

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101619\
 Data File : VD063983.D
 Acq On : 16 Oct 2019 13:14
 Operator : VA/SY
 Sample : VD1016SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:49:49 AM

Quant Time: Oct 16 14:06:04 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	177706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	277403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	272254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141154	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	81188	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	
35) Dibromofluoromethane	7.92	113	84777	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
50) Toluene-d8	10.34	98	357982	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.64	95	116176	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	25271	20.052	ug/l	98
3) Chloromethane	2.21	50	71602	18.252	ug/l	95
4) Vinyl Chloride	2.35	62	85166	20.909	ug/l	97
5) Bromomethane	2.76	94	54388	20.770	ug/l	92
6) Chloroethane	2.92	64	58310	21.647	ug/l	93
7) Trichlorofluoromethane	3.27	101	120225	22.325	ug/l	93
8) Diethyl Ether	3.71	74	15871	18.361	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	4.09	101	31899	21.399	ug/l	98
10) Methyl Iodide	4.30	142	38138	18.567	ug/l	97
11) Tert butyl alcohol	5.26	59	4600m	31.254	ug/l	
12) 1,1-Dichloroethene	4.06	96	31292	21.011	ug/l	93
13) Acrolein	3.92	56	10000	64.716	ug/l	89
14) Allyl chloride	4.71	41	49756	20.095	ug/l	97
15) Acrylonitrile	5.43	53	36548	95.903	ug/l	99
16) Acetone	4.16	43	37838	84.002	ug/l #	88
17) Carbon Disulfide	4.40	76	96318	17.791	ug/l #	93
18) Methyl Acetate	4.73	43	19557	22.198	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	70736	18.342	ug/l #	88
20) Methylene Chloride	4.96	84	43799	20.115	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	36432	19.650	ug/l #	85
22) Diisopropyl ether	6.37	45	99082	19.593	ug/l	95
23) Vinyl Acetate	6.31	43	284381	94.531	ug/l	97
24) 1,1-Dichloroethane	6.27	63	61842	19.854	ug/l #	90
25) 2-Butanone	7.23	43	47833	89.605	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	55297	19.625	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	40987	19.531	ug/l	98
28) Bromochloromethane	7.55	49	20240	18.318	ug/l	94
29) Tetrahydrofuran	7.57	42	29256	93.895	ug/l	97
30) Chloroform	7.71	83	67902	20.071	ug/l	93
31) Cyclohexane	7.98	56	62649	22.099	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	62307	21.470	ug/l	97
36) 1,1-Dichloropropene	8.12	75	56407	22.239	ug/l	97
37) Ethyl Acetate	7.30	43	21274	18.397	ug/l	98
38) Carbon Tetrachloride	8.10	117	53381	20.827	ug/l	91

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 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)
39) Methylcyclohexane	9.36	83	67415	21.617	ug/l	92
40) Benzene	8.36	78	148537	20.436	ug/l	99
41) Methacrylonitrile	7.53	41	8068	13.720	ug/l #	74
42) 1,2-Dichloroethane	8.43	62	42406	20.169	ug/l	100
43) Isopropyl Acetate	8.46	43	38415	18.060	ug/l	97
44) Trichloroethene	9.12	130	42884	20.461	ug/l	97
45) 1,2-Dichloropropane	9.39	63	35422	19.910	ug/l	92
46) Dibromomethane	9.48	93	20547	20.279	ug/l	95
47) Bromodichloromethane	9.67	83	49881	19.122	ug/l #	96
48) Methyl methacrylate	9.47	41	17915	17.578	ug/l	96
49) 1,4-Dioxane	9.47	88	5527	399.635	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	105737	95.850	ug/l	97
52) Toluene	10.41	92	107056	21.456	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	47951	18.837	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	56519	19.289	ug/l #	93
55) 1,1,2-Trichloroethane	10.80	97	29140	20.369	ug/l	85
56) Ethyl methacrylate	10.67	69	33317	18.390	ug/l	95
57) 1,3-Dichloropropane	10.95	76	50269	20.537	ug/l	91
58) 2-Chloroethyl Vinyl ether	9.94	63	77215	99.157	ug/l	100
59) 2-Hexanone	10.99	43	73615	92.251	ug/l	100
60) Dibromochloromethane	11.14	129	34664	18.612	ug/l	99
61) 1,2-Dibromoethane	11.25	107	27068	19.517	ug/l	100
64) Tetrachloroethene	10.88	164	36607	19.696	ug/l #	79
65) Chlorobenzene	11.67	112	114820	21.000	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	40237	19.972	ug/l	97
67) Ethyl Benzene	11.75	91	210660	21.367	ug/l	98
68) m/p-Xylenes	11.86	106	163321	42.918	ug/l	96
69) o-Xylene	12.18	106	72495	19.895	ug/l	100
70) Styrene	12.20	104	125163	20.291	ug/l	99
71) Bromoform	12.36	173	21318	19.717	ug/l #	98
73) Isopropylbenzene	12.48	105	203591	21.455	ug/l	100
74) N-amyl acetate	12.29	43	36896	18.060	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.74	83	32223	19.515	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	28229m	29.859	ug/l	
77) Bromobenzene	12.76	156	48050	20.325	ug/l	99
78) n-propylbenzene	12.83	91	247830	22.251	ug/l	99
79) 2-Chlorotoluene	12.91	91	130840	21.304	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	173415	21.905	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.54	75	10088	18.883	ug/l	96
82) 4-Chlorotoluene	13.01	91	139669	21.438	ug/l	99
83) tert-Butylbenzene	13.23	119	143210	20.326	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	170797	20.928	ug/l	100
85) sec-Butylbenzene	13.41	105	212126	22.294	ug/l	99
86) p-Isopropyltoluene	13.52	119	198983	22.101	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	96509	20.660	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	98293	21.329	ug/l	97
89) n-Butylbenzene	13.85	91	188181	22.454	ug/l	96
90) Hexachloroethane	14.11	117	35524	21.938	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	83882	20.837	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5451	19.761	ug/l	96

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MSVOA_D
ClientSampleId :
VD1016SBSD01

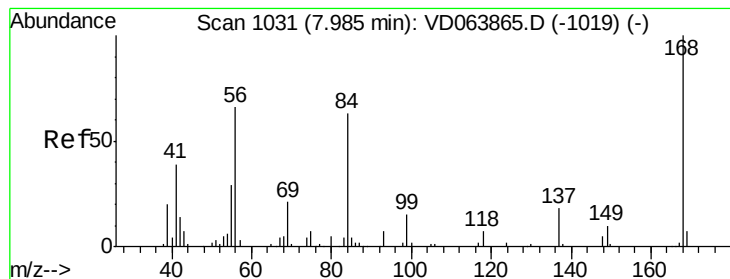
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.17	180	58974	18.986	ug/l	99
94) Hexachlorobutadiene	15.27	225	36238	21.141	ug/l	95
95) Naphthalene	15.41	128	98508	18.868	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	52209	19.481	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: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

Tot Ion:168 Resp: 177706

Ion Ratio Lower Upper

168 100

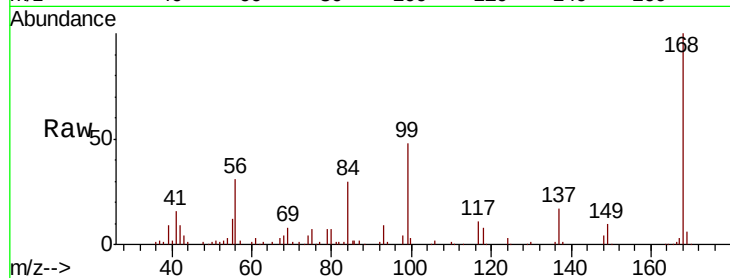
99 48.3 43.0 64.4

Manual Integrations

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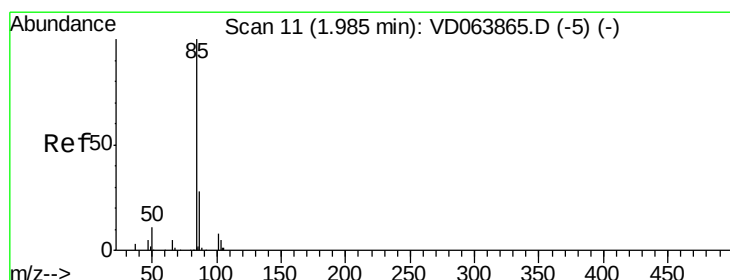
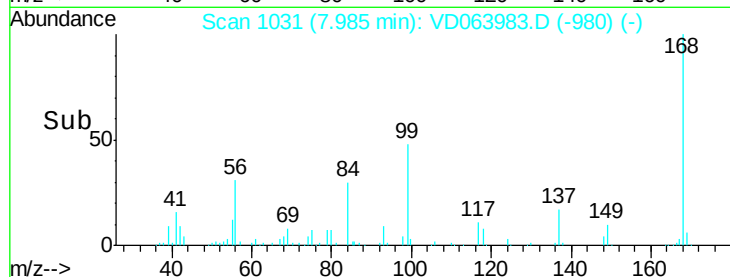
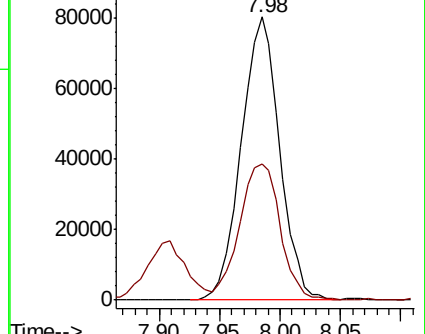
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.052 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063983.D

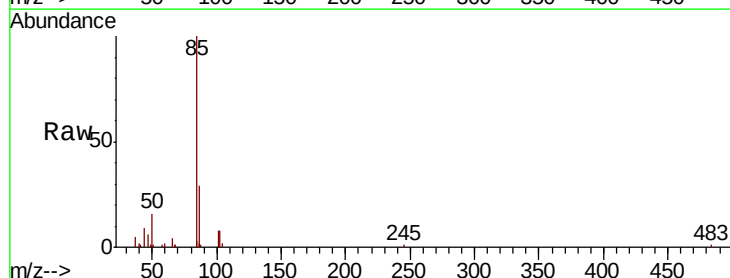
Acq: 16 Oct 2019 13:14

Tgt Ion: 85 Resp: 25271

Ion Ratio Lower Upper

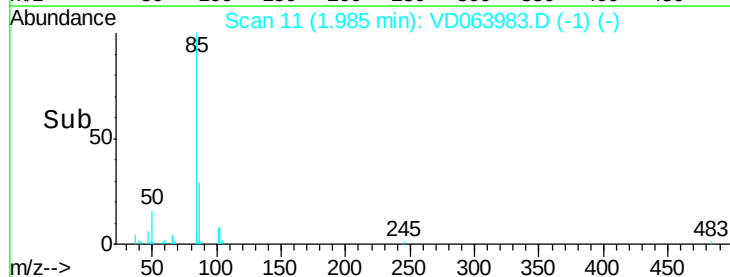
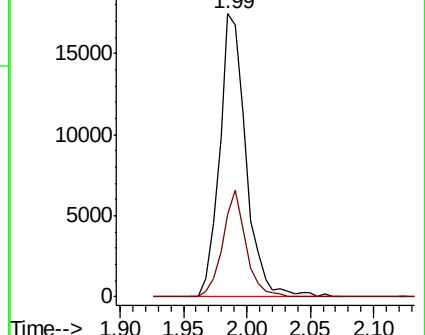
85 100

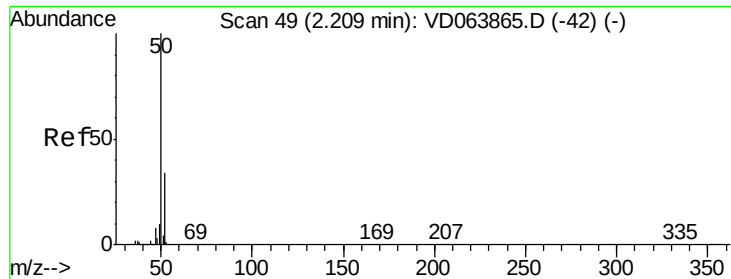
87 29.1 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.252 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 50 Resp: 71602

Ion Ratio Lower Upper

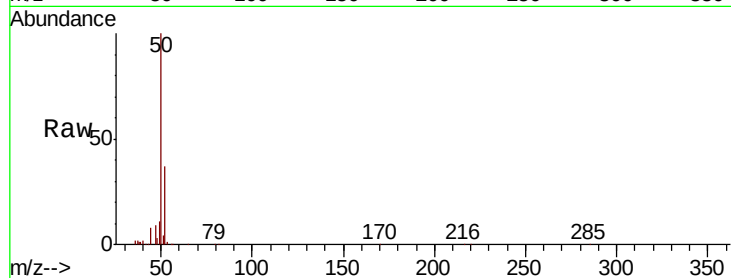
50 100

52 37.1 27.5 41.3

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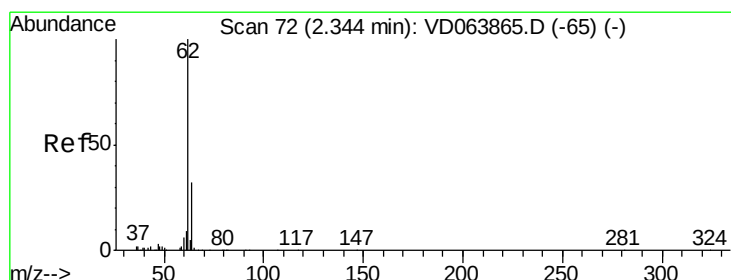
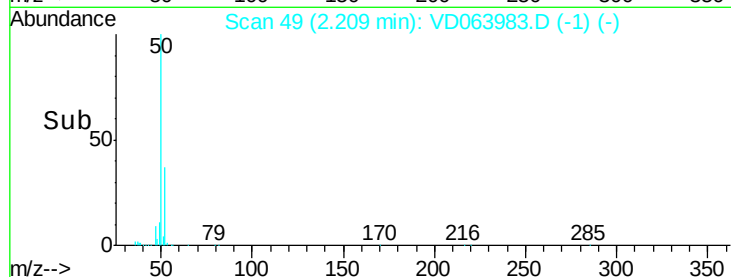
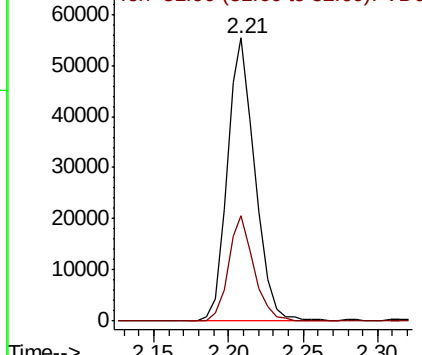
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.909 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063983.D

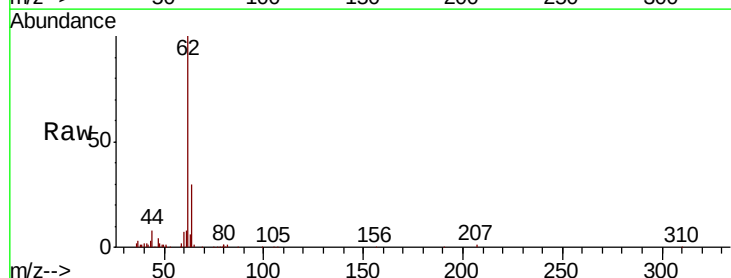
Acq: 16 Oct 2019 13:14

Tgt Ion: 62 Resp: 85166

Ion Ratio Lower Upper

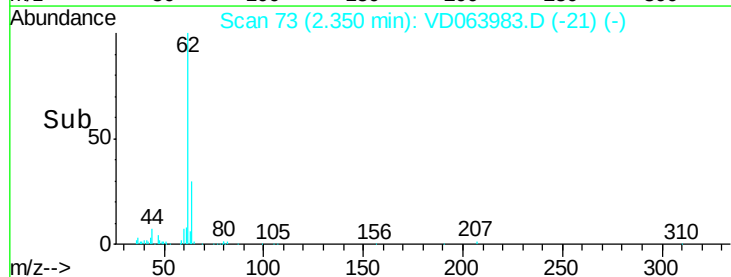
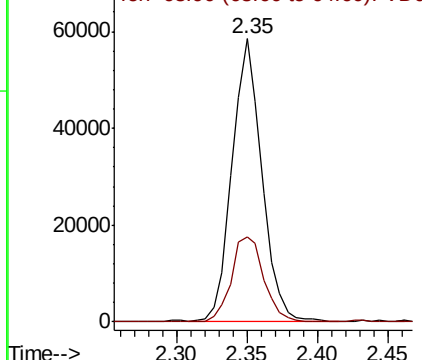
62 100

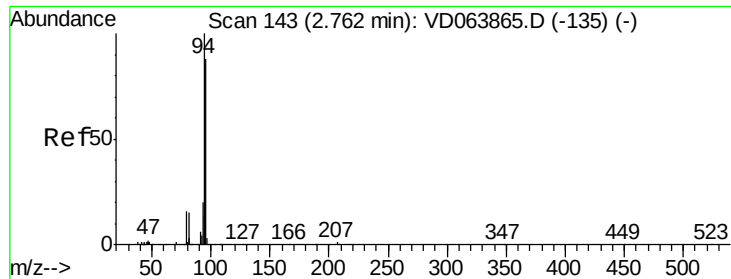
64 30.2 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.770 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

Tot Ion: 94 Resp: 54388

Ion Ratio Lower Upper

94 100

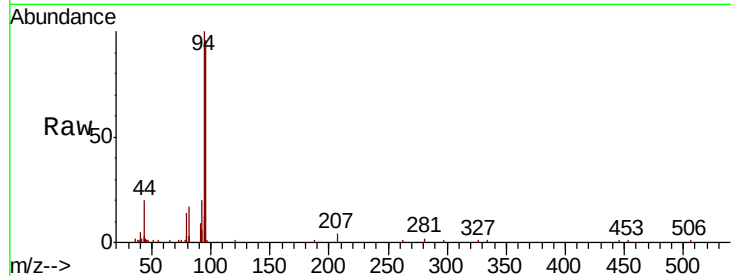
96 96.3 70.8 106.2

Manual Integrations

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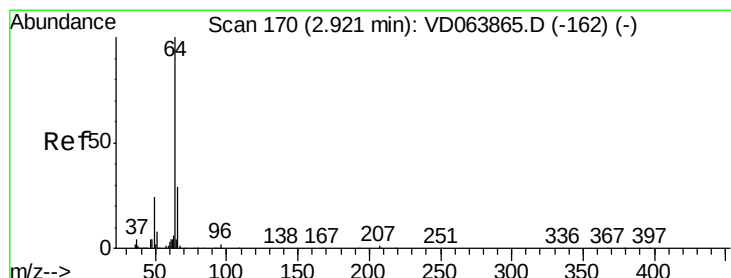
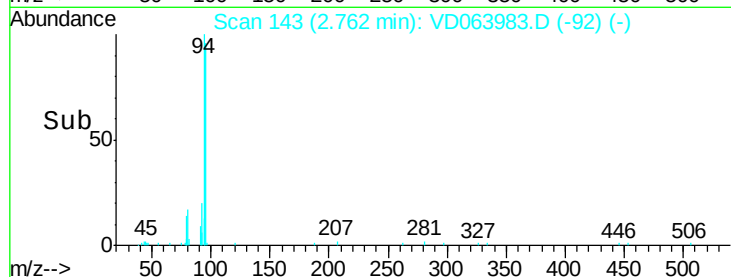
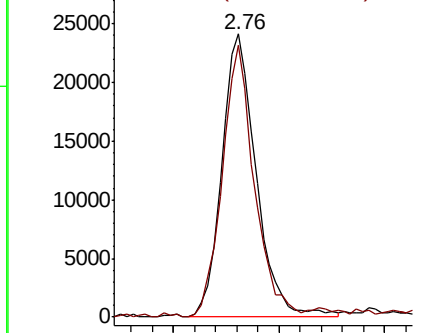
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.647 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063983.D

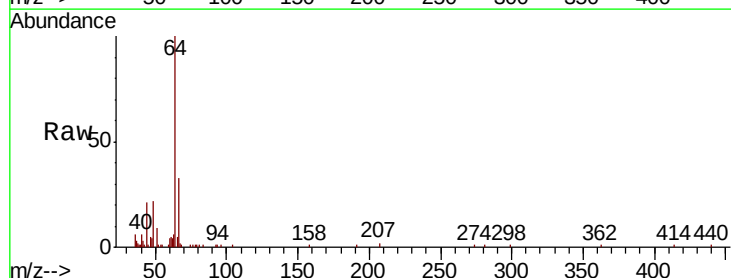
Acq: 16 Oct 2019 13:14

Tgt Ion: 64 Resp: 58310

Ion Ratio Lower Upper

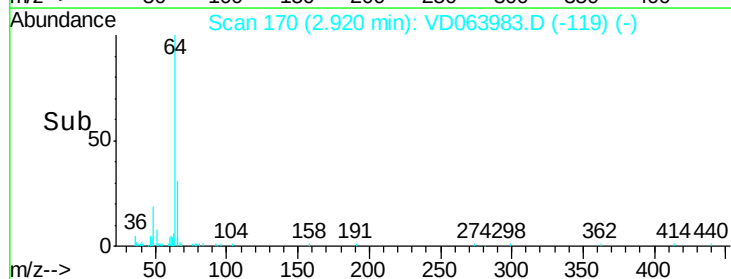
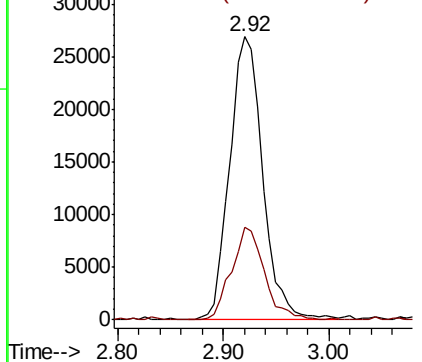
64 100

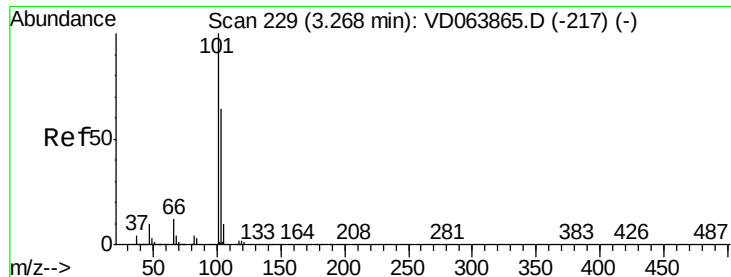
66 32.7 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

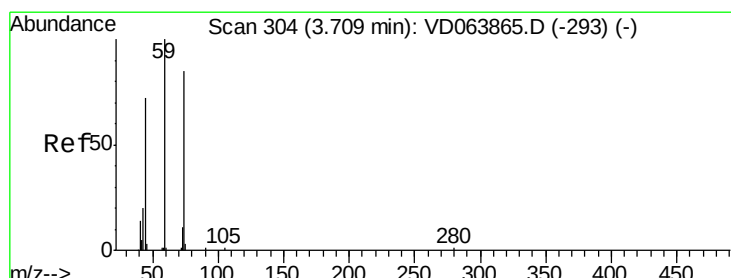
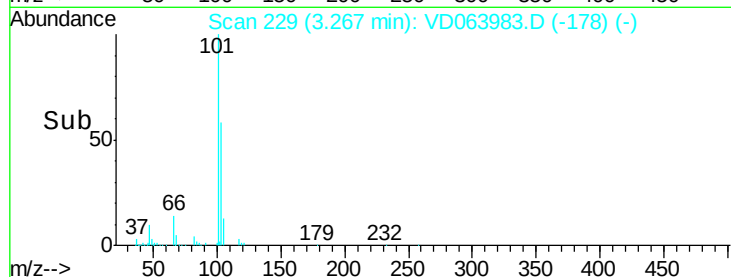
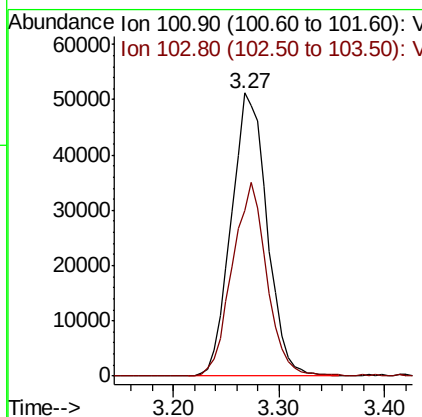
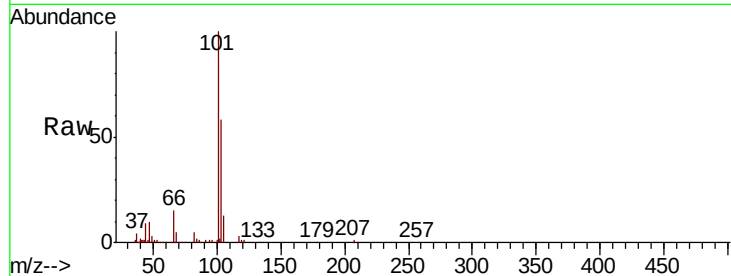
Trichlorofluoromethane
Concen: 22.325 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.4	51.1	76.7

Manual Integrations
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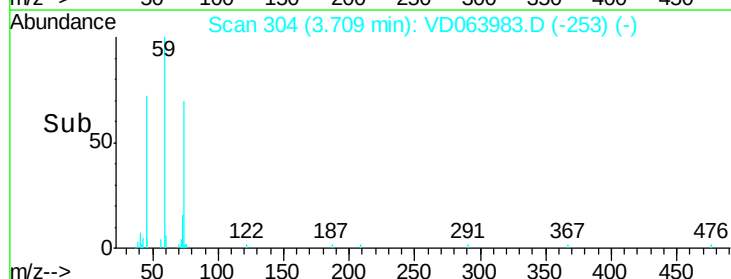
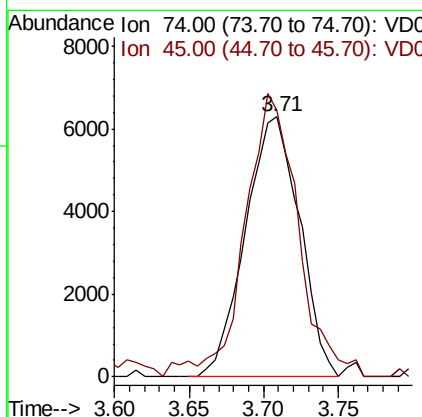
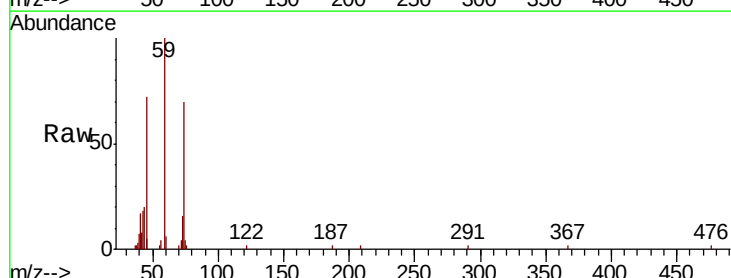
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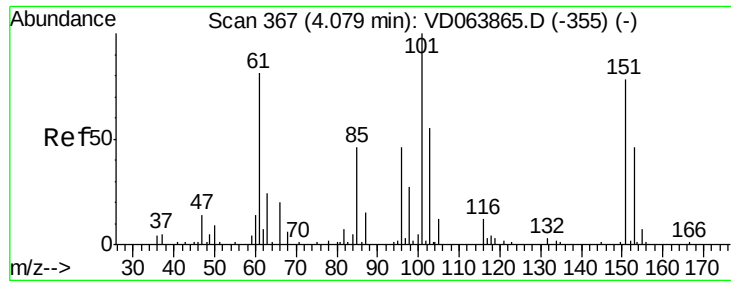


#8

Diethyl Ether
Concen: 18.361 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.3	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.399 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

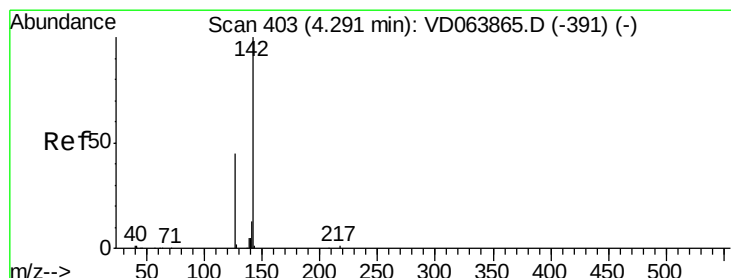
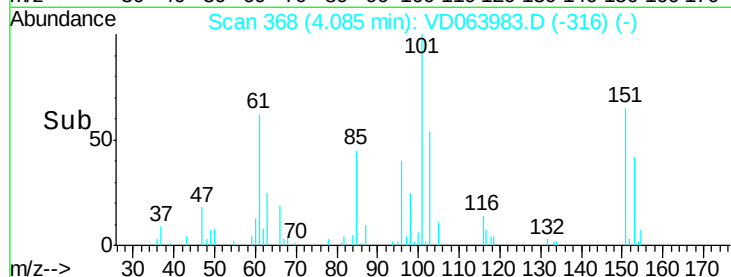
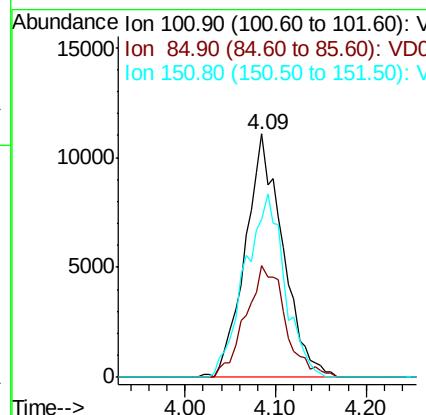
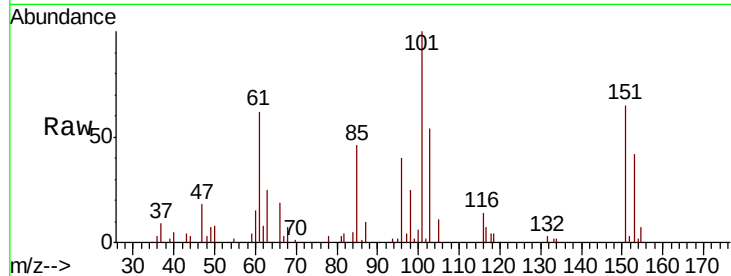
ClientSampleId :

VD1016SBS01

Tot Ion:	101	Resp:	31899
Ion Ratio	Lower	Upper	
101	100		
85	48.5	37.5	56.3
151	79.9	65.5	98.3

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#10

Methyl Iodide

Concen: 18.567 ug/l

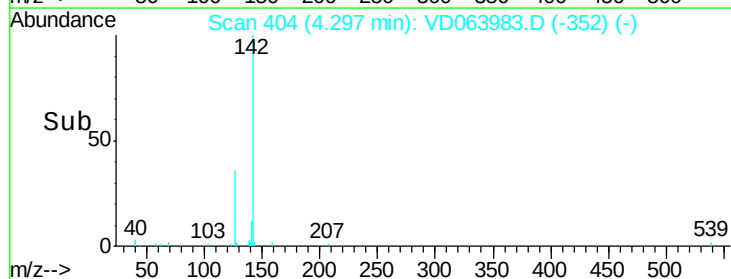
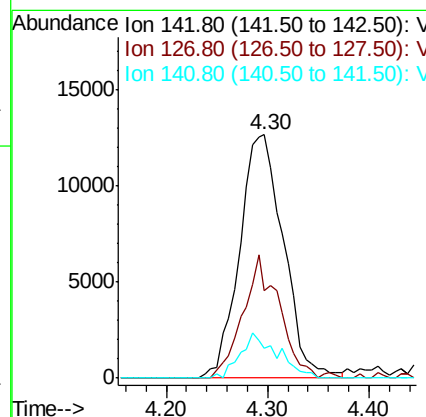
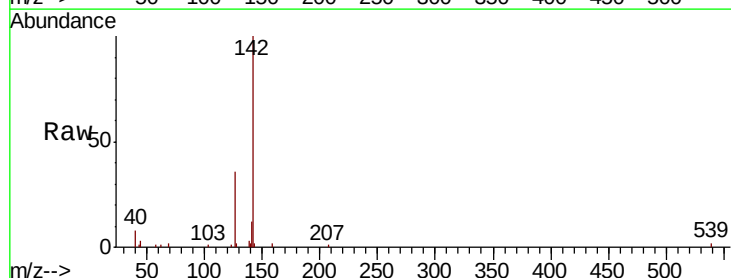
RT: 4.30 min Scan# 404

