

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064083.D
 Acq On : 29 Oct 2019 12:15
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Oct 30 07:43:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 07:33:28 2019
 Response via : Initial Calibration

10/30/2019 10:58:00 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	206123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	318688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	301311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	155514	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	7333	4.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.94%	
35) Dibromofluoromethane	7.93	113	9434	4.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.62%	
50) Toluene-d8	10.34	98	34732	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	
62) 4-Bromofluorobenzene	12.63	95	11580	4.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.90%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	9714	4.615	ug/l	93
3) Chloromethane	2.21	50	19830	5.647	ug/l	99
4) Vinyl Chloride	2.35	62	20182	5.300	ug/l	96
5) Bromomethane	2.77	94	12583	5.070	ug/l	92
6) Chloroethane	2.93	64	11887	5.026	ug/l	89
7) Trichlorofluoromethane	3.28	101	28620	5.459	ug/l	96
8) Diethyl Ether	3.70	74	5125	5.624	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.08	101	9884	5.232	ug/l	98
10) Methyl Iodide	4.30	142	9521	4.068	ug/l #	87
11) Tert butyl alcohol	5.25	59	1450	10.493	ug/l #	71
12) 1,1-Dichloroethene	4.05	96	9301	5.202	ug/l #	87
13) Acrolein	3.93	56	3249	31.083	ug/l	85
14) Allyl chloride	4.71	41	9572	4.574	ug/l	94
15) Acrylonitrile	5.44	53	8246	24.498	ug/l #	70
16) Acetone	4.16	43	7475	23.965	ug/l #	84
17) Carbon Disulfide	4.40	76	25842	4.703	ug/l	97
18) Methyl Acetate	4.73	43	4835	5.828	ug/l #	78
19) Methyl tert-butyl Ether	5.49	73	18711	5.157	ug/l	94
20) Methylene Chloride	4.97	84	13753	6.171	ug/l #	83
21) trans-1,2-Dichloroethene	5.47	96	9844	4.904	ug/l	92
22) Diisopropyl ether	6.38	45	22065	4.761	ug/l #	89
23) Vinyl Acetate	6.31	43	46189	17.804	ug/l	98
24) 1,1-Dichloroethane	6.27	63	16532	5.282	ug/l	94
25) 2-Butanone	7.22	43	9915	22.994	ug/l #	80
26) 2,2-Dichloropropane	7.21	77	15489	5.214	ug/l	88
27) cis-1,2-Dichloroethene	7.21	96	11820	5.263	ug/l	95
28) Bromochloromethane	7.56	49	6421	5.624	ug/l #	98
29) Tetrahydrofuran	7.58	42	5708	22.682	ug/l	95
30) Chloroform	7.72	83	18016	5.031	ug/l #	77
31) Cyclohexane	7.98	56	17176	5.633	ug/l #	69
32) 1,1,1-Trichloroethane	7.91	97	16906	5.071	ug/l	96
36) 1,1-Dichloropropene	8.11	75	16507	5.528	ug/l	92
37) Ethyl Acetate	7.30	43	4459	4.851	ug/l #	93
38) Carbon Tetrachloride	8.10	117	16053	4.927	ug/l #	92

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 Data File : VD064083.D
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 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda

Quant Time: Oct 30 07:43:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	16943	4.622	ug/l	90
40) Benzene	8.35	78	40811	5.012	ug/l	97
41) Methacrylonitrile	7.54	41	2533m	4.061	ug/l	
42) 1,2-Dichloroethane	8.43	62	11086	5.154	ug/l	100
43) Isopropyl Acetate	8.46	43	8923	4.804	ug/l #	75
44) Trichloroethene	9.11	130	11974	4.851	ug/l	70
45) 1,2-Dichloropropane	9.38	63	9628	5.102	ug/l	91
46) Dibromomethane	9.48	93	5419	4.768	ug/l	88
47) Bromodichloromethane	9.67	83	13695	4.776	ug/l #	88
48) Methyl methacrylate	9.47	41	4236	4.931	ug/l #	87
49) 1,4-Dioxane	9.46	88	1002	77.016	ug/l #	80
51) 4-Methyl-2-Pentanone	10.24	43	22052	21.806	ug/l	90
52) Toluene	10.40	92	25301	4.433	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	11743	4.387	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	14937	4.743	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	7485	4.645	ug/l #	88
56) Ethyl methacrylate	10.67	69	6744	3.854	ug/l	95
57) 1,3-Dichloropropane	10.96	76	12818	4.810	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.95	63	19044	26.975	ug/l	99
59) 2-Hexanone	10.99	43	13748	19.076	ug/l	97
60) Dibromochloromethane	11.14	129	9904	4.528	ug/l	98
61) 1,2-Dibromoethane	11.26	107	6610	4.101	ug/l	91
64) Tetrachloroethene	10.87	164	10839	5.007	ug/l	91
65) Chlorobenzene	11.67	112	30330	4.872	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	11327	4.862	ug/l	95
67) Ethyl Benzene	11.75	91	49393	4.460	ug/l	99
68) m/p-Xylenes	11.86	106	39791	8.934	ug/l	98
69) o-Xylene	12.18	106	18311	4.505	ug/l	95
70) Styrene	12.20	104	30942	4.414	ug/l	97
71) Bromoform	12.37	173	6020	4.839	ug/l #	97
73) Isopropylbenzene	12.48	105	46473	4.300	ug/l	97
74) N-amyl acetate	12.29	43	7940	4.423	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.73	83	8130	4.773	ug/l	92
76) 1,2,3-Trichloropropane	12.78	75	4499m	2.332	ug/l	
77) Bromobenzene	12.76	156	12940	4.959	ug/l	92
78) n-propylbenzene	12.83	91	57324	4.526	ug/l	99
79) 2-Chlorotoluene	12.91	91	30993	4.565	ug/l	95
80) 1,3,5-Trimethylbenzene	12.97	105	42419	4.690	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	2248	4.393	ug/l	86
82) 4-Chlorotoluene	13.01	91	35499	4.894	ug/l	98
83) tert-Butylbenzene	13.23	119	35986	4.430	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	40664	4.476	ug/l	97
85) sec-Butylbenzene	13.40	105	49793	4.463	ug/l	99
86) p-Isopropyltoluene	13.52	119	43391	4.140	ug/l	95
87) 1,3-Dichlorobenzene	13.52	146	24794	4.742	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	26730	5.186	ug/l	94
89) n-Butylbenzene	13.84	91	43825	4.533	ug/l	98
90) Hexachloroethane	14.11	117	9446	4.813	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	23045	5.121	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.52	75	1178	4.735	ug/l	98

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Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

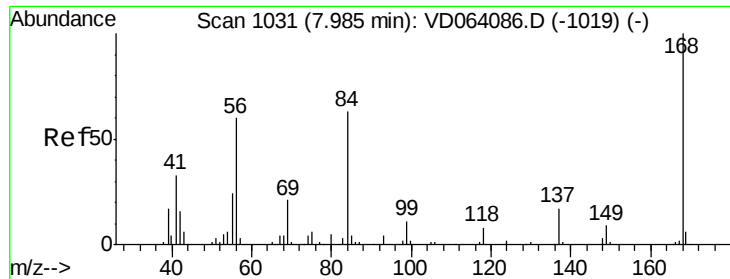
MMDadoda

10/30/2019 10:58:00 AM

Quant Time: Oct 30 07:43:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 07:33:28 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	14621	4.520	ug/l	94
94) Hexachlorobutadiene	15.27	225	8607	4.553	ug/l	91
95) Naphthalene	15.41	128	23306	4.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	13347	4.764	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 168 Resp: 206123

Ion Ratio Lower Upper

168 100

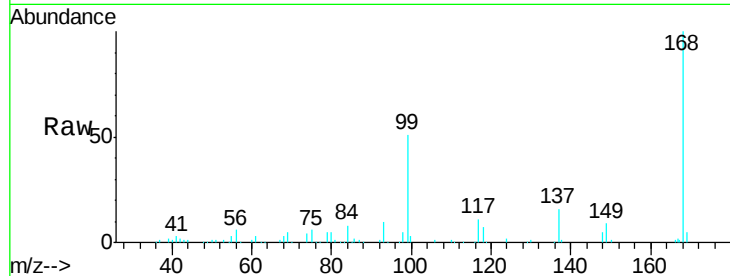
99 51.2 37.6 56.4

Manual Integrations

APPROVED

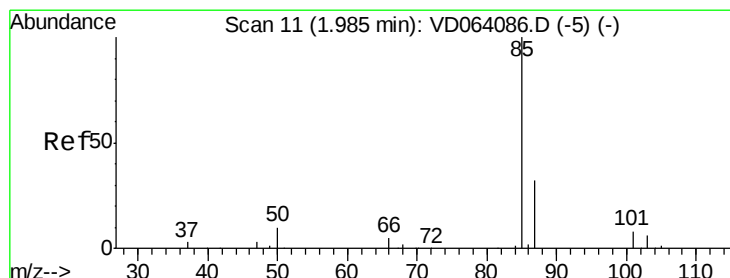
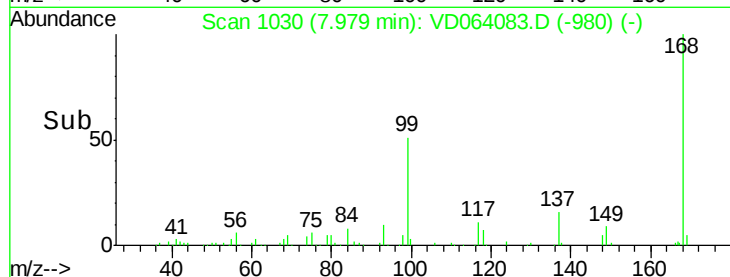
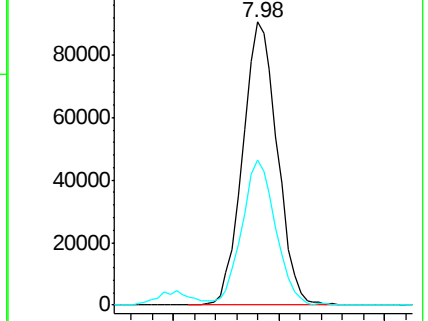
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10/30/2019 10:58:00 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 4.615 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064083.D

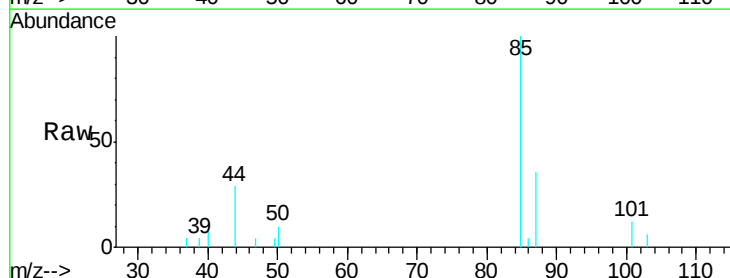
Acq: 29 Oct 2019 12:15

Tgt Ion: 85 Resp: 9714

Ion Ratio Lower Upper

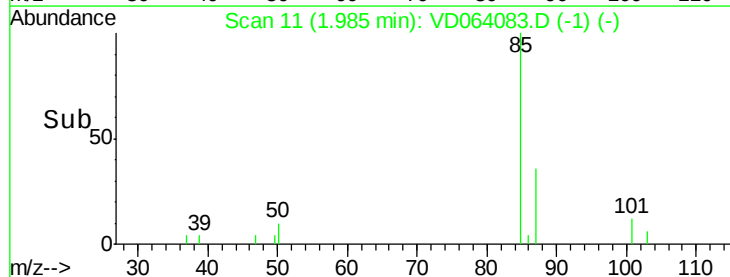
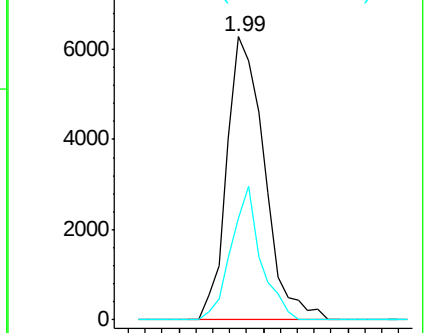
85 100

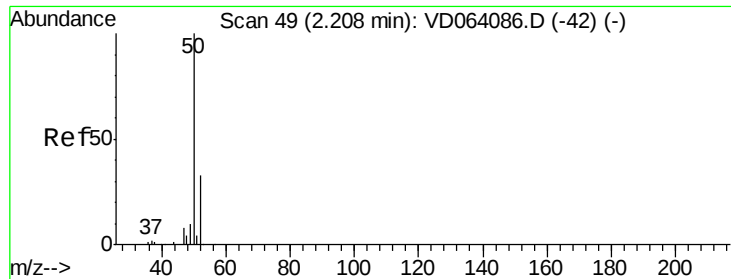
87 35.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.647 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 19830

Ion Ratio Lower Upper

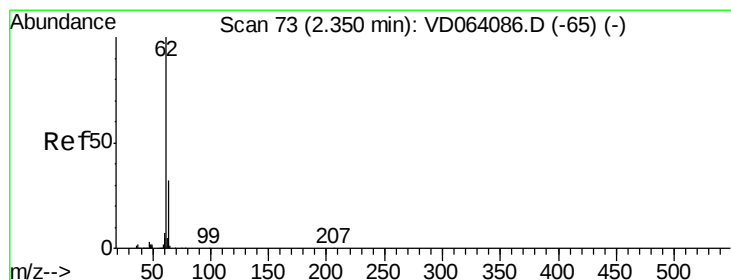
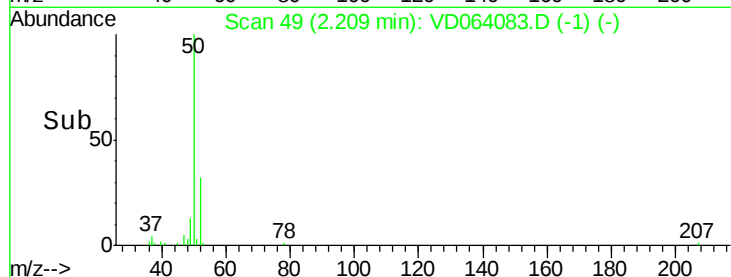
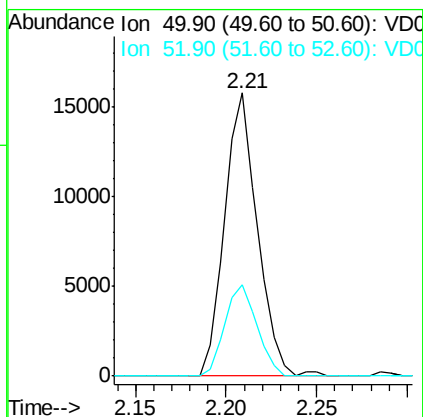
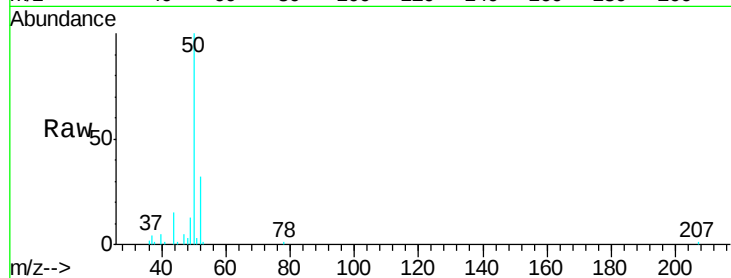
50 100

52 32.5 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.300 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064083.D

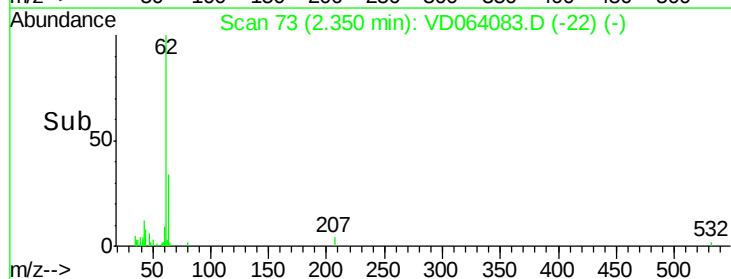
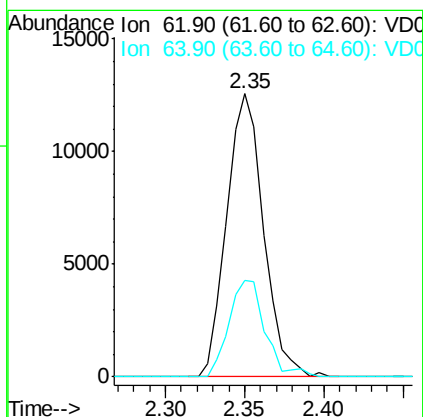
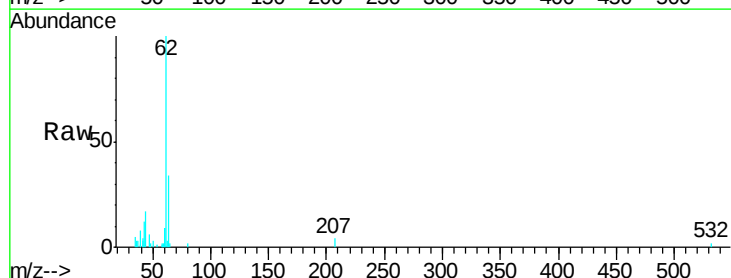
Acq: 29 Oct 2019 12:15

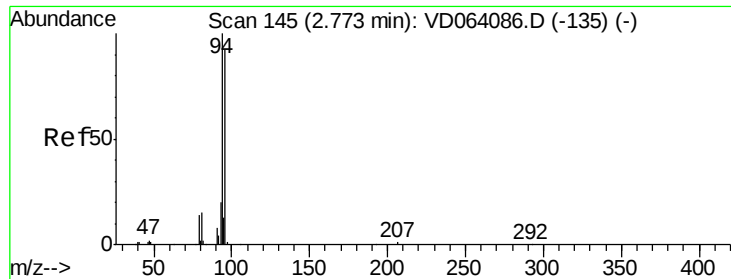
Tgt Ion: 62 Resp: 20182

Ion Ratio Lower Upper

62 100

64 34.1 25.6 38.4





#5

Bromomethane

Concen: 5.070 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 12583

Ion Ratio Lower Upper

94 100

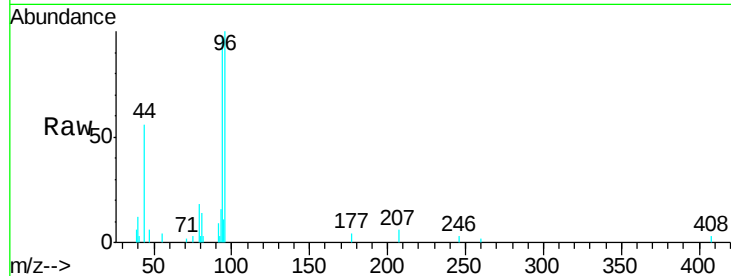
96 99.9 73.9 110.9

Manual Integrations

APPROVED

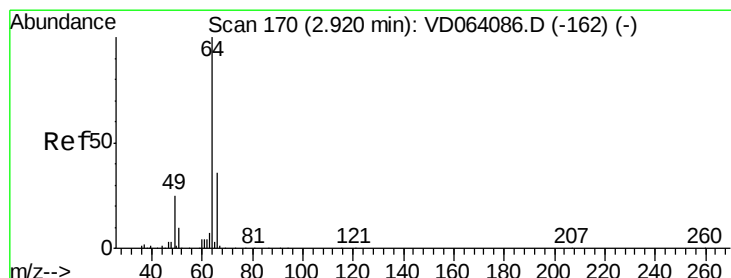
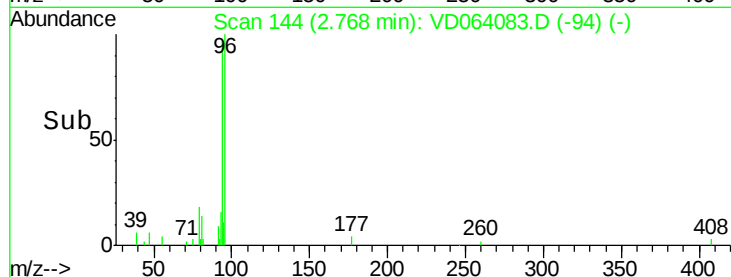
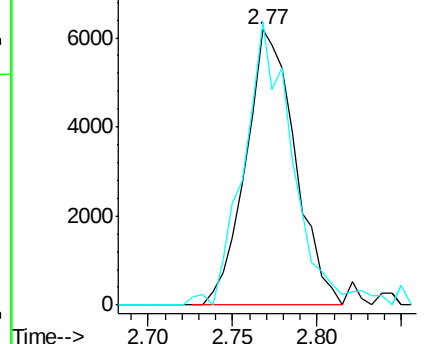
MMDadoda

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.026 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064083.D

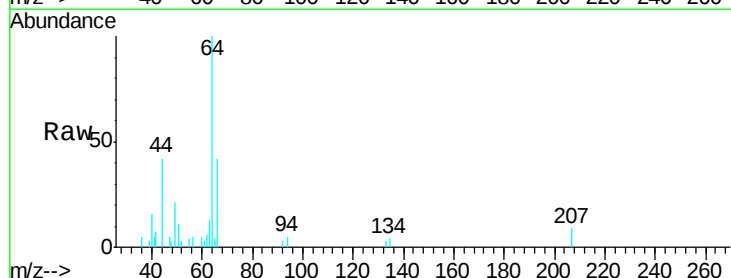
Acq: 29 Oct 2019 12:15

Tgt Ion: 64 Resp: 11887

Ion Ratio Lower Upper

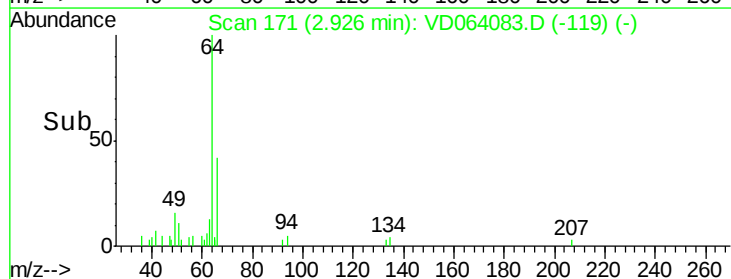
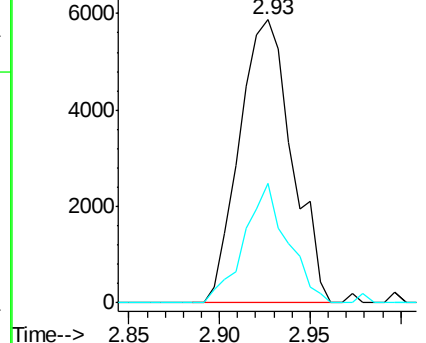
64 100

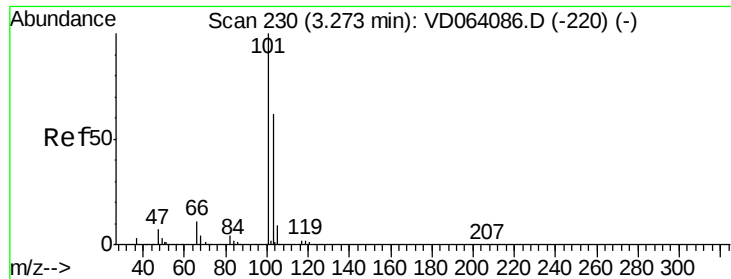
66 42.3 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane
 Concen: 5.459 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

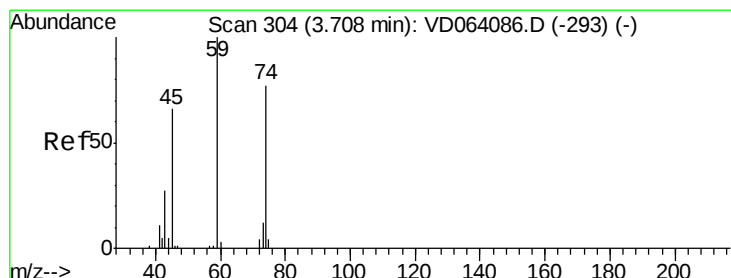
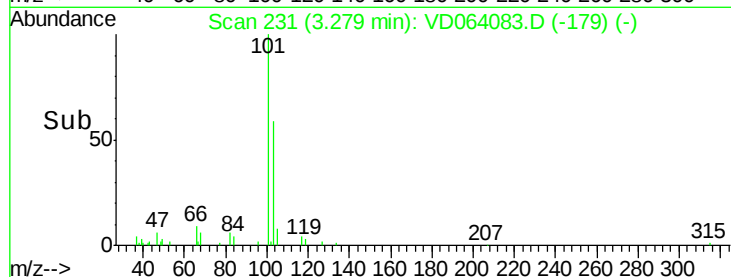
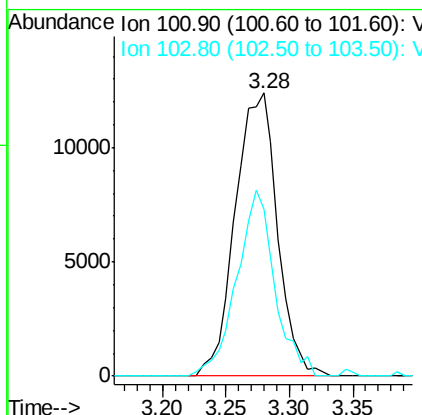
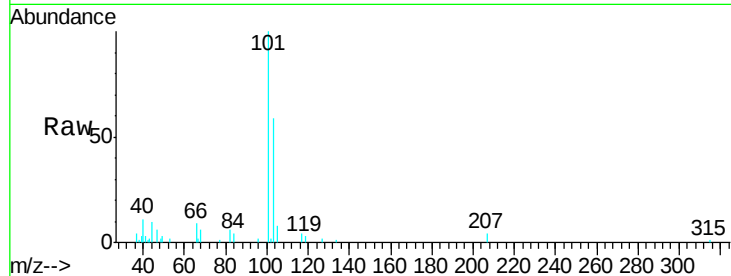
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
101	100		
103	59.1	49.6	74.4

Manual Integrations
 APPROVED

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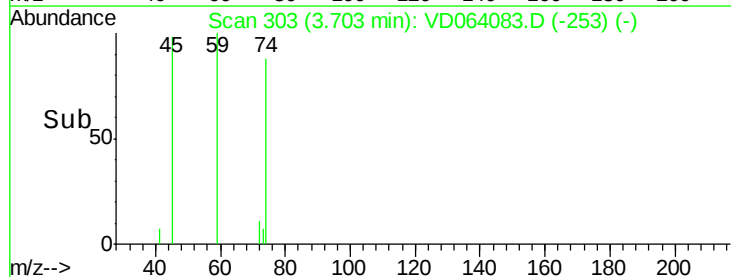
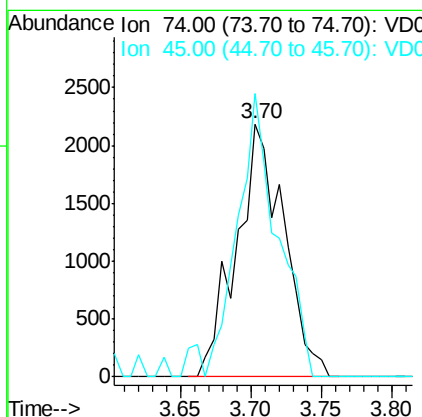
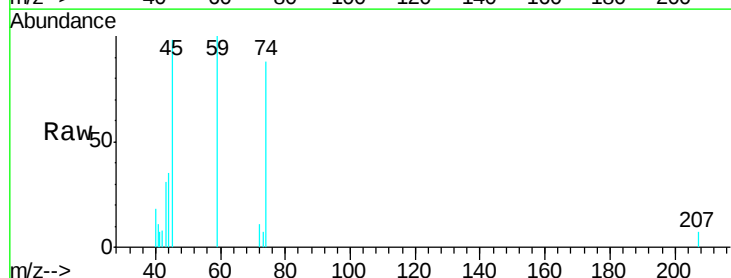
10/30/2019 10:58:00 AM

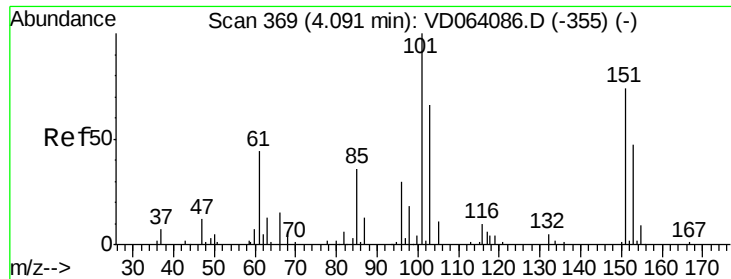


#8

Diethyl Ether
 Concen: 5.624 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.5	44.1	132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.232 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

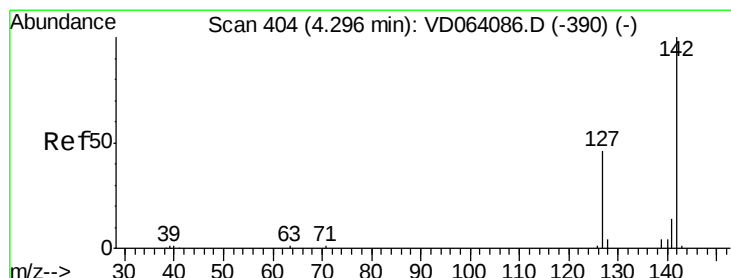
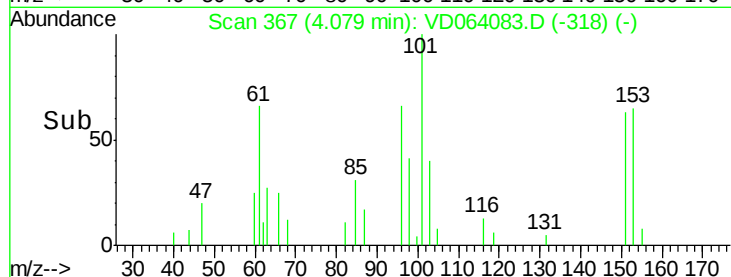
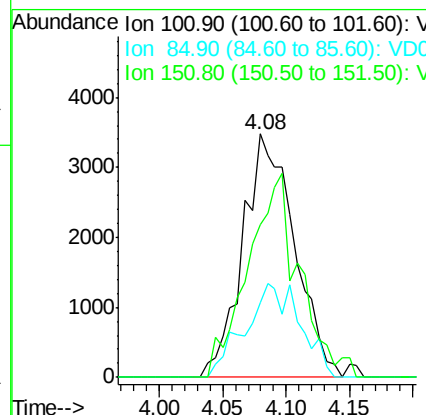
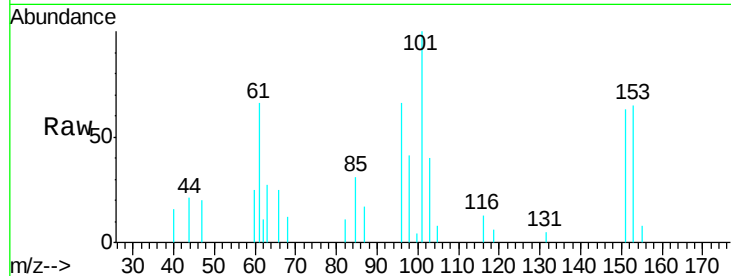
VSTDIC005

Tgt Ion:	101	Resp:	9884
Ion Ratio	Lower	Upper	
101	100		
85	41.3	35.3	52.9
151	83.1	67.0	100.6

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#10

Methyl Iodide

Concen: 4.068 ug/l

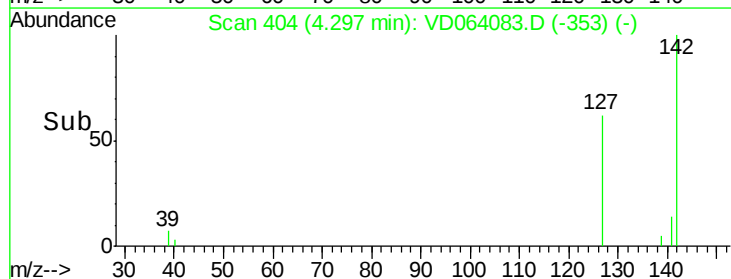
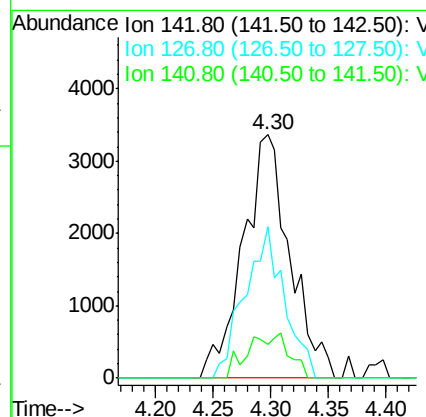
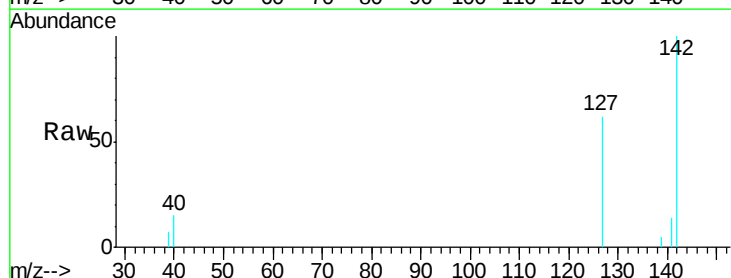
RT: 4.30 min Scan# 404

