

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064064.D
 Acq On : 25 Oct 2019 14:40
 Operator : VA/SY
 Sample : VD1025SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/28/2019 12:39:27 PM

Quant Time: Oct 26 00:35:29 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	144380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	225910	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	225487	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	126741	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	67700	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	7.91	113	69912	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
50) Toluene-d8	10.34	98	292166	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
62) 4-Bromofluorobenzene	12.64	95	98233	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	21127	20.634	ug/l	89
3) Chloromethane	2.21	50	65897	21.312	ug/l	94
4) Vinyl Chloride	2.35	62	79950	24.159	ug/l	100
5) Bromomethane	2.76	94	53197	25.004	ug/l	98
6) Chloroethane	2.92	64	50366	23.013	ug/l	95
7) Trichlorofluoromethane	3.27	101	111526	25.489	ug/l	90
8) Diethyl Ether	3.71	74	12940	18.426	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	27242	22.493	ug/l	92
10) Methyl Iodide	4.30	142	30095	18.033	ug/l	98
11) Tert butyl alcohol	5.23	59	8990m	86.826	ug/l	
12) 1,1-Dichloroethene	4.06	96	24528	20.271	ug/l	86
13) Acrolein	3.93	56	9302	74.094	ug/l	99
14) Allyl chloride	4.71	41	42262	21.008	ug/l	97
15) Acrylonitrile	5.43	53	34143	110.272	ug/l	98
16) Acetone	4.16	43	32590	89.052	ug/l	99
17) Carbon Disulfide	4.40	76	79208	18.008	ug/l	96
18) Methyl Acetate	4.72	43	17896	25.002	ug/l	93
19) Methyl tert-butyl Ether	5.49	73	58557	18.688	ug/l	96
20) Methylene Chloride	4.97	84	38193	21.824	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	30781	20.434	ug/l	86
22) Diisopropyl ether	6.37	45	90175	21.948	ug/l	90
23) Vinyl Acetate	6.31	43	257989	105.553	ug/l	95
24) 1,1-Dichloroethane	6.26	63	56899	22.483	ug/l	96
25) 2-Butanone	7.23	43	45126	104.046	ug/l	97
26) 2,2-Dichloropropane	7.21	77	45246	19.764	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	34814	20.419	ug/l	98
28) Bromochloromethane	7.55	49	19071	20.946	ug/l	92
29) Tetrahydrofuran	7.57	42	26312	103.939	ug/l	96
30) Chloroform	7.71	83	58142	21.153	ug/l	92
31) Cyclohexane	7.98	56	52058	22.701	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	51227	21.726	ug/l	95
36) 1,1-Dichloropropene	8.11	75	47192	22.847	ug/l	96
37) Ethyl Acetate	7.30	43	18812	20.348	ug/l	95
38) Carbon Tetrachloride	8.10	117	43825	20.996	ug/l	92

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Manual Integrations
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Quant Time: Oct 26 00:35:29 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)
39) Methylcyclohexane	9.36	83	55470	21.841	ug/l	98
40) Benzene	8.36	78	131161	22.158	ug/l	99
41) Methacrylonitrile	7.53	41	11304	23.605	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	37284	21.775	ug/l	100
43) Isopropyl Acetate	8.46	43	36458	21.047	ug/l	96
44) Trichloroethene	9.11	130	38475	22.541	ug/l	95
45) 1,2-Dichloropropane	9.39	63	32634	22.524	ug/l	98
46) Dibromomethane	9.48	93	18468	22.382	ug/l	95
47) Bromodichloromethane	9.67	83	44118	20.767	ug/l	95
48) Methyl methacrylate	9.46	41	15476	18.646	ug/l	94
49) 1,4-Dioxane	9.47	88	4532	402.383	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	94806	105.530	ug/l	97
52) Toluene	10.41	92	91246	22.455	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	43402	20.937	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	50268	21.066	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	26314	22.586	ug/l	95
56) Ethyl methacrylate	10.67	69	29350	19.894	ug/l	98
57) 1,3-Dichloropropane	10.95	76	44494	22.321	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.95	63	66063	104.173	ug/l	98
59) 2-Hexanone	10.99	43	68153	104.873	ug/l	96
60) Dibromochloromethane	11.14	129	32143	21.192	ug/l	100
61) 1,2-Dibromoethane	11.25	107	26287	23.274	ug/l	94
64) Tetrachloroethene	10.88	164	33485	21.753	ug/l	96
65) Chlorobenzene	11.67	112	101896	22.502	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	34748	20.825	ug/l	95
67) Ethyl Benzene	11.75	91	178454	21.855	ug/l	98
68) m/p-Xylenes	11.86	106	141909	45.026	ug/l	98
69) o-Xylene	12.18	106	64982	21.532	ug/l	98
70) Styrene	12.20	104	110810	21.690	ug/l	98
71) Bromoform	12.36	173	19679	21.976	ug/l #	99
73) Isopropylbenzene	12.48	105	176946	20.768	ug/l	99
74) N-amyl acetate	12.29	43	33875	18.466	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	31877	21.500	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	22192m	26.143	ug/l	
77) Bromobenzene	12.76	156	43165	20.335	ug/l	97
78) n-propylbenzene	12.83	91	219563	21.954	ug/l	99
79) 2-Chlorotoluene	12.91	91	116406	21.109	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	154083	21.677	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	9050	18.866	ug/l	91
82) 4-Chlorotoluene	13.01	91	125680	21.485	ug/l	99
83) tert-Butylbenzene	13.23	119	129324	20.443	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	149881	20.453	ug/l	99
85) sec-Butylbenzene	13.41	105	187627	21.962	ug/l	100
86) p-Isopropyltoluene	13.52	119	169424	20.958	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	87789	20.931	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	88322	21.345	ug/l	98
89) n-Butylbenzene	13.85	91	164643	21.880	ug/l	98
90) Hexachloroethane	14.11	117	30970	21.300	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	76630	21.200	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4311	17.097	ug/l	79

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

Manual Integrations
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Quant Time: Oct 26 00:35:29 2019
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	54409	19.508	ug/l	99
94) Hexachlorobutadiene	15.27	225	30709	19.953	ug/l	94
95) Naphthalene	15.40	128	90207	19.243	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	47620	19.789	ug/l	96

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

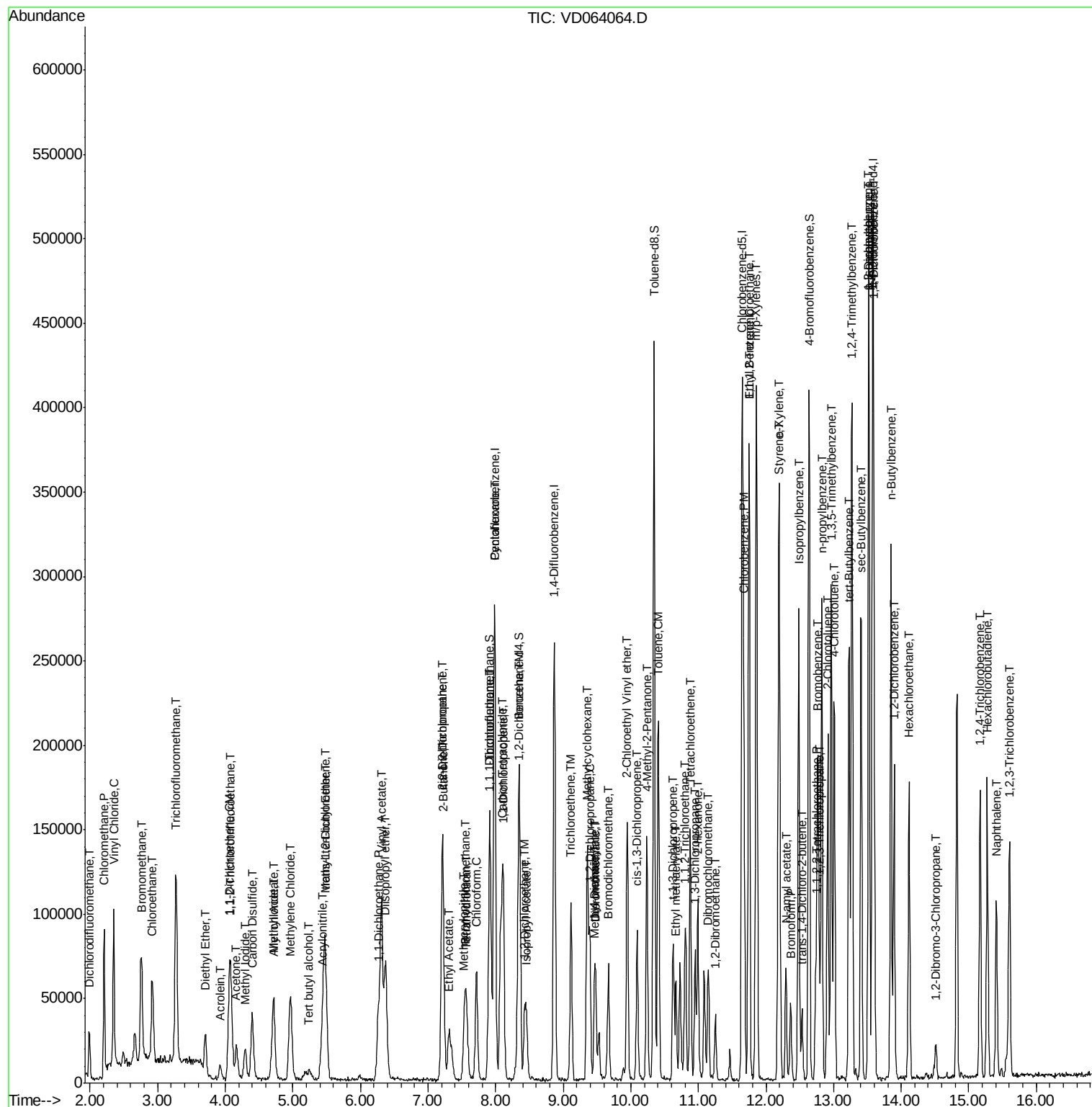
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102519\
 Data File : VD064064.D
 Acq On : 25 Oct 2019 14:40
 Operator : VA/SY
 Sample : VD1025SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

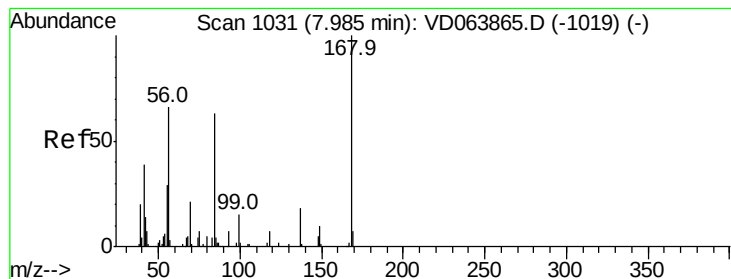
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBSD01

Manual Integrations
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 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion:168 Resp: 144380

Ion Ratio Lower Upper

168 100

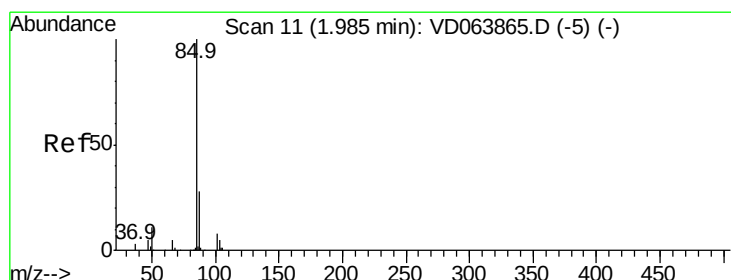
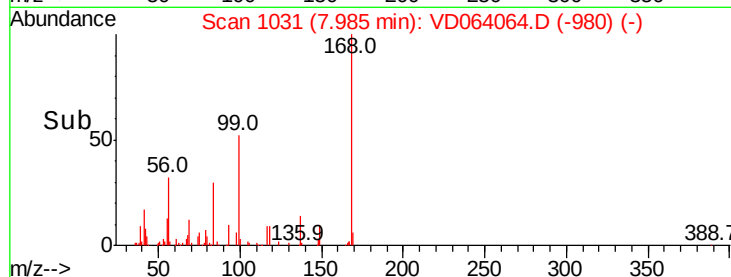
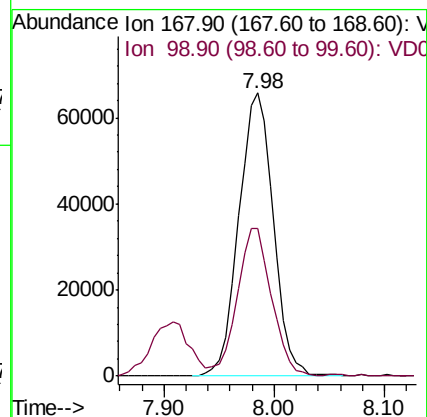
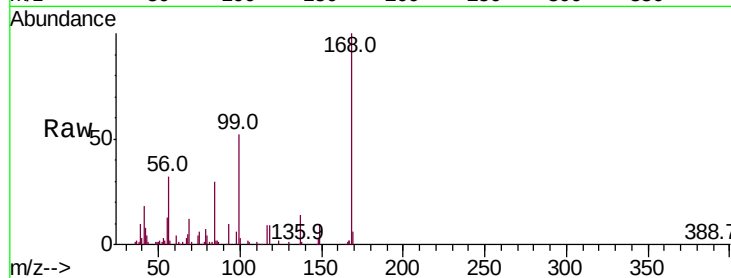
99 51.8 43.0 64.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.634 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD064064.D

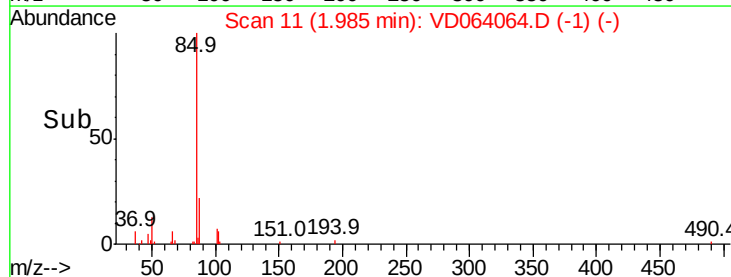
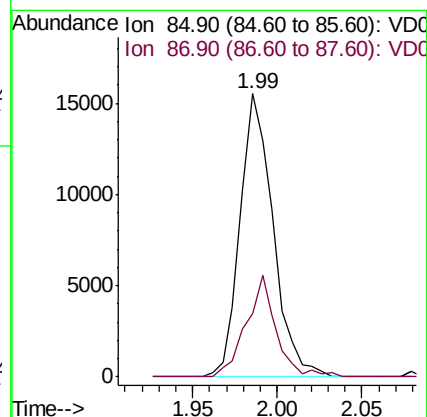
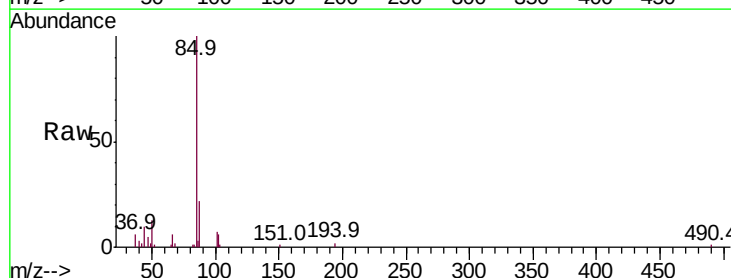
Acq: 25 Oct 2019 14:40

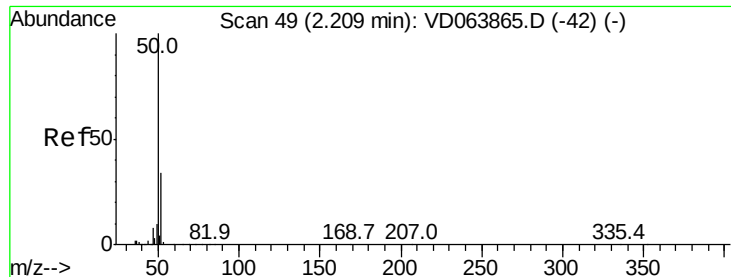
Tgt Ion: 85 Resp: 21127

Ion Ratio Lower Upper

85 100

87 22.1 14.0 42.0





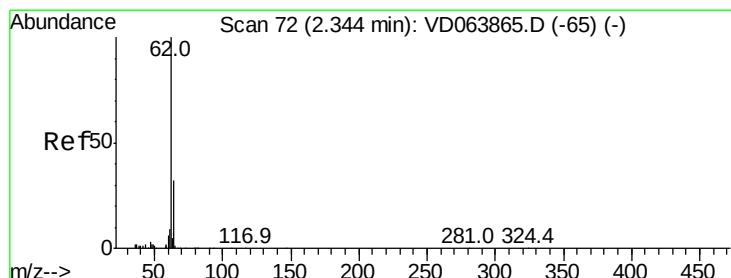
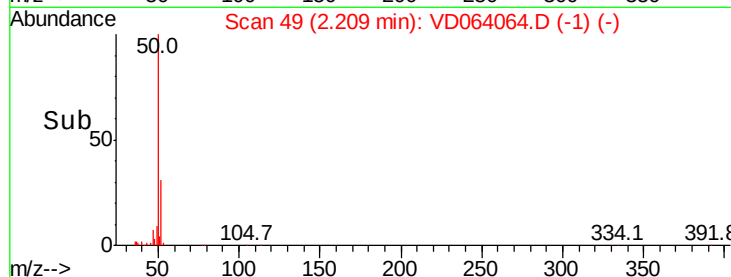
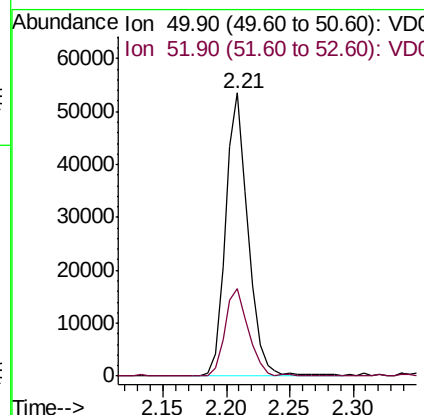
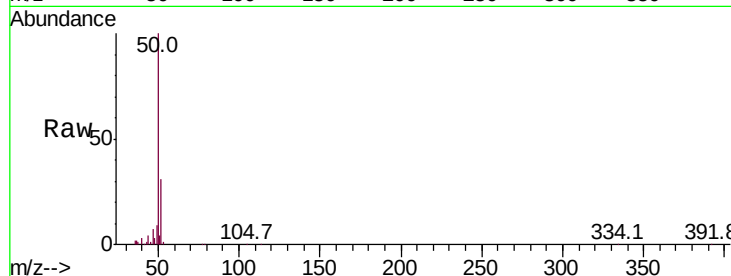
#3
Chloromethane
Concen: 21.312 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion: 50 Resp: 65897
Ion Ratio Lower Upper
50 100
52 31.1 27.5 41.3

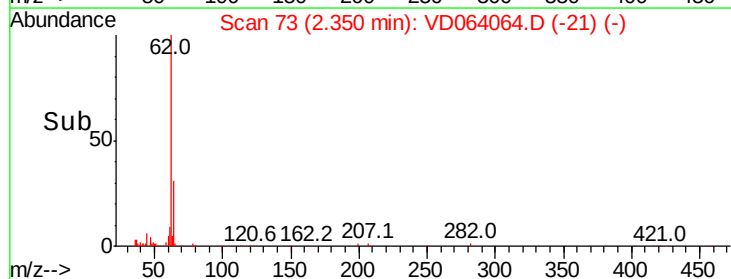
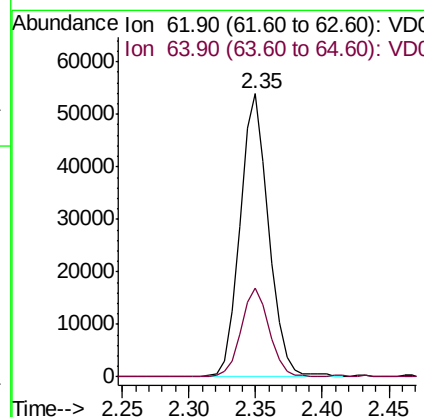
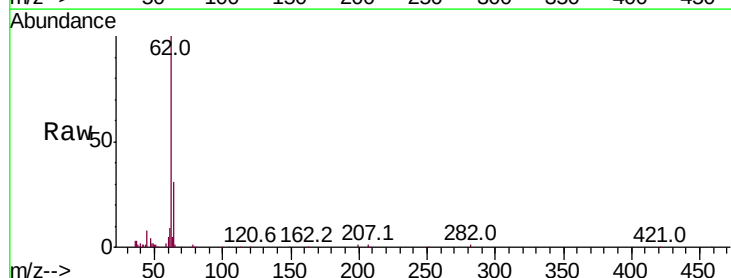
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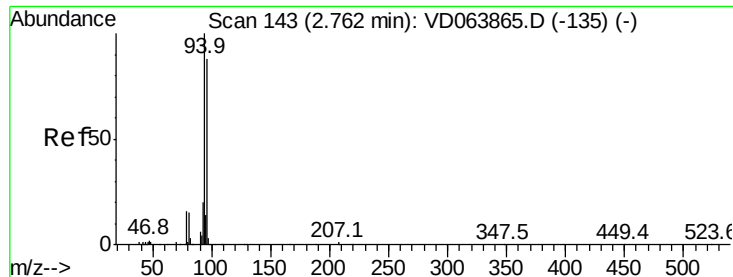
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#4
Vinyl Chloride
Concen: 24.159 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion: 62 Resp: 79950
Ion Ratio Lower Upper
62 100
64 31.5 25.4 38.0





#5

Bromomethane

Concen: 25.004 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBSD01

Tot Ion: 94 Resp: 53197

Ion Ratio Lower Upper

94 100

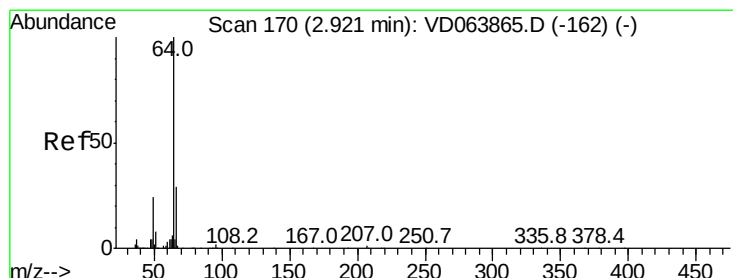
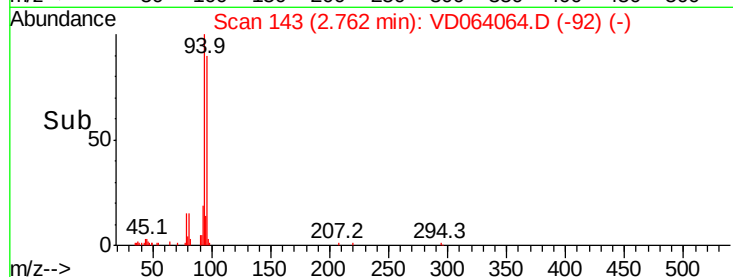
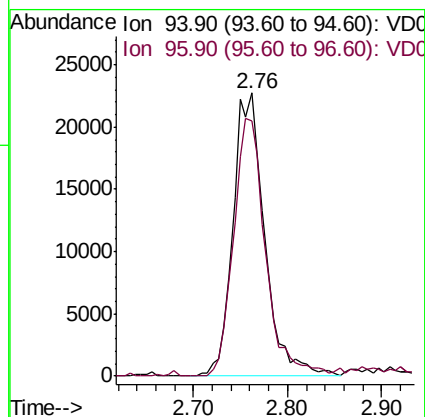
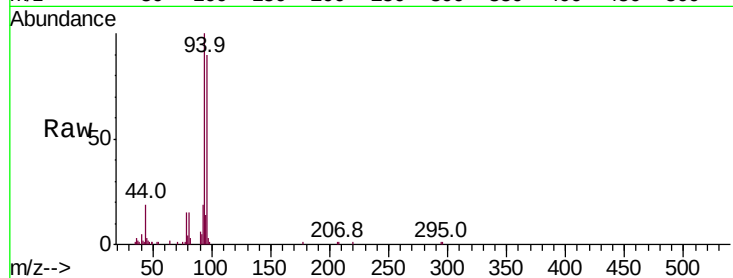
96 90.0 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 23.013 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064064.D

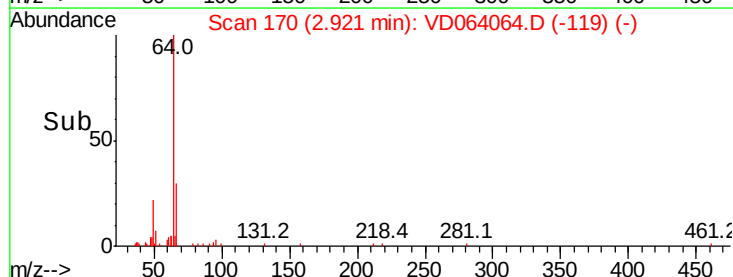
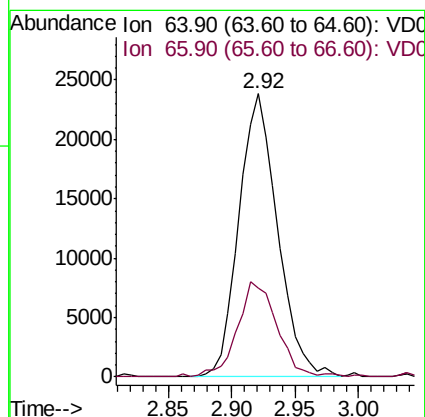
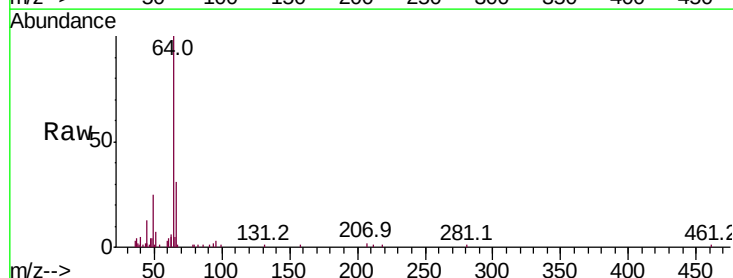
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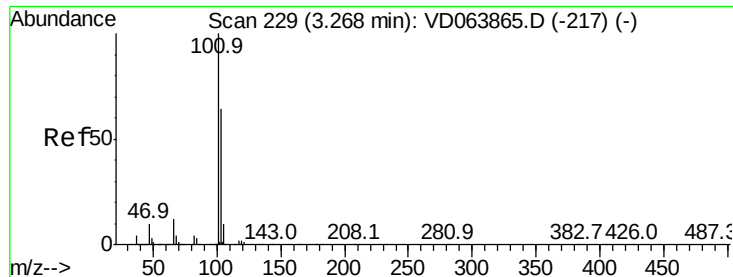
Tgt Ion: 64 Resp: 50366

Ion Ratio Lower Upper

64 100

66 31.4 23.0 34.4





#7

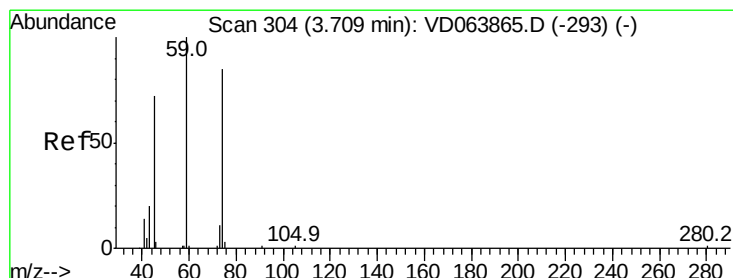
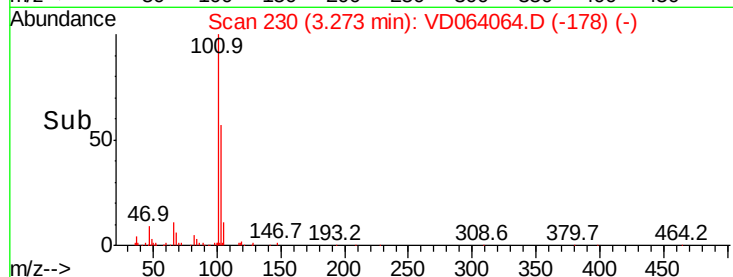
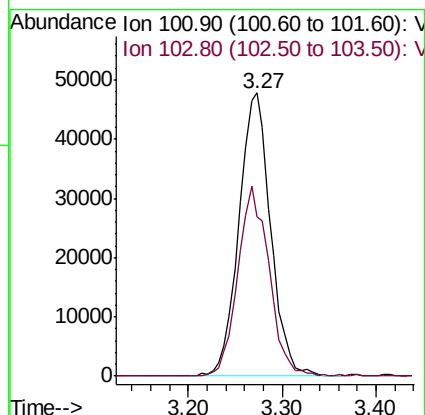
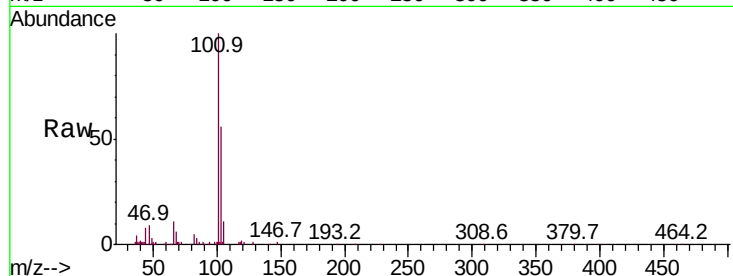
Trichlorofluoromethane
Concen: 25.489 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.2	51.1	76.7

Manual Integrations
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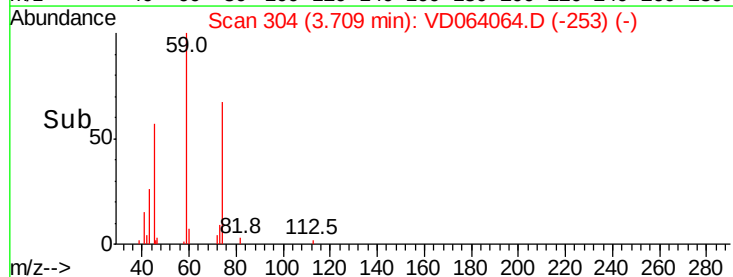
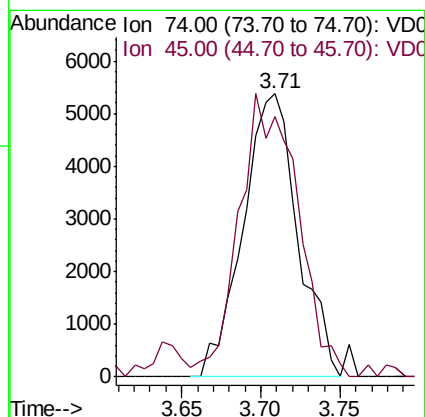
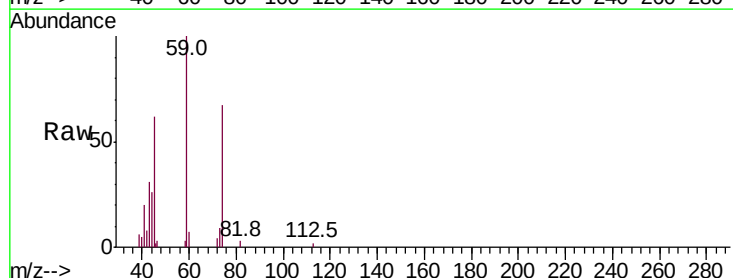
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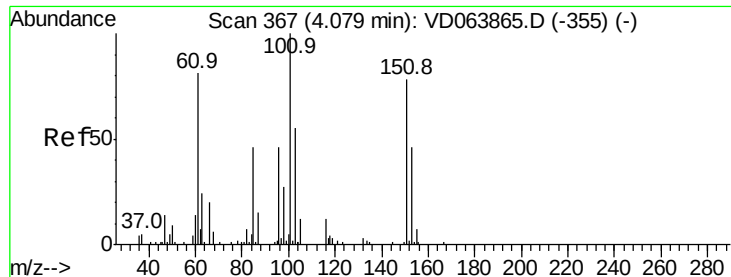


#8

Diethyl Ether
Concen: 18.426 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.6	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.493 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