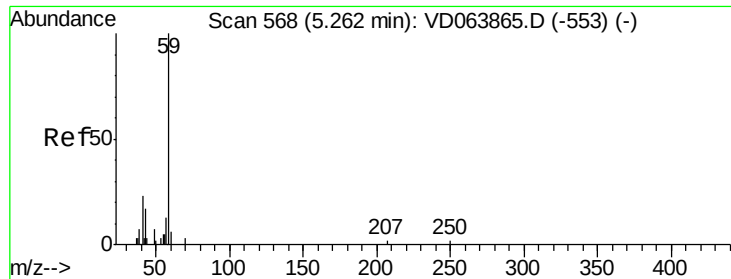
Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Tgt Ion:	142	Resp:	38138
Ion Ratio	Lower	Upper	
142	100		
127	41.8	35.3	52.9
141	15.8	12.2	18.2





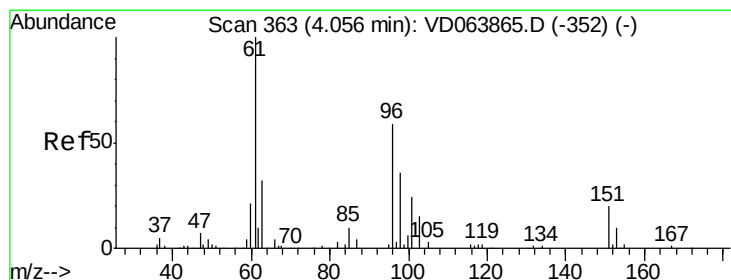
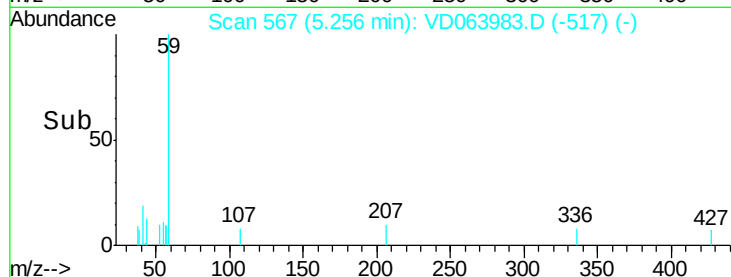
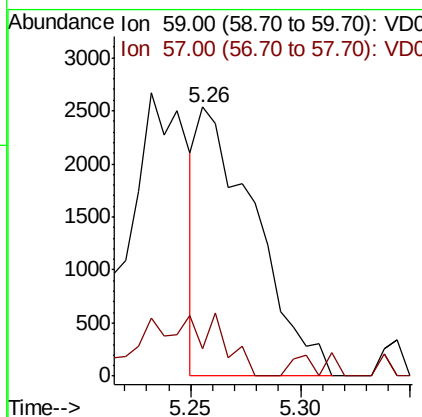
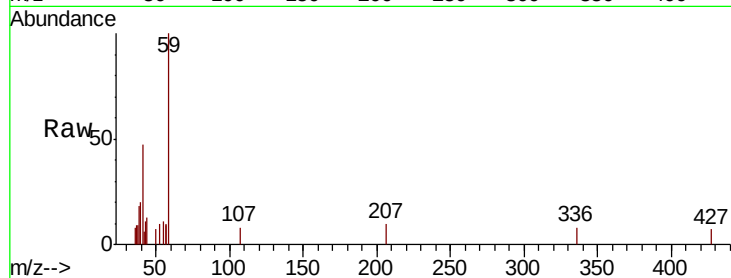
#11
Tert butyl alcohol
Concen: 31.254 ug/l m
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 59 Resp: 4600
Ion Ratio Lower Upper
59 100
57 15.0 8.8 13.2#

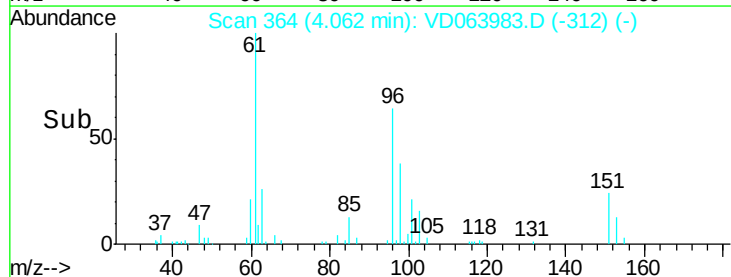
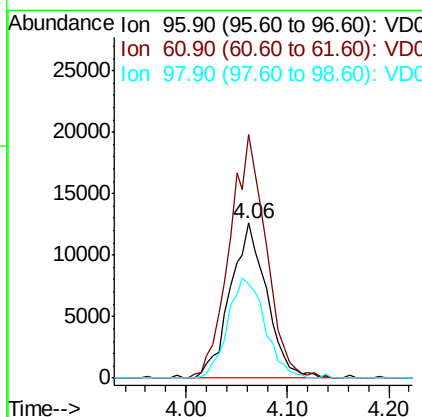
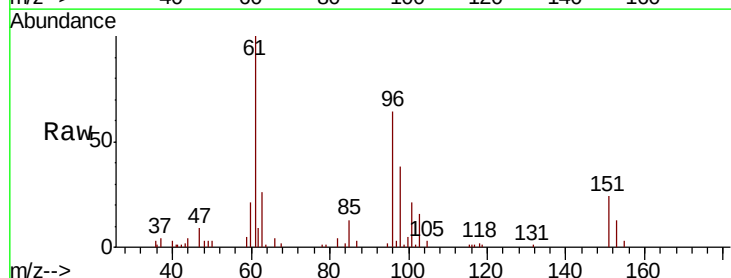
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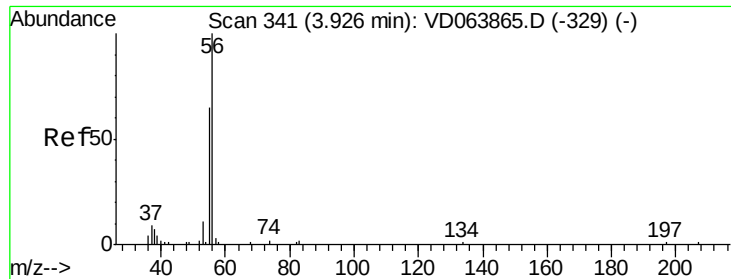
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.011 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion: 96 Resp: 31292
Ion Ratio Lower Upper
96 100
61 157.4 135.6 203.4
98 60.4 49.2 73.8





#13

Acrolein

Concen: 64.716 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 56 Resp: 10000

Ion Ratio Lower Upper

56 100

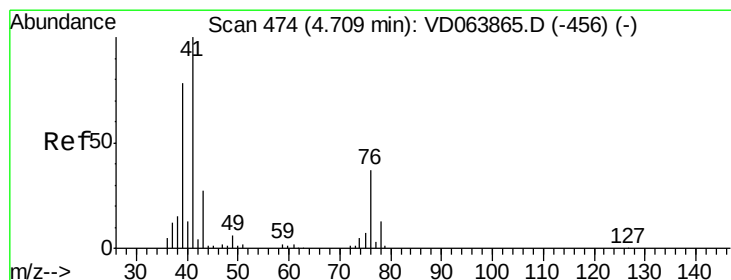
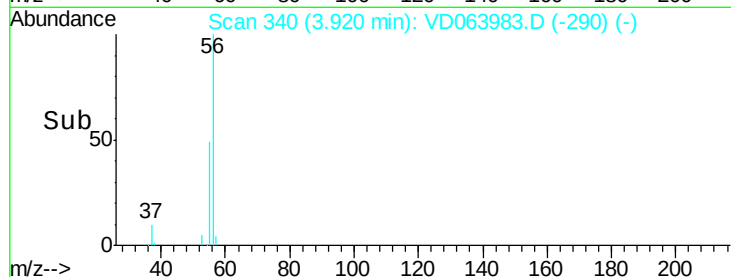
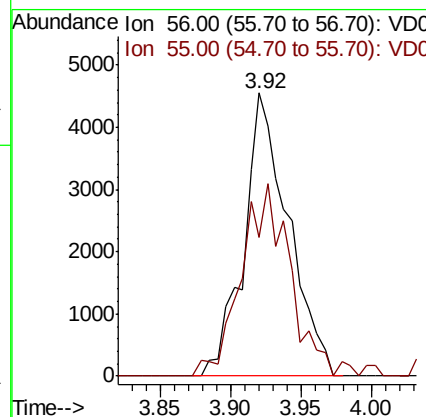
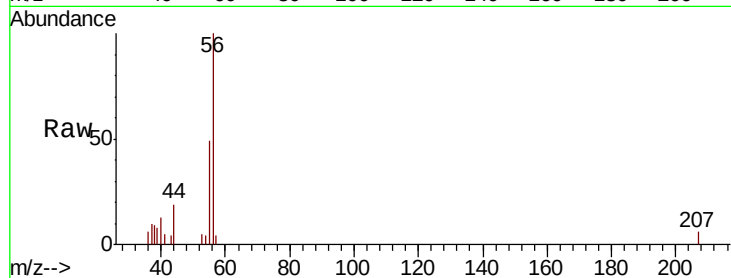
55 74.9 53.0 79.6

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#14

Allyl chloride

Concen: 20.095 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

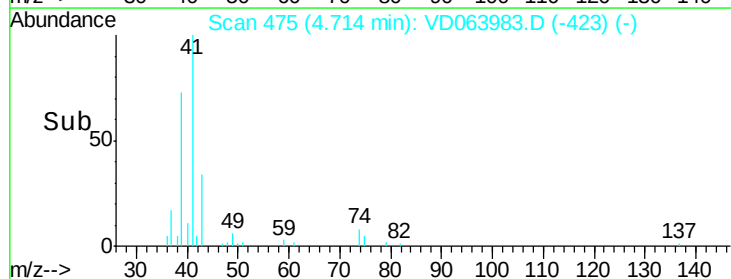
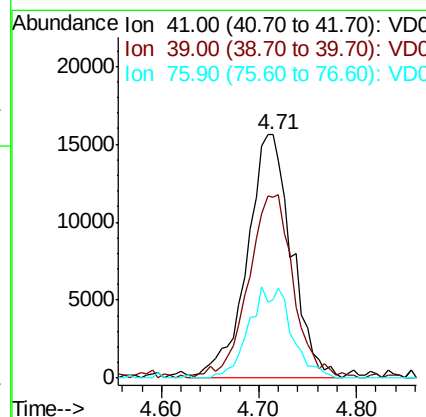
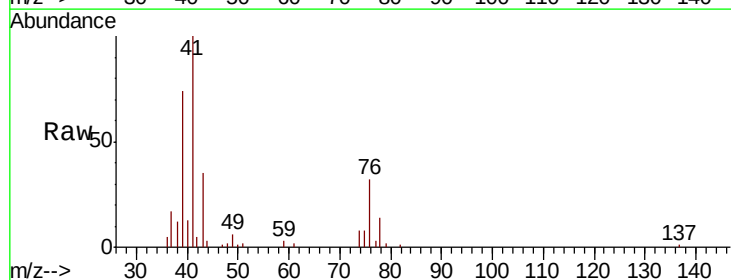
Tgt Ion: 41 Resp: 49756

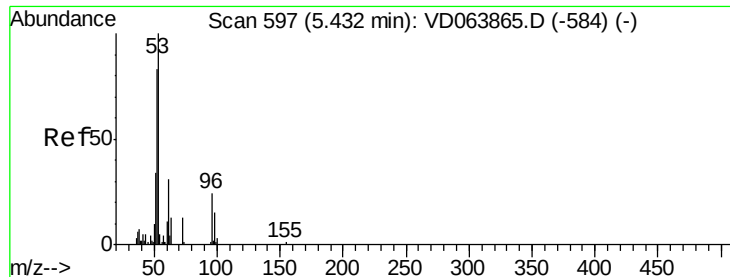
Ion Ratio Lower Upper

41 100

39 76.2 61.8 92.6

76 35.5 31.3 46.9





#15

Acrylonitrile

Concen: 95.903 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

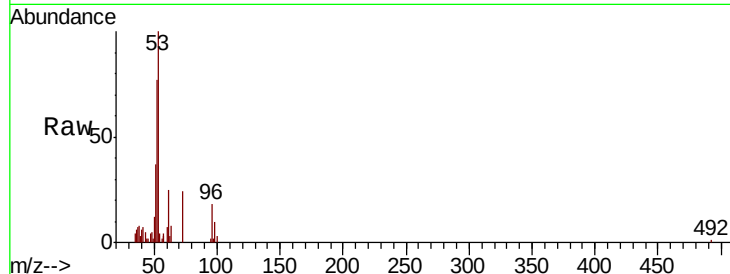
ClientSampleId :

VD1016SBS01

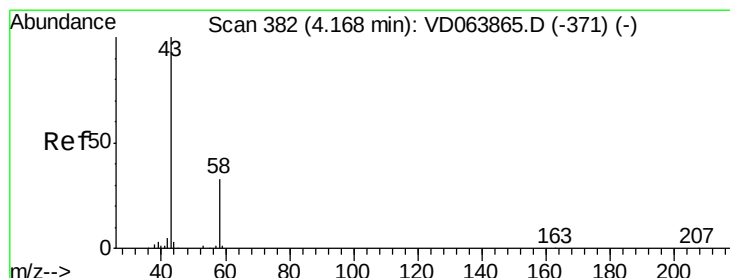
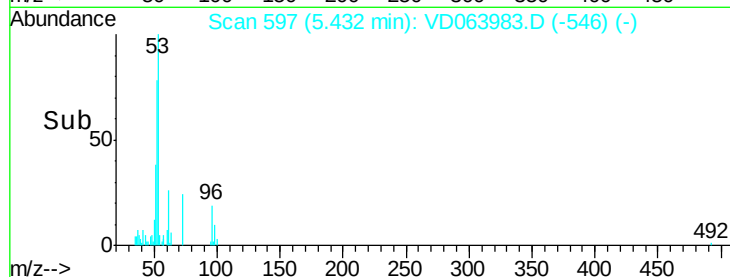
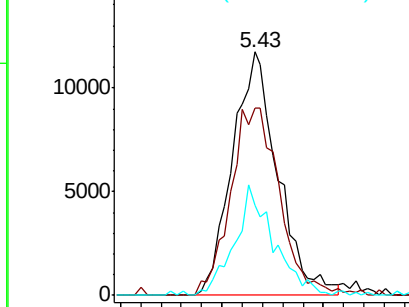
Tot Ion:	53	Resp:	36548
Ion	Ratio	Lower	Upper
53	100		
52	83.5	67.3	100.9
51	38.7	30.5	45.7

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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 84.002 ug/l

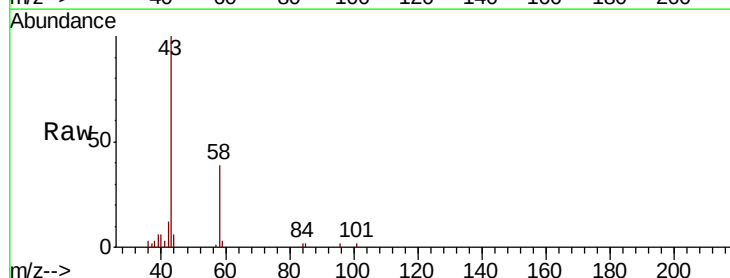
RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

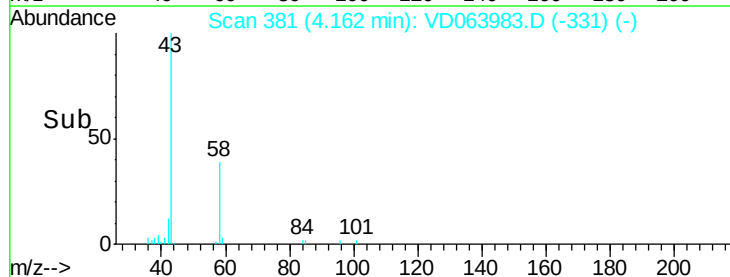
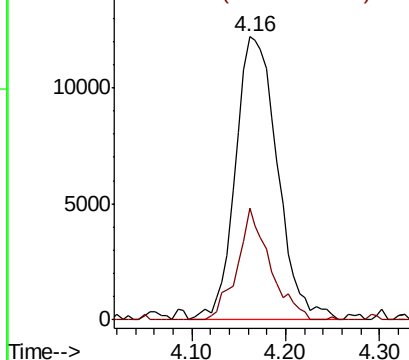
Lab File: VD063983.D

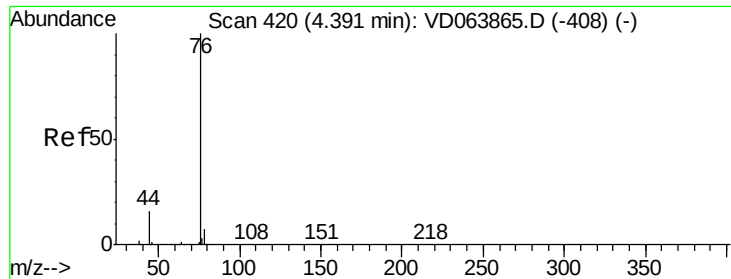
Acq: 16 Oct 2019 13:14

Tgt Ion:	43	Resp:	37838
Ion	Ratio	Lower	Upper
43	100		
58	39.4	26.2	39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





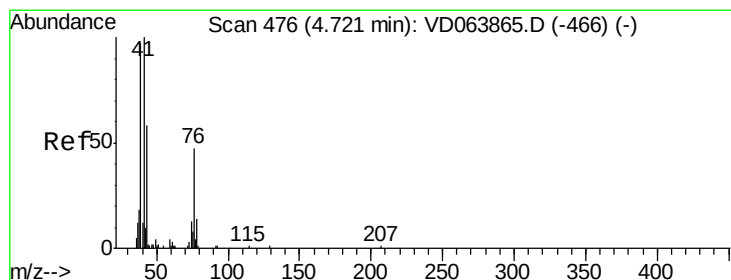
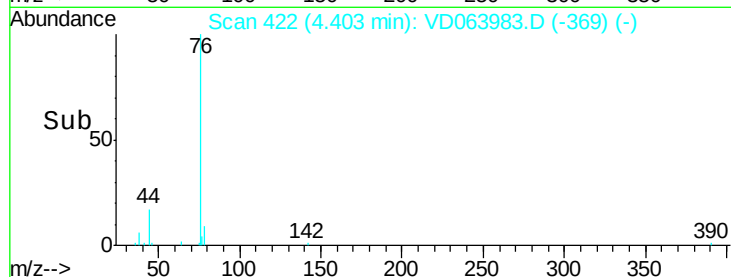
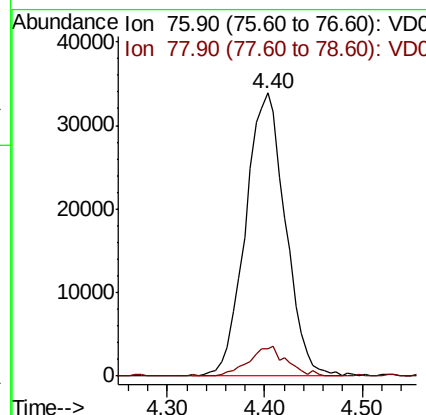
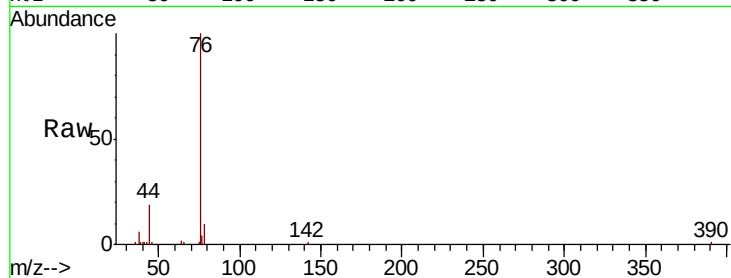
#17
Carbon Disulfide
Concen: 17.791 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	5.8	8.8#

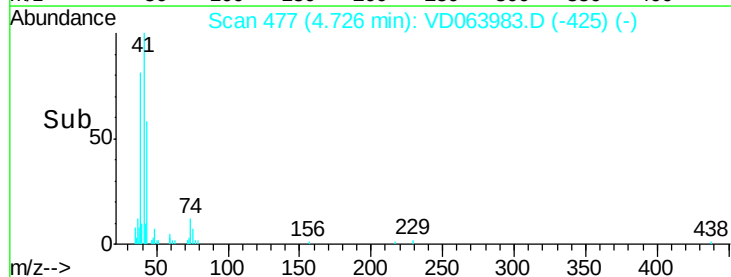
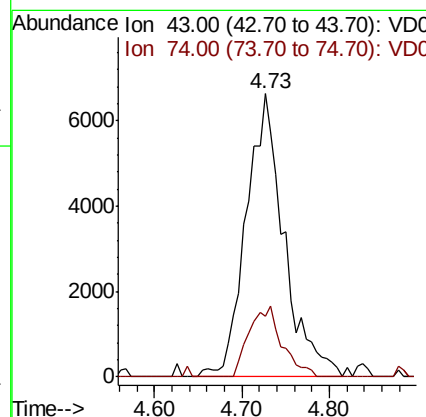
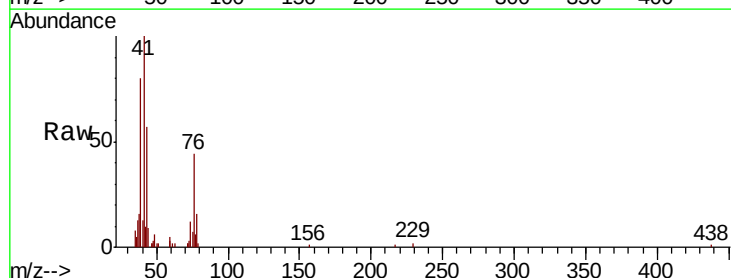
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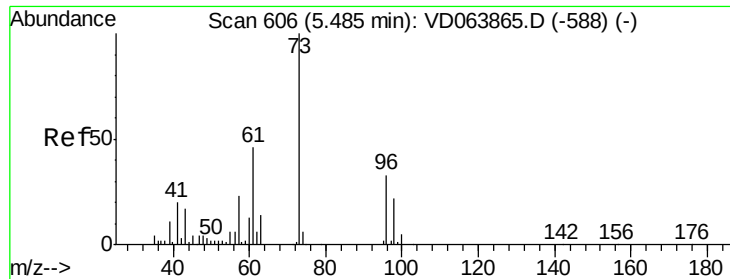
MMDadoda
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#18
Methyl Acetate
Concen: 22.198 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	20.8	31.2





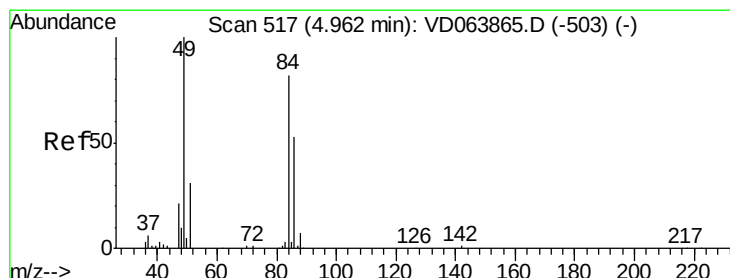
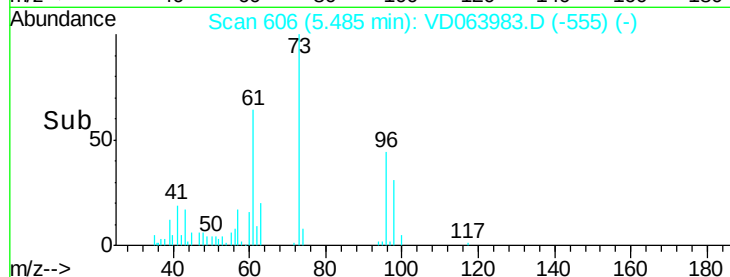
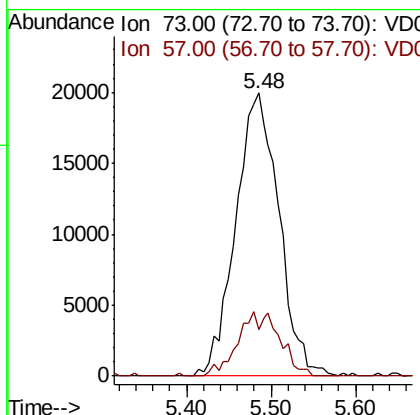
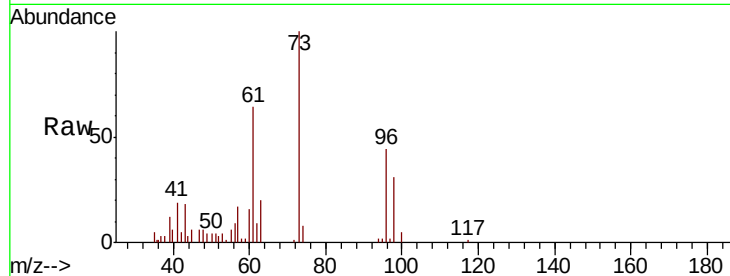
#19
Methyl tert-butyl Ether
Concen: 18.342 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 73 Resp: 70736
Ion Ratio Lower Upper
73 100
57 16.7 18.1 27.1#

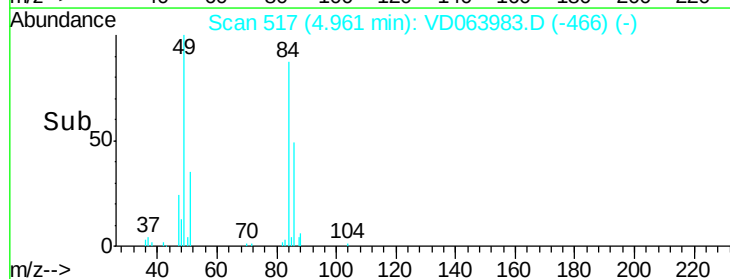
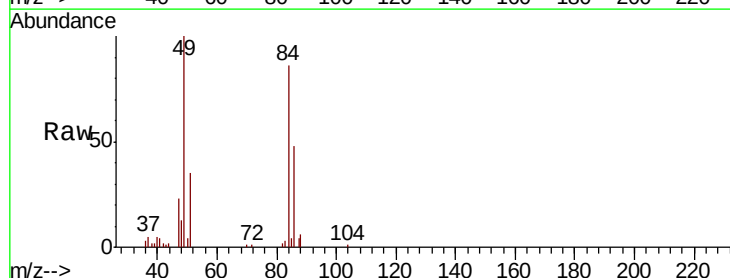
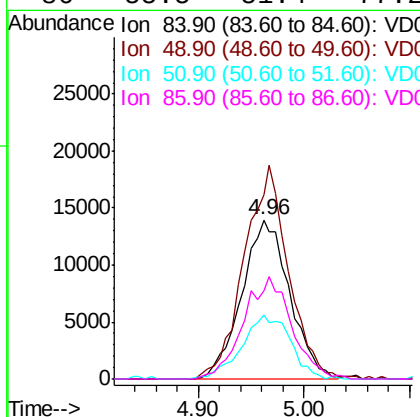
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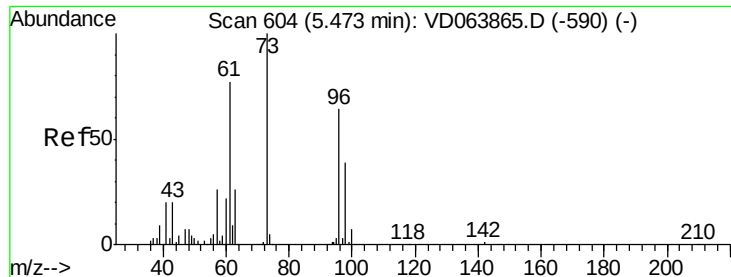
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#20
Methylene Chloride
Concen: 20.115 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion: 84 Resp: 43799
Ion Ratio Lower Upper
84 100
49 115.7 97.3 145.9
51 40.2 30.1 45.1
86 55.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 19.650 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

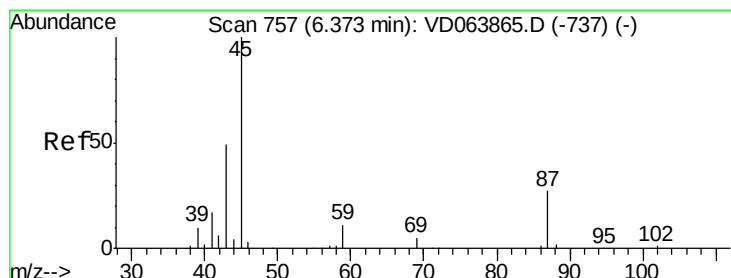
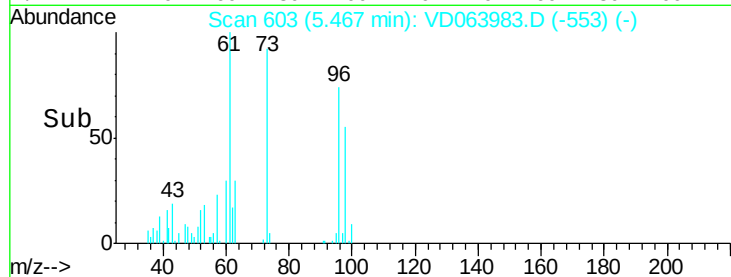
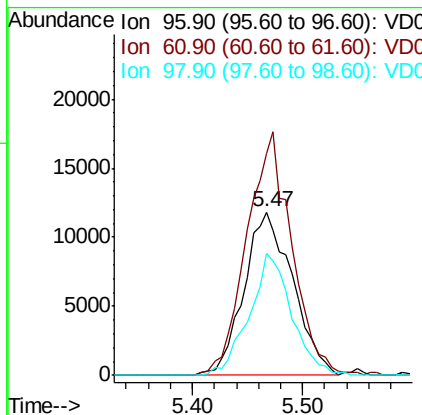
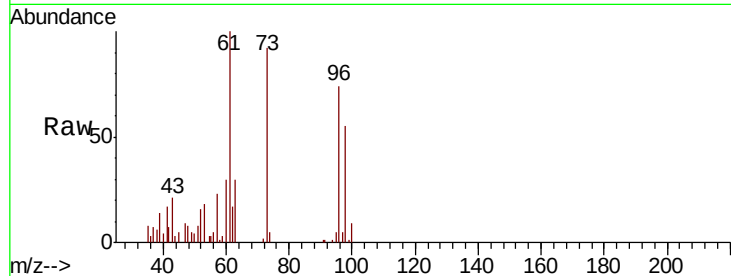
ClientSampleId :

VD1016SBS01

Tot Ion:	96	Resp:	36432
Ion	Ratio	Lower	Upper
96	100		
61	135.9	96.6	145.0
98	74.9	48.7	73.1#

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#22

Diisopropyl ether

Concen: 19.593 ug/l

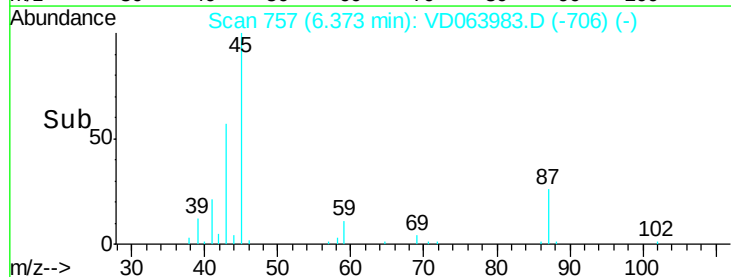
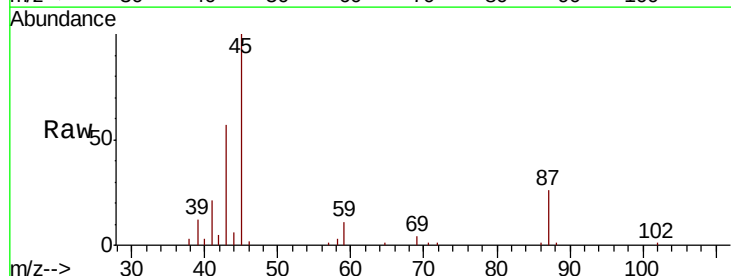
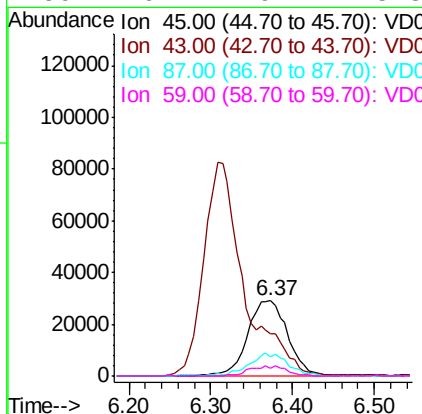
RT: 6.37 min Scan# 757

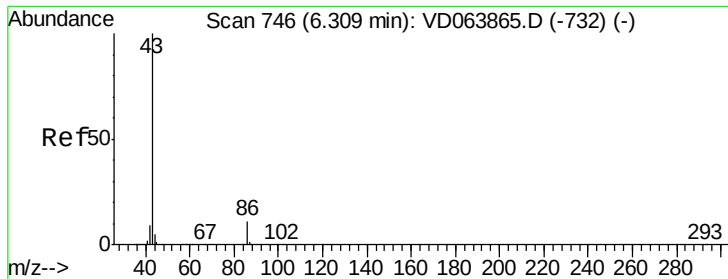
Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Tgt Ion:	45	Resp:	99082
Ion	Ratio	Lower	Upper
45	100		
43	55.6	41.2	61.8
87	26.2	22.2	33.4
59	10.7	9.2	13.8





