

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064581.D
 Acq On : 24 Dec 2019 10:23
 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
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apatel
 12/26/2019 11:13:40 AM

Quant Time: Dec 24 13:05:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 12:06:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	410885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	602680	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	528900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253990	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	20769	5.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.14%	
35) Dibromofluoromethane	7.93	113	20089	5.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.56%	
50) Toluene-d8	10.34	98	75282	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
62) 4-Bromofluorobenzene	12.64	95	23781	5.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.26%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	17251	4.702	ug/l 98
3) Chloromethane	2.21	50	25231	5.380	ug/l 100
4) Vinyl Chloride	2.35	62	30825	5.690	ug/l 91
5) Bromomethane	2.77	94	23722	5.911	ug/l 96
6) Chloroethane	2.93	64	19342	5.298	ug/l 90
7) Trichlorofluoromethane	3.27	101	51163	5.647	ug/l 100
8) Diethyl Ether	3.70	74	10359	5.550	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	20554	5.303	ug/l 97
10) Methyl Iodide	4.30	142	17392	4.274	ug/l 98
11) Tert butyl alcohol	5.24	59	4955m	21.209	ug/l
12) 1,1-Dichloroethene	4.06	96	19688	5.321	ug/l 85
13) Acrolein	3.92	56	7702	23.919	ug/l 94
14) Allyl chloride	4.71	41	29410	5.104	ug/l 97
15) Acrylonitrile	5.43	53	19728	24.238	ug/l 97
16) Acetone	4.17	43	23164	31.135	ug/l # 79
17) Carbon Disulfide	4.40	76	64518	5.518	ug/l 98
18) Methyl Acetate	4.73	43	11446	5.258	ug/l 94
19) Methyl tert-butyl Ether	5.48	73	41720	4.945	ug/l # 87
20) Methylene Chloride	4.96	84	28832	6.697	ug/l 93
21) trans-1,2-Dichloroethene	5.47	96	22370	5.359	ug/l 97
22) Diisopropyl ether	6.37	45	59209	5.191	ug/l # 94
23) Vinyl Acetate	6.31	43	151985	22.701	ug/l 97
24) 1,1-Dichloroethane	6.27	63	35889	5.246	ug/l 94
25) 2-Butanone	7.22	43	25998	24.665	ug/l # 87
26) 2,2-Dichloropropane	7.21	77	35864	5.954	ug/l 96
27) cis-1,2-Dichloroethene	7.21	96	23747	5.214	ug/l 95
28) Bromochloromethane	7.55	49	14848	6.175	ug/l 93
29) Tetrahydrofuran	7.57	42	16023	23.826	ug/l 97
30) Chloroform	7.71	83	38591	5.440	ug/l 96
31) Cyclohexane	7.98	56	41834	6.202	ug/l # 85
32) 1,1,1-Trichloroethane	7.90	97	35874	5.434	ug/l 98
36) 1,1-Dichloropropene	8.11	75	31525	5.490	ug/l 98
37) Ethyl Acetate	7.31	43	11393	4.727	ug/l # 88
38) Carbon Tetrachloride	8.10	117	31181	5.154	ug/l 98

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Instrument :
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 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	35409	5.003	ug/l	96
40) Benzene	8.36	78	81555	5.157	ug/l	97
41) Methacrylonitrile	7.53	41	6513	4.777	ug/l #	86
42) 1,2-Dichloroethane	8.43	62	23707	5.136	ug/l	98
43) Isopropyl Acetate	8.46	43	23682	5.013	ug/l	99
44) Trichloroethene	9.11	130	25238	5.298	ug/l	100
45) 1,2-Dichloropropane	9.39	63	20121	5.336	ug/l	96
46) Dibromomethane	9.47	93	10601	4.964	ug/l	88
47) Bromodichloromethane	9.66	83	30413	5.533	ug/l	97
48) Methyl methacrylate	9.46	41	11594	5.289	ug/l	96
49) 1,4-Dioxane	9.47	88	2376	90.645	ug/l #	78
51) 4-Methyl-2-Pentanone	10.23	43	56247	24.044	ug/l	99
52) Toluene	10.40	92	52724	5.091	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	25397	4.859	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	30227	4.867	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	15080	5.169	ug/l	97
56) Ethyl methacrylate	10.66	69	16815	4.539	ug/l	97
57) 1,3-Dichloropropane	10.95	76	25438	5.113	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	37839	25.752	ug/l	98
59) 2-Hexanone	10.98	43	37265	22.957	ug/l	98
60) Dibromochloromethane	11.14	129	20693	5.219	ug/l	99
61) 1,2-Dibromoethane	11.25	107	14280	4.907	ug/l	98
64) Tetrachloroethene	10.87	164	22103	5.483	ug/l	90
65) Chlorobenzene	11.67	112	56091	5.064	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	21291	5.203	ug/l	98
67) Ethyl Benzene	11.74	91	102041	5.168	ug/l	96
68) m/p-Xylenes	11.86	106	77983	10.330	ug/l	97
69) o-Xylene	12.18	106	35217	5.076	ug/l	96
70) Styrene	12.20	104	59289	4.908	ug/l	99
71) Bromoform	12.36	173	12152	4.975	ug/l #	87
73) Isopropylbenzene	12.48	105	93886	5.125	ug/l	100
74) N-amyl acetate	12.29	43	18885	4.596	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	15500	5.177	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	11592m	5.663	ug/l	
77) Bromobenzene	12.77	156	23008	5.109	ug/l	99
78) n-propylbenzene	12.83	91	108337	5.122	ug/l	99
79) 2-Chlorotoluene	12.91	91	62513	5.381	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	75407	5.037	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	5250	5.483	ug/l	90
82) 4-Chlorotoluene	13.01	91	65418	5.310	ug/l	97
83) tert-Butylbenzene	13.23	119	66300	5.091	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	75267	5.001	ug/l	96
85) sec-Butylbenzene	13.41	105	89810	5.032	ug/l	97
86) p-Isopropyltoluene	13.52	119	85245	5.038	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	45442	5.304	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	45572	5.385	ug/l	94
89) n-Butylbenzene	13.85	91	75083	4.903	ug/l	99
90) Hexachloroethane	14.13	117	18098	5.712	ug/l	90
91) 1,2-Dichlorobenzene	13.90	146	38827	5.317	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2593	5.140	ug/l	80

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MSVOA_D
ClientSampleId :
VSTDICC005

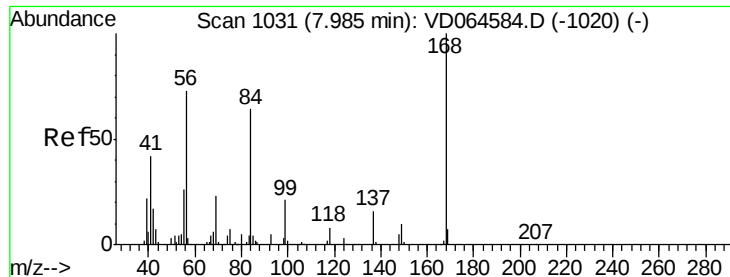
Manual Integrations
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12/26/2019 11:13:40 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 12:06:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	28489	5.106	ug/l	99
94) Hexachlorobutadiene	15.28	225	17908	5.213	ug/l	96
95) Naphthalene	15.41	128	41809	4.515	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	23559	4.960	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 410885

Ion Ratio Lower Upper

168 100

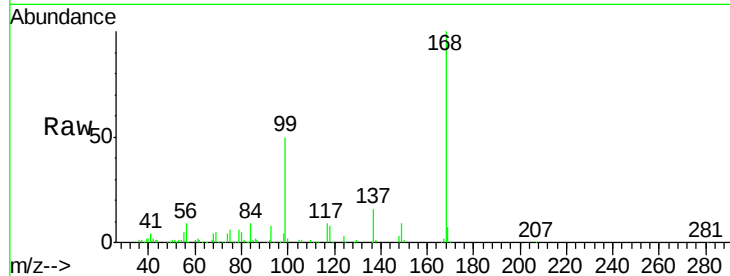
99 49.8 41.8 62.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

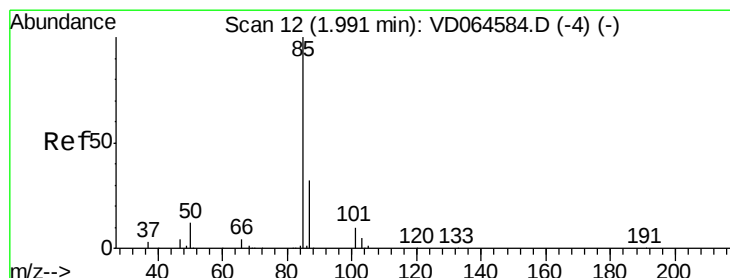
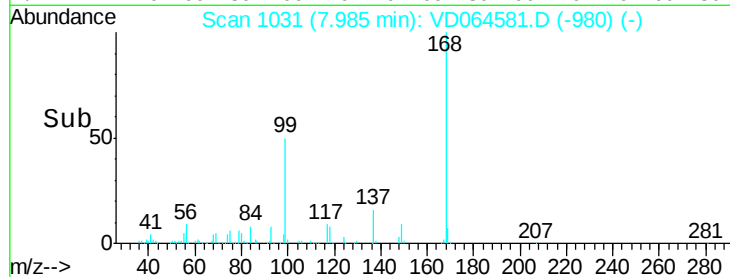
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 4.702 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064581.D

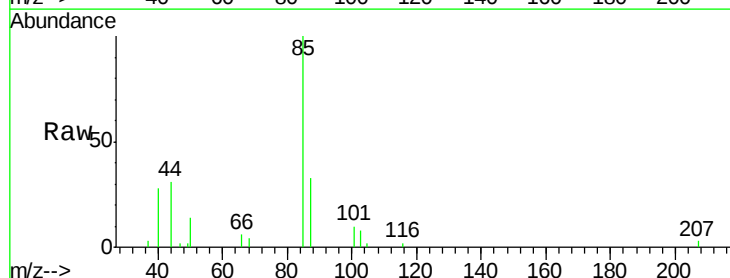
Acq: 24 Dec 2019 10:23

Tgt Ion: 85 Resp: 17251

Ion Ratio Lower Upper

85 100

87 33.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

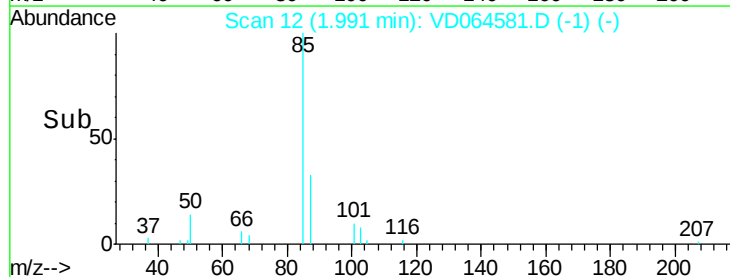
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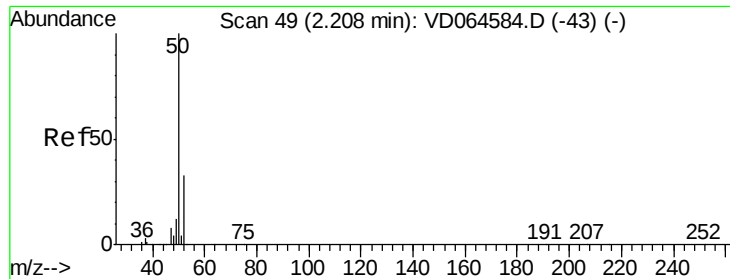
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 5.380 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 25231