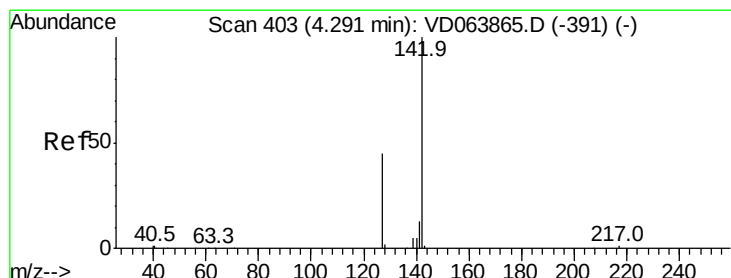
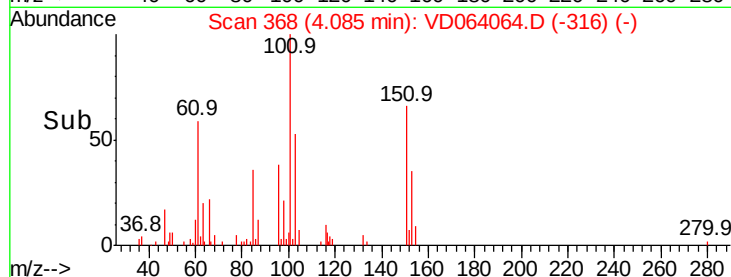
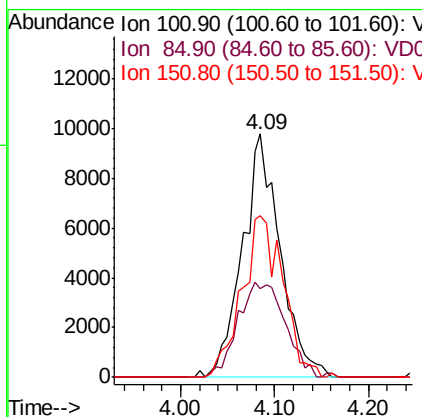
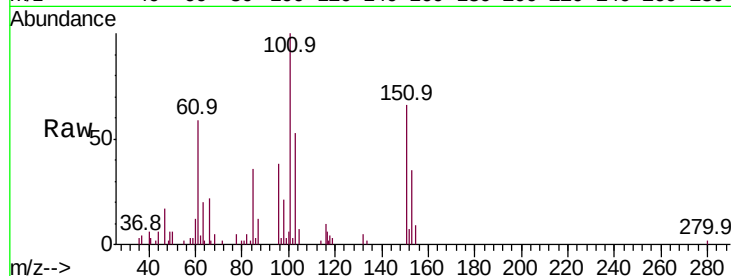
ClientSampleId :

VD1025SBS01

Tot Ion:	101	Resp:	27242
Ion Ratio	Lower	Upper	
101	100		
85	48.6	37.5	56.3
151	72.1	65.5	98.3

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#10

Methyl Iodide

Concen: 18.033 ug/l

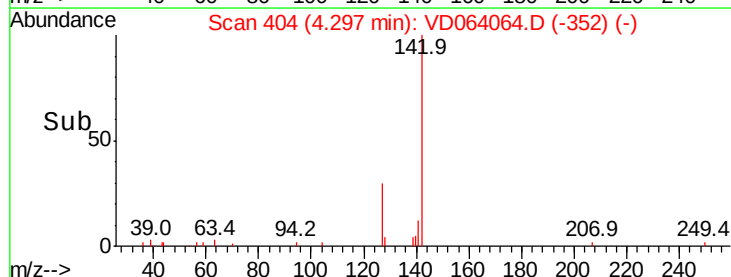
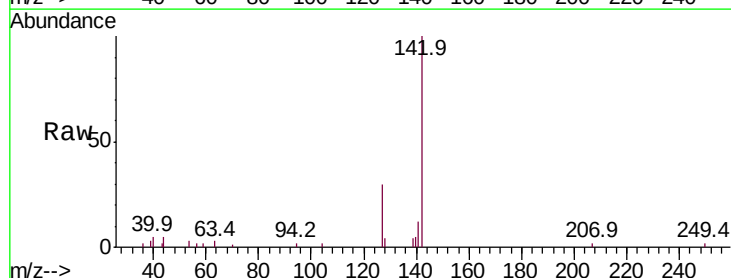
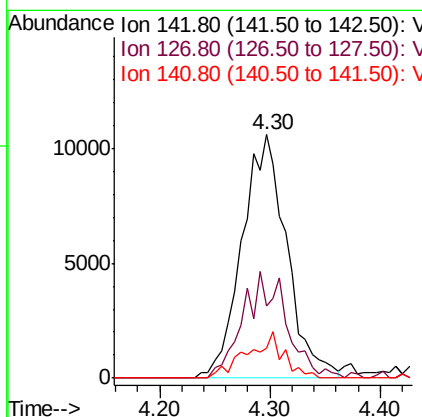
RT: 4.30 min Scan# 404

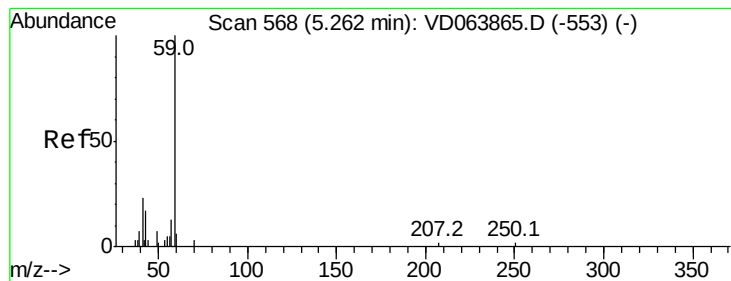
Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Tgt Ion:	142	Resp:	30095
Ion Ratio	Lower	Upper	
142	100		
127	42.1	35.3	52.9
141	15.1	12.2	18.2





#11

Tert butyl alcohol

Concen: 86.826 ug/l m

RT: 5.23 min Scan# 563

Delta R.T. -0.03 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 59 Resp: 8990

Ion Ratio Lower Upper

59 100

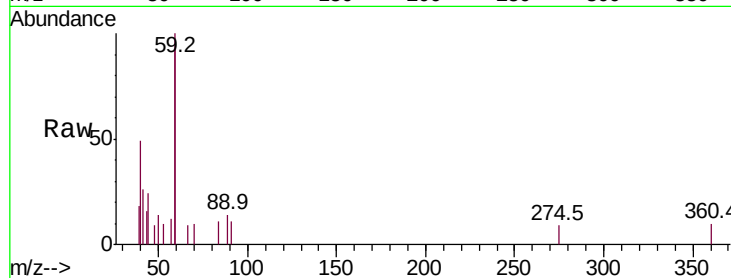
57 3.8 8.8 13.2#

Manual Integrations

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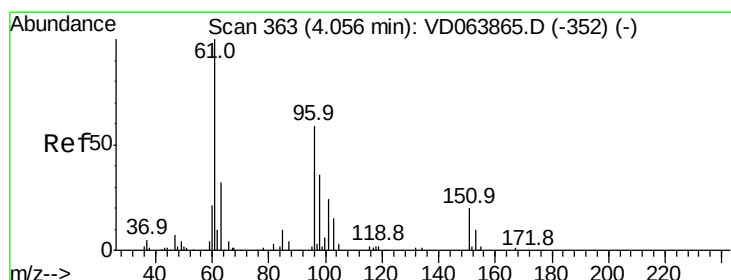
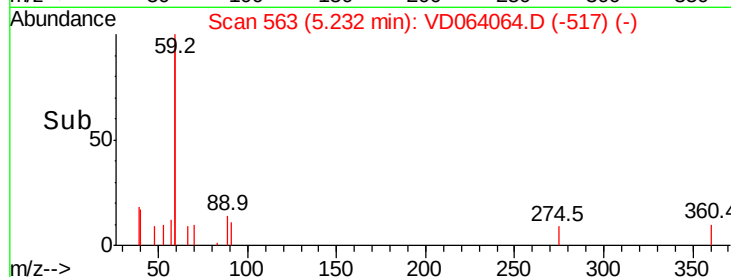
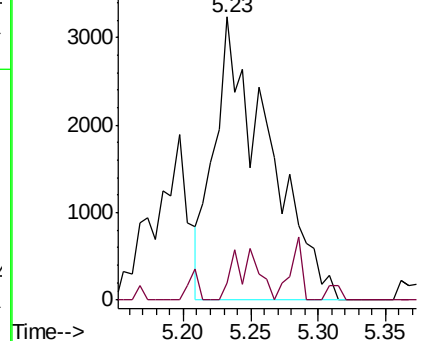
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 20.271 ug/l

RT: 4.06 min Scan# 363

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

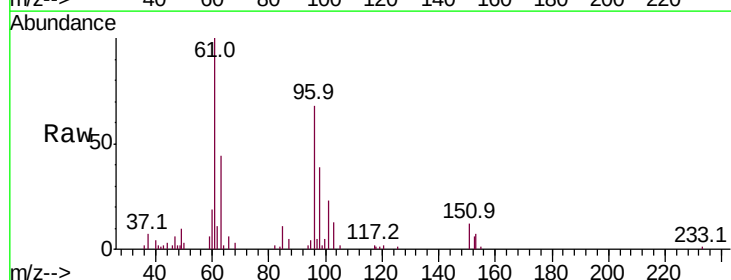
Tgt Ion: 96 Resp: 24528

Ion Ratio Lower Upper

96 100

61 146.3 135.6 203.4

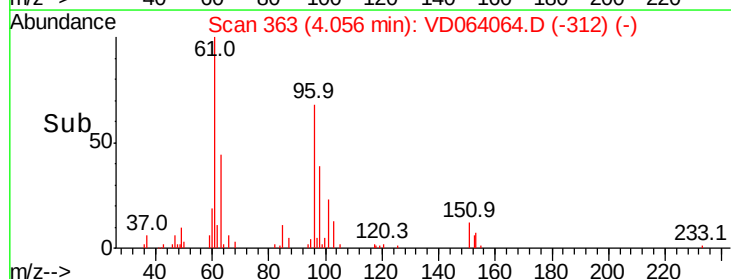
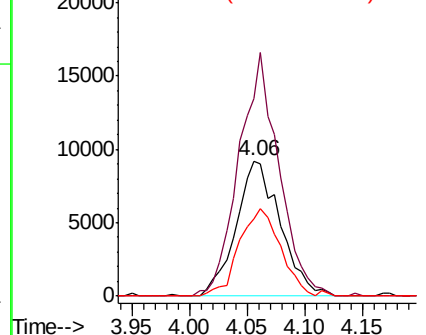
98 57.4 49.2 73.8

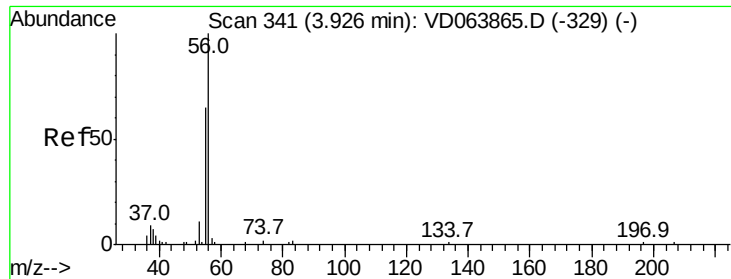


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





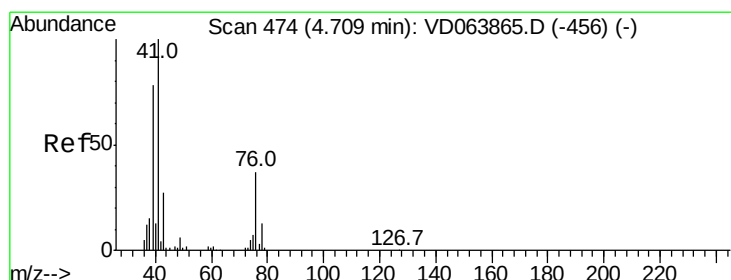
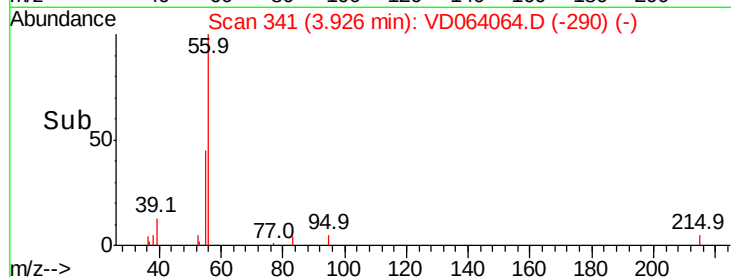
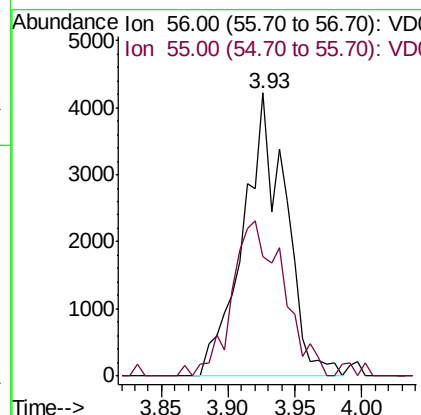
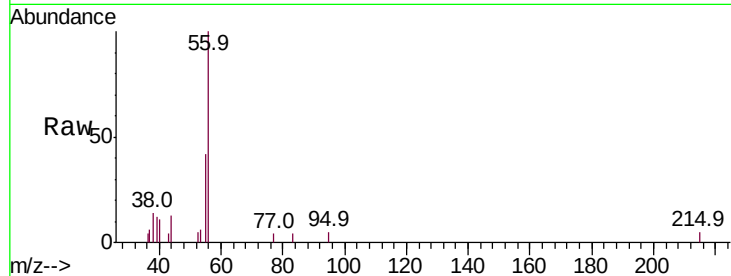
#13
Acrolein
Concen: 74.094 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

Tot Ion: 56 Resp: 9302
Ion Ratio Lower Upper
56 100
55 66.9 53.0 79.6

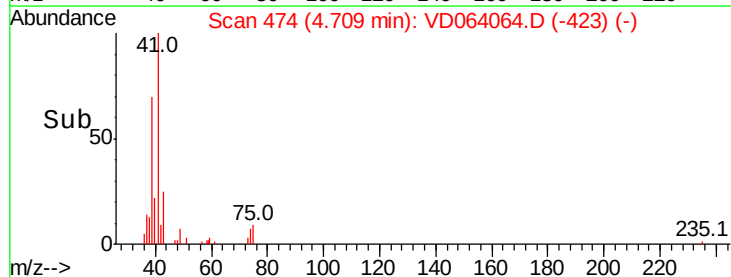
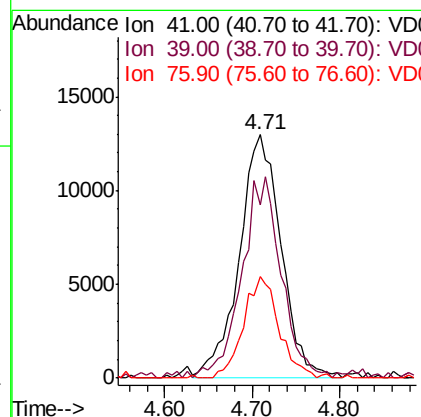
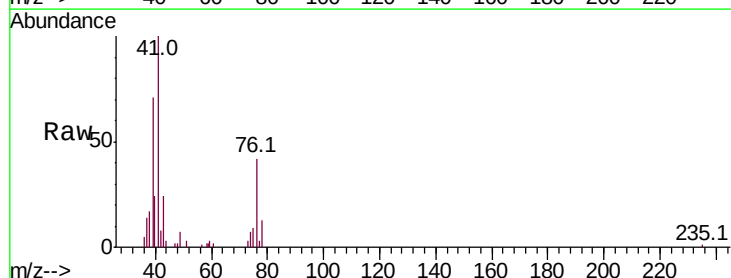
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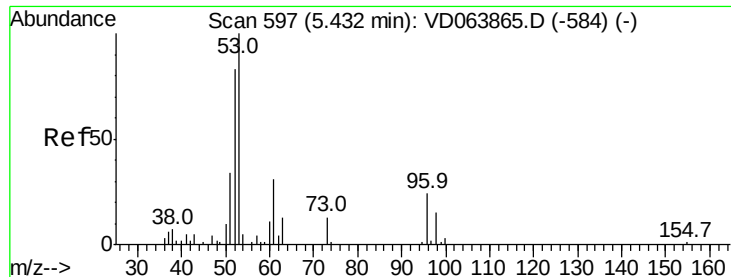
MMDadoda
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#14
Allyl chloride
Concen: 21.008 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion: 41 Resp: 42262
Ion Ratio Lower Upper
41 100
39 77.7 61.8 92.6
76 35.2 31.3 46.9





#15

Acrylonitrile

Concen: 110.272 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

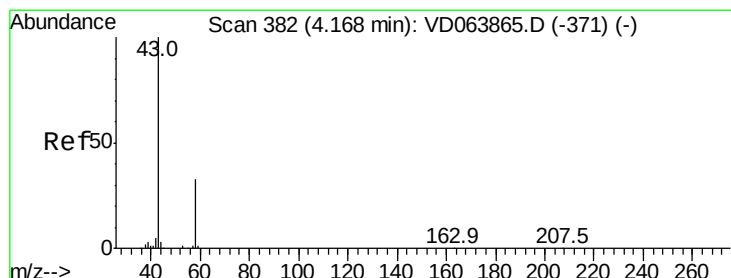
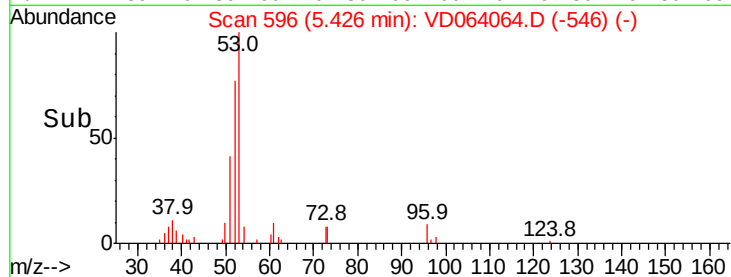
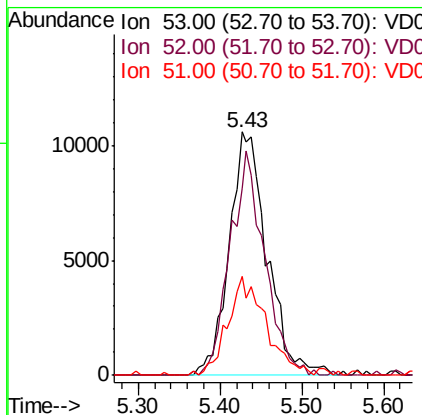
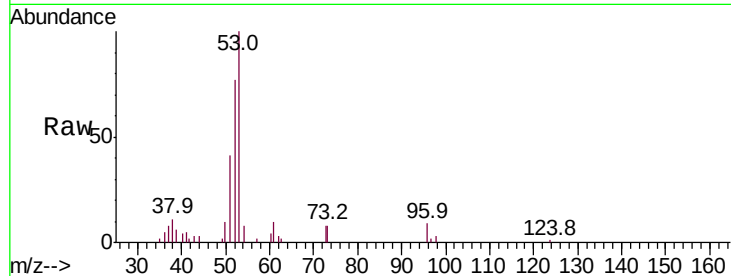
ClientSampleId :

VD1025SBS01

Tot Ion:	53	Resp:	34143
Ion Ratio	Lower	Upper	
53	100		
52	84.5	67.3	100.9
51	40.8	30.5	45.7

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#16

Acetone

Concen: 89.052 ug/l

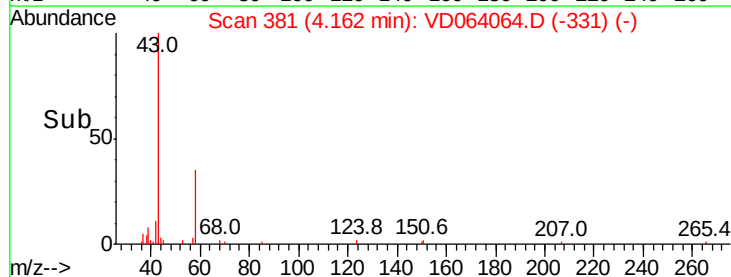
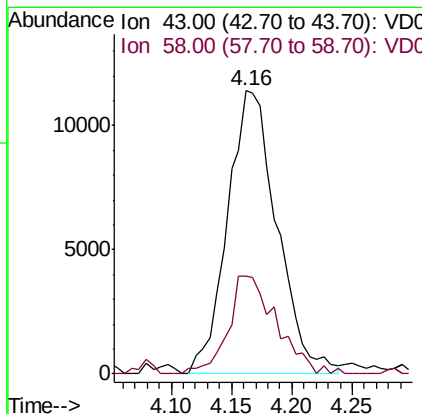
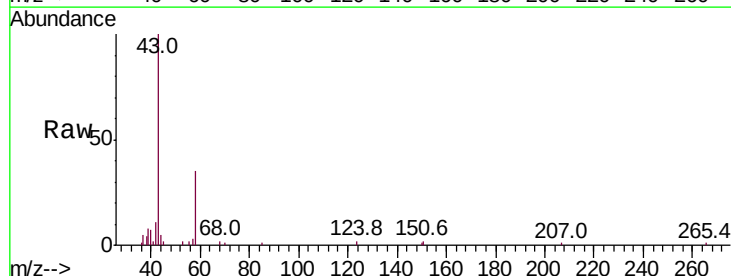
RT: 4.16 min Scan# 381

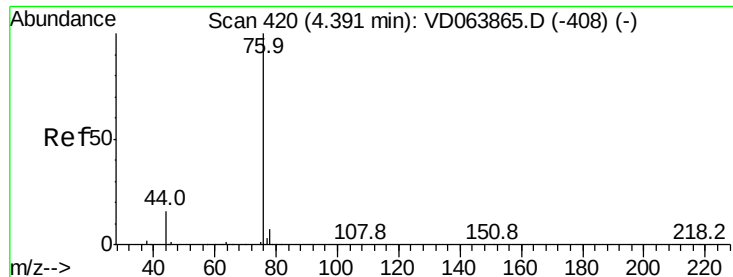
Delta R.T. -0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Tgt Ion:	43	Resp:	32590
Ion Ratio	Lower	Upper	
43	100		
58	33.6	26.2	39.4





#17

Carbon Disulfide

Concen: 18.008 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBSD01

Tot Ion: 76 Resp: 79208

Ion Ratio Lower Upper

76 100

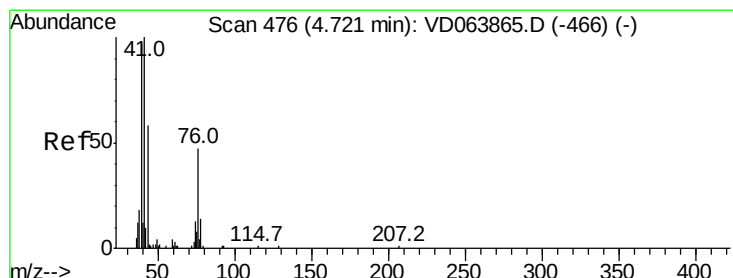
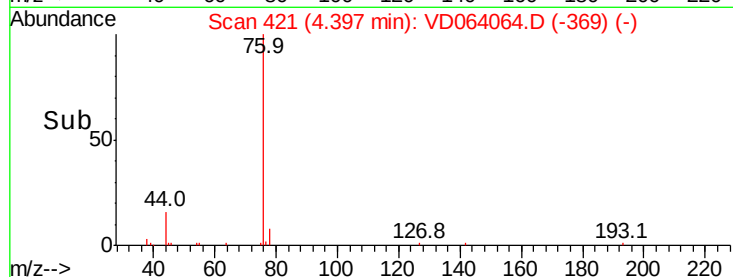
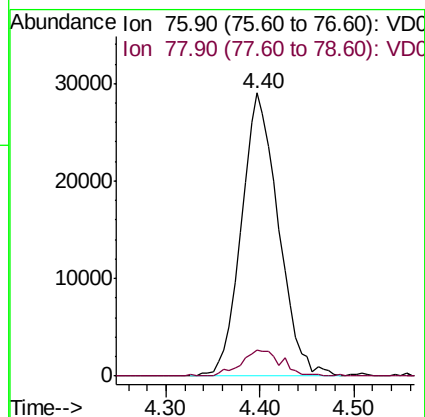
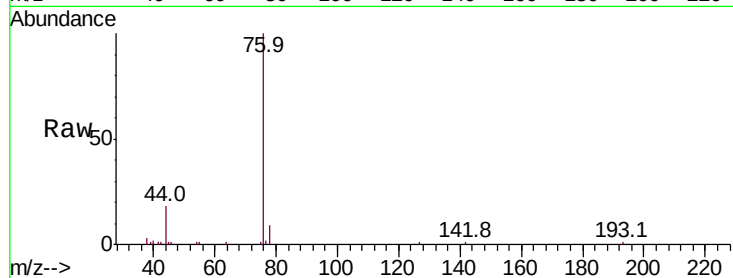
78 8.7 5.8 8.8

Manual Integrations

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#18

Methyl Acetate

Concen: 25.002 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064064.D

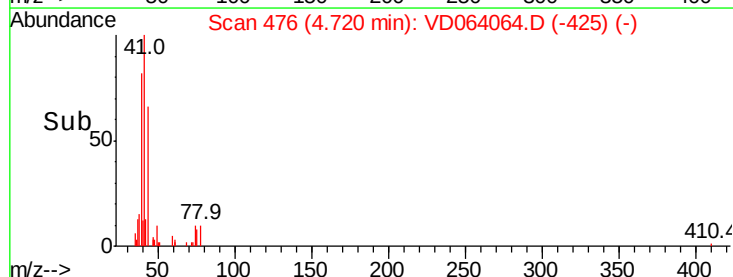
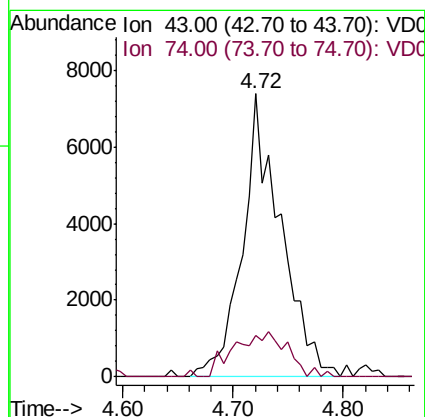
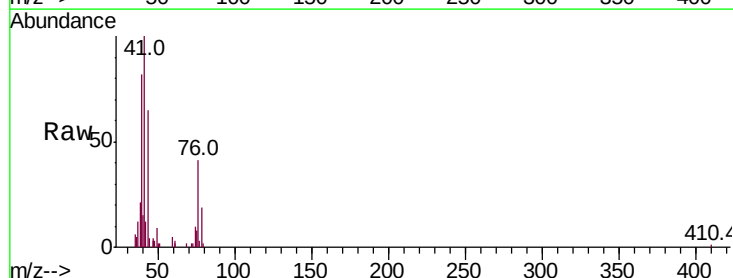
Acq: 25 Oct 2019 14:40

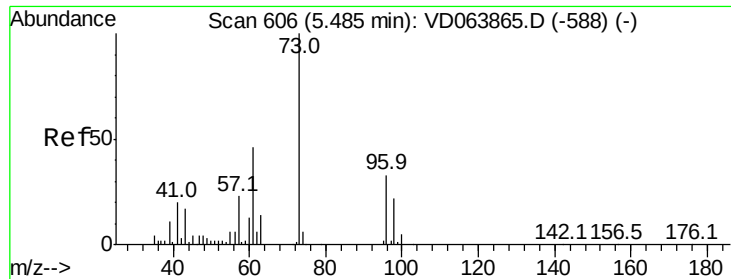
Tgt Ion: 43 Resp: 17896

Ion Ratio Lower Upper

43 100

74 22.2 20.8 31.2





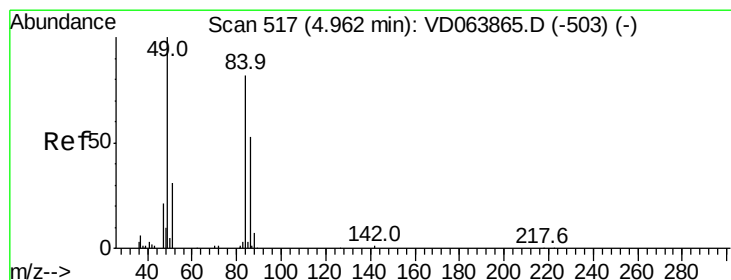
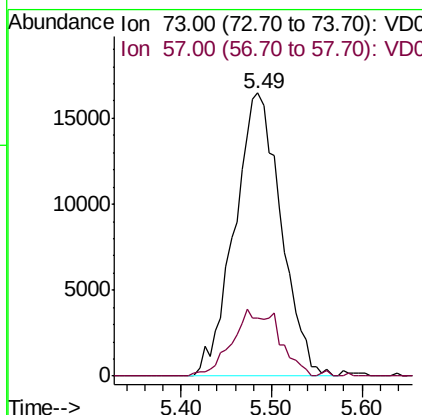
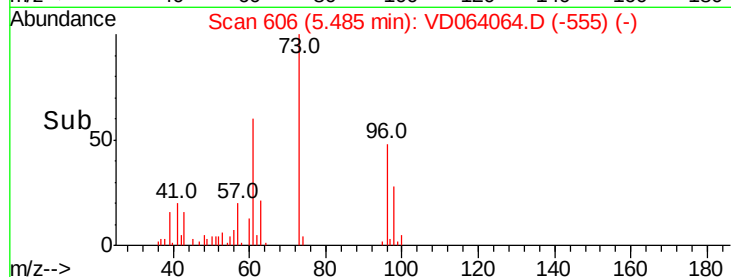
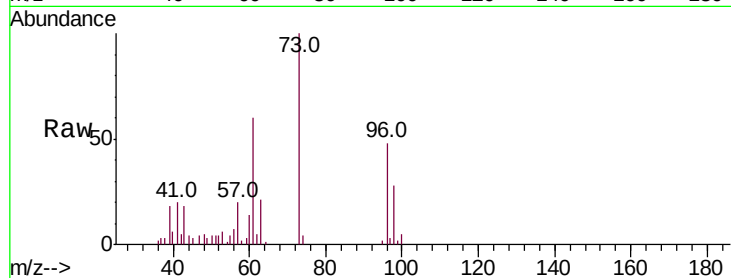
#19
Methyl tert-butyl Ether
Concen: 18.688 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	18.1	27.1

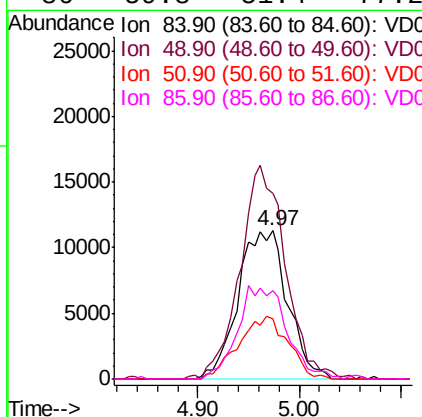
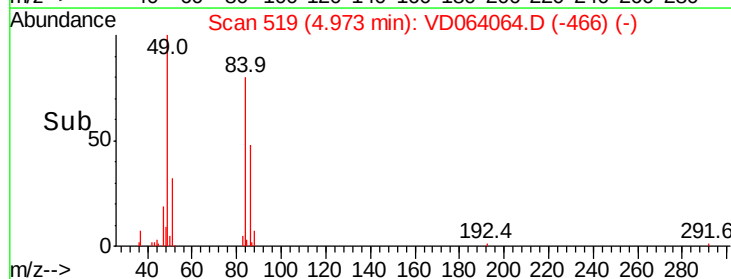
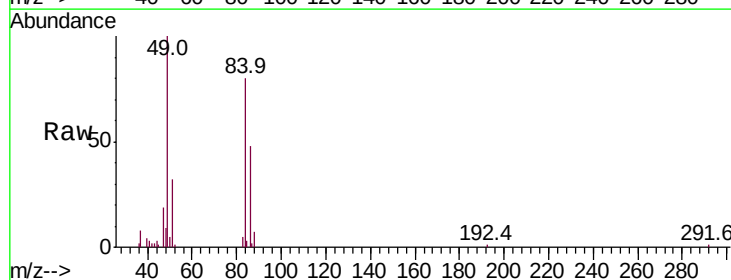
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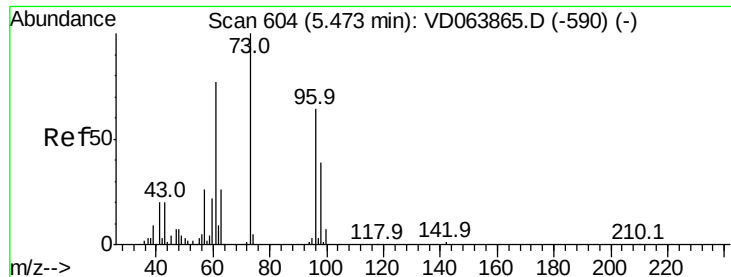
MMDadoda
10/28/2019 12:39:27 PM



#20
Methylene Chloride
Concen: 21.824 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.2	97.3	145.9
51	40.7	30.1	45.1
86	59.8	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 20.434 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 96 Resp: 30781