#23

Vinyl Acetate

Concen: 94.531 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 43 Resp: 284381

Ion Ratio Lower Upper

43 100

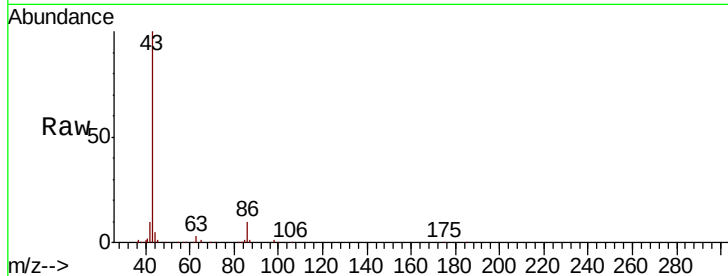
86 9.9 8.8 13.2

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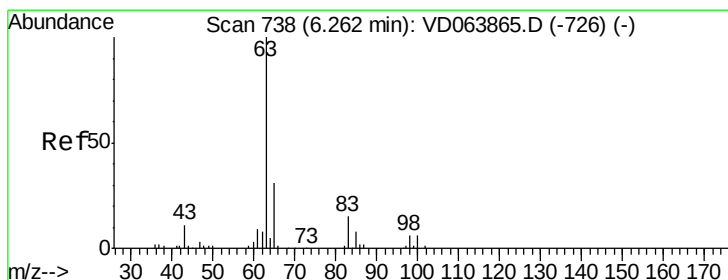
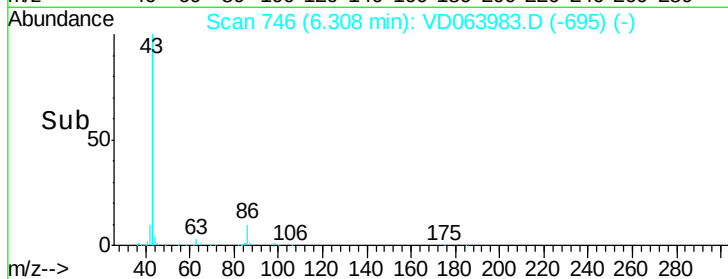
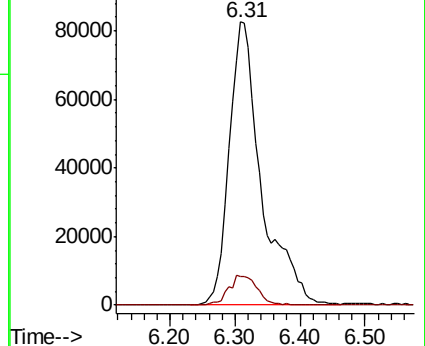
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.854 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

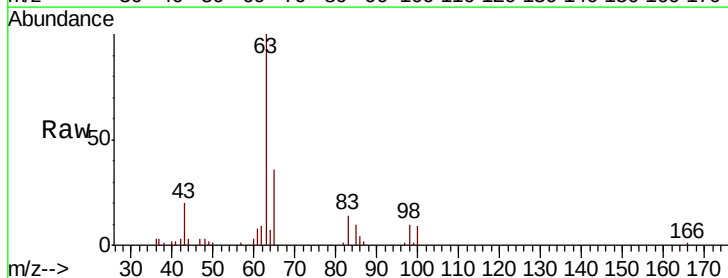
Tgt Ion: 63 Resp: 61842

Ion Ratio Lower Upper

63 100

98 10.1 3.1 9.4#

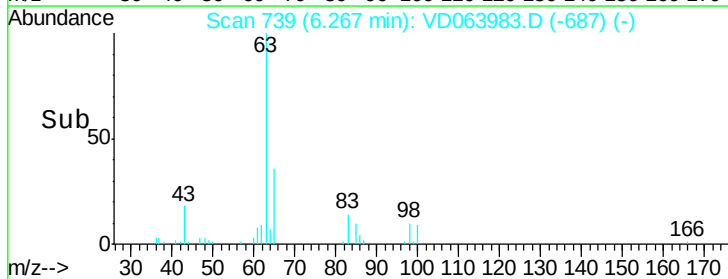
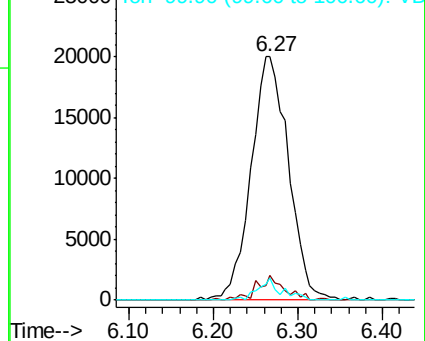
100 8.9 3.0 9.2

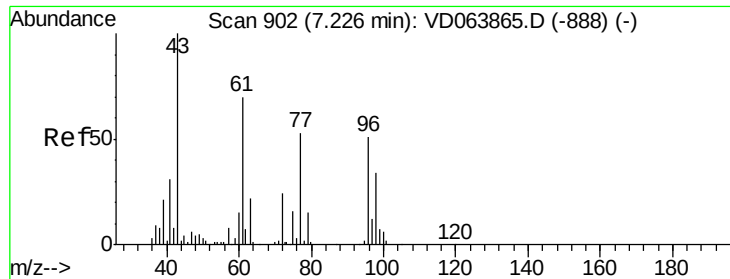


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 89.605 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 43 Resp: 47833

Ion Ratio Lower Upper

43 100

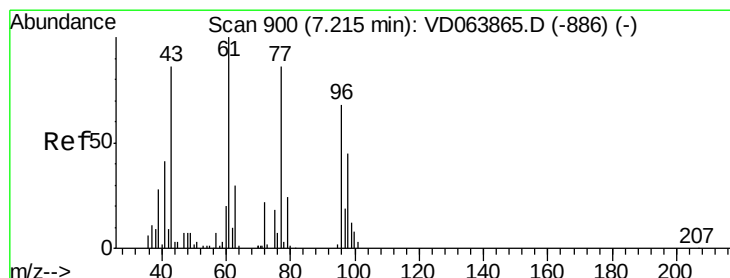
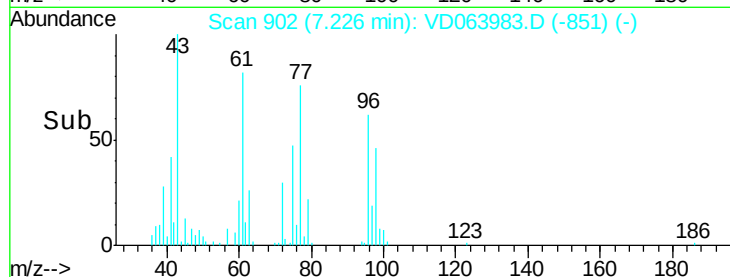
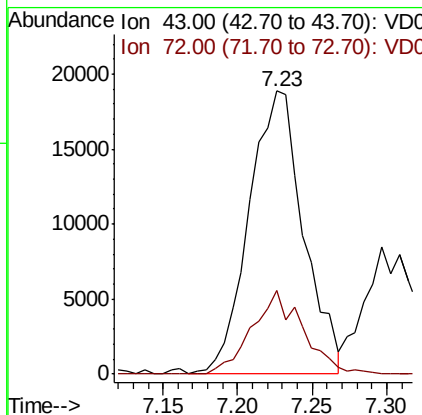
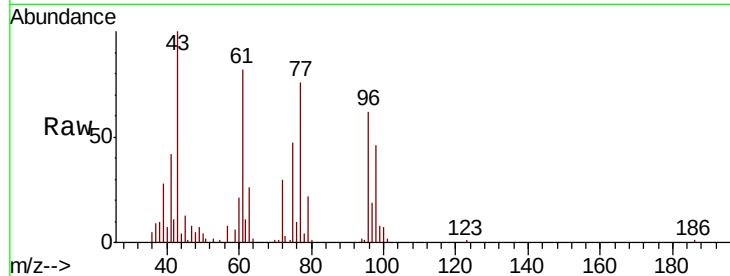
72 29.6 19.2 28.8#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.625 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063983.D

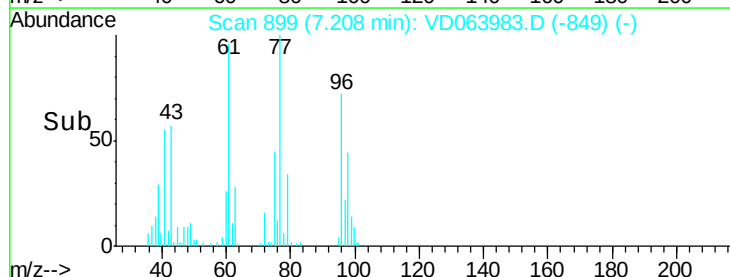
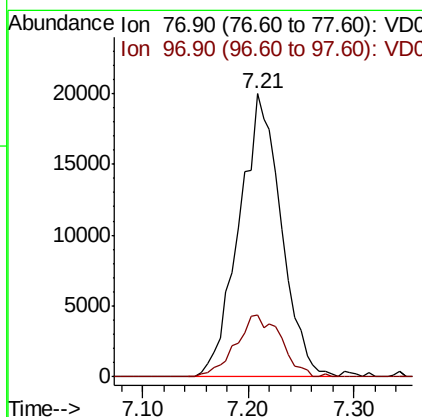
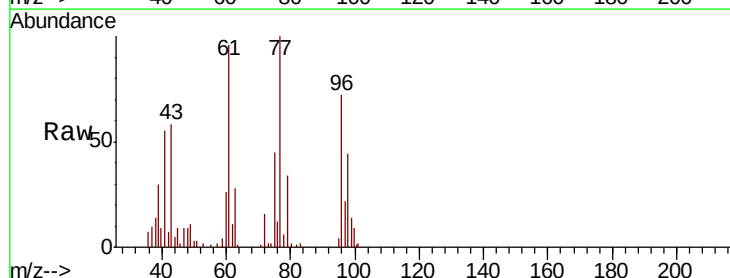
Acq: 16 Oct 2019 13:14

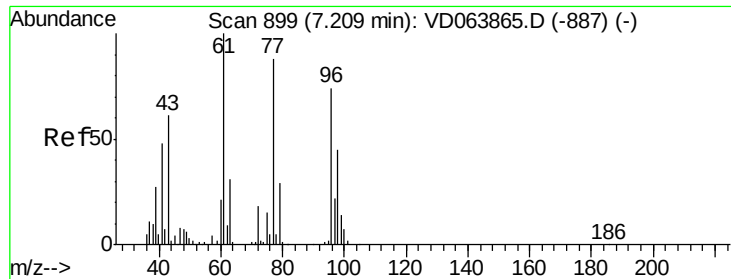
Tgt Ion: 77 Resp: 55297

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.1





#27

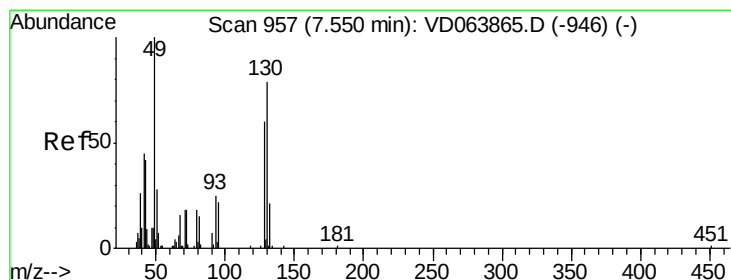
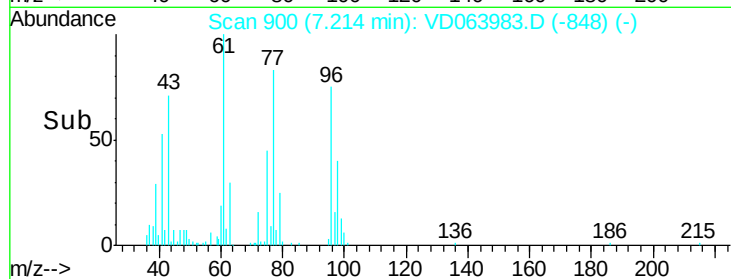
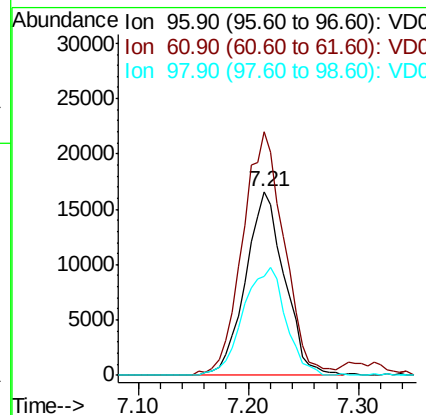
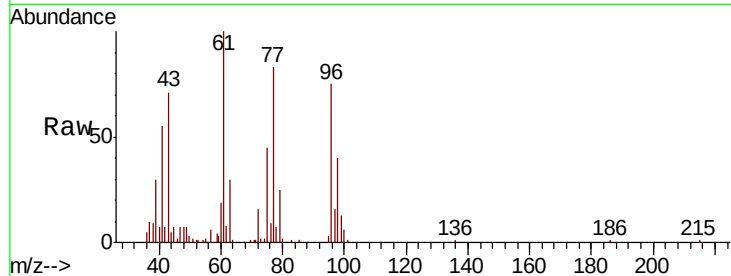
cis-1,2-Dichloroethene
 Concen: 19.531 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	40987		
61	142.2		0.0	280.0
98	64.0		0.0	130.4

Manual Integrations
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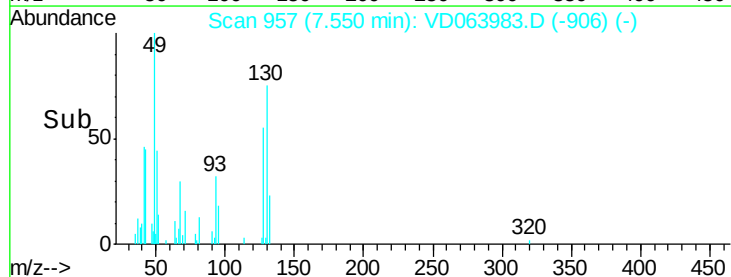
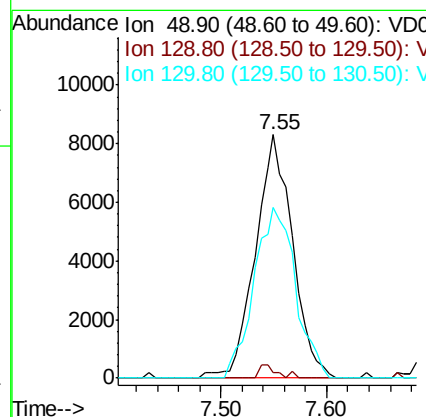
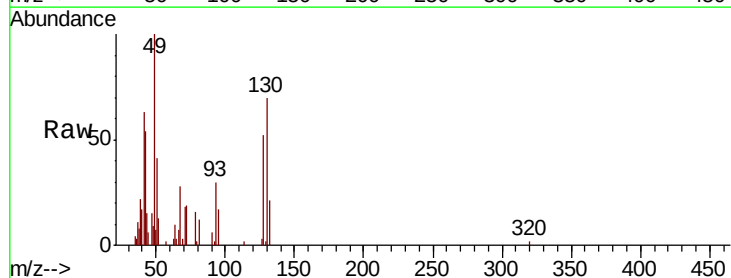
MMDadoda
 10/18/2019 12:49:49 AM

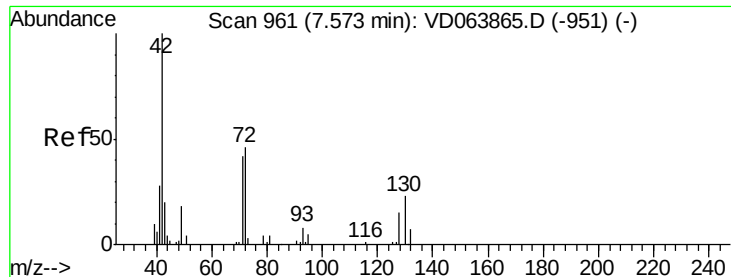


#28

Bromochloromethane
 Concen: 18.318 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	20240		
129	2.2		0.0	5.6
130	78.2		66.8	100.2





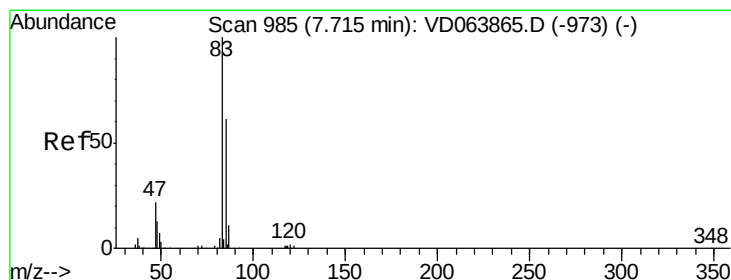
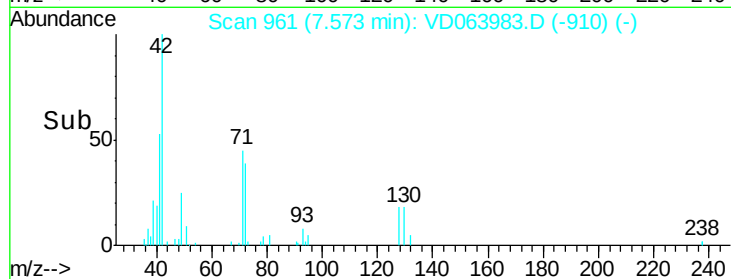
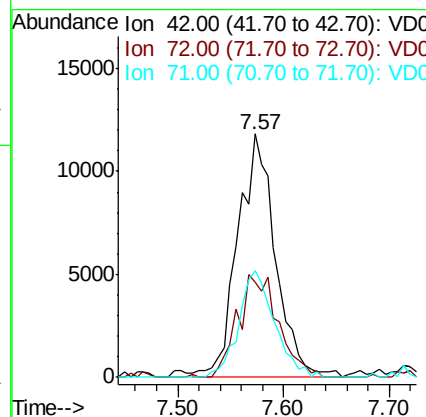
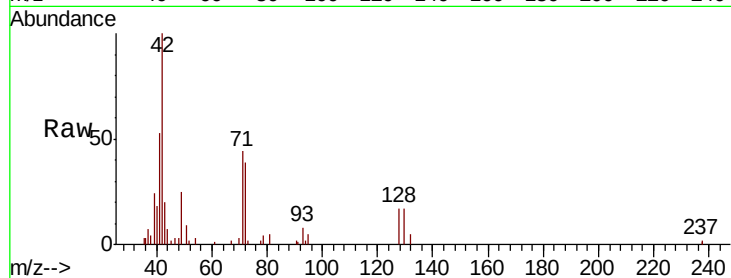
#29
Tetrahydrofuran
Concen: 93.895 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	37.6	56.4
71	41.6	35.0	52.6

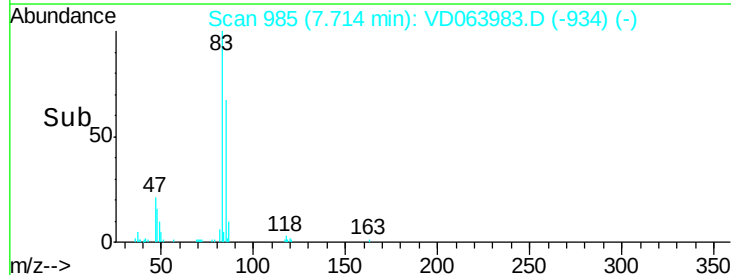
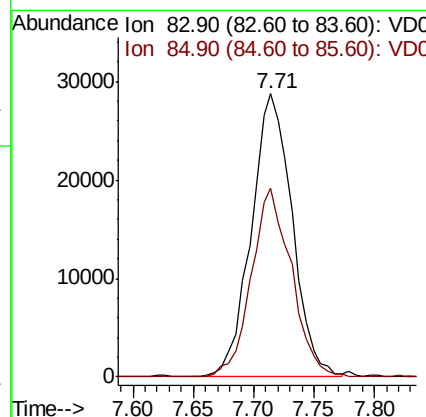
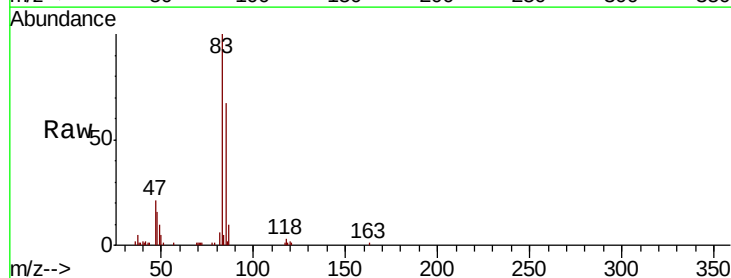
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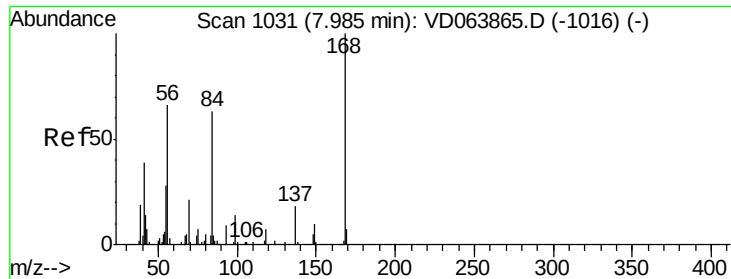
MMDadoda
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#30
Chloroform
Concen: 20.071 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	48.9	73.3





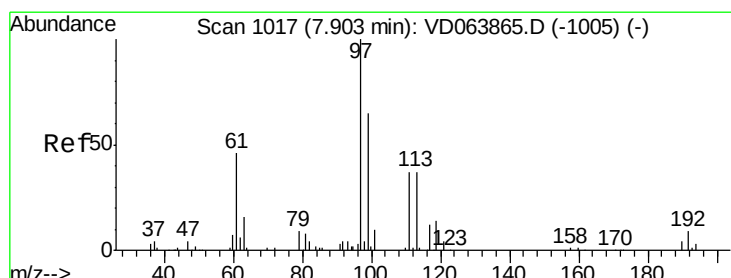
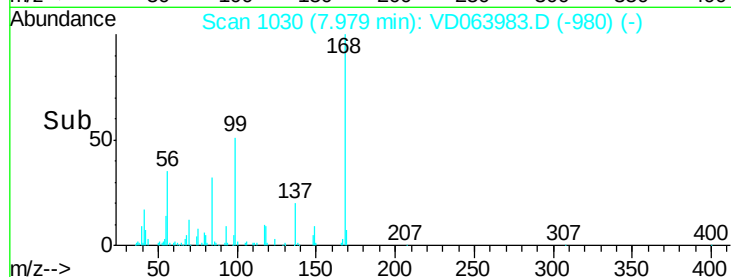
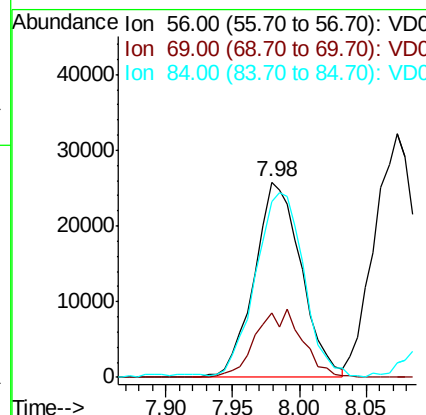
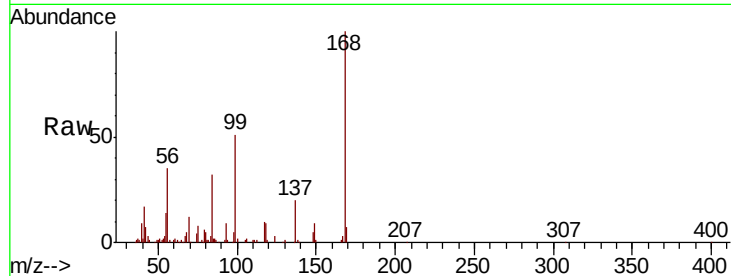
#31
Cyclohexane
Concen: 22.099 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	25.0	37.4
84	88.8	76.3	114.5

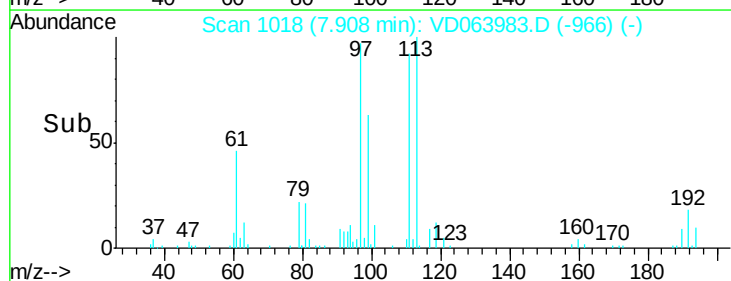
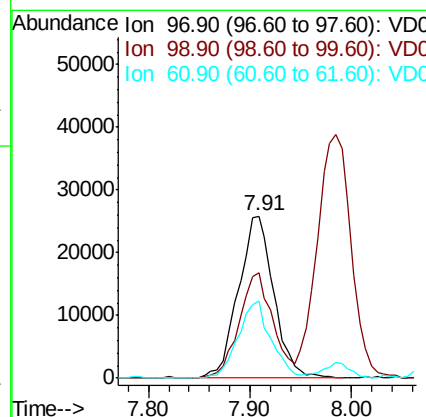
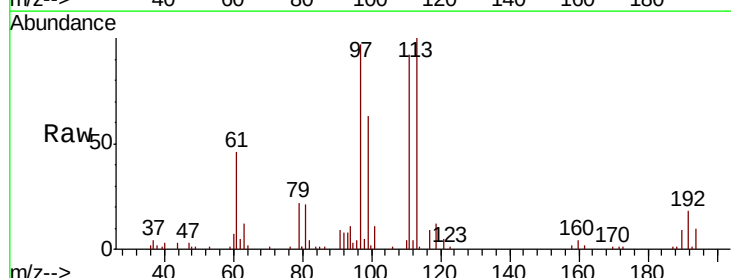
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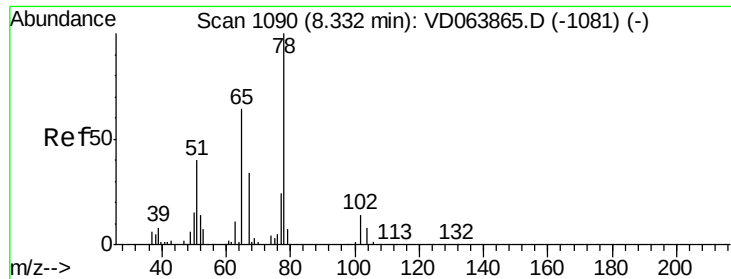
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.470 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	52.4	78.6
61	44.0	33.8	50.8





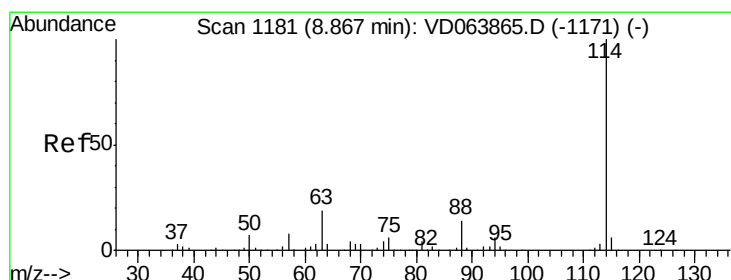
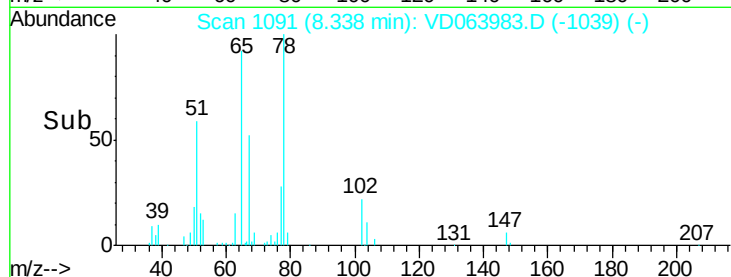
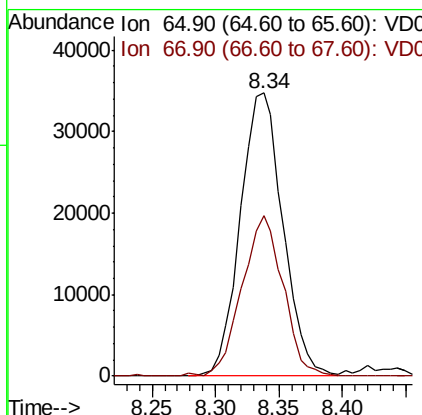
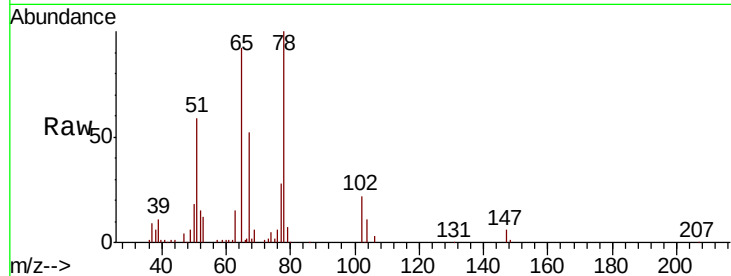
#33
 1,2-Dichloroethane-d4
 Concen: 46.927 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion: 65 Resp: 81188
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 106.4

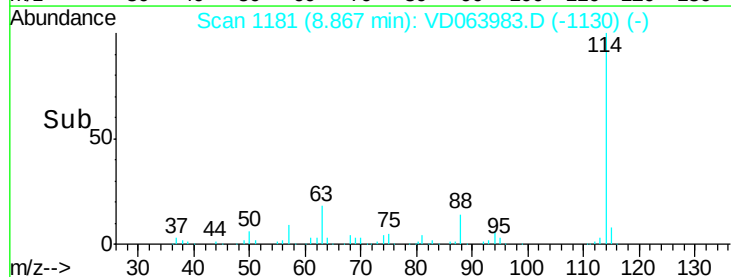
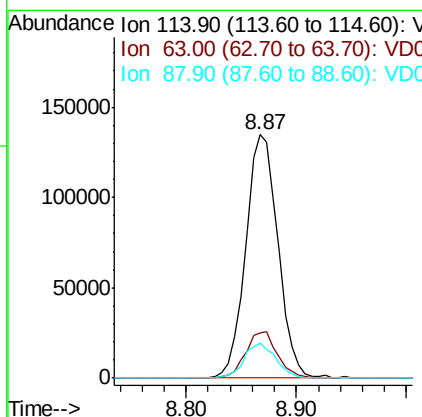
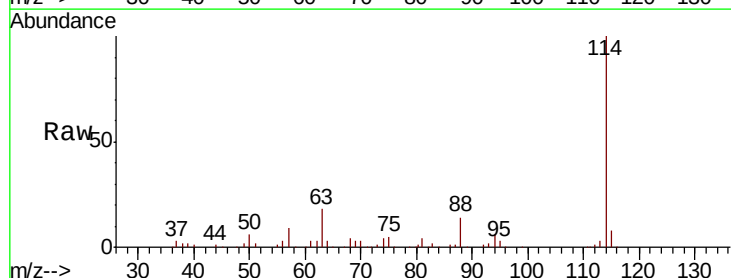
Manual Integrations
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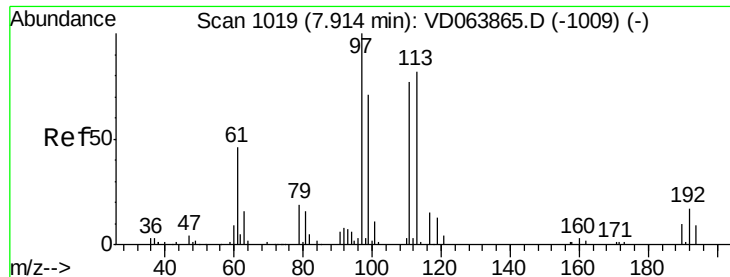
MMDadoda
 10/18/2019 12:49:49 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Tgt Ion: 114 Resp: 277403
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.4
 88 14.3 0.0 27.4