Ion Ratio Lower Upper

50 100

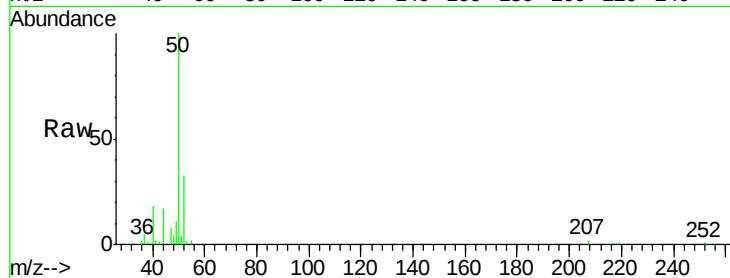
52 33.1 26.5 39.7

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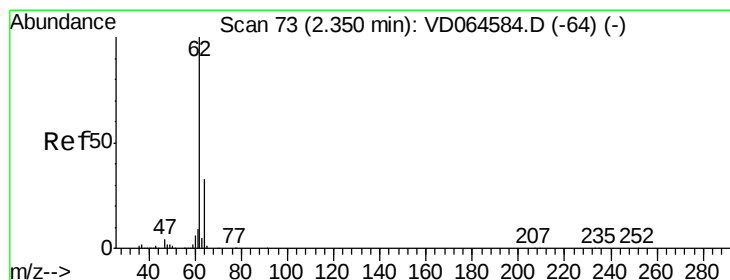
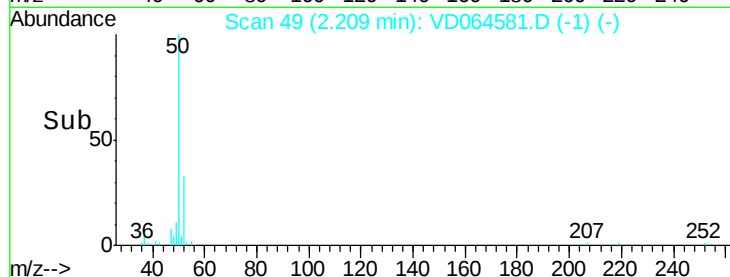
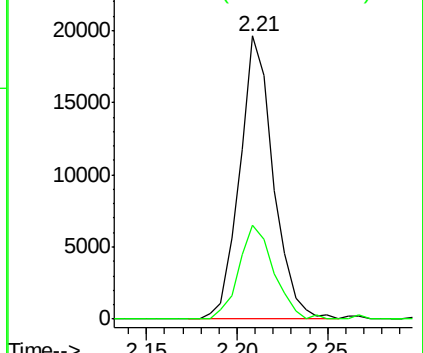
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.690 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064581.D

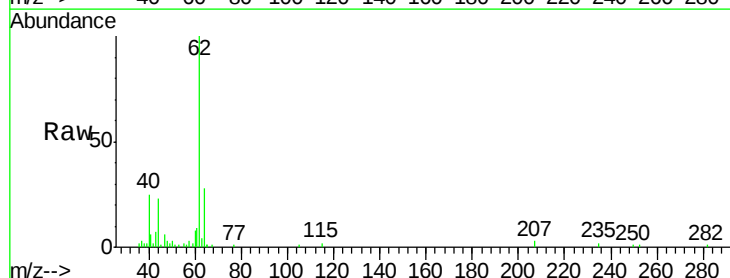
Acq: 24 Dec 2019 10:23

Tgt Ion: 62 Resp: 30825

Ion Ratio Lower Upper

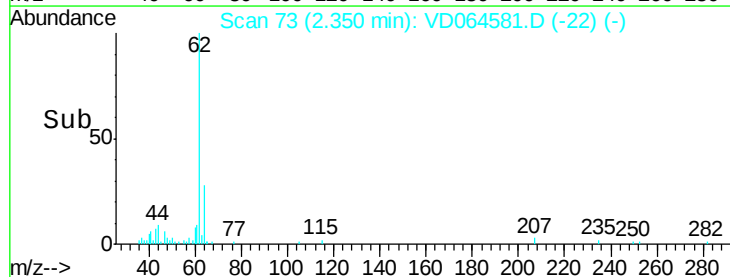
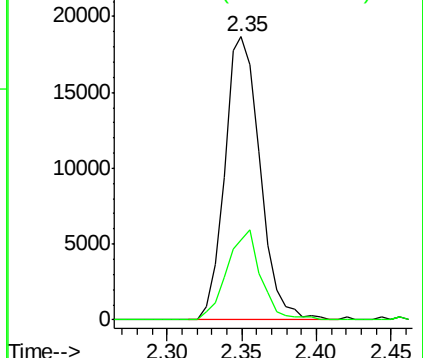
62 100

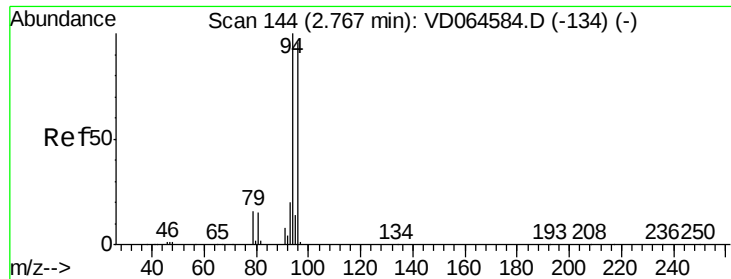
64 28.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.911 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 23722

Ion Ratio Lower Upper

94 100

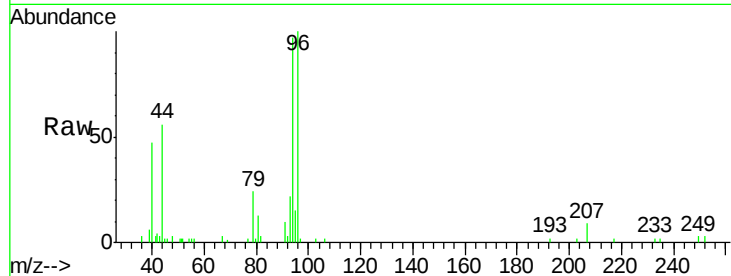
96 100.4 77.2 115.8

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

12000

10000

8000

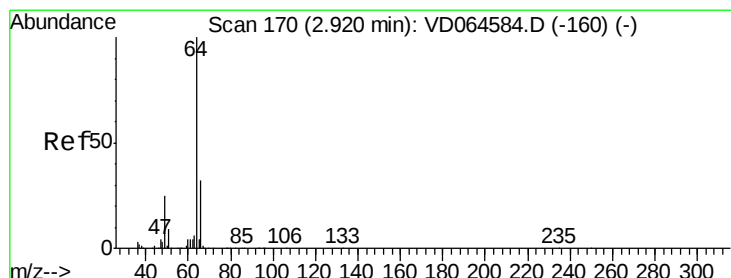
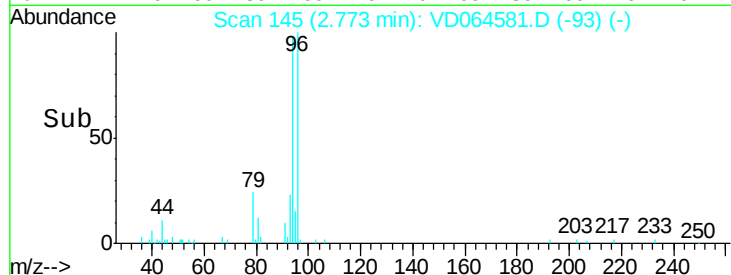
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 5.298 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064581.D

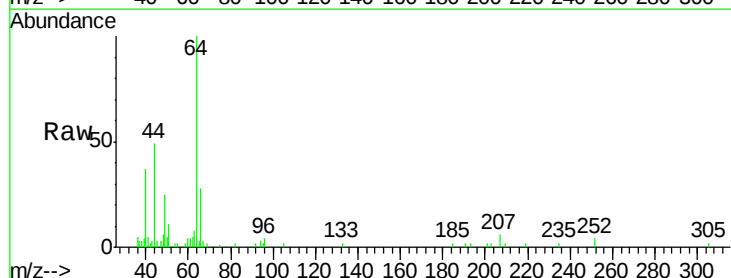
Acq: 24 Dec 2019 10:23

Tgt Ion: 64 Resp: 19342

Ion Ratio Lower Upper

64 100

66 26.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

12000

10000

8000

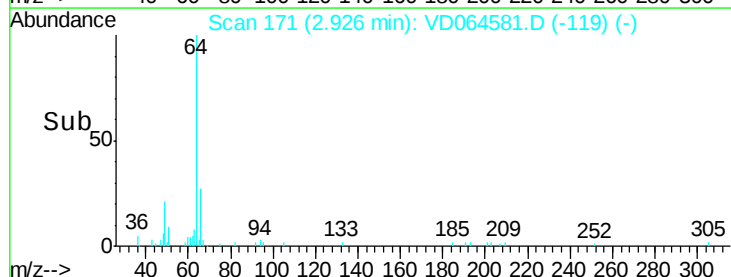
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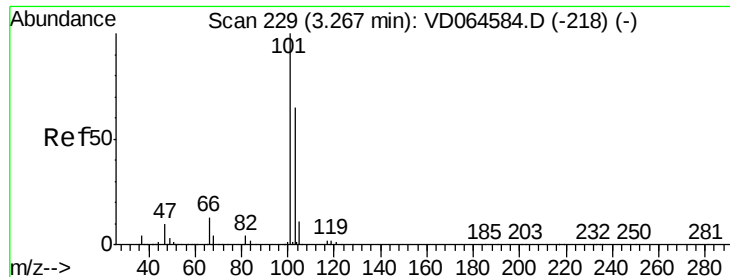
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2000