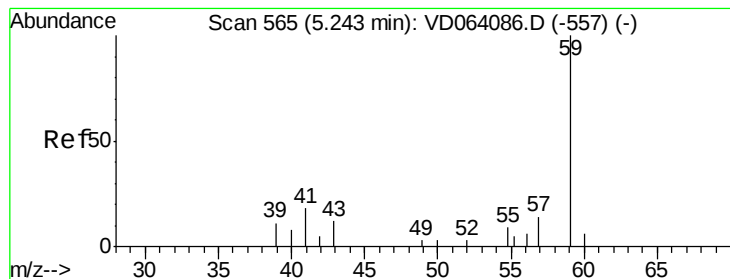
Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Tgt Ion:	142	Resp:	9521
Ion Ratio	Lower	Upper	
142	100		
127	52.3	35.1	52.7
141	9.1	11.6	17.4#





#11

Tert butyl alcohol
 Concen: 10.493 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

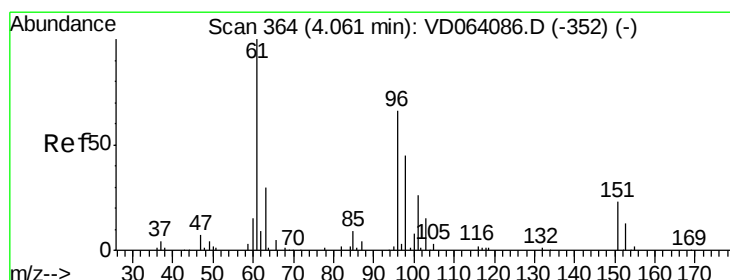
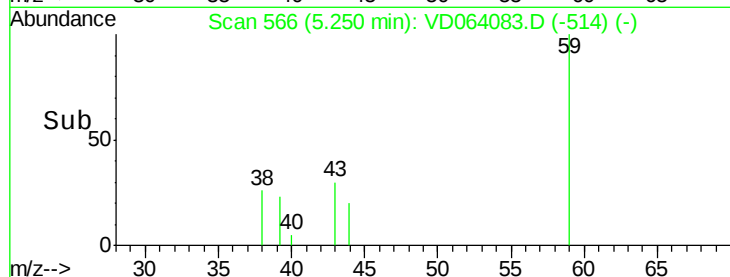
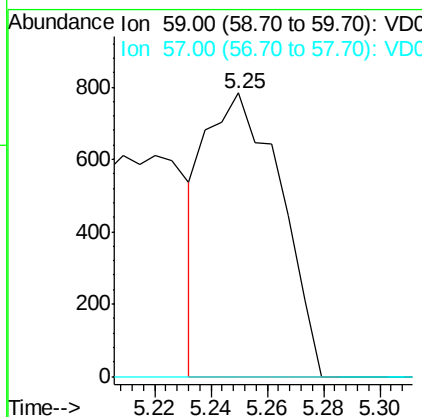
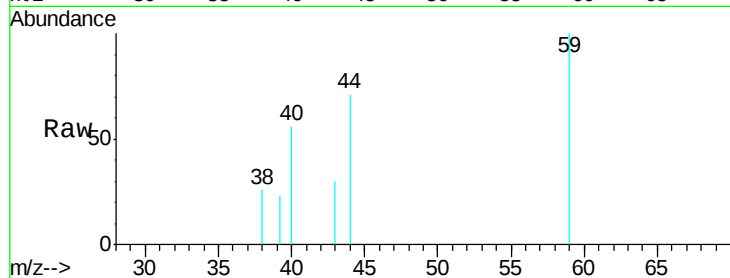
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 59 Resp: 1450
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.7 13.1#

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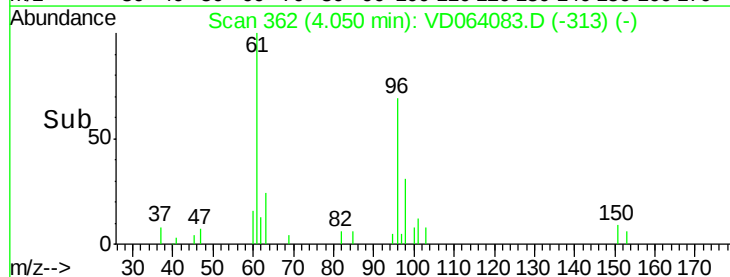
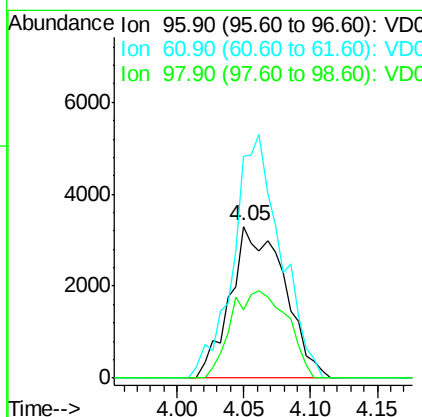
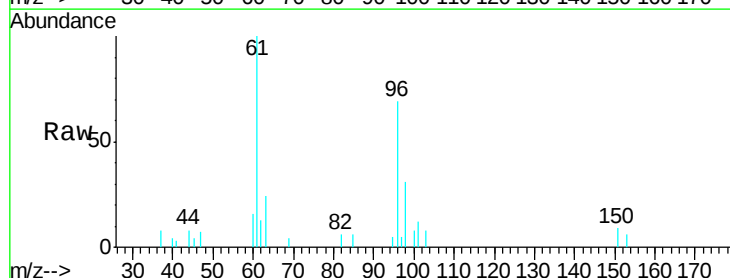
10/30/2019 10:58:00 AM

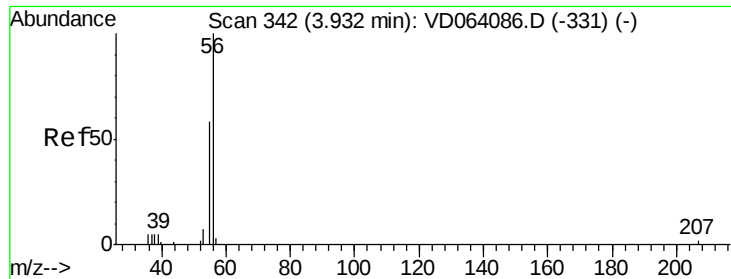


#12

1,1-Dichloroethene
 Concen: 5.202 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion: 96 Resp: 9301
 Ion Ratio Lower Upper
 96 100
 61 145.8 121.8 182.6
 98 44.9 55.4 83.0#





#13

Acrolein

Concen: 31.083 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampled :

VSTDIC005

Tgt Ion: 56 Resp: 3249

Ion Ratio Lower Upper

56 100

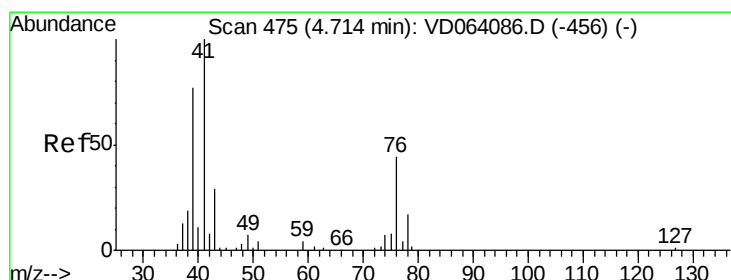
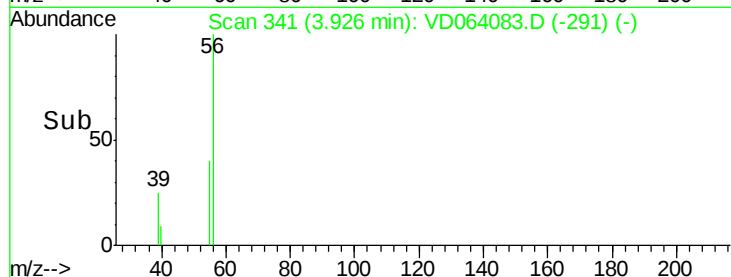
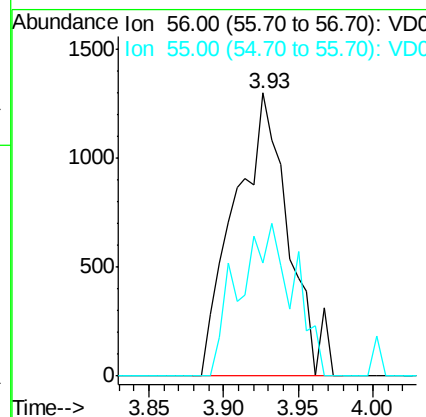
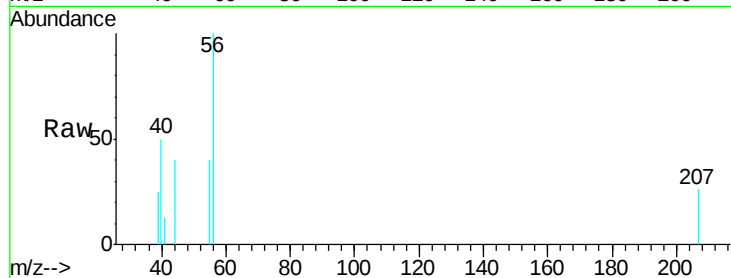
55 55.5 53.8 80.6

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#14

Allyl chloride

Concen: 4.574 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

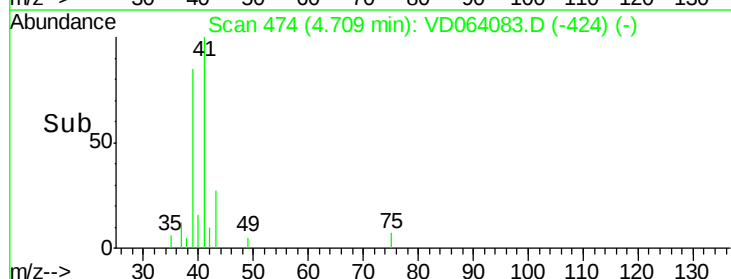
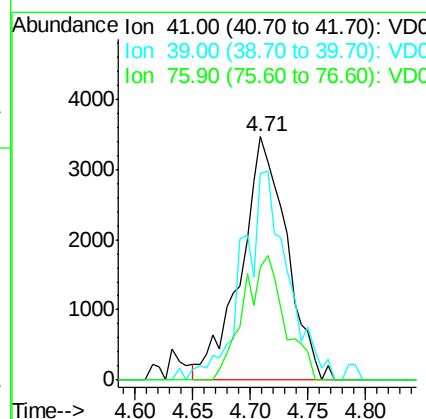
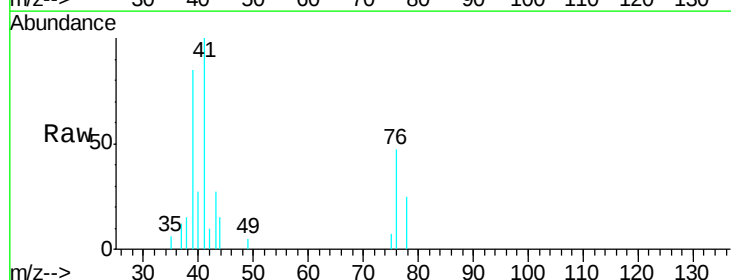
Tgt Ion: 41 Resp: 9572

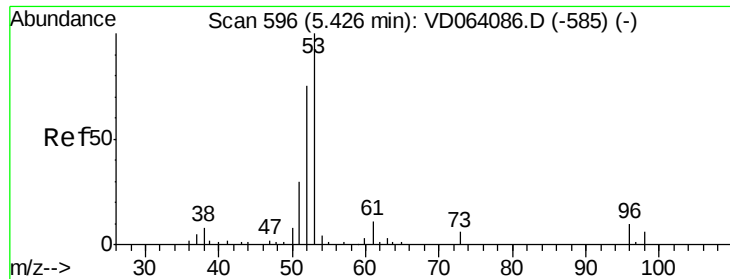
Ion Ratio Lower Upper

41 100

39 84.7 61.5 92.3

76 45.9 36.2 54.4





#15

Acrylonitrile

Concen: 24.498 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

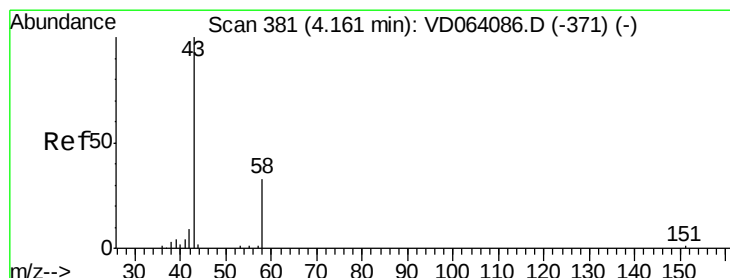
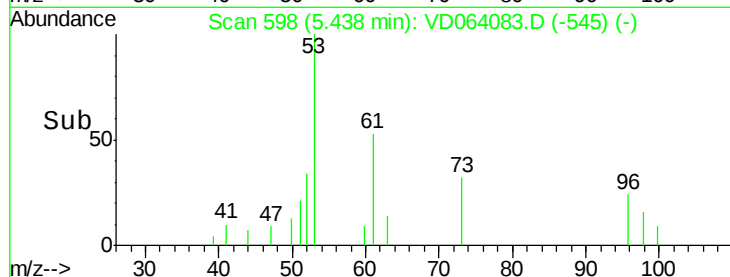
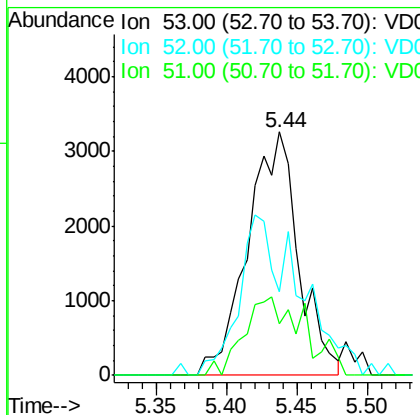
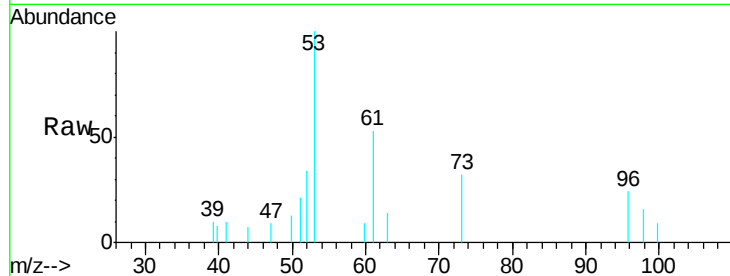
VSTDIC005

Tgt Ion:	53	Resp:	8246
Ion	Ratio	Lower	Upper
53	100		
52	45.9	66.2	99.4#
51	38.3	29.0	43.6

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#16

Acetone

Concen: 23.965 ug/l

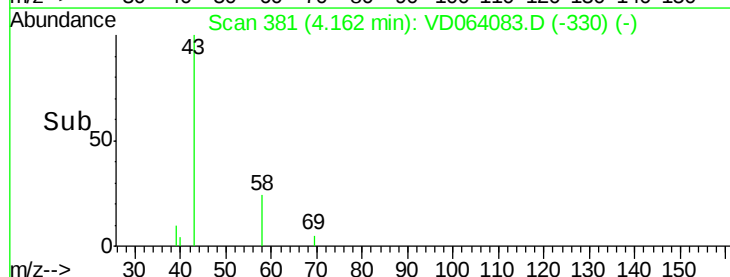
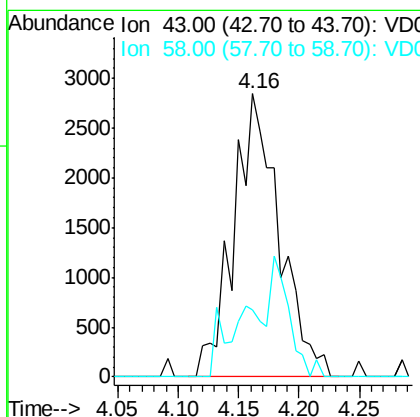
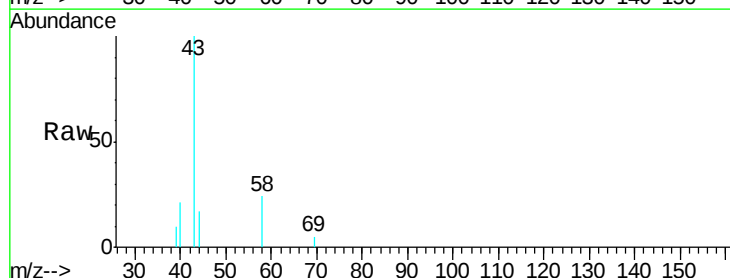
RT: 4.16 min Scan# 381

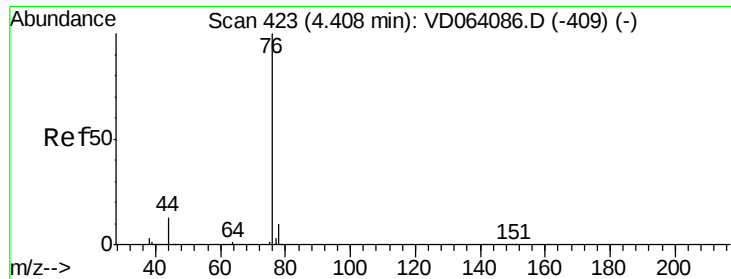
Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Tgt Ion:	43	Resp:	7475
Ion	Ratio	Lower	Upper
43	100		
58	23.9	26.3	39.5#





#17
Carbon Disulfide
Concen: 4.703 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

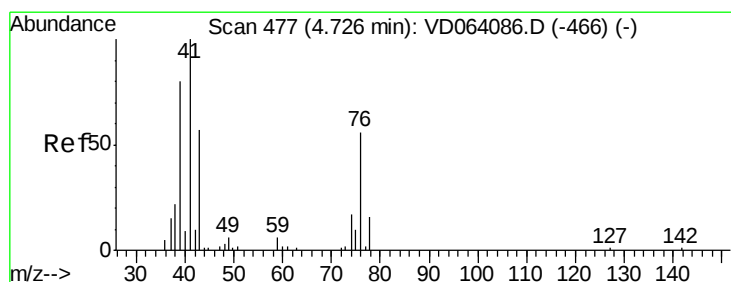
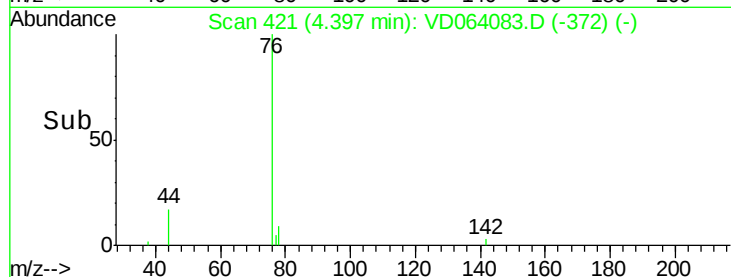
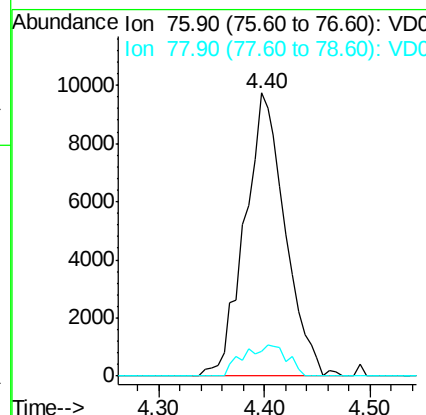
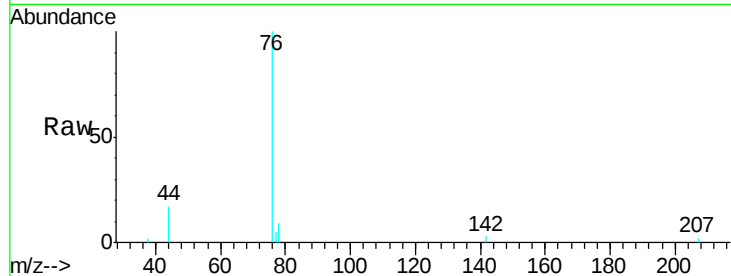
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 76 Resp: 25842
Ion Ratio Lower Upper
76 100
78 9.0 8.1 12.1

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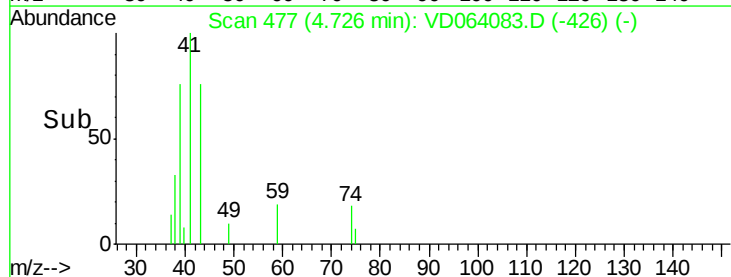
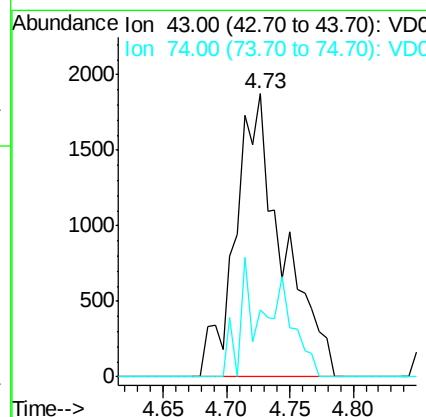
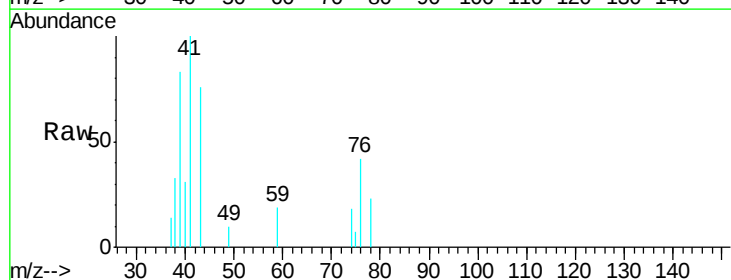
MMDadoda

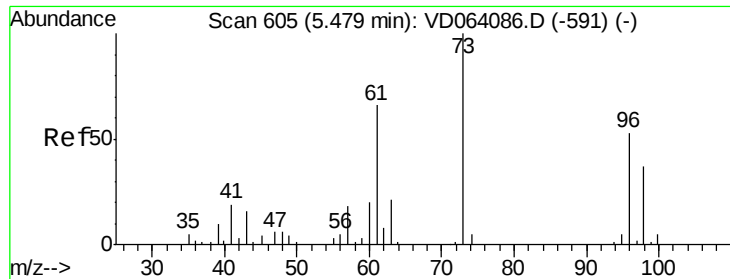
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#18
Methyl Acetate
Concen: 5.828 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 43 Resp: 4835
Ion Ratio Lower Upper
43 100
74 16.4 22.2 33.4#





#19
Methyl tert-butyl Ether
Concen: 5.157 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

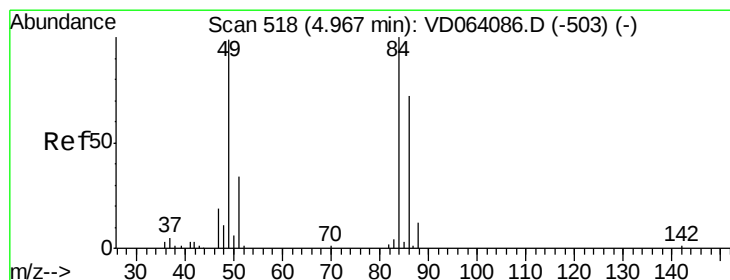
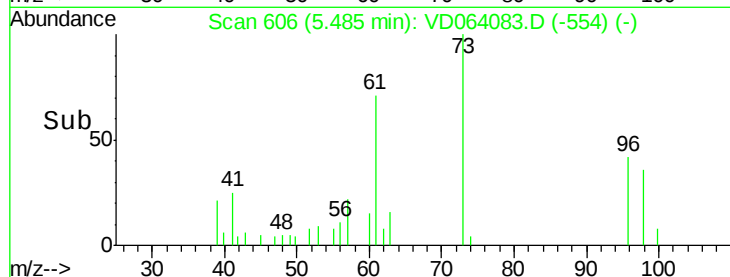
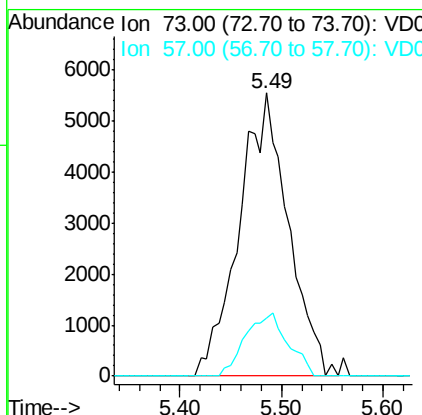
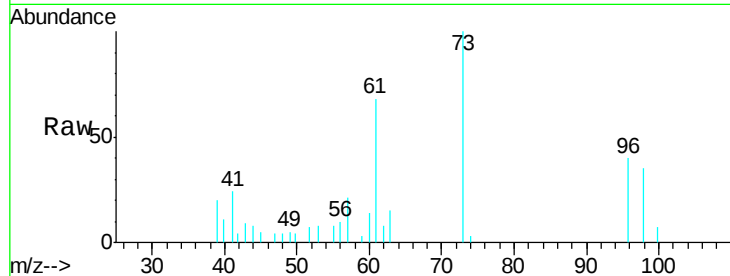
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 73 Resp: 18711
Ion Ratio Lower Upper
73 100
57 20.5 14.3 21.5

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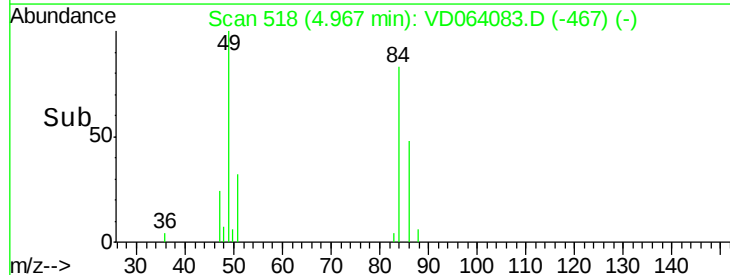
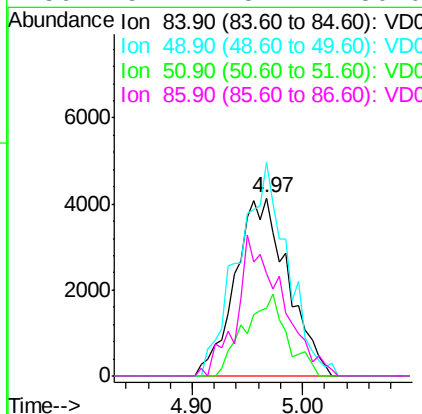
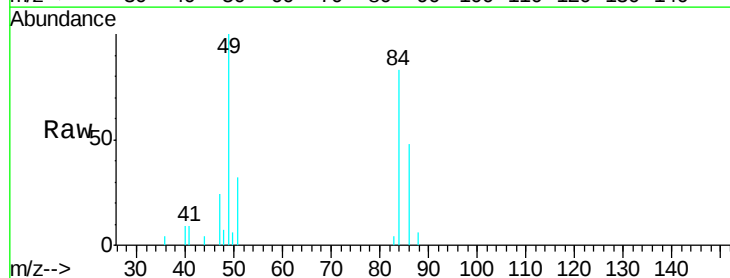
MMDadoda

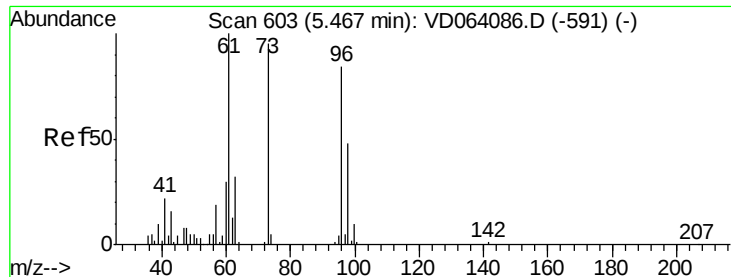
10/30/2019 10:58:00 AM



#20
Methylene Chloride
Concen: 6.171 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 84 Resp: 13753
Ion Ratio Lower Upper
84 100
49 119.9 79.4 119.0#
51 38.2 27.4 41.2
86 57.7 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 4.904 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

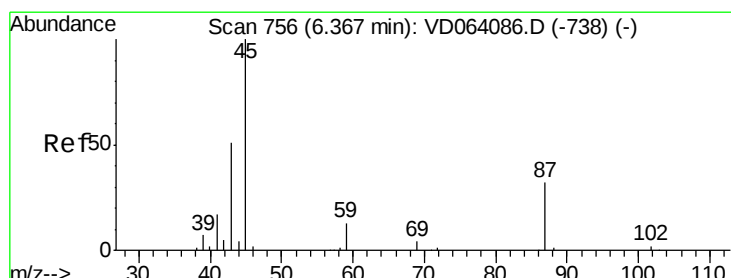
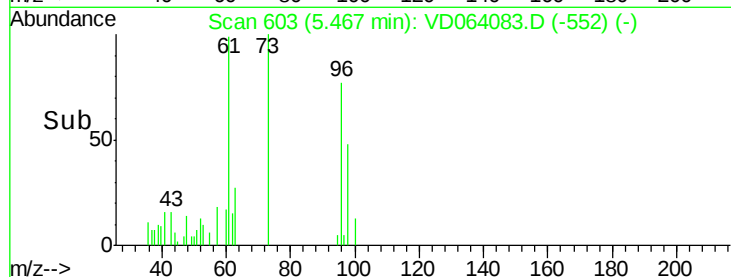
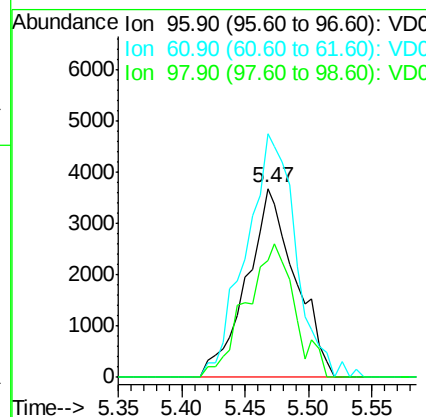
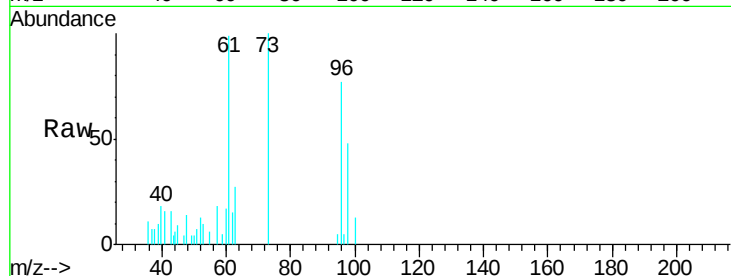
VSTDIC005

Tgt Ion:	96	Resp:	9844
Ion	Ratio	Lower	Upper
96	100		
61	129.0	95.0	142.6
98	62.3	45.8	68.8

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#22

Diisopropyl ether

Concen: 4.761 ug/l

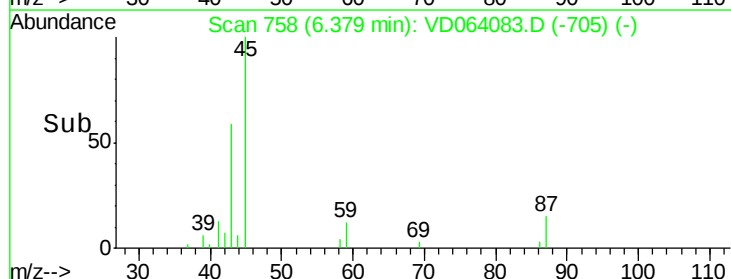
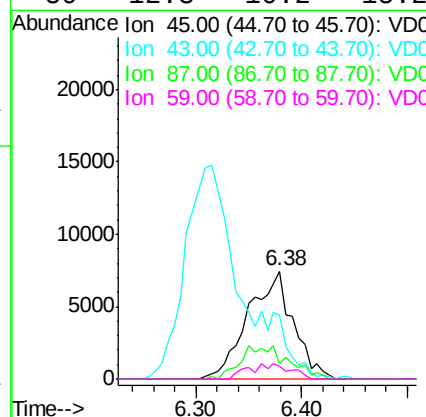
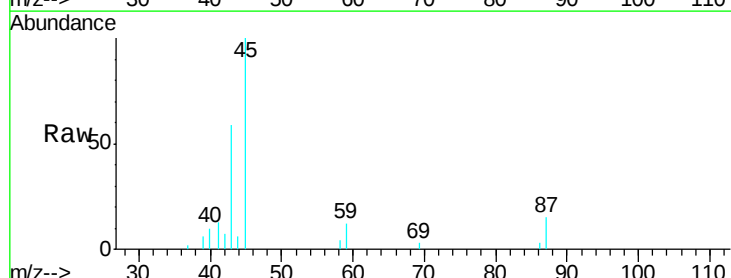
RT: 6.38 min Scan# 758