#35

Dibromofluoromethane

Concen: 50.007 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

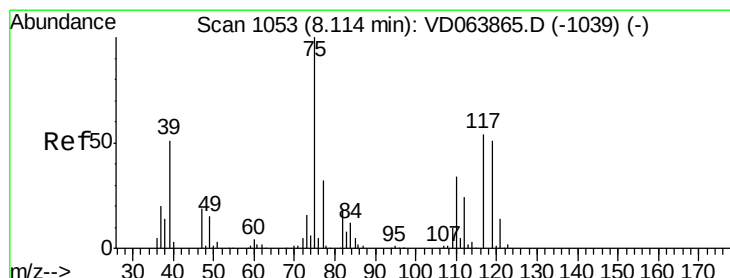
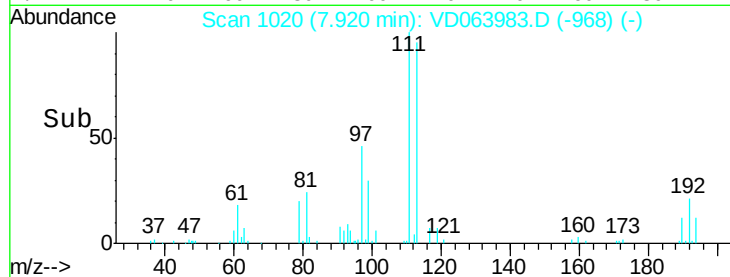
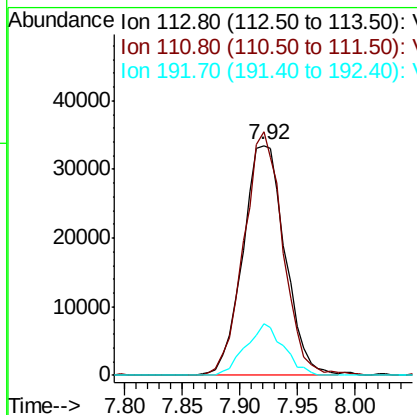
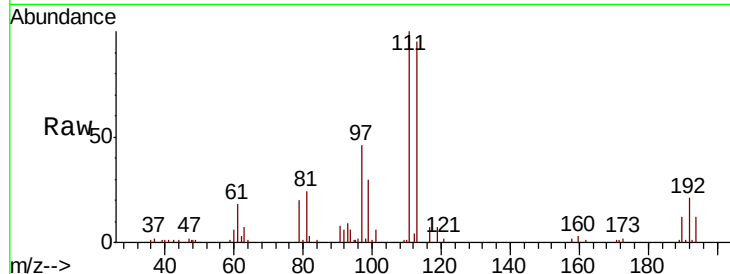
ClientSampleId :

VD1016SBSD01

Tot Ion:	113	Resp:	84777
Ion	Ratio	Lower	Upper
113	100		
111	98.8	82.6	123.8
192	20.2	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.239 ug/l

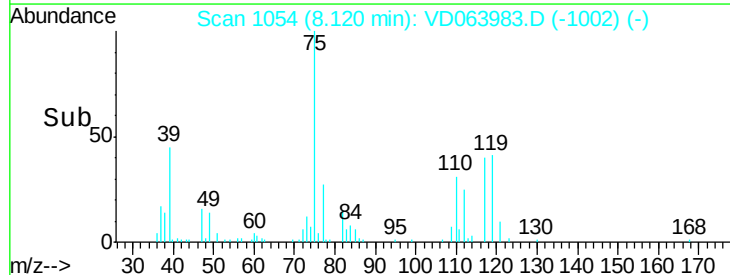
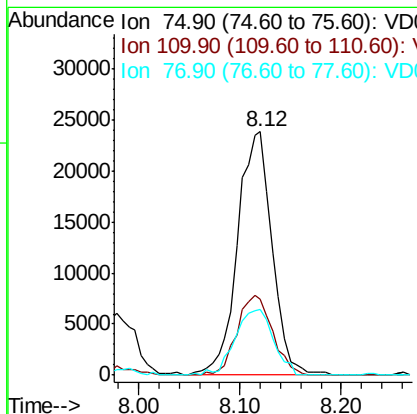
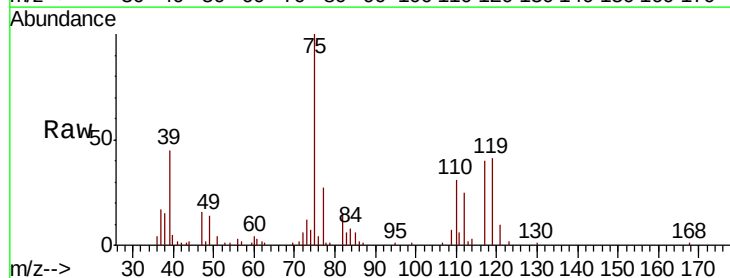
RT: 8.12 min Scan# 1054

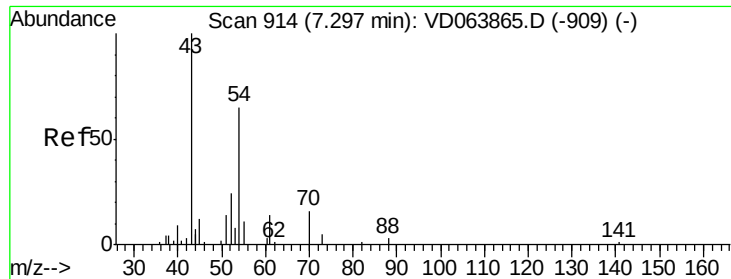
Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Tgt Ion:	75	Resp:	56407
Ion	Ratio	Lower	Upper
75	100		
110	33.7	17.4	52.3
77	29.8	25.4	38.0





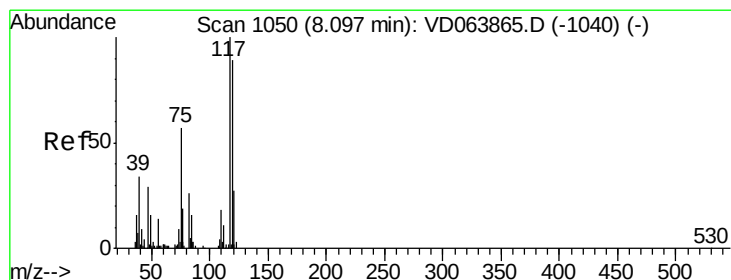
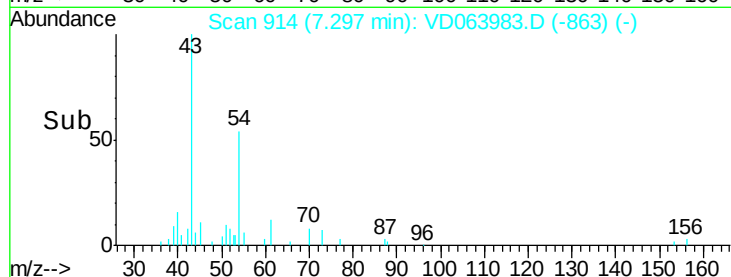
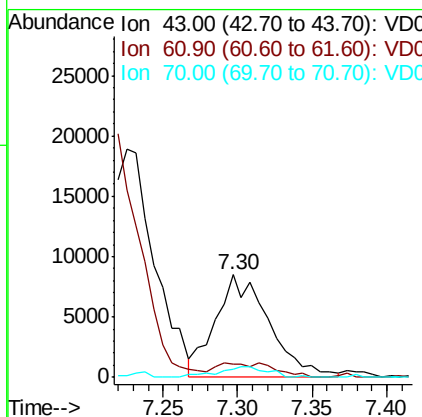
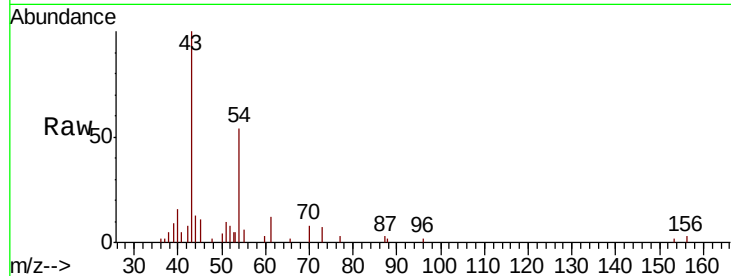
#37
Ethyl Acetate
Concen: 18.397 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	9.2	8.2	12.4

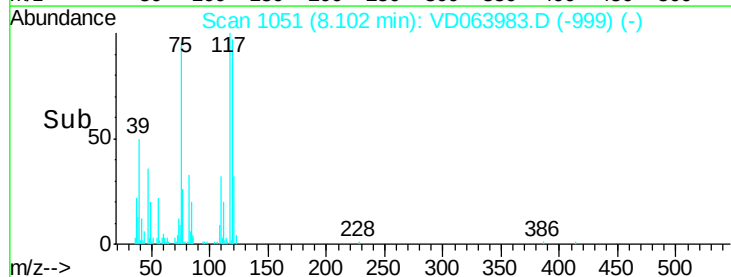
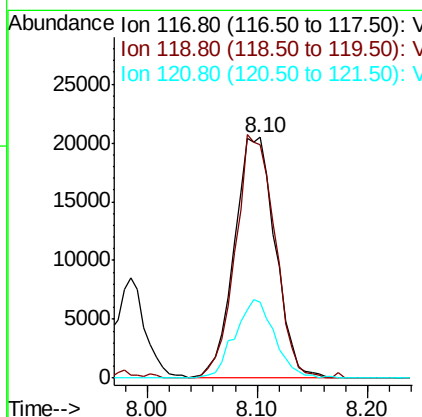
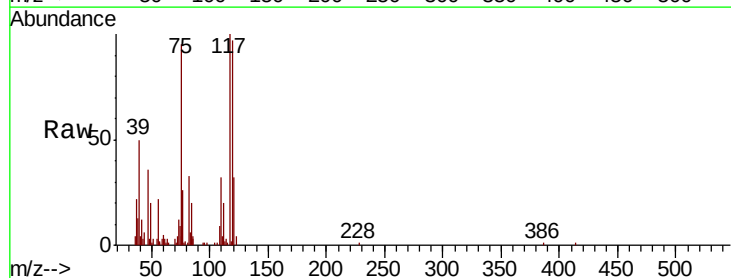
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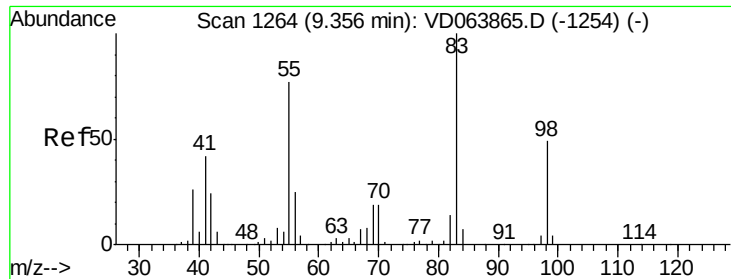
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#38
Carbon Tetrachloride
Concen: 20.827 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	70.8	106.2
121	31.7	21.4	32.0





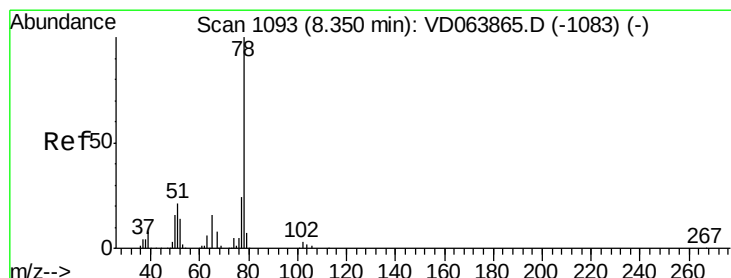
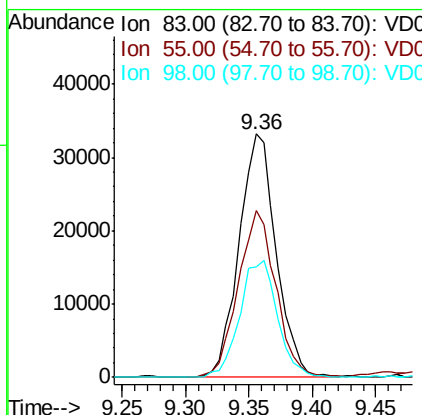
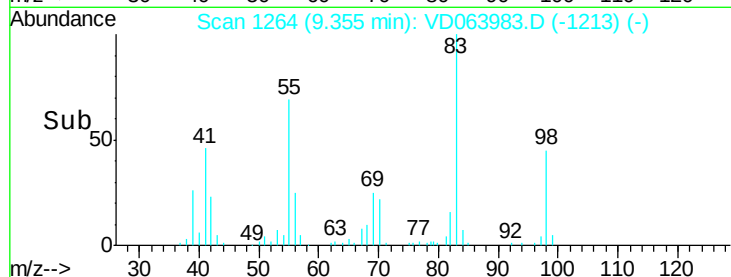
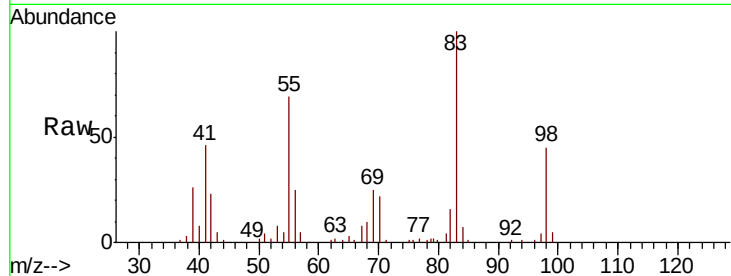
#39
Methylvclclohexane
Concen: 21.617 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	83	Resp	67415
Ion Ratio	100	Lower	Upper
83	100		
55	68.8	61.3	91.9
98	45.4	39.3	58.9

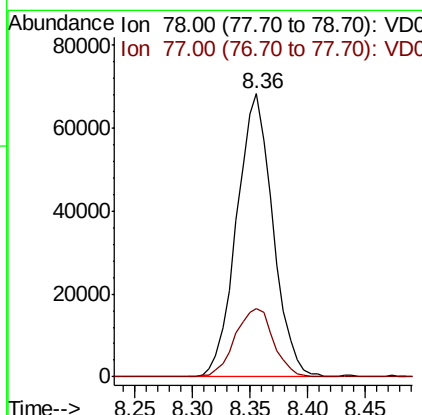
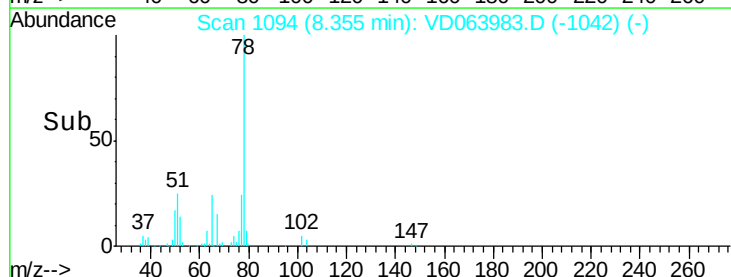
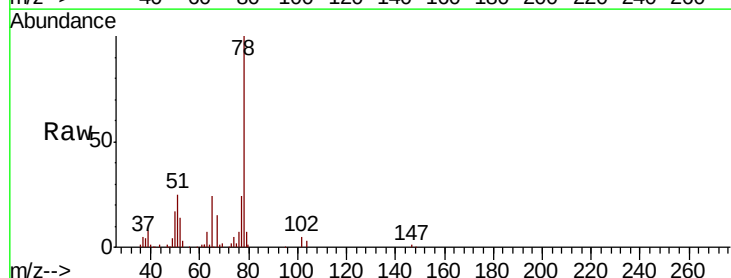
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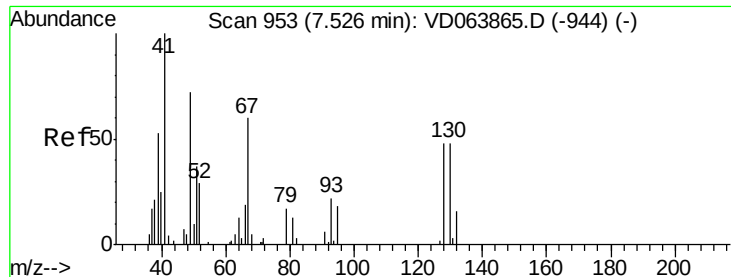
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#40
Benzene
Concen: 20.436 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion	78	Resp	148537
Ion Ratio	100	Lower	Upper
78	100		
77	24.2	19.0	28.6





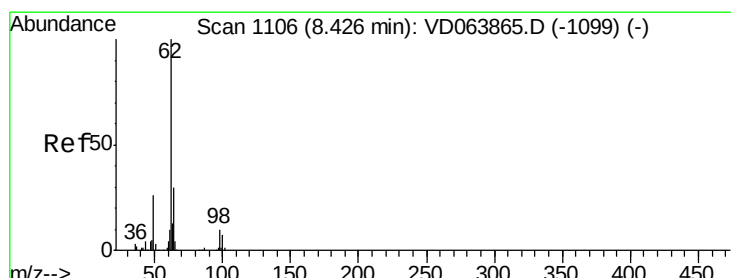
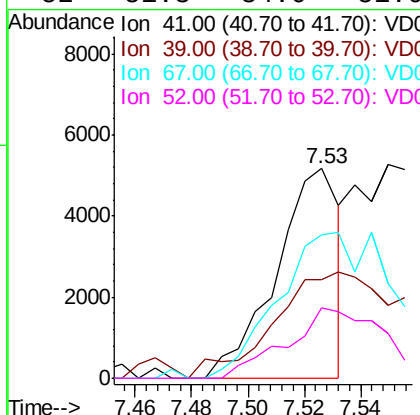
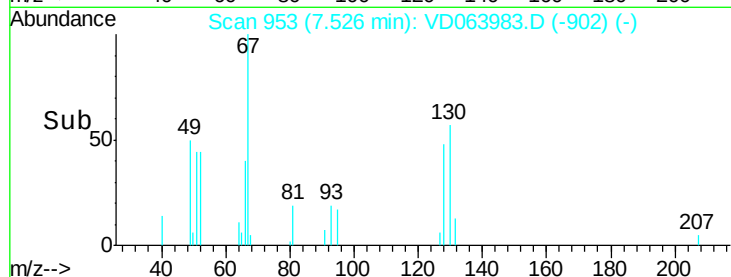
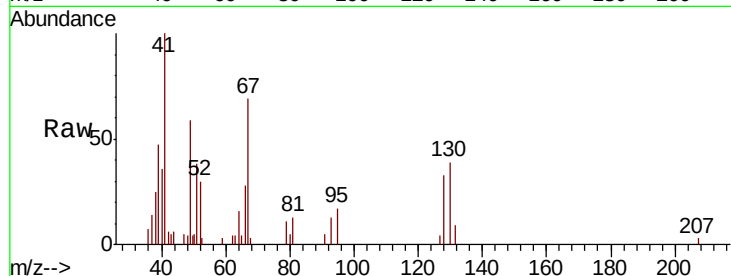
#41
Methacrylonitrile
Concen: 13.720 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	83.9	52.6	78.8#
67	125.0	74.2	111.2#
52	51.3	34.0	51.0#

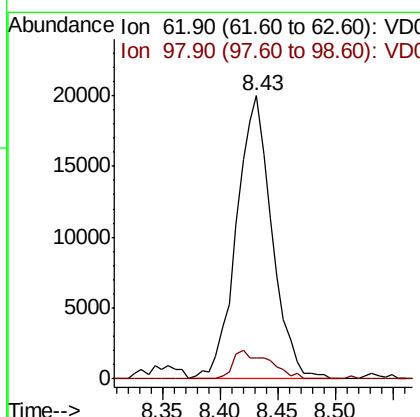
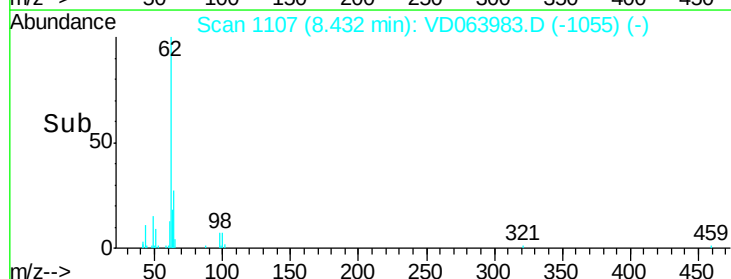
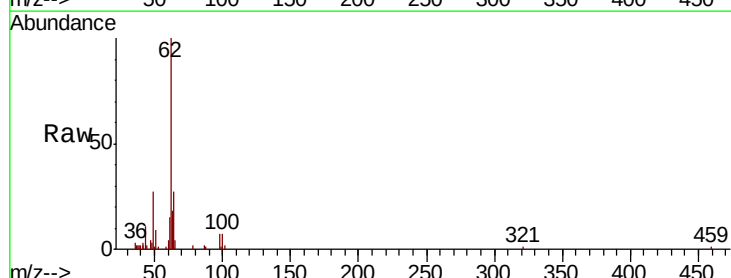
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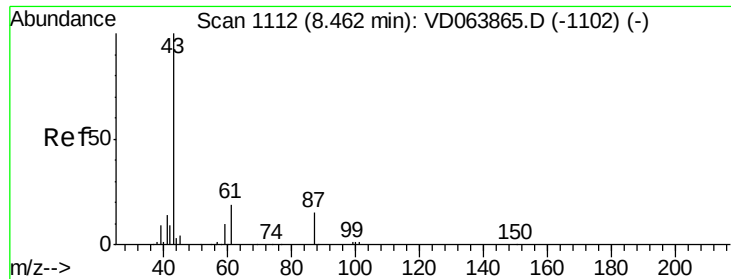
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10/18/2019 12:49:49 AM



#42
1,2-Dichloroethane
Concen: 20.169 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.0





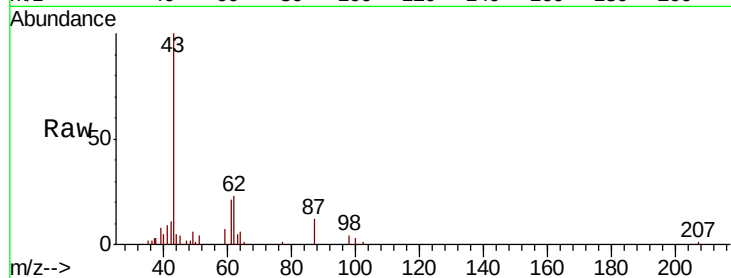
#43
Isopropyl Acetate
Concen: 18.060 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

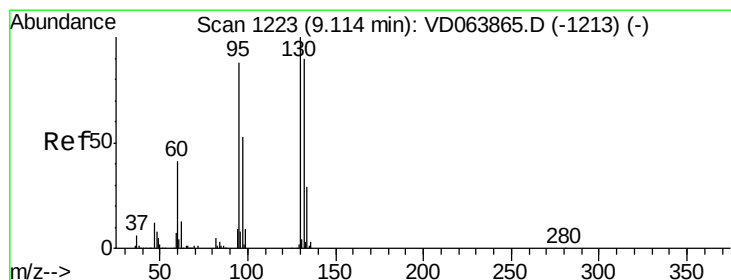
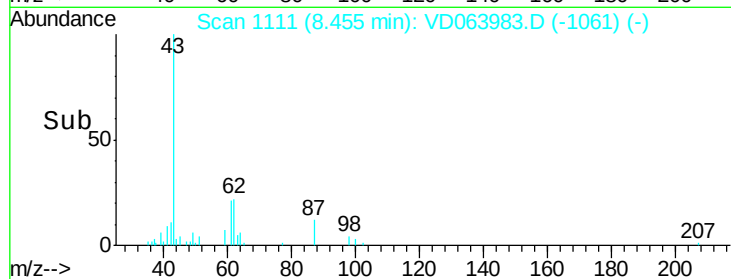
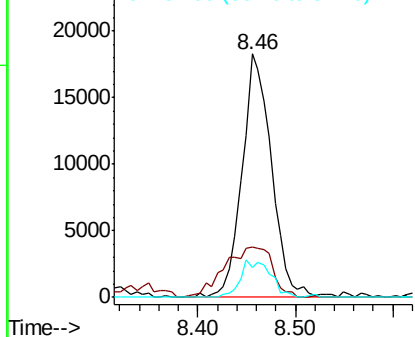
Tot Ion	Ratio	Lower	Upper
43	100		
61	33.6	25.7	38.5
87	15.5	11.6	17.4

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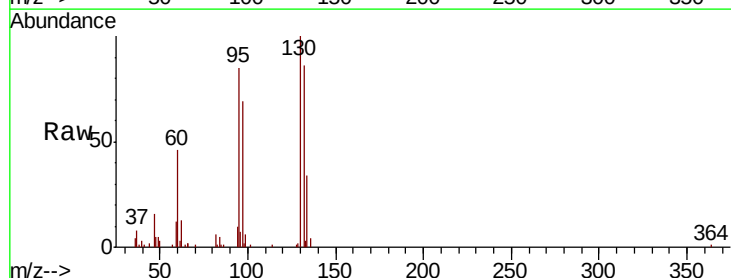


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

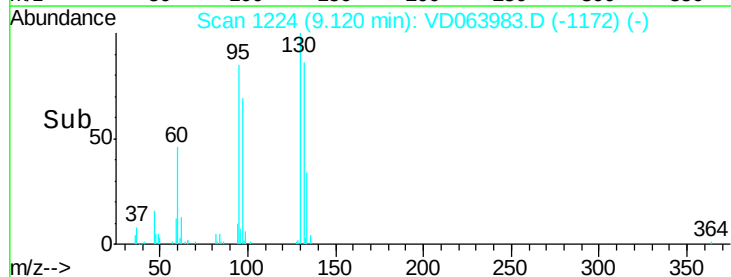
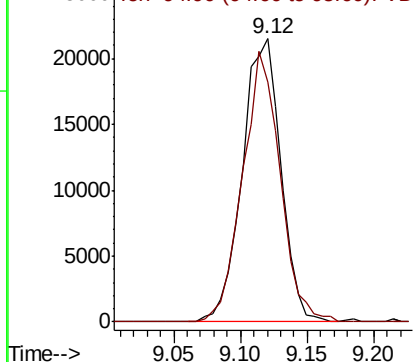


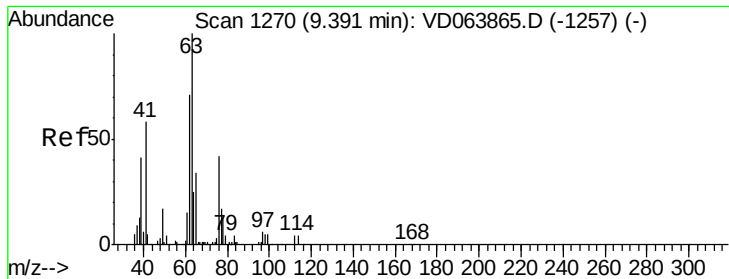
#44
Trichloroethene
Concen: 20.461 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.9	0.0	175.6



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





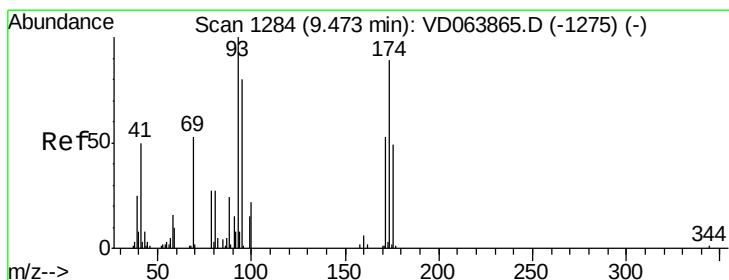
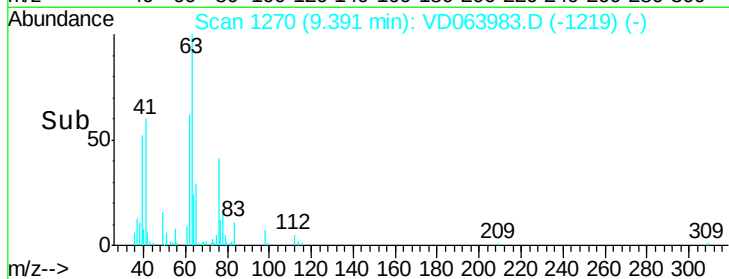
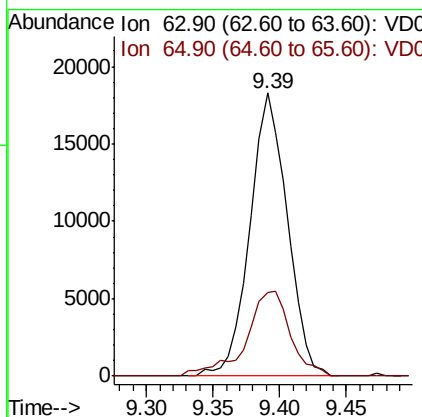
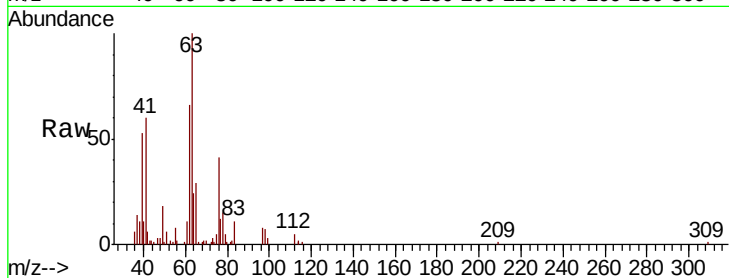
#45
 1,2-Dichloropropane
 Concen: 19.910 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.4	27.3	40.9

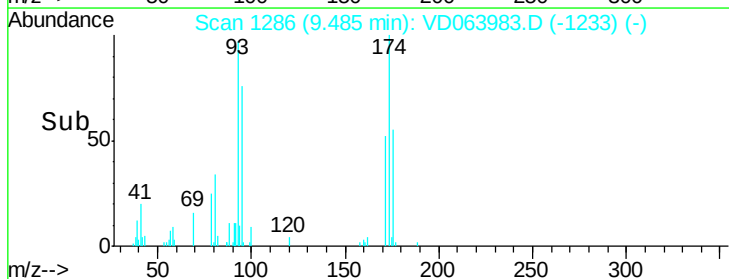
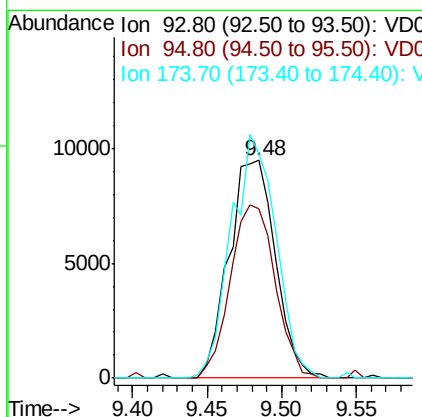
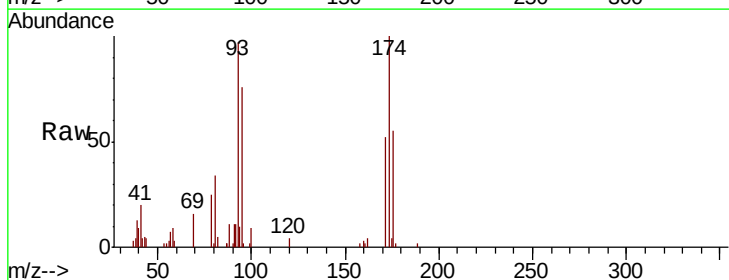
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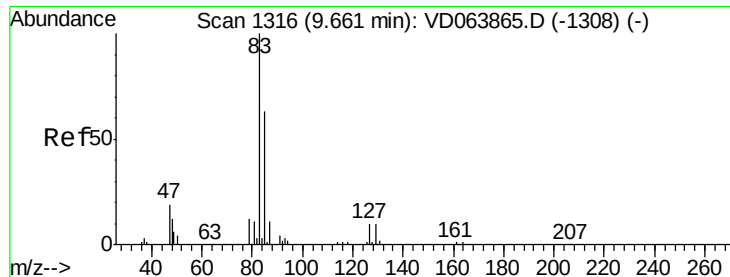
MMDadoda
 10/18/2019 12:49:49 AM



#46
 Dibromomethane
 Concen: 20.279 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	77.0	66.0	99.0
174	107.5	83.4	125.0