0

Time-->





#7

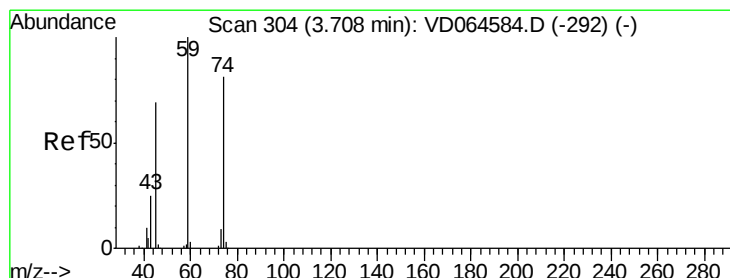
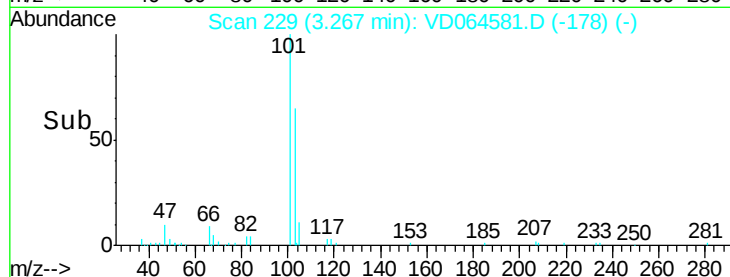
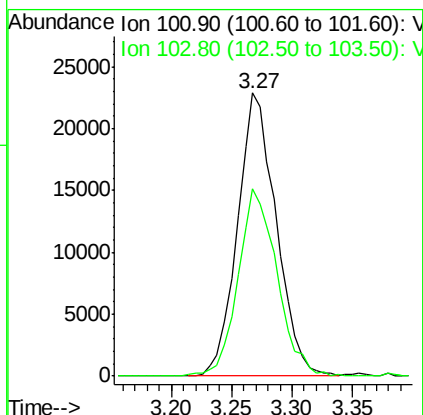
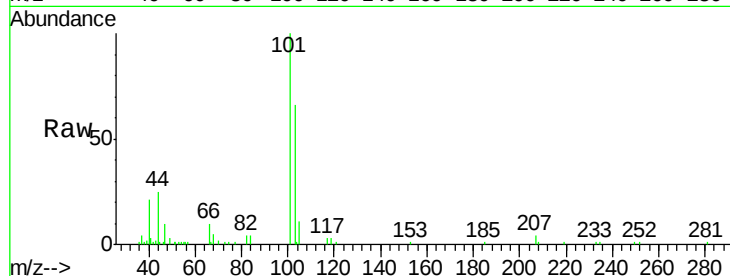
Trichlorofluoromethane
Concen: 5.647 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.4

Manual Integrations
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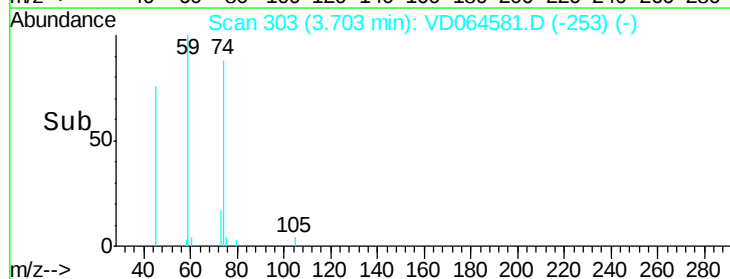
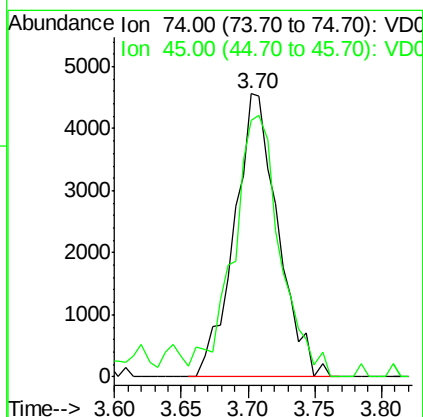
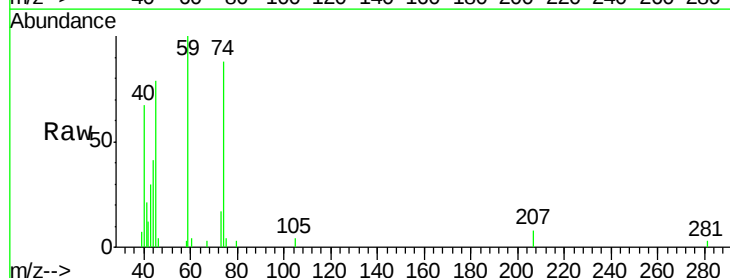
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#8

Diethyl Ether
Concen: 5.550 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.303 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

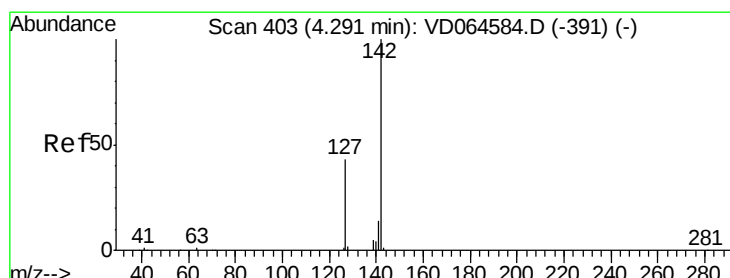
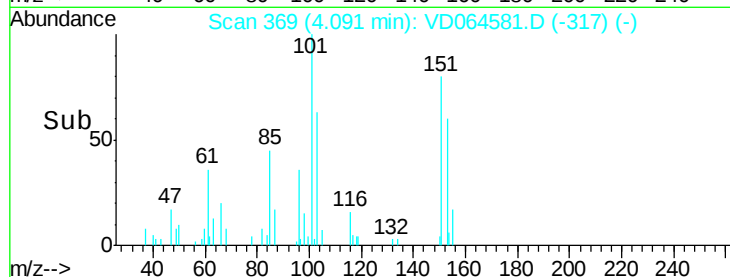
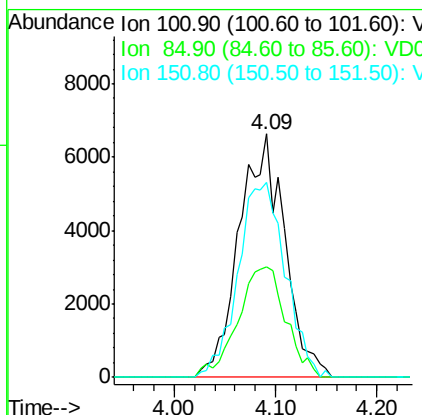
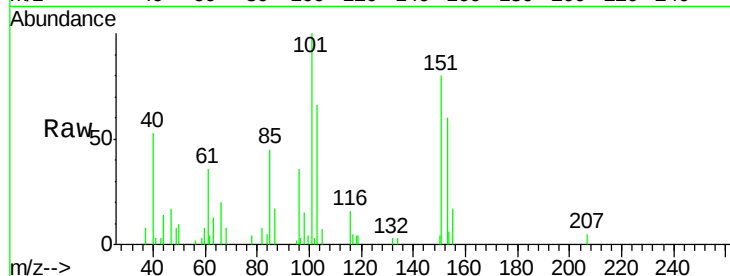
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	20554
Ion Ratio	Lower	Upper	
101	100		
85	47.9	35.2	52.8
151	83.5	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 4.274 ug/l

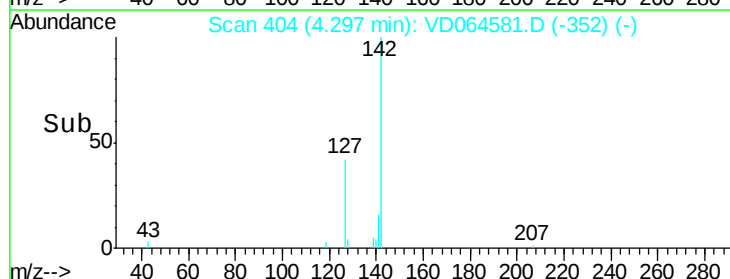
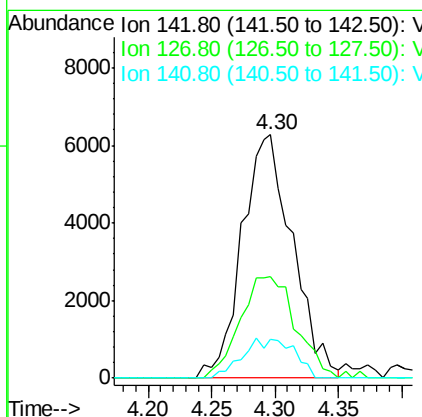
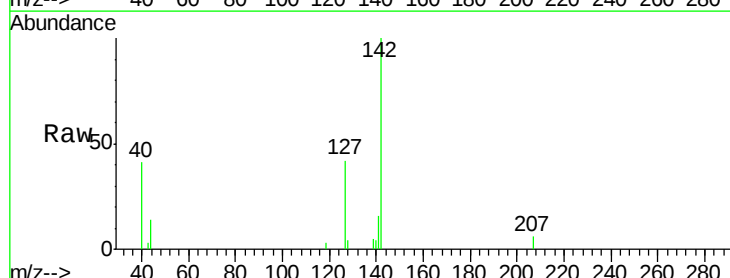
RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	142	Resp:	17392
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.2	54.4
141	16.5	11.8	17.8





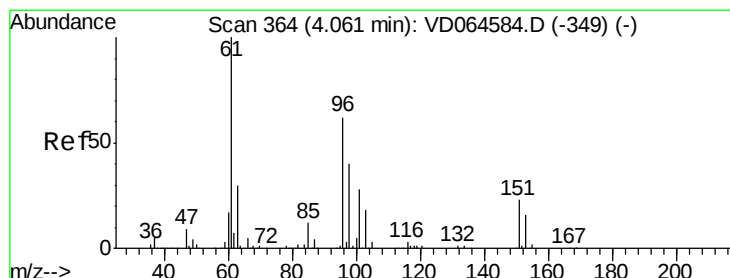
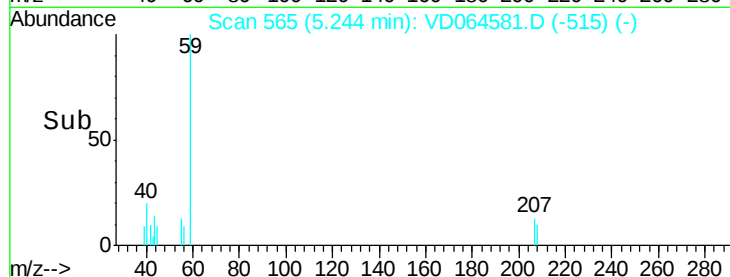
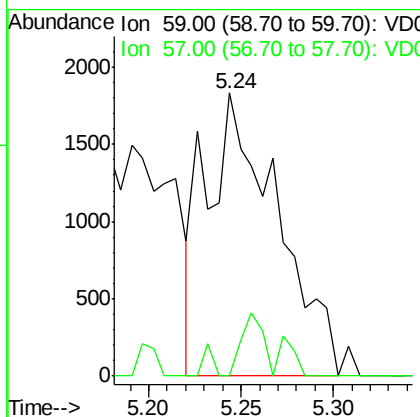
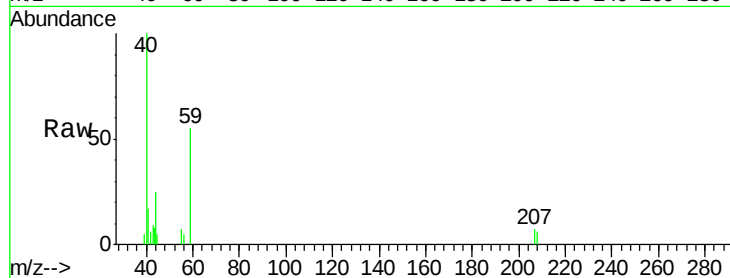
#11
Tert butyl alcohol
Concen: 21.209 ug/l m
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 4955
Ion Ratio Lower Upper
59 100
57 6.6 9.3 13.9#