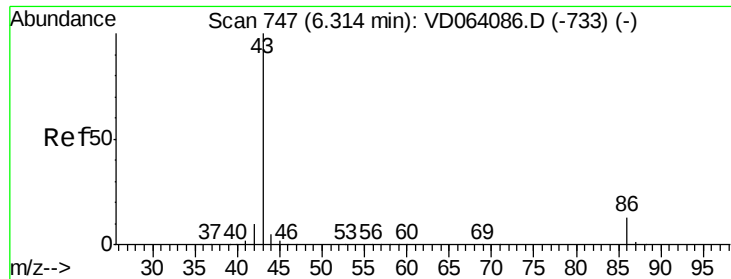
Delta R.T. 0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Tgt Ion:	45	Resp:	22065
Ion	Ratio	Lower	Upper
45	100		
43	56.3	44.3	66.5
87	14.9	26.6	39.8#
59	12.3	10.2	15.2





#23
 Vinyl Acetate
 Concen: 17.804 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

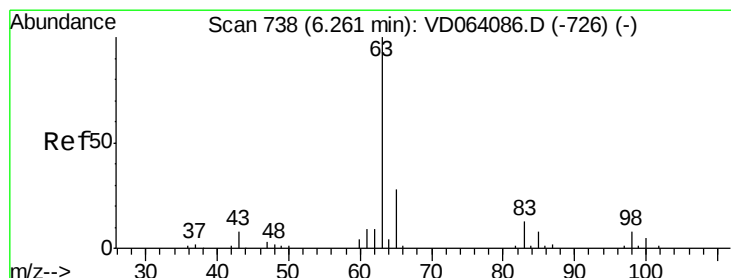
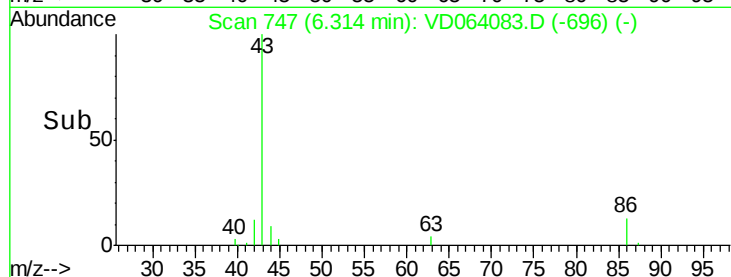
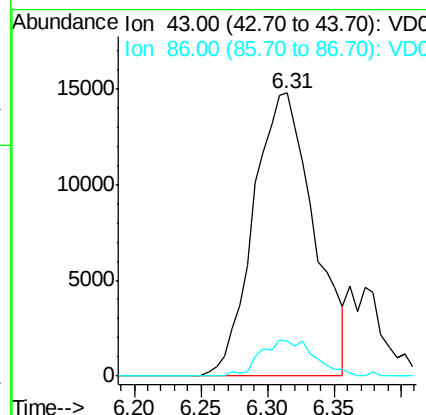
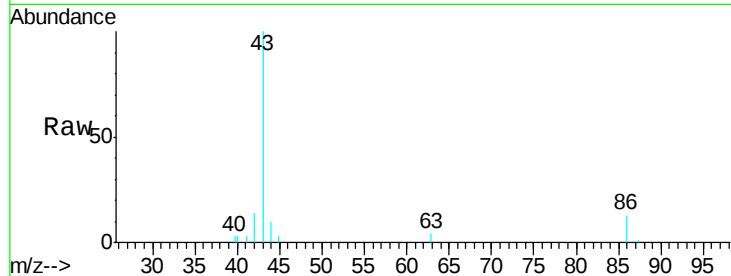
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 43 Resp: 46189
 Ion Ratio Lower Upper
 43 100
 86 12.6 10.7 16.1

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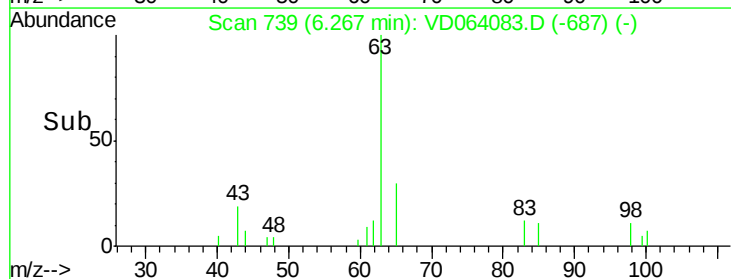
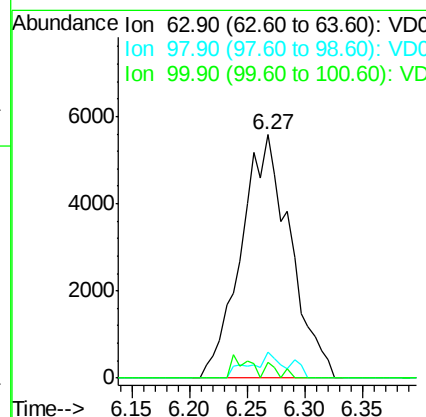
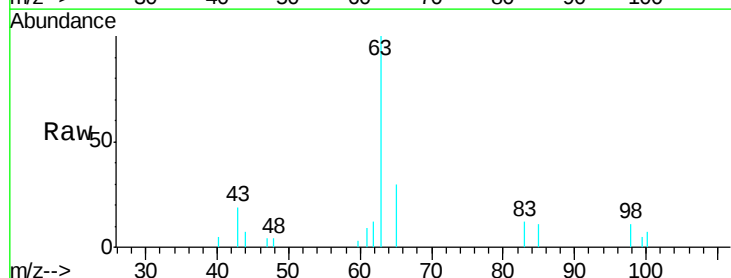
MMDadoda

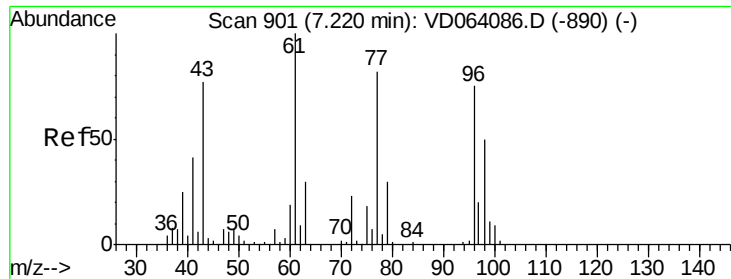
10/30/2019 10:58:00 AM



#24
 1,1-Dichloroethane
 Concen: 5.282 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion: 63 Resp: 16532
 Ion Ratio Lower Upper
 63 100
 98 10.7 4.0 11.9
 100 6.7 2.6 7.8





#25

2-Butanone

Concen: 22.994 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampled :

VSTDIC005

Tgt Ion: 43 Resp: 9915

Ion Ratio Lower Upper

43 100

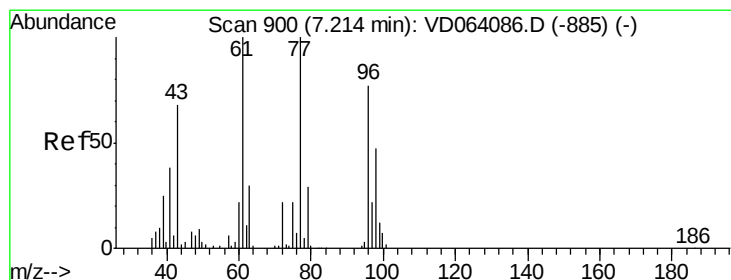
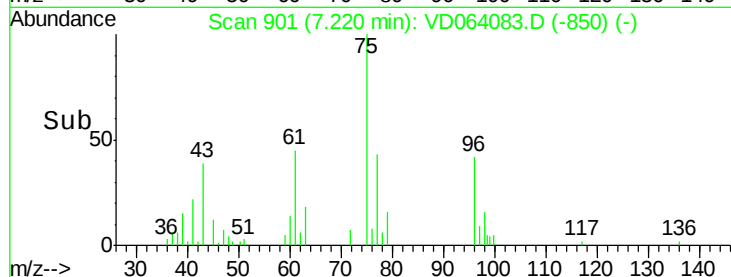
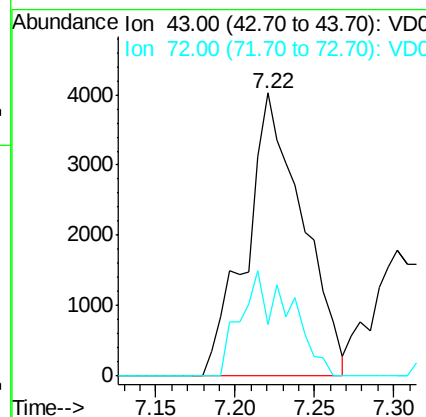
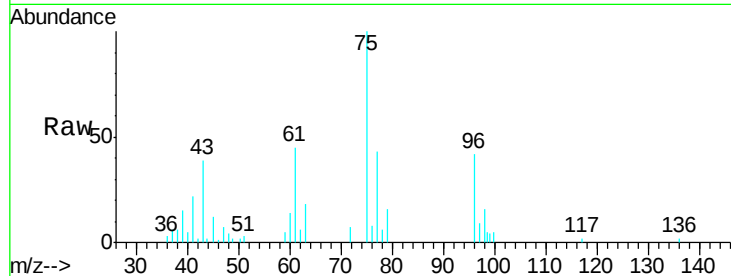
72 18.3 23.4 35.0#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.214 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064083.D

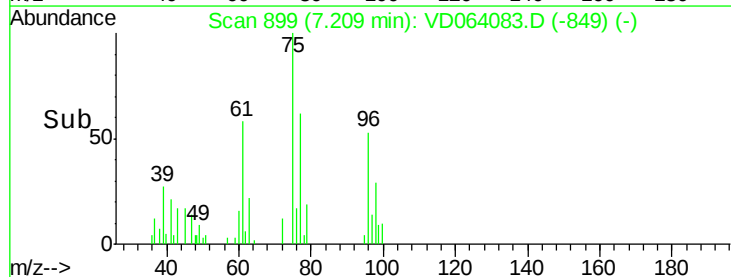
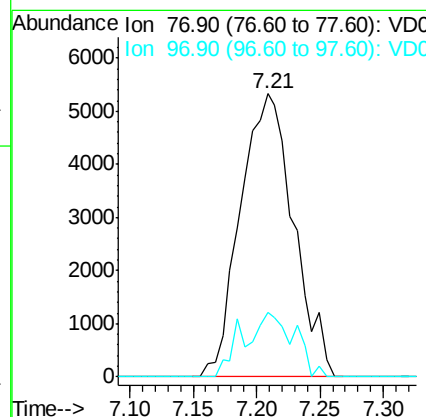
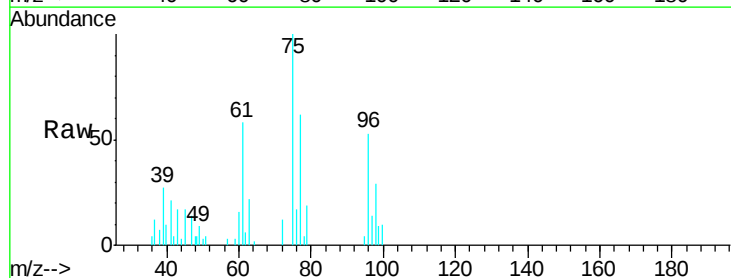
Acq: 29 Oct 2019 12:15

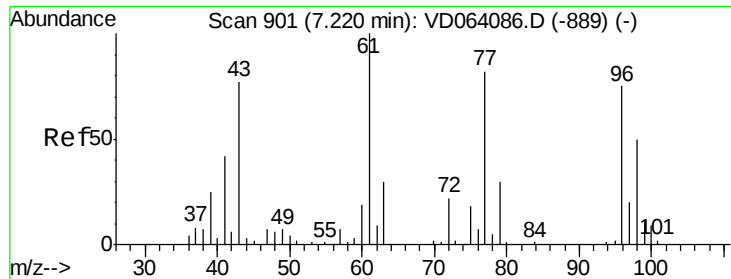
Tgt Ion: 77 Resp: 15489

Ion Ratio Lower Upper

77 100

97 16.6 11.2 33.5





#27

cis-1,2-Dichloroethene
Concen: 5.263 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

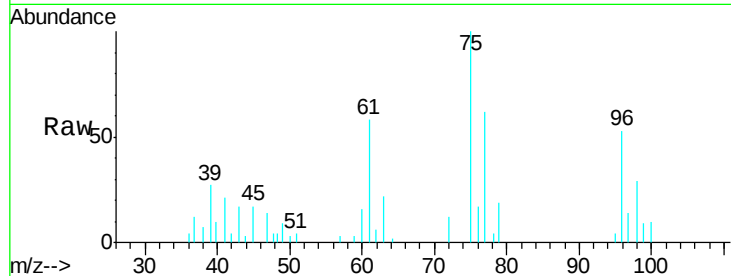
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.9	0.0	258.0
98	57.6	0.0	130.8

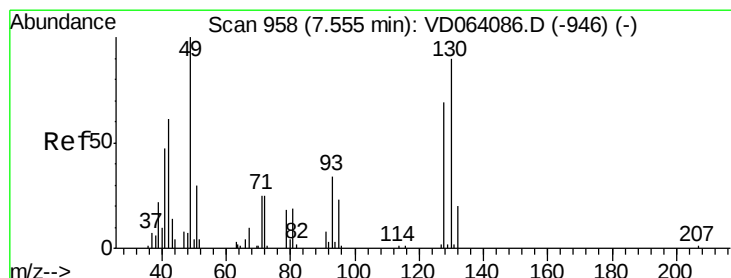
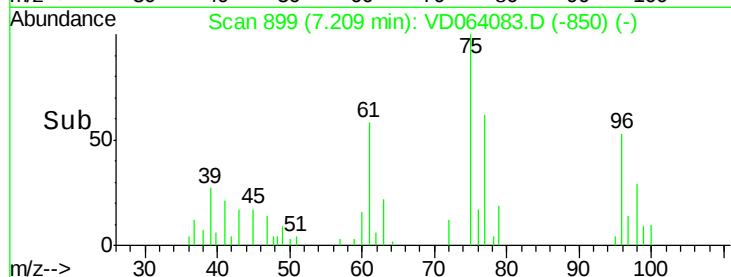
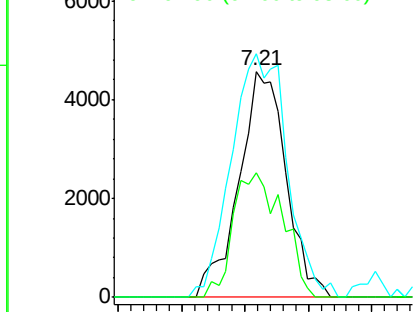
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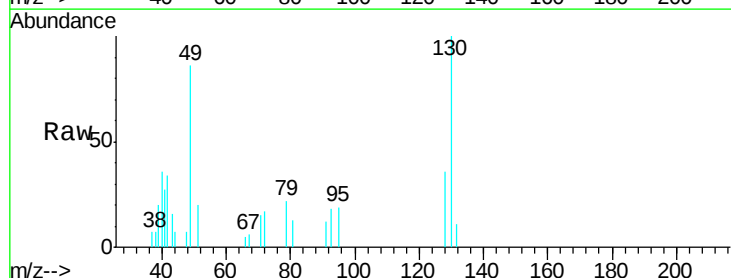
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



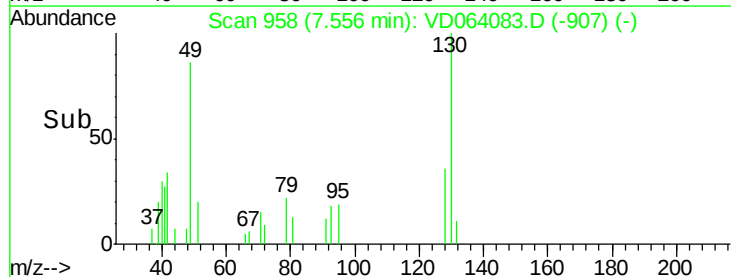
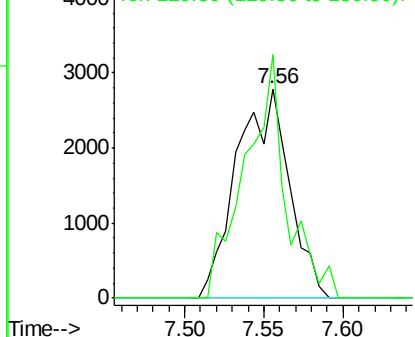
#28

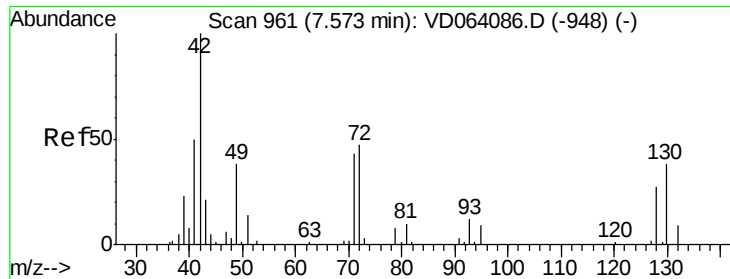
Bromochloromethane
Concen: 5.624 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	92.1	75.3	112.9



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29
Tetrahydrofuran
Concen: 22.682 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

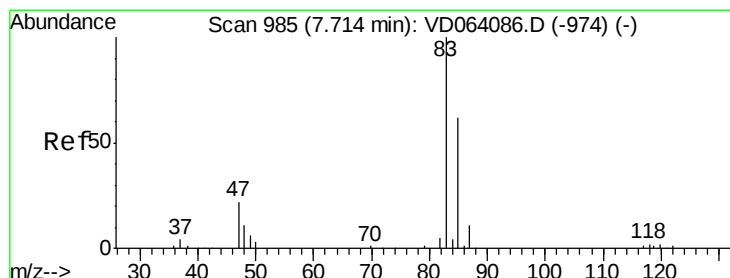
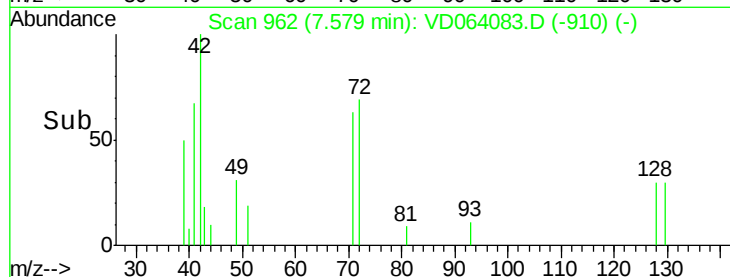
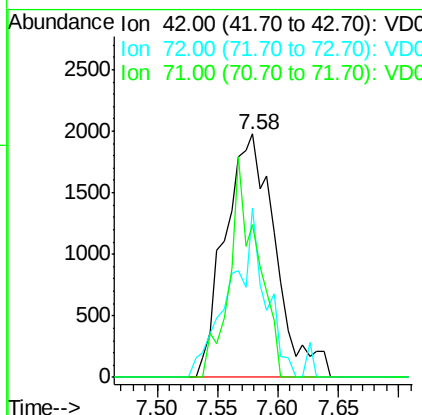
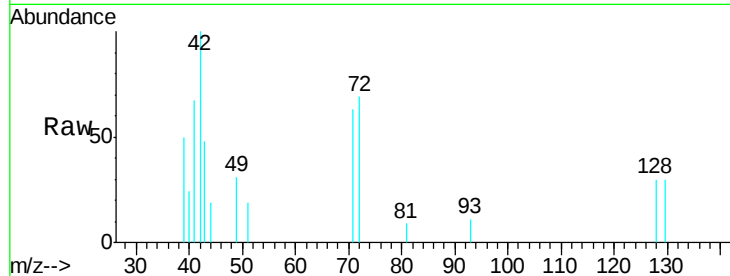
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 42 Resp: 5708
Ion Ratio Lower Upper
42 100
72 48.7 38.9 58.3
71 50.4 35.4 53.2

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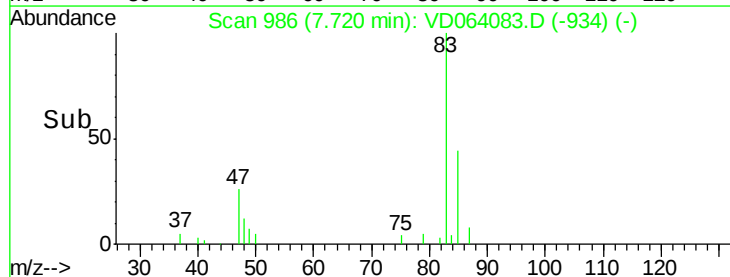
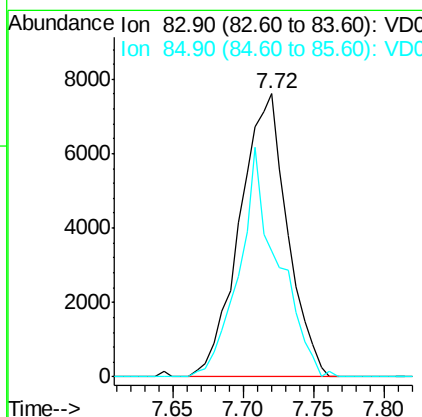
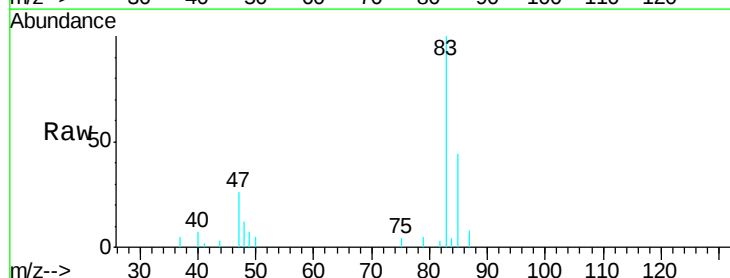
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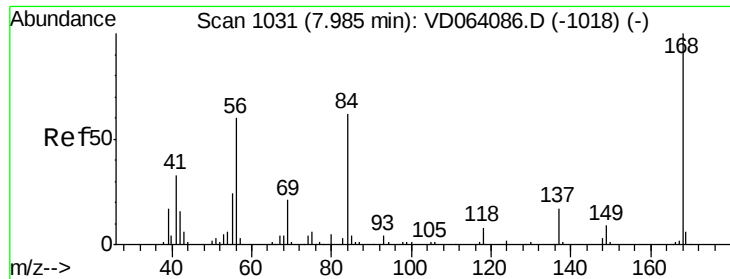
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#30
Chloroform
Concen: 5.031 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 83 Resp: 18016
Ion Ratio Lower Upper
83 100
85 44.4 49.8 74.6#





#31
Cyclohexane
Concen: 5.633 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

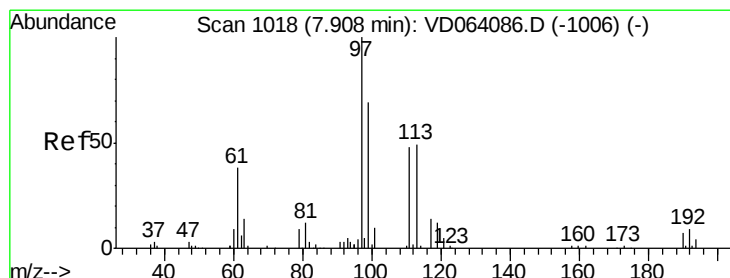
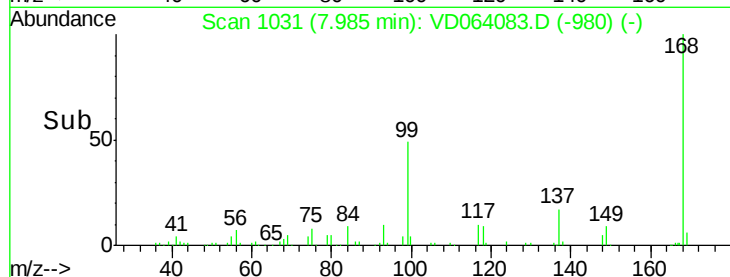
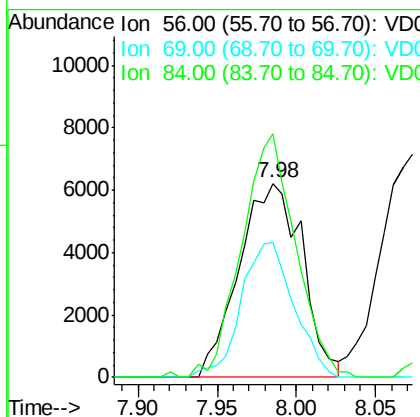
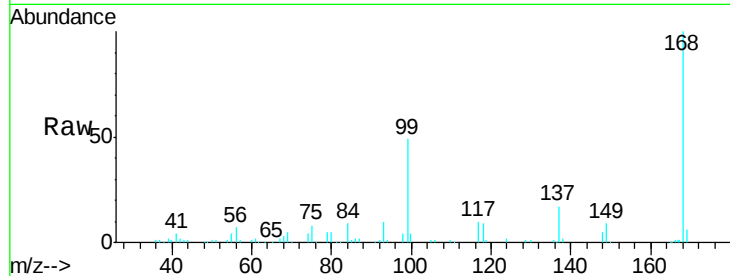
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 56 Resp: 17176
Ion Ratio Lower Upper
56 100
69 69.2 27.7 41.5#
84 125.4 83.1 124.7#

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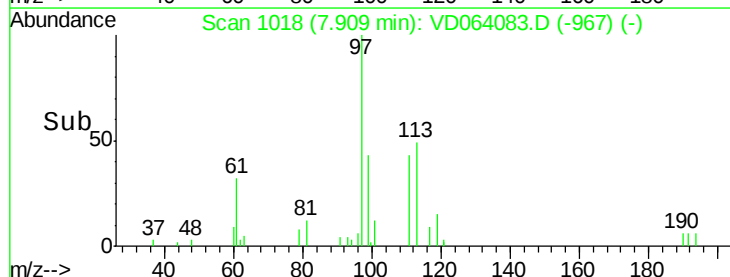
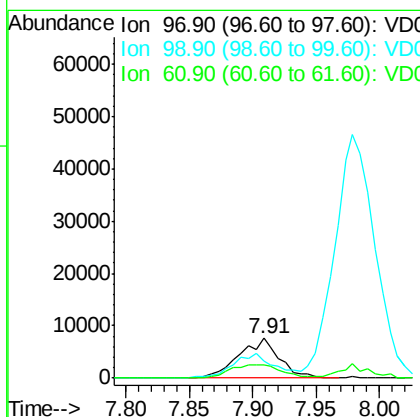
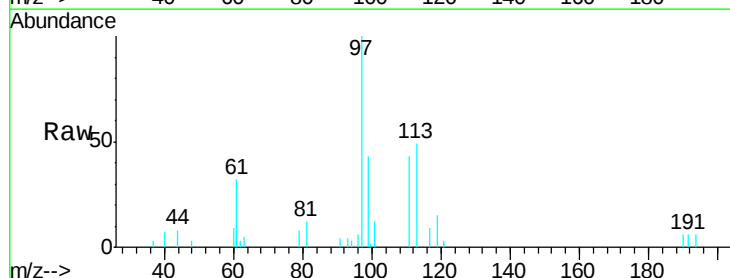
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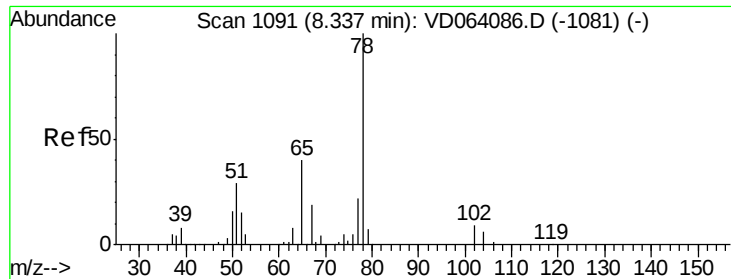
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#32
1,1,1-Trichloroethane
Concen: 5.071 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 97 Resp: 16906
Ion Ratio Lower Upper
97 100
99 64.3 53.7 80.5
61 42.6 31.8 47.6





#33
 1,2-Dichloroethane-d4
 Concen: 4.473 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

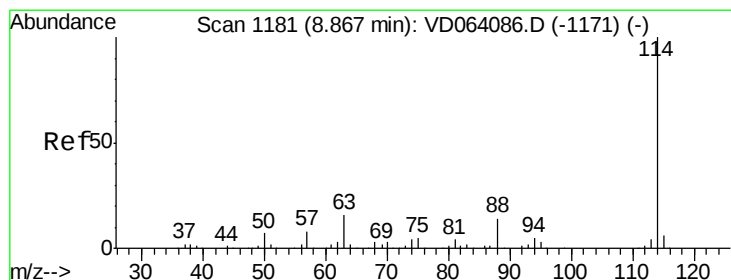
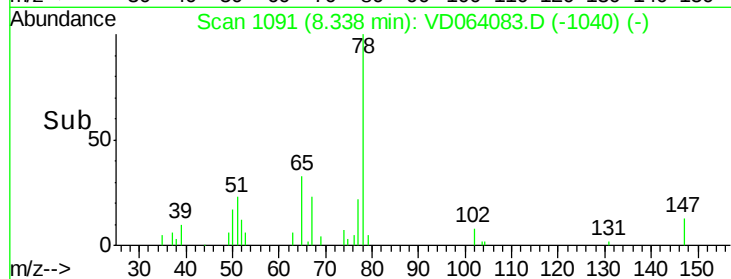
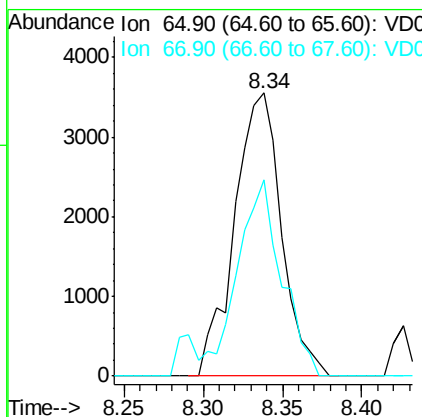
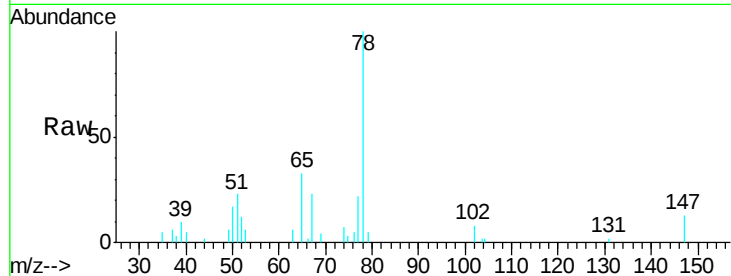
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 65 Resp: 7333
 Ion Ratio Lower Upper
 65 100
 67 62.0 0.0 104.6

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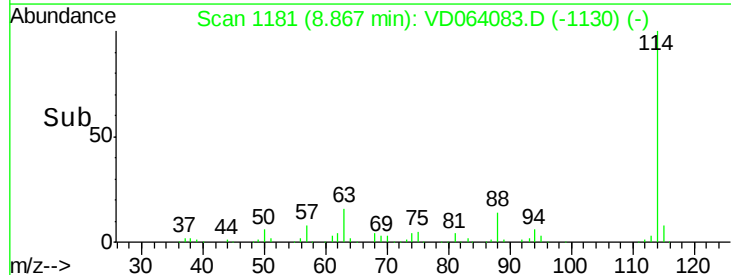
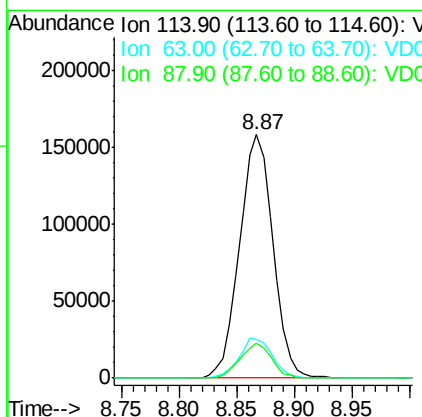
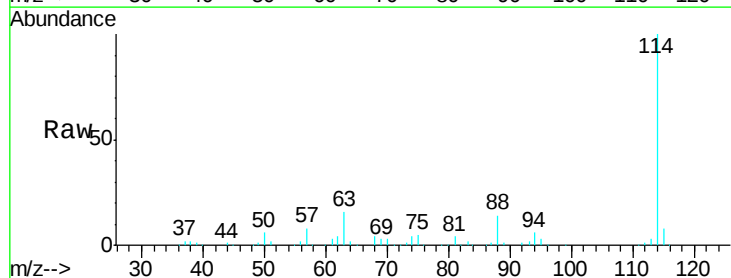
MMDadoda

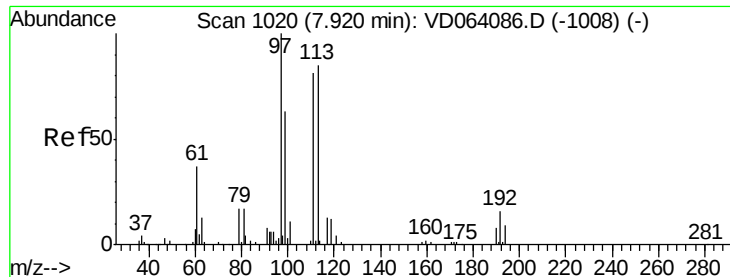
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion: 114 Resp: 318688
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 32.8
 88 14.3 0.0 27.6





#35
 Dibromofluoromethane
 Concen: 4.812 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