#47

Bromodichloromethane

Concen: 19.122 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

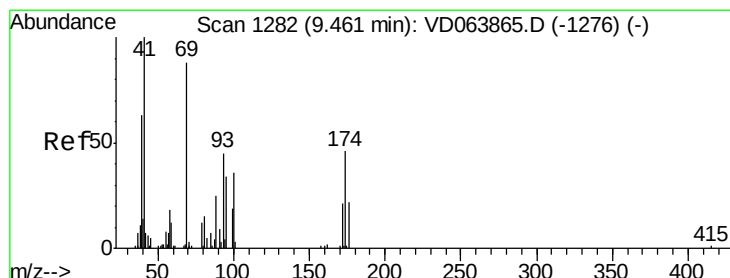
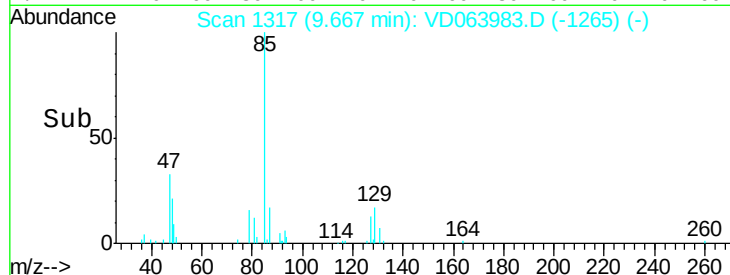
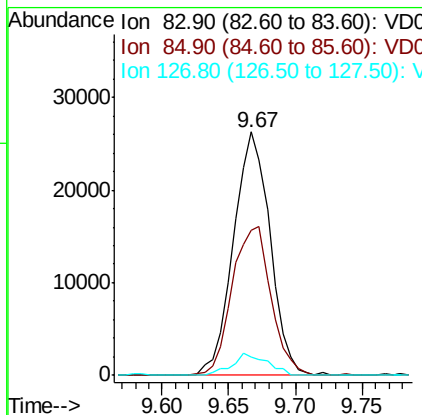
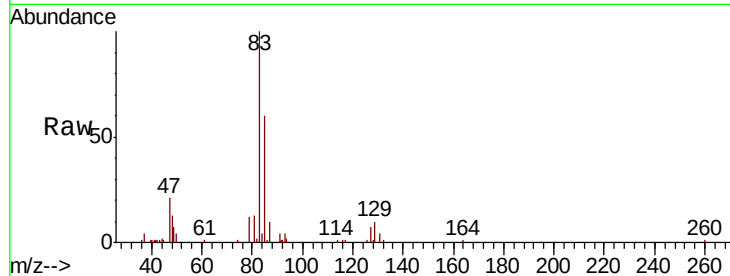
ClientSampleId :

VD1016SBS01

Tot Ion:	83	Resp:	49881
Ion	Ratio	Lower	Upper
83	100		
85	59.8	50.2	75.2
127	7.5	7.6	11.4#

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.578 ug/l

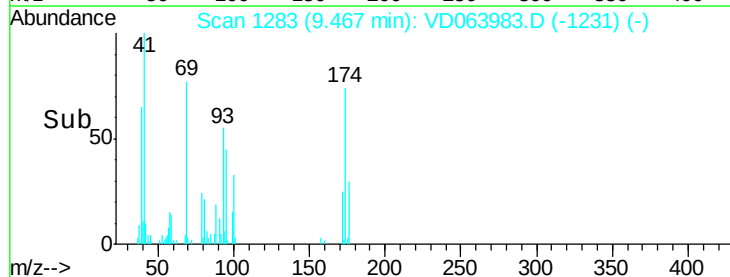
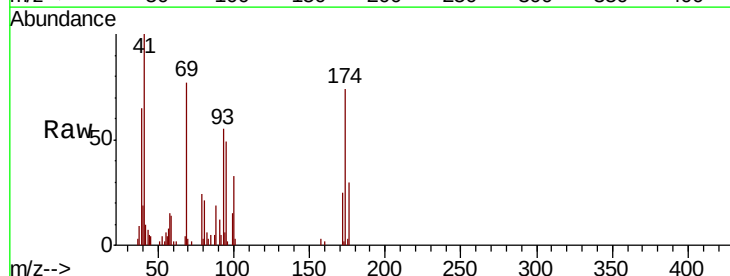
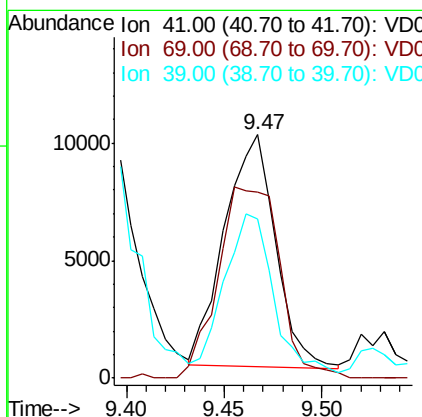
RT: 9.47 min Scan# 1283

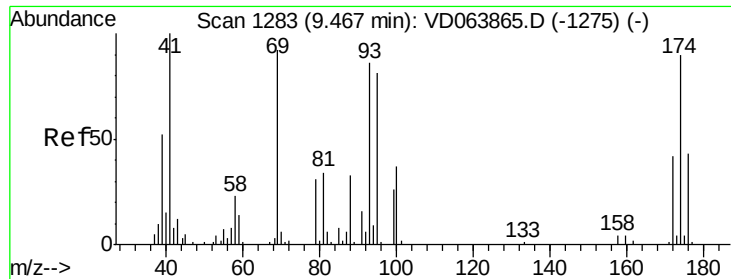
Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Tgt Ion:	41	Resp:	17915
Ion	Ratio	Lower	Upper
41	100		
69	99.5	75.1	112.7
39	64.5	50.2	75.2





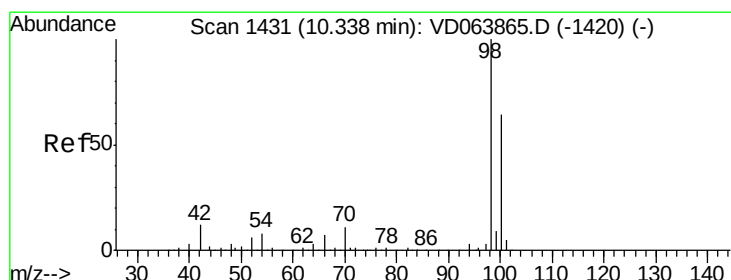
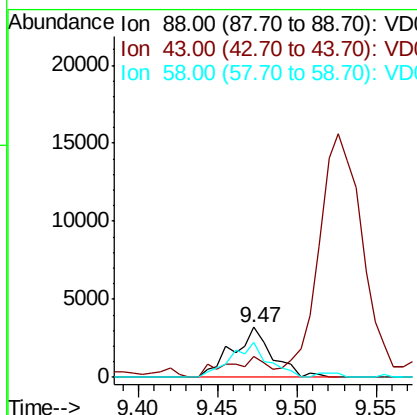
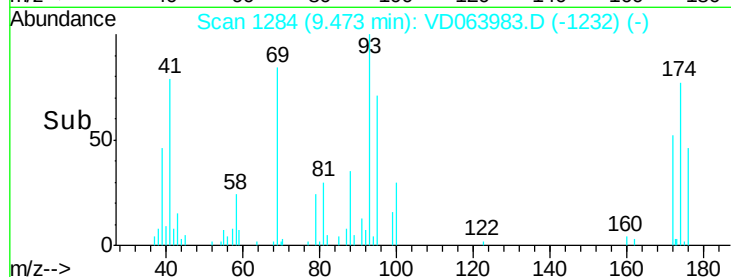
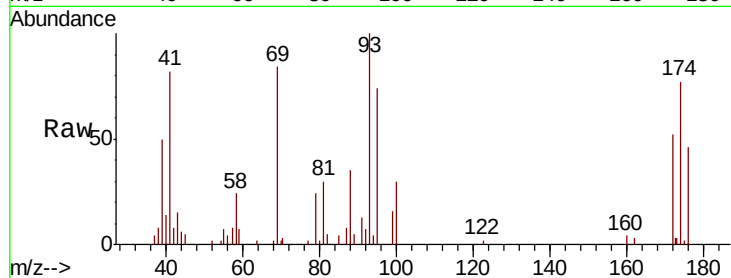
#49
1,4-Dioxane
Concen: 399.635 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 88 Resp: 5527
Ion Ratio Lower Upper
88 100
43 42.1 27.6 41.4#
58 65.8 54.1 81.1

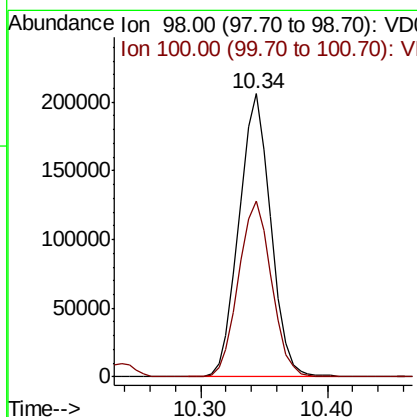
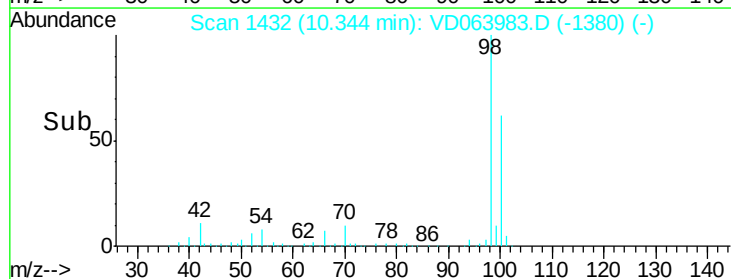
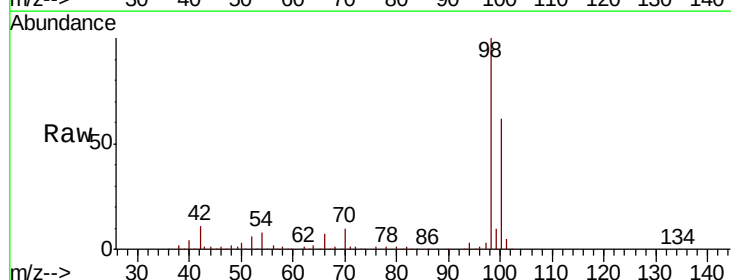
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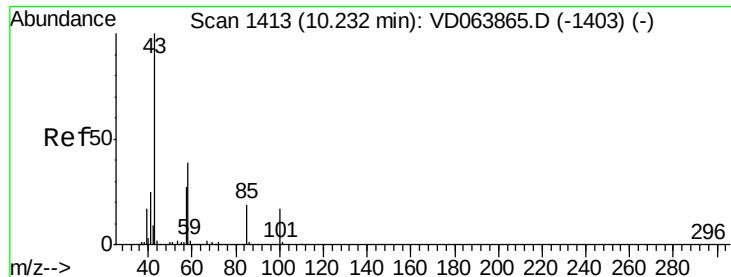
MMDadoda
10/18/2019 12:49:49 AM



#50
Toluene-d8
Concen: 52.025 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion: 98 Resp: 357982
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1





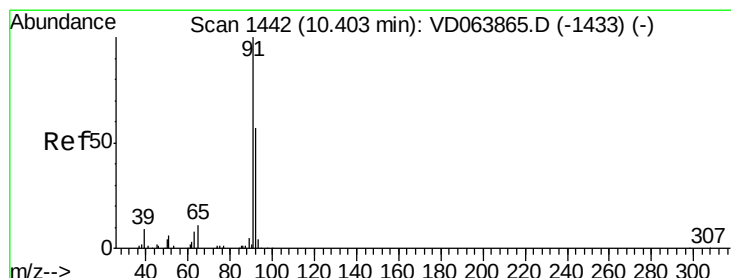
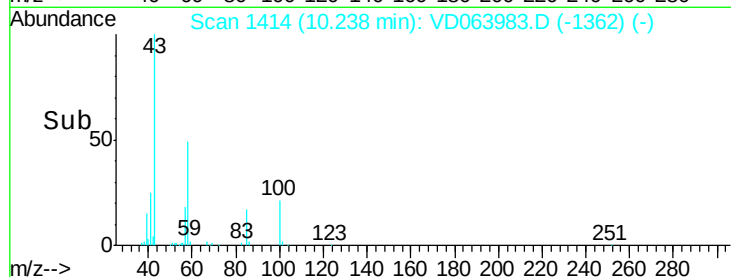
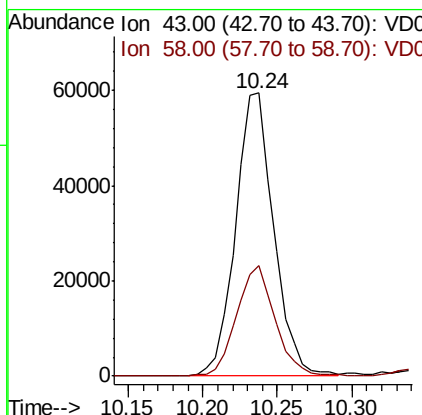
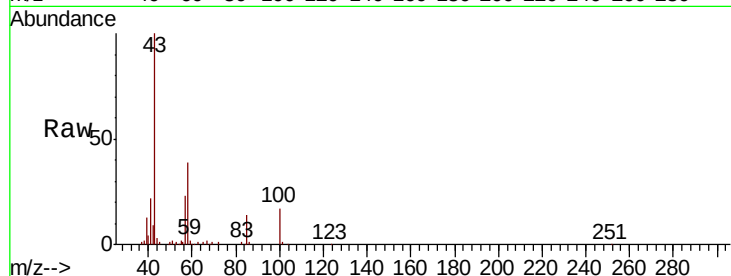
#51
4-Methyl-2-Pentanone
Concen: 95.850 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	43	Resp	105737
Ion Ratio	100	Lower	Upper
43	100		
58	39.4	33.0	49.4

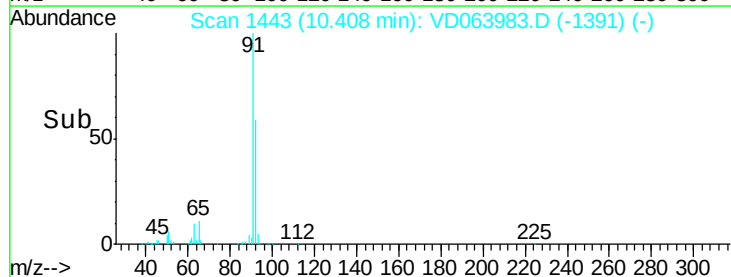
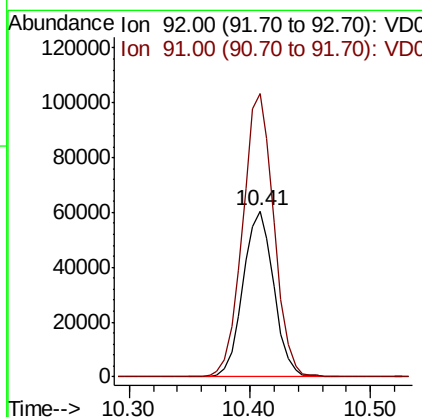
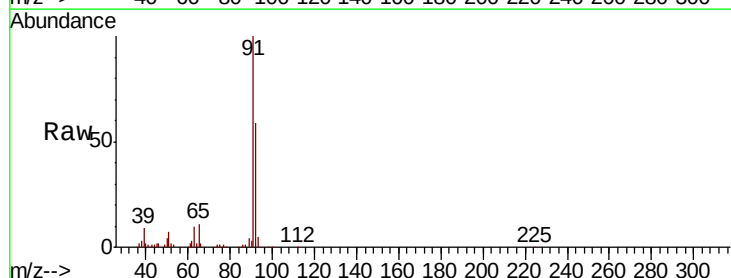
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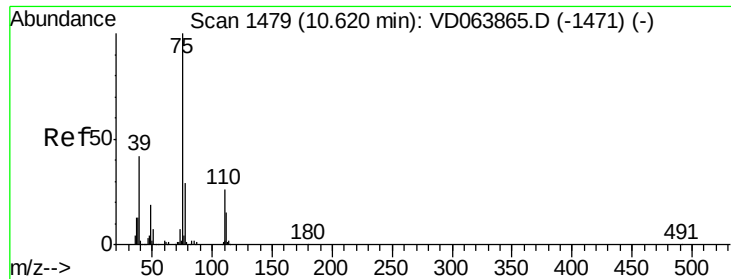
MMDadoda
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#52
Toluene
Concen: 21.456 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion	92	Resp	107056
Ion Ratio	100	Lower	Upper
92	100		
91	172.9	139.5	209.3





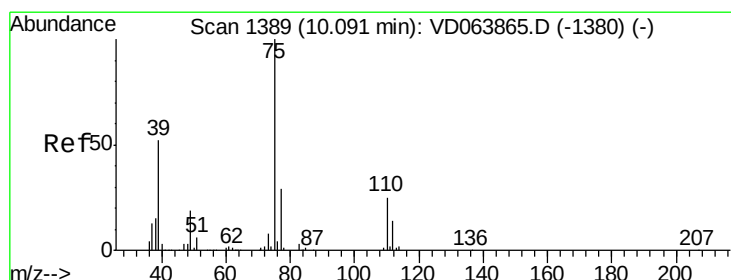
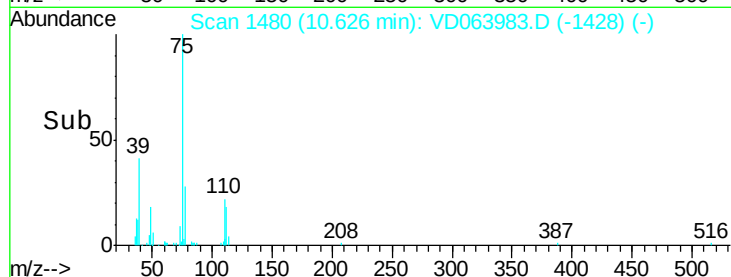
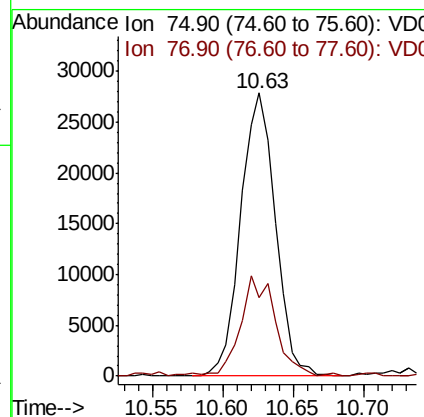
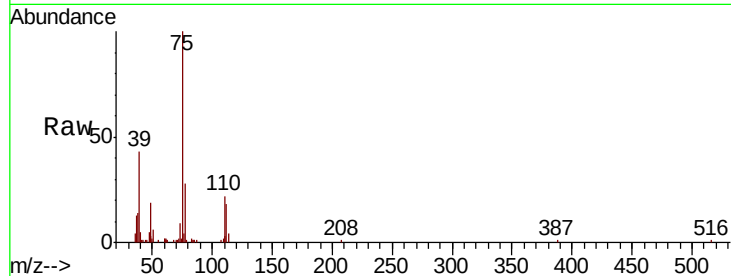
#53
t-1,3-Dichloropropene
Concen: 18.837 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 75 Resp: 47951
Ion Ratio Lower Upper
75 100
77 27.9 22.8 34.2

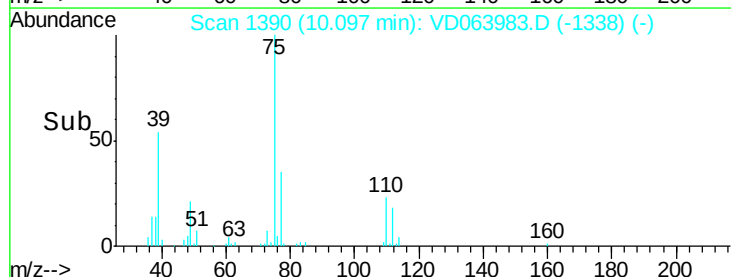
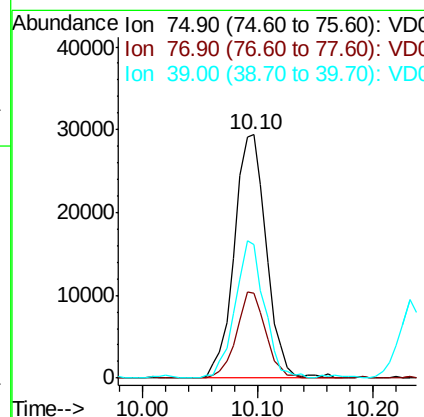
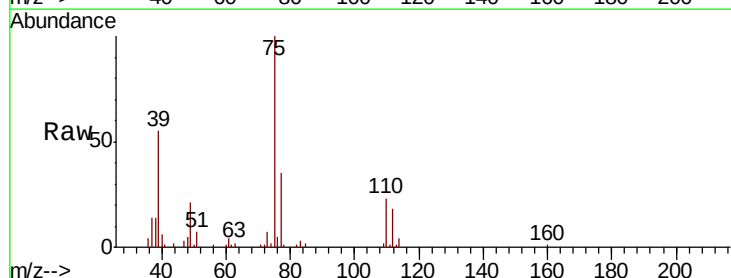
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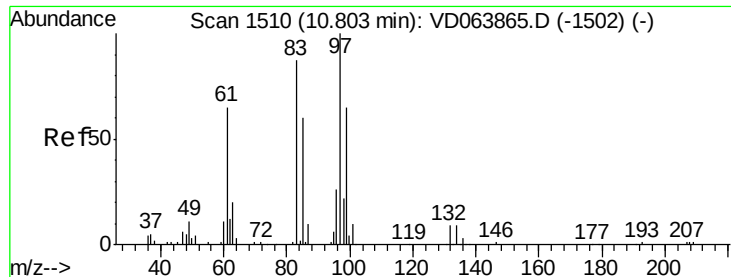
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.289 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion: 75 Resp: 56519
Ion Ratio Lower Upper
75 100
77 34.9 23.2 34.8#
39 54.7 41.5 62.3





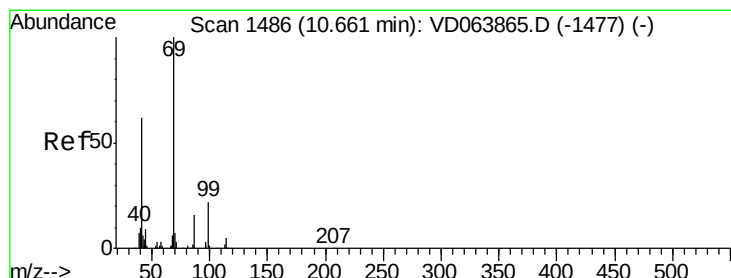
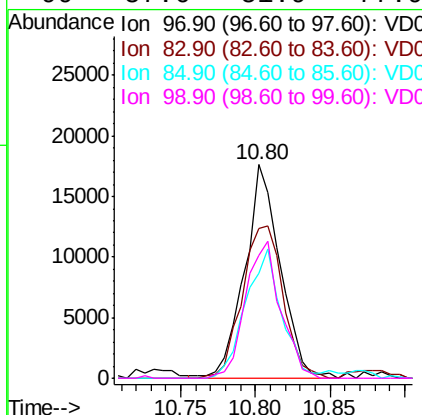
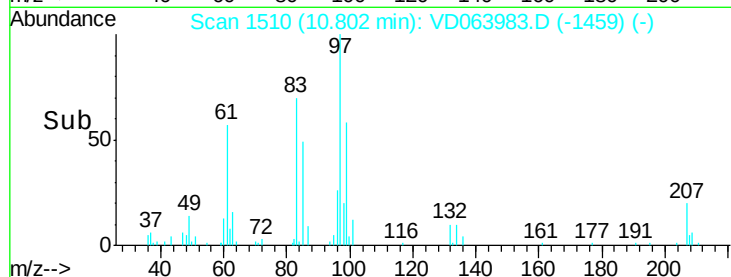
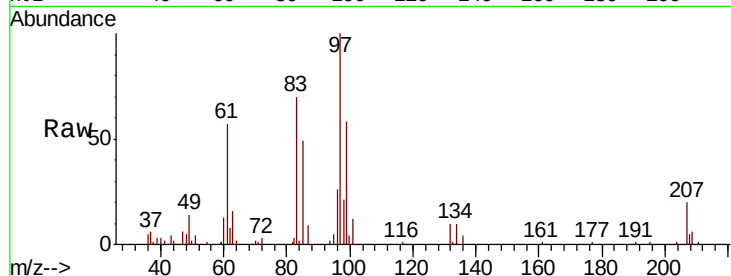
#55
 1,1,2-Trichloroethane
 Concen: 20.369 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion:	97	Resp:	29140
Ion	Ratio	Lower	Upper
97	100		
83	70.1	69.7	104.5
85	48.9	48.1	72.1
99	57.6	51.9	77.9

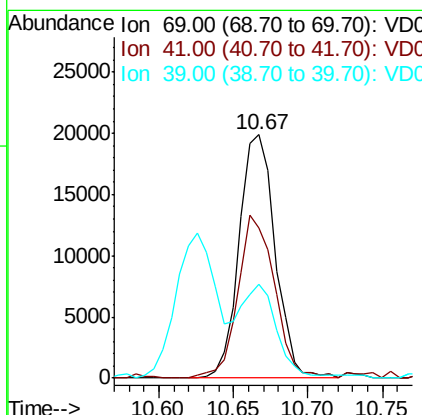
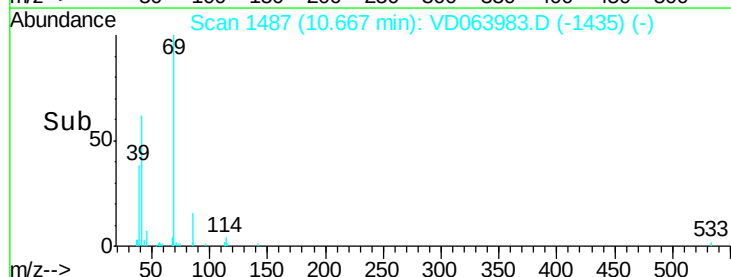
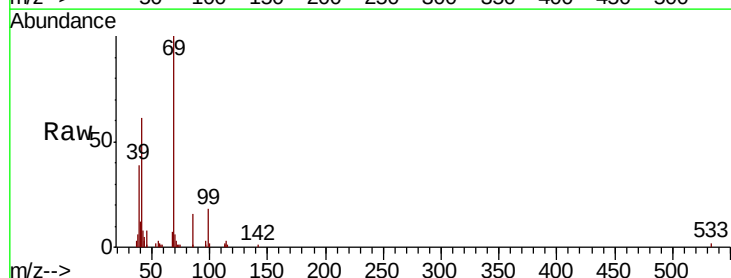
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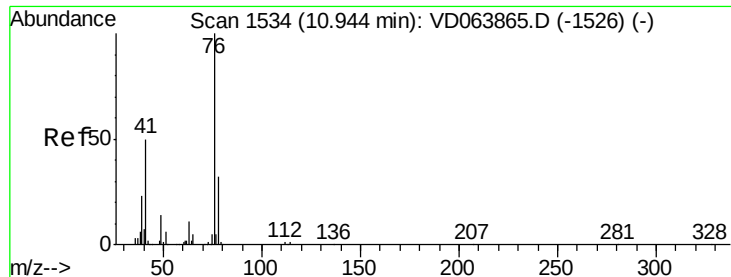
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#56
 Ethyl methacrylate
 Concen: 18.390 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Tgt Ion:	69	Resp:	33317
Ion	Ratio	Lower	Upper
69	100		
41	68.1	51.3	76.9
39	38.0	28.0	42.0





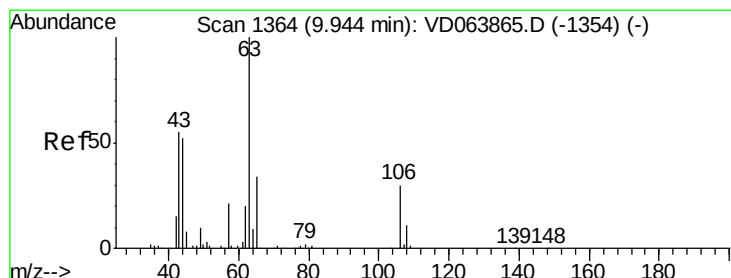
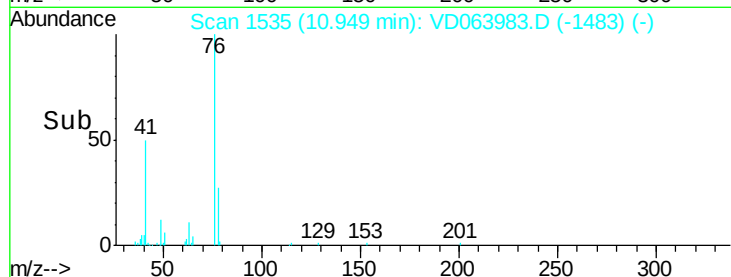
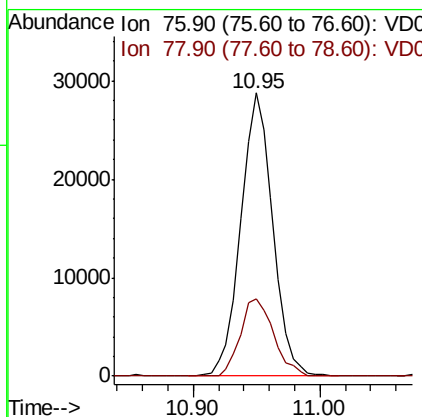
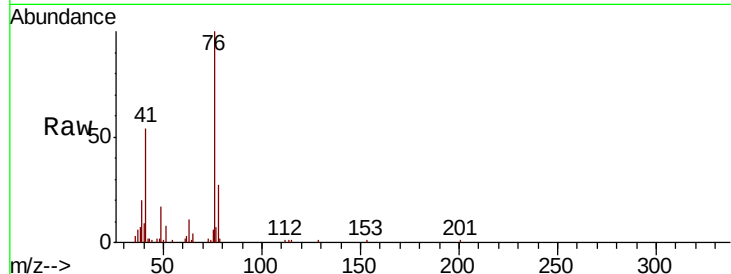
#57
 1,3-Dichloropropane
 Concen: 20.537 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBSD01

Tot Ion: 76 Resp: 50269
 Ion Ratio Lower Upper
 76 100
 78 28.4 26.6 40.0

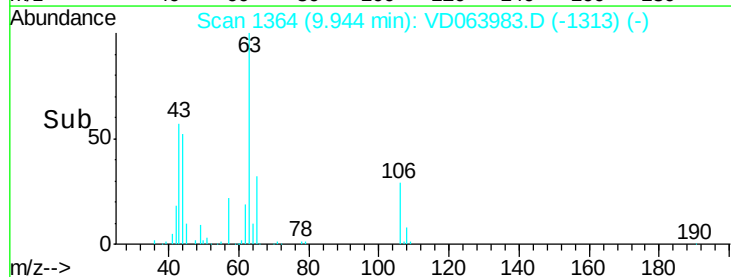
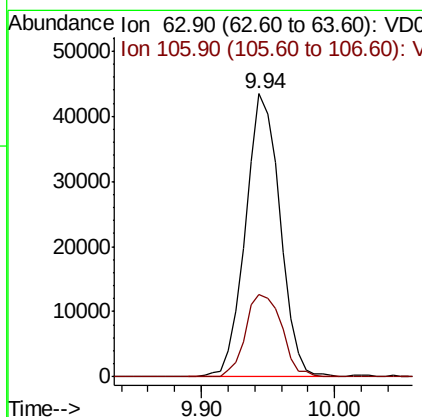
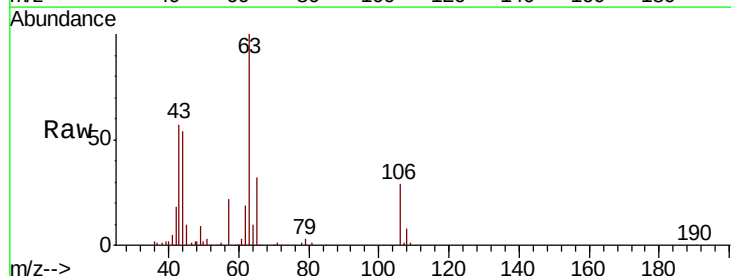
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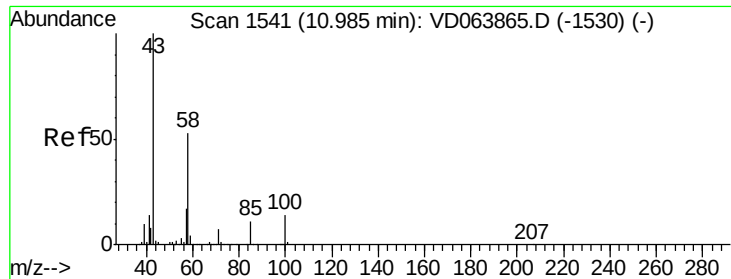
MMDadoda
 10/18/2019 12:49:49 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.157 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Tgt Ion: 63 Resp: 77215
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.3 36.5