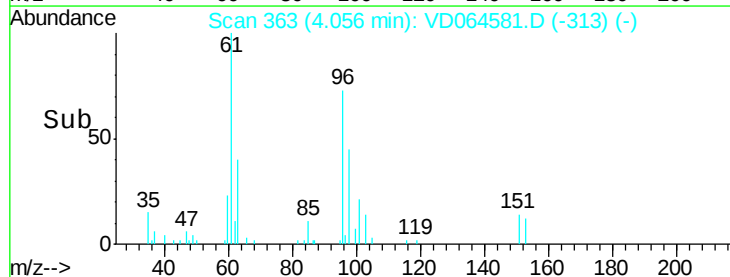
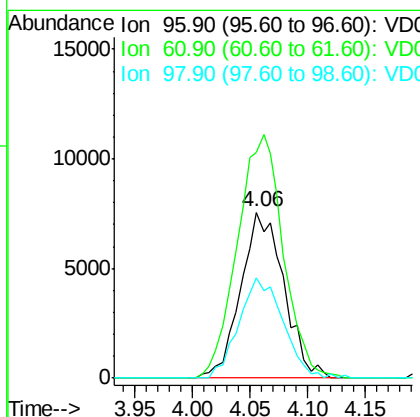
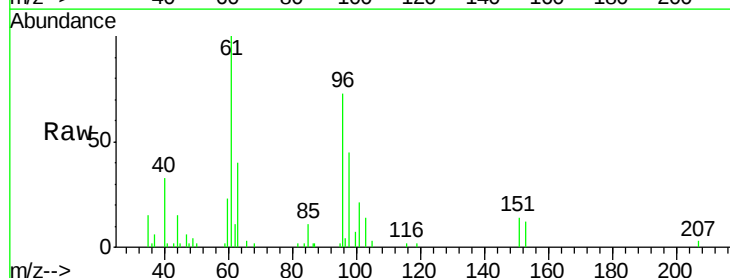
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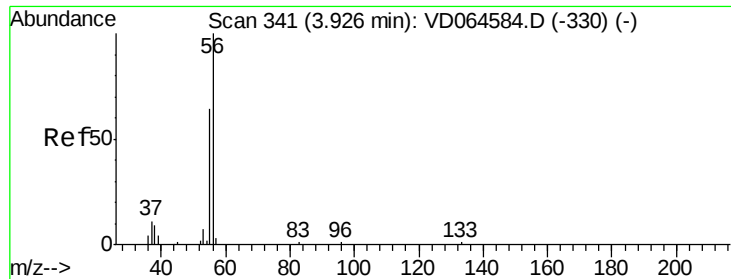
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#12
1,1-Dichloroethene
Concen: 5.321 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 96 Resp: 19688
Ion Ratio Lower Upper
96 100
61 136.1 129.4 194.0
98 60.7 51.4 77.0





#13

Acrolein

Concen: 23.919 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7702

Ion Ratio Lower Upper

56 100

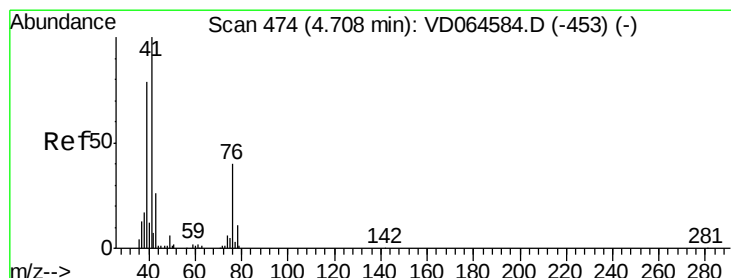
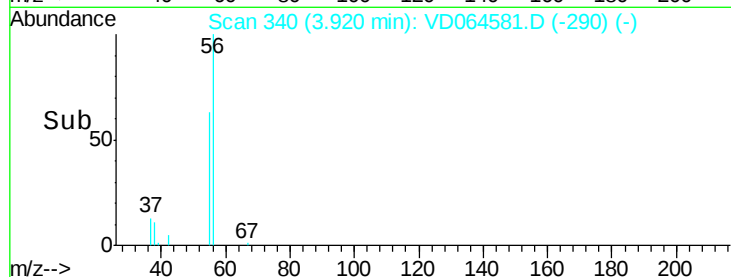
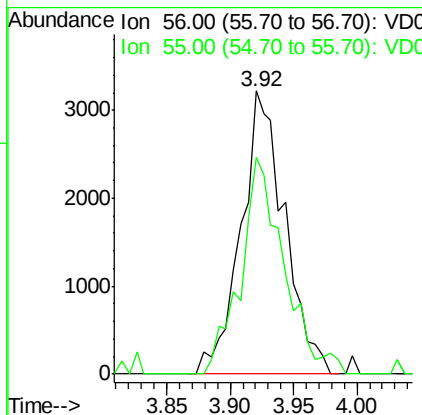
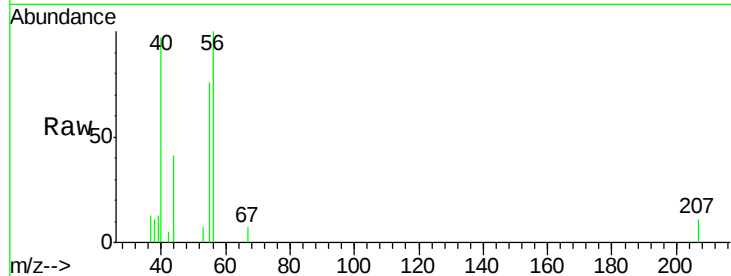
55 76.1 56.7 85.1

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#14

Allyl chloride

Concen: 5.104 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

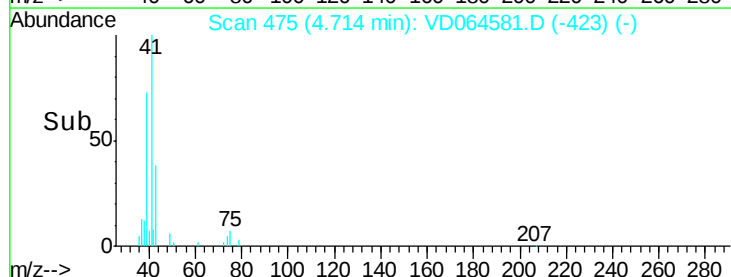
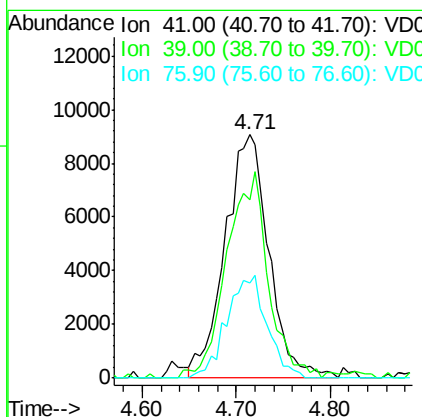
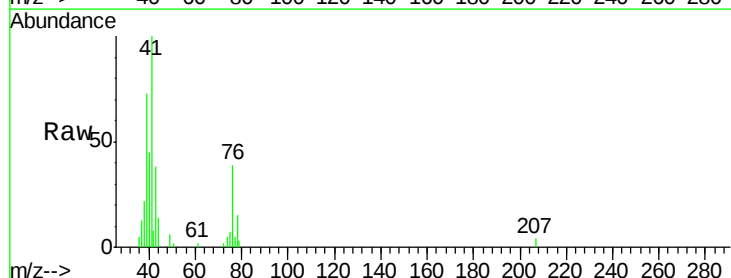
Tgt Ion: 41 Resp: 29410

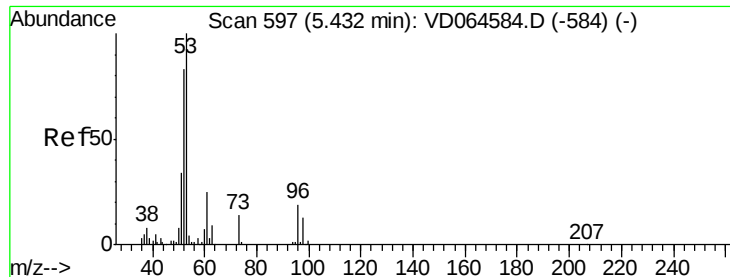
Ion Ratio Lower Upper

41 100

39 80.2 62.3 93.5

76 38.6 29.7 44.5





#15

Acrylonitrile

Concen: 24.238 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

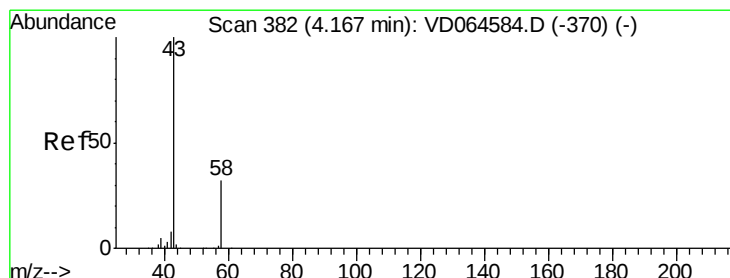
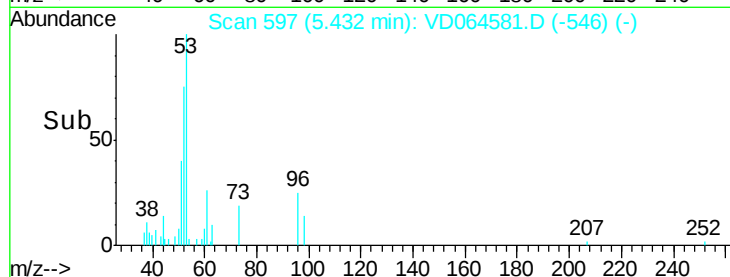
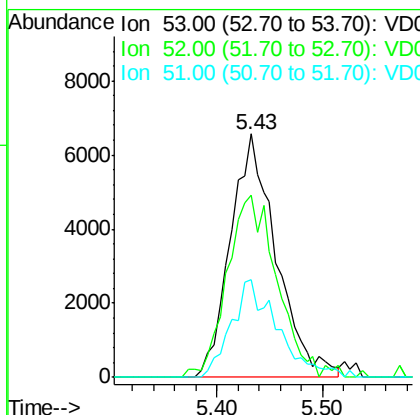
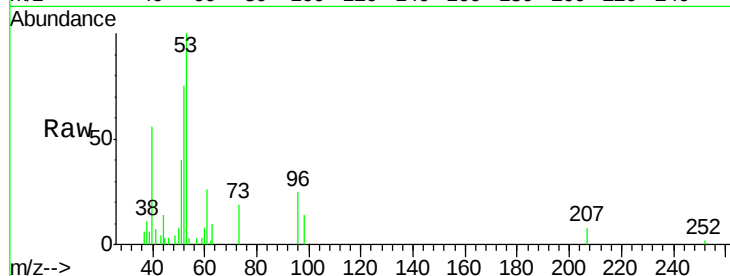
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	19728
Ion	Ratio	Lower	Upper
53	100		
52	80.9	66.2	99.2
51	40.9	30.1	45.1