Ion Ratio Lower Upper

96 100

61 142.7 96.6 145.0

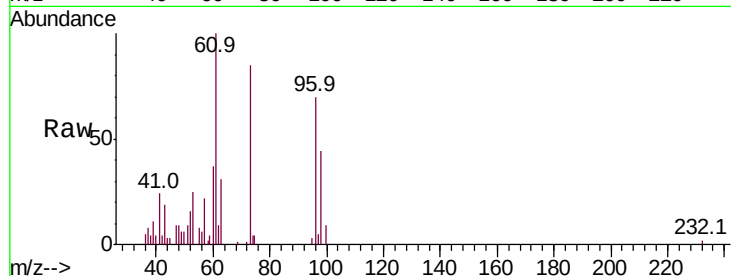
98 62.6 48.7 73.1

Manual Integrations

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MMDadoda

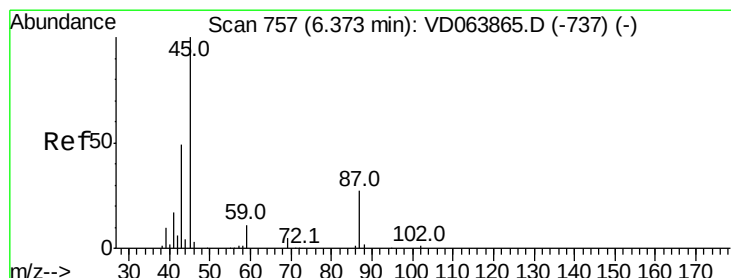
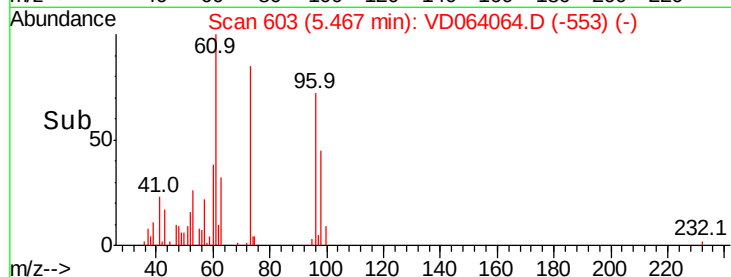
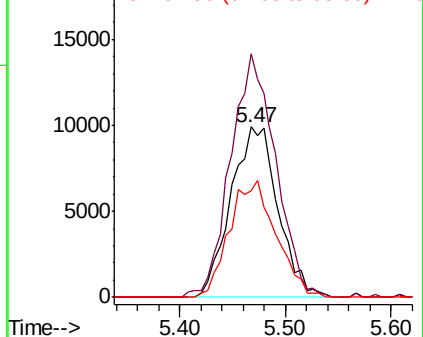
10/28/2019 12:39:27 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 21.948 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Tgt Ion: 45 Resp: 90175

Ion Ratio Lower Upper

45 100

43 60.7 41.2 61.8

87 23.6 22.2 33.4

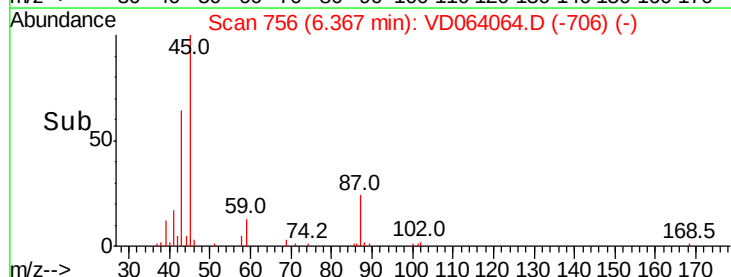
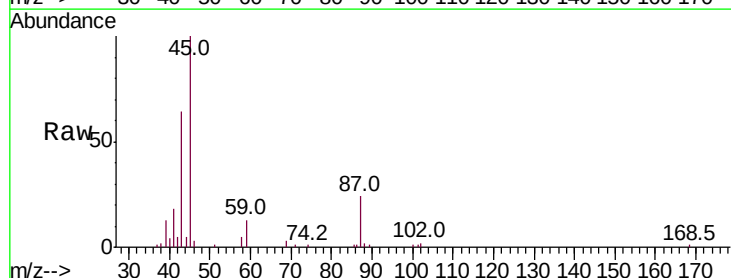
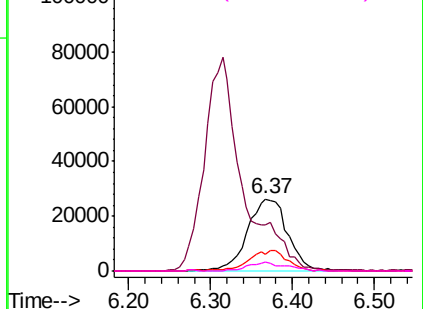
59 12.6 9.2 13.8

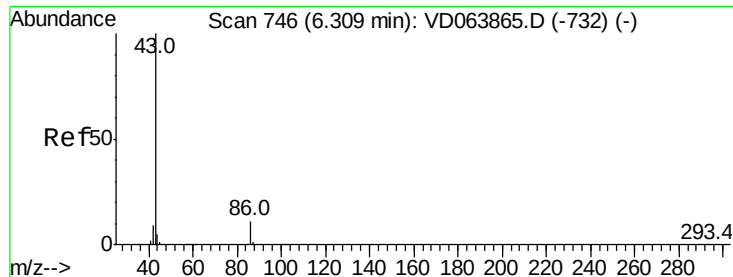
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 105.553 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 43 Resp: 257989

Ion Ratio Lower Upper

43 100

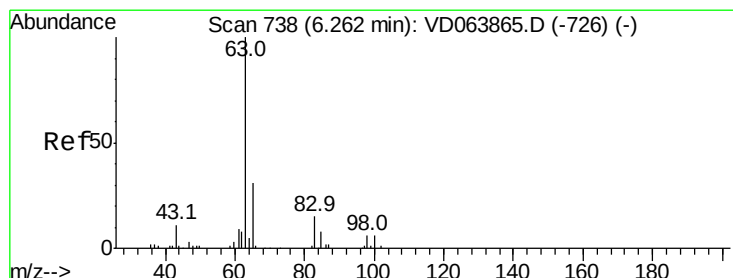
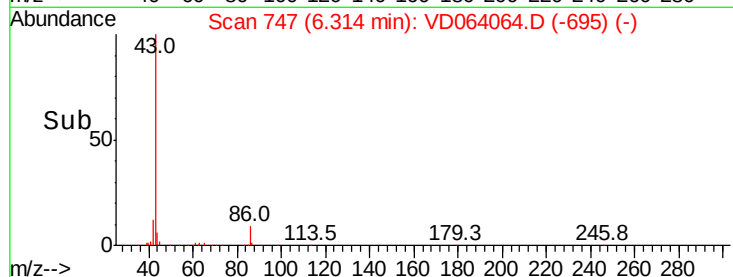
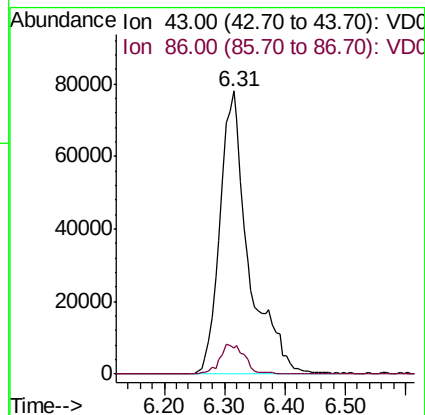
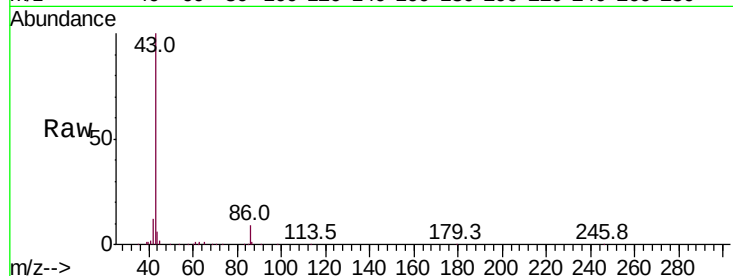
86 9.1 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 22.483 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

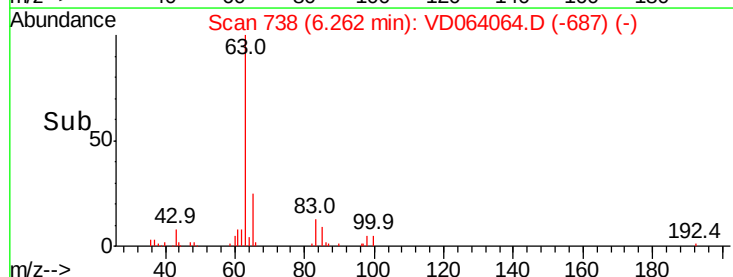
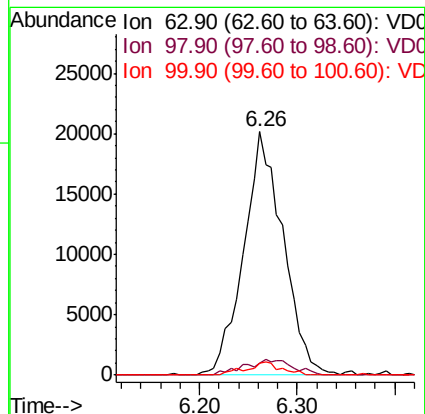
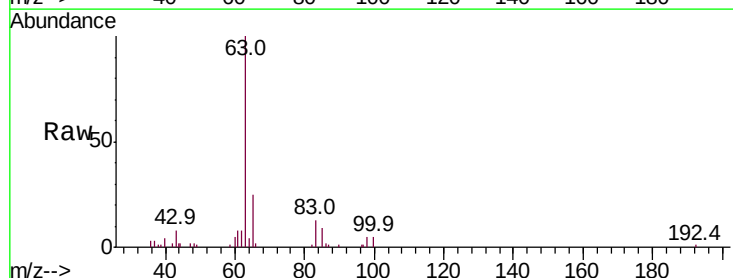
Tgt Ion: 63 Resp: 56899

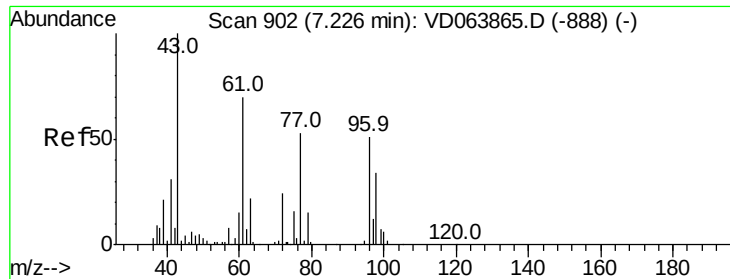
Ion Ratio Lower Upper

63 100

98 5.1 3.1 9.4

100 4.8 3.0 9.2





#25

2-Butanone

Concen: 104.046 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 43 Resp: 45126

Ion Ratio Lower Upper

43 100

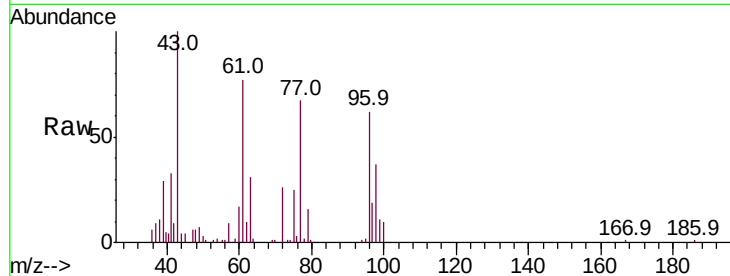
72 25.7 19.2 28.8

Manual Integrations

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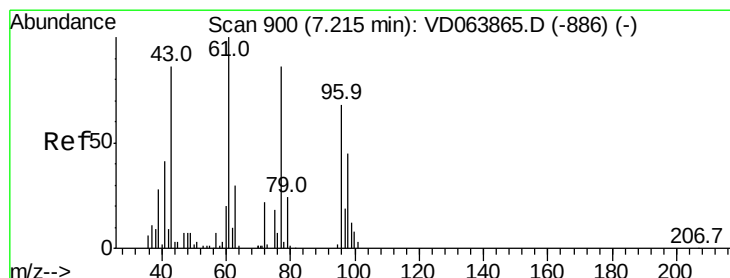
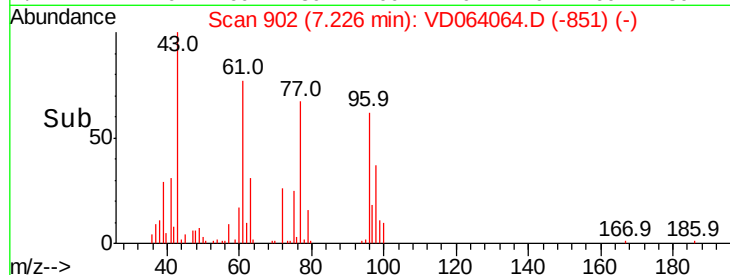
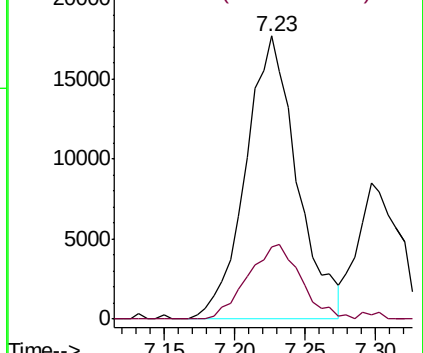
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.764 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064064.D

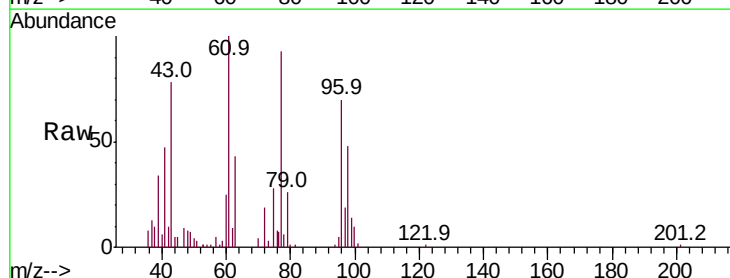
Acq: 25 Oct 2019 14:40

Tgt Ion: 77 Resp: 45246

Ion Ratio Lower Upper

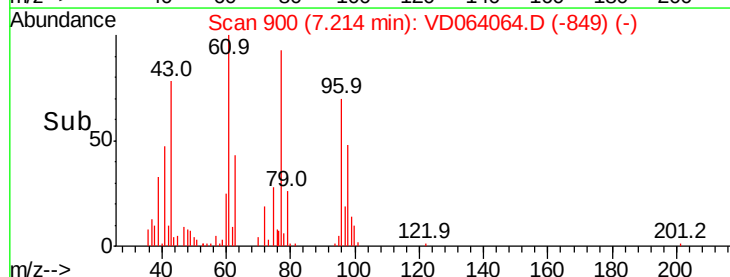
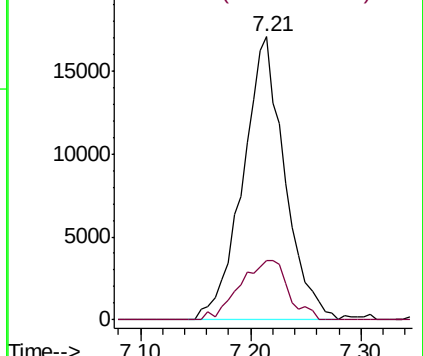
77 100

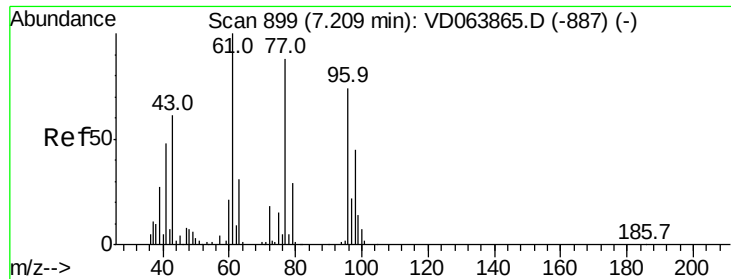
97 24.3 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

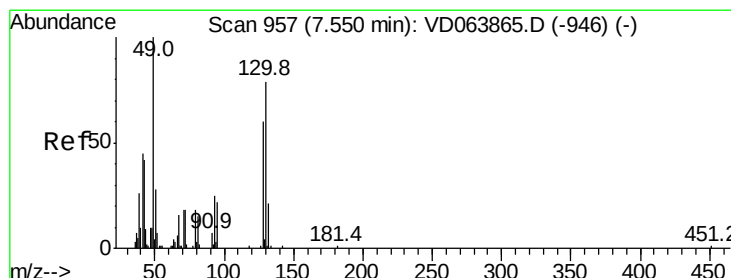
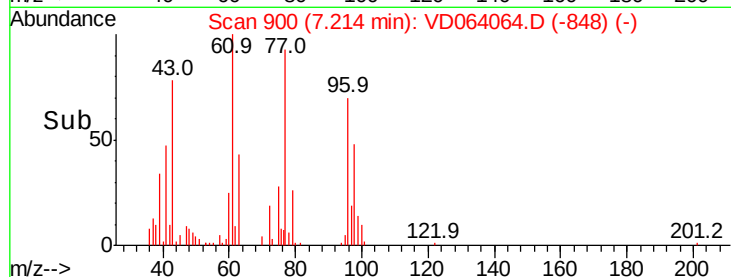
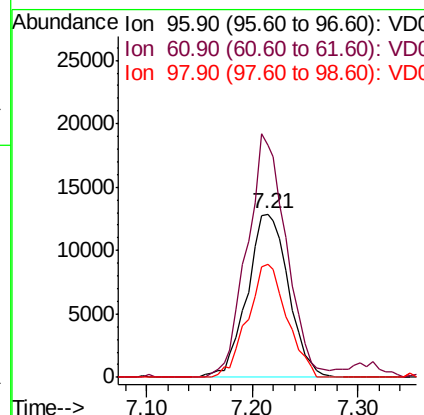
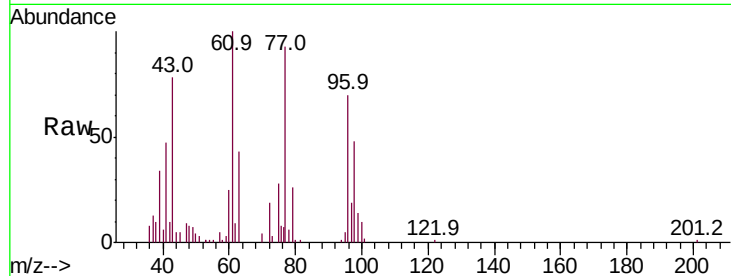
cis-1,2-Dichloroethene
Concen: 20.419 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	34814		
61	142.5	0.0	280.0	
98	66.0	0.0	130.4	

Manual Integrations
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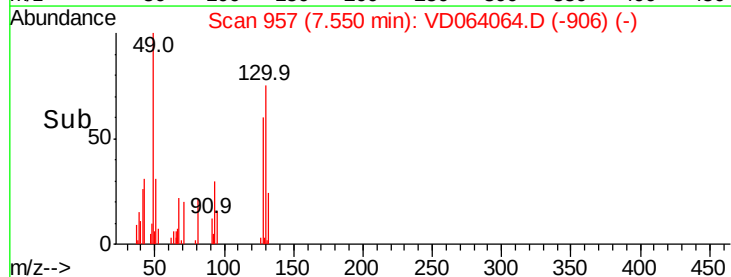
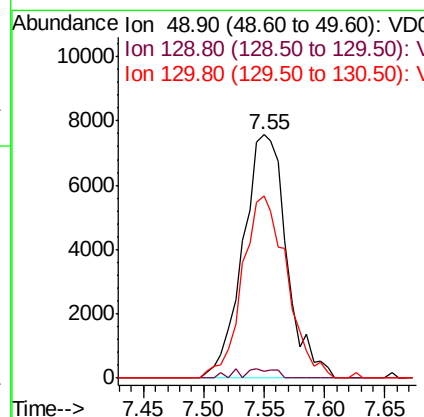
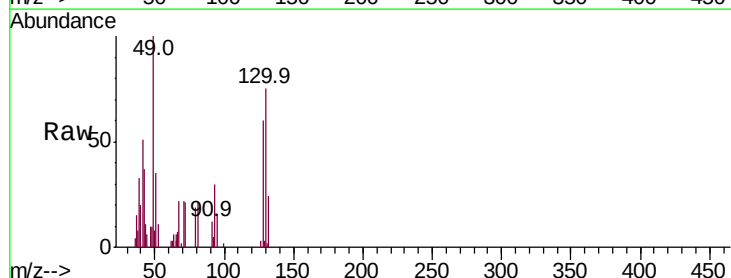
MMDadoda
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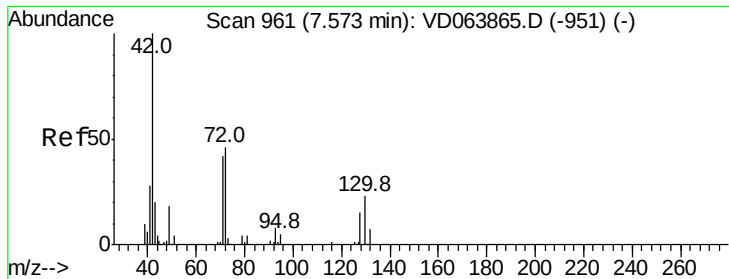


#28

Bromochloromethane
Concen: 20.946 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19071		
129	3.2	0.0	5.6	
130	76.3	66.8	100.2	





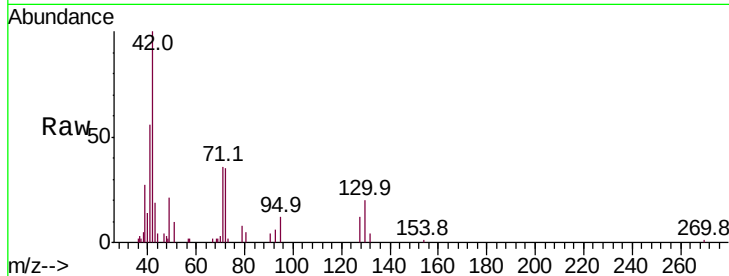
#29
Tetrahydrofuran
Concen: 103.939 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	37.6	56.4
71	43.9	35.0	52.6

Manual Integrations
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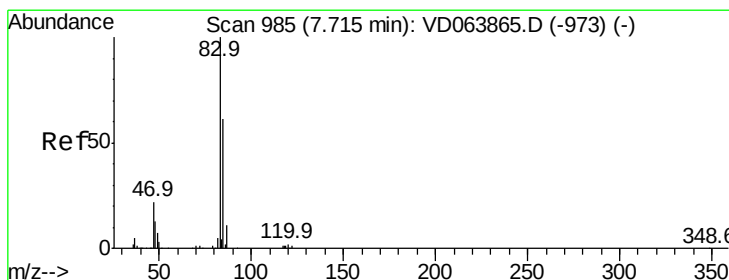
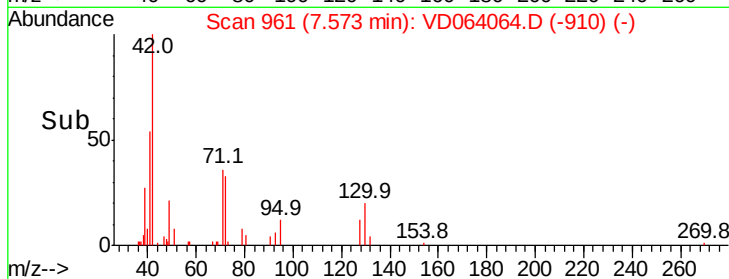
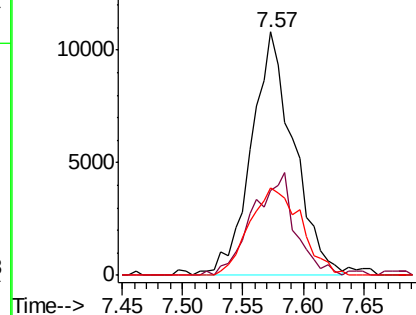


Abundance

Ion 42.00 (41.70 to 42.70): VDC

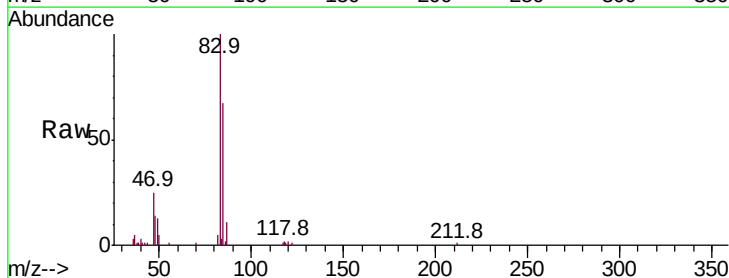
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30
Chloroform
Concen: 21.153 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

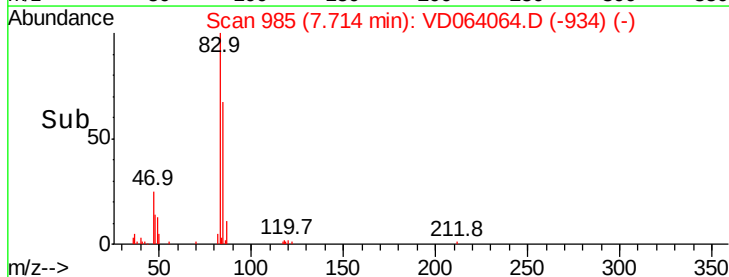
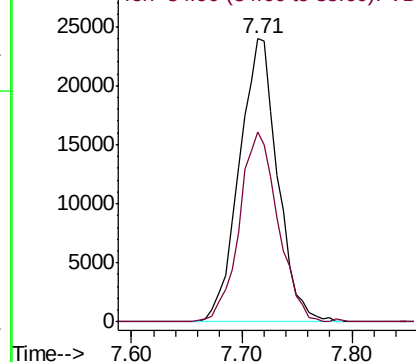
Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	48.9	73.3

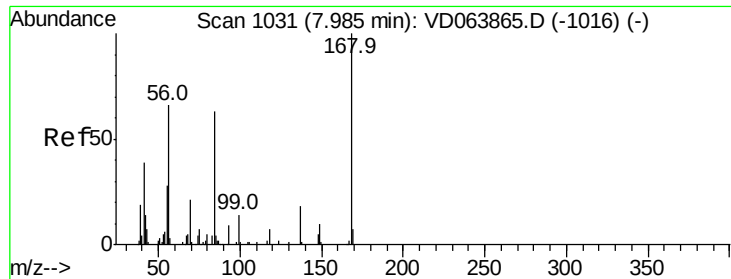


Abundance

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





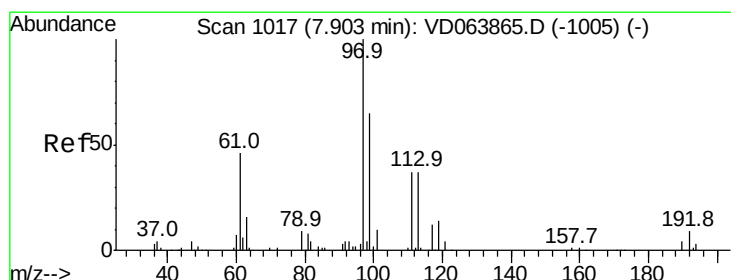
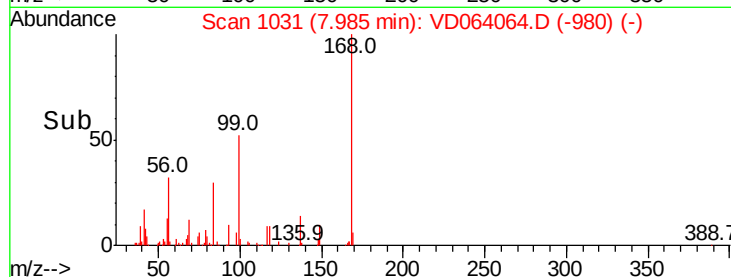
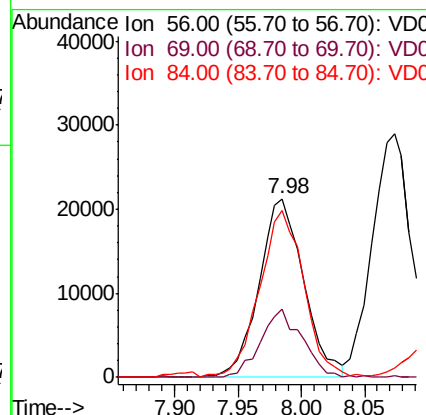
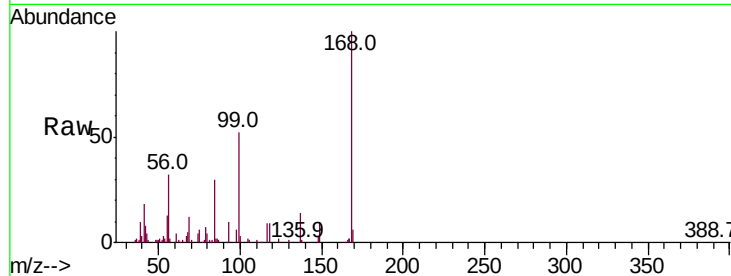
#31
Cyclohexane
Concen: 22.701 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.2	25.0	37.4#
84	90.2	76.3	114.5

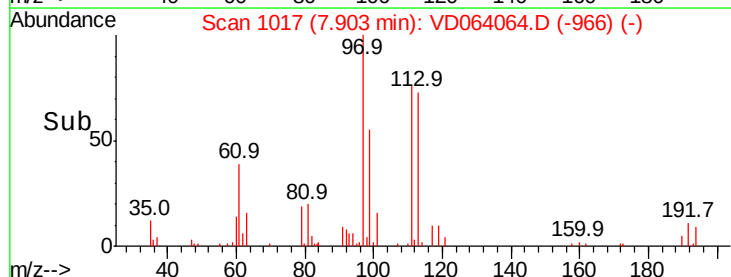
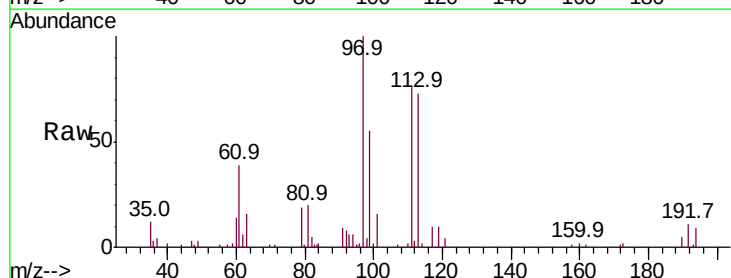
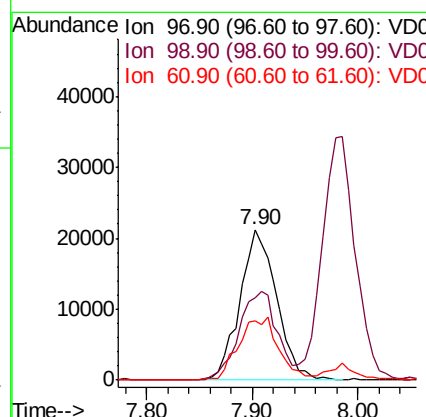
Manual Integrations
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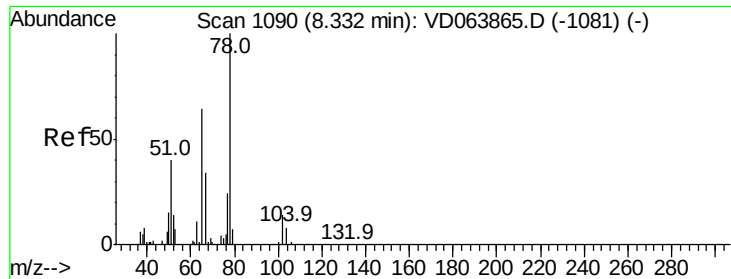
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#32
1,1,1-Trichloroethane
Concen: 21.726 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.8	52.4	78.6
61	45.1	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 48.163 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 65 Resp: 67700

Ion Ratio Lower Upper

65 100

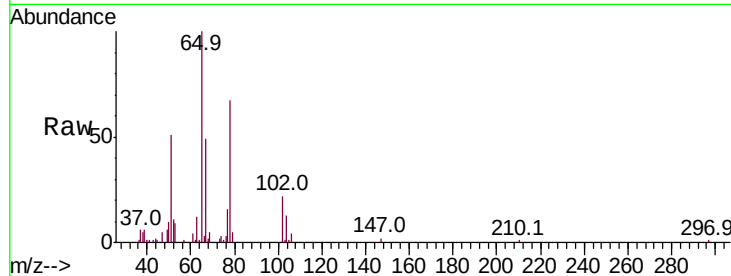
67 51.8 0.0 106.4

Manual Integrations

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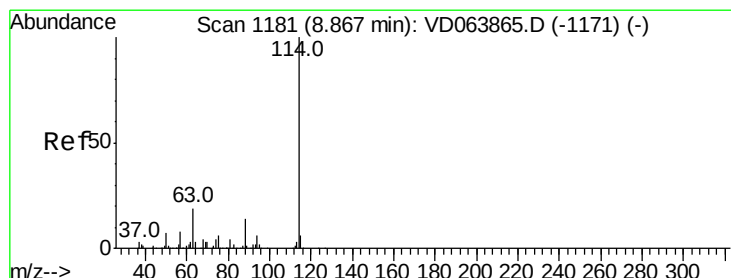
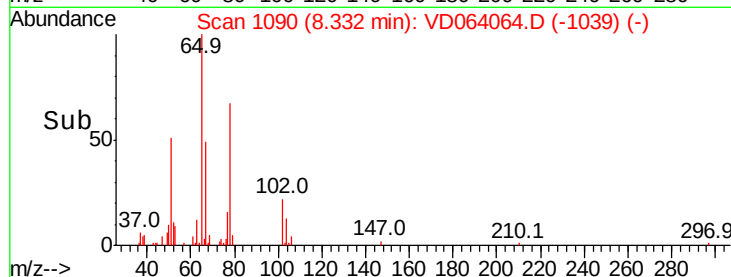
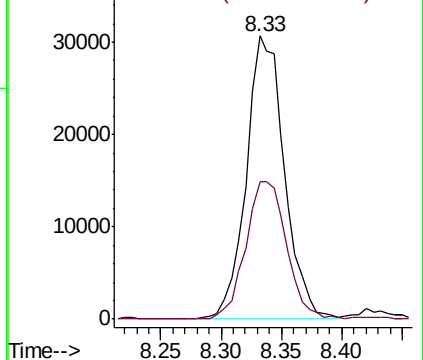
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