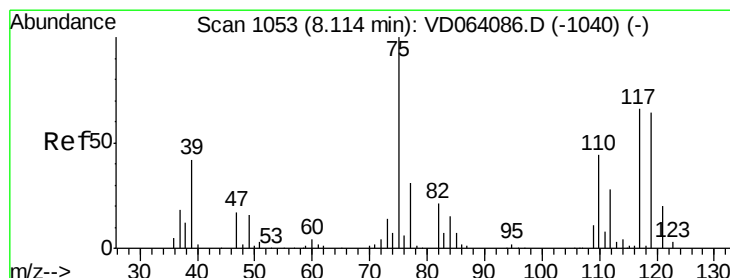
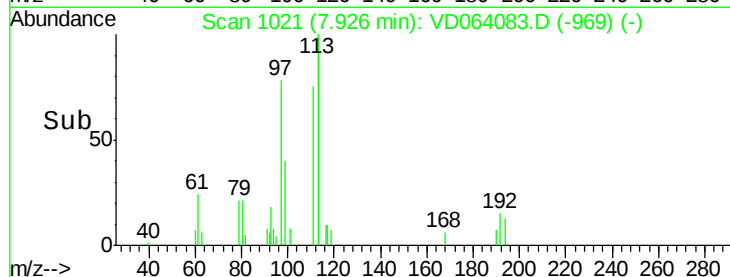
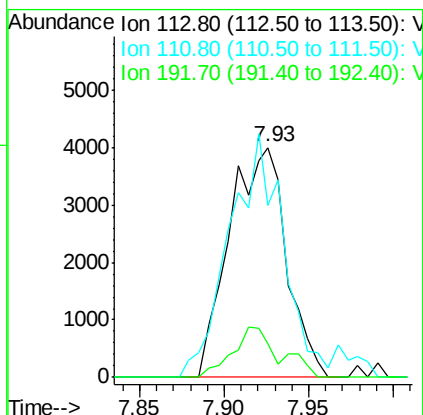
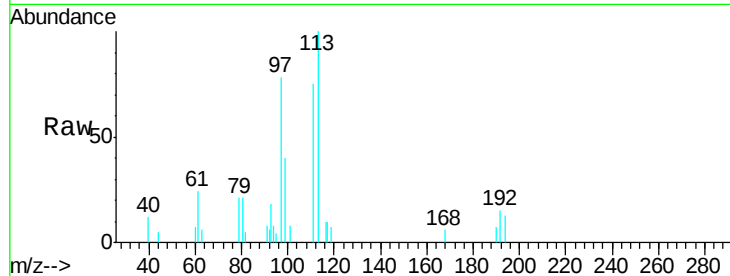
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.3	79.3	118.9
192	17.9	16.2	24.2

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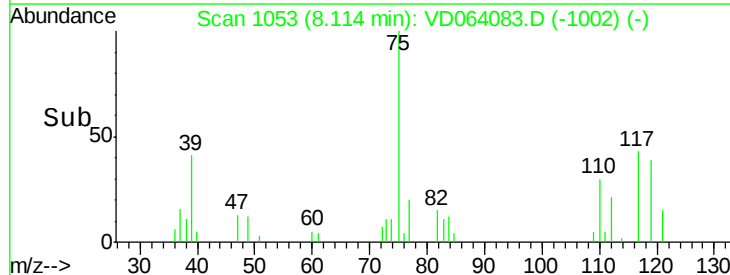
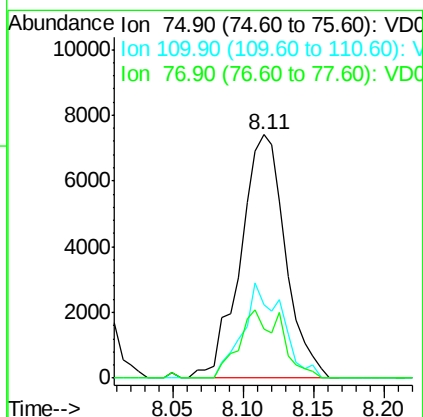
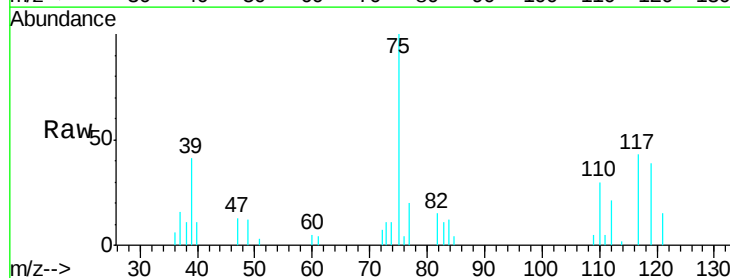
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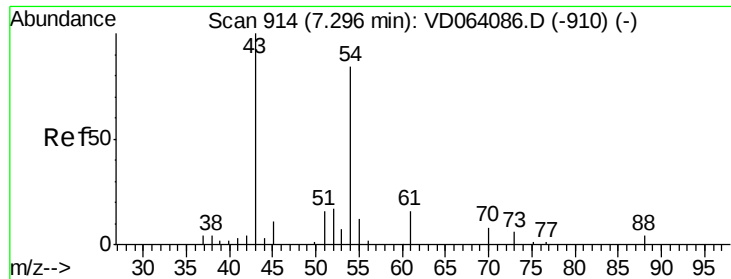
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#36
 1,1-Dichloropropene
 Concen: 5.528 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.4	20.0	59.9
77	26.6	24.7	37.1





#37
Ethyl Acetate
Concen: 4.851 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

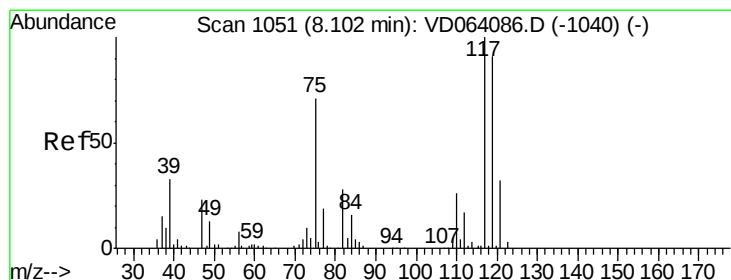
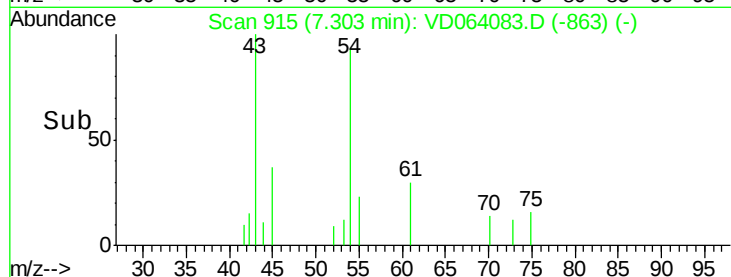
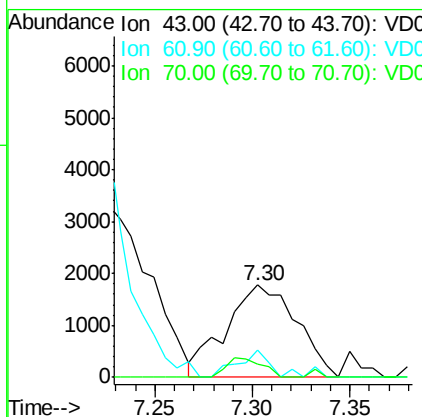
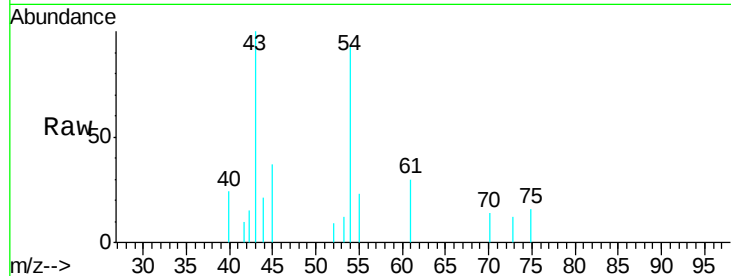
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 4459
Ion Ratio Lower Upper
43 100
61 13.7 12.0 18.0
70 10.8 3.8 5.6#

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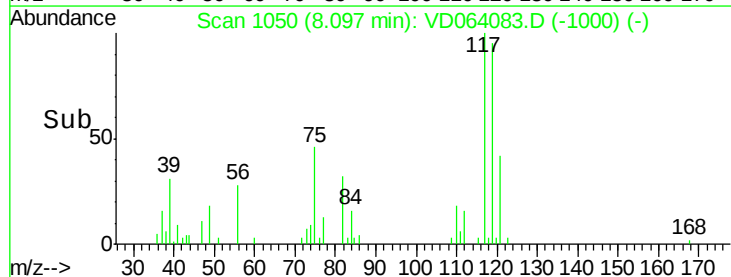
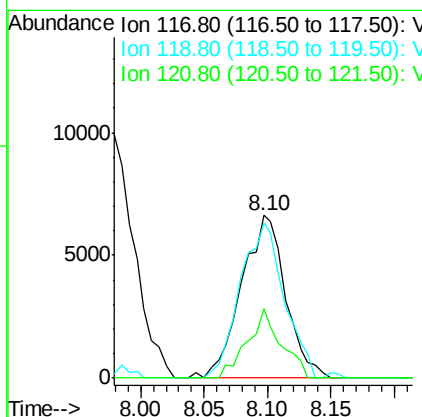
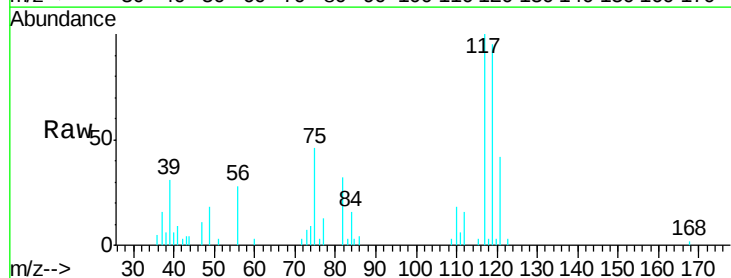
MMDadoda

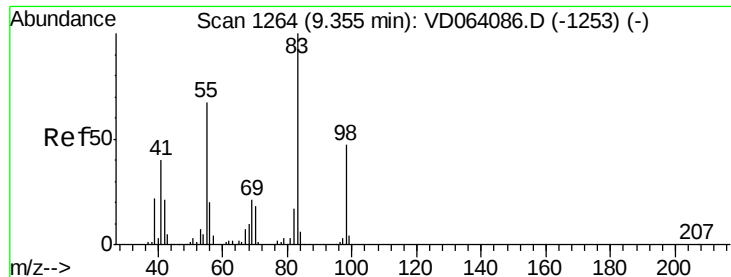
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#38
Carbon Tetrachloride
Concen: 4.927 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 117 Resp: 16053
Ion Ratio Lower Upper
117 100
119 95.3 72.6 108.8
121 42.3 25.8 38.6#





#39
Methylcyclohexane
Concen: 4.622 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

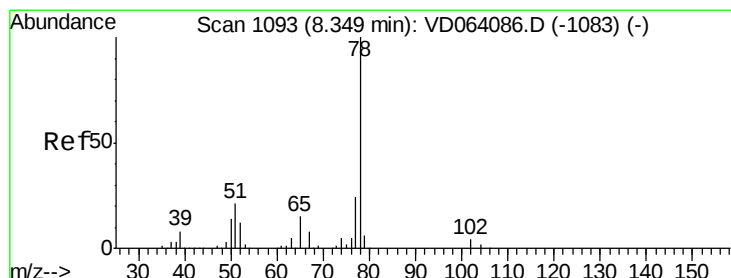
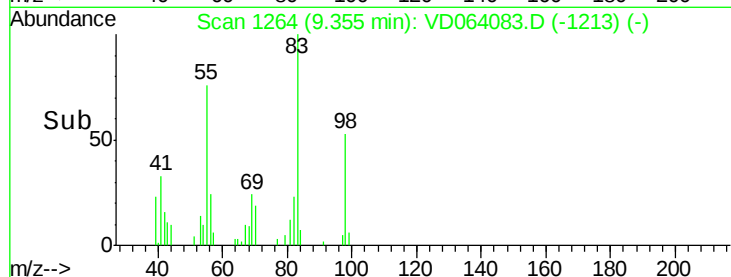
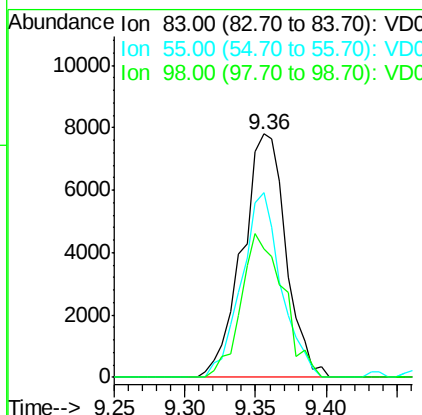
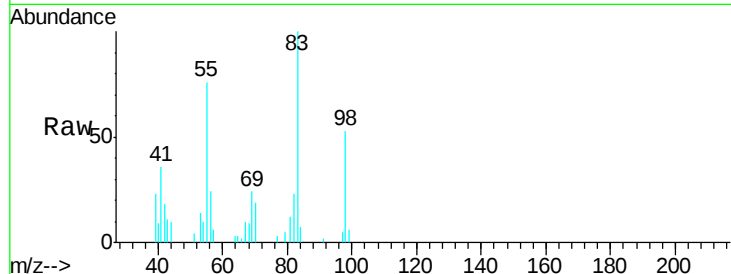
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.8	53.4	80.0
98	52.8	37.8	56.6

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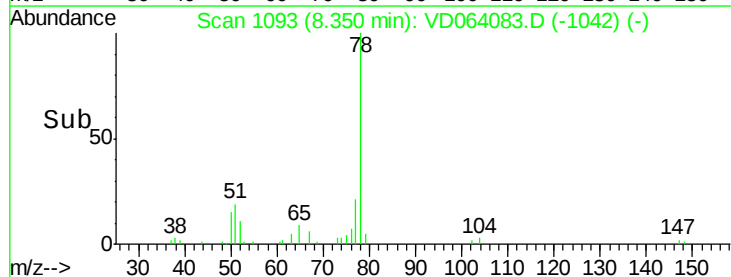
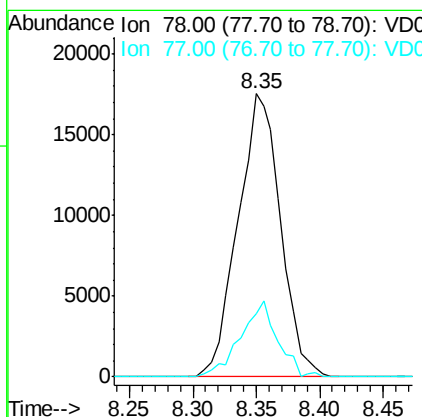
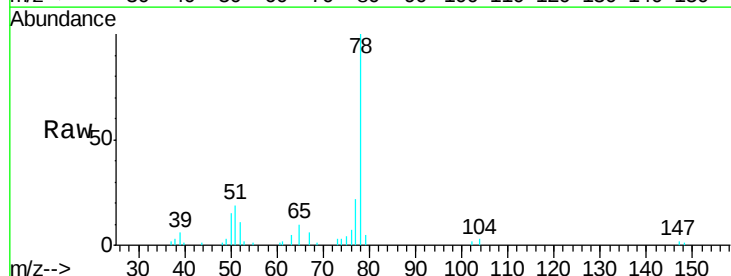
MMDadoda

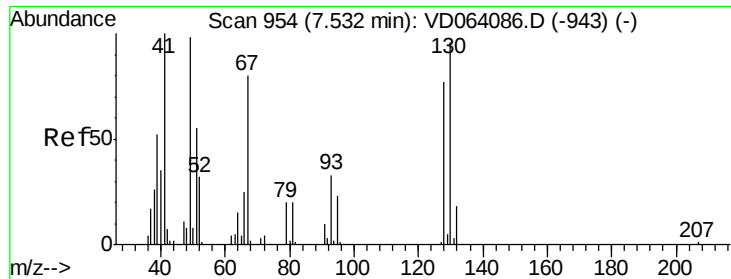
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#40
Benzene
Concen: 5.012 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.0	28.4





#41

Methacrylonitrile

Concen: 4.061 ug/l m

RT: 7.54 min Scan# 956

Delta R.T. 0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampled :

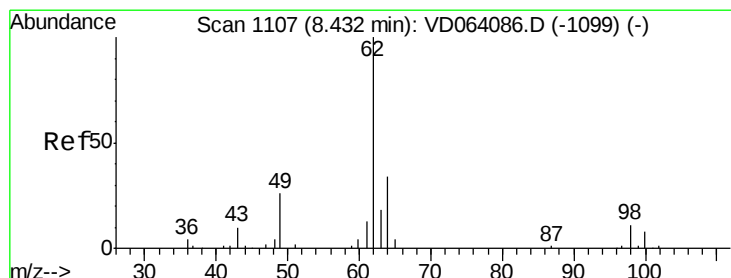
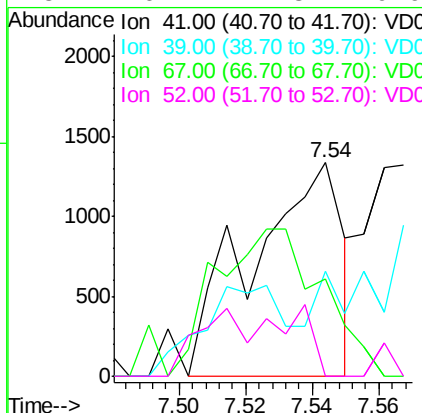
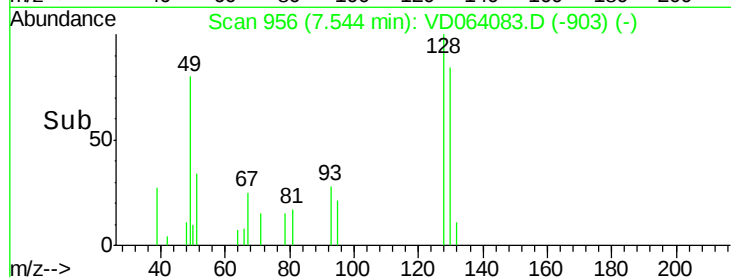
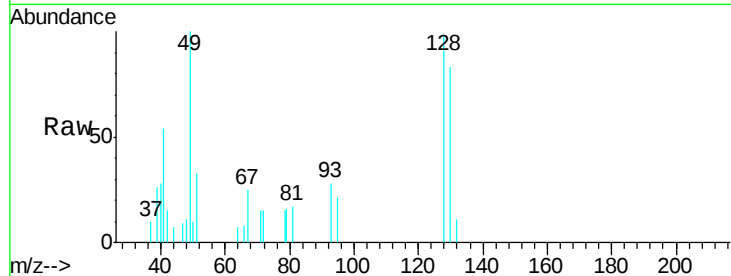
VSTDIC005

Tgt Ion:	41	Resp:	2533
Ion	Ratio	Lower	Upper
41	100		
39	41.5	41.0	61.4
67	84.9	73.4	110.0
52	16.7	27.3	40.9#

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#42

1,2-Dichloroethane

Concen: 5.154 ug/l

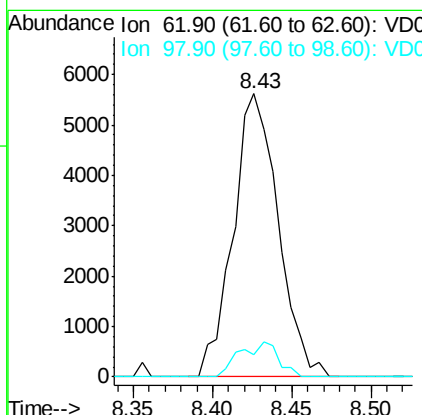
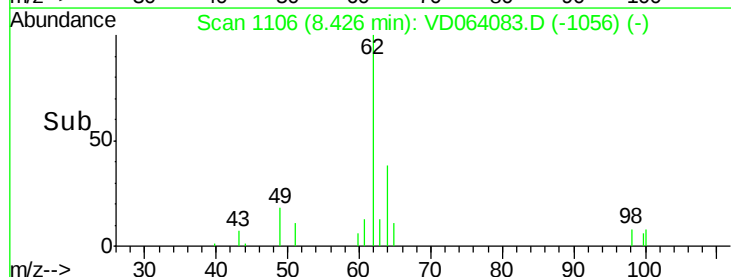
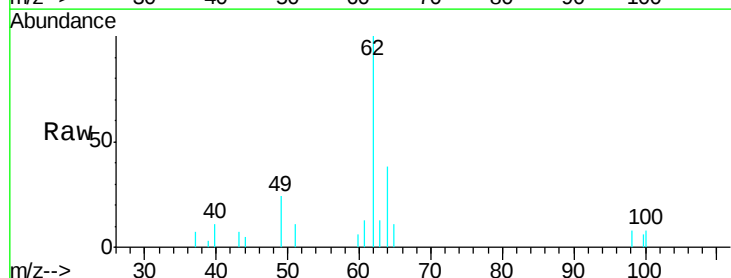
RT: 8.43 min Scan# 1106

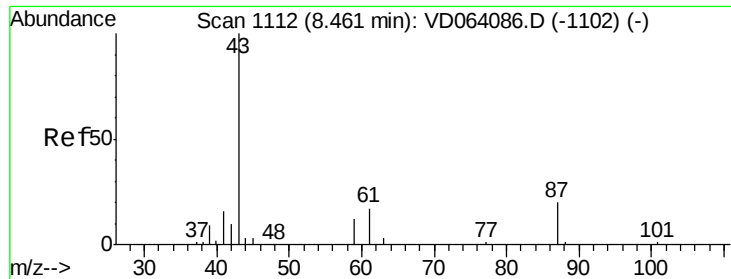
Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Tgt Ion:	62	Resp:	11086
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.0





#43
Isopropyl Acetate
Concen: 4.804 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

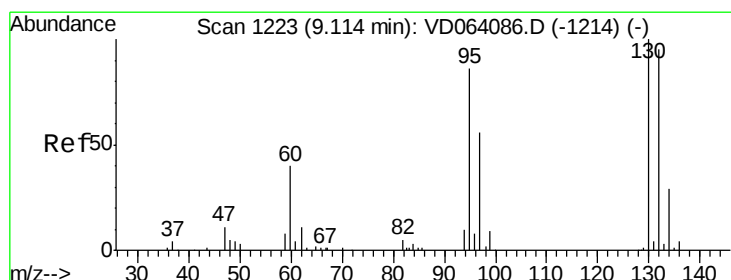
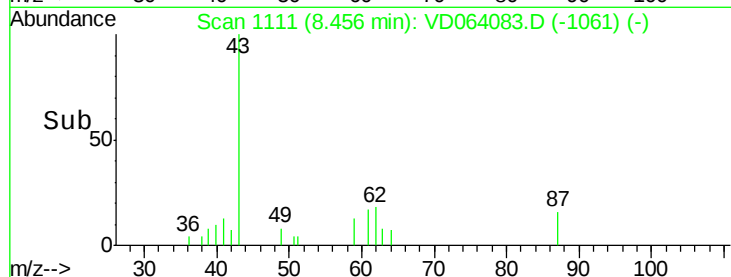
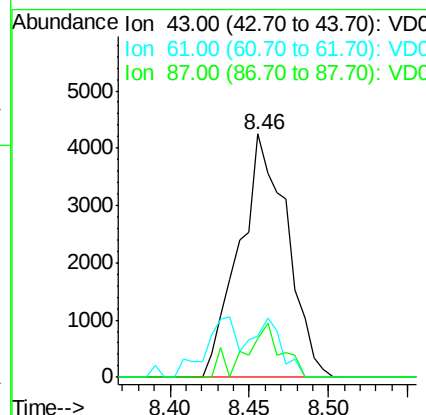
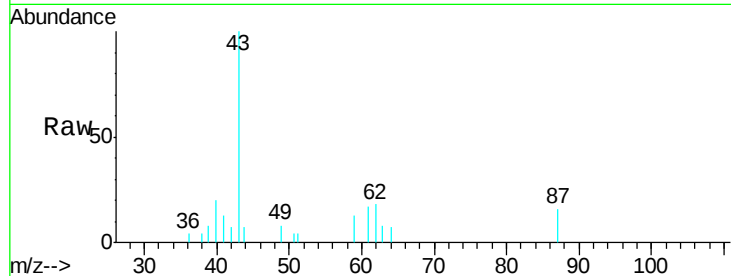
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 8923
Ion Ratio Lower Upper
43 100
61 12.4 25.8 38.8#
87 14.6 13.0 19.4

Manual Integrations
APPROVED

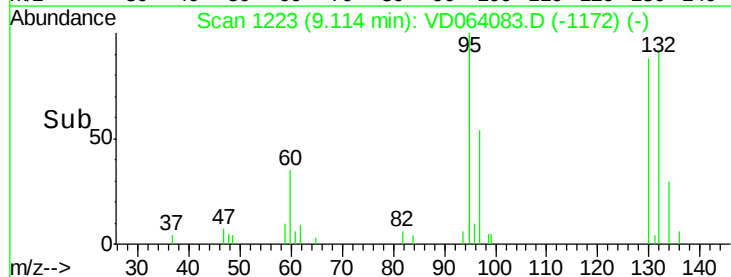
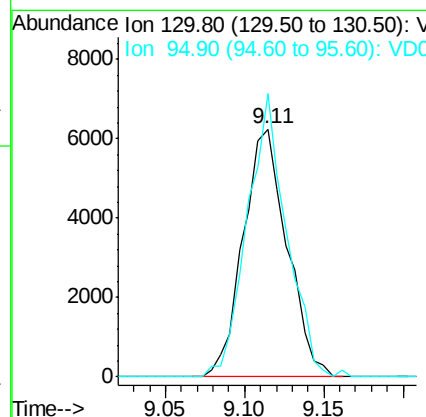
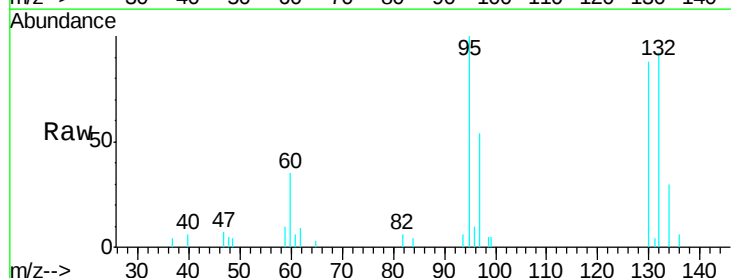
MMDadoda

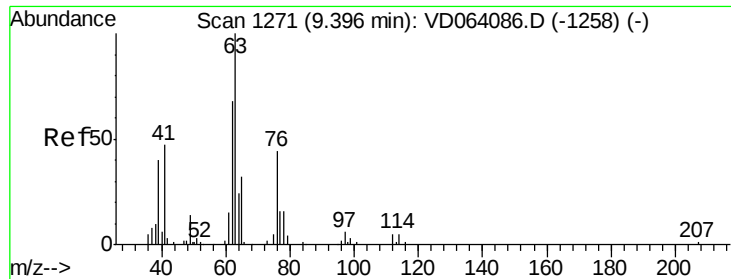
10/30/2019 10:58:00 AM



#44
Trichloroethene
Concen: 4.851 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 130 Resp: 11974
Ion Ratio Lower Upper
130 100
95 114.1 0.0 173.0





#45
 1,2-Dichloropropane
 Concen: 5.102 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

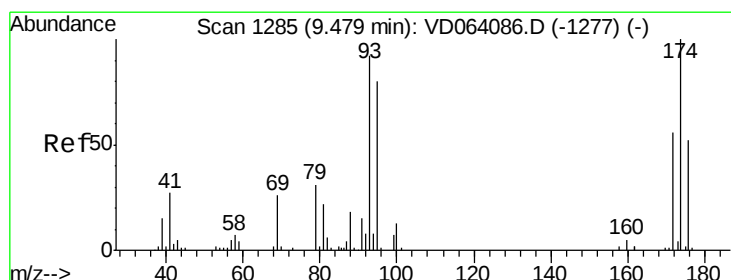
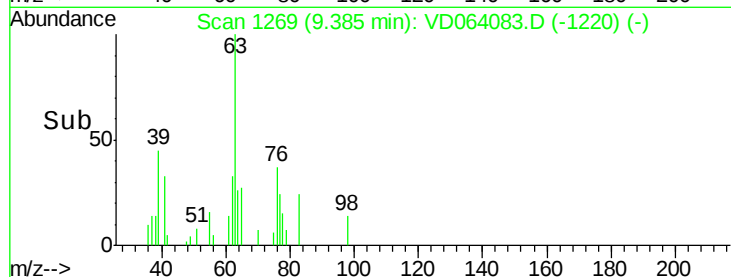
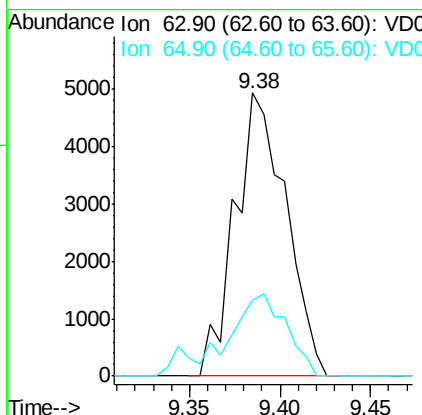
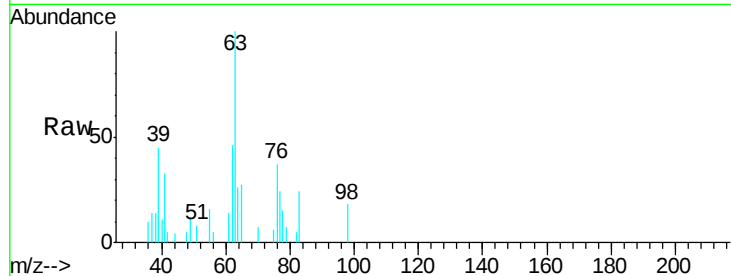
Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC005

Tgt Ion: 63 Resp: 9628
 Ion Ratio Lower Upper
 63 100
 65 27.0 25.8 38.8

Manual Integrations
 APPROVED

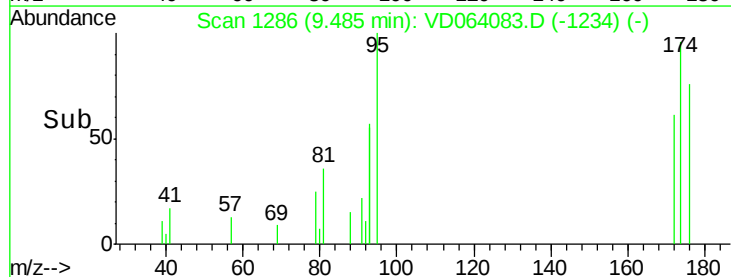
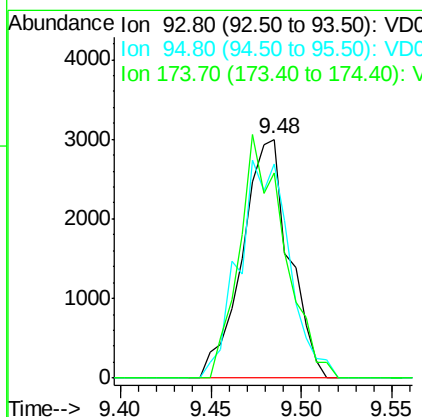
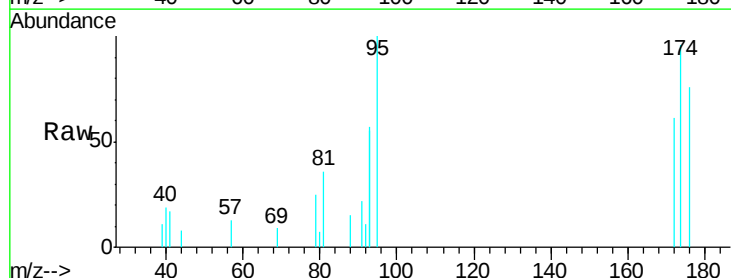
MMDadoda

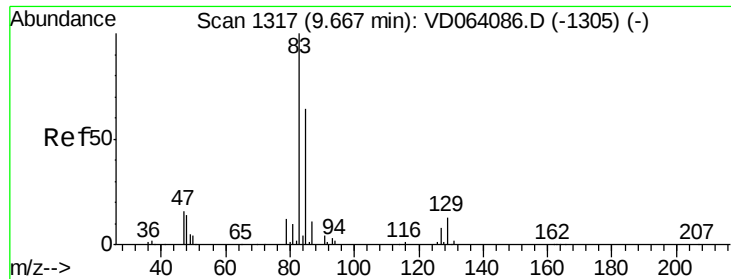
10/30/2019 10:58:00 AM



#46
 Dibromomethane
 Concen: 4.768 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion: 93 Resp: 5419
 Ion Ratio Lower Upper
 93 100
 95 97.8 67.4 101.2
 174 97.2 86.4 129.6





#47
Bromodichloromethane
Concen: 4.776 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