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#16

Acetone

Concen: 31.135 ug/l

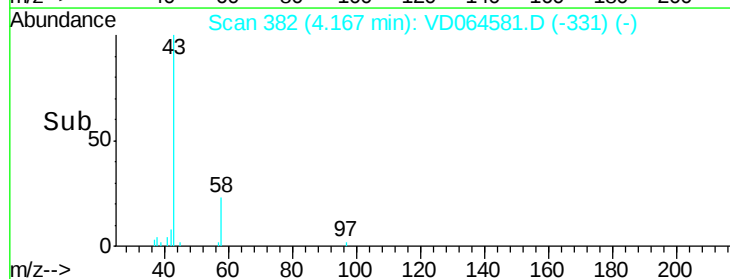
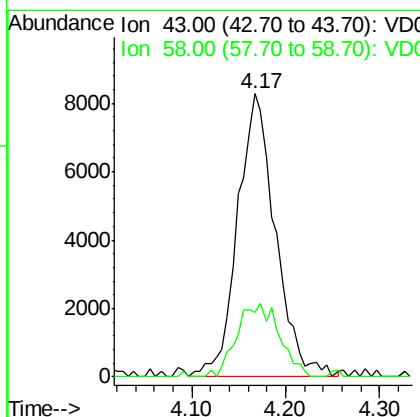
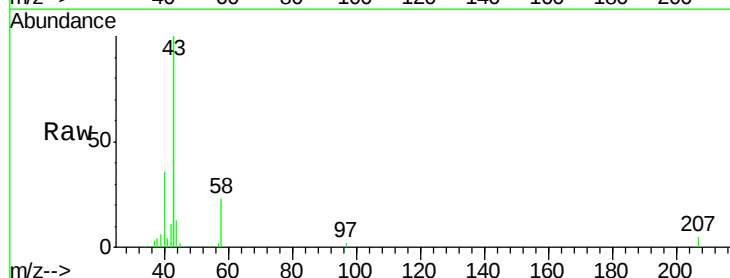
RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	43	Resp:	23164
Ion	Ratio	Lower	Upper
43	100		
58	20.7	25.8	38.6#





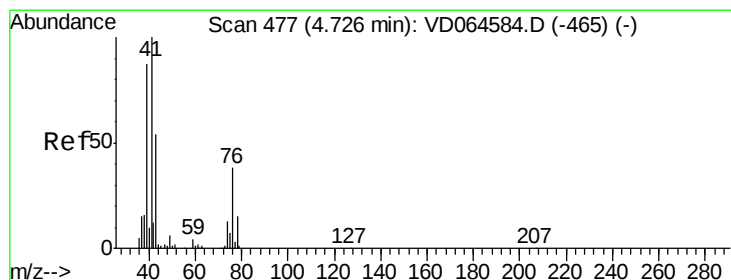
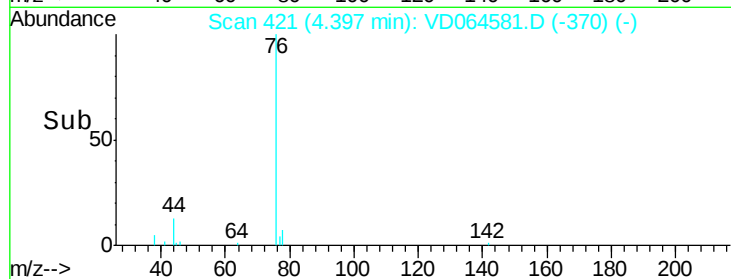
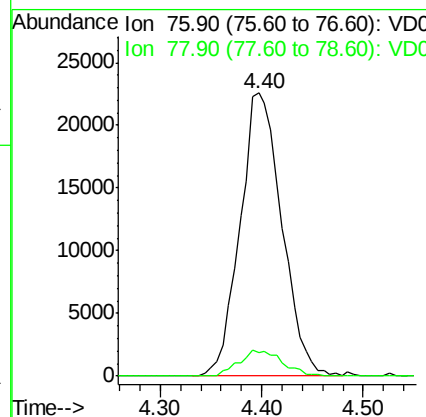
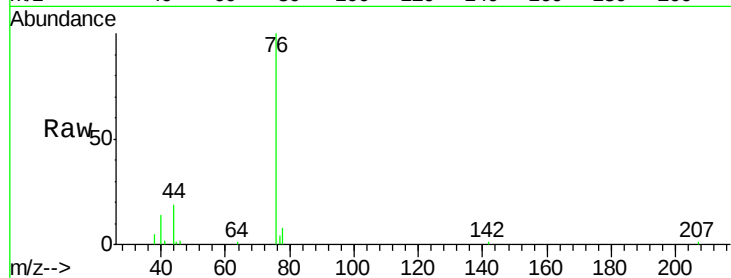
#17
Carbon Disulfide
Concen: 5.518 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

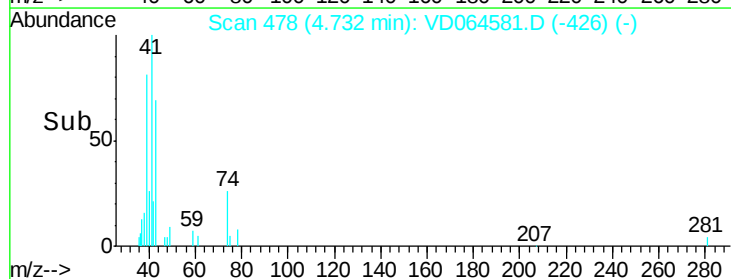
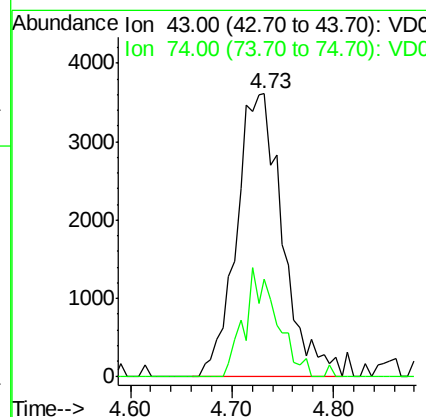
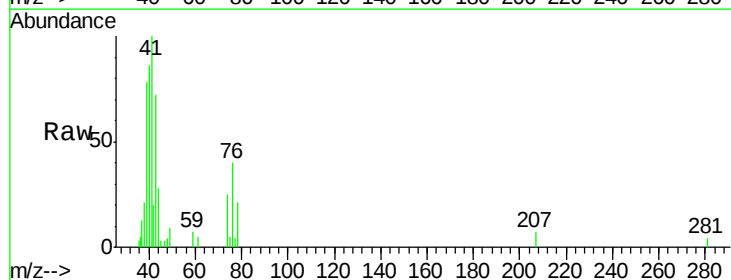
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#18
Methyl Acetate
Concen: 5.258 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.1	19.2	28.8





#19

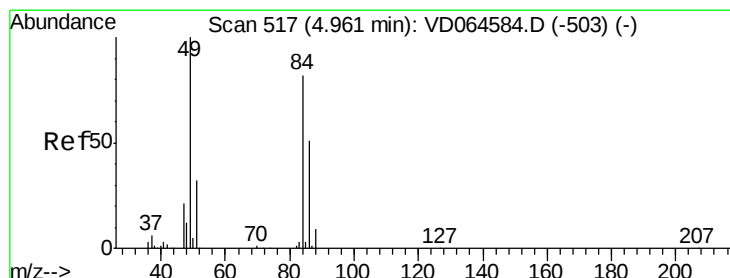
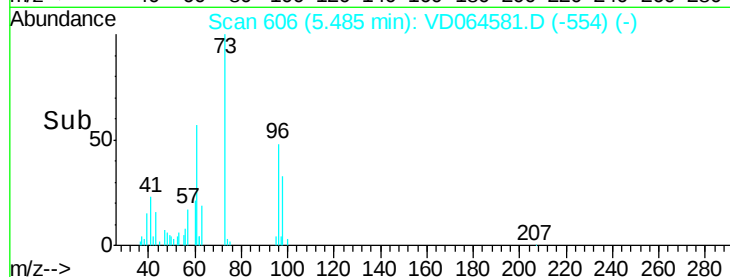
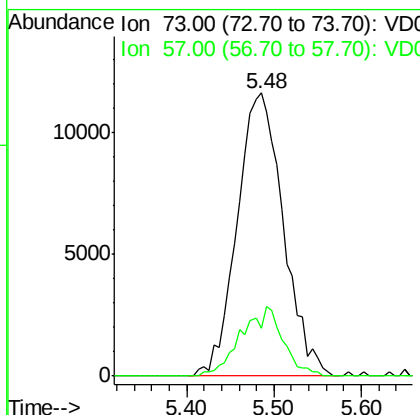
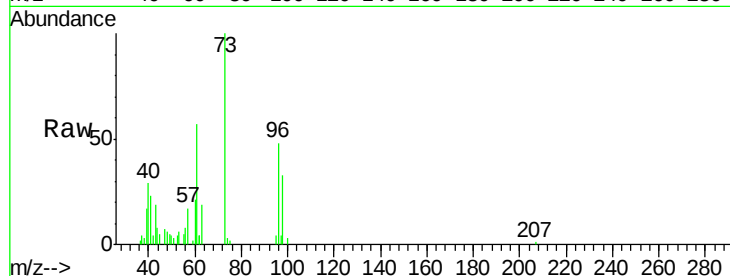
Methyl tert-butyl Ether
 Concen: 4.945 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Tot Ion: 73 Resp: 41720
 Ion Ratio Lower Upper
 73 100
 57 17.0 18.6 27.8#