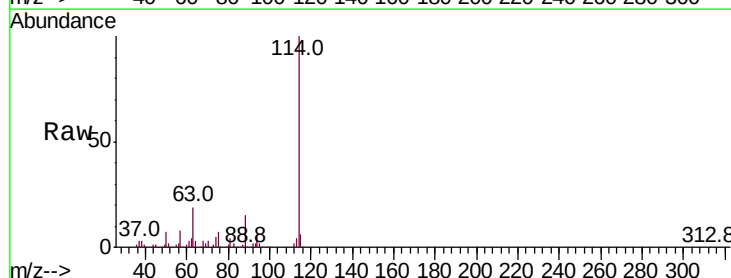
Tgt Ion: 114 Resp: 225910

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.4

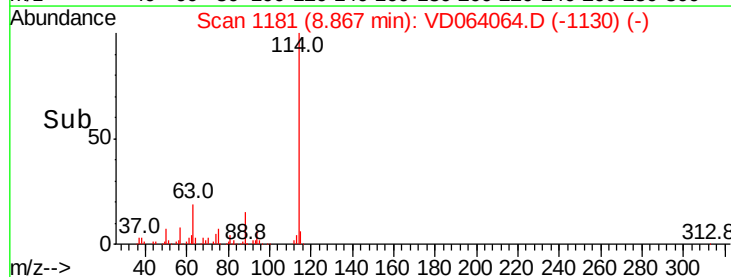
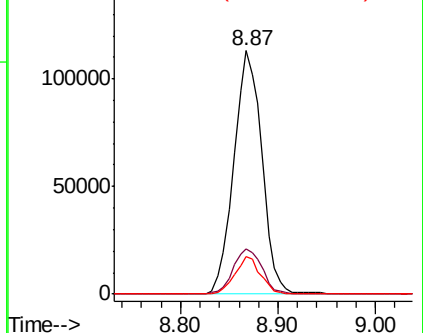
88 15.2 0.0 27.4

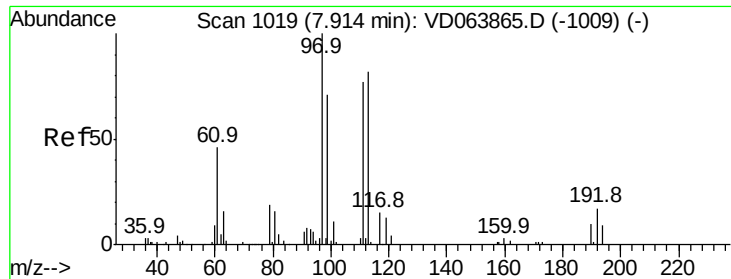


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





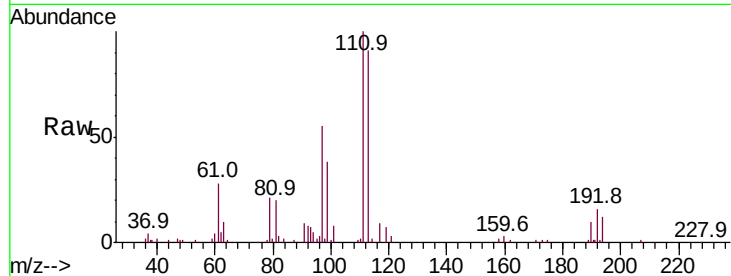
#35
 Dibromofluoromethane
 Concen: 50.639 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD064064.D
 Acq: 25 Oct 2019 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.3	82.6	123.8
192	19.7	17.1	25.7

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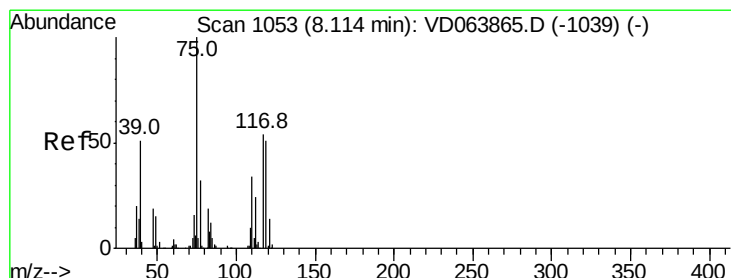
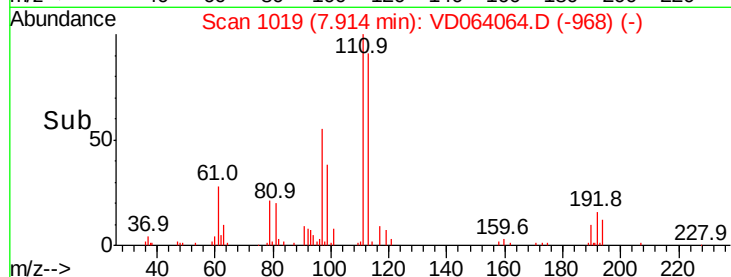
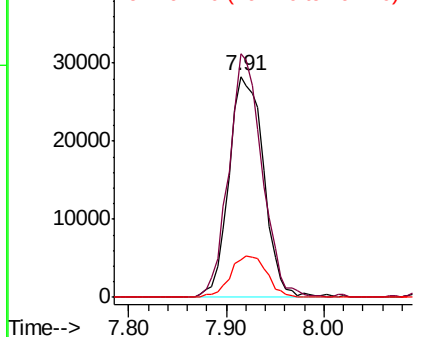


Abundance

Ion 112.80 (112.50 to 113.50): V

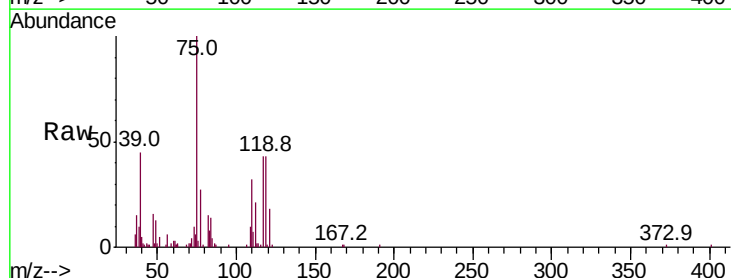
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 22.847 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064064.D
 Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.4	52.3
77	30.0	25.4	38.0

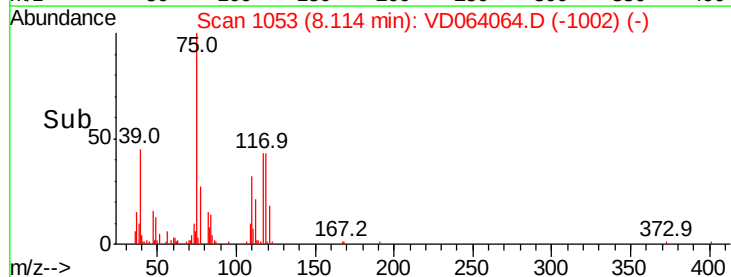
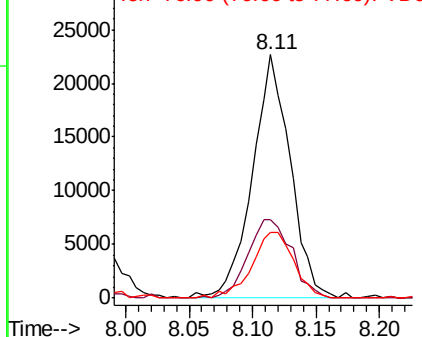


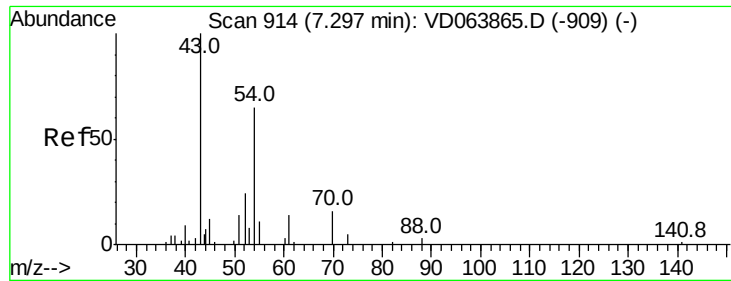
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





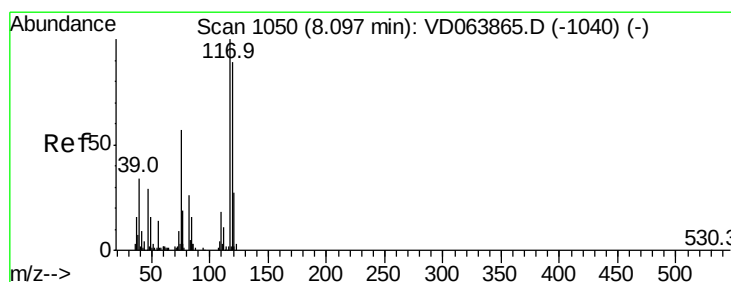
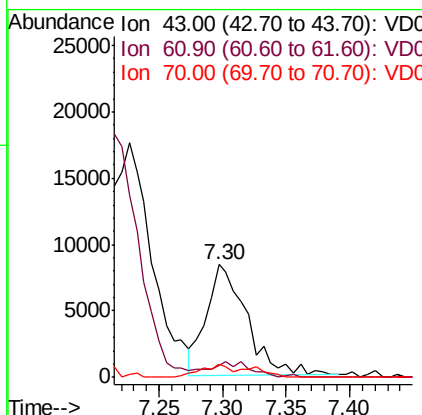
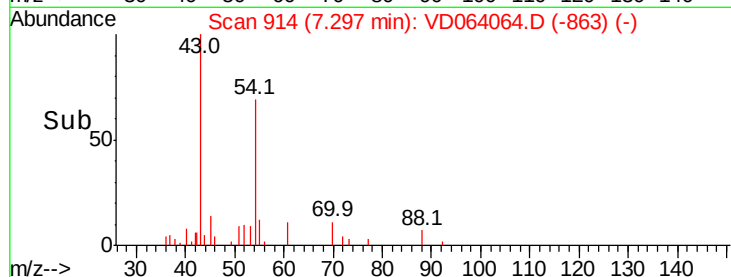
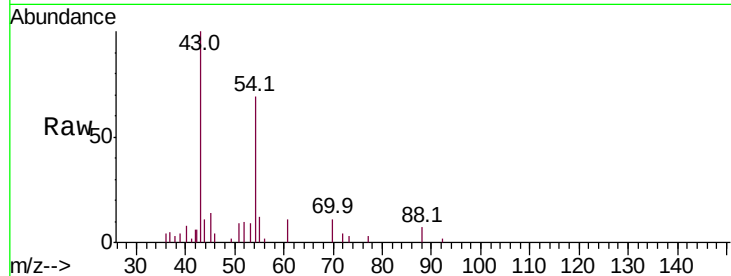
#37
Ethyl Acetate
Concen: 20.348 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	43	Resp	18812
Ion Ratio	100	Lower	Upper
61	12.1	11.5	17.3
70	8.4	8.2	12.4

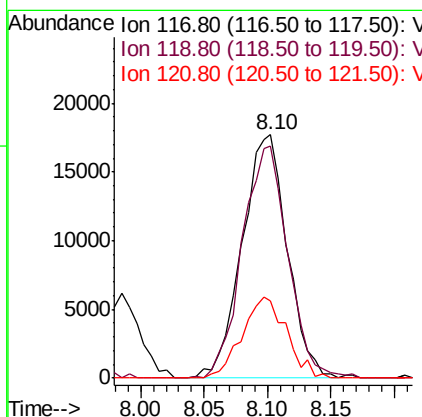
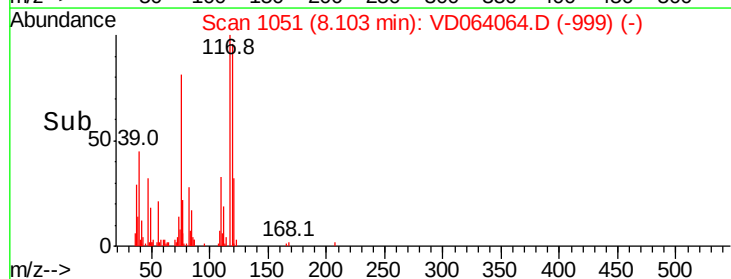
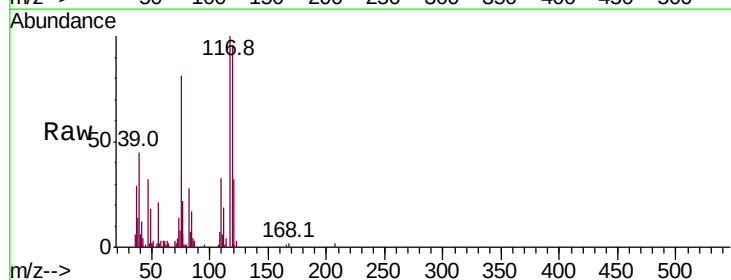
Manual Integrations
APPROVED

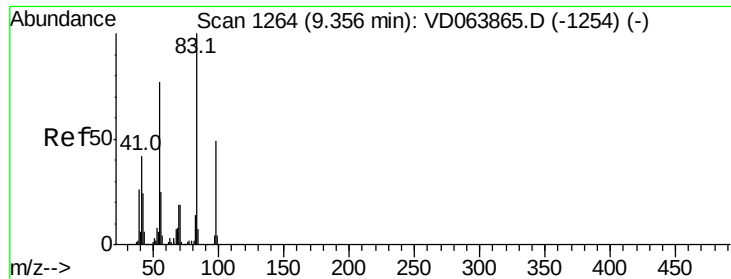
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10/28/2019 12:39:27 PM



#38
Carbon Tetrachloride
Concen: 20.996 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion	117	Resp	43825
Ion Ratio	100	Lower	Upper
119	95.6	70.8	106.2
121	31.6	21.4	32.0





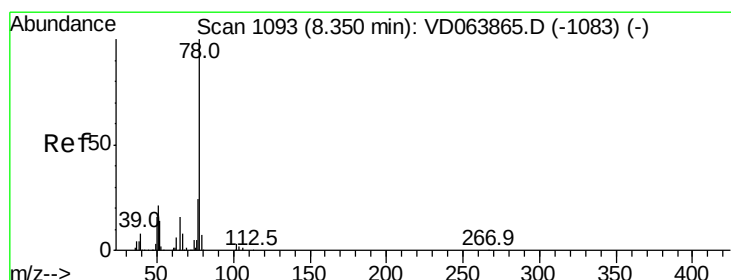
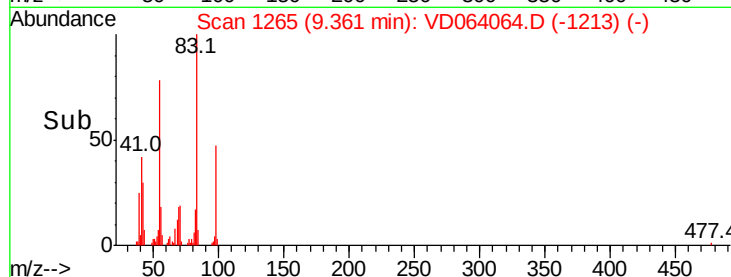
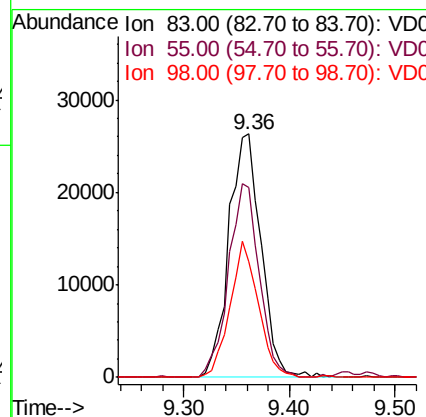
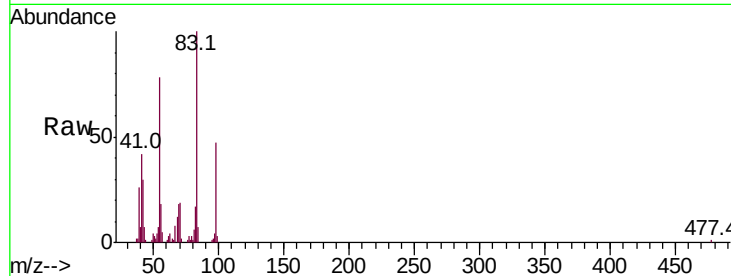
#39
Methylvlcyclohexane
Concen: 21.841 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	61.3	91.9
98	47.3	39.3	58.9

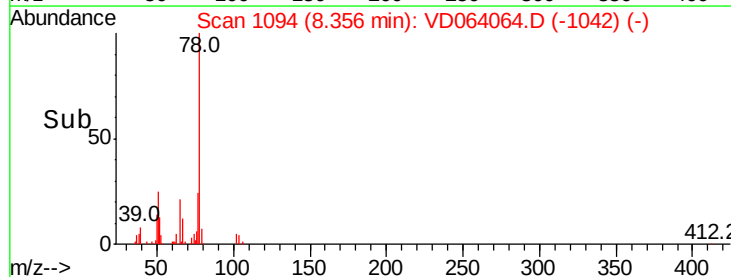
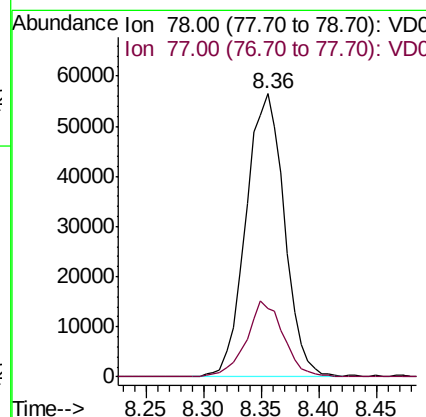
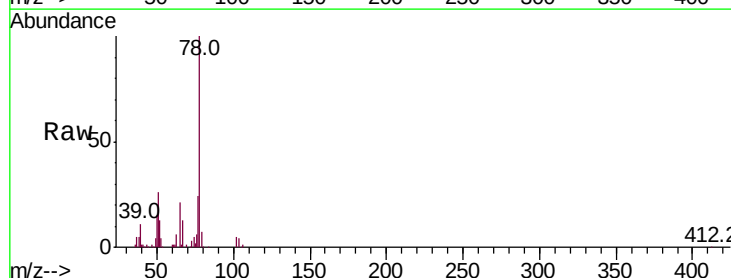
Manual Integrations
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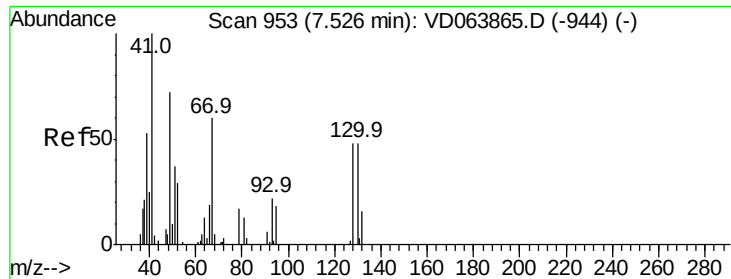
MMDadoda
10/28/2019 12:39:27 PM



#40
Benzene
Concen: 22.158 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





#41

Methacrylonitrile

Concen: 23.605 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 41 Resp: 11304

Ion Ratio Lower Upper

41 100

39 49.4 52.6 78.8#

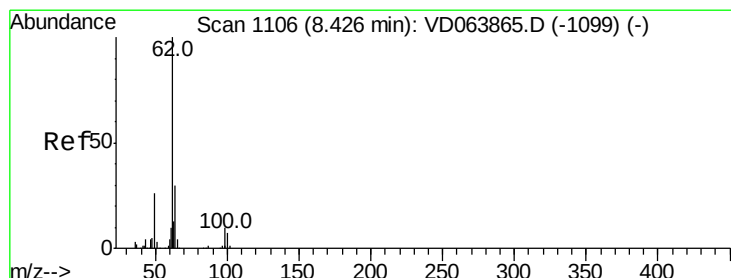
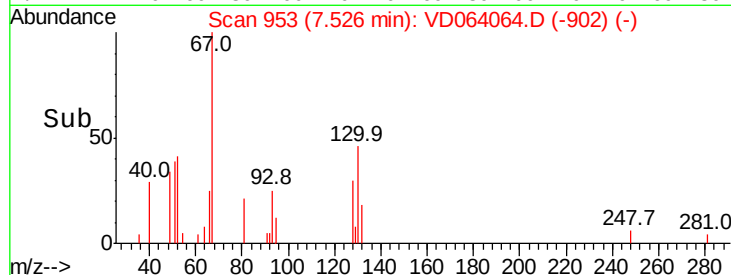
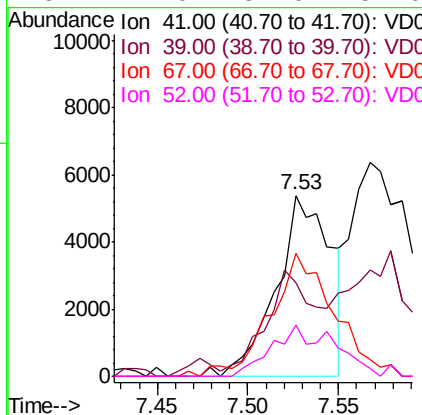
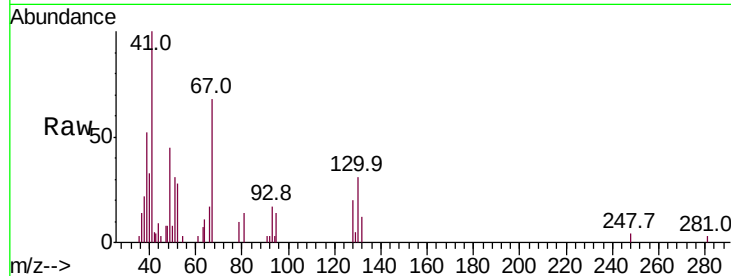
67 79.4 74.2 111.2

52 21.0 34.0 51.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.775 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD064064.D

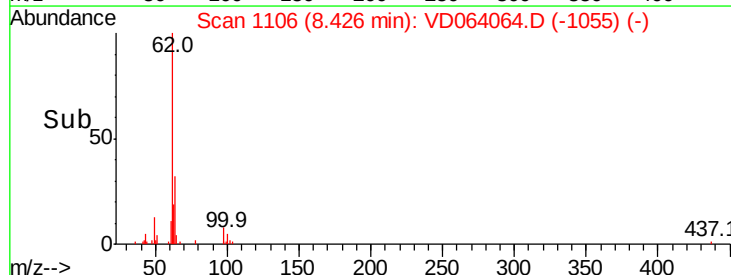
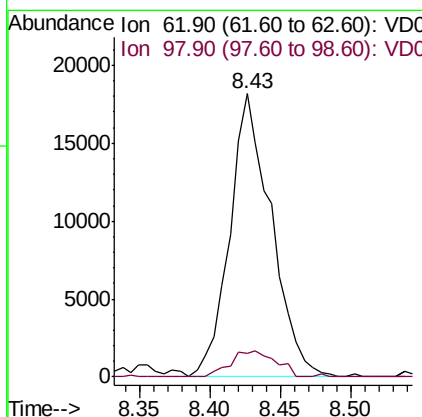
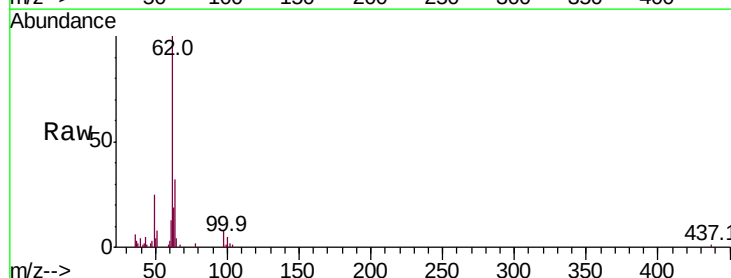
Acq: 25 Oct 2019 14:40

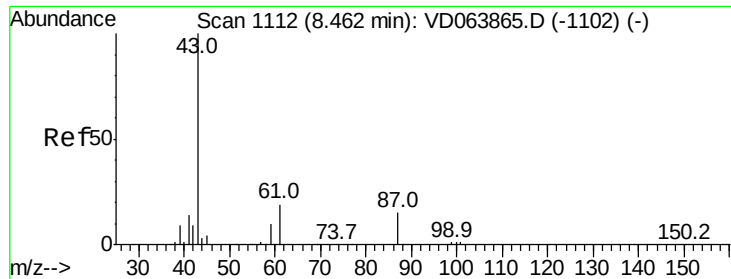
Tgt Ion: 62 Resp: 37284

Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.0





#43

Isopropyl Acetate

Concen: 21.047 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

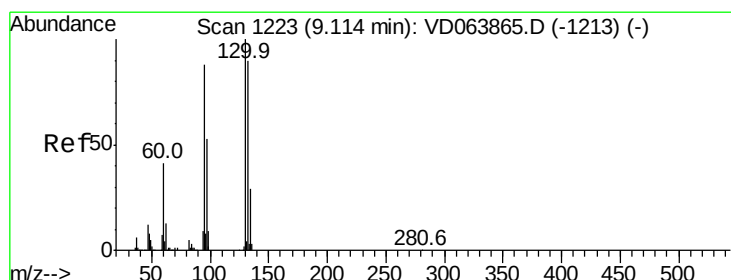
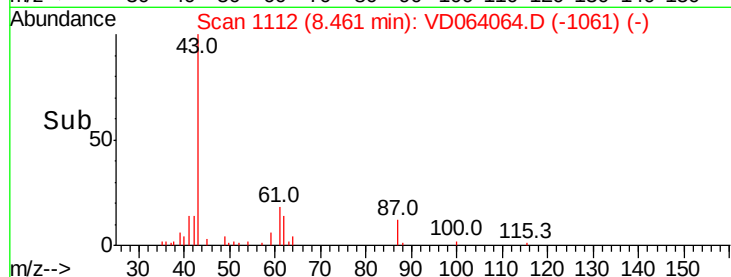
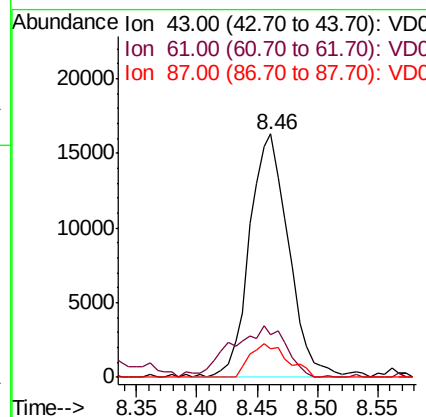
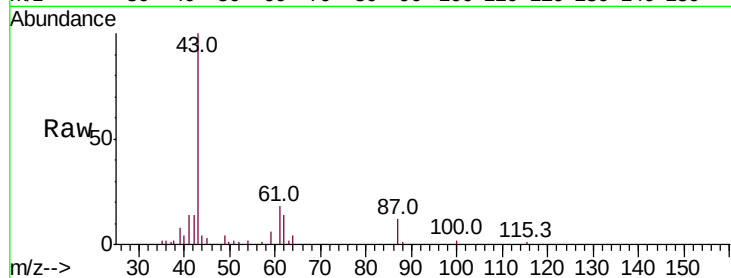
ClientSampleId :

VD1025SBSD01

Tot Ion:	43	Resp:	36458
Ion	Ratio	Lower	Upper
43	100		
61	29.7	25.7	38.5
87	13.4	11.6	17.4

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#44

Trichloroethene

Concen: 22.541 ug/l

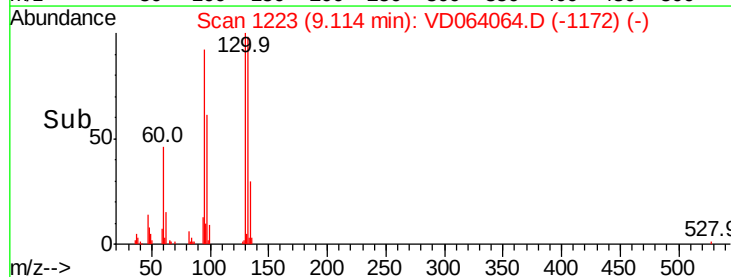
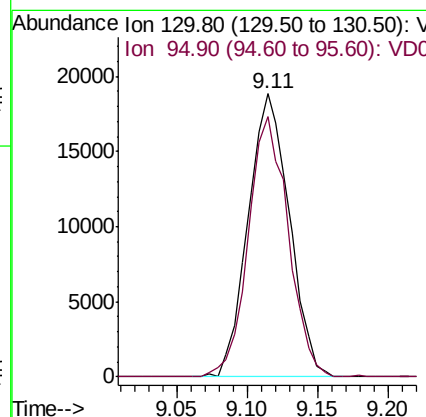
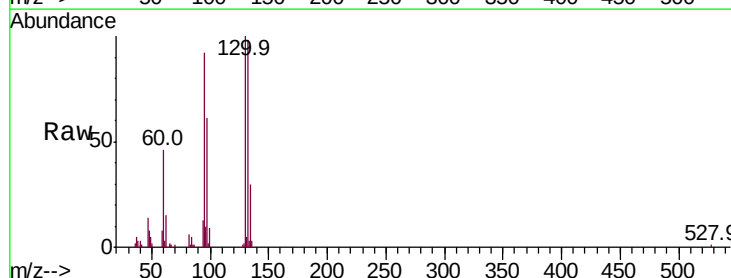
RT: 9.11 min Scan# 1223

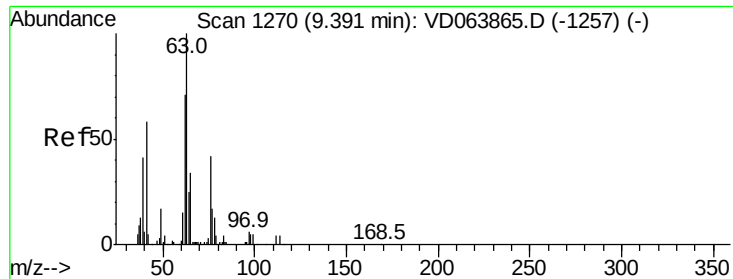
Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Tgt Ion:	130	Resp:	38475
Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	175.6





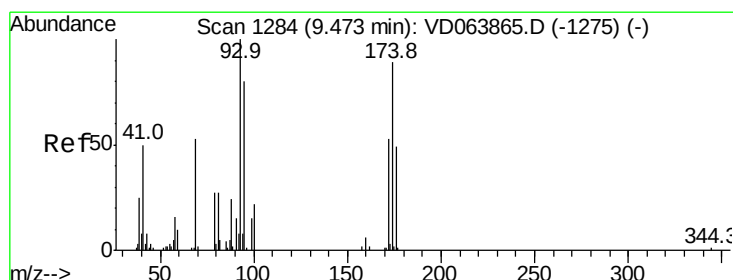
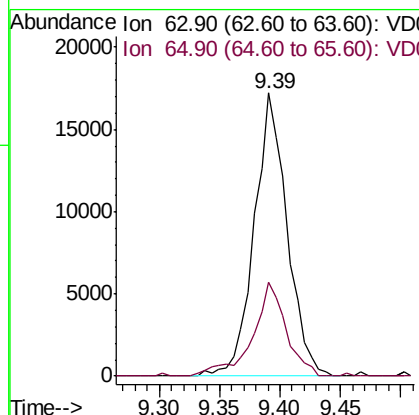
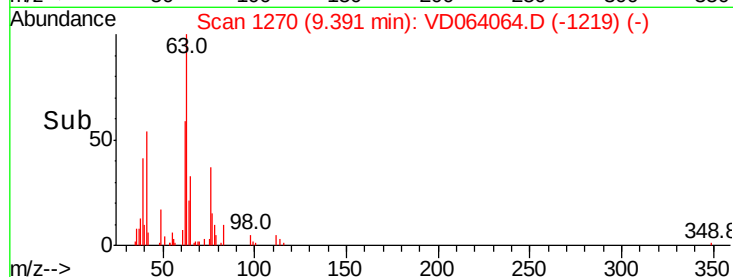
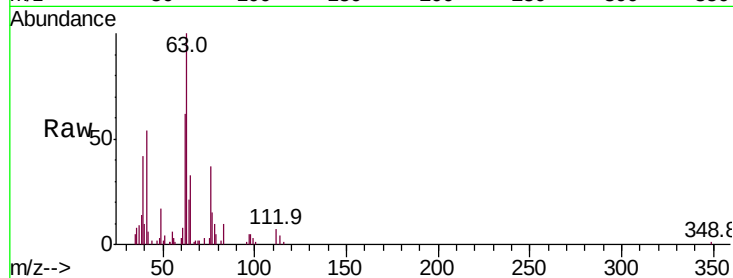
#45
 1,2-Dichloropropane
 Concen: 22.524 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064064.D
 Acq: 25 Oct 2019 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.1	27.3	40.9