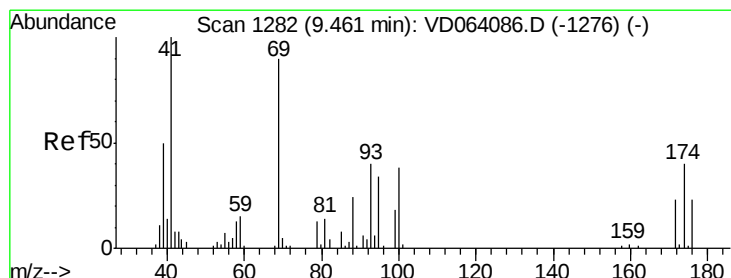
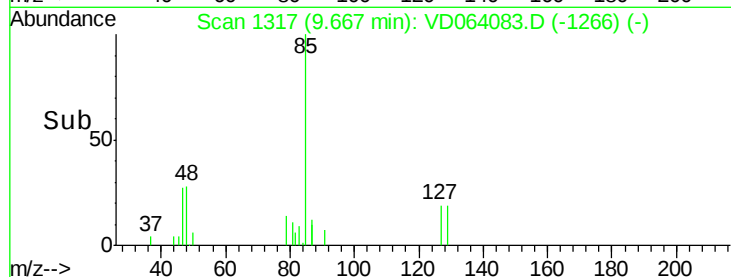
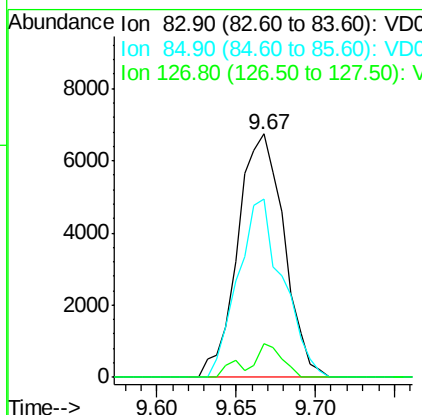
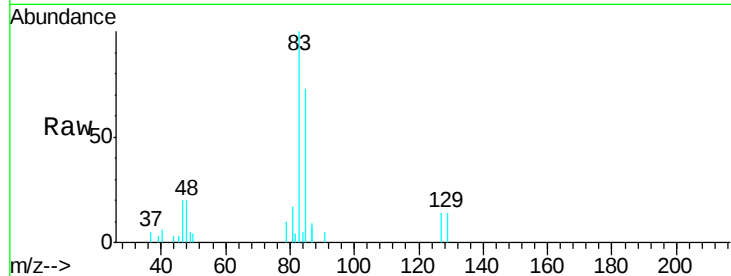
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
85	73.3	51.4	77.0
127	13.8	6.7	10.1

Manual Integrations
APPROVED

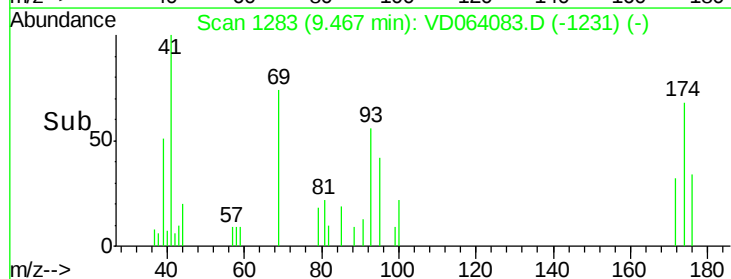
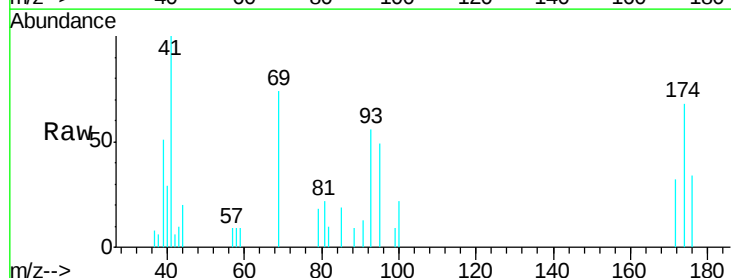
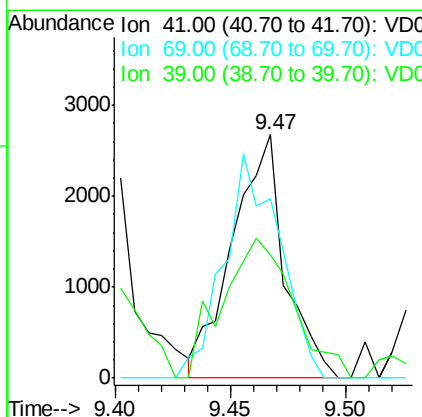
MMDadoda

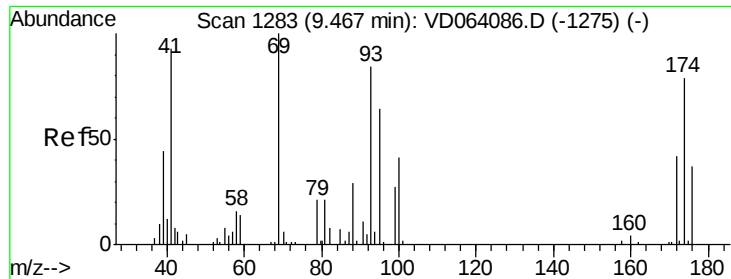
10/30/2019 10:58:00 AM



#48
Methyl methacrylate
Concen: 4.931 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	97.9	82.6	124.0
39	77.6	47.0	70.4





#49
1,4-Dioxane
Concen: 77.016 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

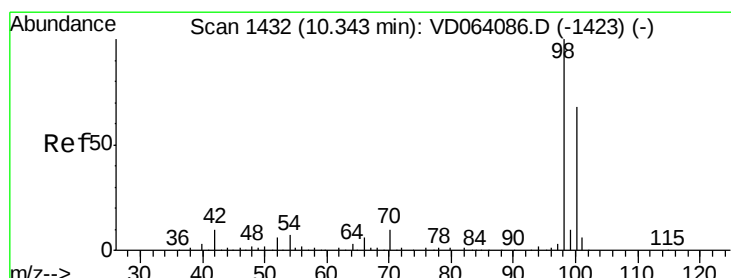
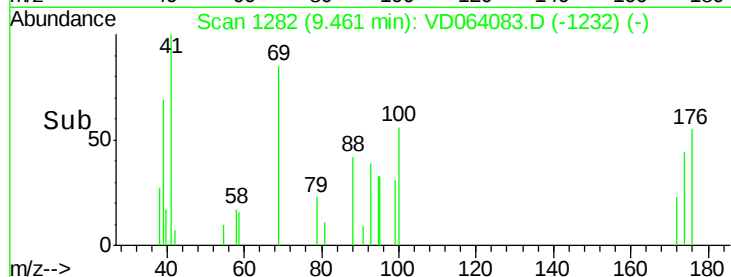
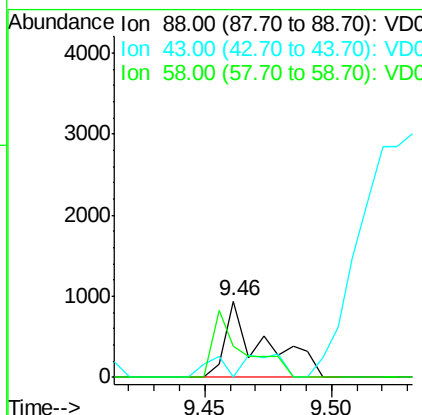
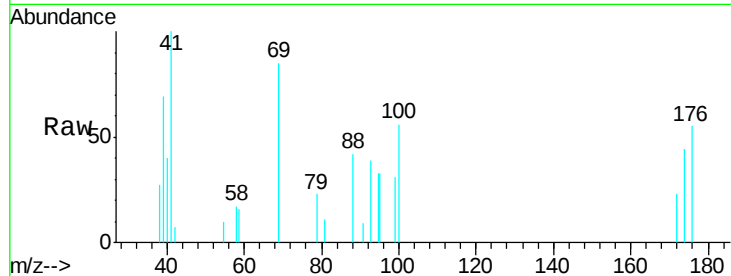
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 88 Resp: 1002
Ion Ratio Lower Upper
88 100
43 0.0 13.4 20.0#
58 69.8 46.7 70.1

Manual Integrations
APPROVED

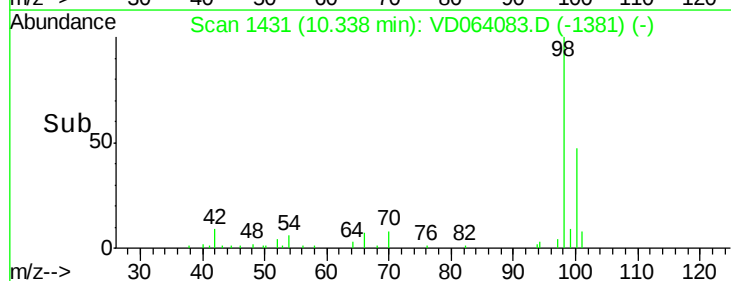
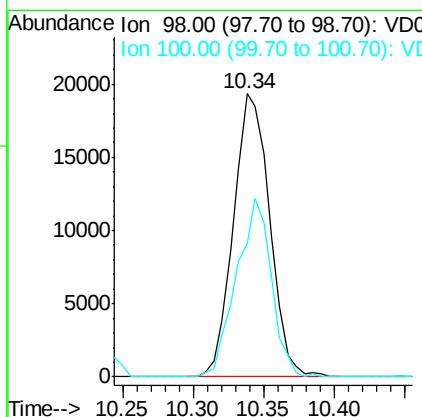
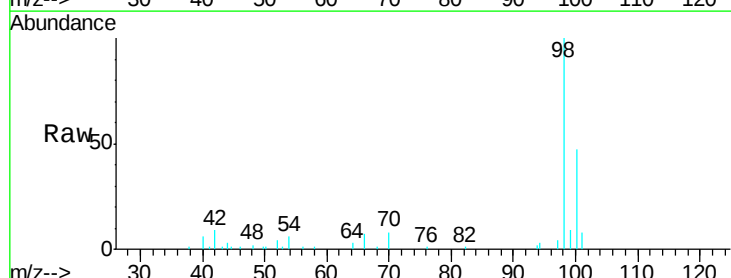
MMDadoda

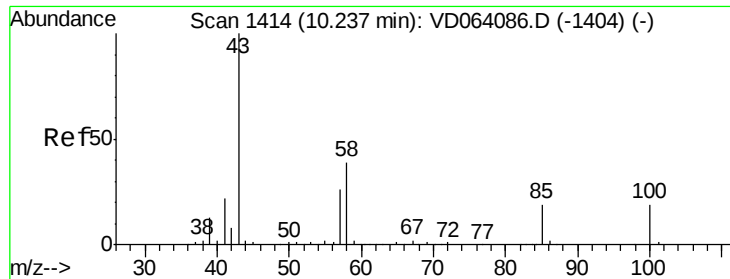
10/30/2019 10:58:00 AM



#50
Toluene-d8
Concen: 4.430 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 98 Resp: 34732
Ion Ratio Lower Upper
98 100
100 60.5 53.4 80.0





#51
4-Methyl-2-Pentanone
Concen: 21.806 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

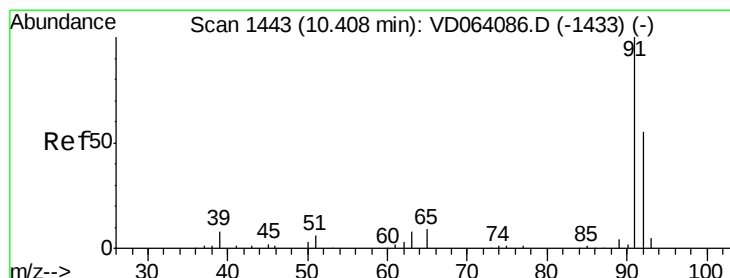
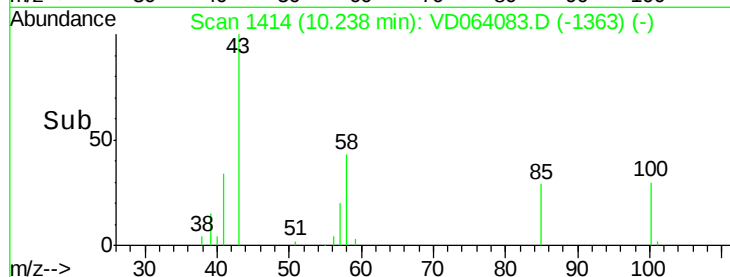
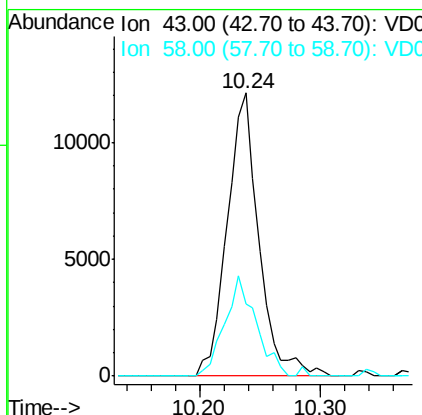
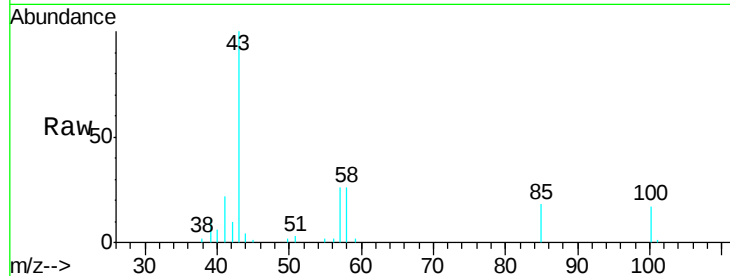
Instrument :
MSVOA_D
ClientSampled :
VSTDIC005

Tgt Ion: 43 Resp: 22052
Ion Ratio Lower Upper
43 100
58 35.0 33.0 49.4

Manual Integrations
APPROVED

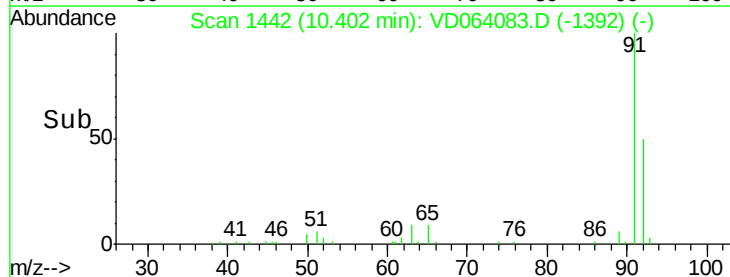
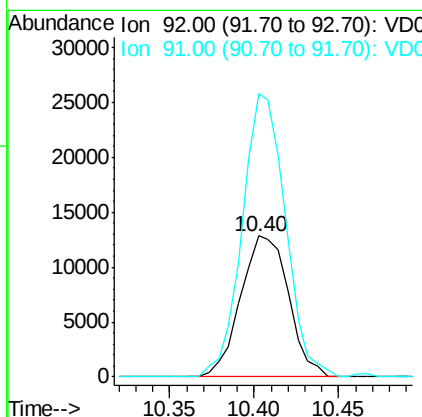
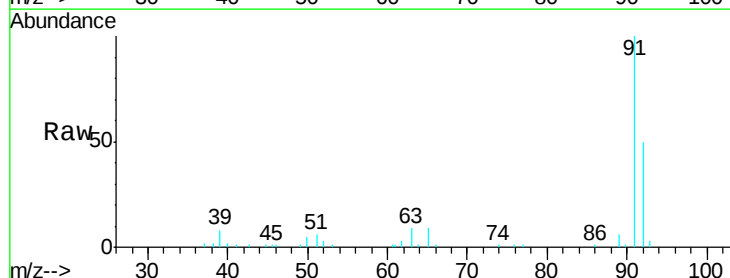
MMDadoda

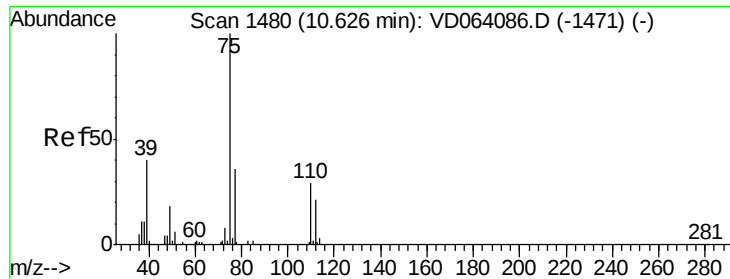
10/30/2019 10:58:00 AM



#52
Toluene
Concen: 4.433 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 92 Resp: 25301
Ion Ratio Lower Upper
92 100
91 181.4 140.7 211.1





#53
 t-1,3-Dichloropropene
 Concen: 4.387 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

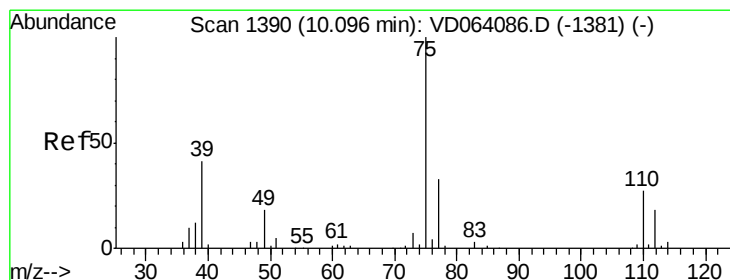
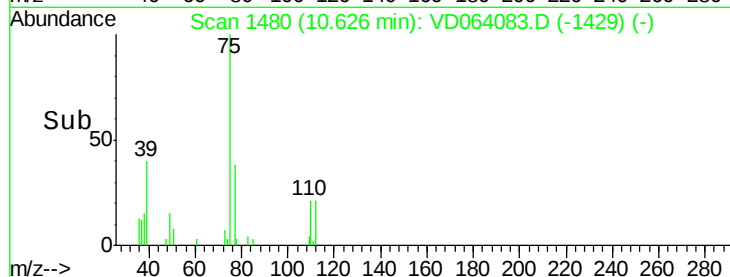
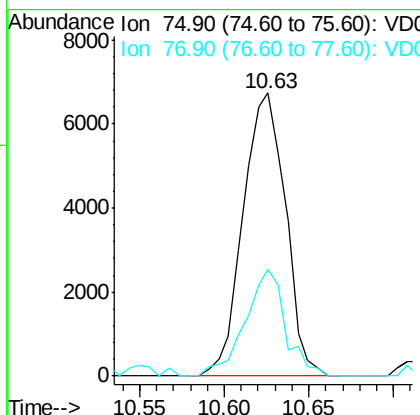
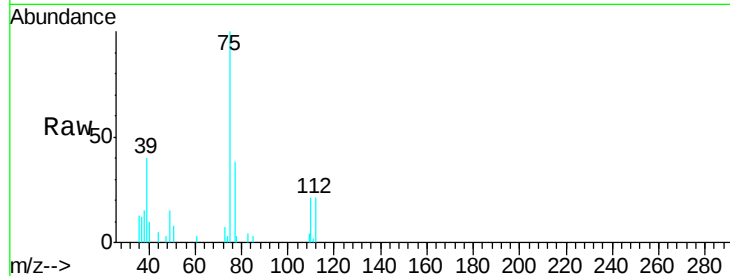
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 75 Resp: 11743
 Ion Ratio Lower Upper
 75 100
 77 37.6 28.7 43.1

Manual Integrations
 APPROVED

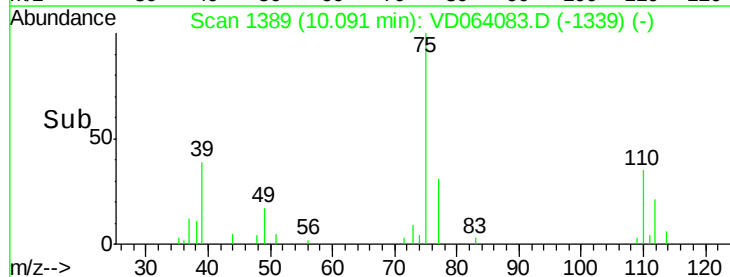
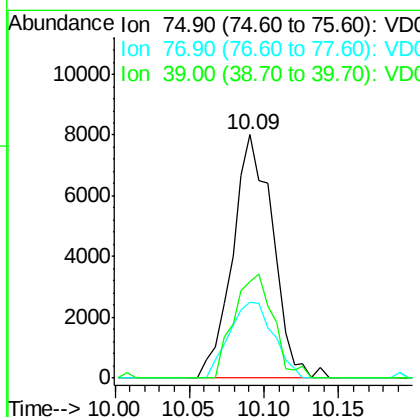
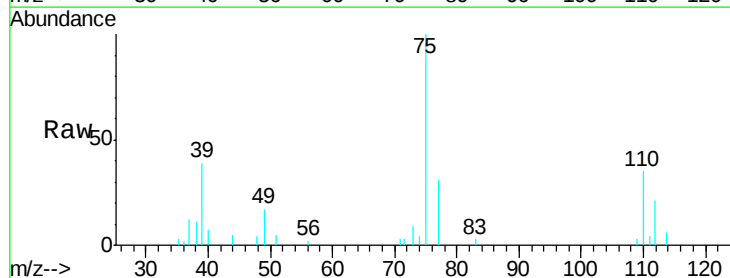
MMDadoda

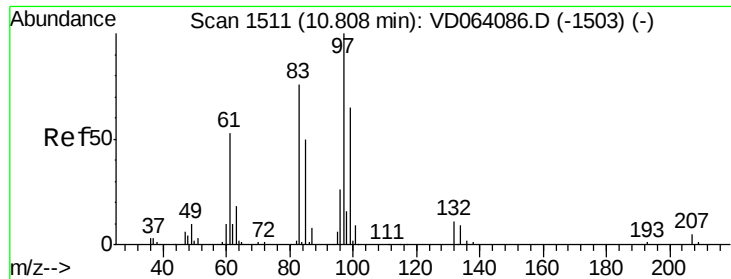
10/30/2019 10:58:00 AM



#54
 cis-1,3-Dichloropropene
 Concen: 4.743 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion: 75 Resp: 14937
 Ion Ratio Lower Upper
 75 100
 77 31.4 26.8 40.2
 39 39.4 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 4.645 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

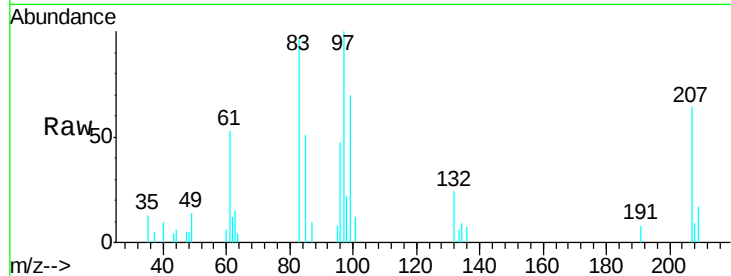
VSTDIC005

Tgt Ion:	97	Resp:	7485
Ion	Ratio	Lower	Upper
97	100		
83	96.6	60.9	91.3#
85	50.9	40.2	60.2
99	69.7	51.9	77.9

Manual Integrations
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MMDadoda

10/30/2019 10:58:00 AM

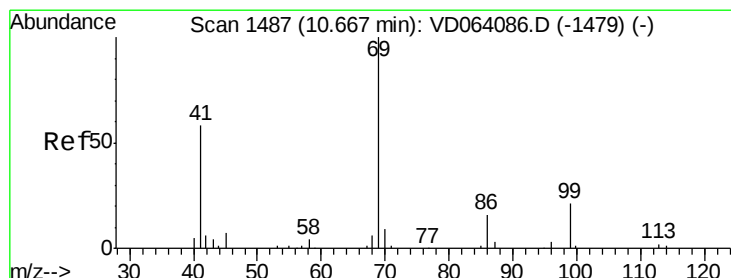
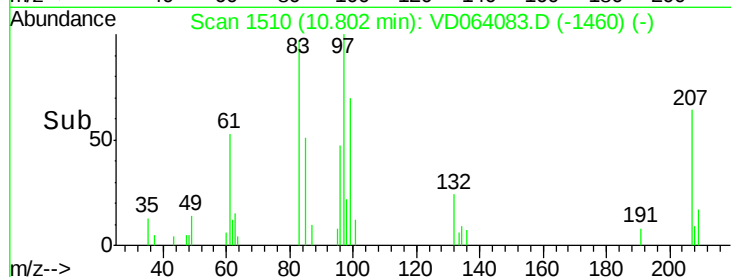
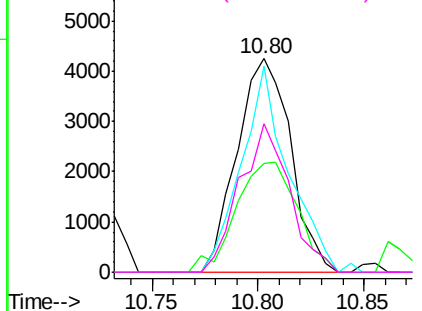


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 3.854 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD064083.D

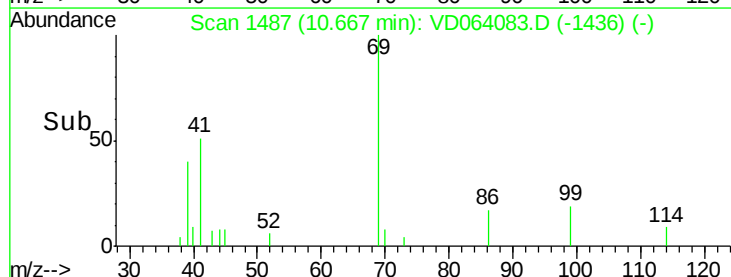
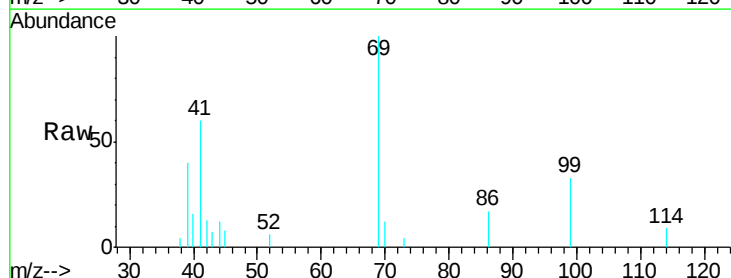
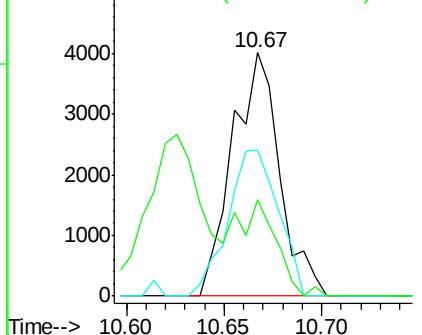
Acq: 29 Oct 2019 12:15

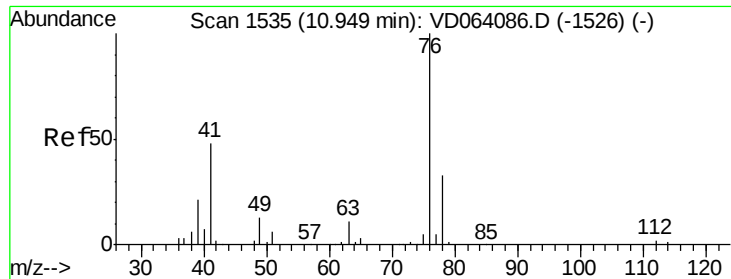
Tgt Ion:	69	Resp:	6744
Ion	Ratio	Lower	Upper
69	100		
41	63.9	46.9	70.3
39	33.1	27.3	40.9

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57
 1,3-Dichloropropane
 Concen: 4.810 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

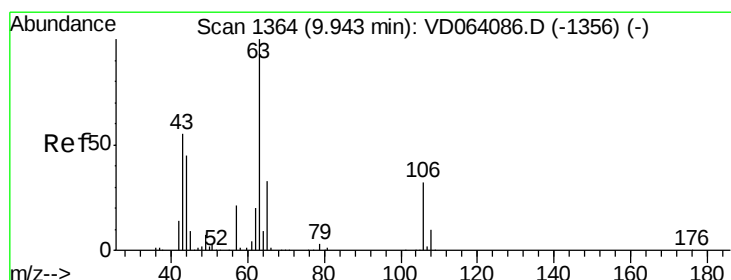
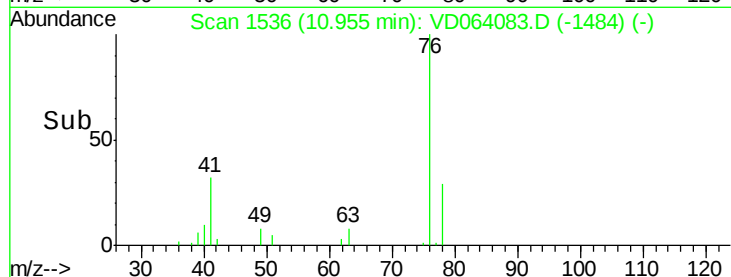
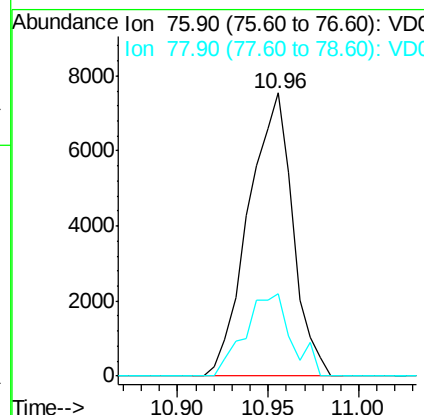
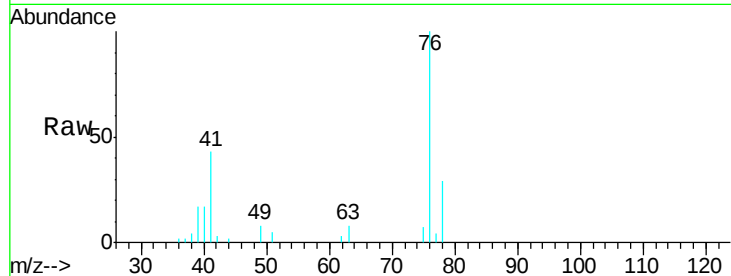
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 76 Resp: 12818
 Ion Ratio Lower Upper
 76 100
 78 30.4 25.9 38.9

Manual Integrations
 APPROVED

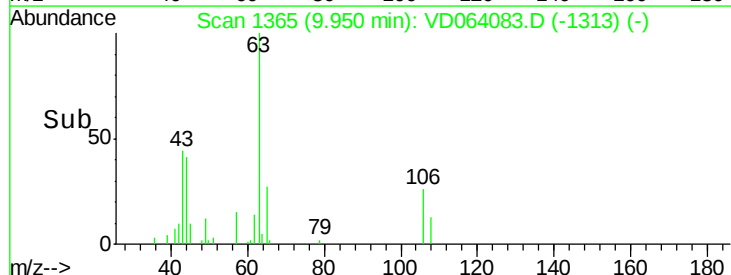
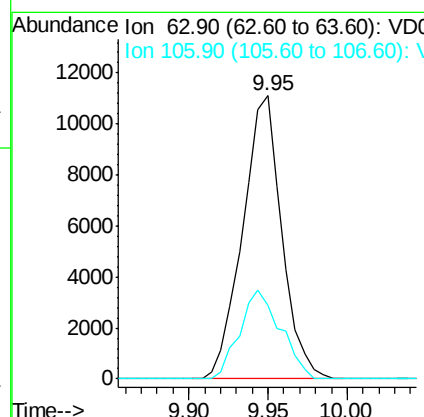
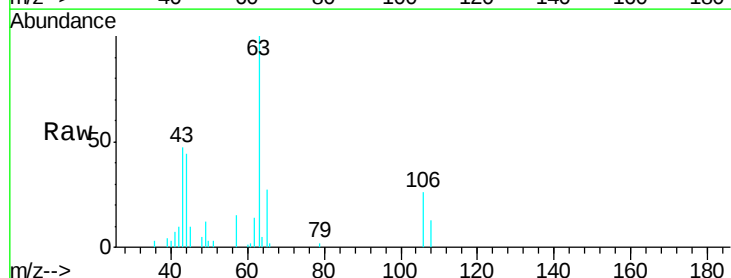
MMDadoda

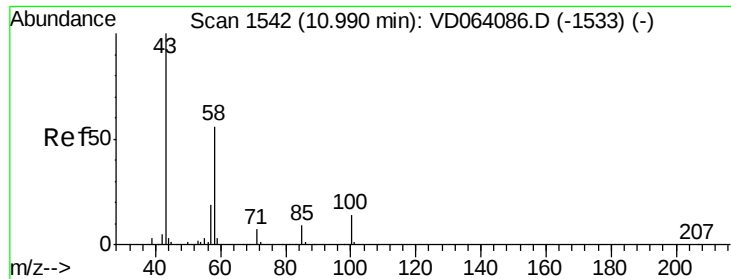
10/30/2019 10:58:00 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 26.975 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion: 63 Resp: 19044
 Ion Ratio Lower Upper
 63 100
 106 32.8 25.8 38.8





#59
2-Hexanone
Concen: 19.076 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