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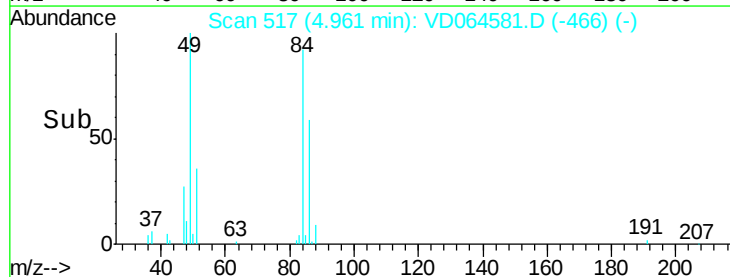
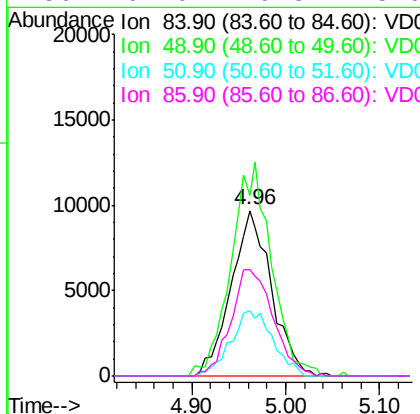
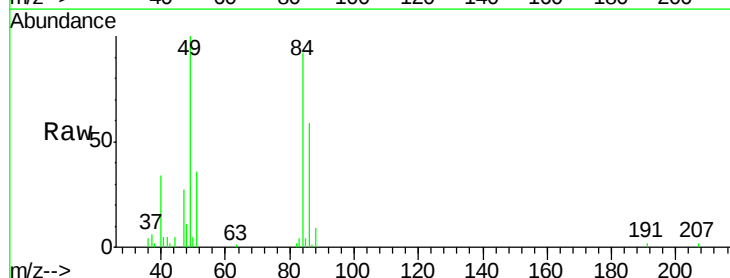
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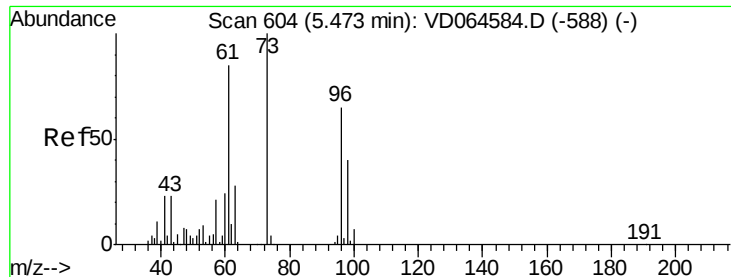


#20

Methylene Chloride
 Concen: 6.697 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion: 84 Resp: 28832
 Ion Ratio Lower Upper
 84 100
 49 108.6 97.2 145.8
 51 39.5 31.4 47.0
 86 64.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 5.359 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

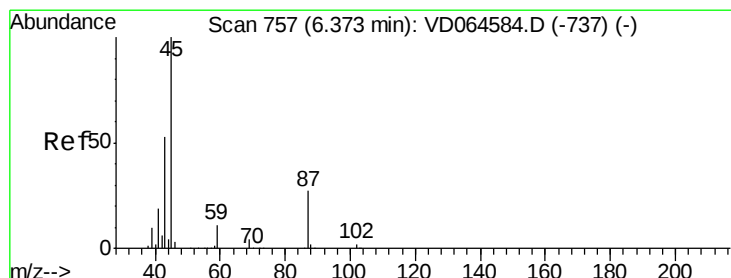
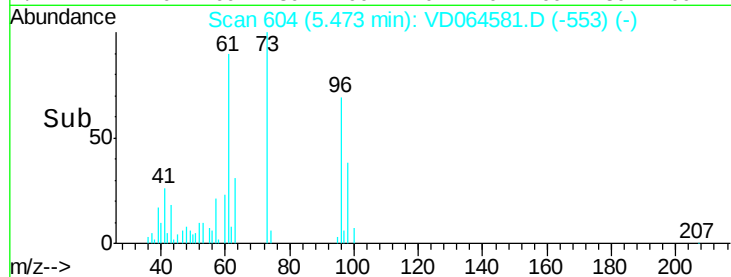
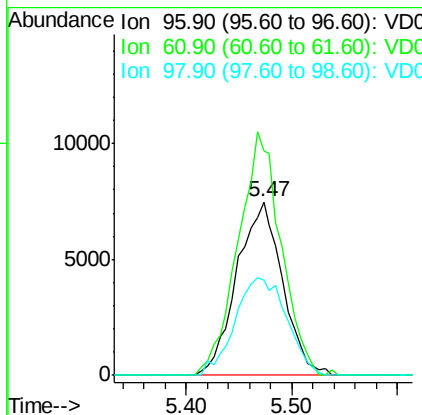
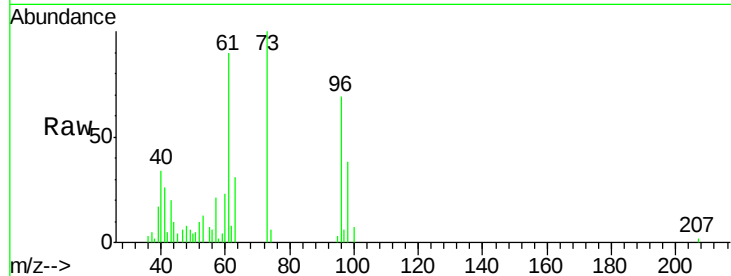
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	22370
Ion	Ratio	Lower	Upper
96	100		
61	129.8	104.7	157.1
98	55.2	49.4	74.2

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#22

Diisopropyl ether

Concen: 5.191 ug/l

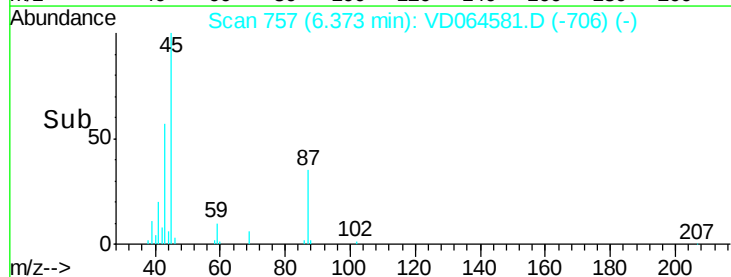
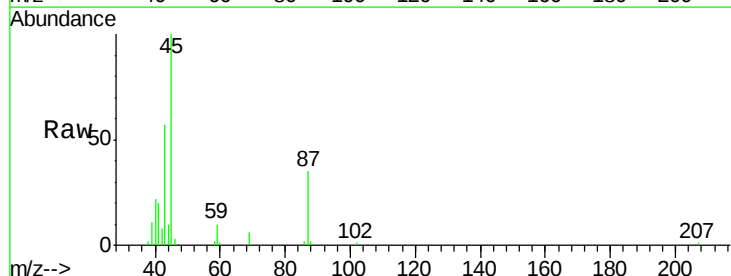
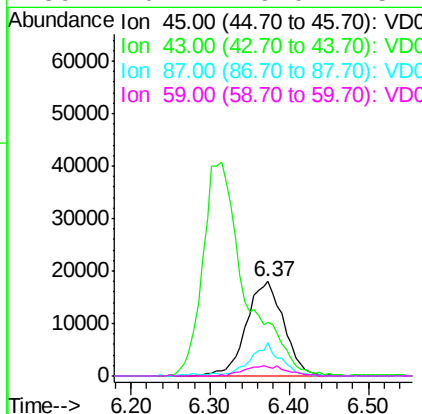
RT: 6.37 min Scan# 757

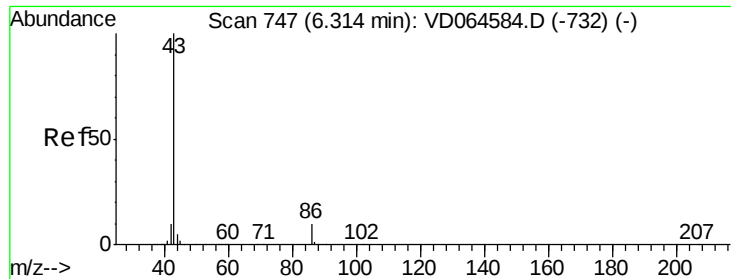
Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	45	Resp:	59209
Ion	Ratio	Lower	Upper
45	100		
43	56.2	43.2	64.8
87	34.6	21.9	32.9#
59	10.1	9.0	13.4





#23

Vinyl Acetate

Concen: 22.701 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 151985

Ion Ratio Lower Upper

43 100

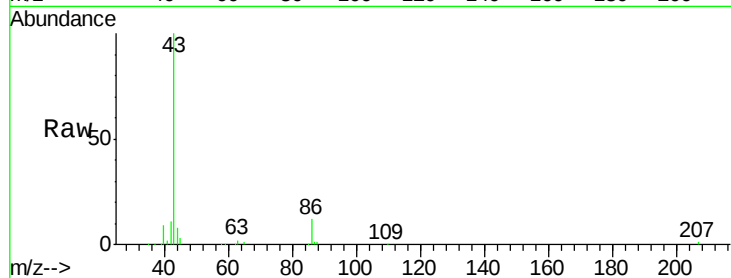
86 11.6 8.3 12.5

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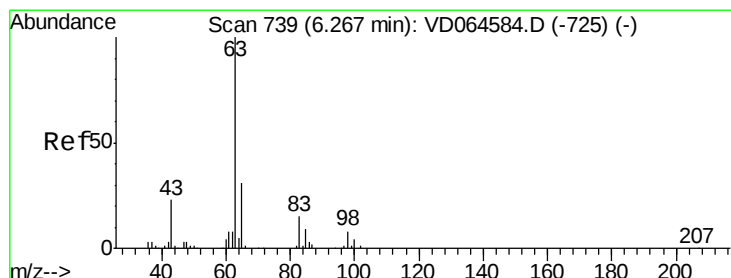
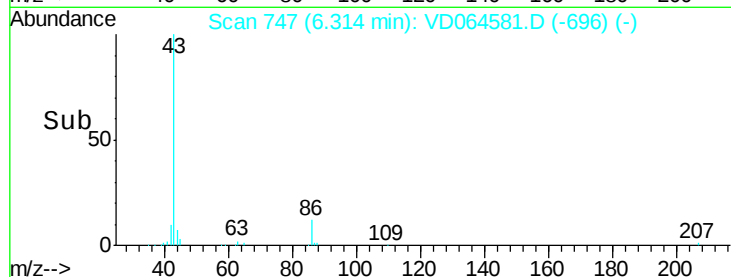
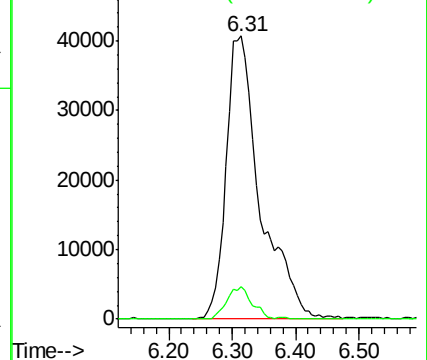
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.246 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