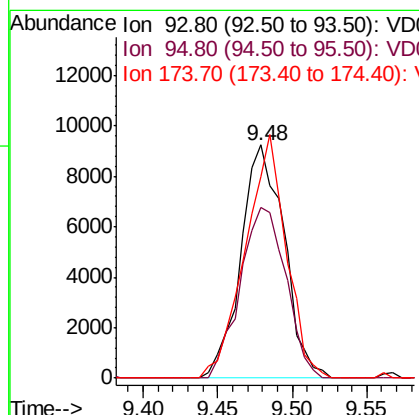
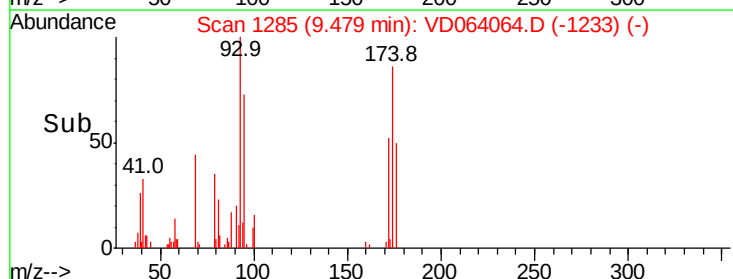
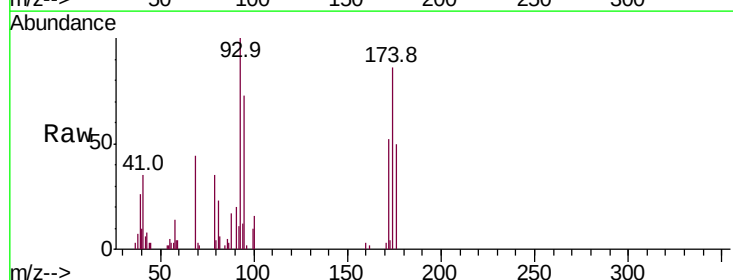
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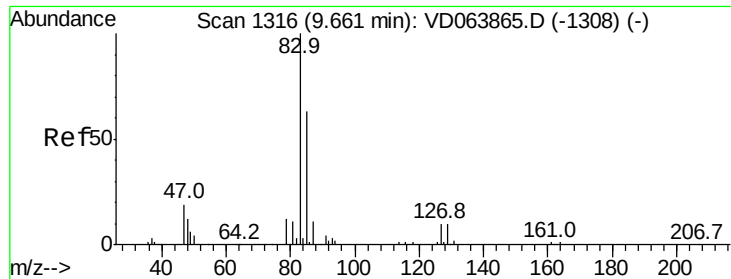
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#46
 Dibromomethane
 Concen: 22.382 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD064064.D
 Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	77.7	66.0	99.0
174	98.6	83.4	125.0





#47

Bromodichloromethane

Concen: 20.767 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

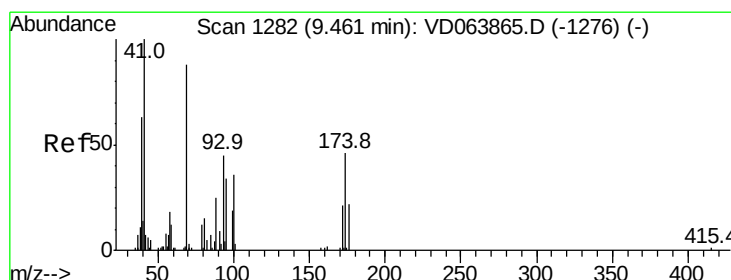
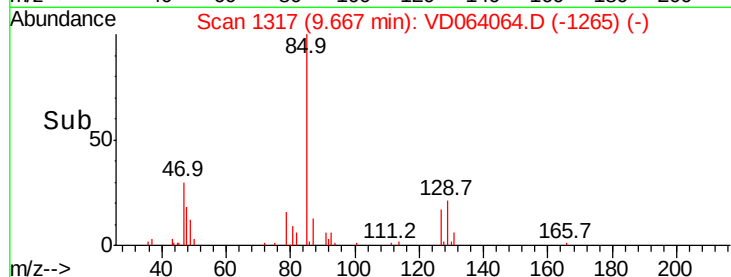
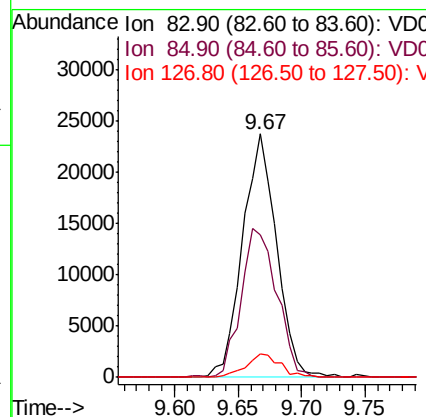
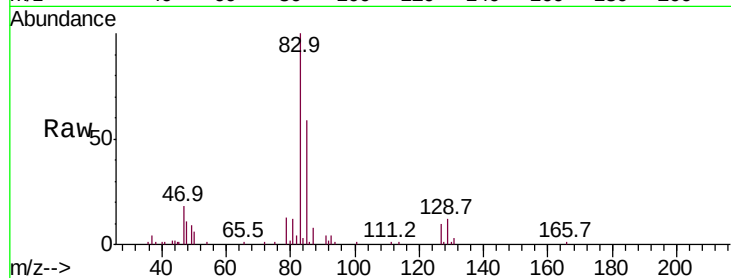
ClientSampleId :

VD1025SBS01

Tot Ion:	83	Resp:	44118
Ion	Ratio	Lower	Upper
83	100		
85	58.7	50.2	75.2
127	9.8	7.6	11.4

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#48

Methyl methacrylate

Concen: 18.646 ug/l

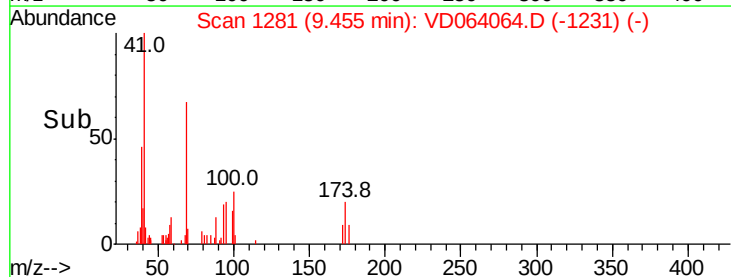
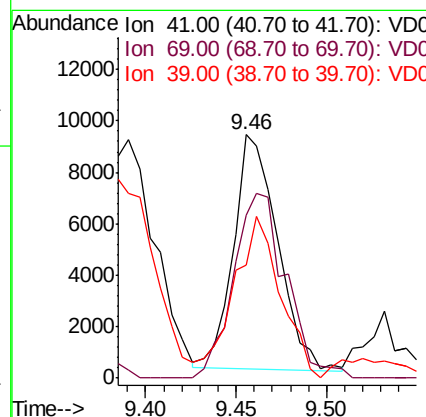
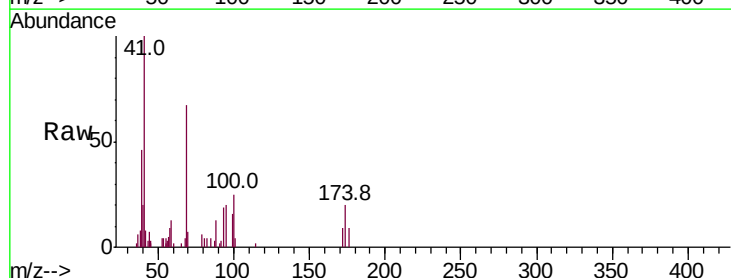
RT: 9.46 min Scan# 1281

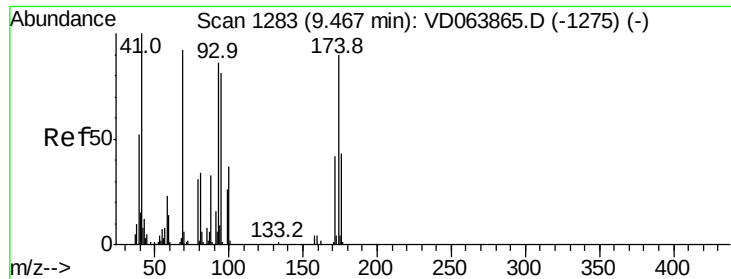
Delta R.T. -0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Tgt Ion:	41	Resp:	15476
Ion	Ratio	Lower	Upper
41	100		
69	92.9	75.1	112.7
39	72.9	50.2	75.2





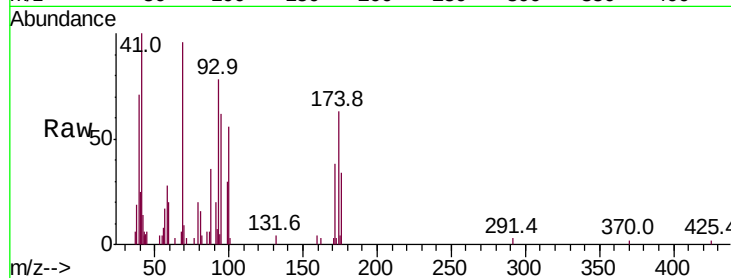
#49
1,4-Dioxane
Concen: 402.383 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

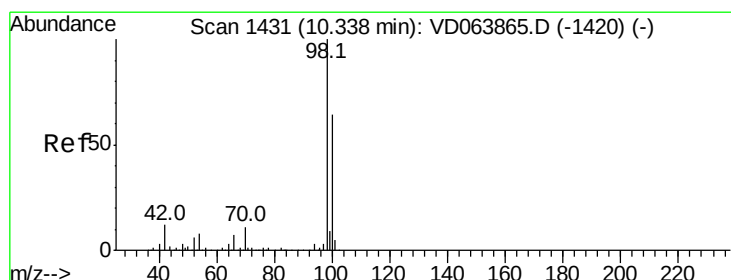
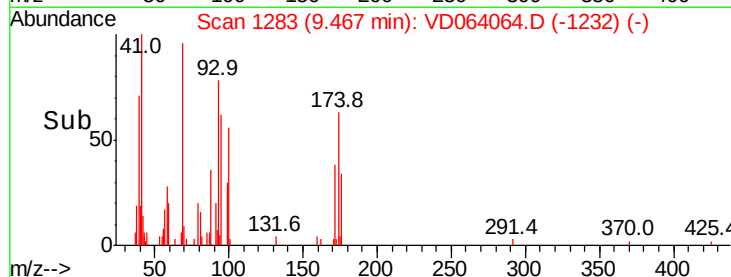
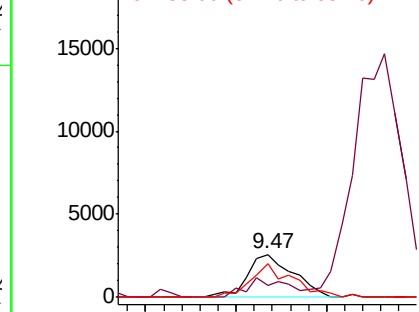
Tot Ion: 88 Resp: 4532
Ion Ratio Lower Upper
88 100
43 38.1 27.6 41.4
58 72.5 54.1 81.1

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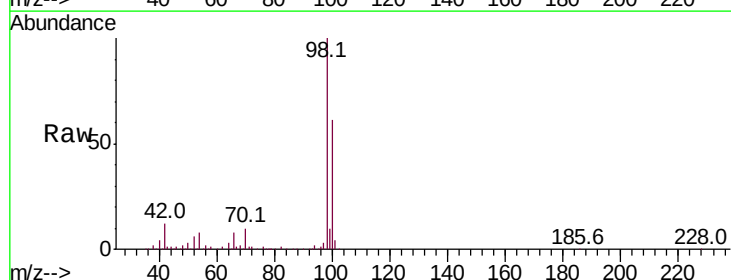


Abundance Ion 88.00 (87.70 to 88.70): VDC
20000 Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

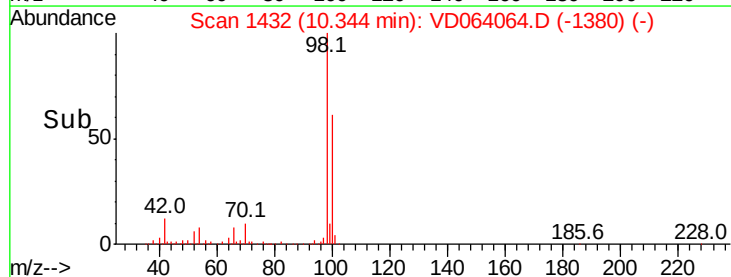
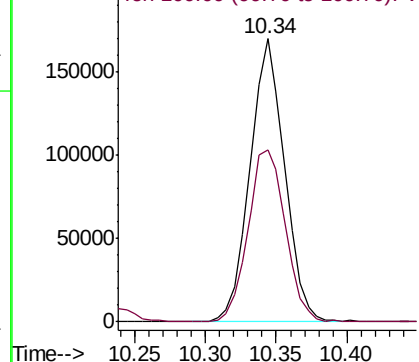


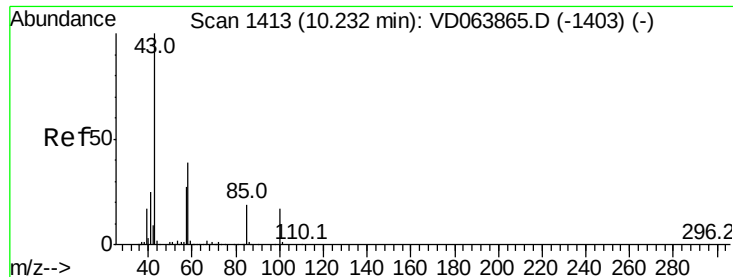
#50
Toluene-d8
Concen: 52.138 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion: 98 Resp: 292166
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1



Abundance Ion 98.00 (97.70 to 98.70): VDC
200000 Ion 100.00 (99.70 to 100.70): VDC





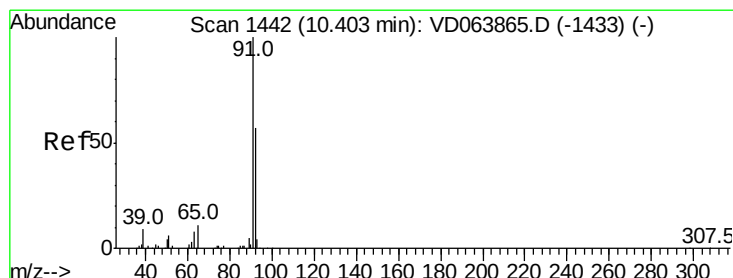
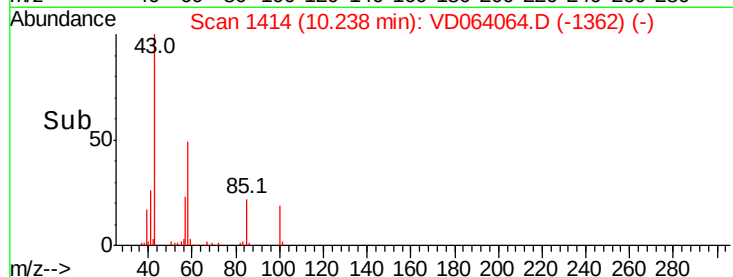
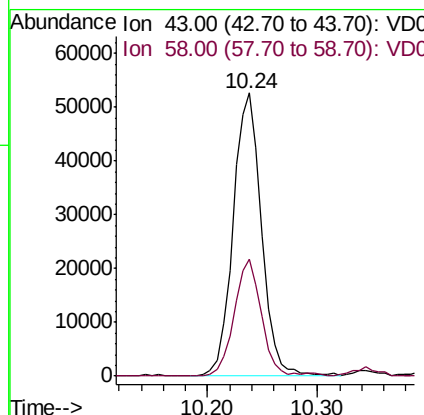
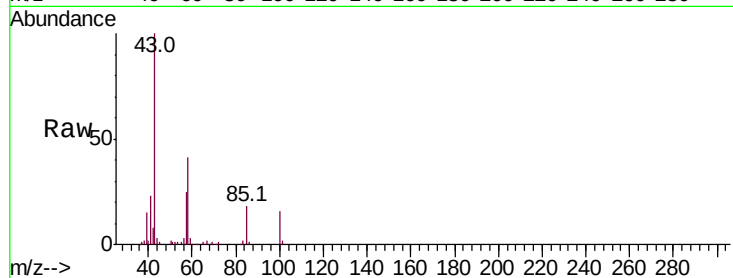
#51
4-Methyl-2-Pentanone
Concen: 105.530 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	33.0	49.4

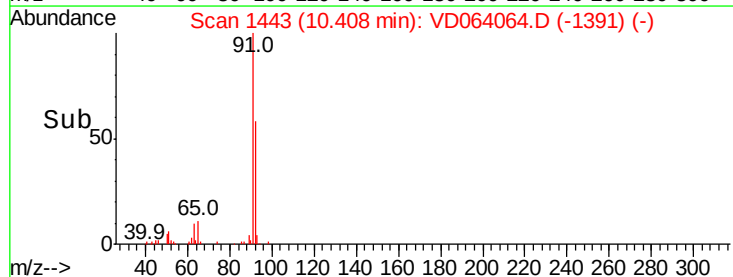
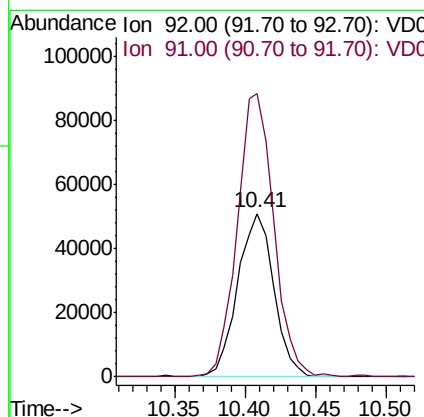
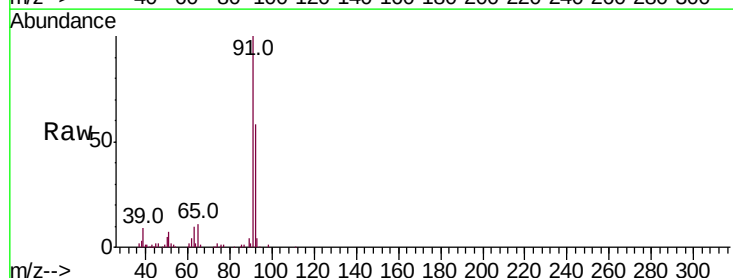
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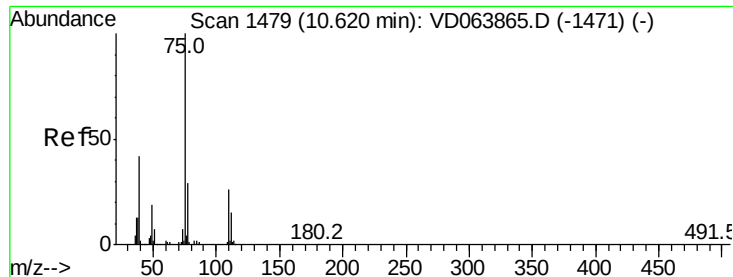
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#52
Toluene
Concen: 22.455 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.5	139.5	209.3





#53

t-1,3-Dichloropropene

Concen: 20.937 ug/l

RT: 10.63 min Scan# 1481

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 75 Resp: 43402

Ion Ratio Lower Upper

75 100

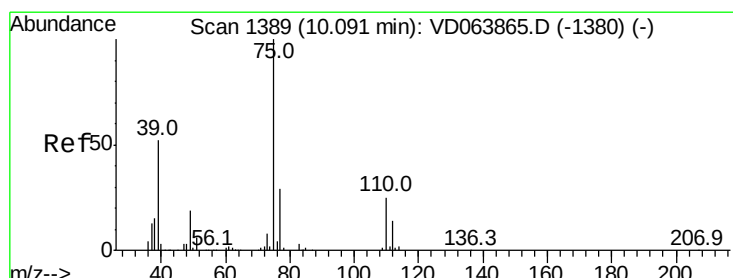
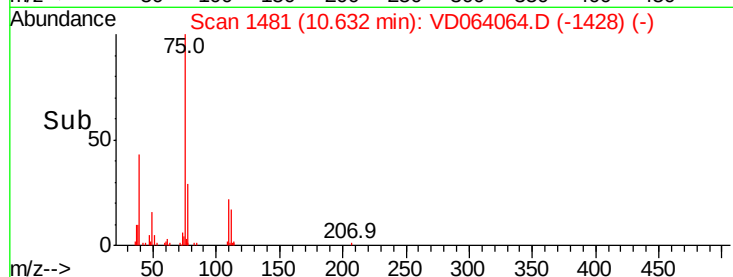
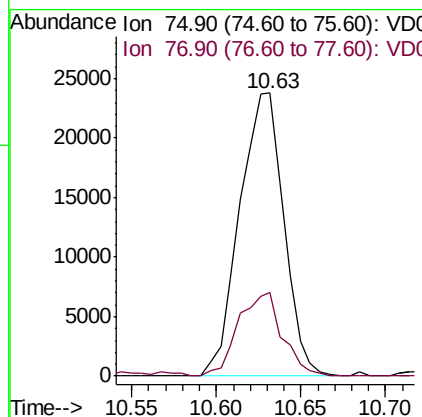
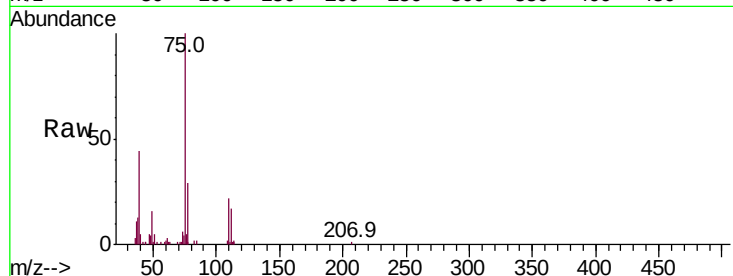
77 29.4 22.8 34.2

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#54

cis-1,3-Dichloropropene

Concen: 21.066 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

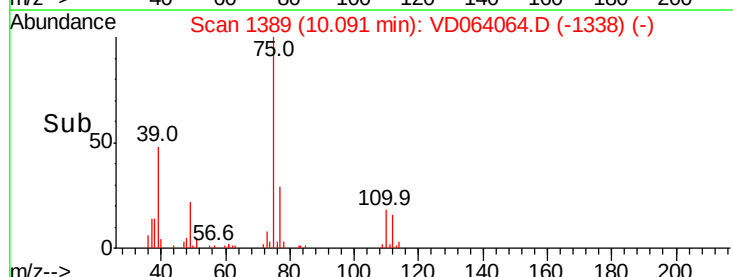
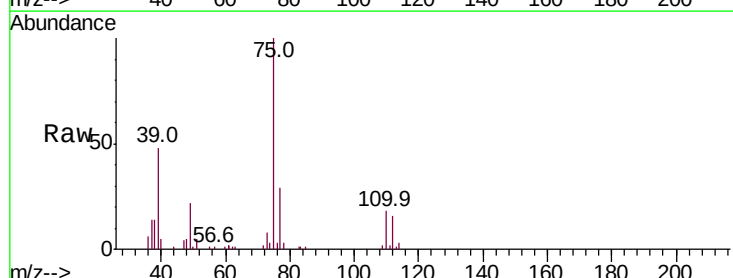
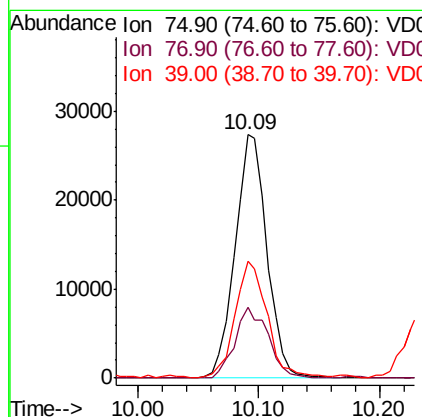
Tgt Ion: 75 Resp: 50268

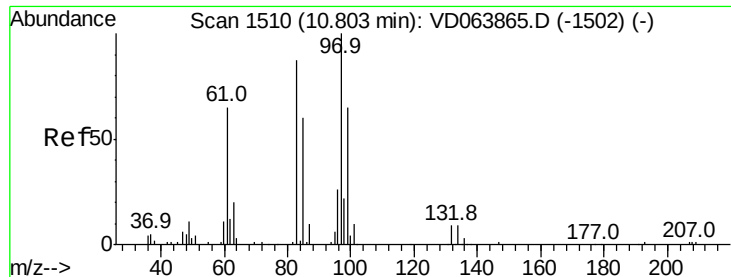
Ion Ratio Lower Upper

75 100

77 29.2 23.2 34.8

39 48.0 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 22.586 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 97 Resp: 26314

Ion	Ratio	Lower	Upper
97	100		
83	82.8	69.7	104.5
85	52.9	48.1	72.1
99	64.7	51.9	77.9

97 100

83 82.8 69.7 104.5

85 52.9 48.1 72.1

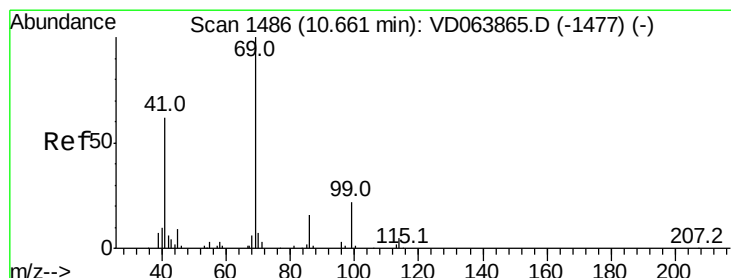
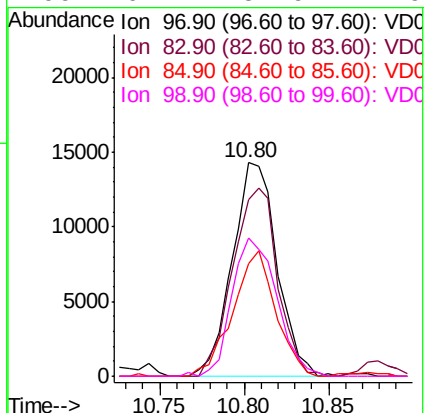
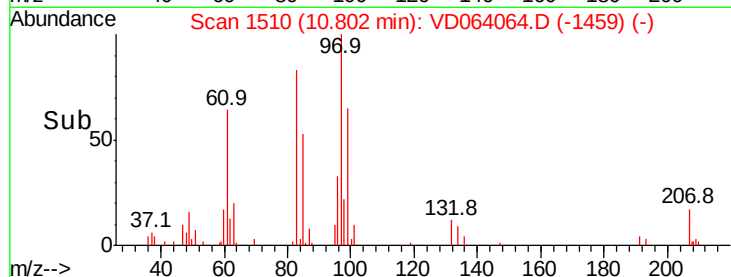
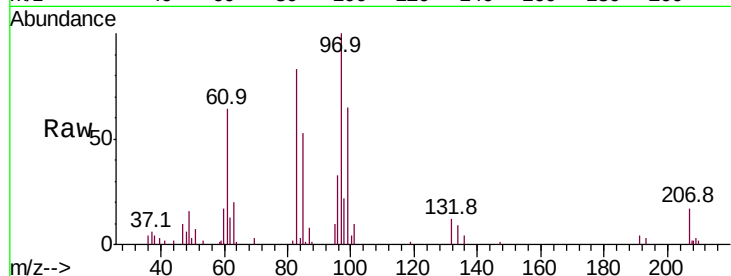
99 64.7 51.9 77.9

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#56

Ethyl methacrylate

Concen: 19.894 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

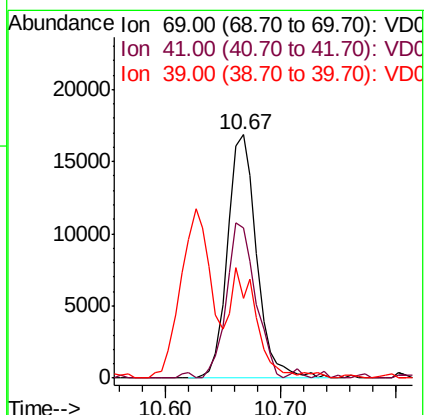
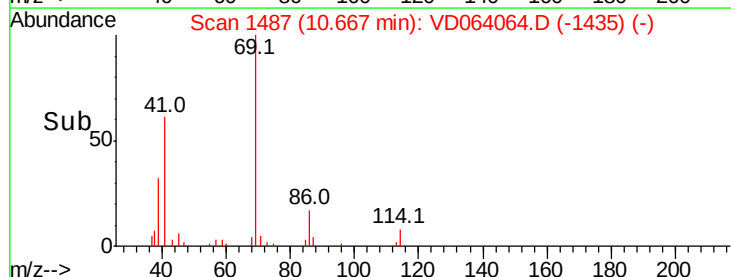
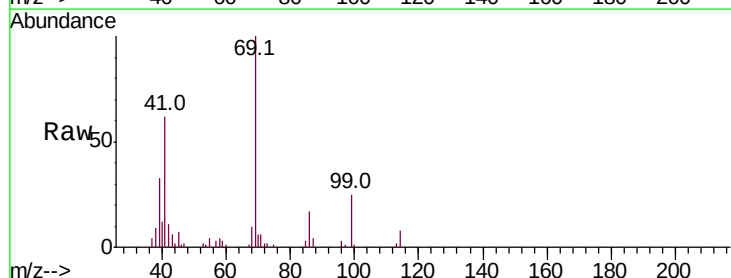
Tgt Ion: 69 Resp: 29350

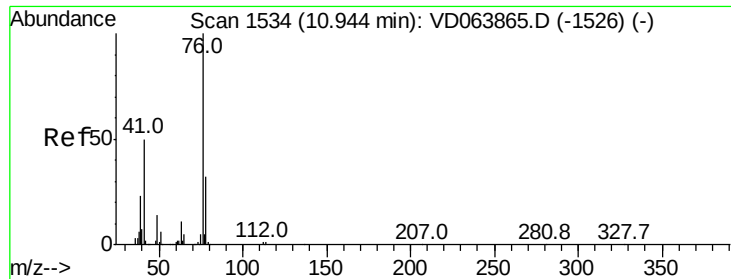
Ion	Ratio	Lower	Upper
69	100		
41	63.4	51.3	76.9
39	37.7	28.0	42.0

69 100

41 63.4 51.3 76.9

39 37.7 28.0 42.0





#57

1,3-Dichloropropane

Concen: 22.321 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D

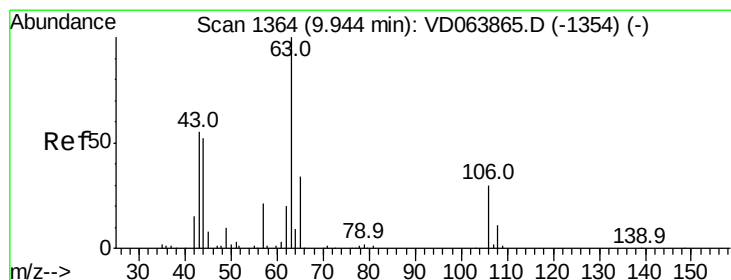
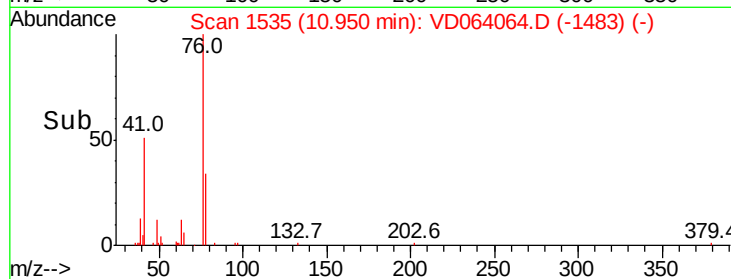
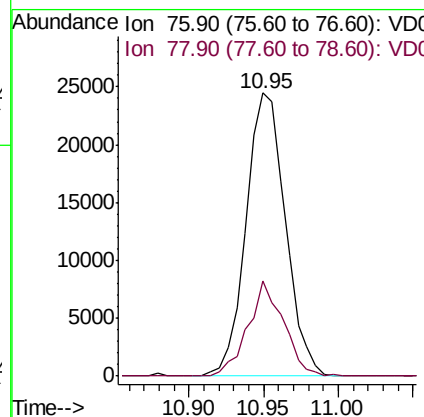
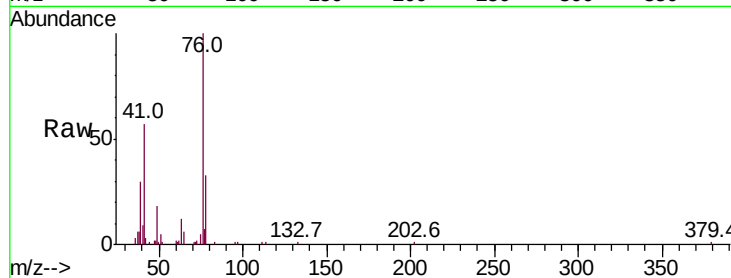
ClientSampleId :
VD1025SBS01

Tot Ion: 76 Resp: 44494

Ion	Ratio	Lower	Upper
76	100		
78	30.4	26.6	40.0

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#58

2-Chloroethyl Vinyl ether

Concen: 104.173 ug/l

RT: 9.95 min Scan# 1365

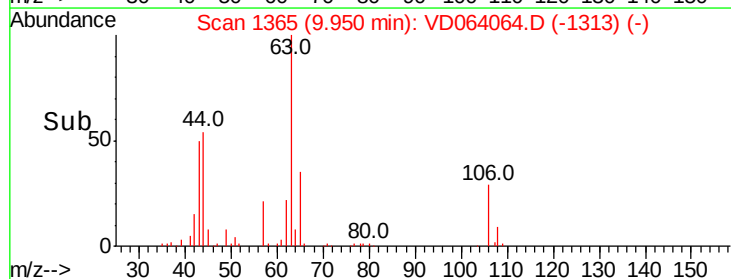
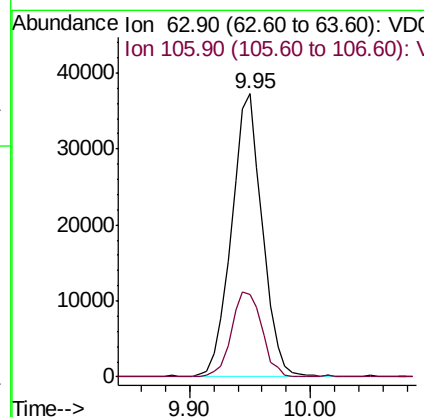
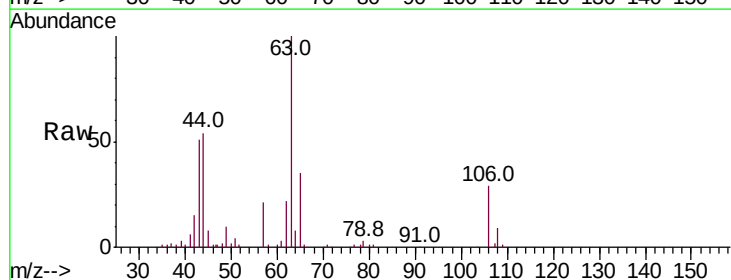
Delta R.T. 0.01 min

