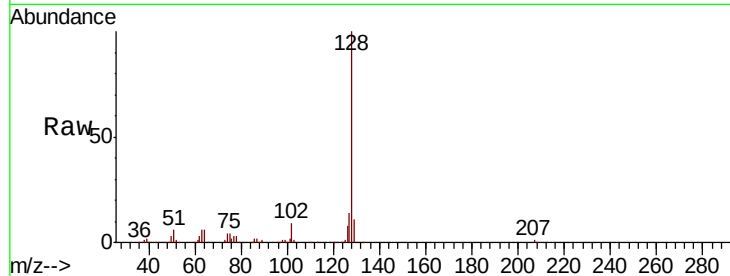
#95
Naphthalene
Concen: 54.447 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	273412		
127	13.9		10.6	16.0
129	11.1		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:53:07 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.904 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD064036.D
Acq: 23 Oct 2019 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	133796		
182	94.4		47.0	141.0
145	29.7		15.3	45.9