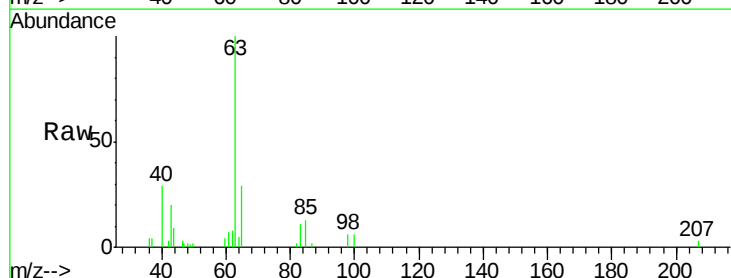
Tgt Ion: 63 Resp: 35889

Ion Ratio Lower Upper

63 100

98 6.1 4.1 12.3

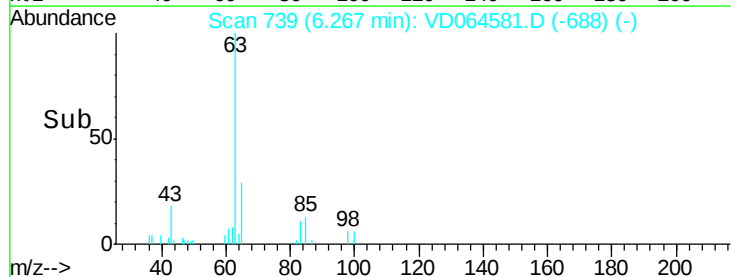
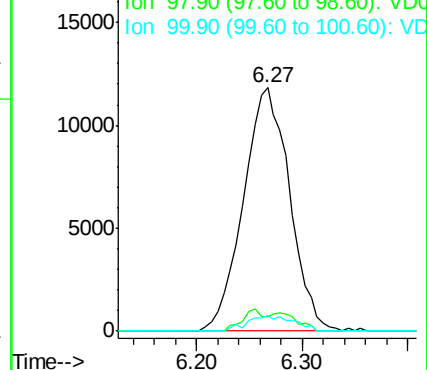
100 6.3 2.2 6.6

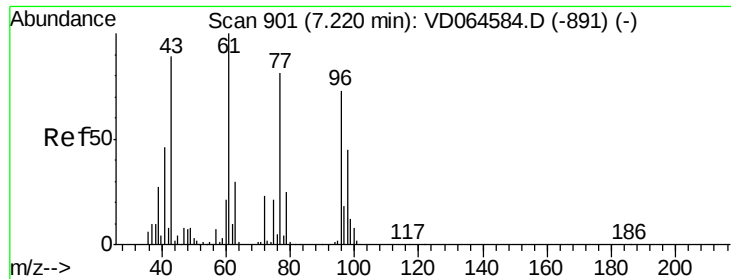


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 24.665 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 25998

Ion Ratio Lower Upper

43 100

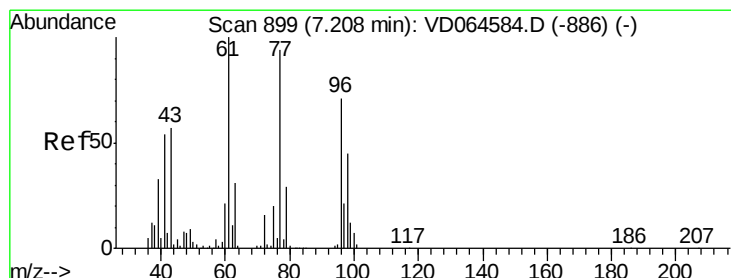
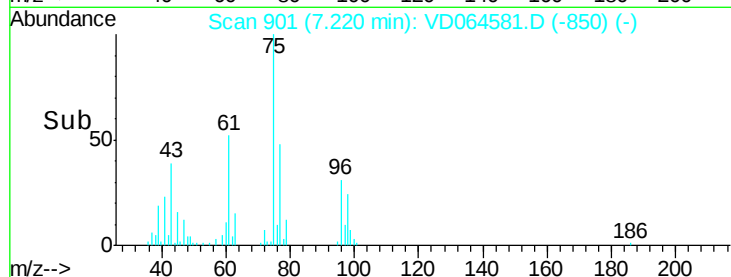
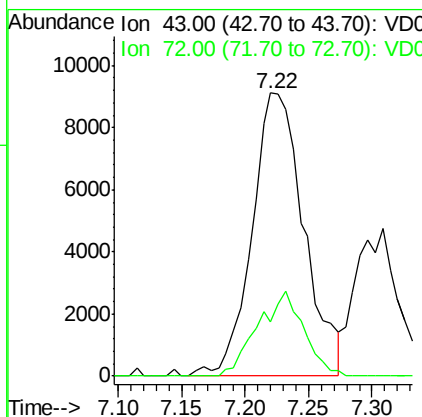
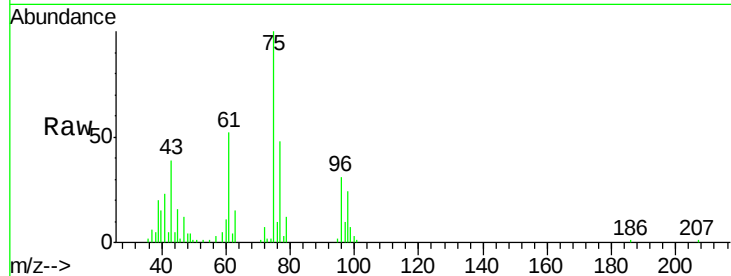
72 19.2 20.7 31.1#

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#26

2,2-Dichloropropane

Concen: 5.954 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064581.D

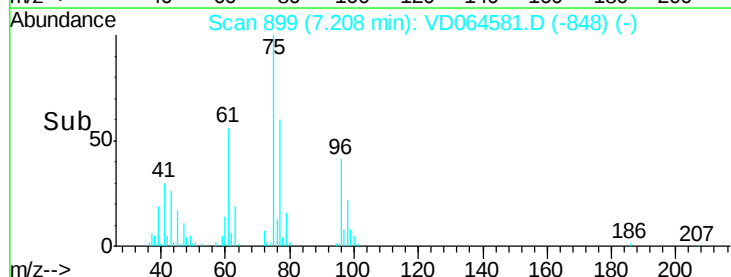
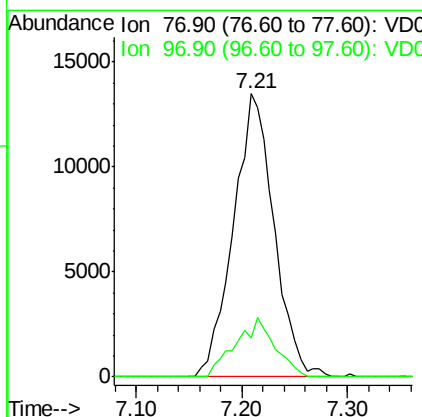
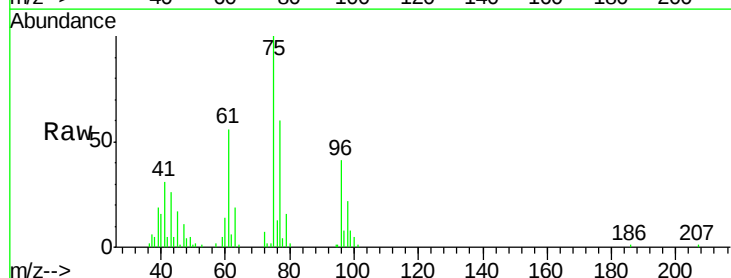
Acq: 24 Dec 2019 10:23

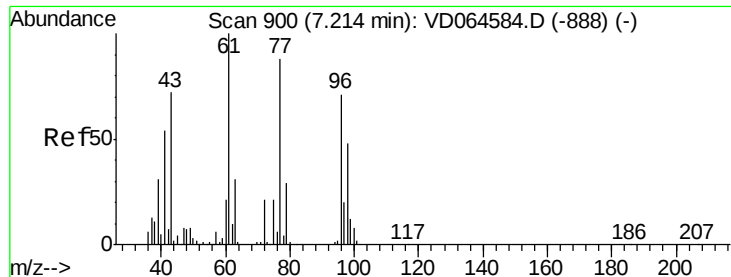
Tgt Ion: 77 Resp: 35864

Ion Ratio Lower Upper

77 100

97 20.2 11.2 33.6





#27

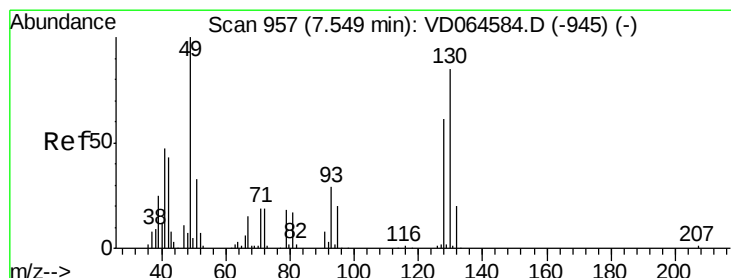
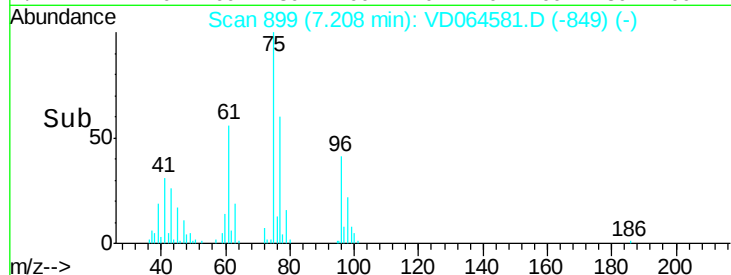
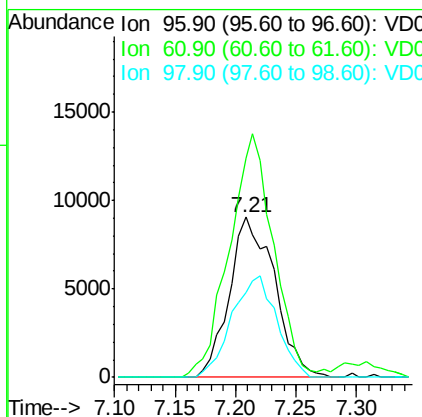
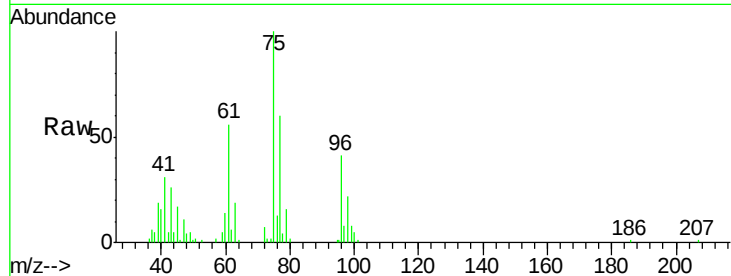
cis-1,2-Dichloroethene
 Concen: 5.214 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	282.6
98	62.3	0.0	130.8