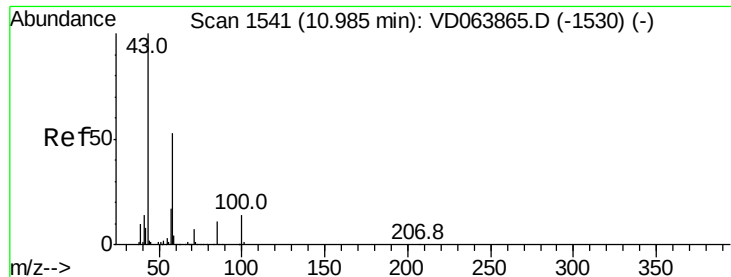
Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Tgt Ion: 63 Resp: 66063

Ion	Ratio	Lower	Upper
63	100		
106	29.6	24.3	36.5





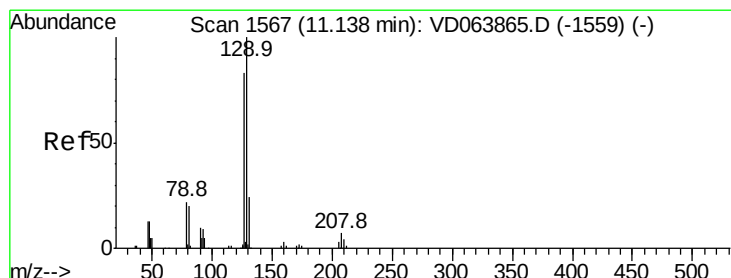
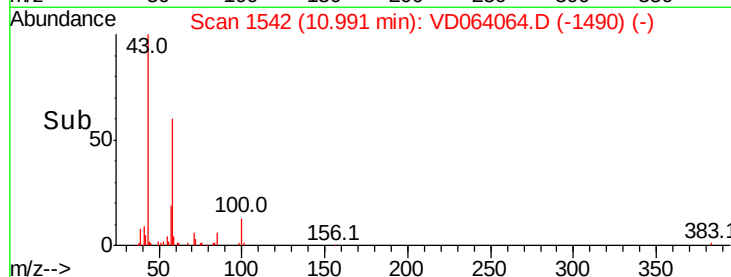
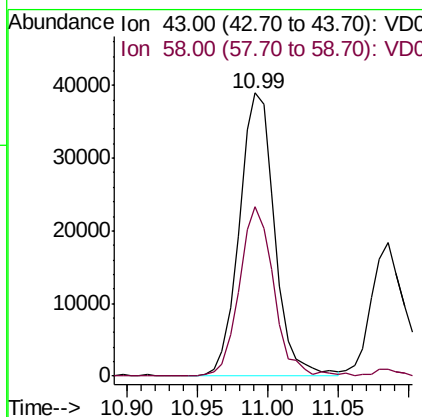
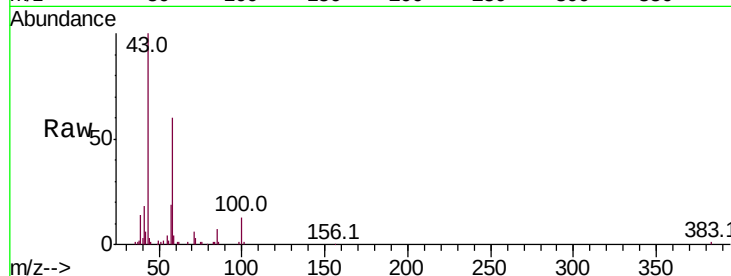
#59
2-Hexanone
Concen: 104.873 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBS01

Tot Ion: 43 Resp: 68153
Ion Ratio Lower Upper
43 100
58 58.5 27.7 83.0

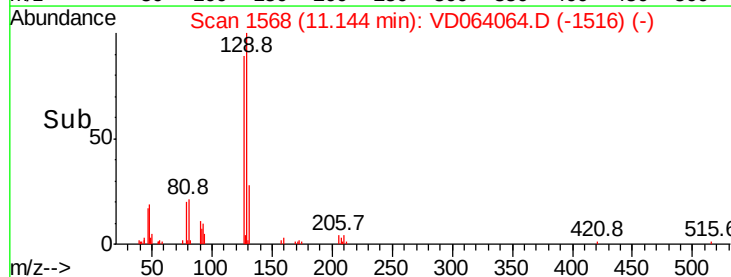
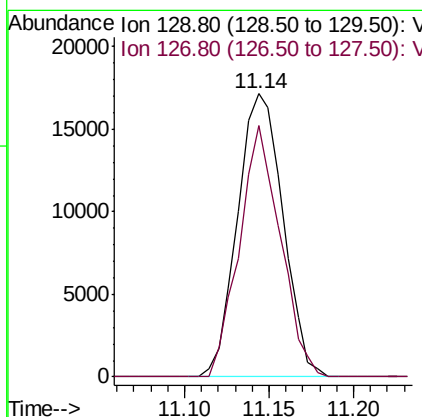
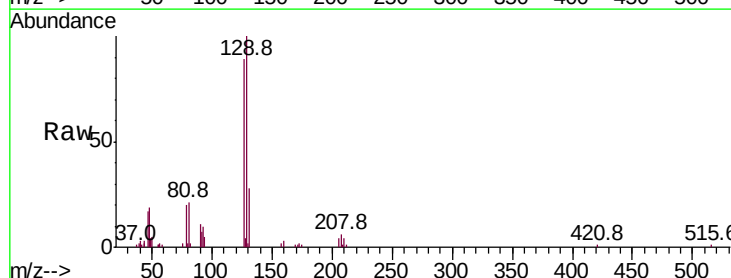
Manual Integrations
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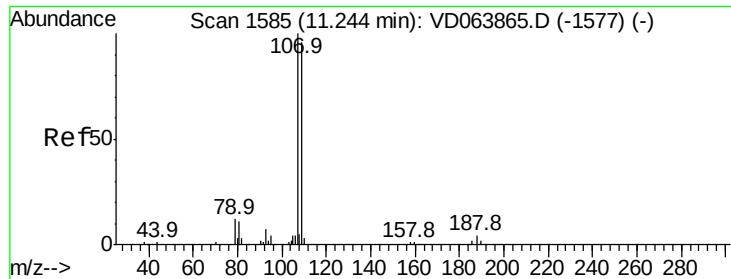
MMDadoda
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#60
Dibromochloromethane
Concen: 21.192 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion: 129 Resp: 32143
Ion Ratio Lower Upper
129 100
127 80.0 39.9 119.6





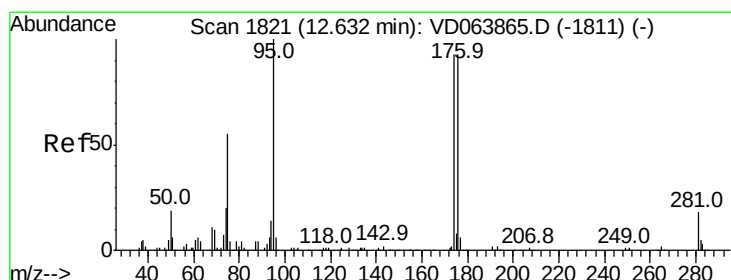
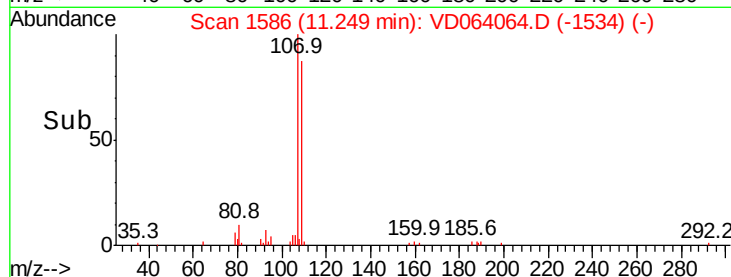
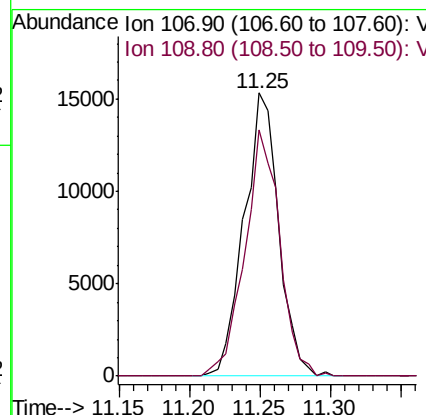
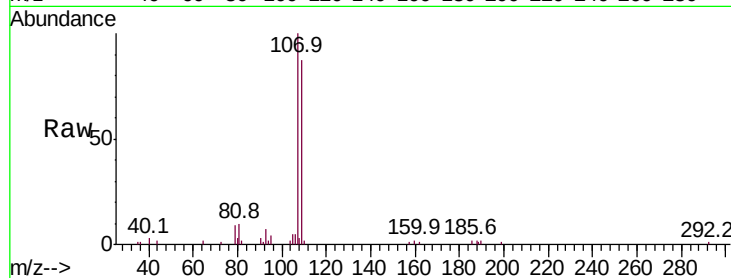
#61
 1,2-Dibromoethane
 Concen: 23.274 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064064.D
 Acq: 25 Oct 2019 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBSD01

Tot Ion:107 Resp: 26287
 Ion Ratio Lower Upper
 107 100
 109 88.0 75.2 112.8

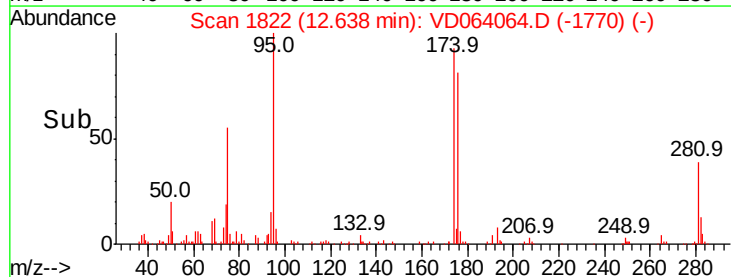
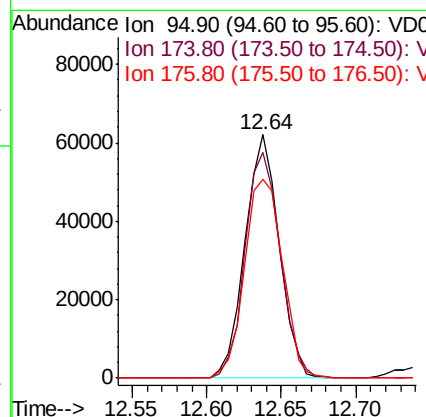
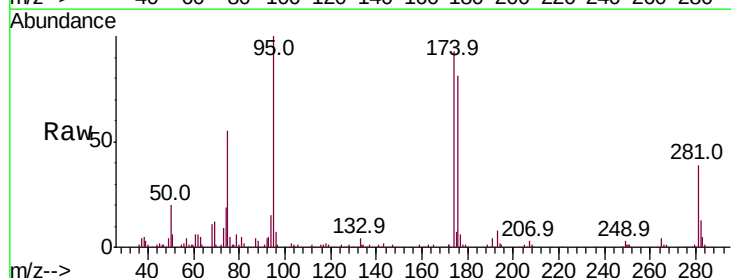
Manual Integrations
 APPROVED

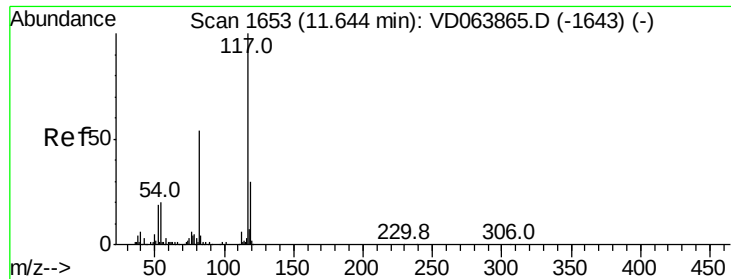
MMDadoda
 10/28/2019 12:39:27 PM



#62
 4-Bromofluorobenzene
 Concen: 50.447 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064064.D
 Acq: 25 Oct 2019 14:40

Tgt Ion: 95 Resp: 98233
 Ion Ratio Lower Upper
 95 100
 174 95.5 0.0 186.4
 176 90.9 0.0 184.2





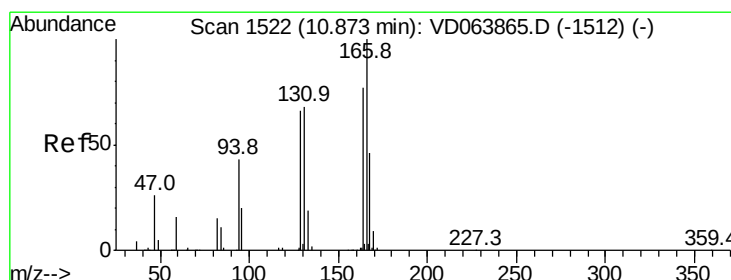
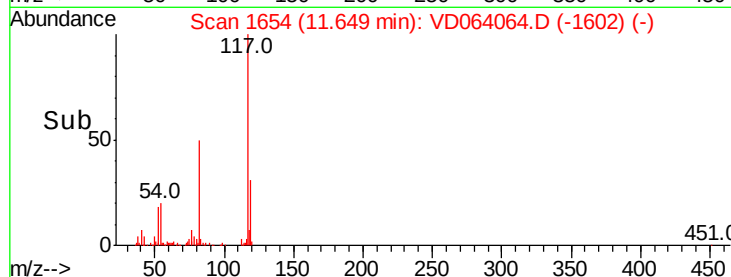
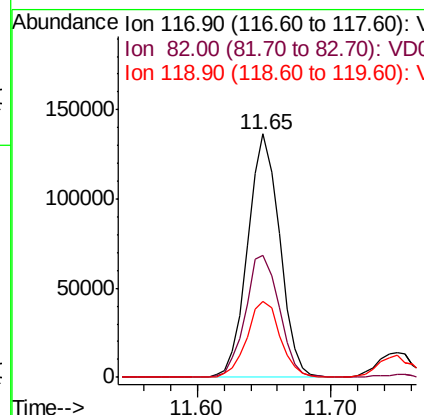
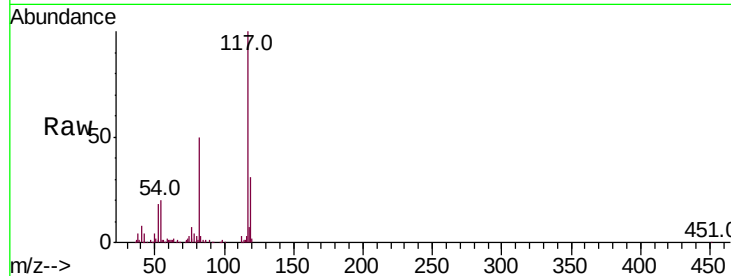
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.2	42.8	64.2
119	30.9	24.4	36.6

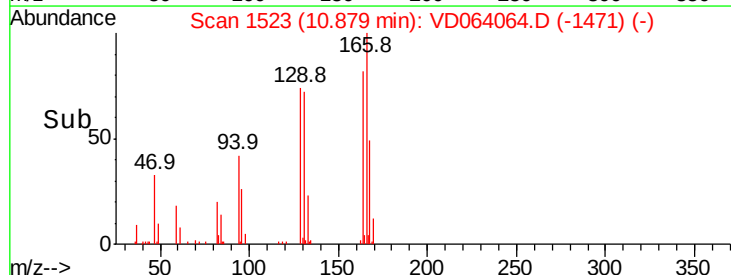
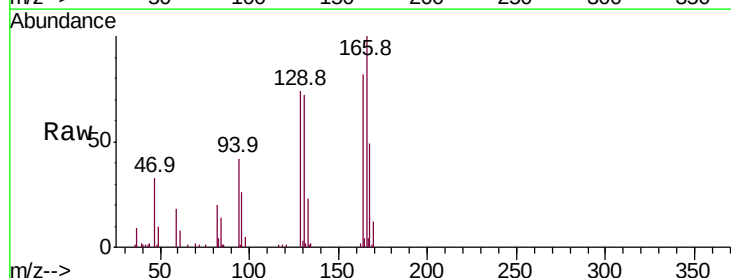
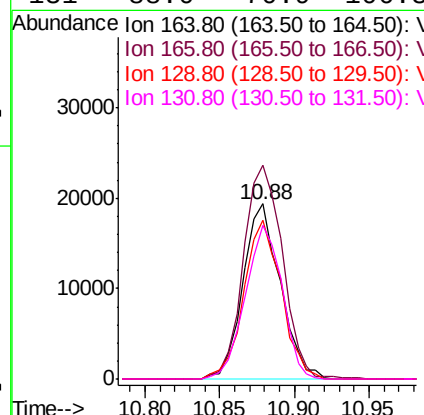
Manual Integrations
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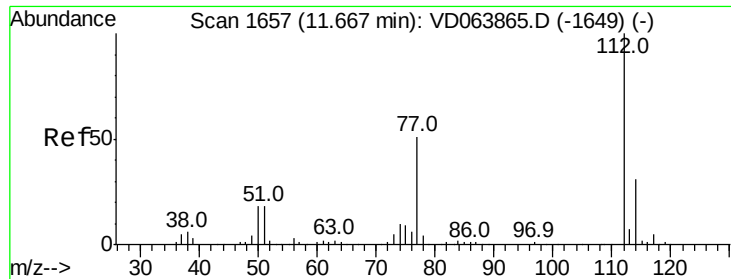
MMDadoda
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#64
Tetrachloroethene
Concen: 21.753 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.2	103.8	155.6
129	90.7	68.9	103.3
131	88.0	70.9	106.3





#65

Chlorobenzene

Concen: 22.502 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBSD01

Tot Ion:112 Resp: 101896

Ion Ratio Lower Upper

112 100

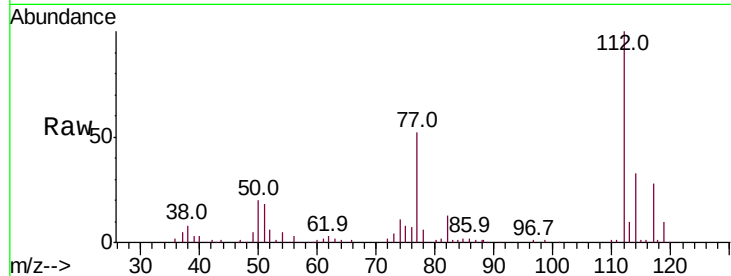
114 32.7 25.1 37.7

Manual Integrations

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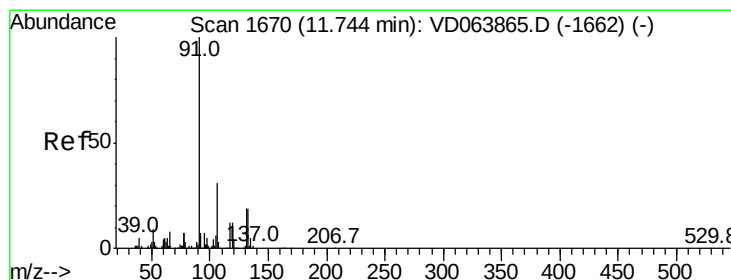
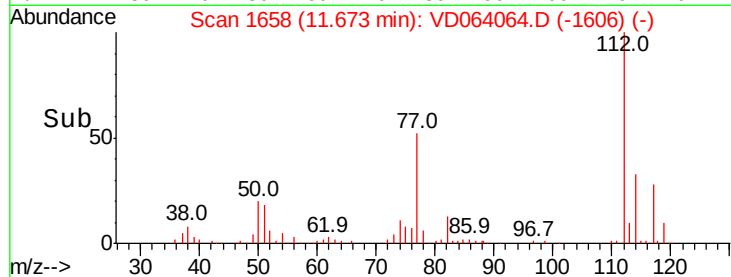
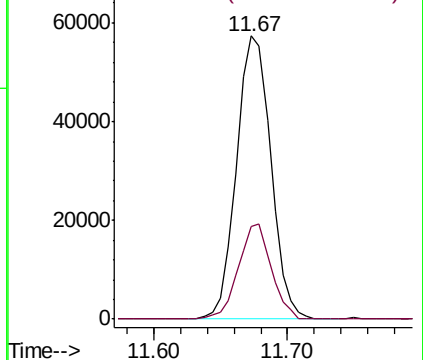
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.825 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

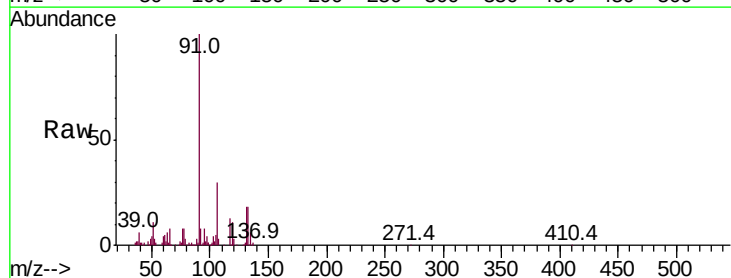
Tgt Ion:131 Resp: 34748

Ion Ratio Lower Upper

131 100

133 92.2 48.9 146.7

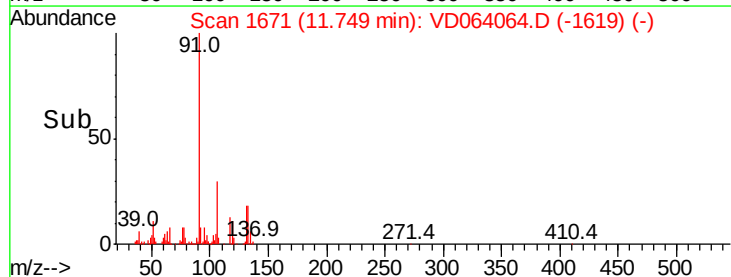
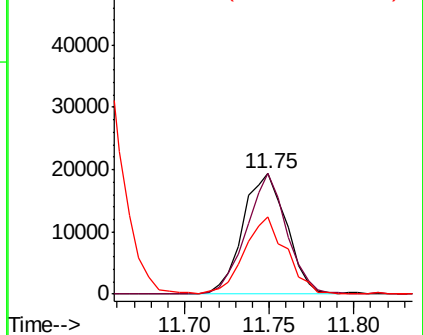
119 61.5 32.6 97.8

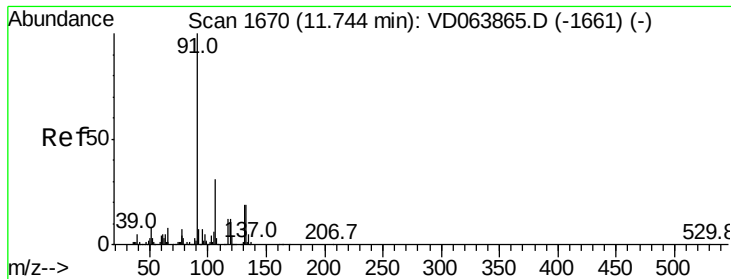


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 21.855 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 91 Resp: 178454

Ion Ratio Lower Upper

91 100

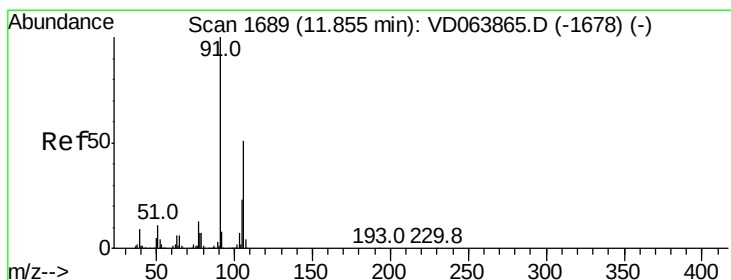
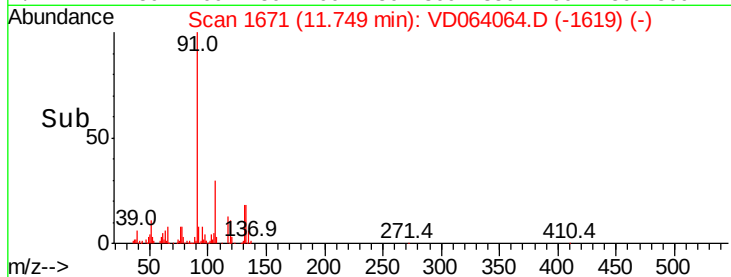
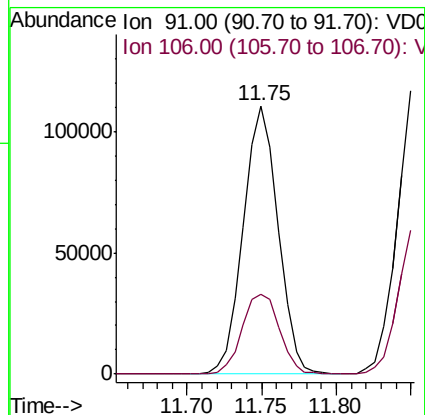
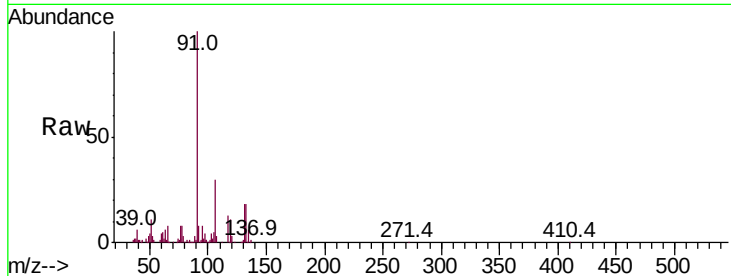
106 29.6 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 45.026 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064064.D

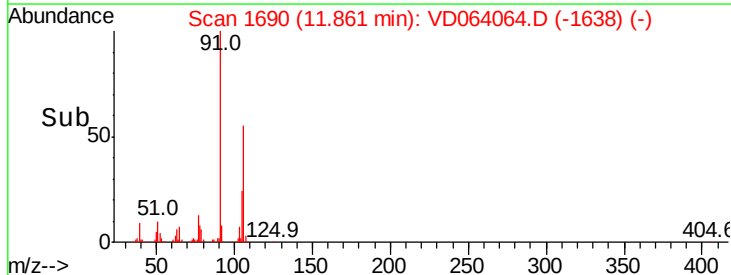
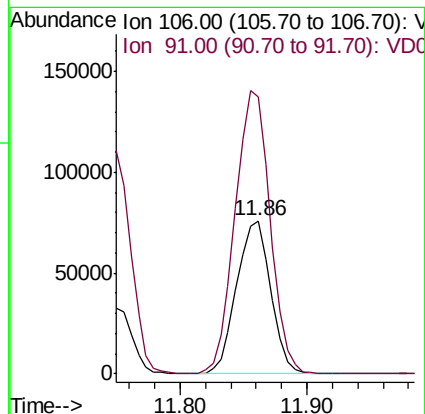
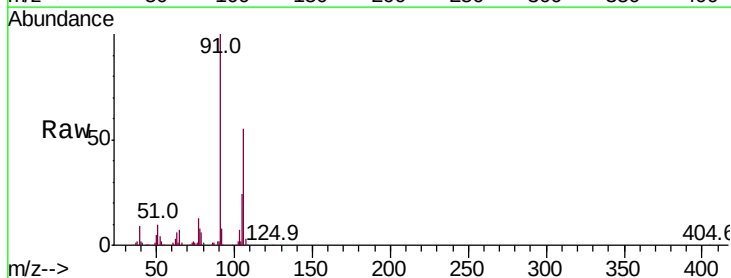
Acq: 25 Oct 2019 14:40

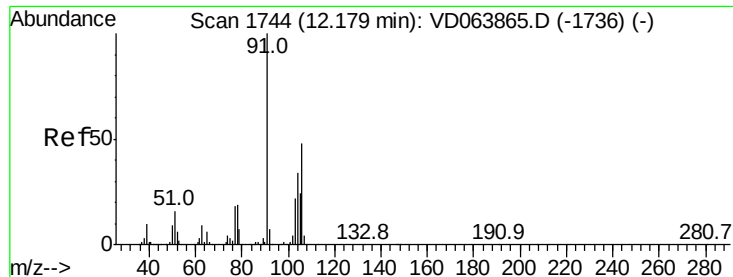
Tgt Ion: 106 Resp: 141909

Ion Ratio Lower Upper

106 100

91 190.1 154.8 232.2





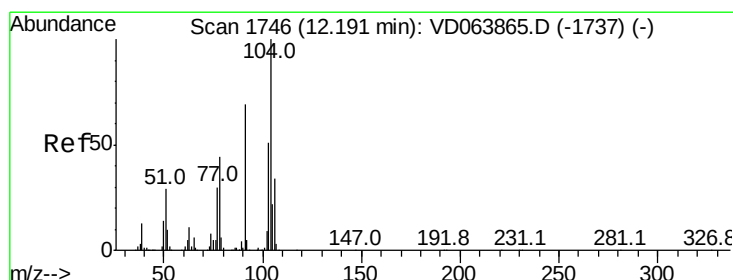
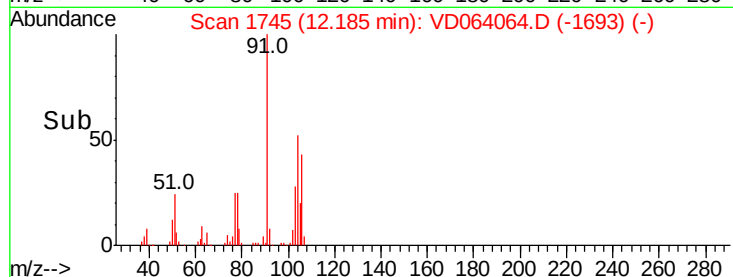
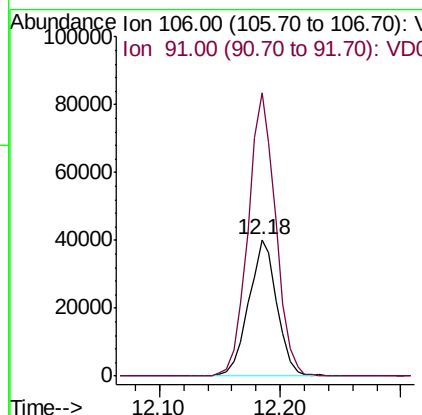
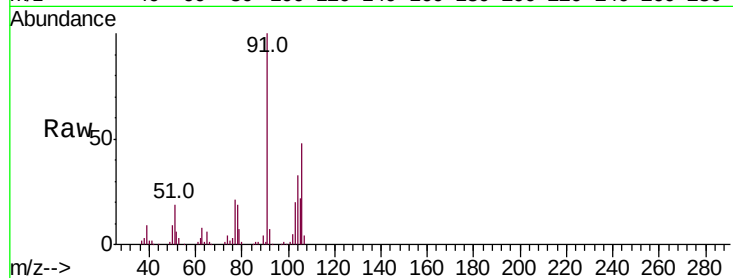
#69
o-Xylene
Concen: 21.532 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

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

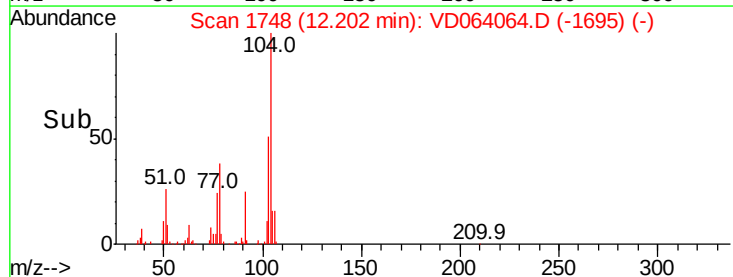
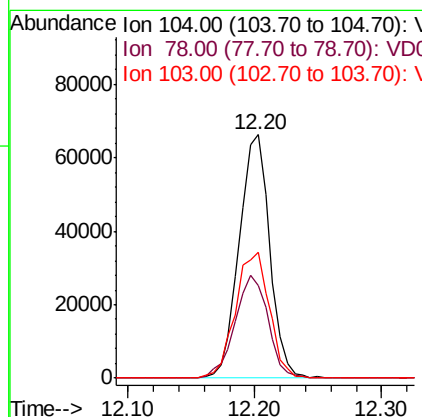
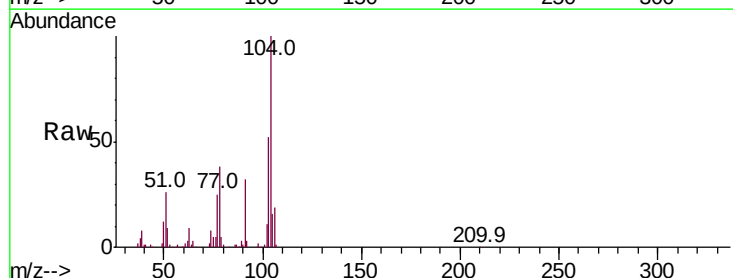
Manual Integrations
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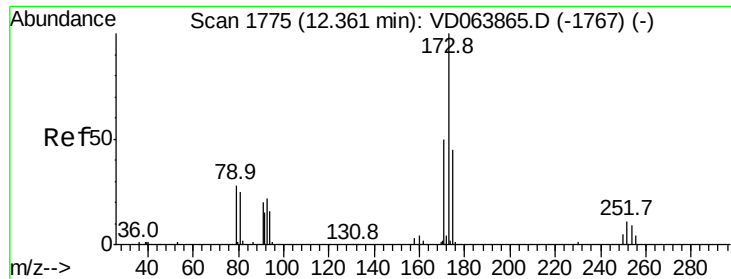
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#70
Styrene
Concen: 21.690 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	45.7	37.0	55.4	
103	57.6	44.2	66.4	