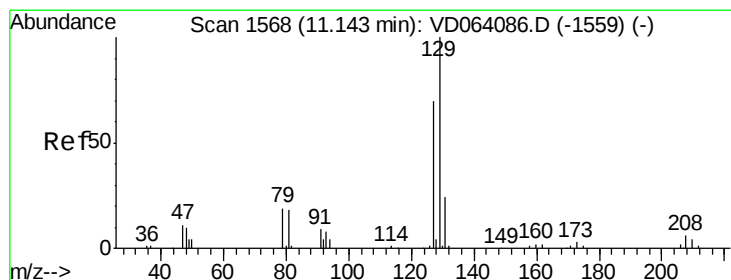
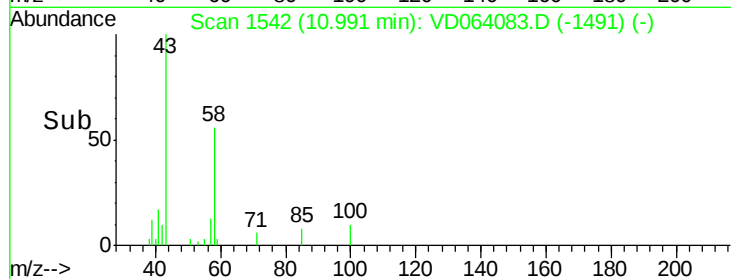
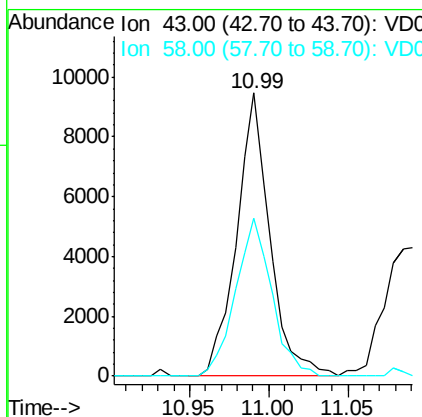
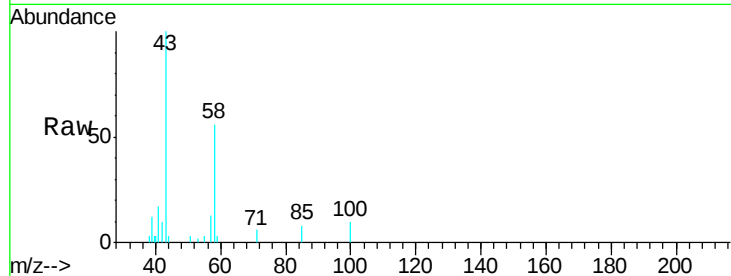
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 13748
Ion Ratio Lower Upper
43 100
58 61.0 29.2 87.6

Manual Integrations
APPROVED

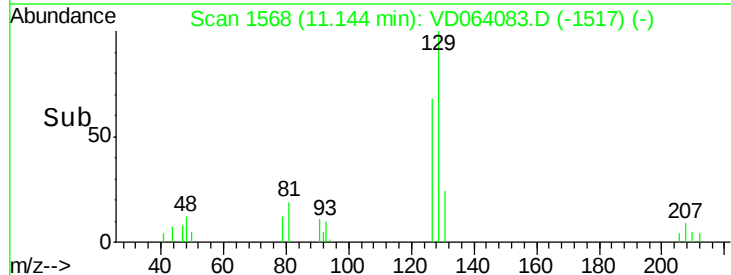
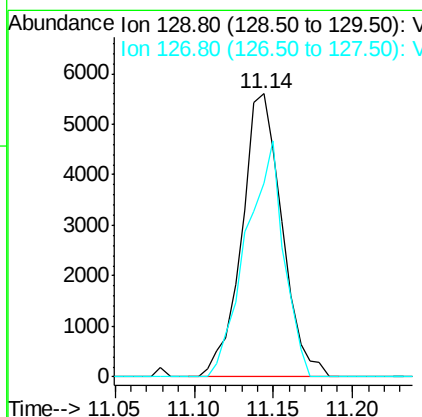
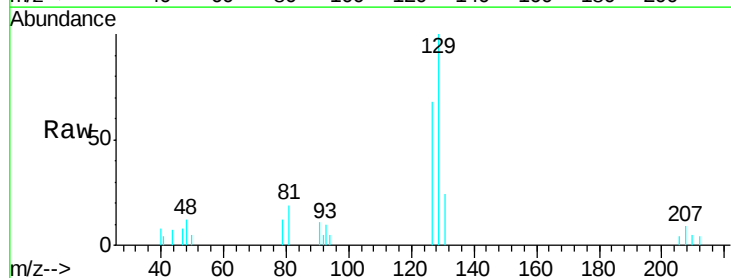
MMDadoda

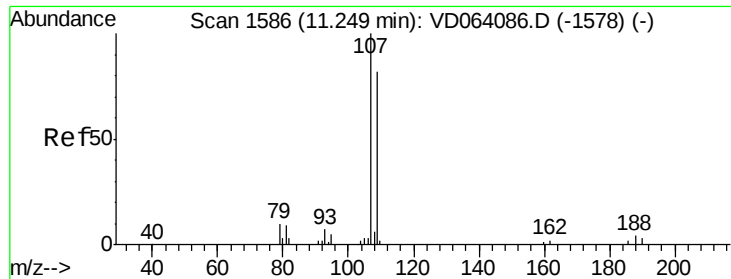
10/30/2019 10:58:00 AM



#60
Dibromochloromethane
Concen: 4.528 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 129 Resp: 9904
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.8





#61
1,2-Dibromoethane
Concen: 4.101 ug/l
RT: 11.26 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

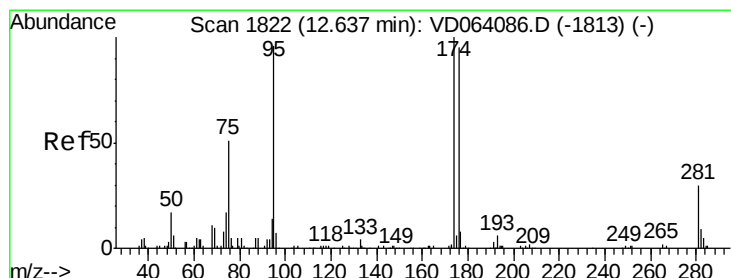
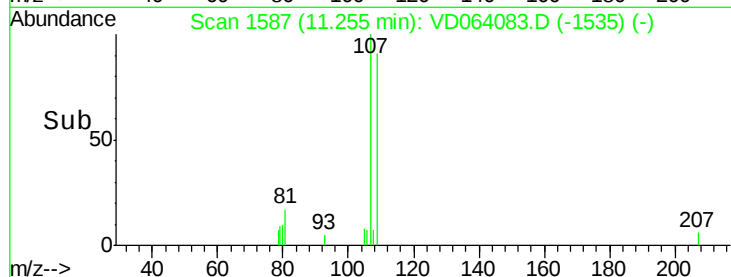
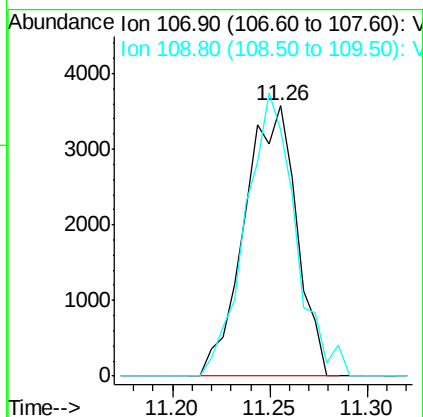
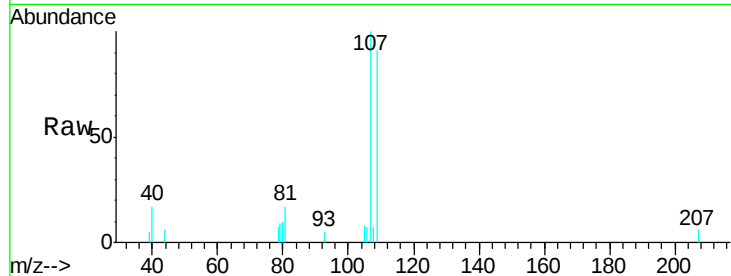
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 107 Resp: 6610
Ion Ratio Lower Upper
107 100
109 100.1 73.0 109.4

Manual Integrations
APPROVED

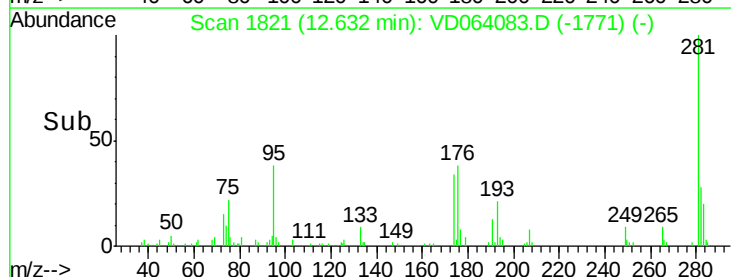
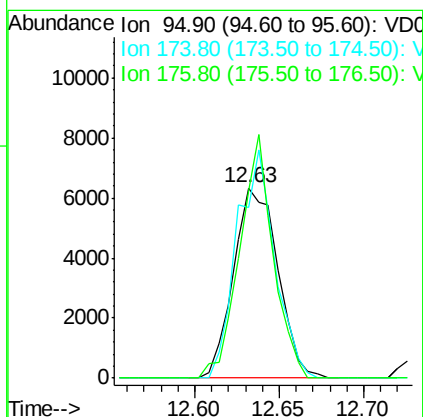
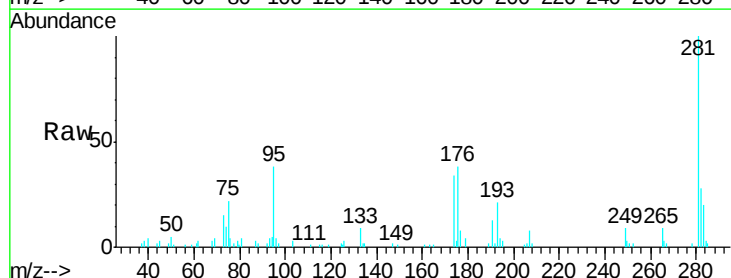
MMDadoda

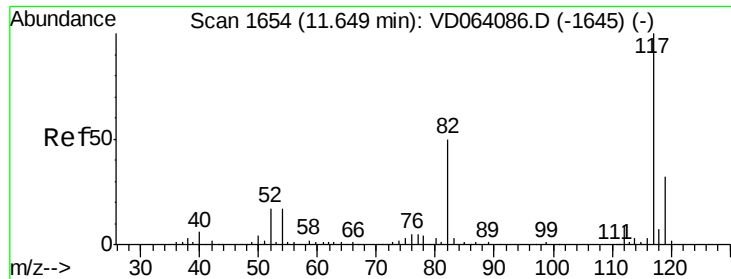
10/30/2019 10:58:00 AM



#62
4-Bromofluorobenzene
Concen: 4.455 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion: 95 Resp: 11580
Ion Ratio Lower Upper
95 100
174 102.6 0.0 201.6
176 96.4 0.0 192.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

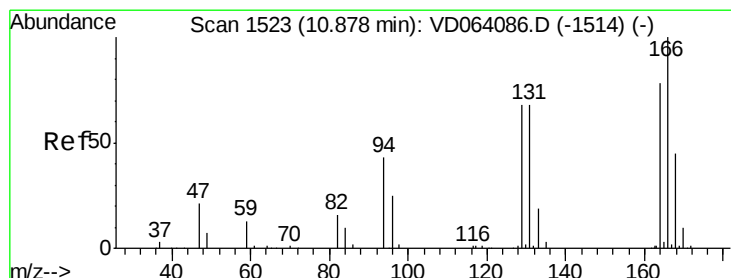
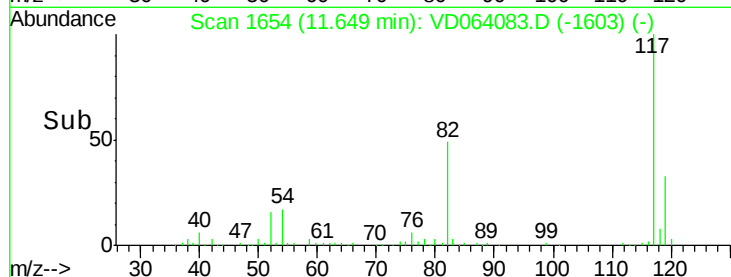
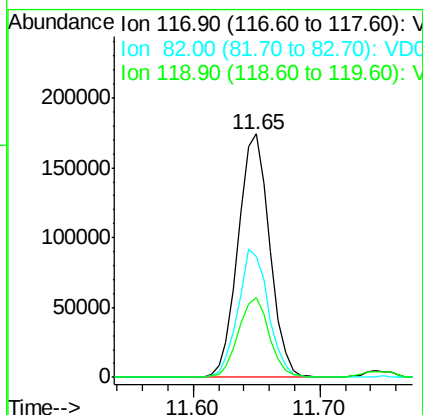
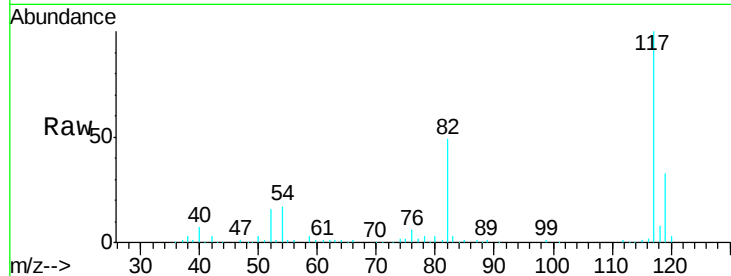
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
117	100		
82	49.5	40.2	60.4
119	33.0	26.0	39.0

Manual Integrations
APPROVED

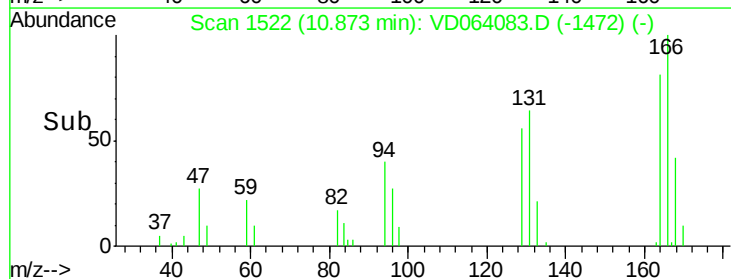
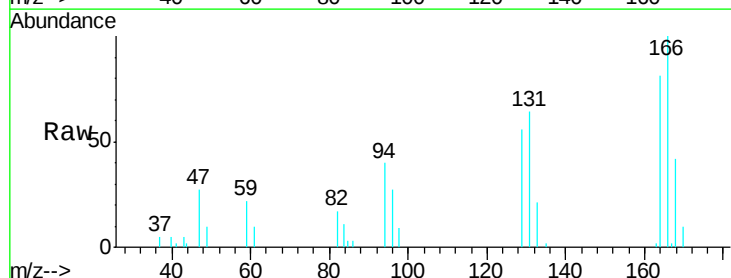
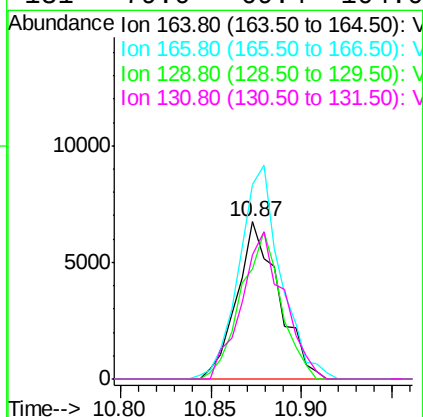
MMDadoda

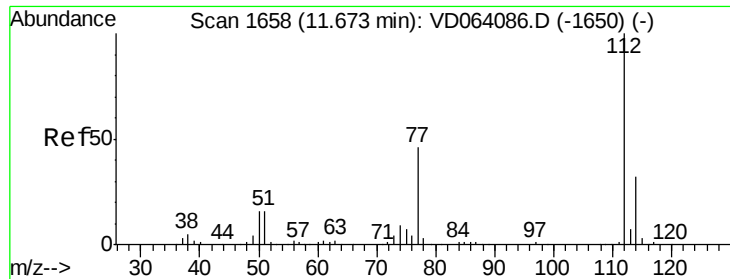
10/30/2019 10:58:00 AM



#64
Tetrachloroethene
Concen: 5.007 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	102.7	154.1
129	69.8	69.8	104.6
131	79.0	69.4	104.0





#65
Chlorobenzene
Concen: 4.872 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

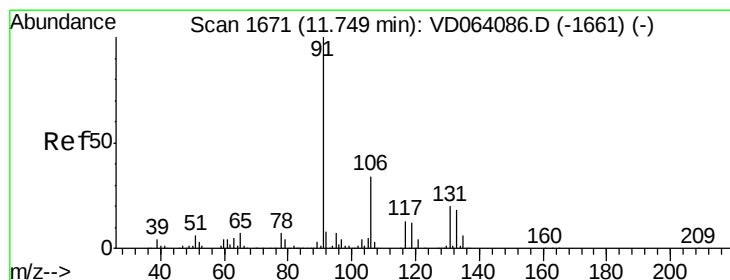
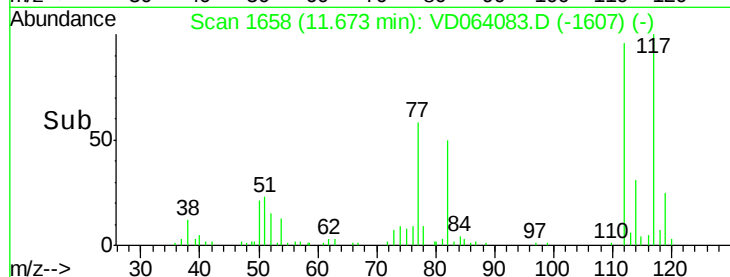
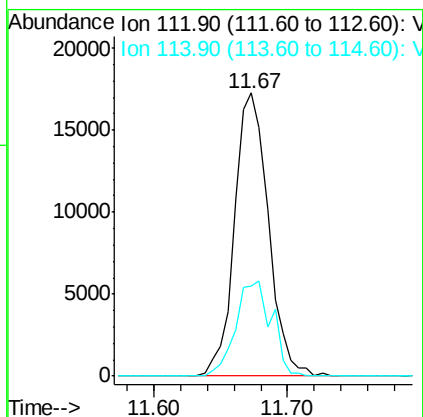
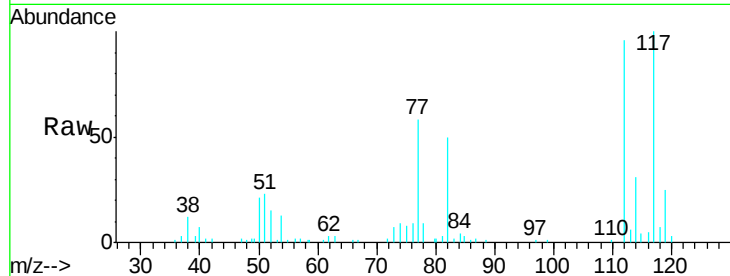
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 30330
Ion Ratio Lower Upper
112 100
114 31.8 25.4 38.0

Manual Integrations
APPROVED

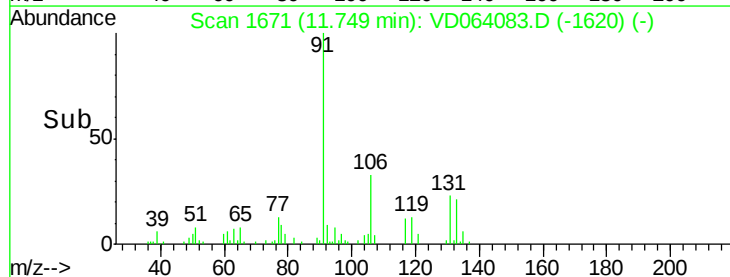
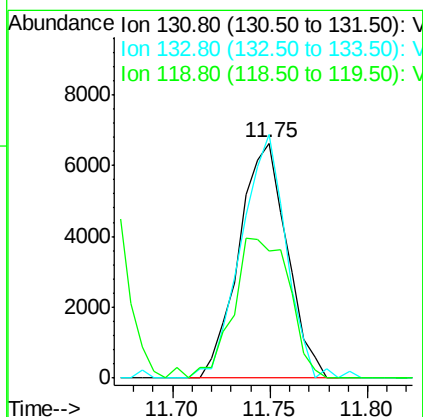
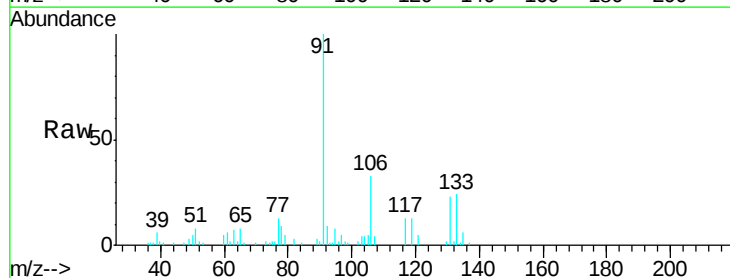
MMDadoda

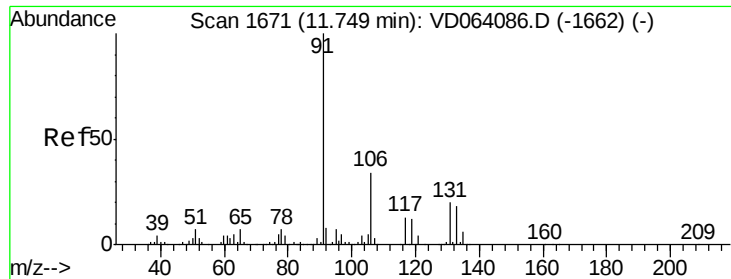
10/30/2019 10:58:00 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.862 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion:131 Resp: 11327
Ion Ratio Lower Upper
131 100
133 97.0 47.6 142.9
119 69.9 31.4 94.3





#67

Ethyl Benzene

Concen: 4.460 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 49393

Ion Ratio Lower Upper

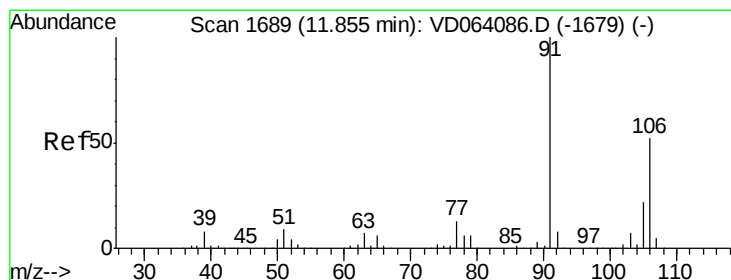
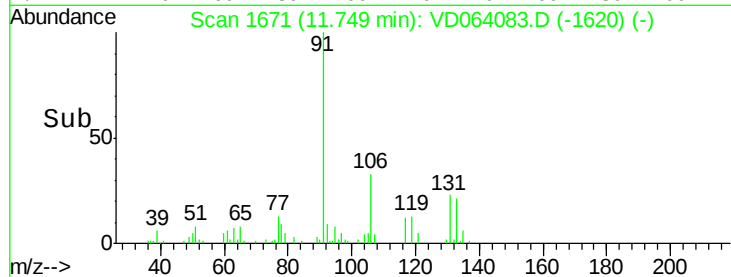
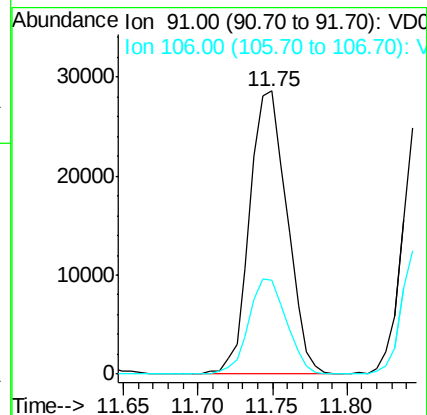
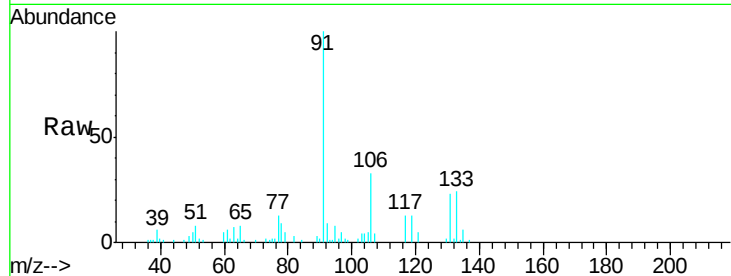
91 100

106 33.2 27.0 40.6

Manual Integrations
APPROVED

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10/30/2019 10:58:00 AM



#68

m/p-Xylenes

Concen: 8.934 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064083.D

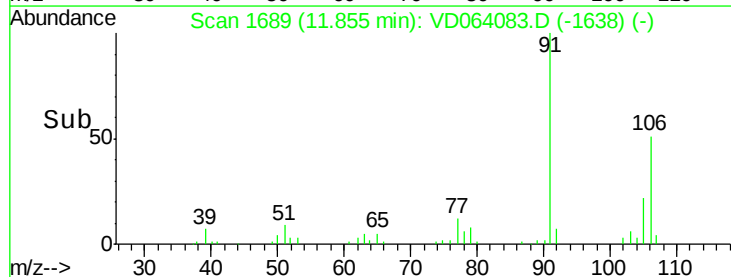
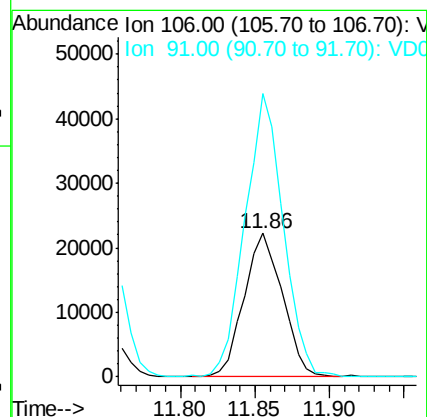
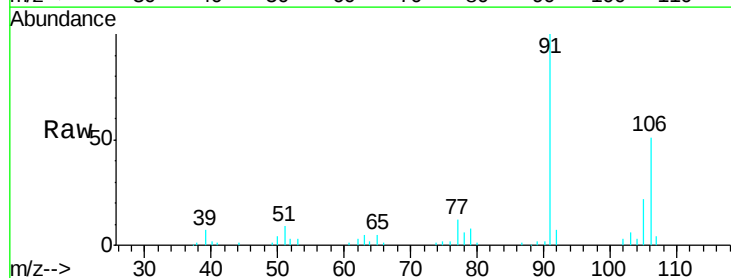
Acq: 29 Oct 2019 12:15

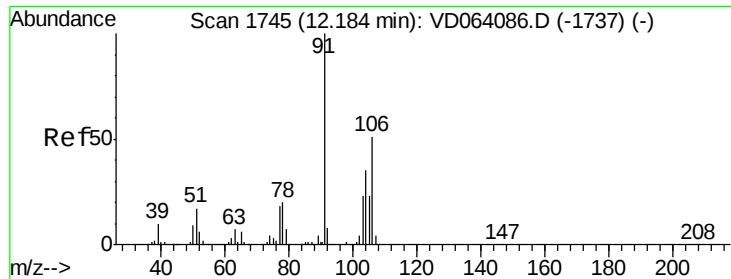
Tgt Ion: 106 Resp: 39791

Ion Ratio Lower Upper

106 100

91 195.8 154.0 231.0





#69
o-Xylene
Concen: 4.505 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

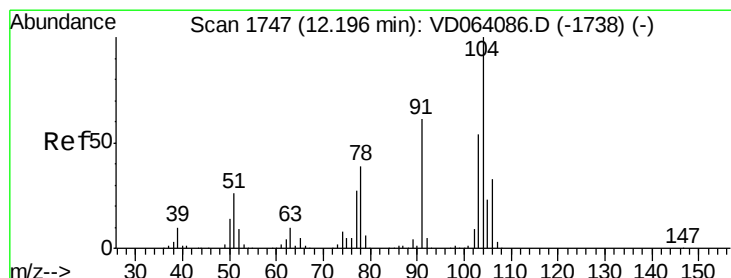
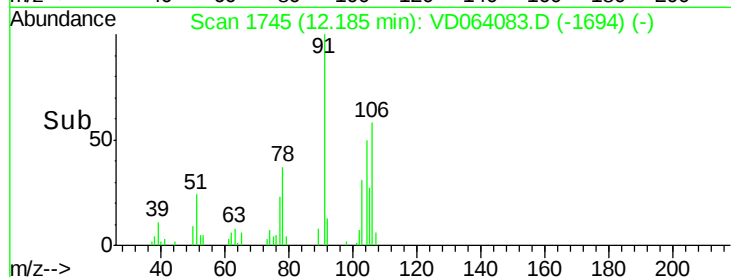
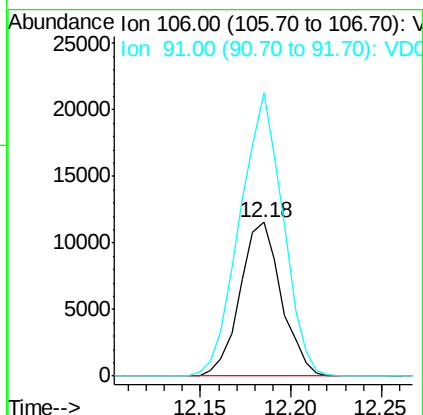
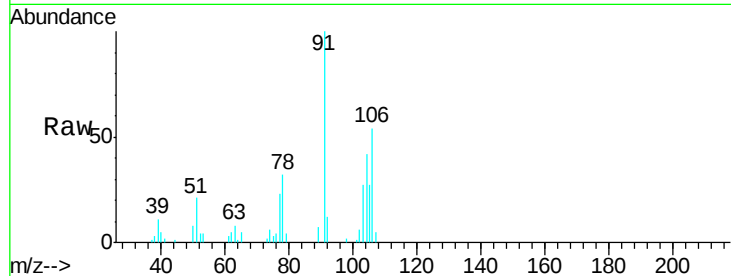
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 18311
Ion Ratio Lower Upper
106 100
91 193.0 100.6 301.9

Manual Integrations
APPROVED

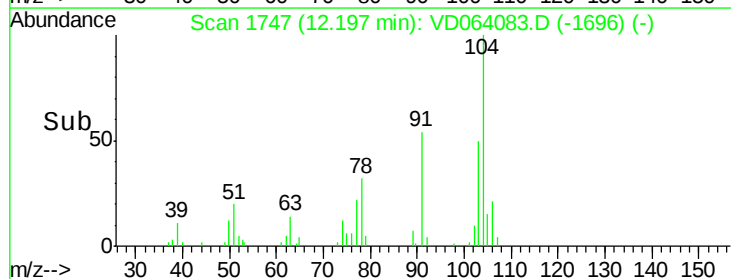
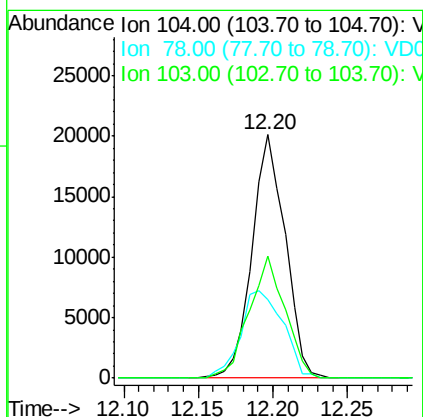
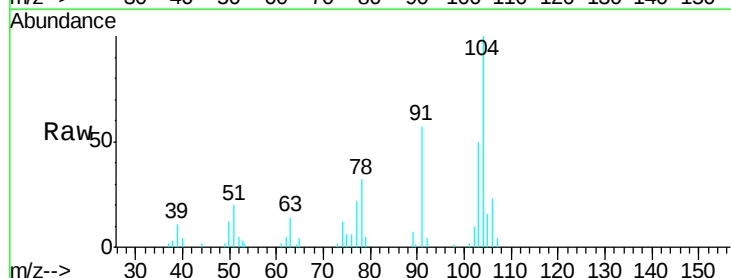
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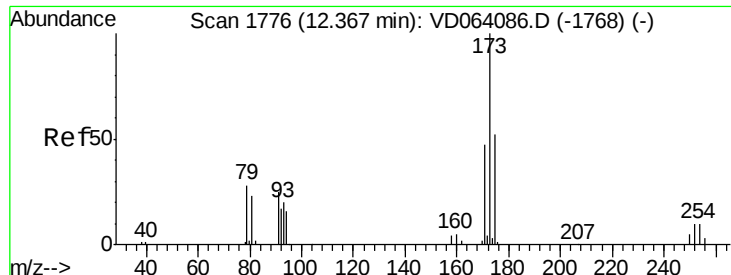
10/30/2019 10:58:00 AM



#70
Styrene
Concen: 4.414 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion:104 Resp: 30942
Ion Ratio Lower Upper
104 100
78 46.1 34.6 51.8
103 54.5 44.2 66.2





#71
Bromoform
Concen: 4.839 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