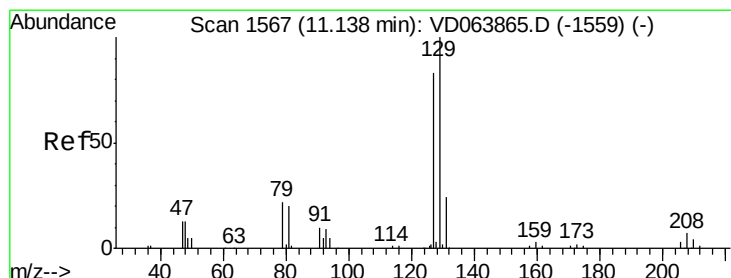
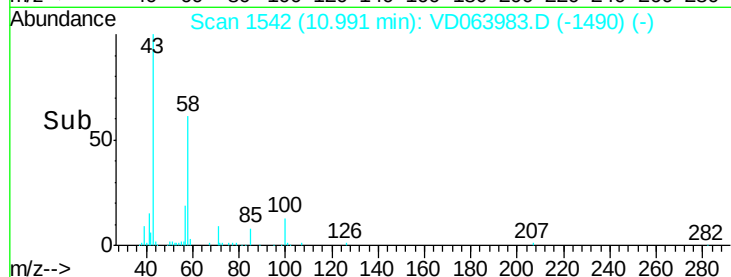
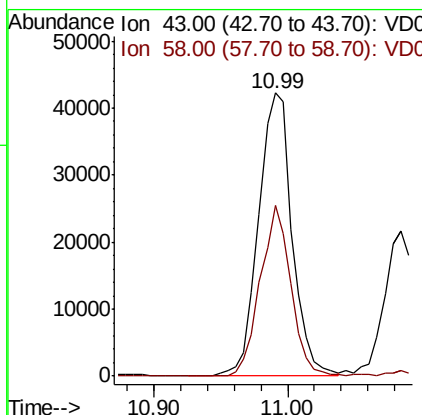
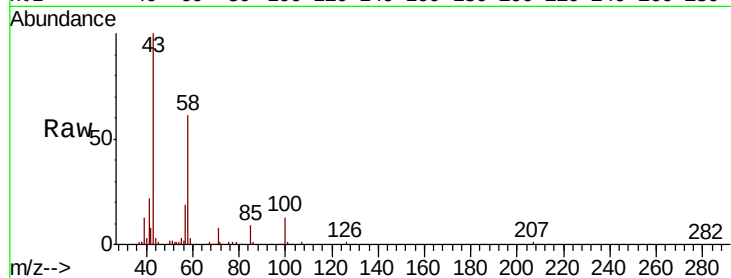
#59
2-Hexanone
Concen: 92.251 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 43 Resp: 73615
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.0

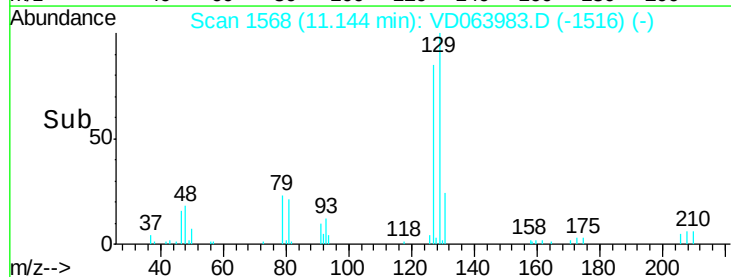
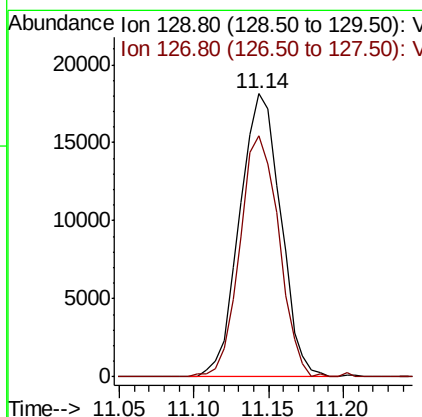
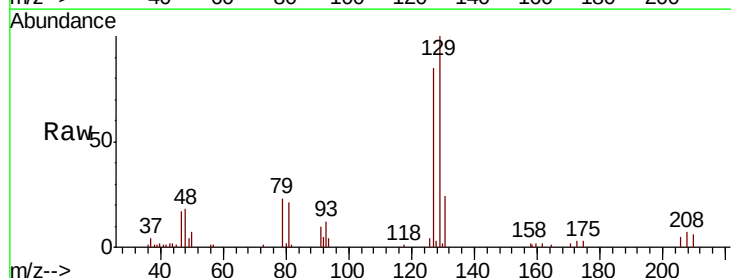
Manual Integrations
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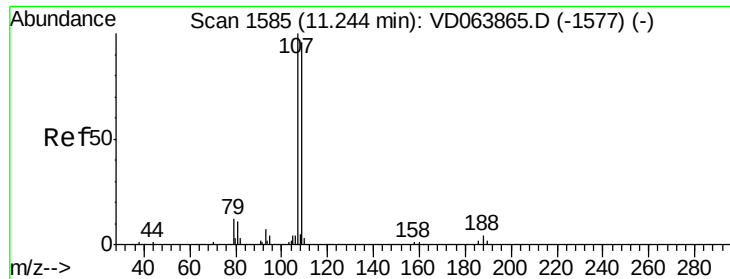
MMDadoda
10/18/2019 12:49:49 AM



#60
Dibromochloromethane
Concen: 18.612 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion: 129 Resp: 34664
Ion Ratio Lower Upper
129 100
127 80.6 39.9 119.6





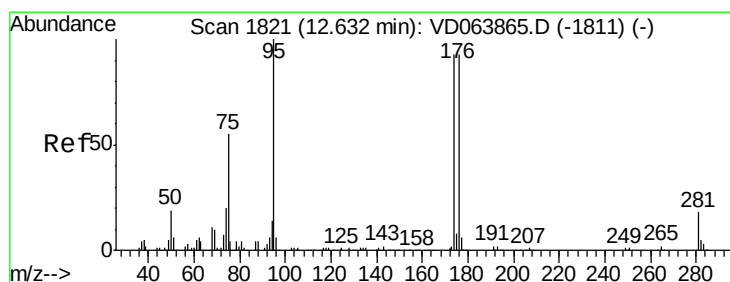
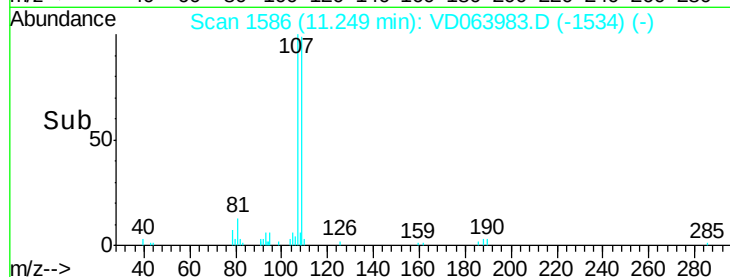
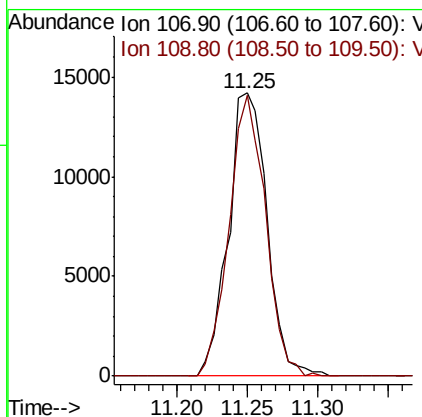
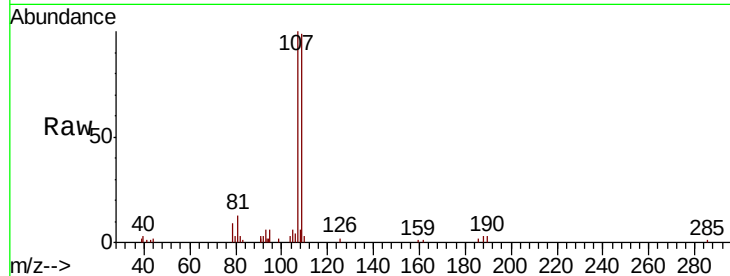
#61
 1,2-Dibromoethane
 Concen: 19.517 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBSD01

Tot Ion: 107 Resp: 27068
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.2 112.8

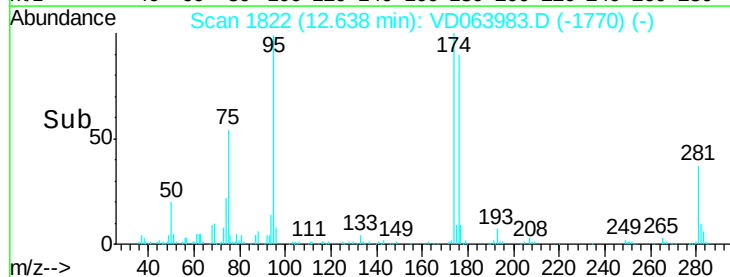
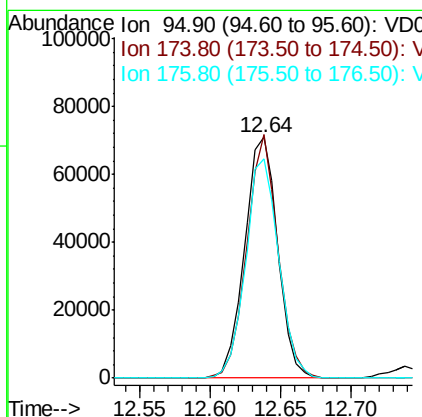
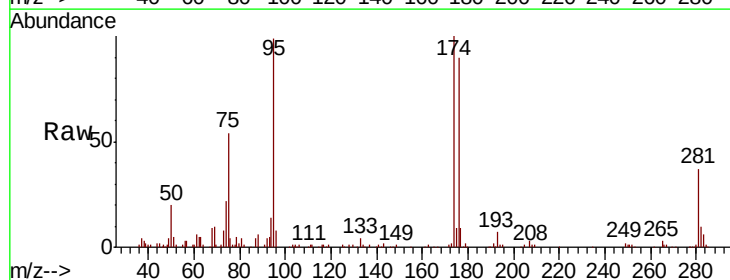
Manual Integrations
 APPROVED

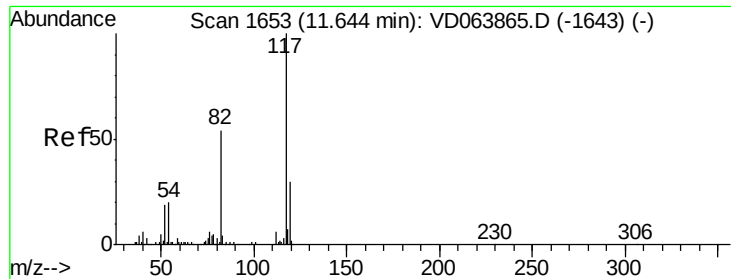
MMDadoda
 10/18/2019 12:49:49 AM



#62
 4-Bromofluorobenzene
 Concen: 48.586 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Tgt Ion: 95 Resp: 116176
 Ion Ratio Lower Upper
 95 100
 174 95.5 0.0 186.4
 176 91.7 0.0 184.2





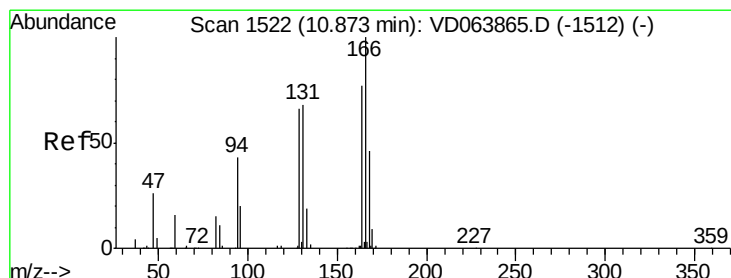
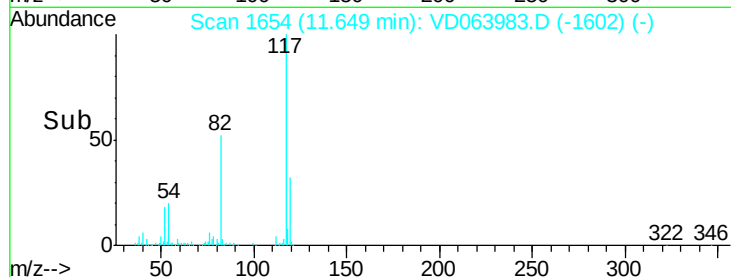
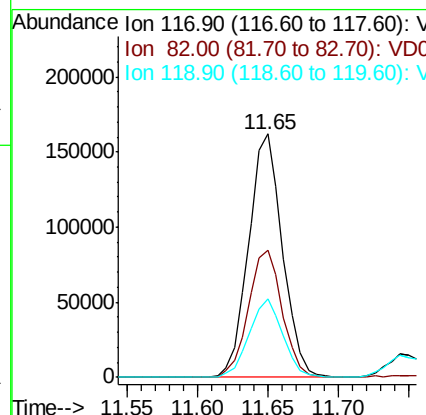
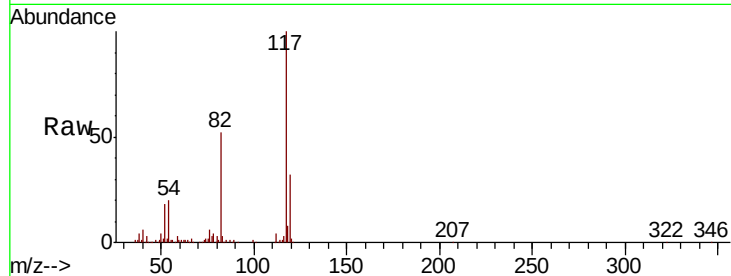
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.8	64.2
119	32.3	24.4	36.6

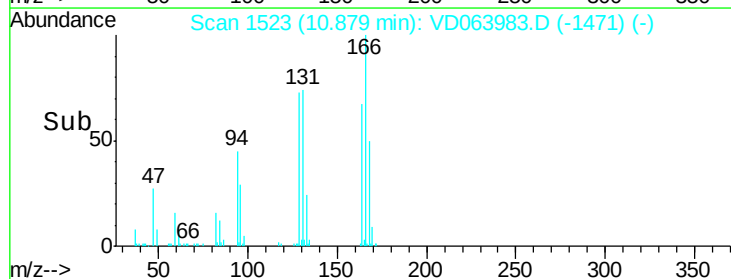
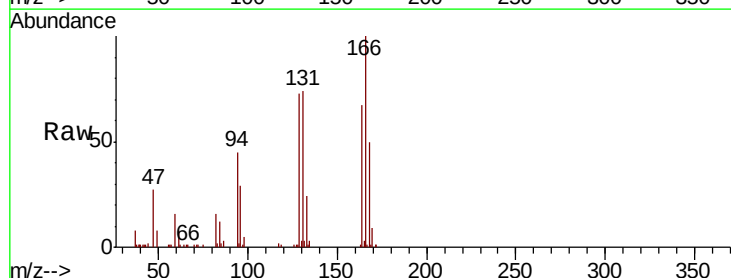
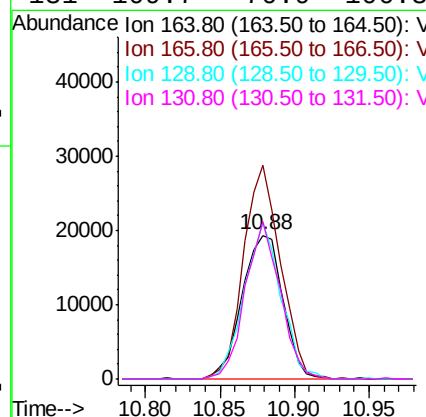
Manual Integrations
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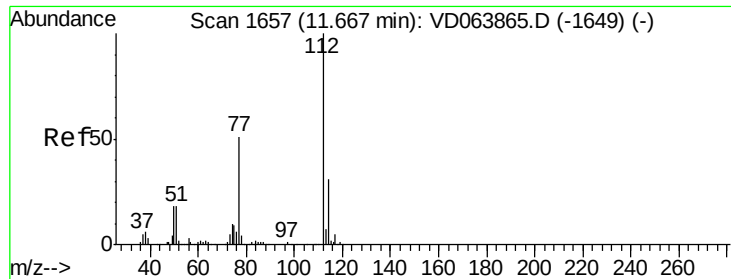
MMDadoda
10/18/2019 12:49:49 AM



#64
Tetrachloroethene
Concen: 19.696 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	148.7	103.8	155.6
129	108.9	68.9	103.3#
131	109.7	70.9	106.3#





#65

Chlorobenzene

Concen: 21.000 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion:112 Resp: 114820

Ion Ratio Lower Upper

112 100

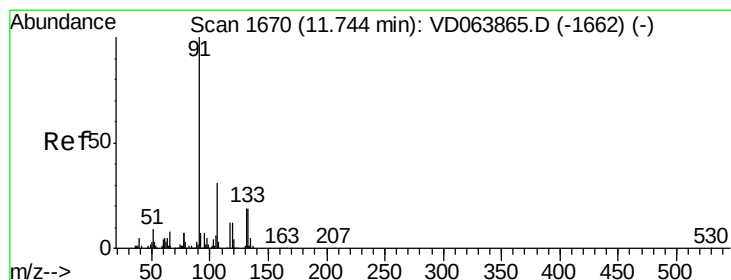
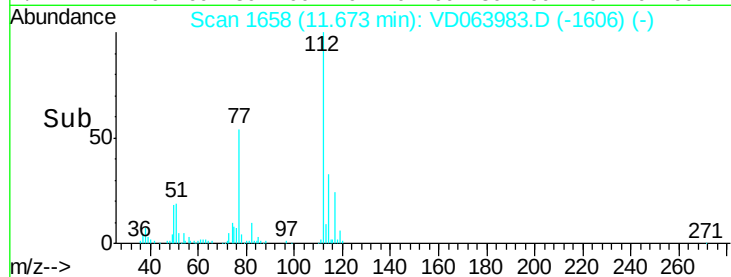
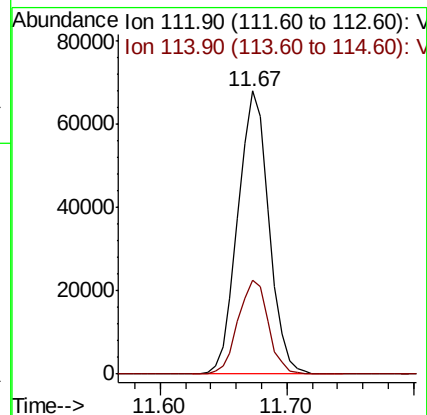
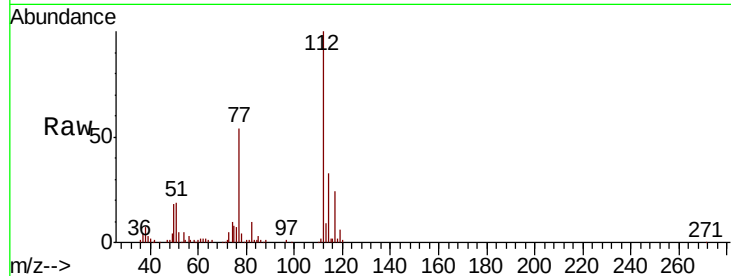
114 33.4 25.1 37.7

Manual Integrations

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MMDadoda

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.972 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

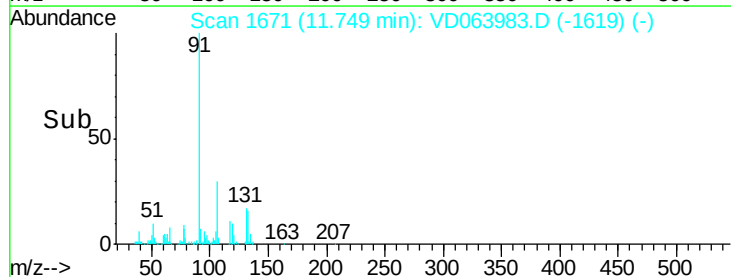
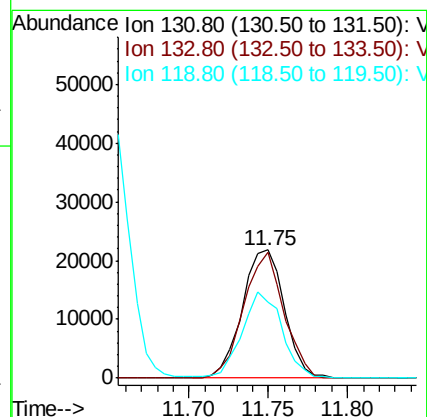
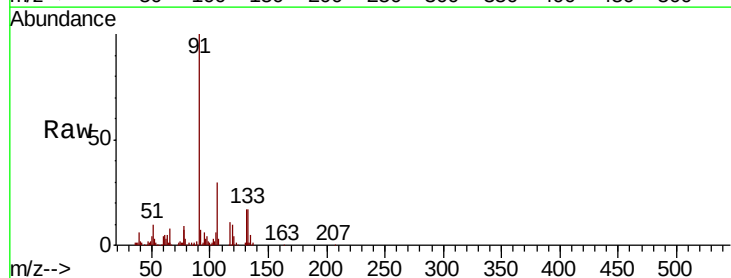
Tgt Ion:131 Resp: 40237

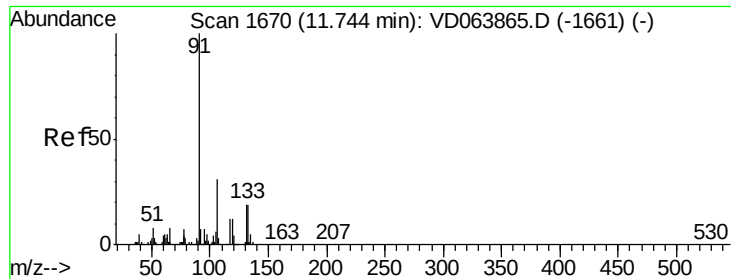
Ion Ratio Lower Upper

131 100

133 93.6 48.9 146.7

119 64.0 32.6 97.8





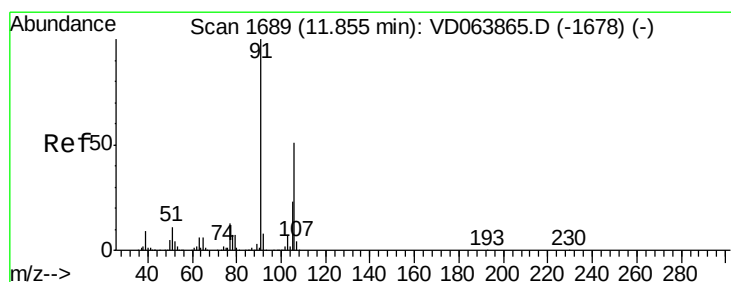
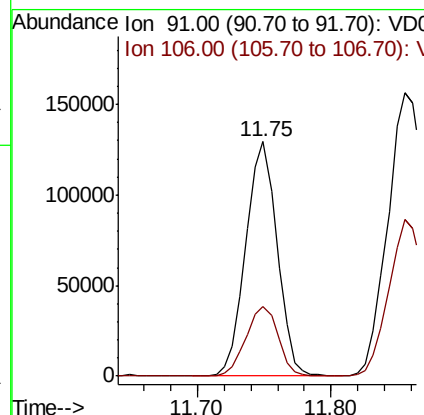
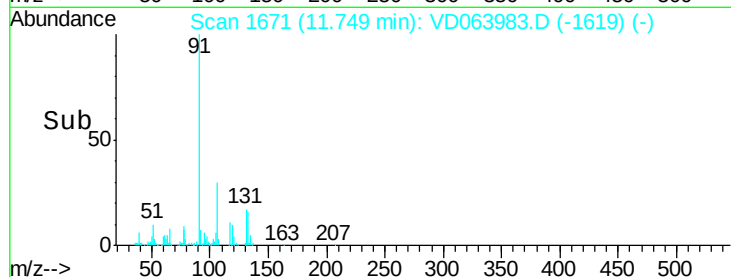
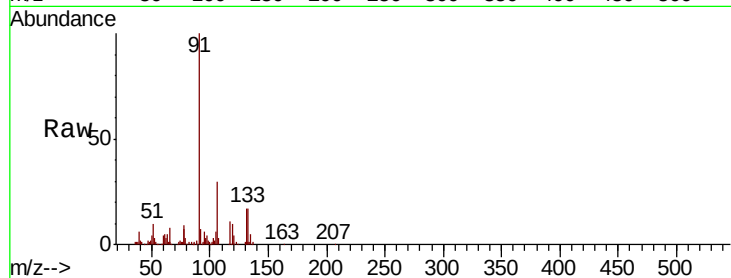
#67
Ethyl Benzene
Concen: 21.367 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBSD01

Tot Ion: 91 Resp: 210660
Ion Ratio Lower Upper
91 100
106 29.7 24.6 37.0

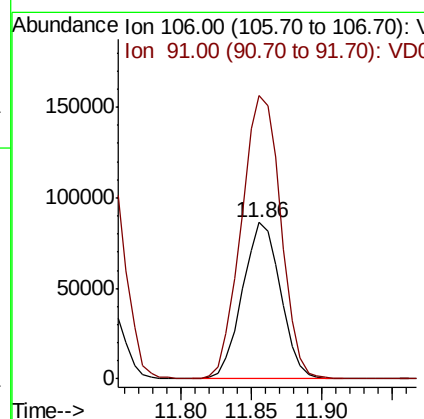
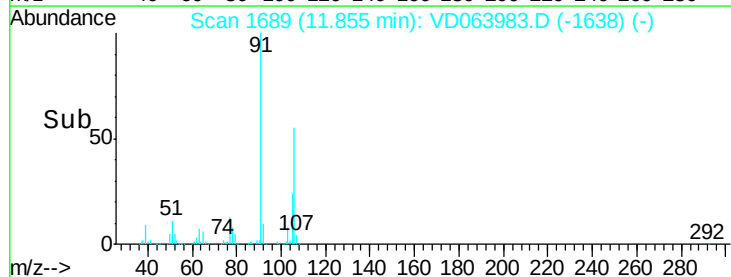
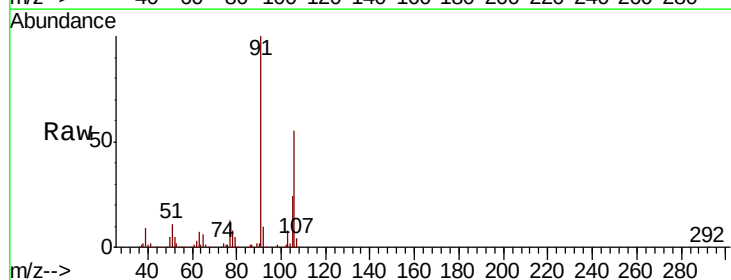
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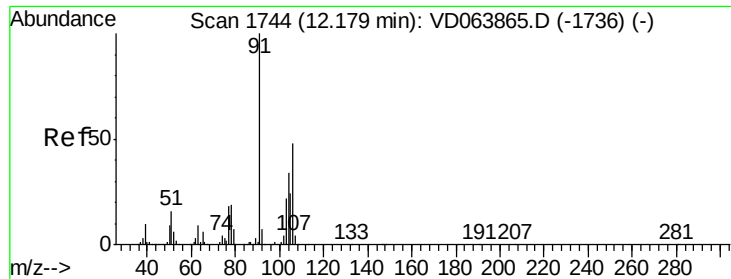
MMDadoda
10/18/2019 12:49:49 AM



#68
m/p-Xylenes
Concen: 42.918 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion: 106 Resp: 163321
Ion Ratio Lower Upper
106 100
91 187.9 154.8 232.2





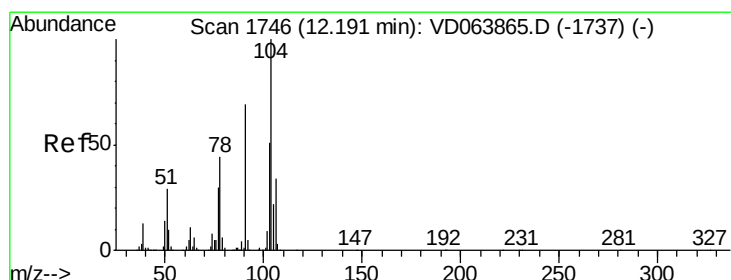
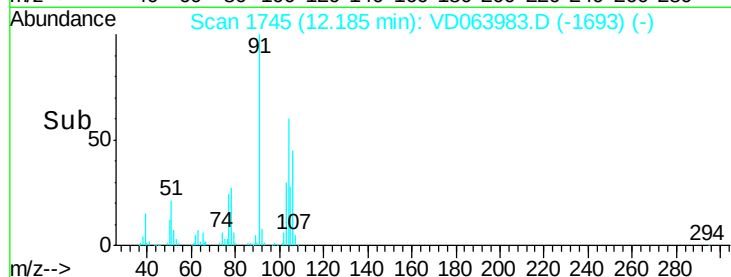
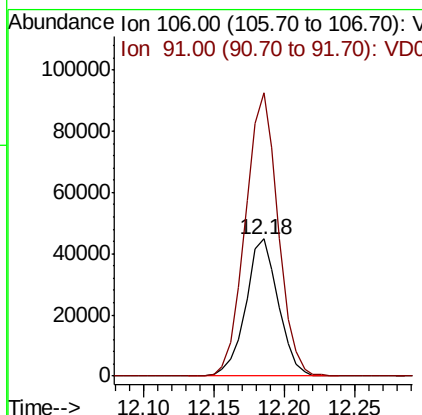
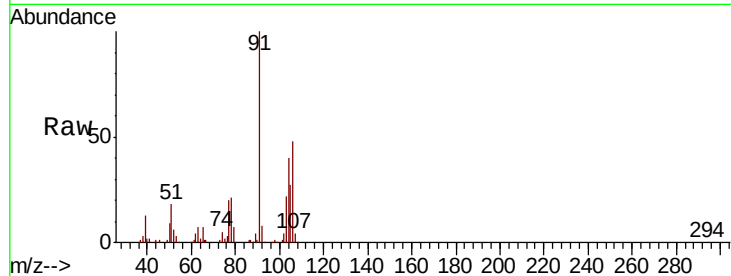
#69
o-Xylene
Concen: 19.895 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion:106 Resp: 72495
Ion Ratio Lower Upper
106 100
91 207.2 103.9 311.7

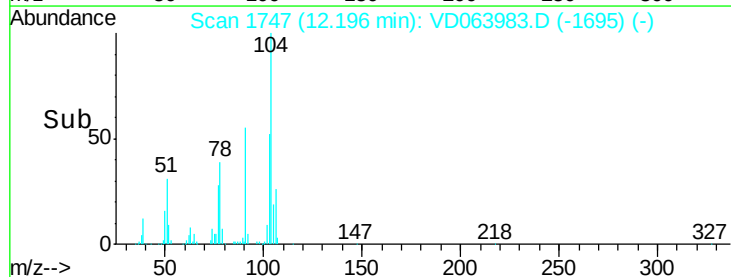
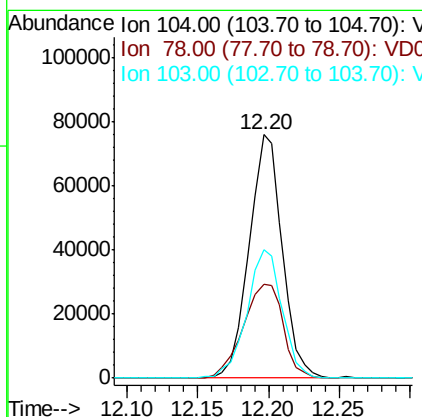
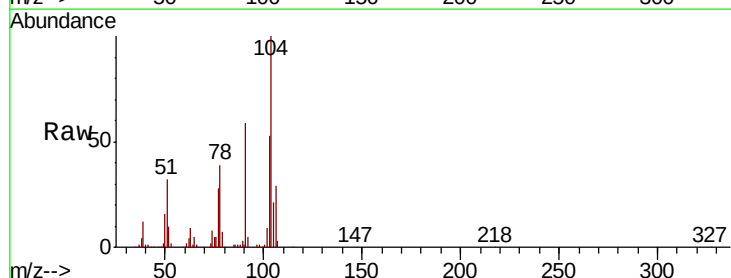
Manual Integrations
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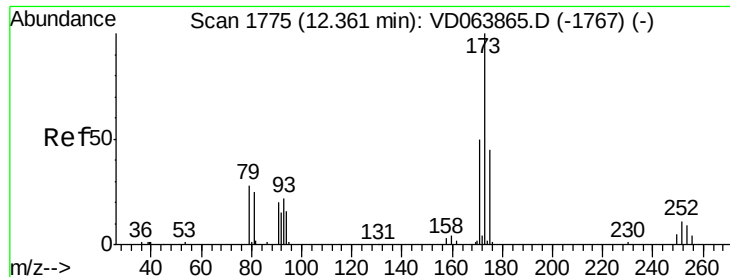
MMDadoda
10/18/2019 12:49:49 AM



#70
Styrene
Concen: 20.291 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion:104 Resp: 125163
Ion Ratio Lower Upper
104 100
78 46.4 37.0 55.4
103 56.4 44.2 66.4





#71

Bromoform

Concen: 19.717 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion:173 Resp: 21318