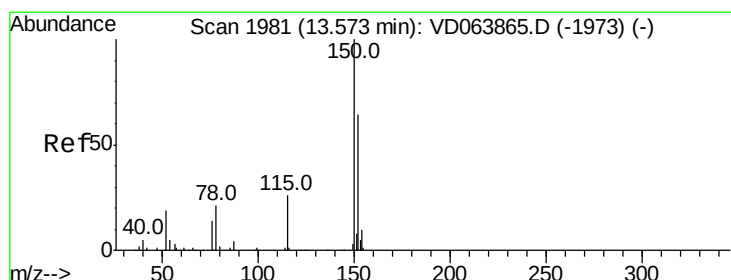
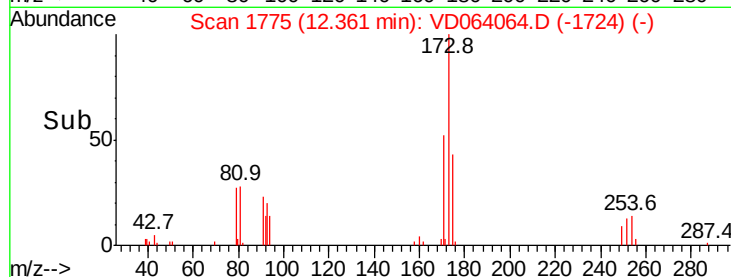
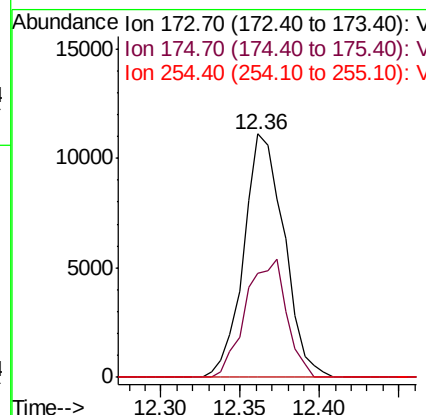
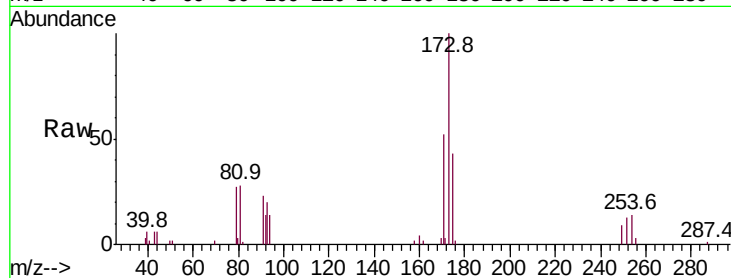
#71
Bromoform
Concen: 21.976 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	74.0
254	0.0	0.0	0.0

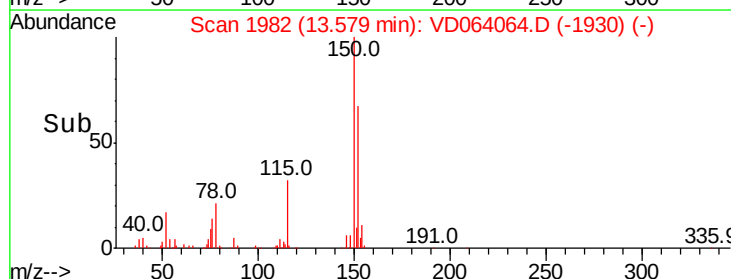
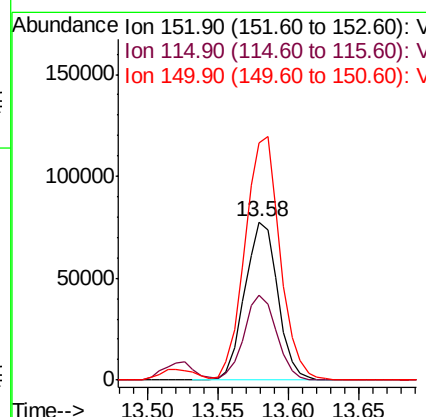
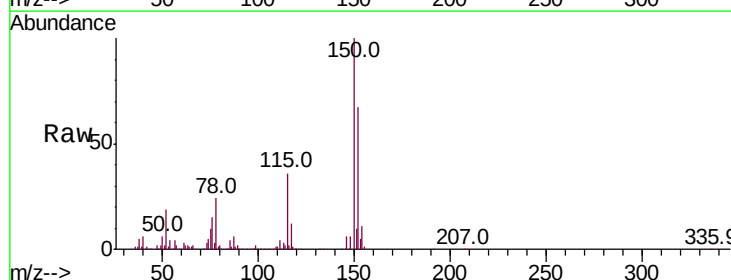
Manual Integrations
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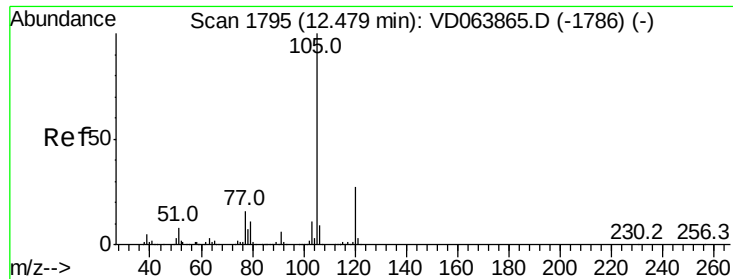
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.2	25.9	77.7
150	164.3	0.0	344.2





#73

Isopropylbenzene

Concen: 20.768 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion:105 Resp: 176946

Ion Ratio Lower Upper

105 100

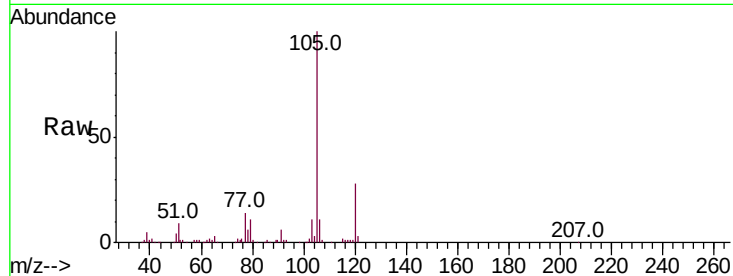
120 26.9 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

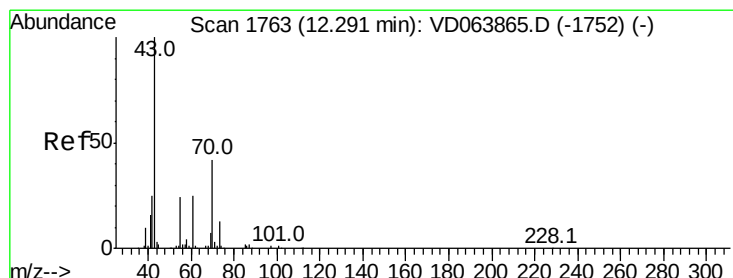
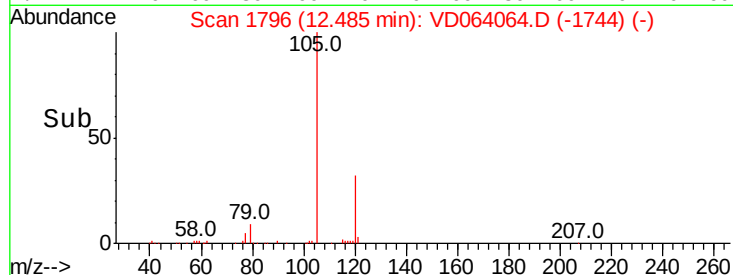
60000

40000

20000

0

Time--> 12.40 12.45 12.50 12.55



#74

N-ethyl acetate

Concen: 18.466 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Tgt Ion: 43 Resp: 33875

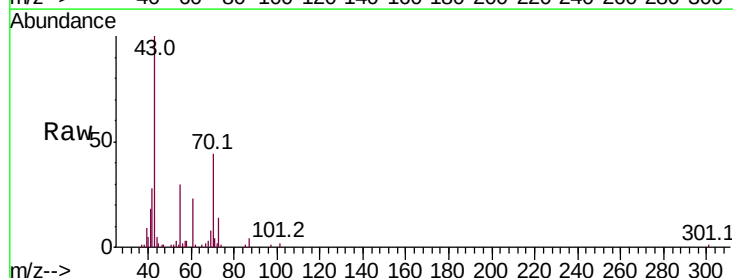
Ion Ratio Lower Upper

43 100

70 47.6 35.8 53.6

55 26.0 19.4 29.0

61 25.6 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

30000

25000

20000

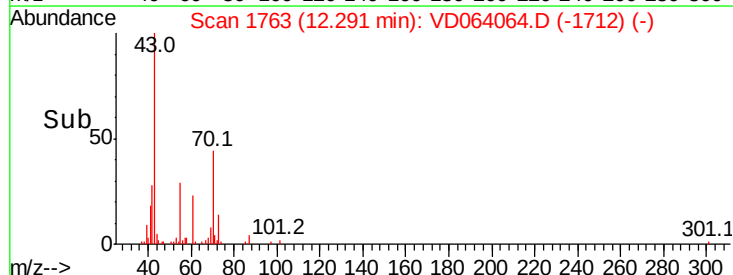
15000

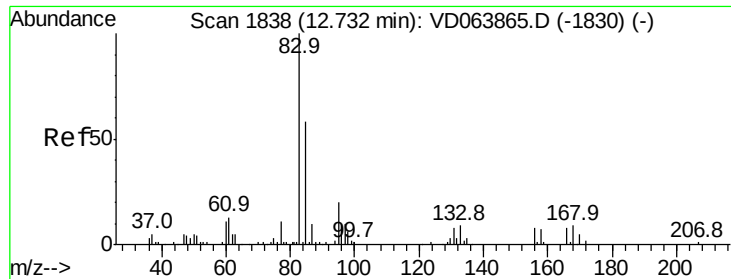
10000

5000

0

Time--> 12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 21.500 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

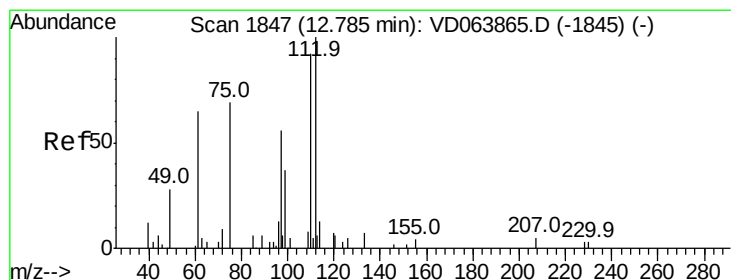
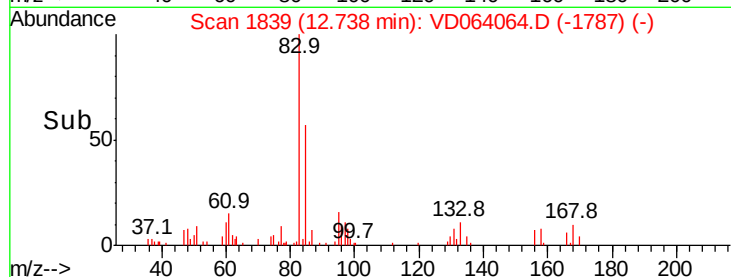
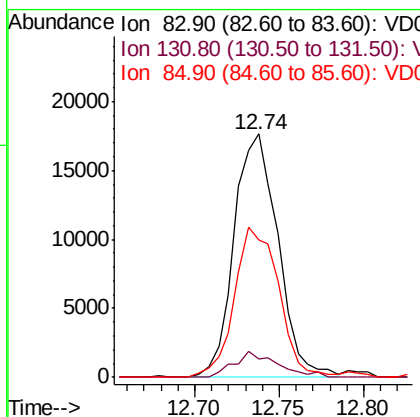
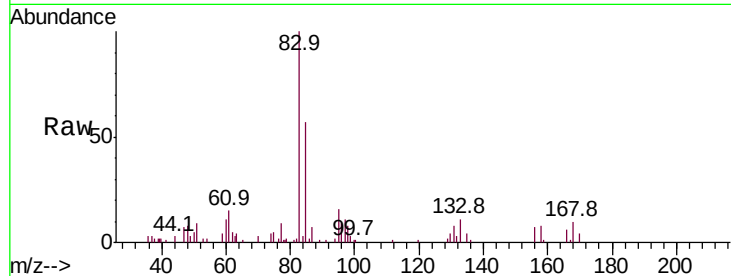
ClientSampleId :

VD1025SBS01

Tot Ion:	83	Resp:	31877
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.6	16.8
85	62.2	32.3	96.8

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 26.143 ug/l m

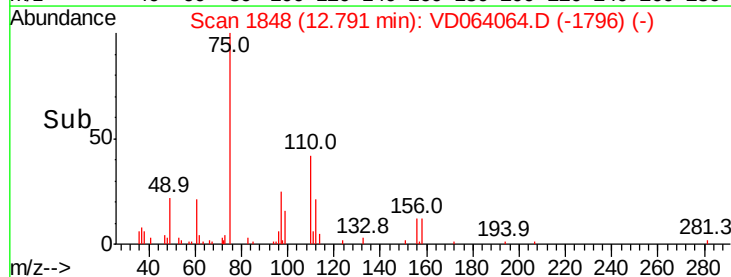
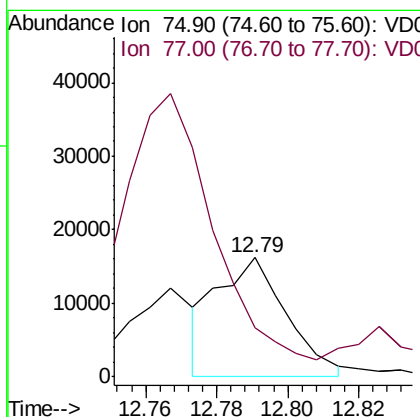
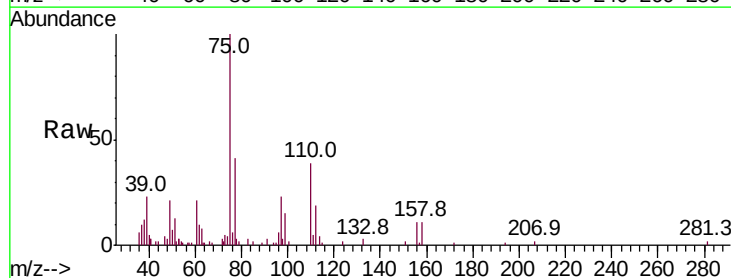
RT: 12.79 min Scan# 1848

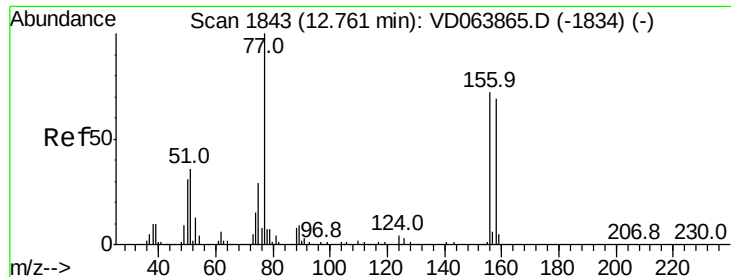
Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Tgt Ion:	75	Resp:	22192
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.335 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion:156 Resp: 43165

Ion Ratio Lower Upper

156 100

77 167.0 80.3 241.0

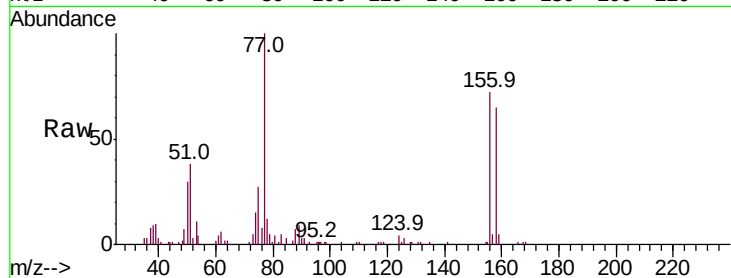
158 95.9 47.4 142.2

Manual Integrations

APPROVED

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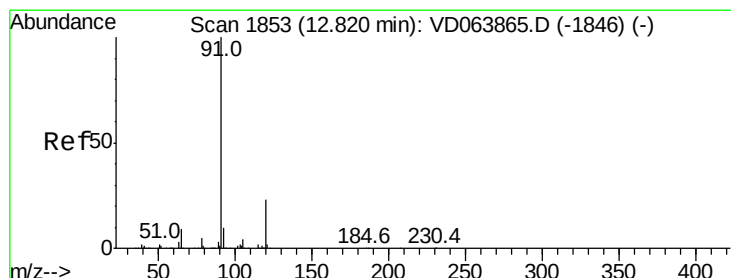
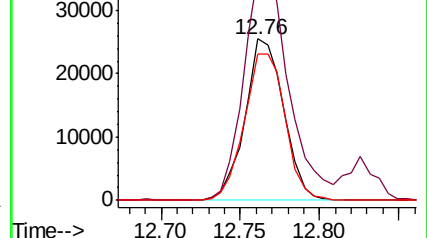
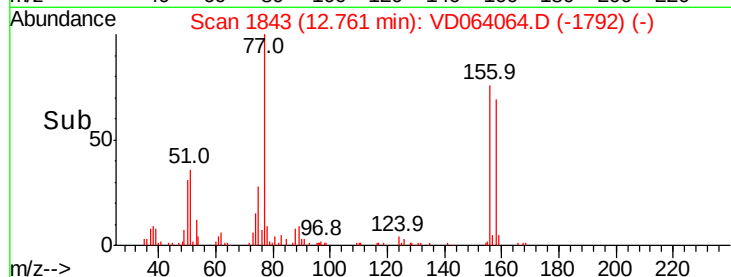
10/28/2019 12:39:27 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.954 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD064064.D

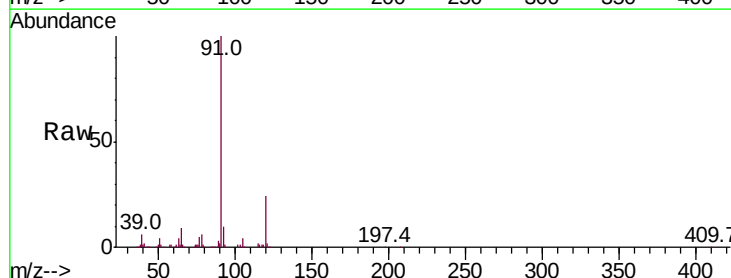
Acq: 25 Oct 2019 14:40

Tgt Ion: 91 Resp: 219563

Ion Ratio Lower Upper

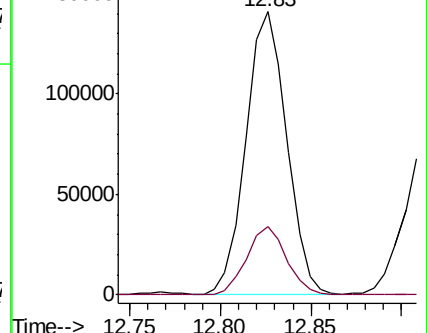
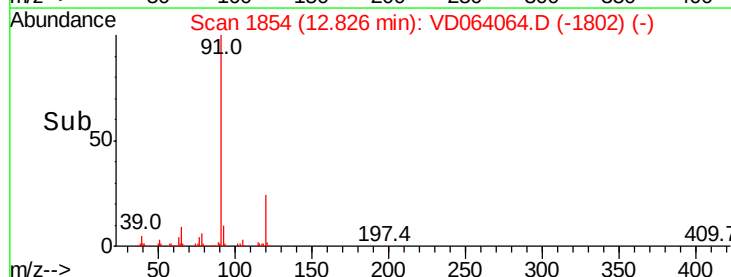
91 100

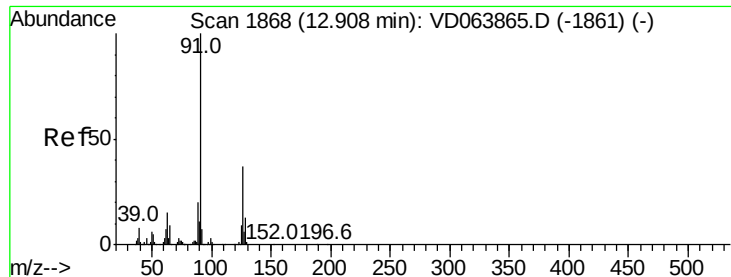
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.109 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 91 Resp: 116406

Ion Ratio Lower Upper

91 100

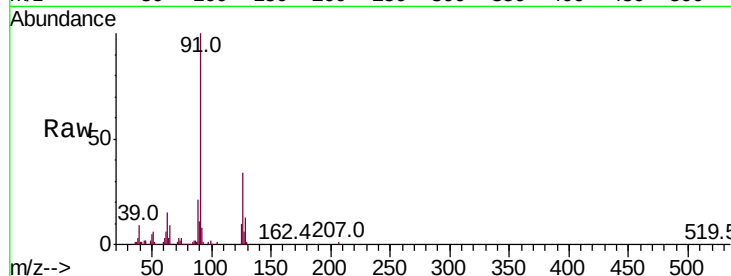
126 35.6 18.4 55.2

Manual Integrations

APPROVED

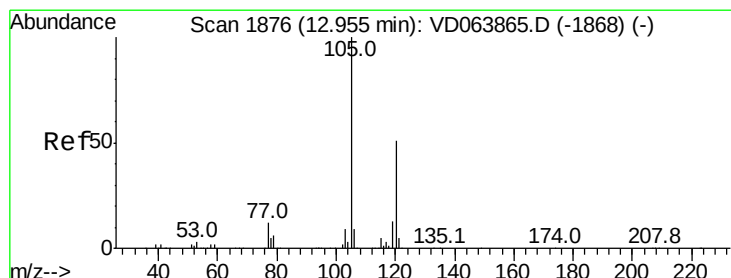
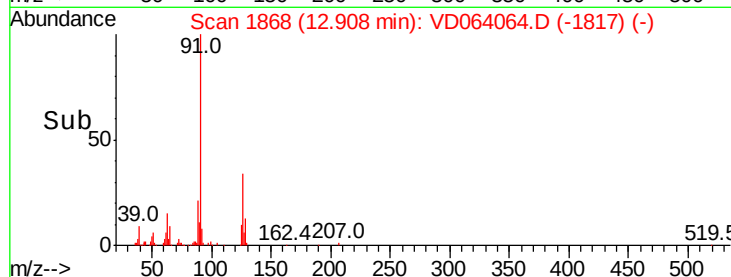
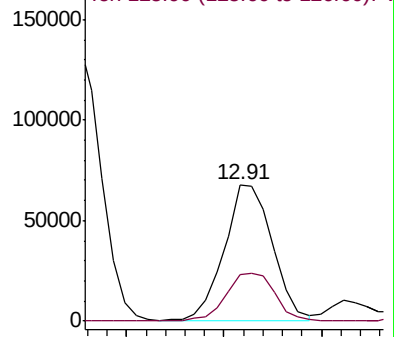
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.677 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064064.D

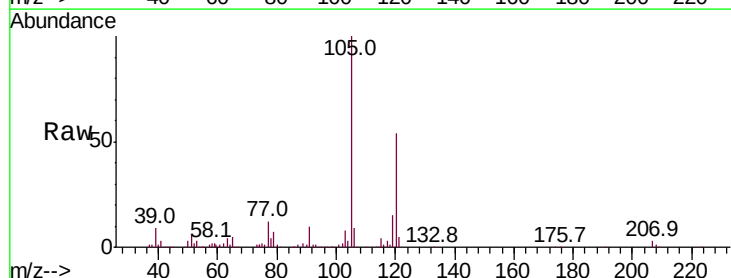
Acq: 25 Oct 2019 14:40

Tgt Ion:105 Resp: 154083

Ion Ratio Lower Upper

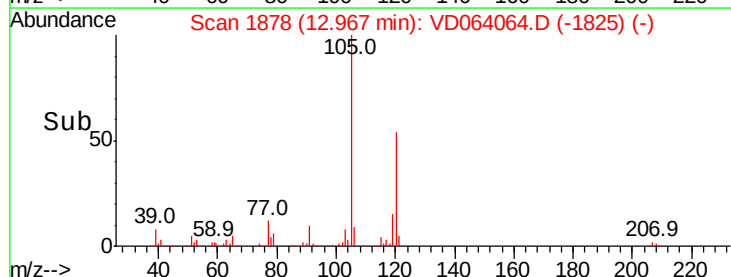
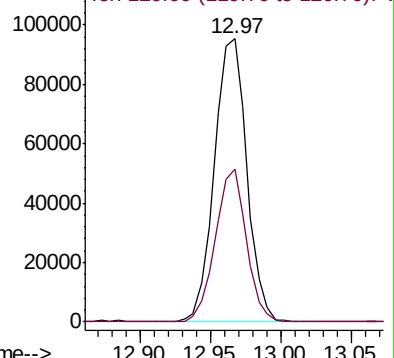
105 100

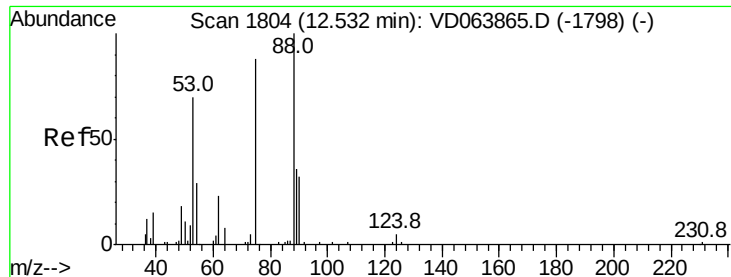
120 51.5 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.866 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleId :

VD1025SBS01

Tot Ion: 75 Resp: 9050

Ion Ratio Lower Upper

75 100

53 100.8 75.0 112.6

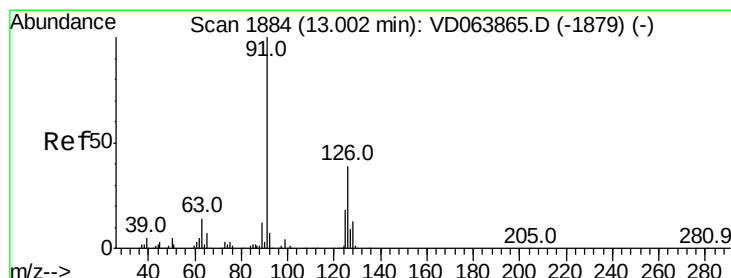
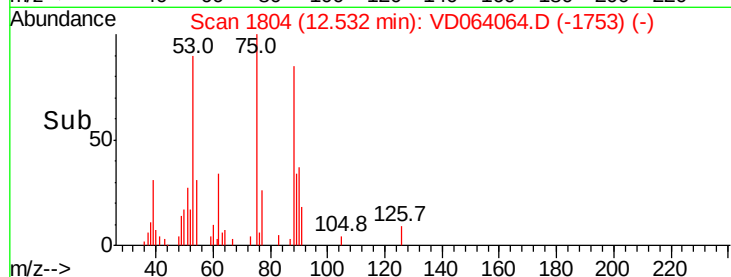
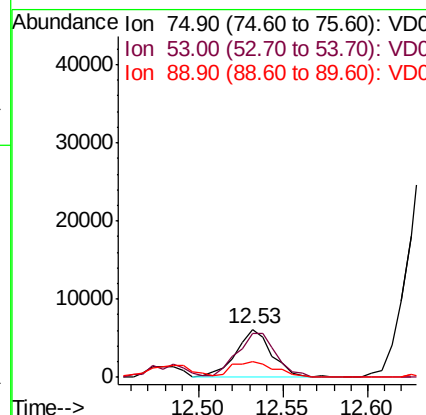
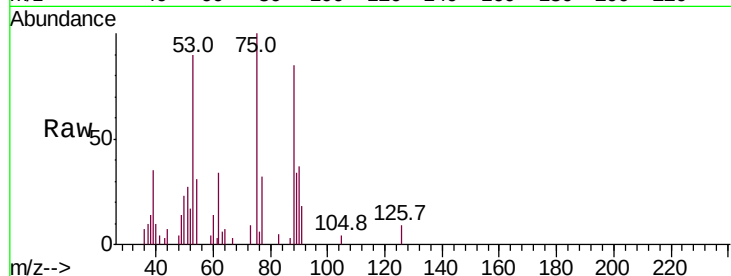
89 40.1 38.2 57.4

Manual Integrations

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#82

4-Chlorotoluene

Concen: 21.485 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064064.D

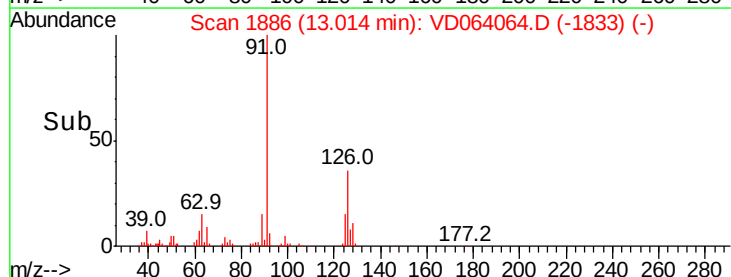
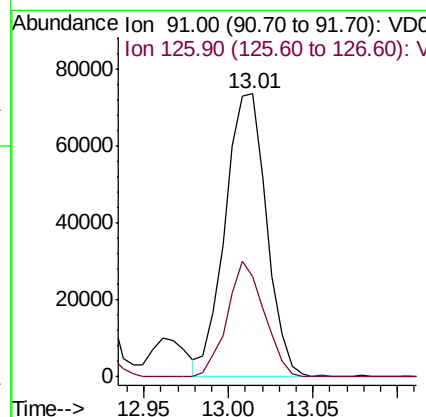
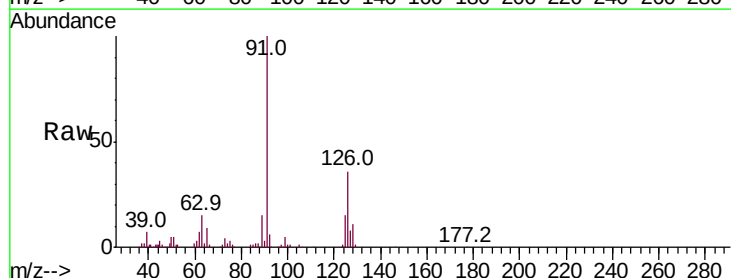
Acq: 25 Oct 2019 14:40

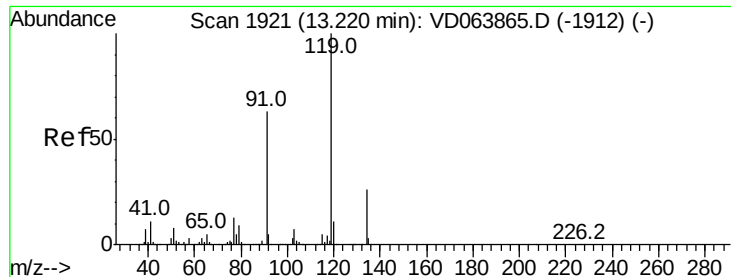
Tgt Ion: 91 Resp: 125680

Ion Ratio Lower Upper

91 100

126 36.5 18.6 55.8





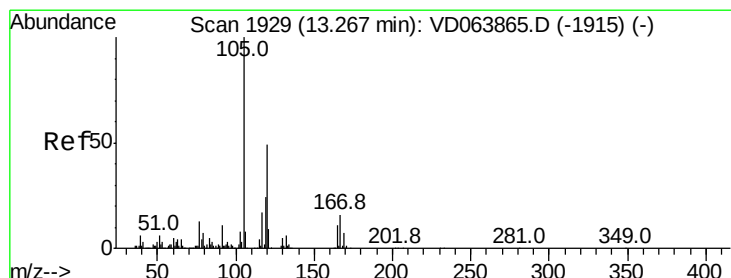
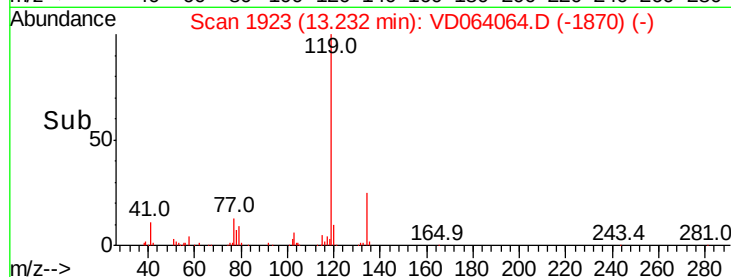
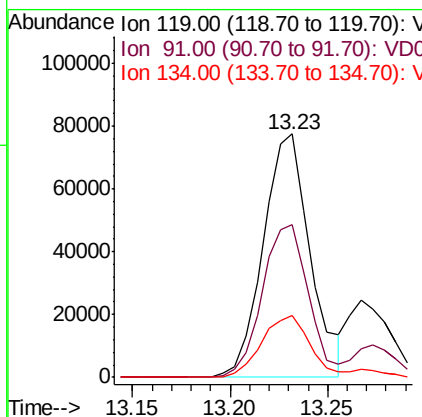
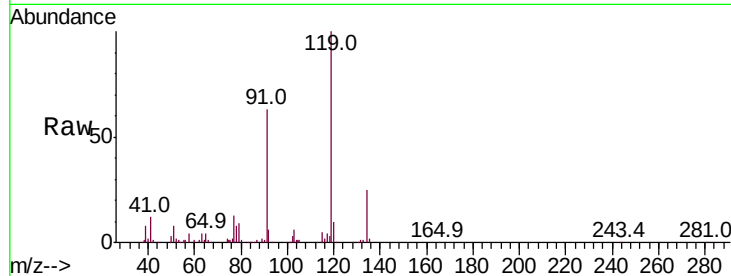
#83
tert-Butylbenzene
Concen: 20.443 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Instrument :
MSVOA_D
ClientSampleId :
VD1025SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	129324		
91	61.6	30.0	90.0	
134	26.3	13.0	38.9	