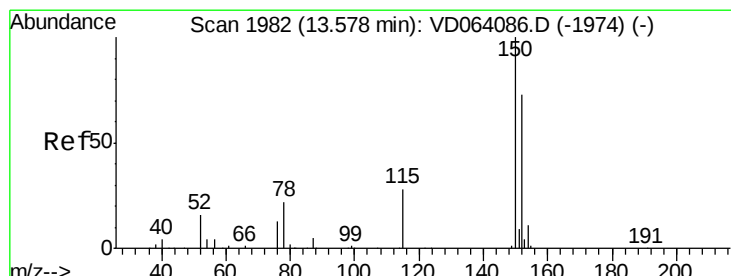
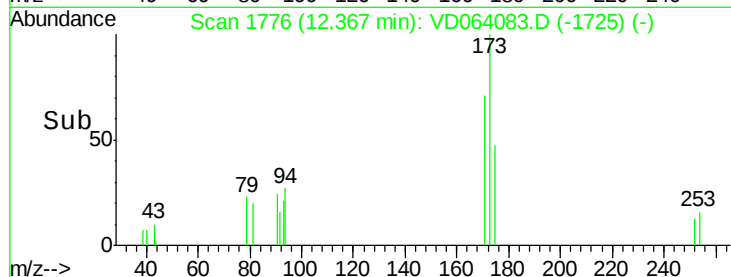
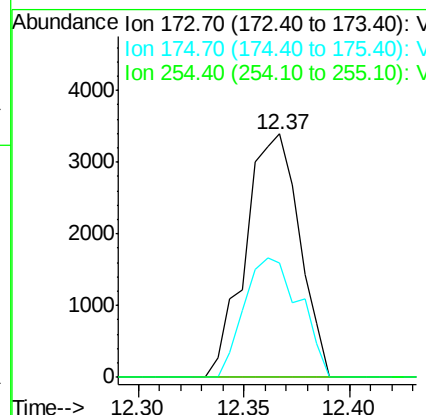
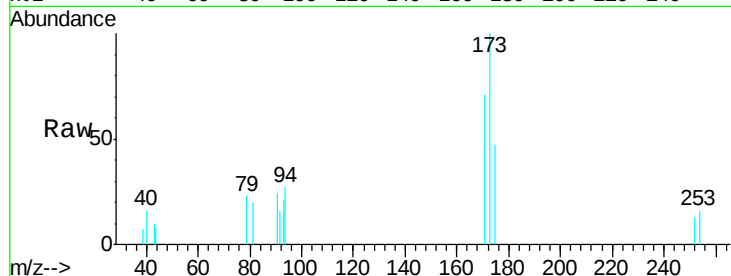
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.3	72.9
254	0.0	0.0	0.0

Manual Integrations
APPROVED

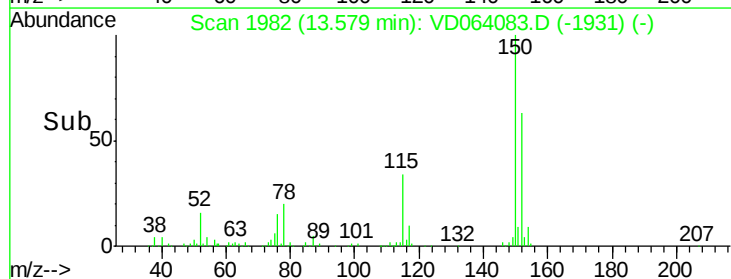
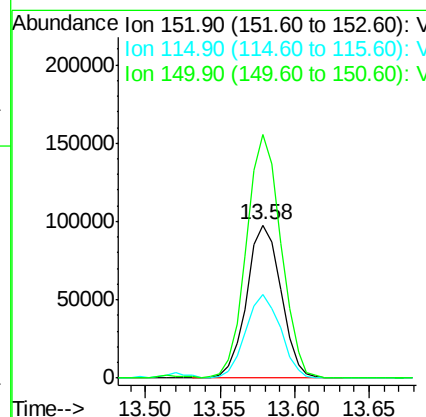
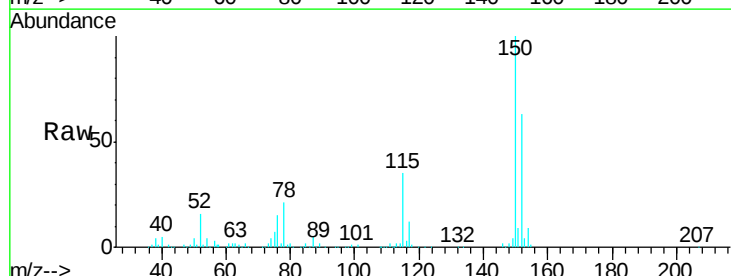
MMDadoda

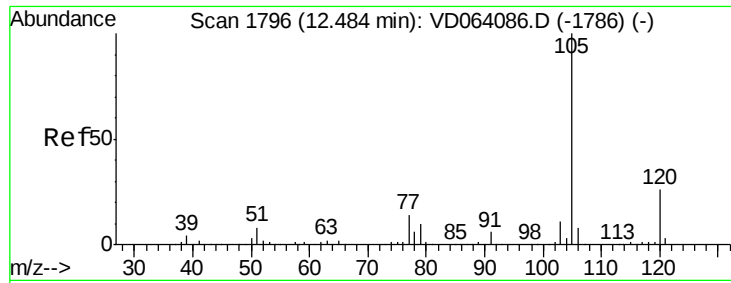
10/30/2019 10:58:00 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	26.2	78.6
150	160.2	0.0	338.8





#73

Isopropylbenzene

Concen: 4.300 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 46473

Ion Ratio Lower Upper

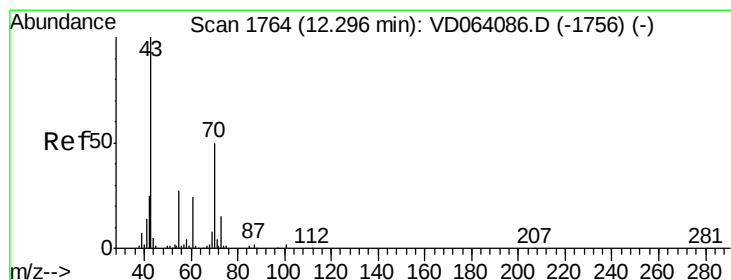
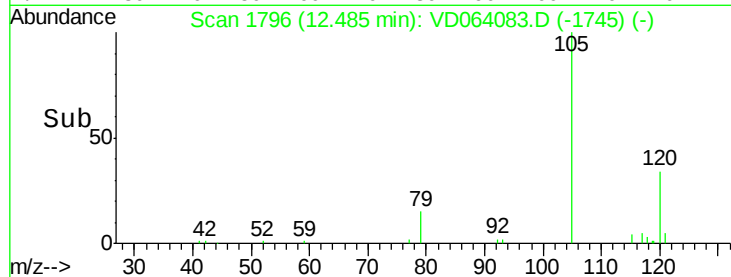
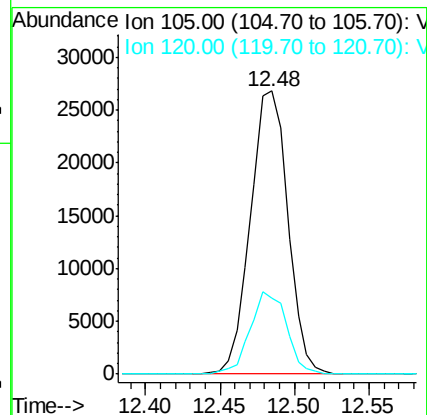
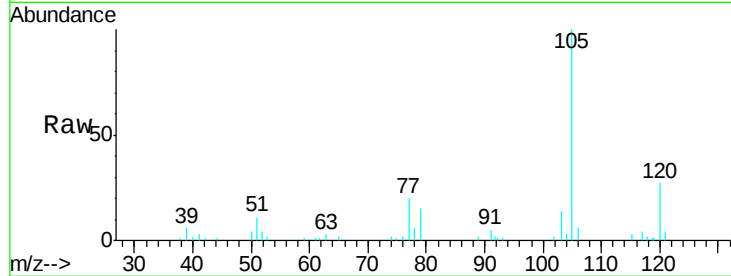
105 100

120 28.3 13.3 39.9

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 4.423 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Tgt Ion: 43 Resp: 7940

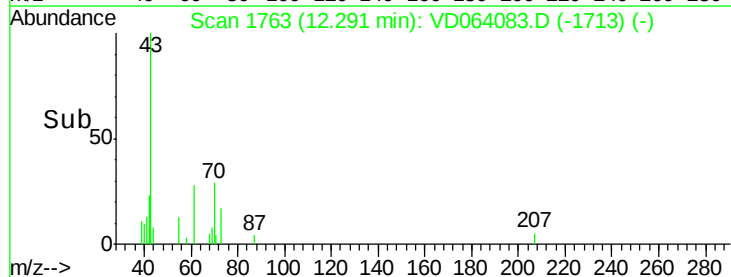
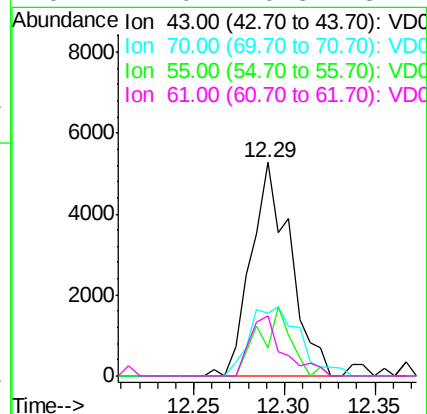
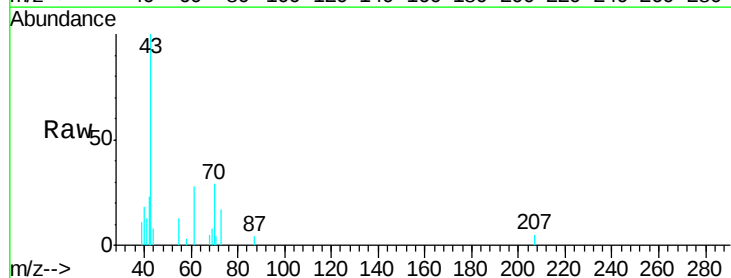
Ion Ratio Lower Upper

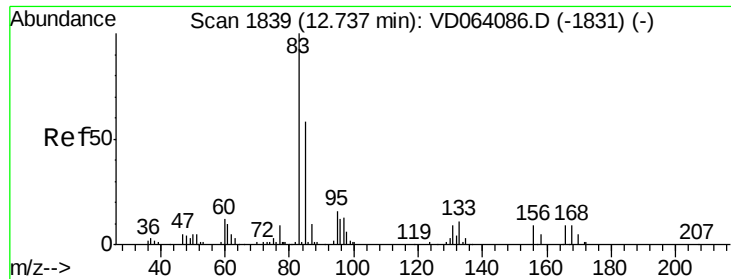
43 100

70 41.8 38.6 58.0

55 26.4 20.4 30.6

61 24.0 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.773 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampled :

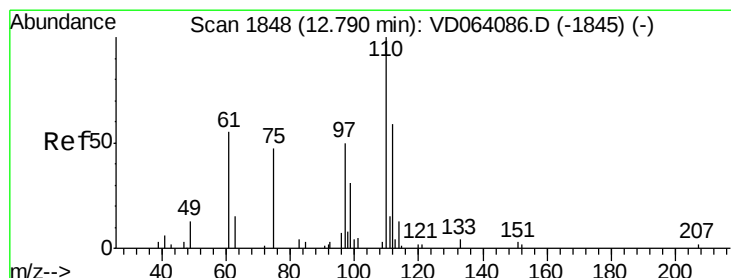
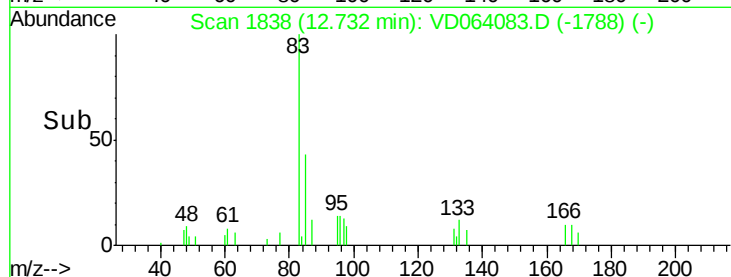
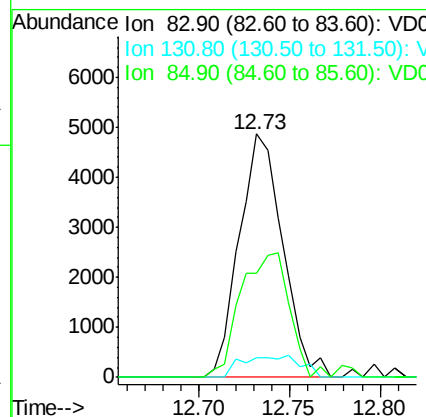
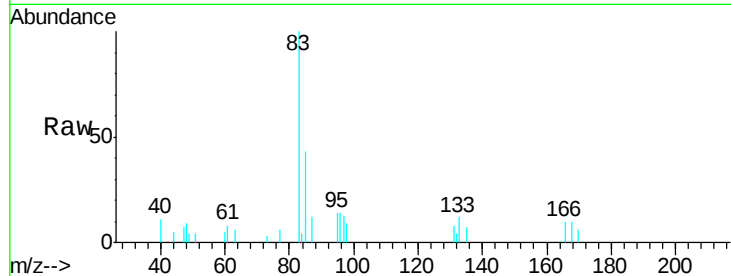
VSTDIC005

Tgt Ion:	83	Resp:	8130
Ion Ratio	Lower	Upper	
83	100		
131	11.9	5.7	17.0
85	57.5	32.1	96.5

Manual Integrations
APPROVED

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10/30/2019 10:58:00 AM



#76

1,2,3-Trichloropropane

Concen: 2.332 ug/l m

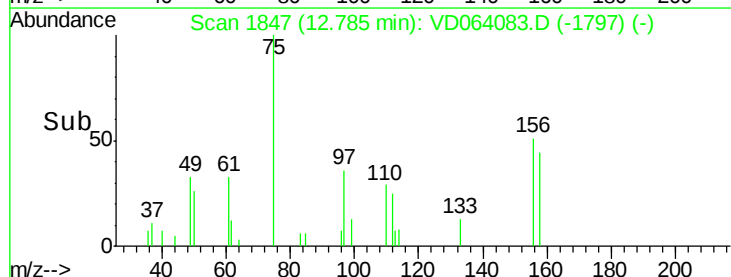
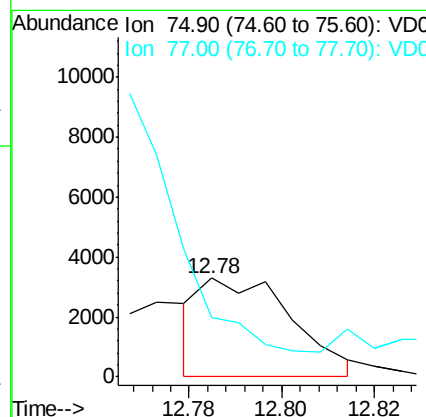
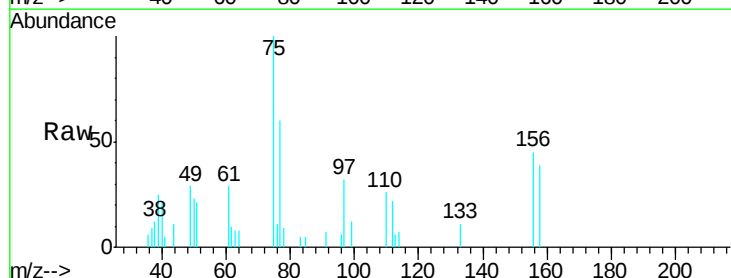
RT: 12.78 min Scan# 1847

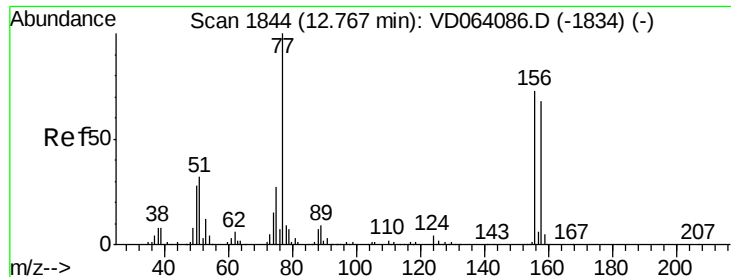
Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Tgt Ion:	75	Resp:	4499
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.959 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

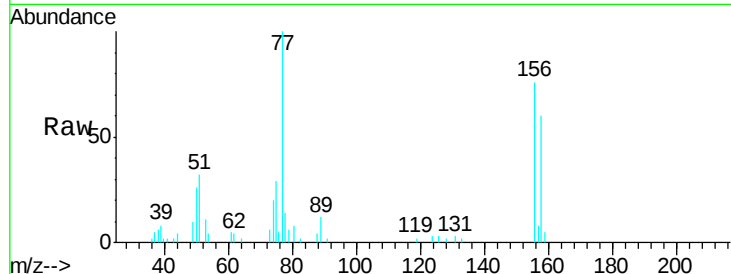
VSTDIC005

Tgt Ion:	156	Resp:	12940
Ion	Ratio	Lower	Upper
156	100		
77	141.6	76.0	228.0
158	88.1	47.6	142.8

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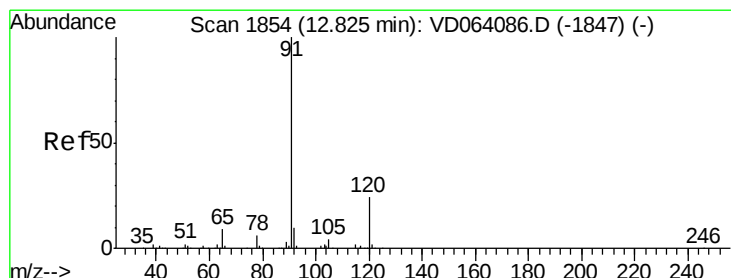
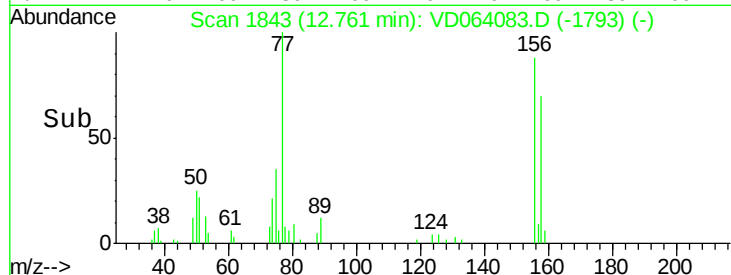
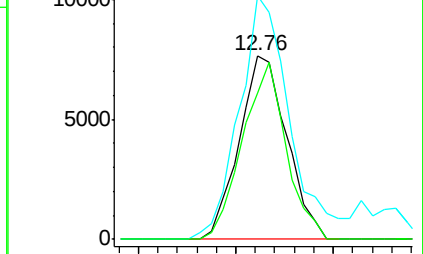
10/30/2019 10:58:00 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.526 ug/l

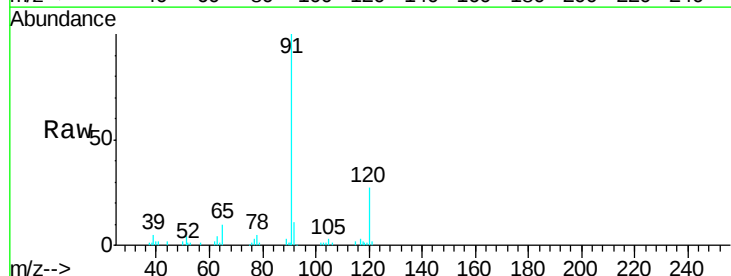
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064083.D

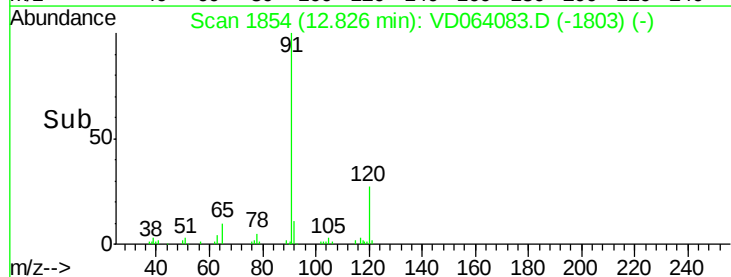
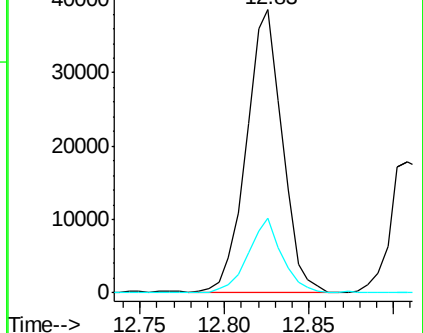
Acq: 29 Oct 2019 12:15

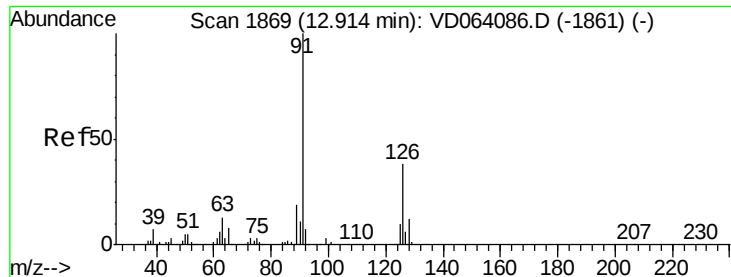
Tgt Ion:	91	Resp:	57324
Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.565 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 30993

Ion Ratio Lower Upper

91 100

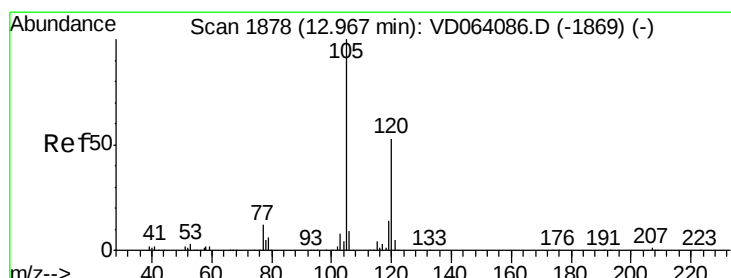
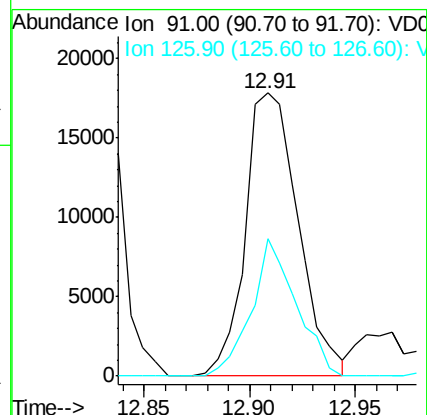
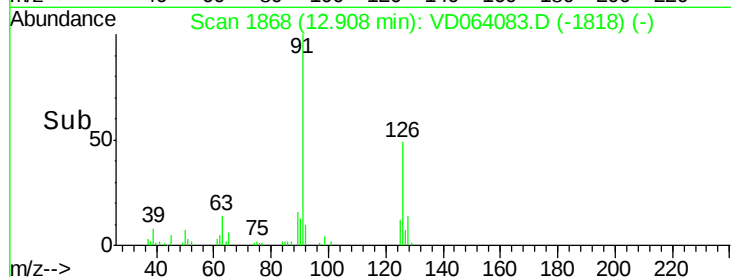
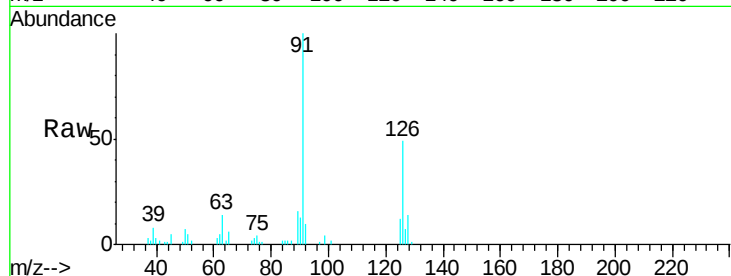
126 41.1 19.1 57.1

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#80

1,3,5-Trimethylbenzene

Concen: 4.690 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064083.D

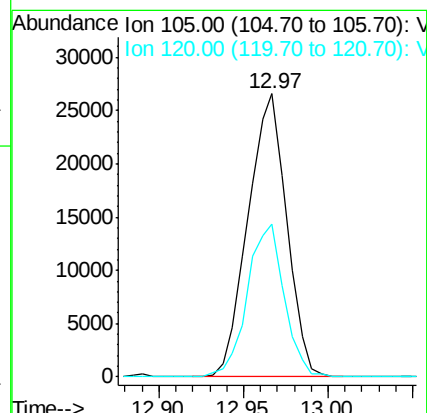
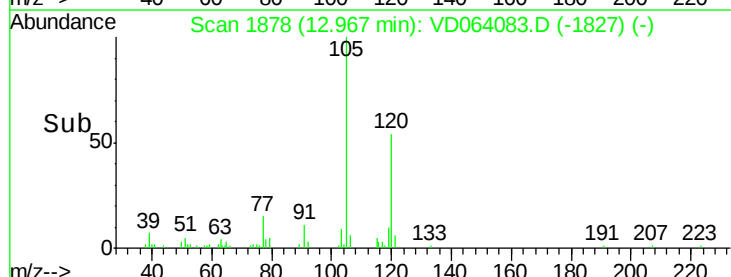
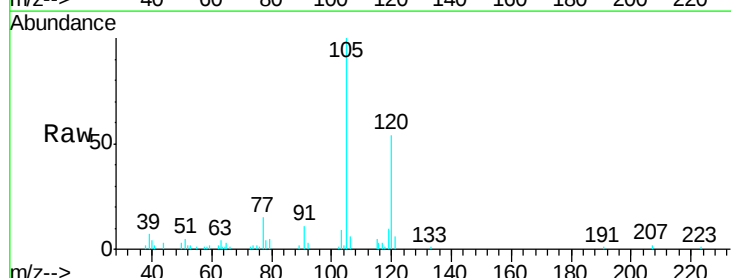
Acq: 29 Oct 2019 12:15

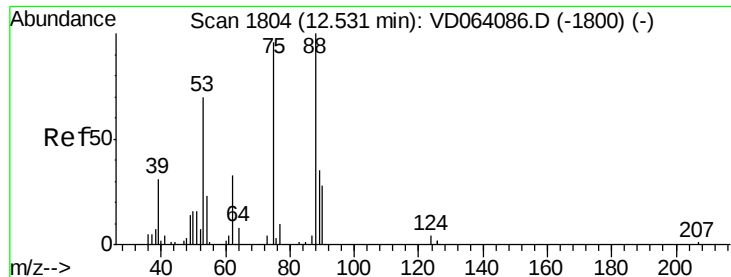
Tgt Ion: 105 Resp: 42419

Ion Ratio Lower Upper

105 100

120 51.3 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 4.393 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

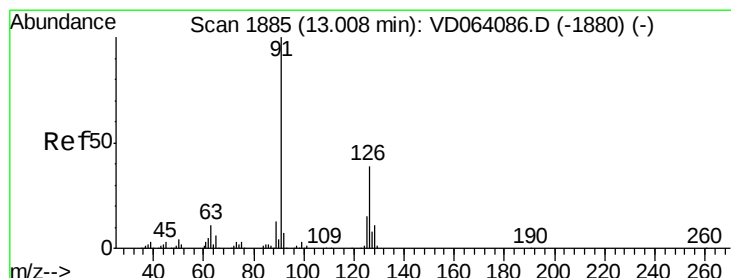
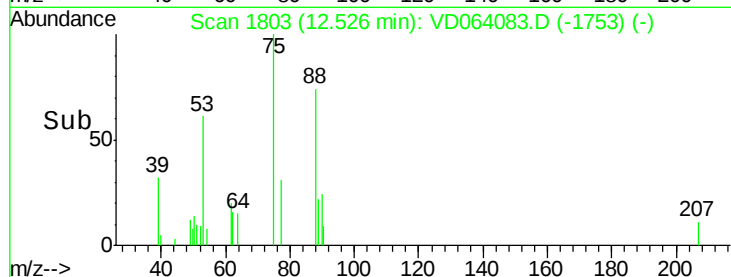
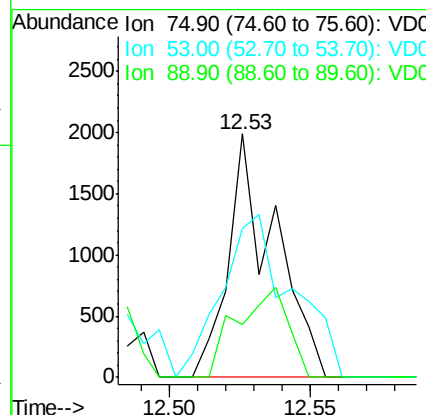
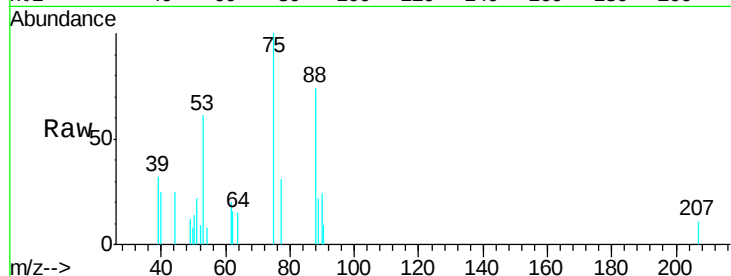
VSTDIC005

Tgt Ion:	75	Resp:	2248
Ion	Ratio	Lower	Upper
75	100		
53	101.4	68.6	103.0
89	41.3	36.9	55.3

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#82

4-Chlorotoluene

Concen: 4.894 ug/l

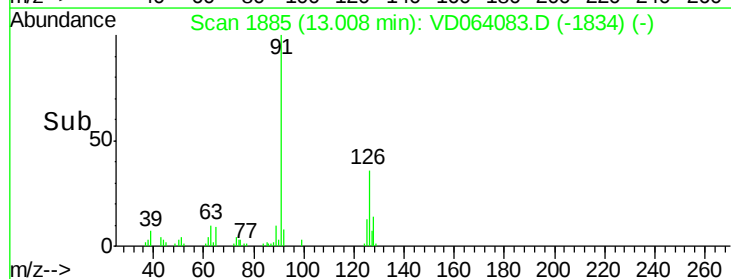
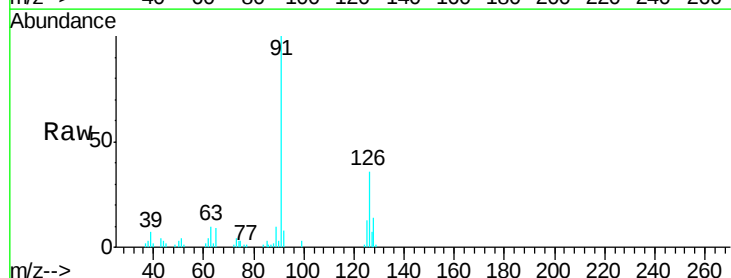
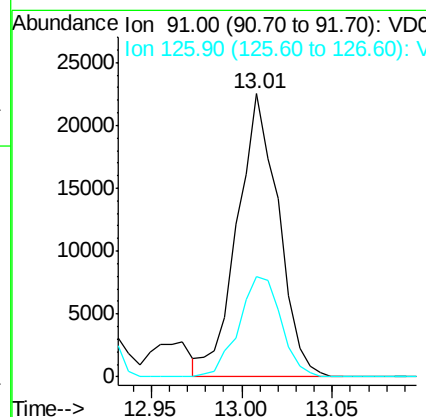
RT: 13.01 min Scan# 1885

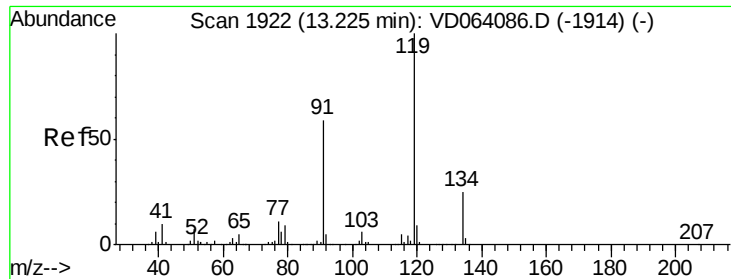
Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Tgt Ion:	91	Resp:	35499
Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.9	56.5





#83
tert-Butylbenzene
Concen: 4.430 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

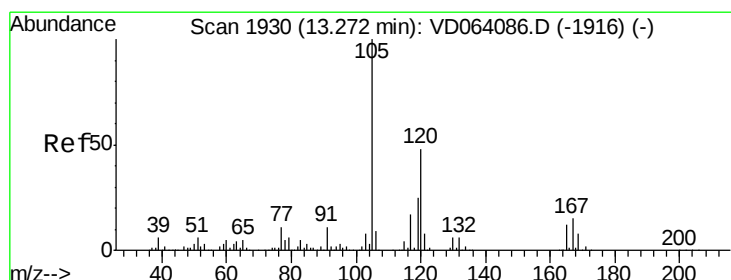
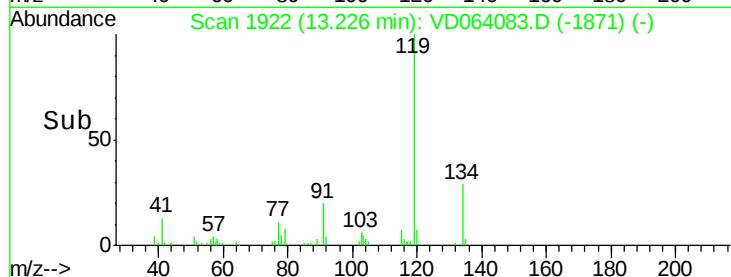
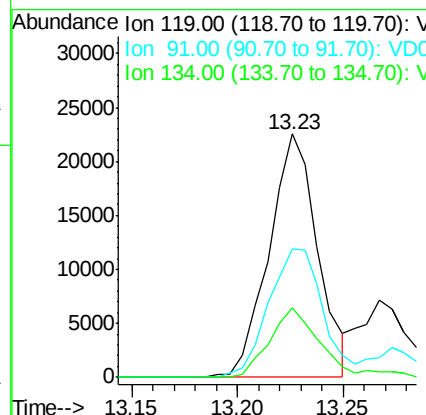
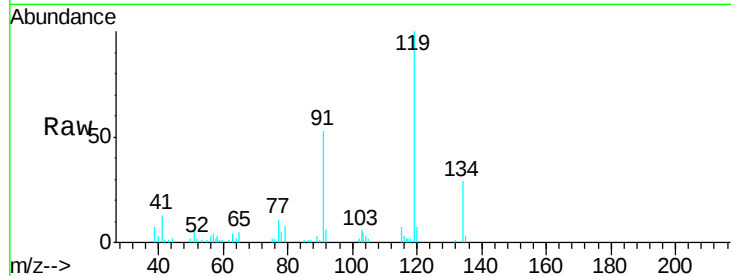
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	35986		
91	58.7	28.3	85.0	
134	30.2	12.9	38.6	