Ion Ratio Lower Upper

173 100

175 48.2 24.6 74.0

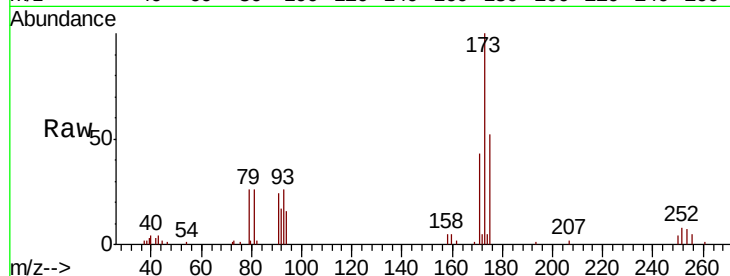
254 0.0 0.0 0.0

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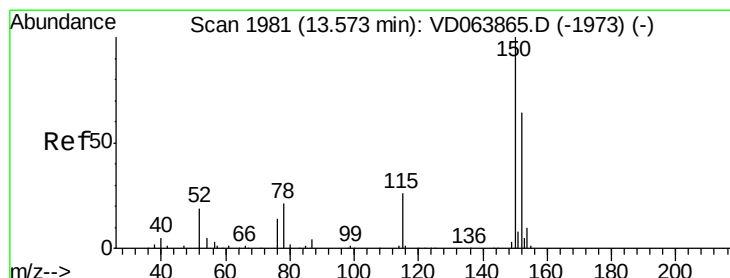
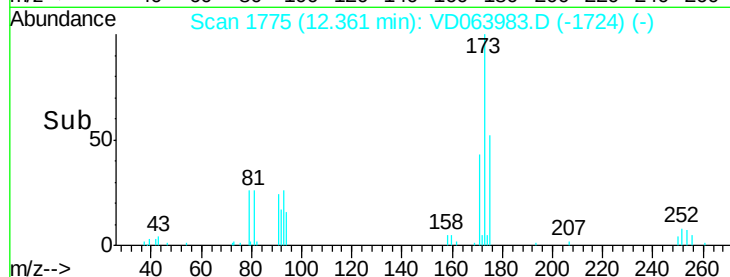
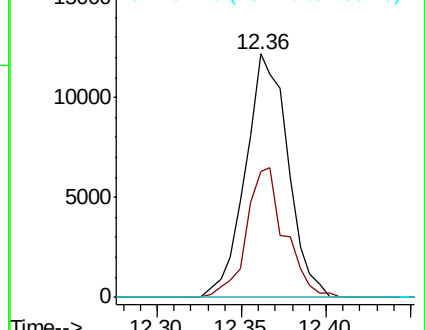
10/18/2019 12:49:49 AM



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: VD063983.D

Acq: 16 Oct 2019 13:14

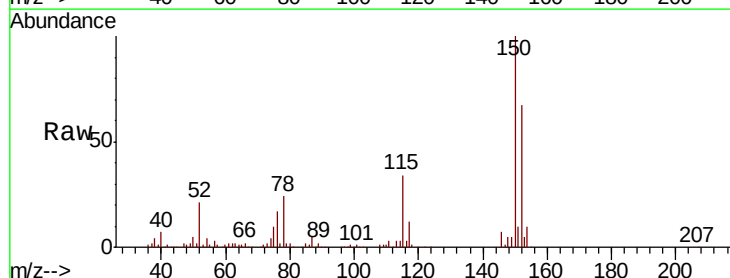
Tgt Ion:152 Resp: 141154

Ion Ratio Lower Upper

152 100

115 55.9 25.9 77.7

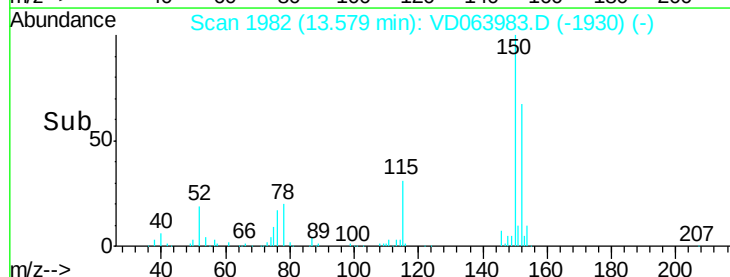
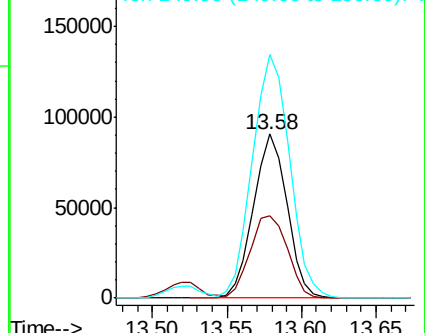
150 165.1 0.0 344.2

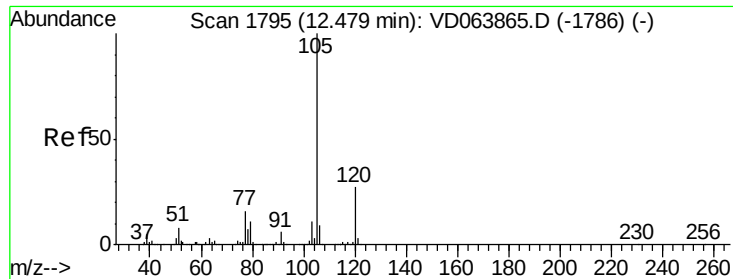


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.455 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 105 Resp: 203591

Ion Ratio Lower Upper

105 100

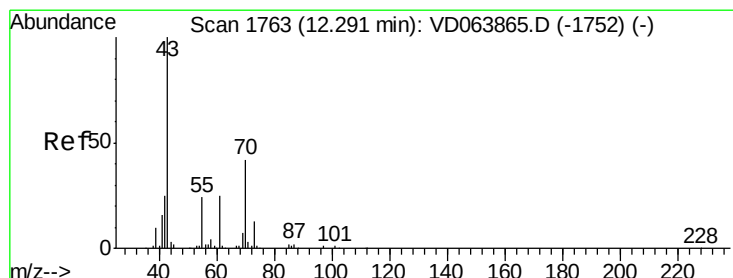
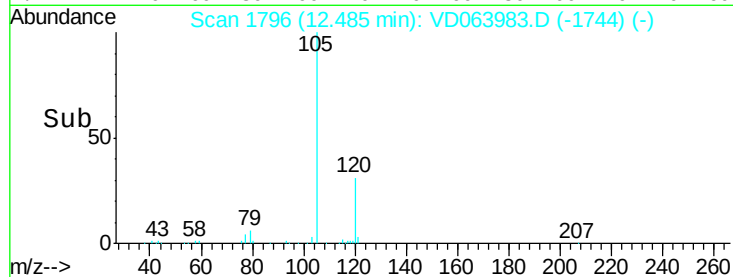
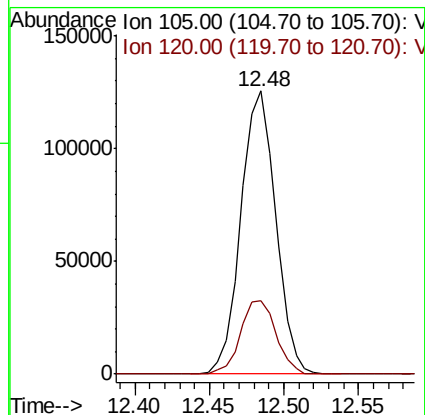
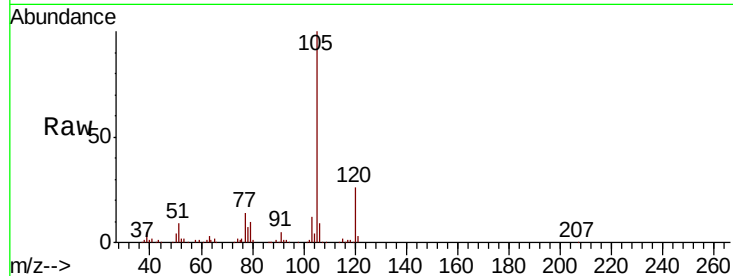
120 26.6 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.060 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Tgt Ion: 43 Resp: 36896

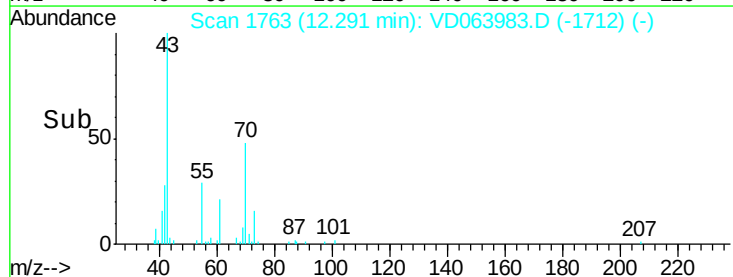
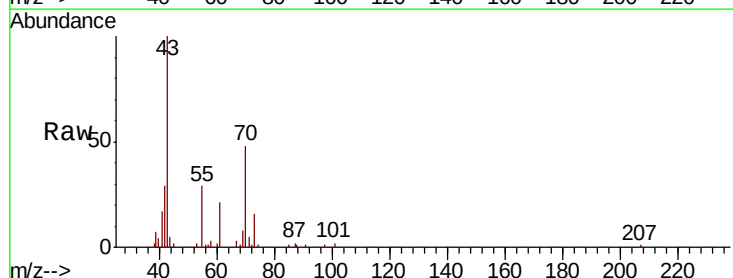
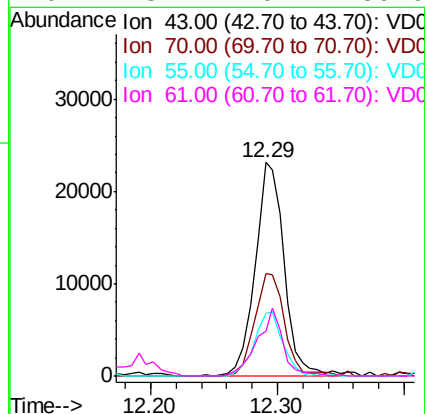
Ion Ratio Lower Upper

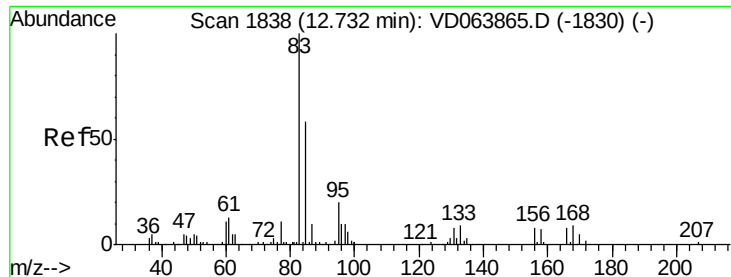
43 100

70 48.2 35.8 53.6

55 29.4 19.4 29.0

61 28.2 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.515 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

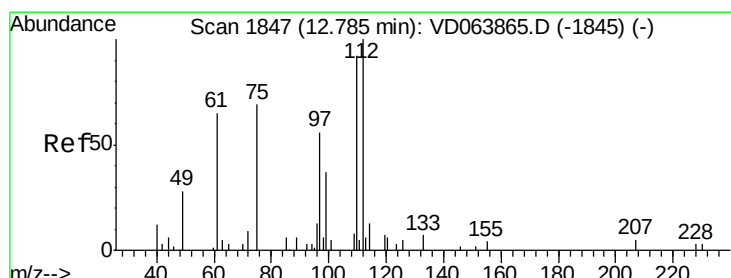
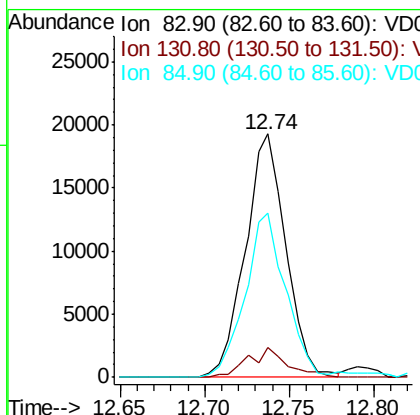
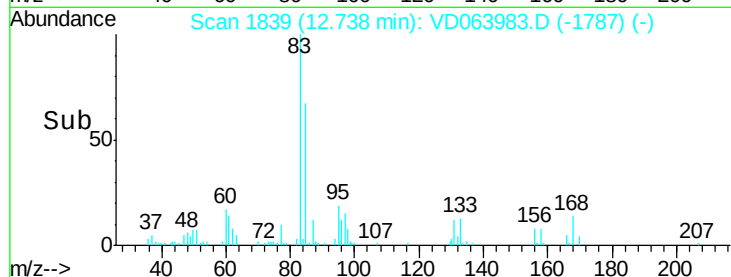
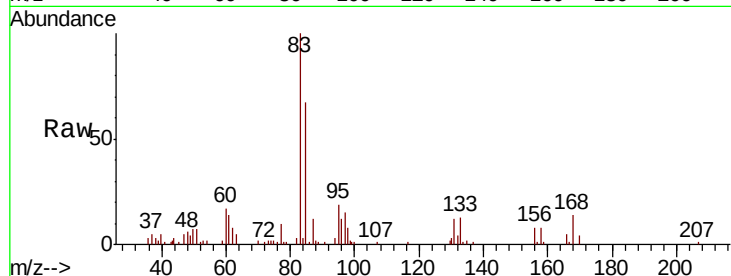
ClientSampleId :

VD1016SBS01

Tot Ion:	83	Resp:	32223
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.6	16.8
85	67.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 29.859 ug/l m

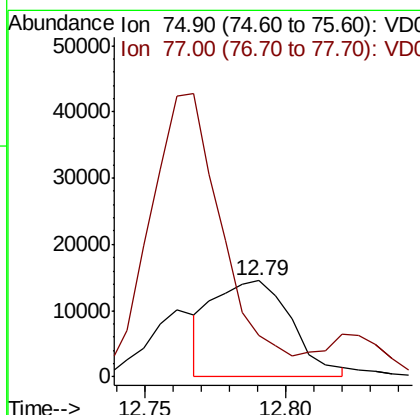
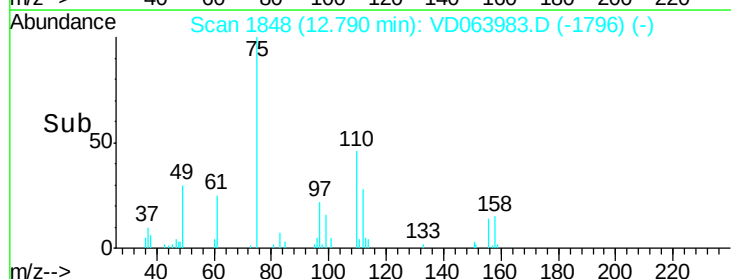
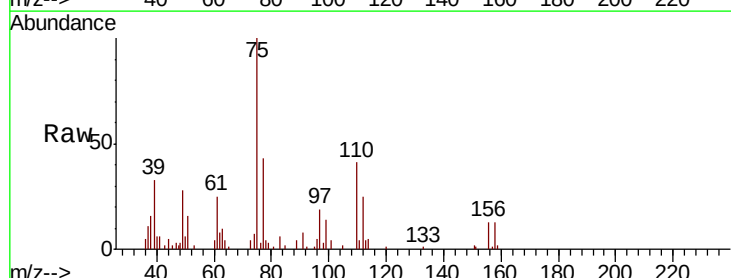
RT: 12.79 min Scan# 1848

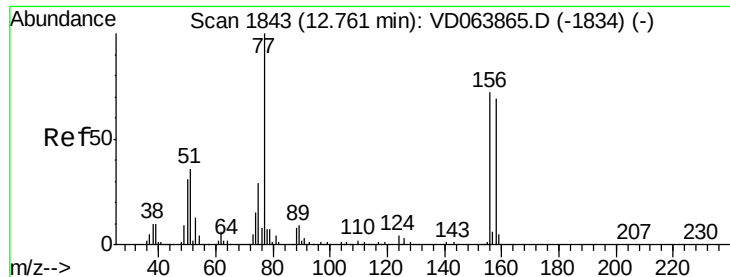
Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Tgt Ion:	75	Resp:	28229
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





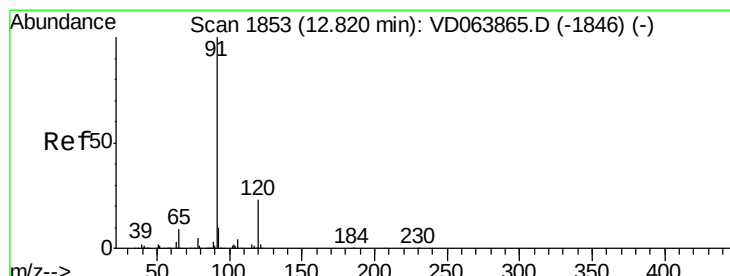
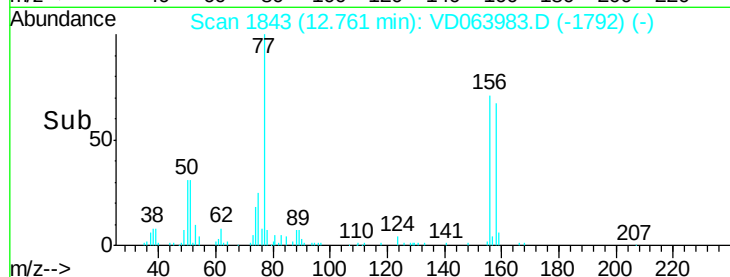
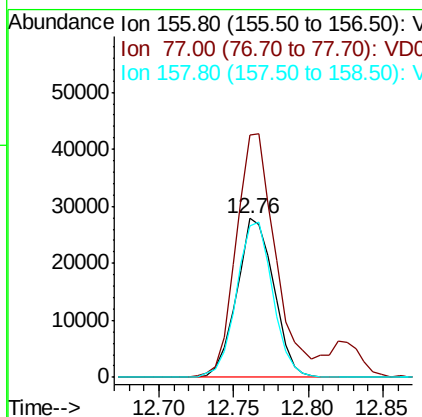
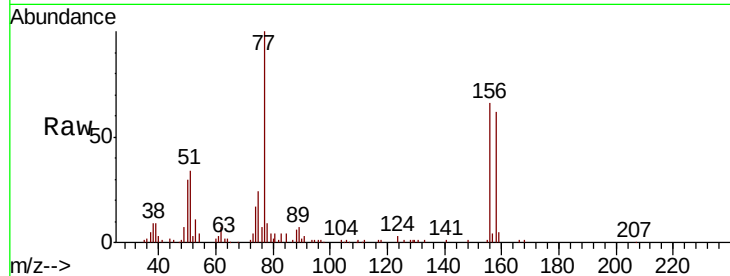
#77
Bromobenzene
Concen: 20.325 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.3	80.3	241.0
158	95.4	47.4	142.2

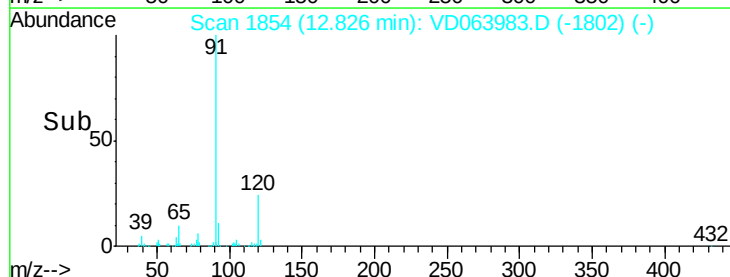
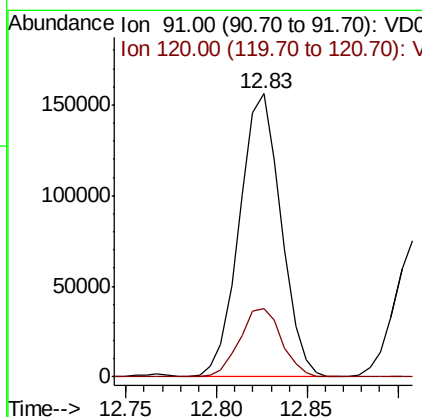
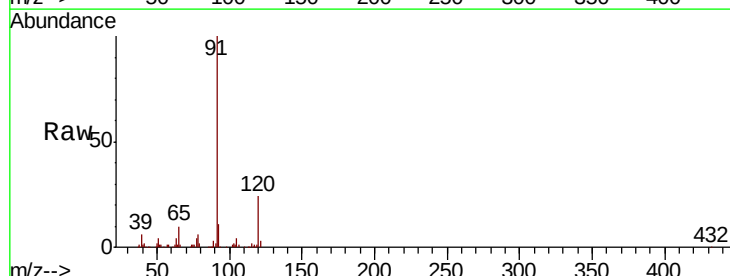
Manual Integrations
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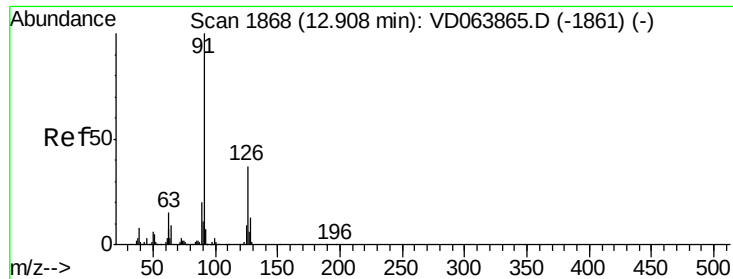
MMDadoda
10/18/2019 12:49:49 AM



#78
n-propylbenzene
Concen: 22.251 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 21.304 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBSD01

Tot Ion: 91 Resp: 130840

Ion Ratio Lower Upper

91 100

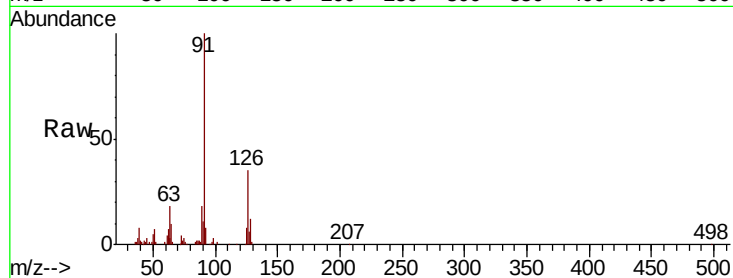
126 37.3 18.4 55.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD063865.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD063865.D (-1861) (-)

150000

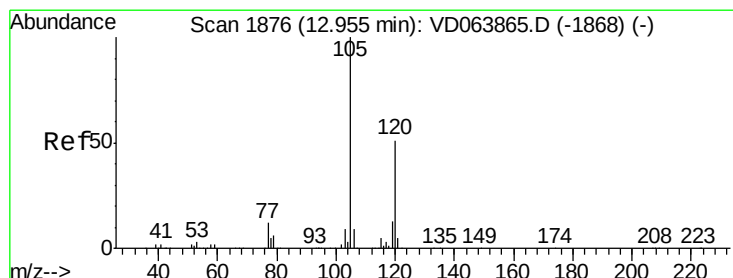
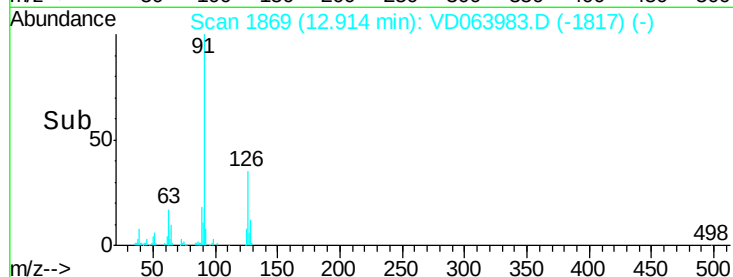
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.905 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063983.D

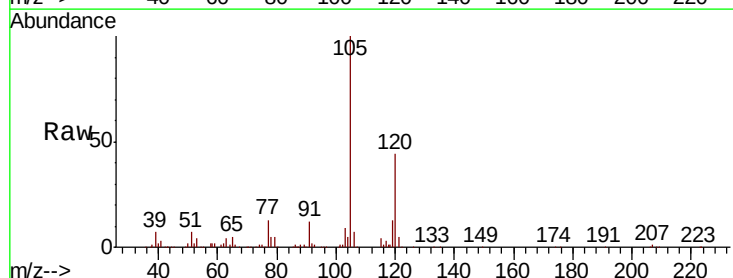
Acq: 16 Oct 2019 13:14

Tgt Ion:105 Resp: 173415

Ion Ratio Lower Upper

105 100

120 48.2 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): VD063865.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD063865.D (-1868) (-)

120000

100000

80000

60000

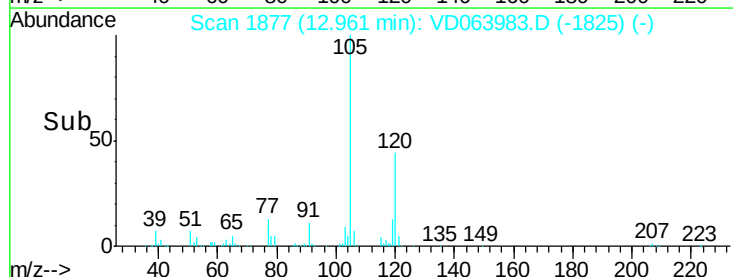
40000

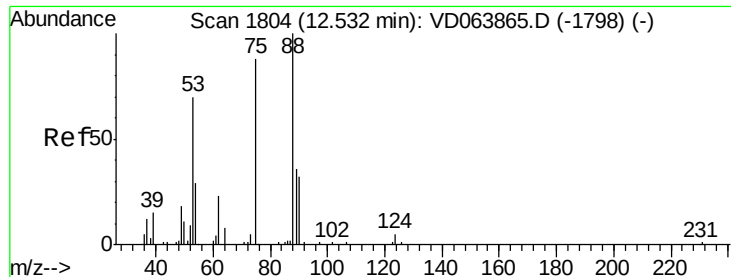
20000

0

12.90 12.95 13.00 13.05

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.883 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 75 Resp: 10088

Ion Ratio Lower Upper

75 100

53 88.4 75.0 112.6

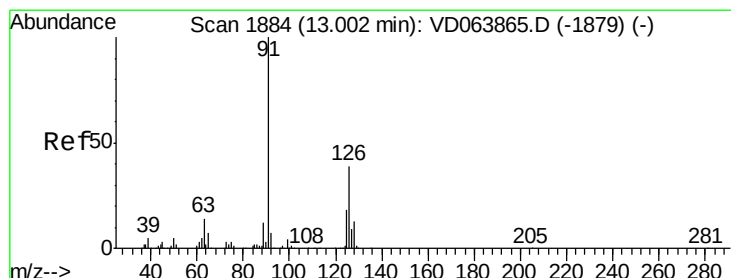
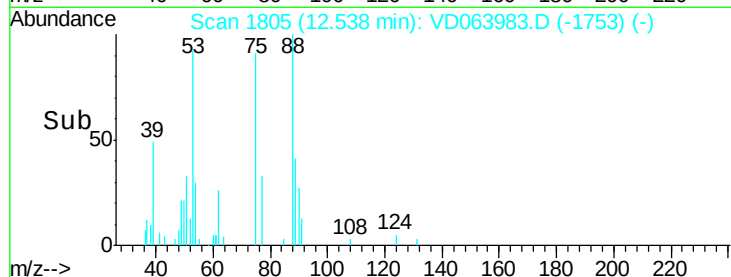
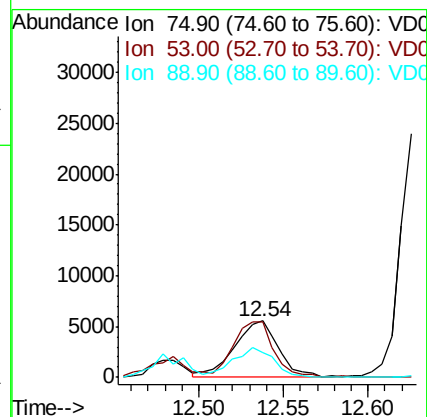
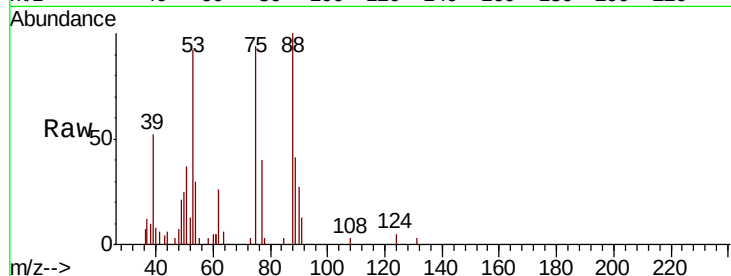
89 48.8 38.2 57.4

Manual Integrations

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MMDadoda

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#82

4-Chlorotoluene

Concen: 21.438 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD063983.D

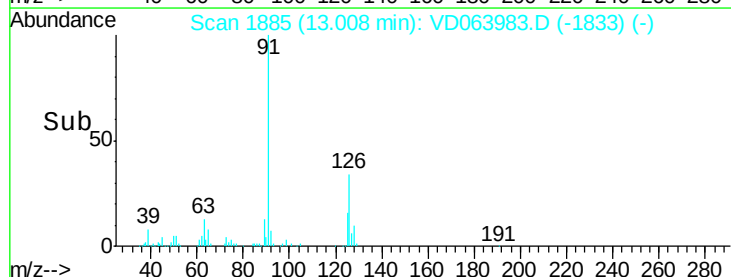
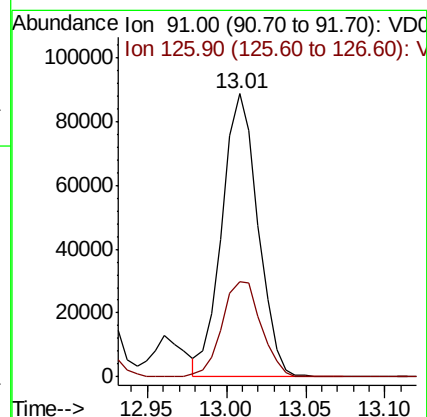
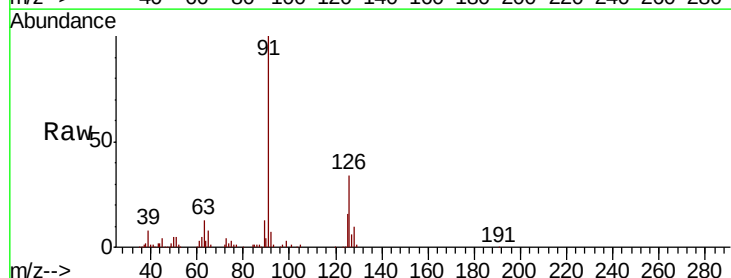
Acq: 16 Oct 2019 13:14

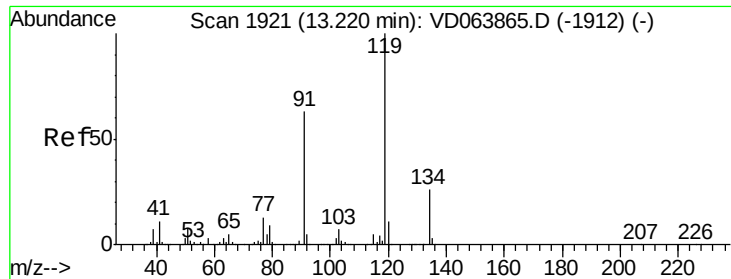
Tgt Ion: 91 Resp: 139669

Ion Ratio Lower Upper

91 100

126 36.8 18.6 55.8





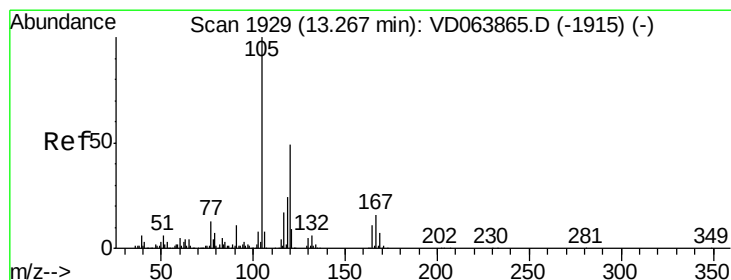
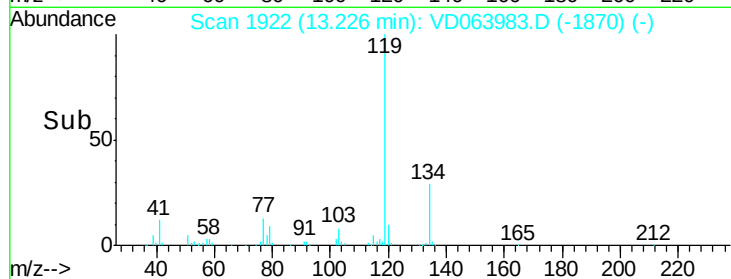
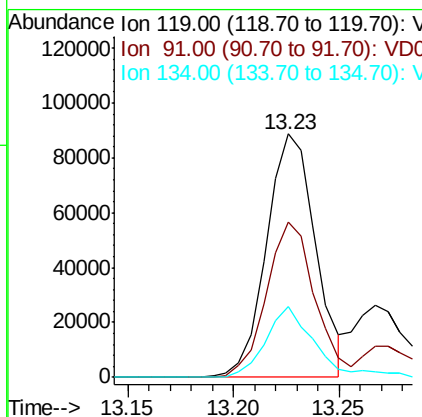
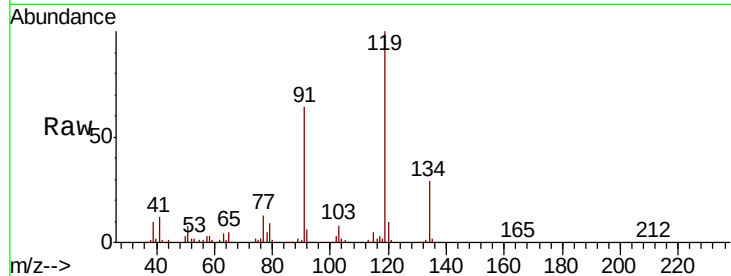
#83
 tert-Butylbenzene
 Concen: 20.326 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	30.0	90.0
134	29.3	13.0	38.9