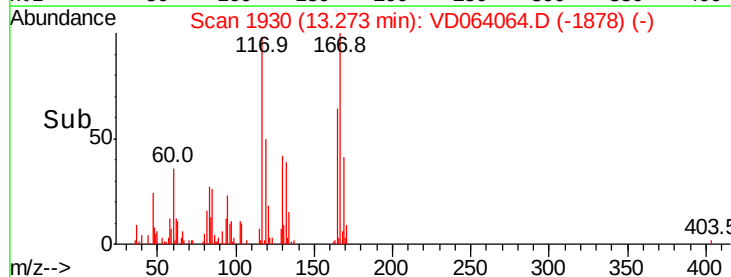
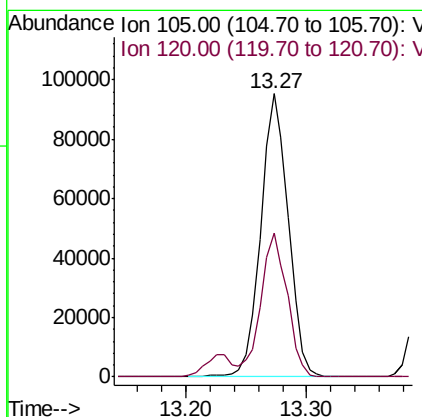
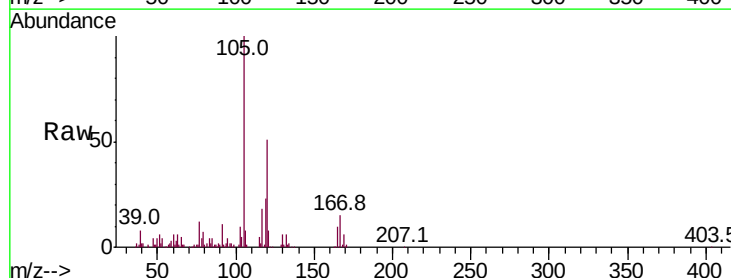
Manual Integrations
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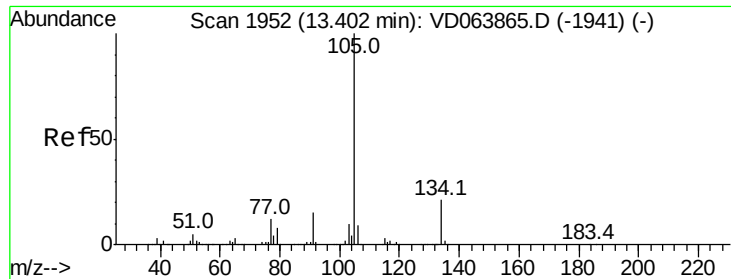
MMDadoda
10/28/2019 12:39:27 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.453 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD064064.D
Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	149881		
120	48.6	23.8	71.5	





#85

sec-Butylbenzene

Concen: 21.962 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

ClientSampleID :

VD1025SBS01

Tot Ion:105 Resp: 187627

Ion Ratio Lower Upper

105 100

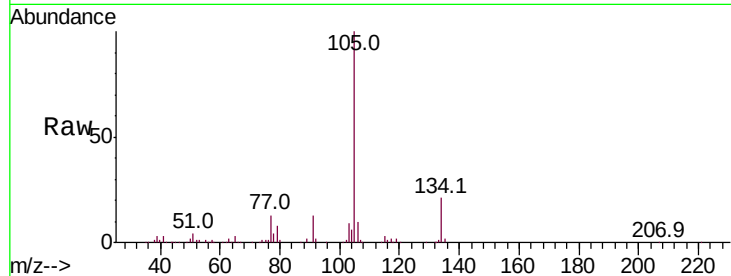
134 21.4 10.6 31.8

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

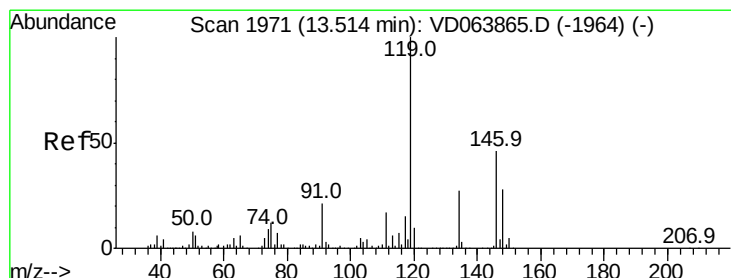
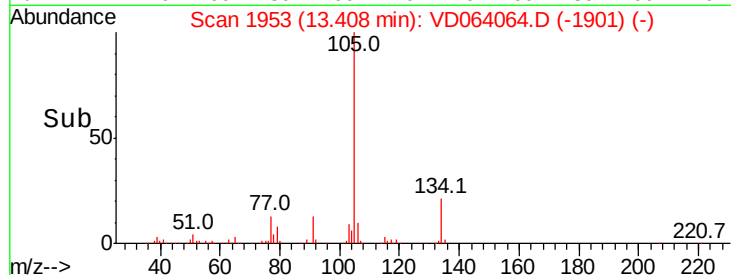
13.41

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.958 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

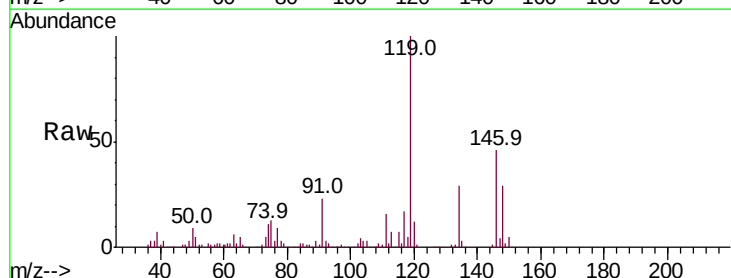
Tgt Ion:119 Resp: 169424

Ion Ratio Lower Upper

119 100

134 26.9 13.9 41.6

91 22.2 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

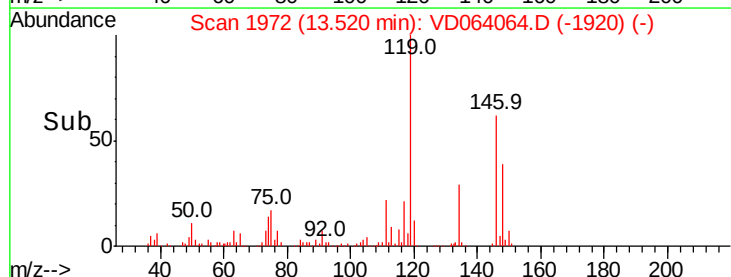
150000

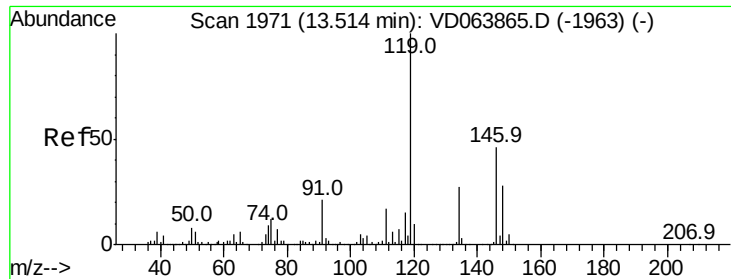
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.931 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

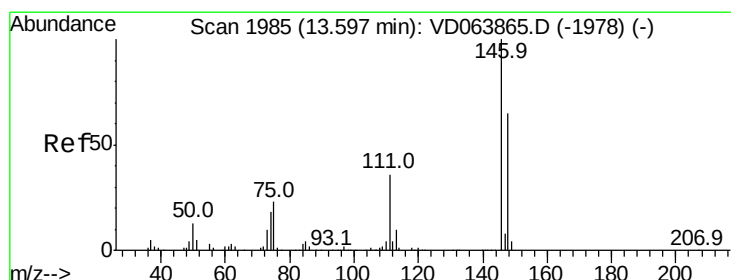
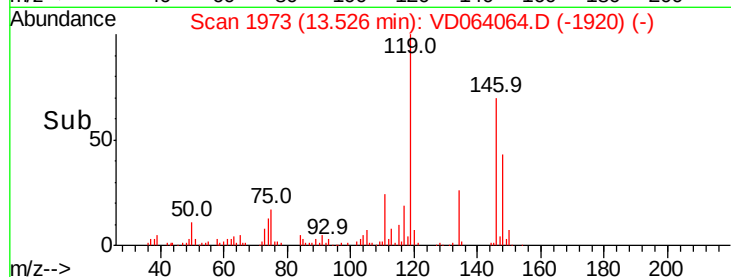
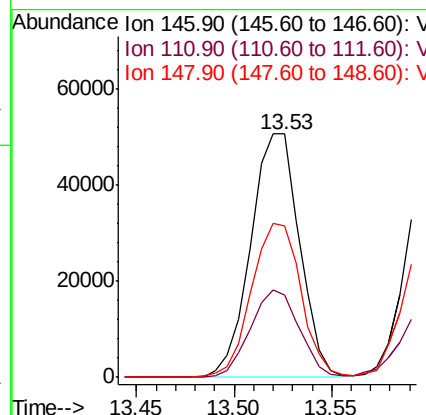
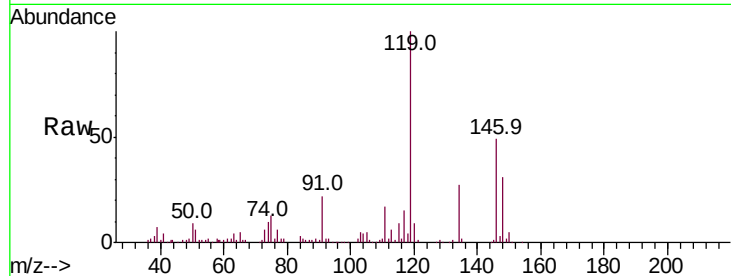
Instrument :
MSVOA_D

ClientSampleId :
VD1025SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.3	54.9
148	64.2	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.345 ug/l

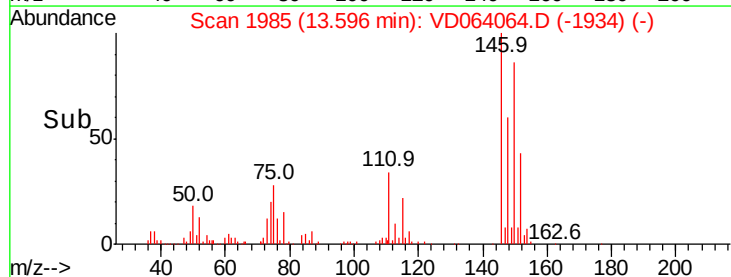
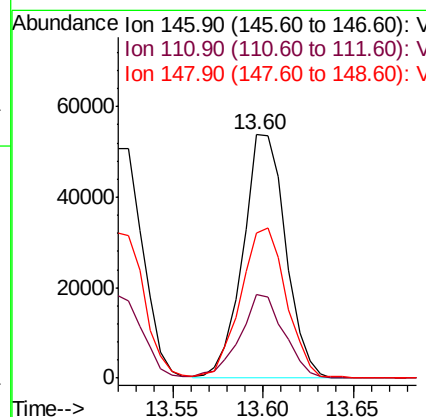
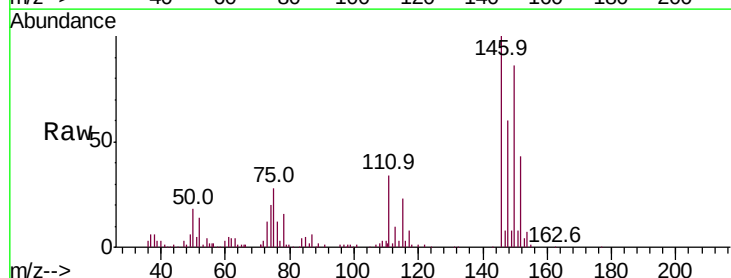
RT: 13.60 min Scan# 1985

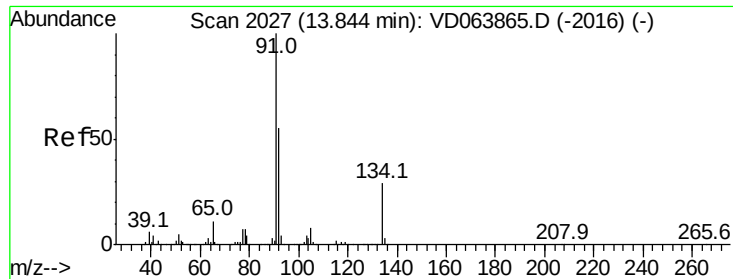
Delta R.T. -0.00 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.6	56.0
148	65.8	32.6	98.0





#89

n-Butylbenzene

Concen: 21.880 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

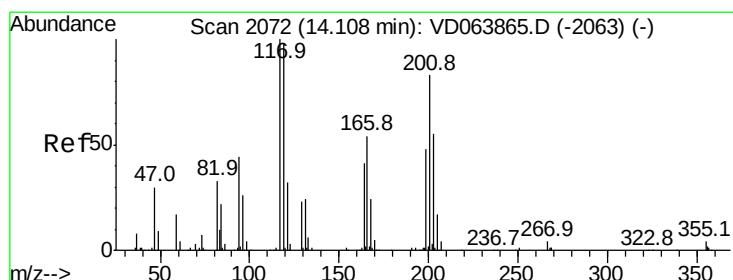
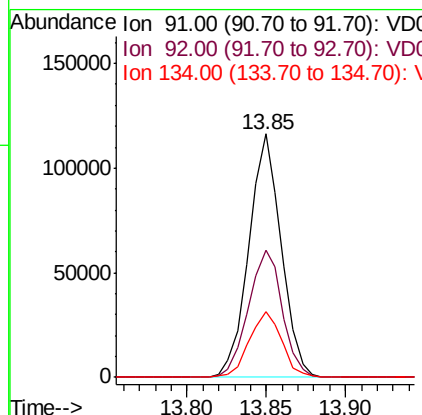
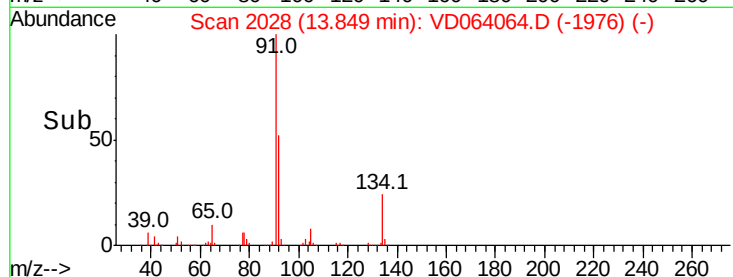
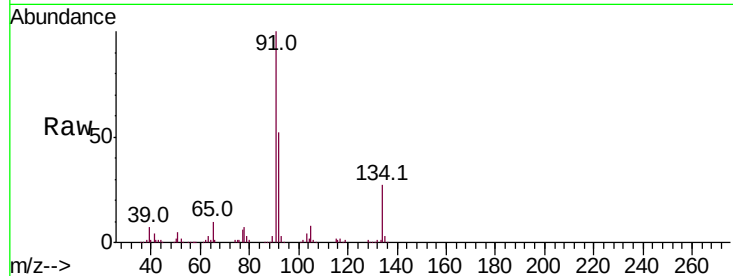
ClientSampleId :

VD1025SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.9	26.8	80.3
134	27.0	14.4	43.0

Manual Integrations
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#90

Hexachloroethane

Concen: 21.300 ug/l

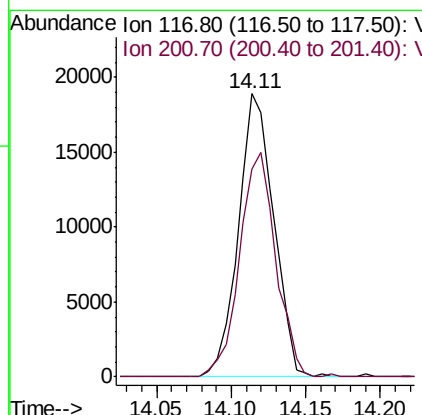
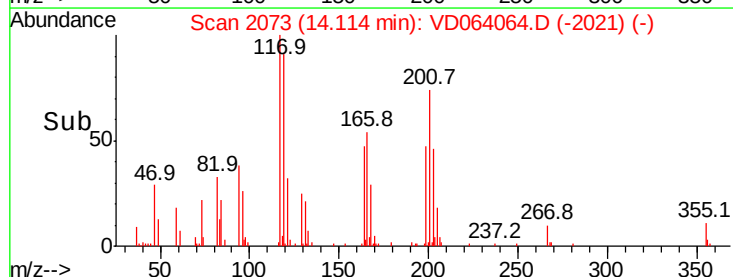
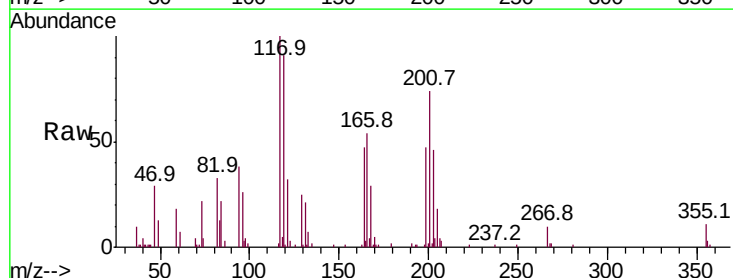
RT: 14.11 min Scan# 2073

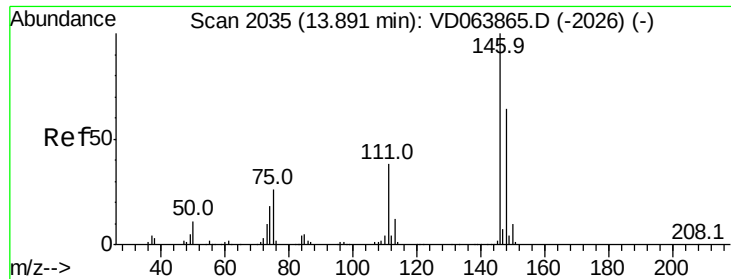
Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	40.6	121.7





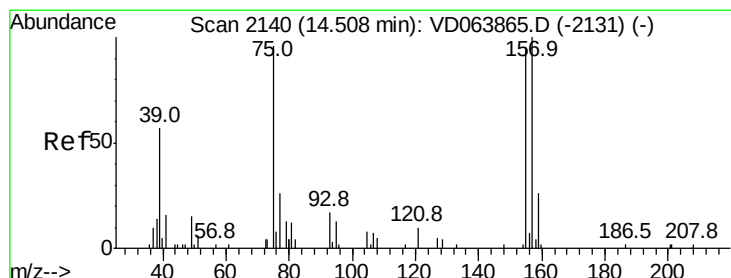
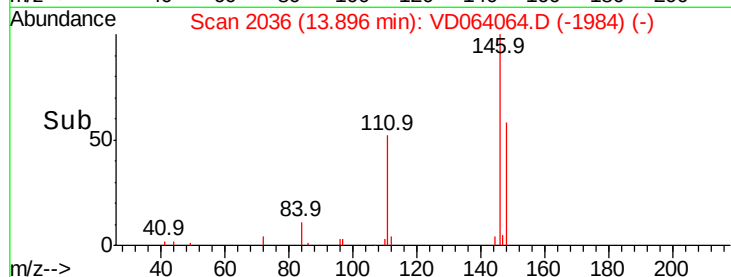
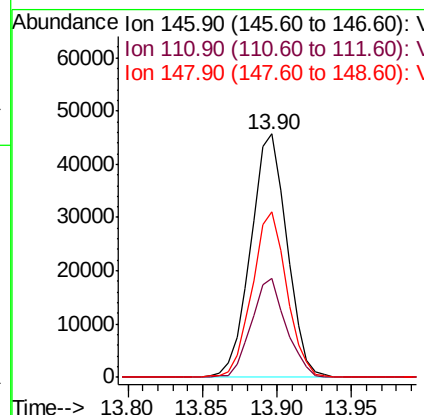
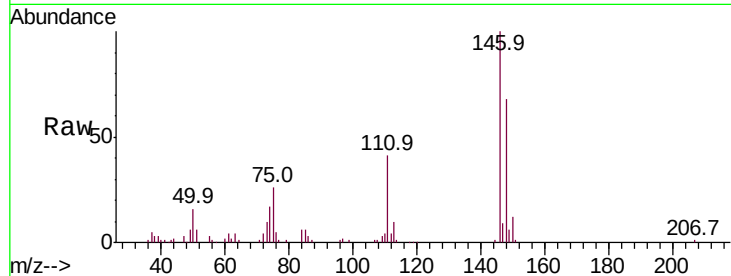
#91
 1,2-Dichlorobenzene
 Concen: 21.200 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD064064.D
 Acq: 25 Oct 2019 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	18.6	55.6
148	64.8	31.6	95.0

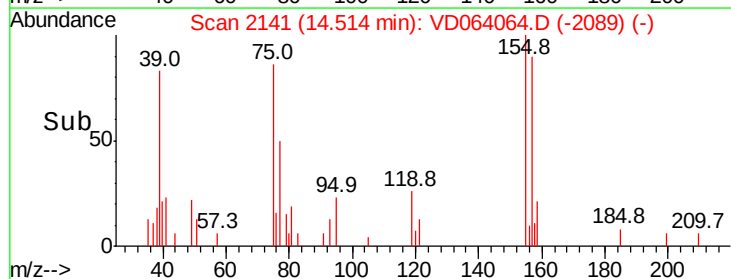
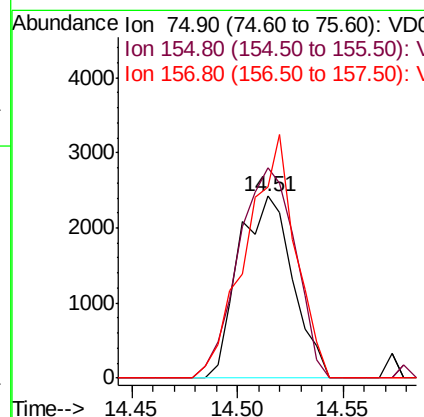
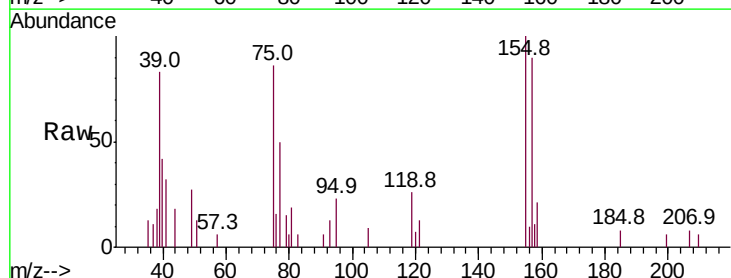
Manual Integrations
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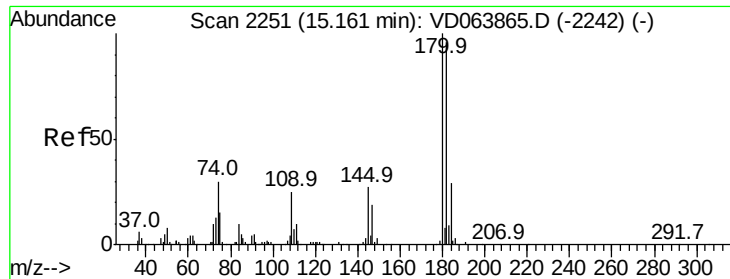
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.097 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064064.D
 Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	121.8	43.9	131.6
157	121.7	56.0	167.9





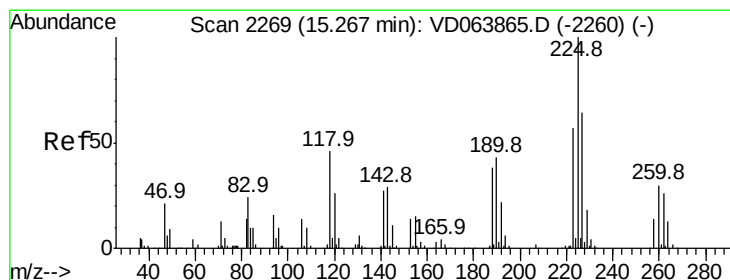
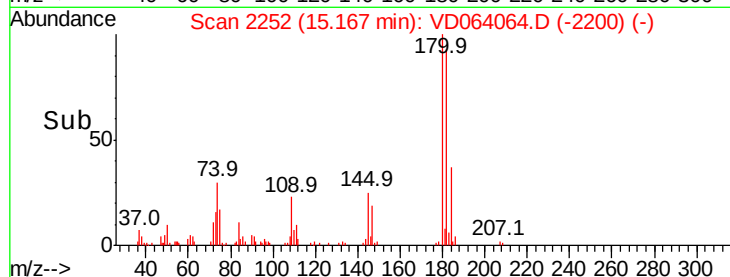
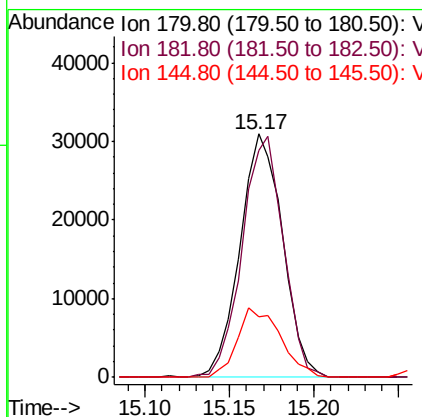
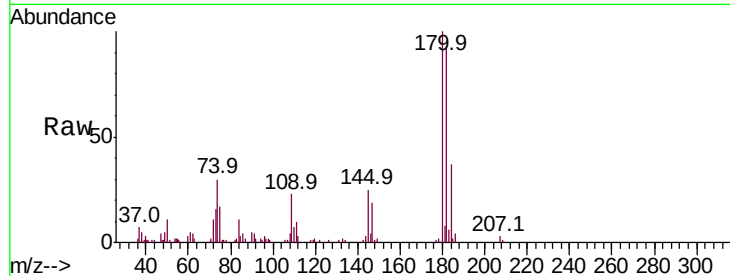
#93
 1,2,4-Trichlorobenzene
 Concen: 19.508 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064064.D
 Acq: 25 Oct 2019 14:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.4	142.3
145	28.8	13.9	41.7

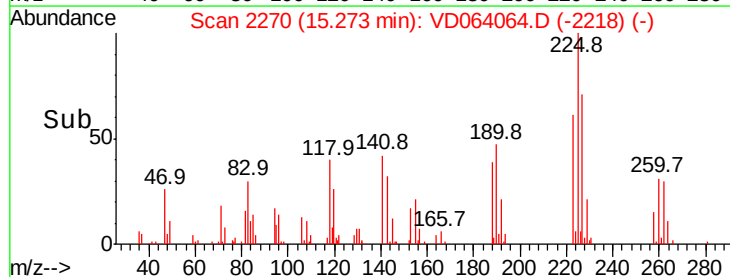
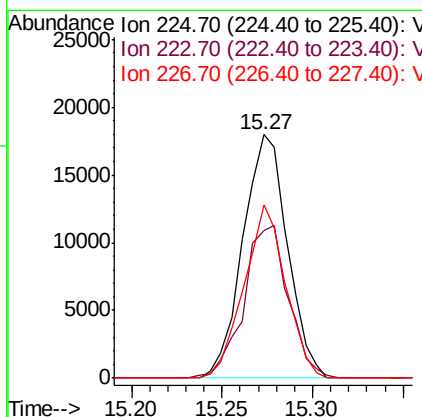
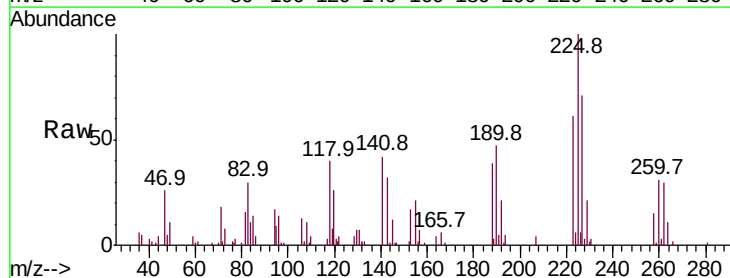
Manual Integrations
 APPROVED

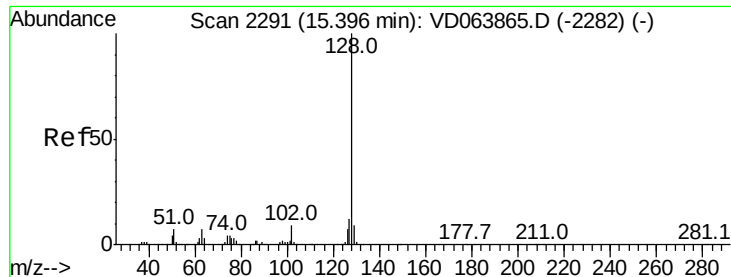
MMDadoda
 10/28/2019 12:39:27 PM



#94
 Hexachlorobutadiene
 Concen: 19.953 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064064.D
 Acq: 25 Oct 2019 14:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	29.5	88.6
227	66.6	30.8	92.4





#95

Naphthalene

Concen: 19.243 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Instrument :

MSVOA_D

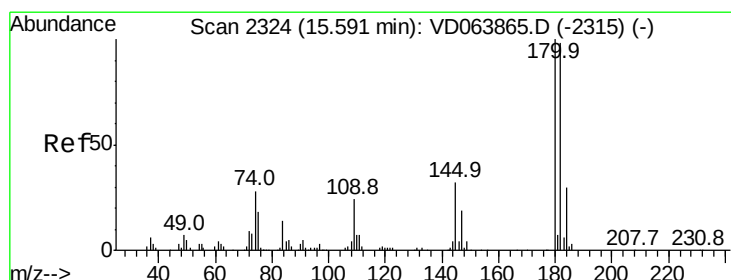
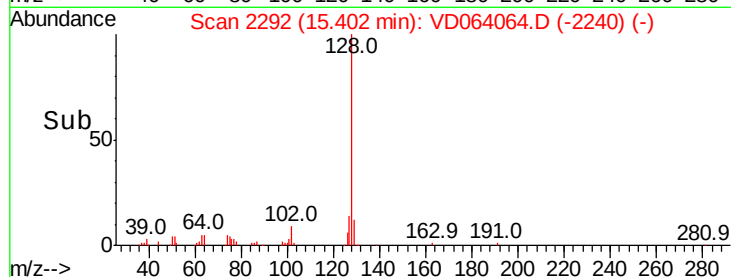
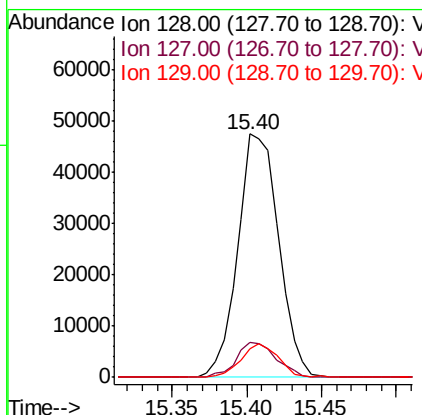
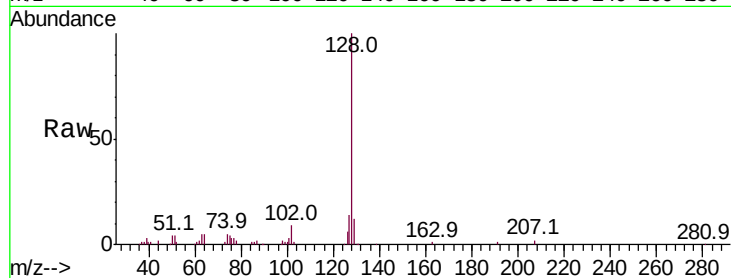
ClientSampleId :

VD1025SBS01

Tot Ion:	128	Resp:	90207
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.6	16.0
129	12.7	8.6	13.0

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 19.789 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD064064.D

Acq: 25 Oct 2019 14:40

Tgt Ion:	180	Resp:	47620
Ion Ratio	Lower	Upper	
180	100		
182	98.2	47.0	141.0
145	32.3	15.3	45.9