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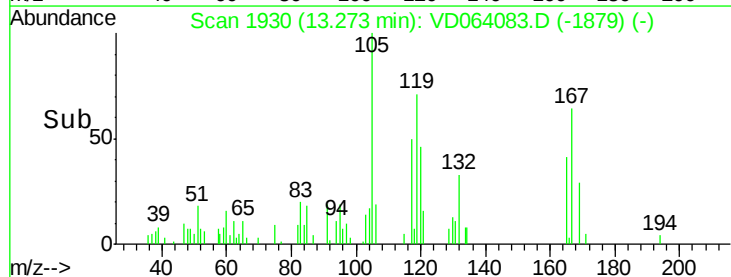
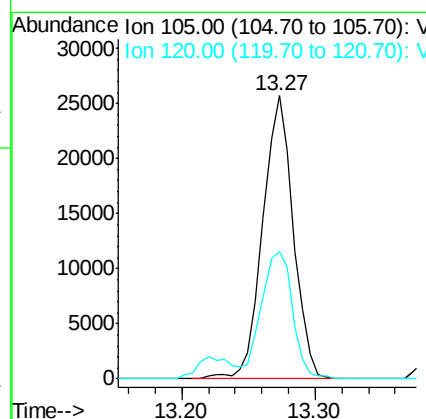
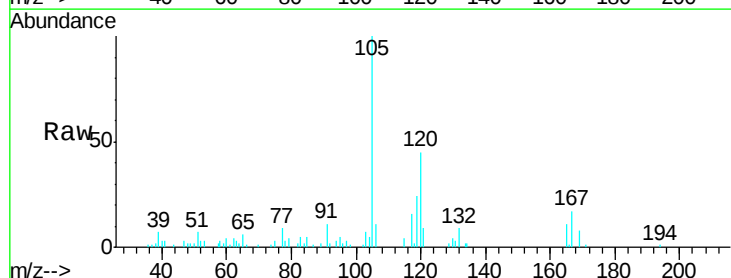
MMDadoda

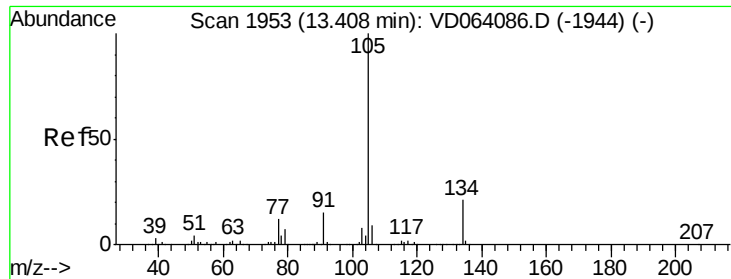
10/30/2019 10:58:00 AM



#84
1,2,4-Trimethylbenzene
Concen: 4.476 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	40664		
120	46.0	24.1	72.4	





#85

sec-Butylbenzene

Concen: 4.463 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 49793

Ion Ratio Lower Upper

105 100

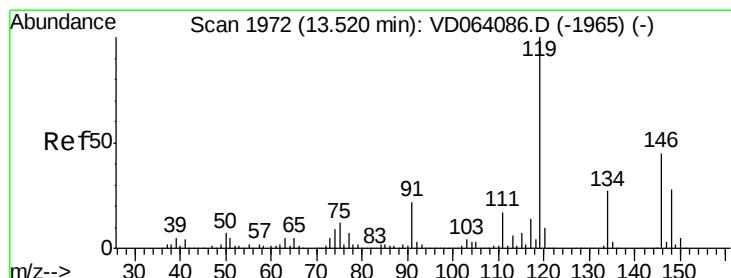
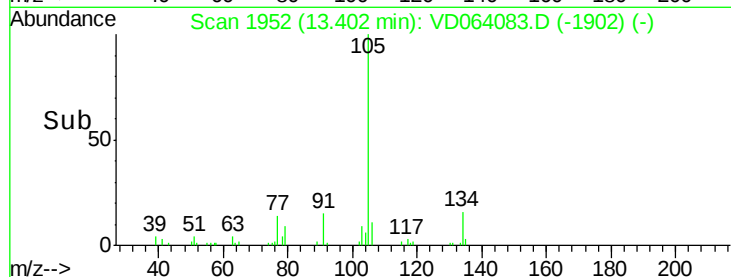
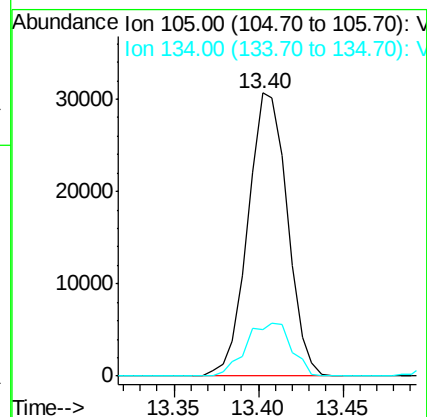
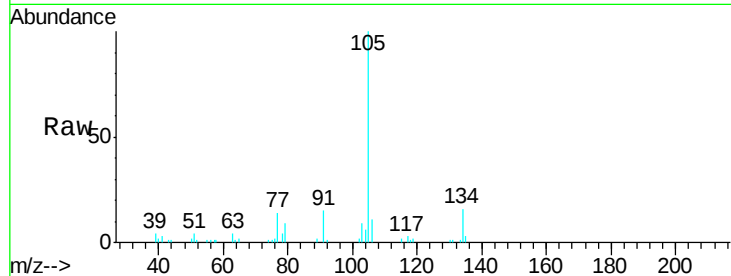
134 21.5 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 4.140 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064083.D

Acq: 29 Oct 2019 12:15

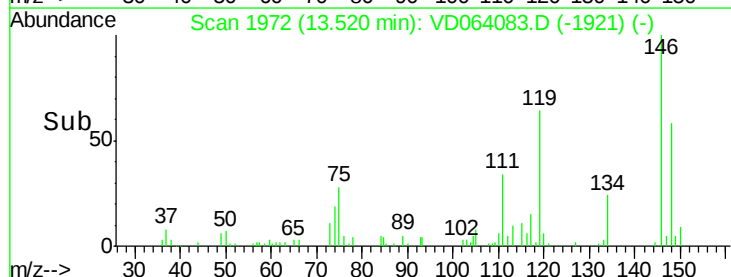
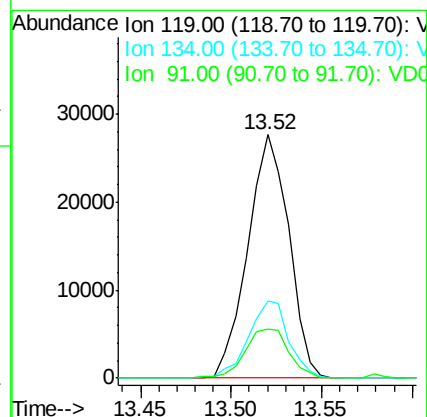
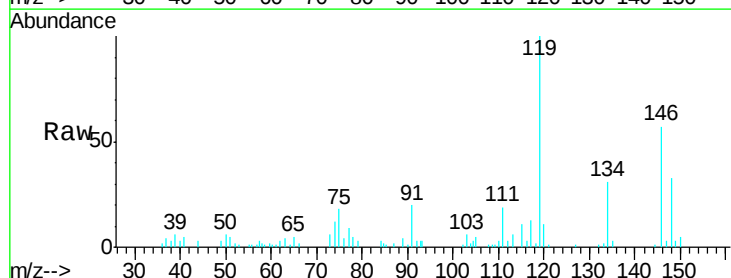
Tgt Ion:119 Resp: 43391

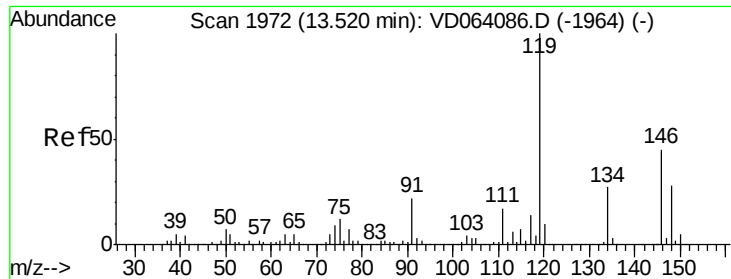
Ion Ratio Lower Upper

119 100

134 31.3 13.6 40.8

91 21.5 10.9 32.6





#87
 1,3-Dichlorobenzene
 Concen: 4.742 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

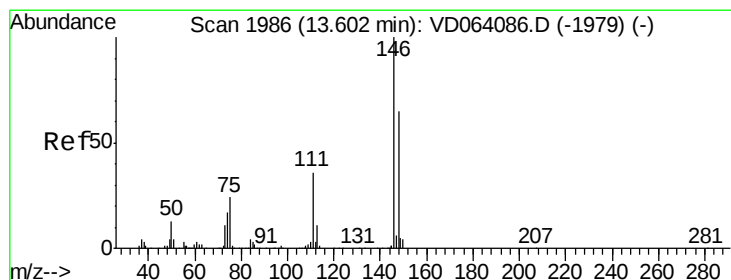
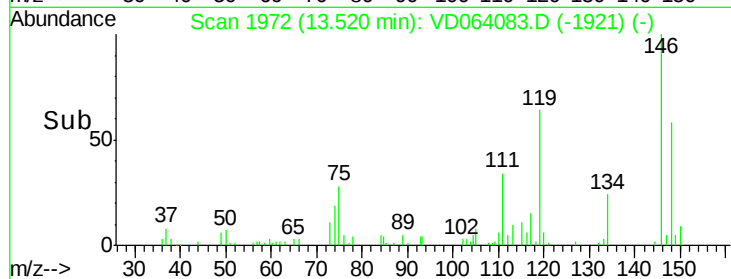
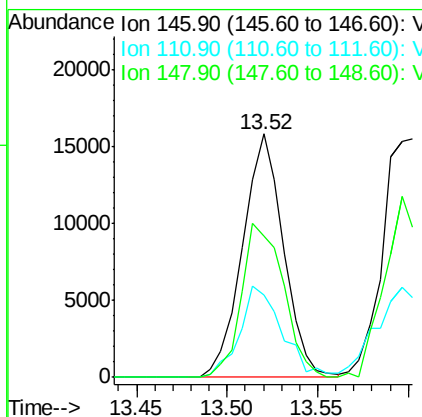
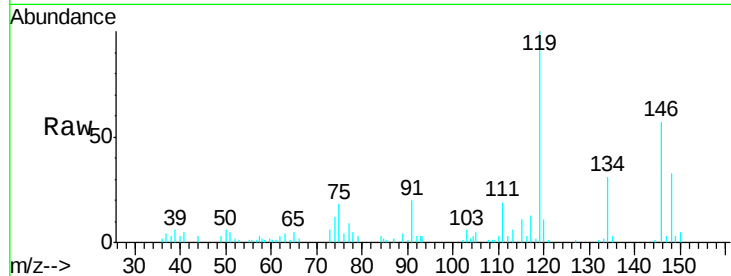
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.9	56.9
148	65.0	32.1	96.3

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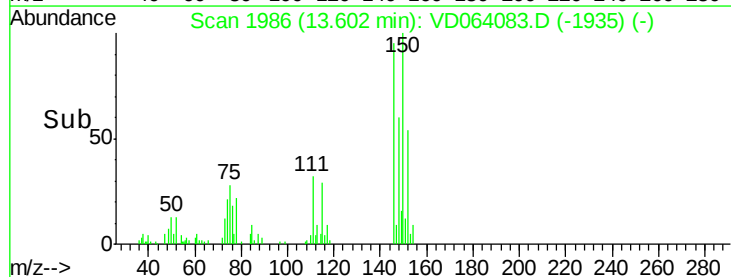
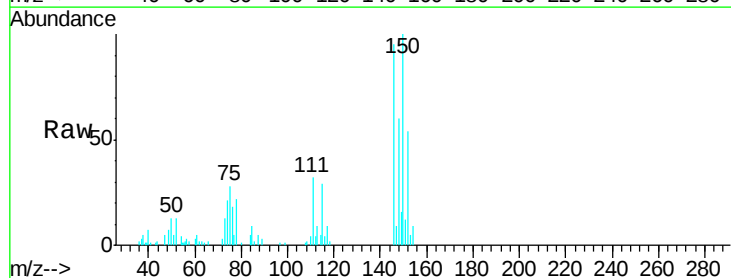
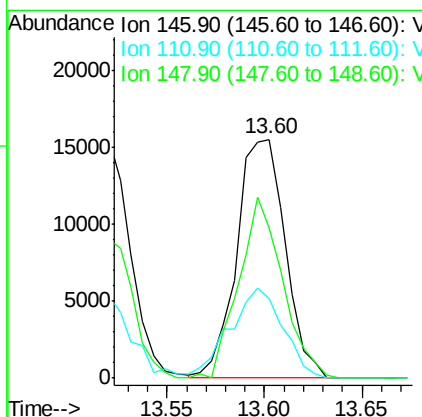
MMDadoda

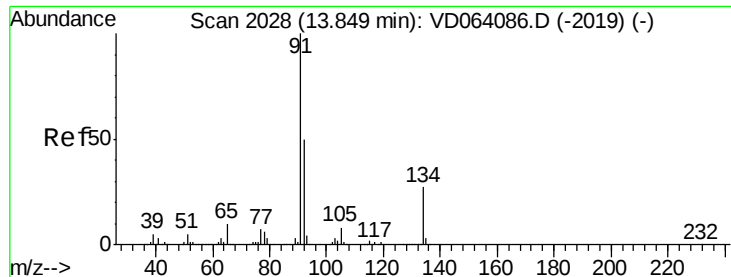
10/30/2019 10:58:00 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.186 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.4	18.4	55.4
148	68.2	32.4	97.0





#89
n-Butylbenzene
Concen: 4.533 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

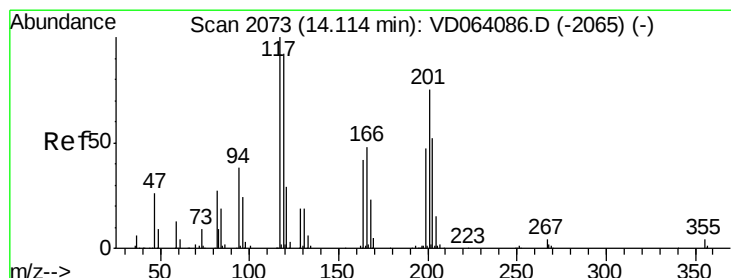
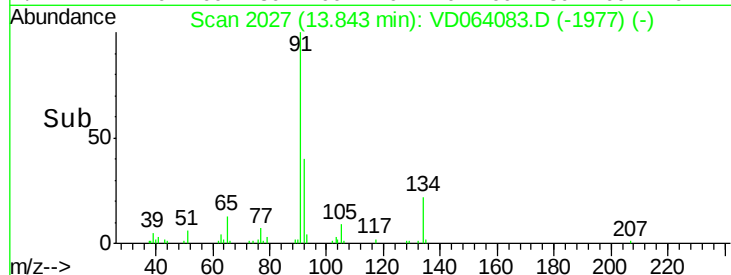
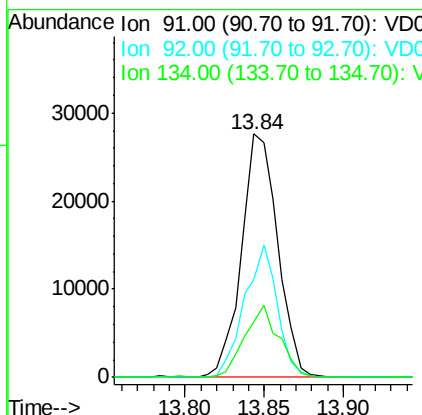
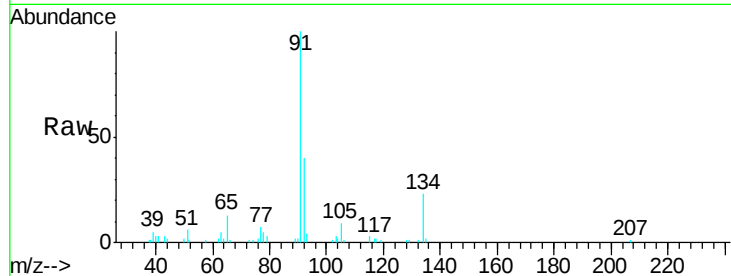
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.4	25.6	76.6
134	28.0	14.0	42.0

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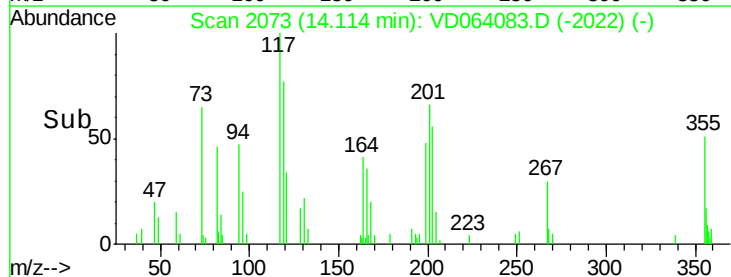
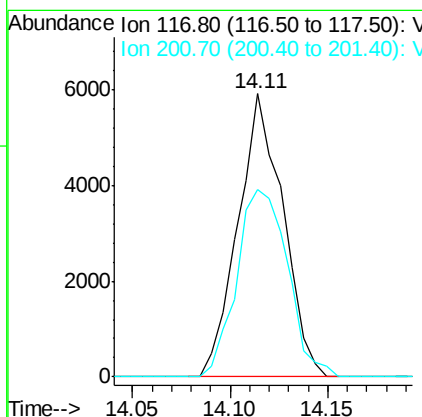
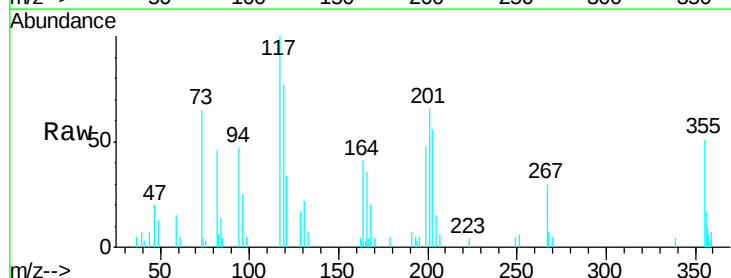
MMDadoda

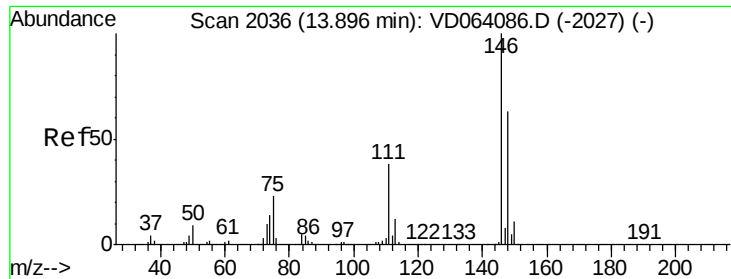
10/30/2019 10:58:00 AM



#90
Hexachloroethane
Concen: 4.813 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.1	38.4	115.2





#91
1,2-Dichlorobenzene
Concen: 5.121 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

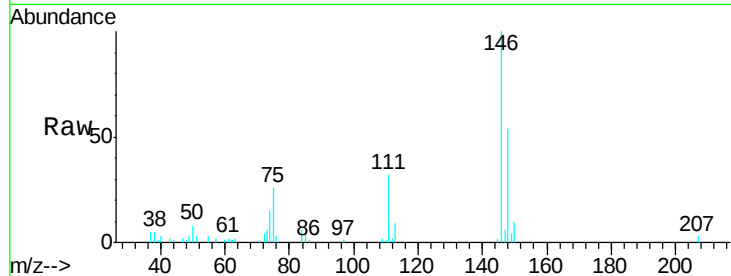
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	60.0	32.1	96.5

Manual Integrations
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10/30/2019 10:58:00 AM

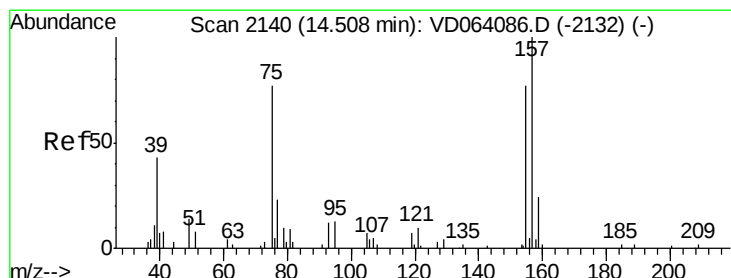
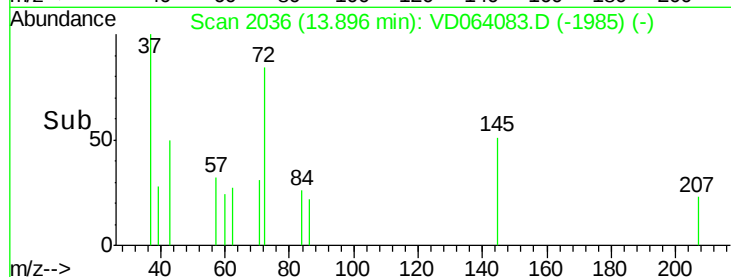
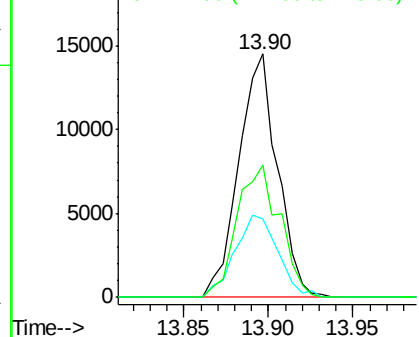


Abundance

Ion 145.90 (145.60 to 146.60): V

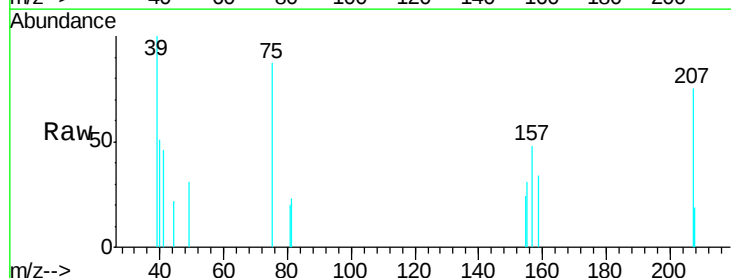
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.735 ug/l
RT: 14.52 min Scan# 2142
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	110.5	56.3	168.9
157	142.6	72.2	216.6

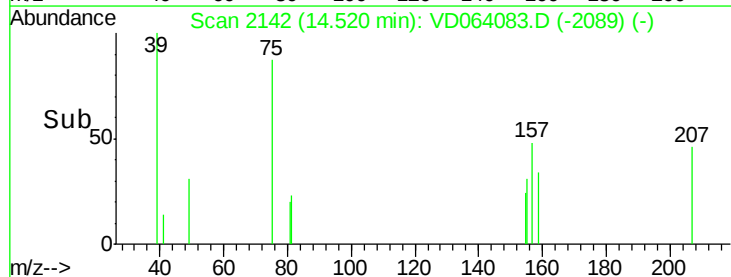
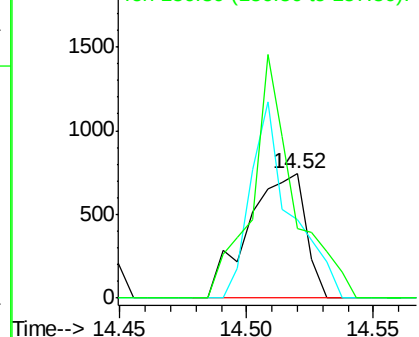


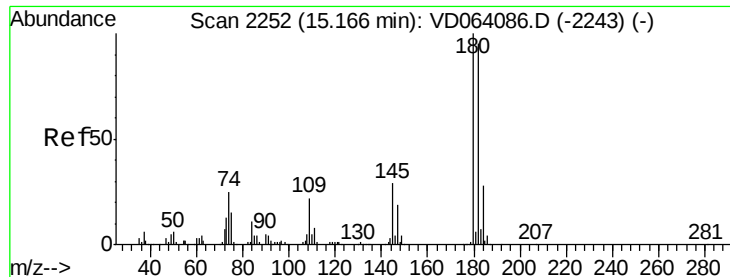
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93
 1,2,4-Trichlorobenzene
 Concen: 4.520 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

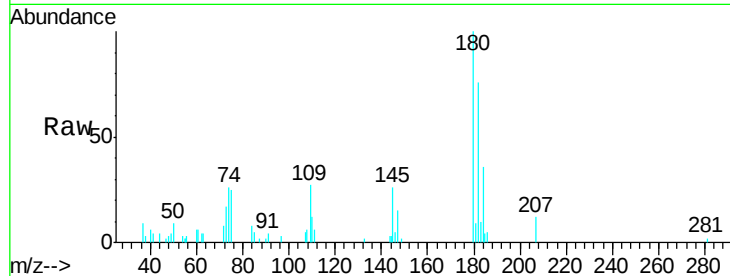
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.5	46.9	140.7
145	31.8	14.2	42.6

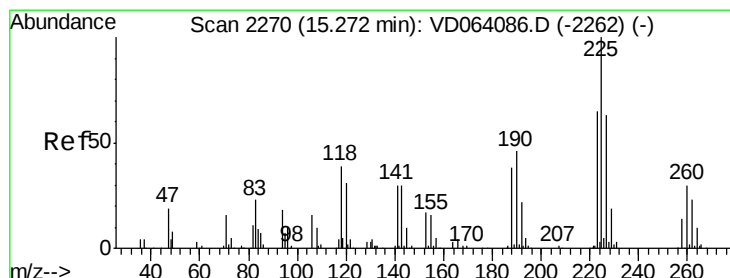
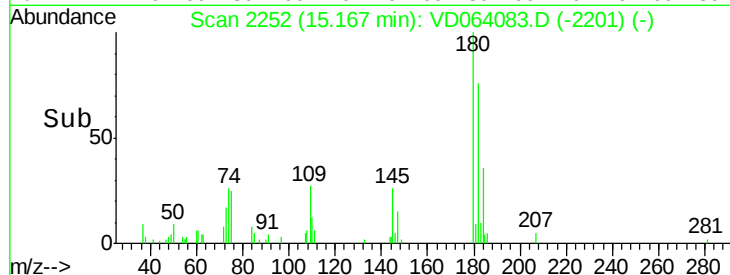
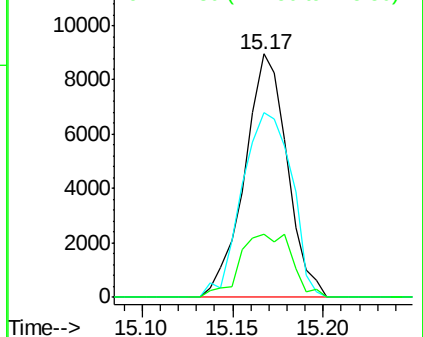
Manual Integrations
 APPROVED

MMDadoda

10/30/2019 10:58:00 AM

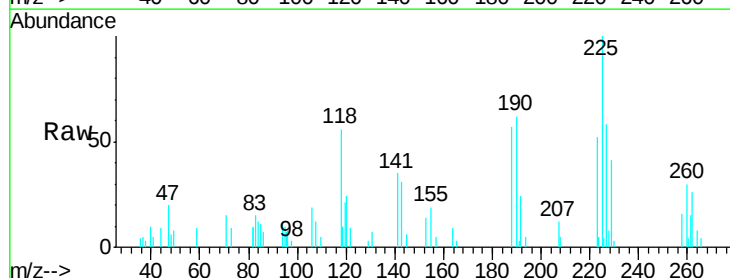


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

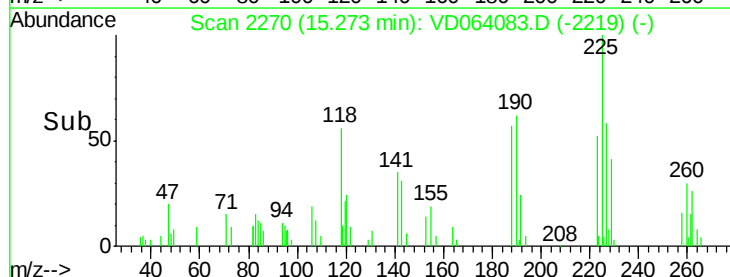
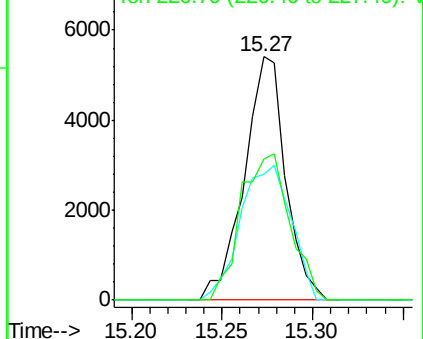


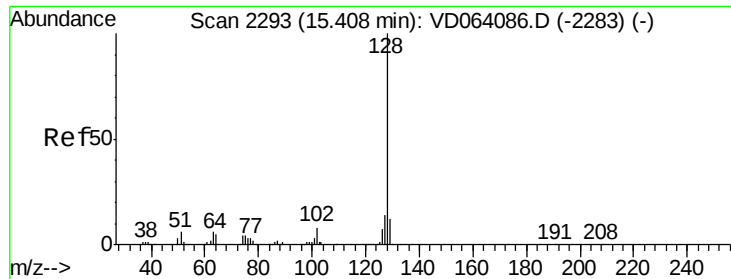
#94
 Hexachlorobutadiene
 Concen: 4.553 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064083.D
 Acq: 29 Oct 2019 12:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.8	30.8	92.3
227	71.3	31.7	95.1



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95
Naphthalene
Concen: 4.418 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

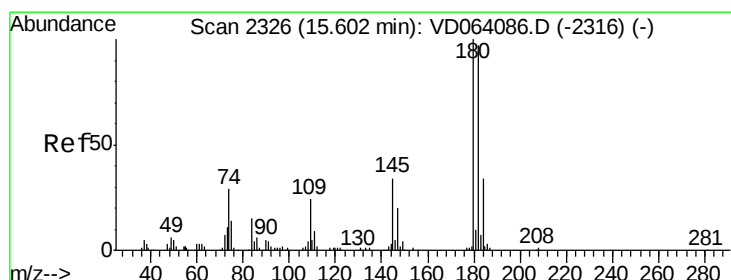
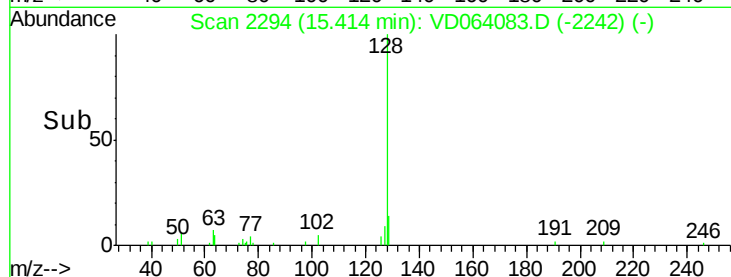
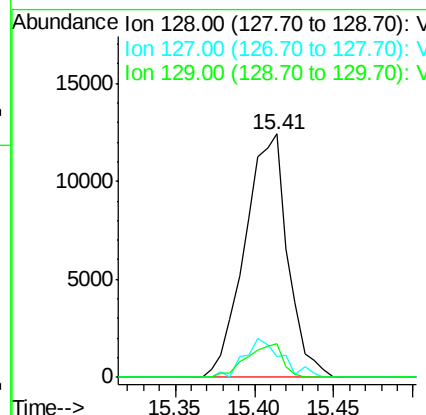
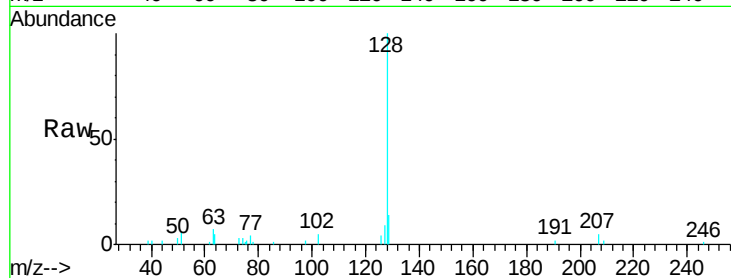
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:	128	Resp:	23306
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.9	16.3
129	11.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda

10/30/2019 10:58:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.764 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064083.D
Acq: 29 Oct 2019 12:15

Tgt Ion:	180	Resp:	13347
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.4	145.0
145	34.9	16.4	49.4