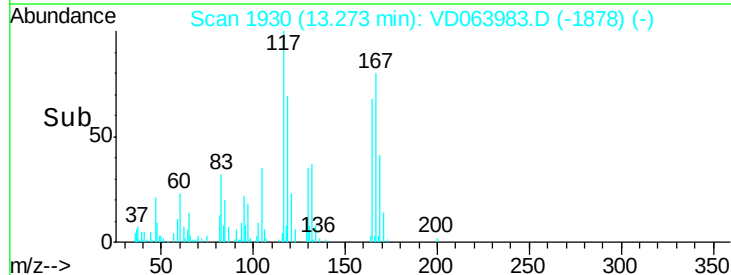
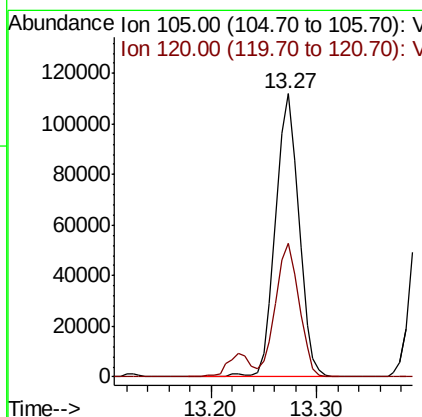
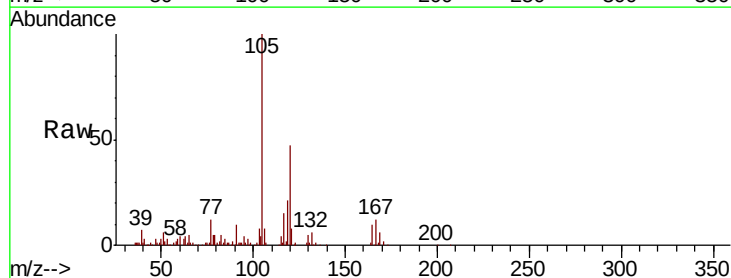
Manual Integrations
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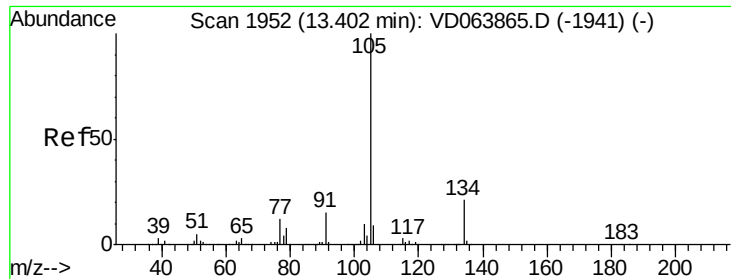
MMDadoda
 10/18/2019 12:49:49 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.928 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5





#85

sec-Butylbenzene

Concen: 22.294 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion:105 Resp: 212126

Ion Ratio Lower Upper

105 100

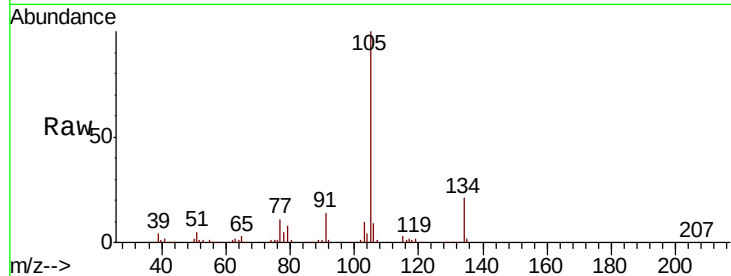
134 21.5 10.6 31.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

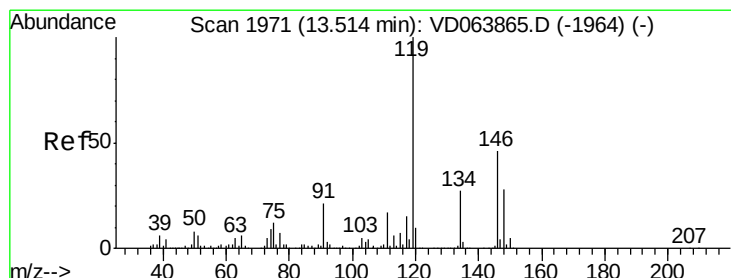
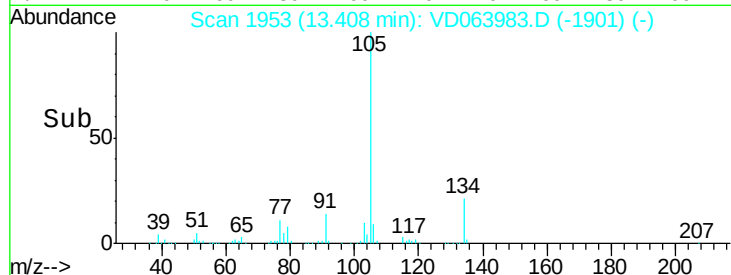
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.101 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

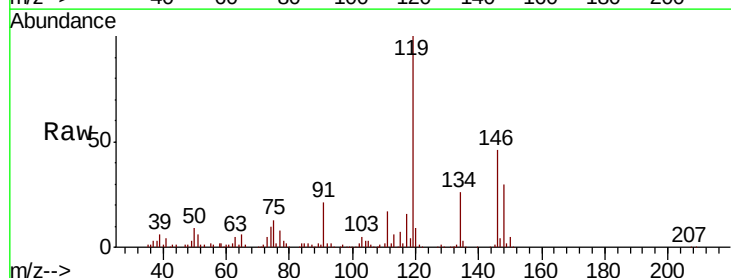
Tgt Ion:119 Resp: 198983

Ion Ratio Lower Upper

119 100

134 26.5 13.9 41.6

91 21.4 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

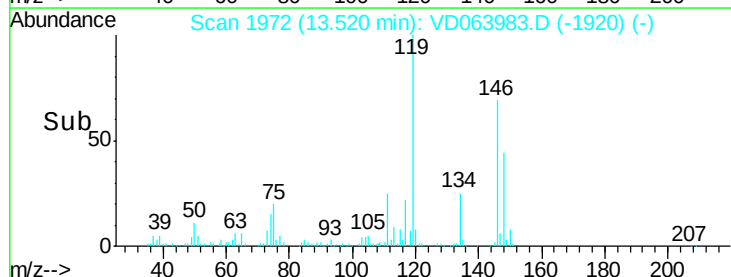
150000

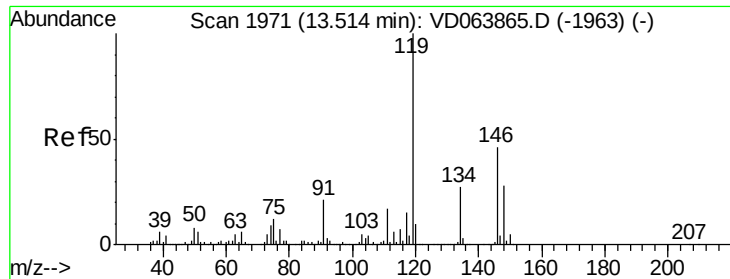
100000

50000

0

Time-->





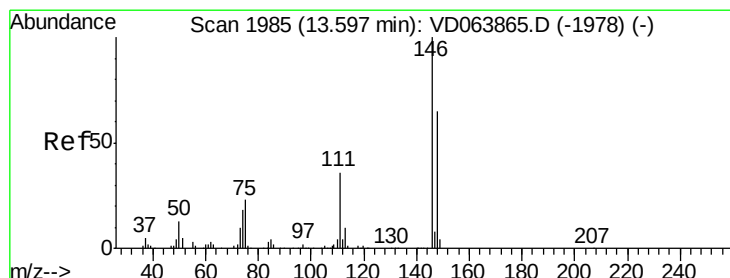
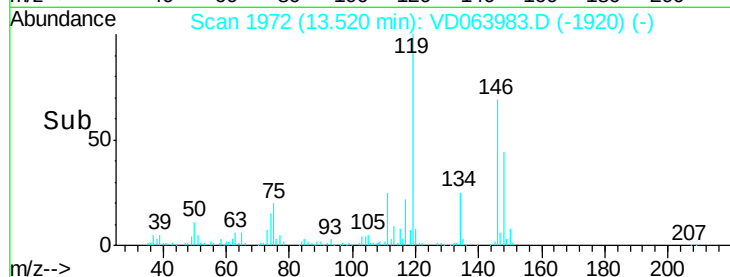
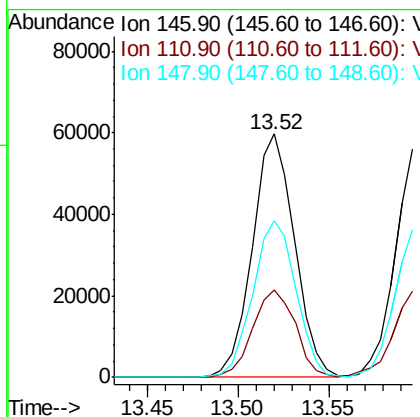
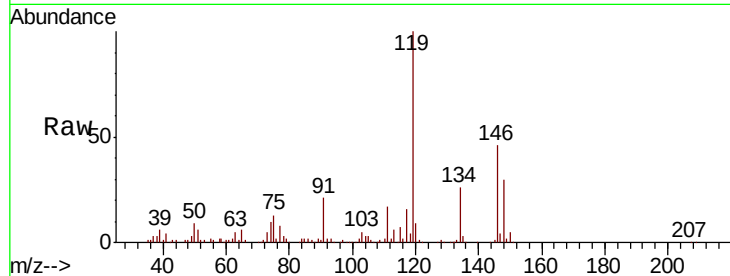
#87
 1,3-Dichlorobenzene
 Concen: 20.660 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.3	54.9
148	65.8	31.8	95.4

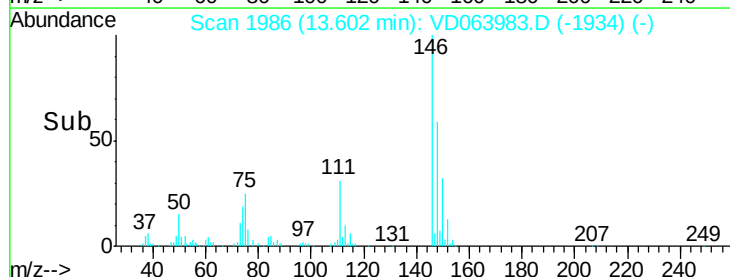
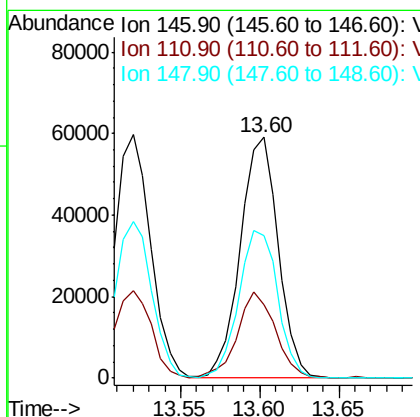
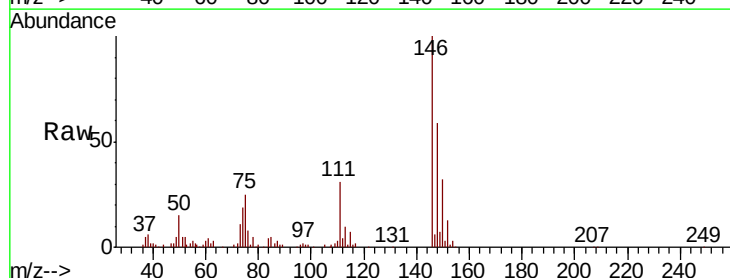
Manual Integrations
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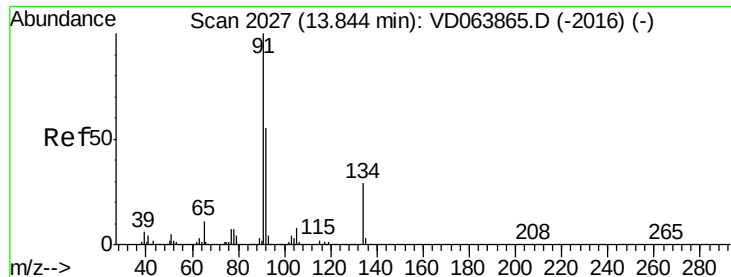
MMDadoda
 10/18/2019 12:49:49 AM



#88
 1,4-Dichlorobenzene
 Concen: 21.329 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.6	56.0
148	62.7	32.6	98.0





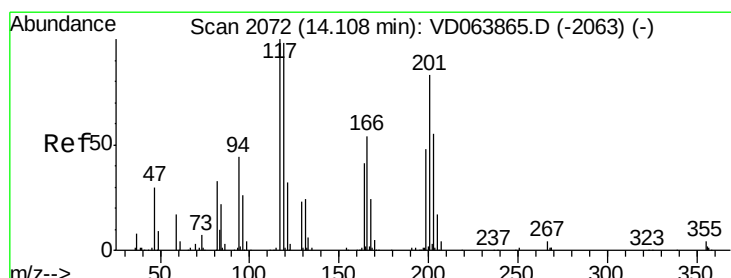
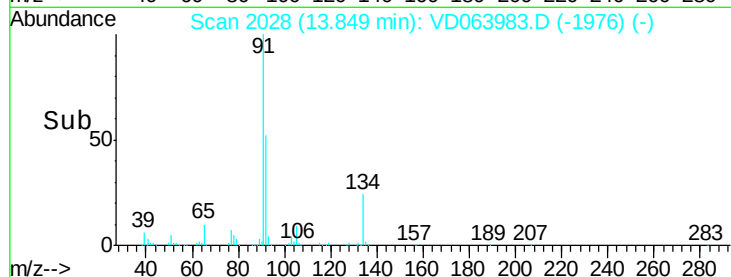
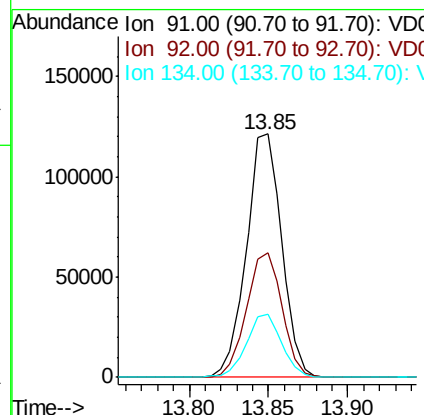
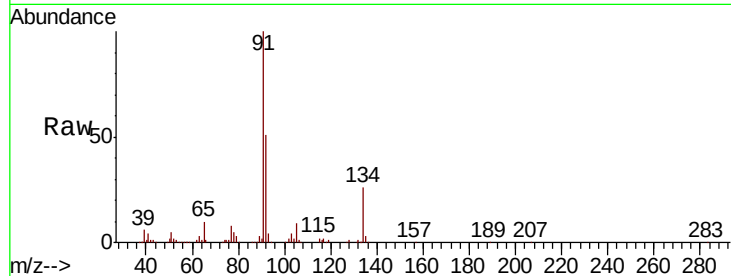
#89
n-Butylbenzene
Concen: 22.454 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	188181		
92	51.5	26.8	80.3	
134	25.7	14.4	43.0	

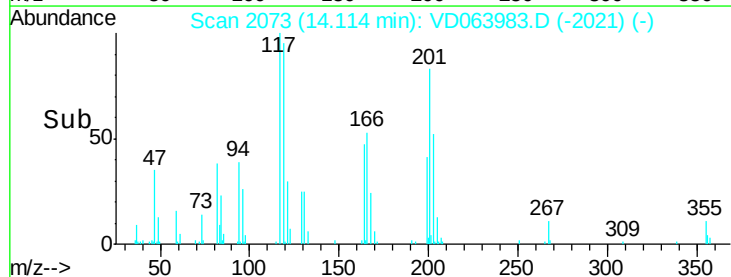
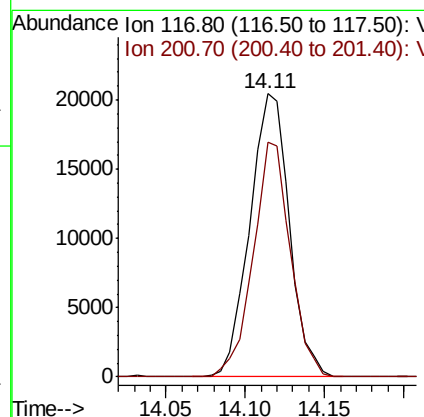
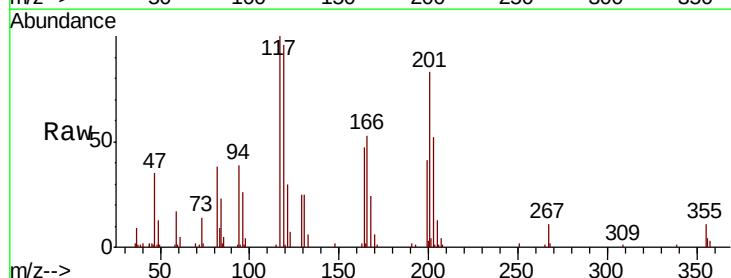
Manual Integrations
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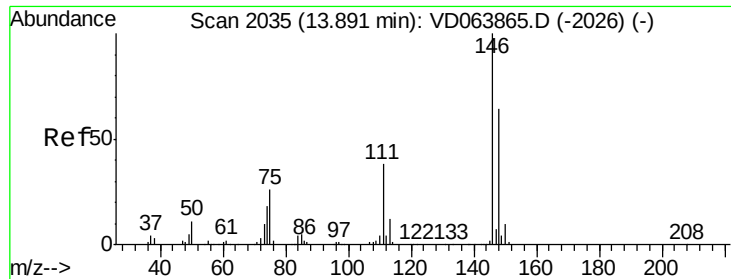
MMDadoda
10/18/2019 12:49:49 AM



#90
Hexachloroethane
Concen: 21.938 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063983.D
Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35524		
201	77.8	40.6	121.7	





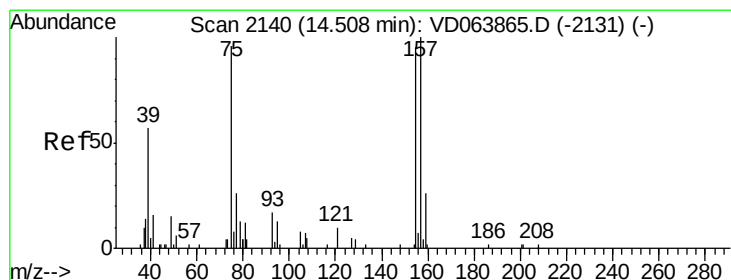
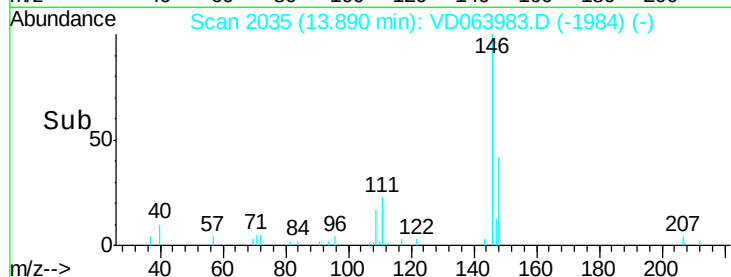
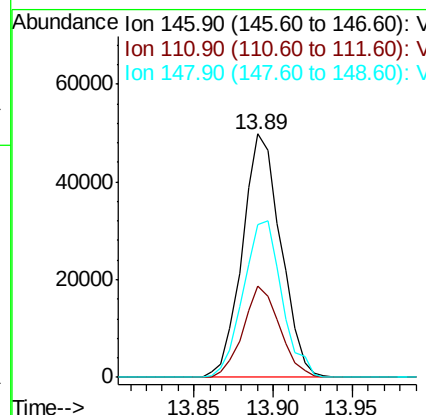
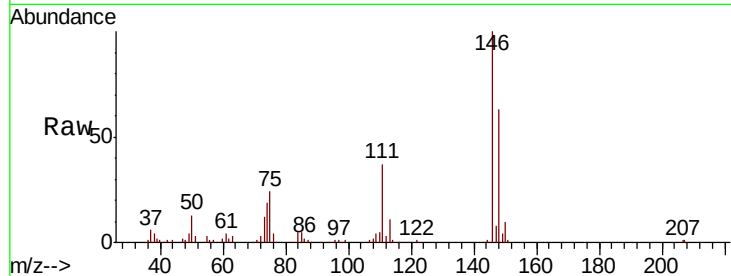
#91
 1,2-Dichlorobenzene
 Concen: 20.837 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.6	55.6
148	64.7	31.6	95.0

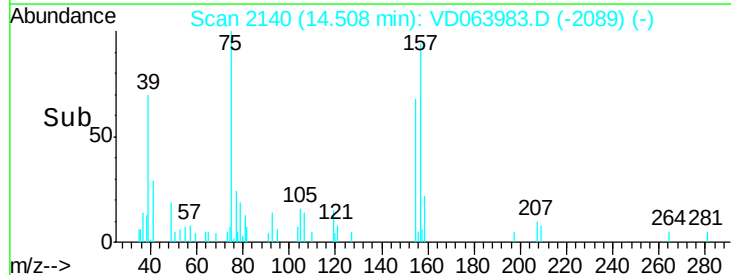
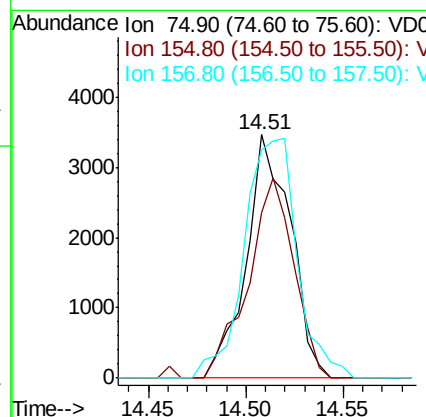
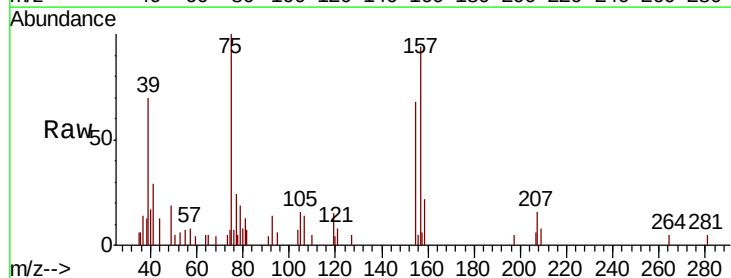
Manual Integrations
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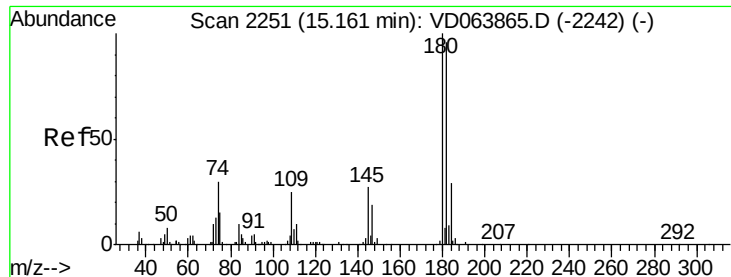
MMDadoda
 10/18/2019 12:49:49 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.761 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.9	43.9	131.6
157	117.7	56.0	167.9





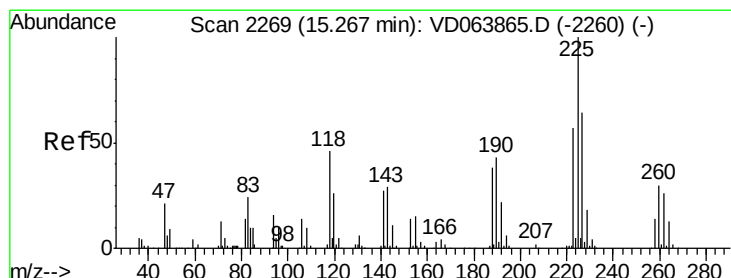
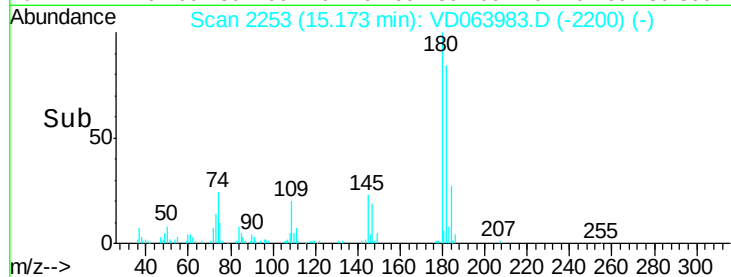
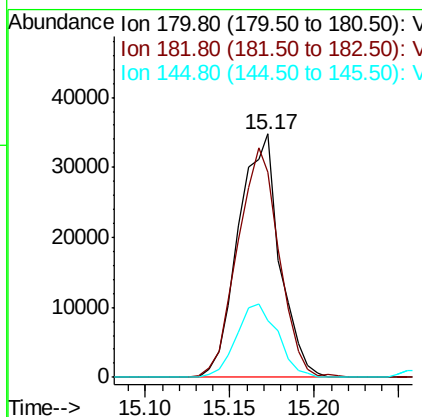
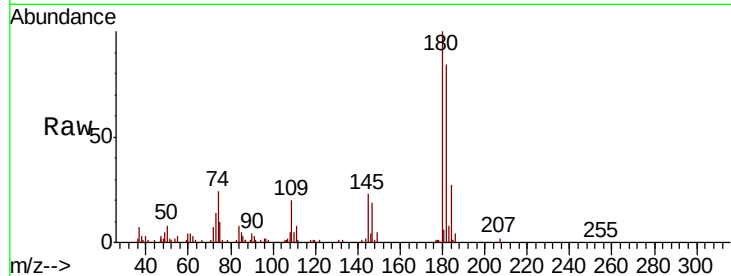
#93
 1,2,4-Trichlorobenzene
 Concen: 18.986 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	30.4	13.9	41.7

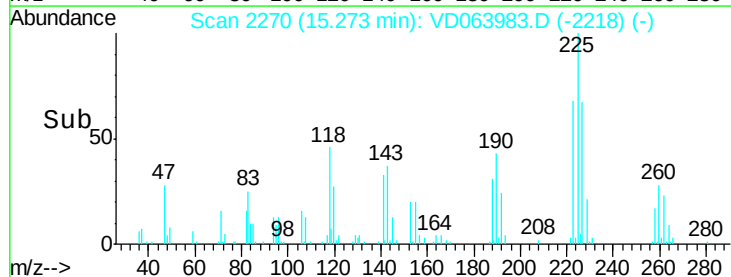
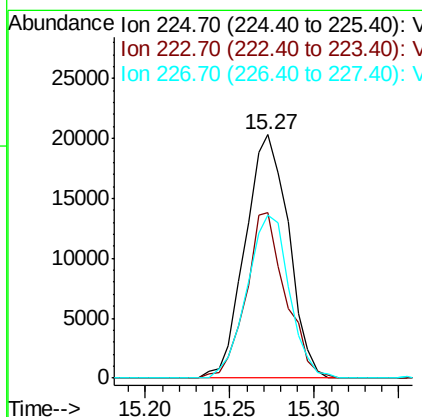
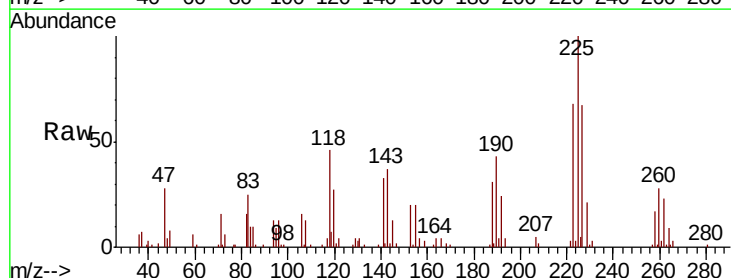
Manual Integrations
 APPROVED

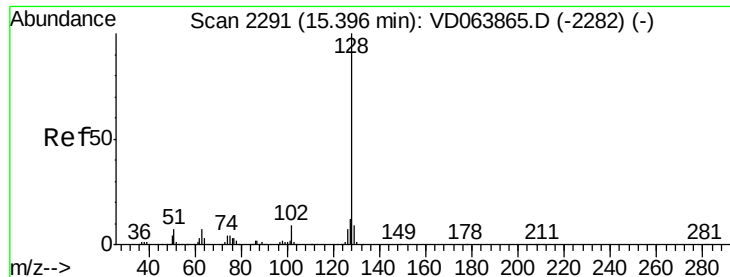
MMDadoda
 10/18/2019 12:49:49 AM



#94
 Hexachlorobutadiene
 Concen: 21.141 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063983.D
 Acq: 16 Oct 2019 13:14

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	29.5	88.6
227	65.7	30.8	92.4





#95

Naphthalene

Concen: 18.868 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.01 min

Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Instrument :

MSVOA_D

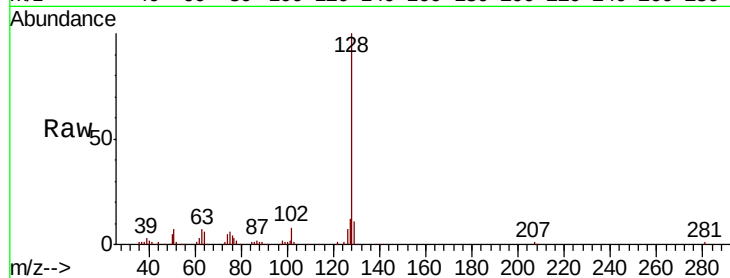
ClientSampleId :

VD1016SBSD01

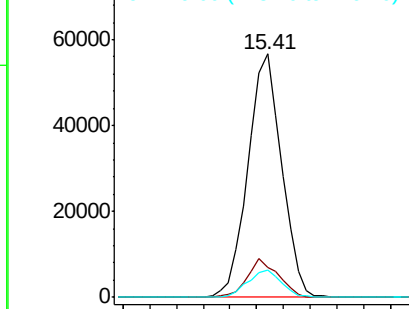
Tot Ion:	128	Resp:	98508
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.6	16.0
129	11.3	8.6	13.0

Manual Integrations
APPROVED

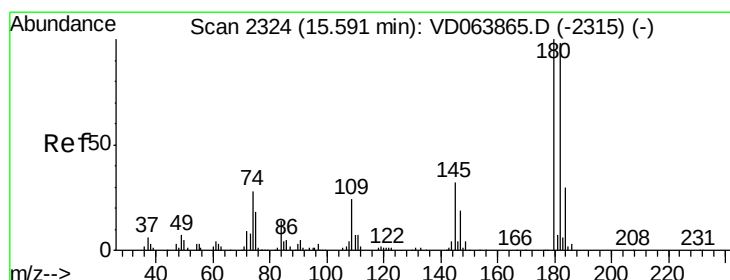
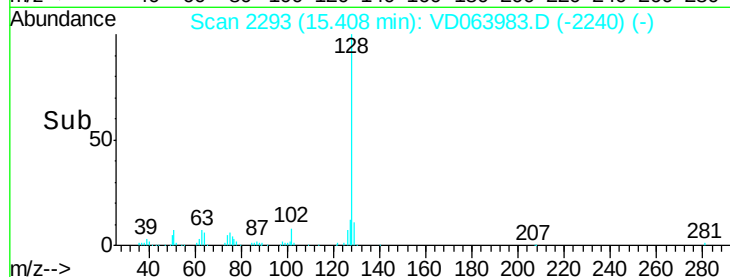
MMDadoda
10/18/2019 12:49:49 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time--> 15.30 15.40



#96

1,2,3-Trichlorobenzene

Concen: 19.481 ug/l

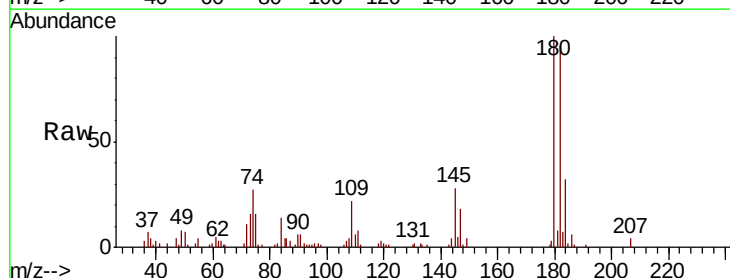
RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

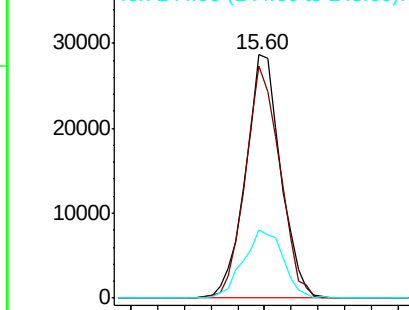
Lab File: VD063983.D

Acq: 16 Oct 2019 13:14

Tgt Ion:	180	Resp:	52209
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.0	141.0
145	31.9	15.3	45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time--> 15.50 15.60