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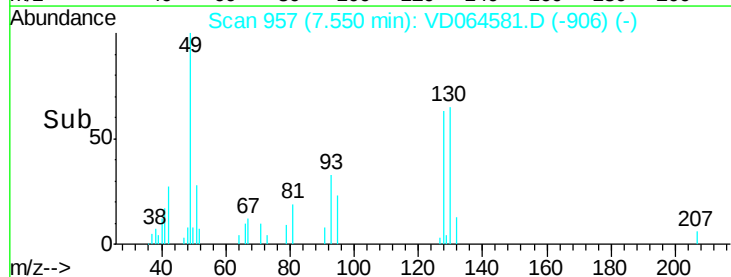
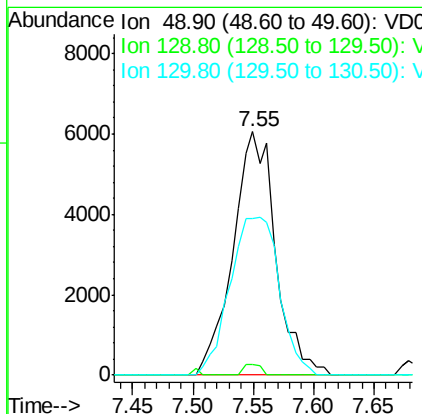
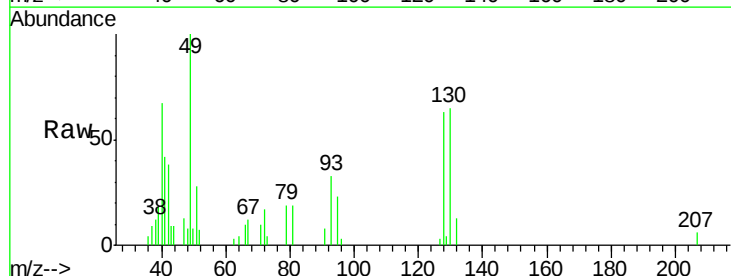
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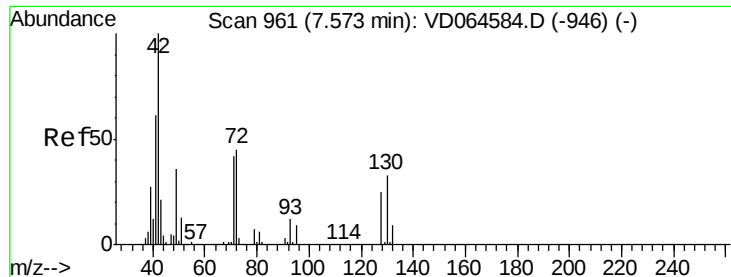


#28

Bromochloromethane
 Concen: 6.175 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.8
130	75.1	65.0	97.6





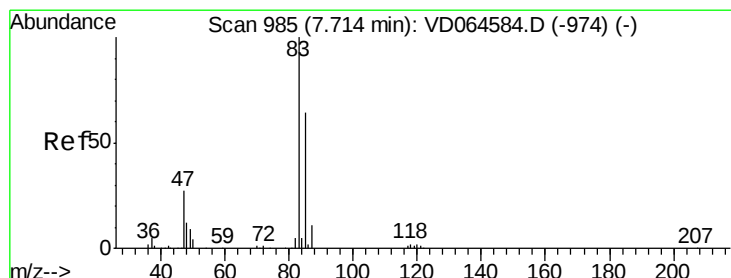
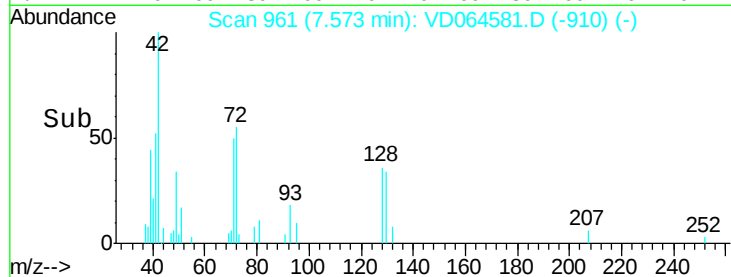
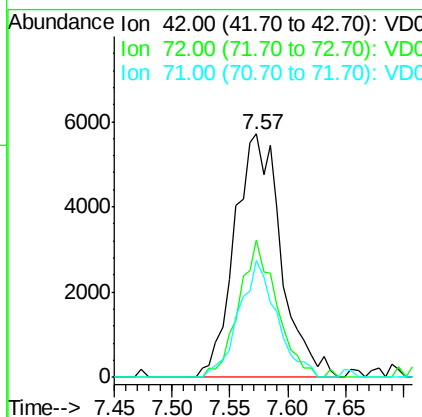
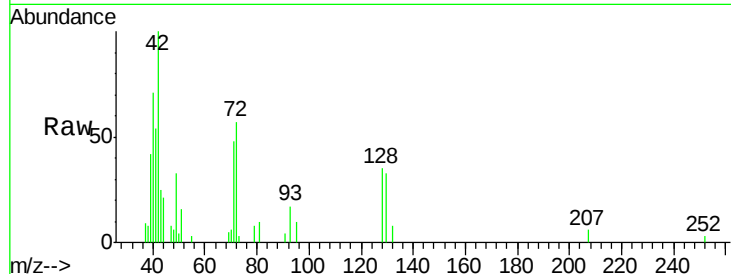
#29
Tetrahydrofuran
Concen: 23.826 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.0	52.4
71	38.9	32.9	49.3

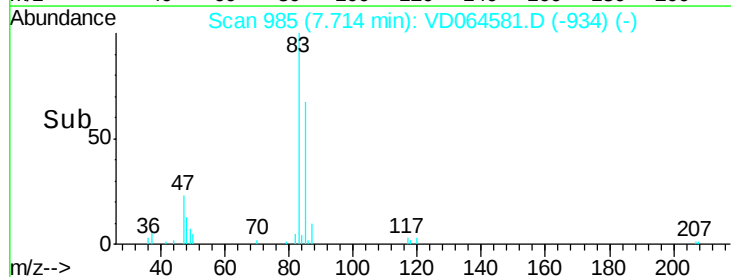
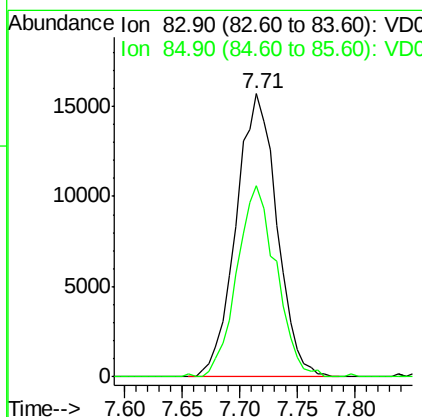
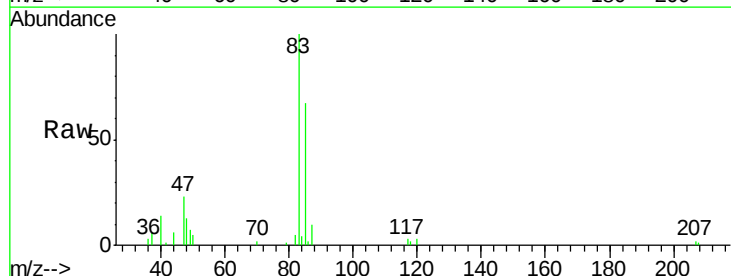
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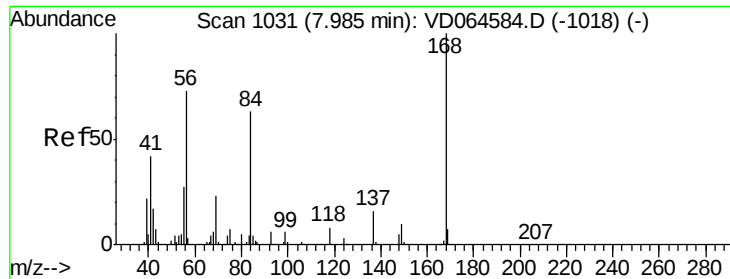
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#30
Chloroform
Concen: 5.440 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.1	76.7





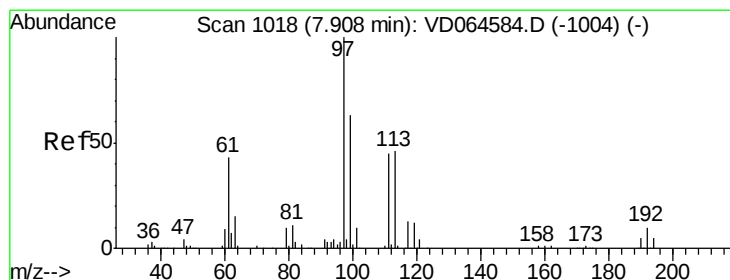
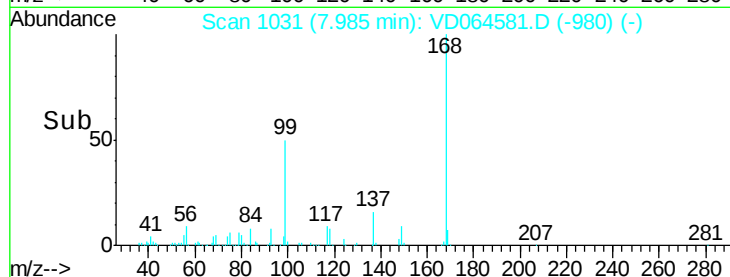
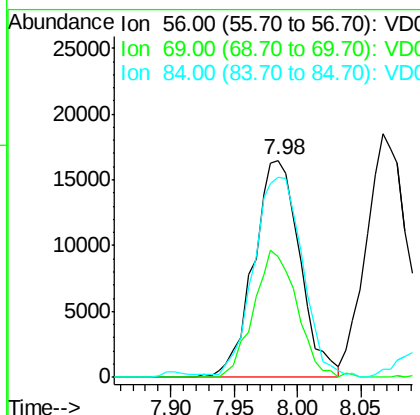
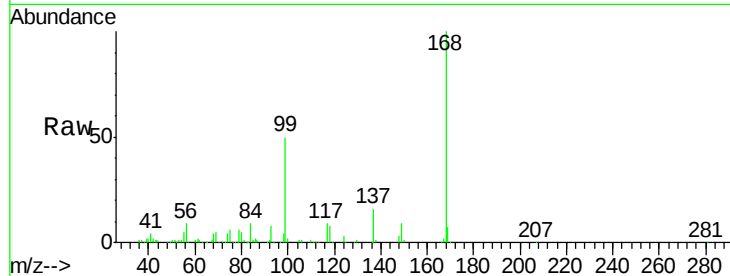
#31
Cyclohexane
Concen: 6.202 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	55.8	24.7	37.1#	
84	90.5	69.4	104.2	

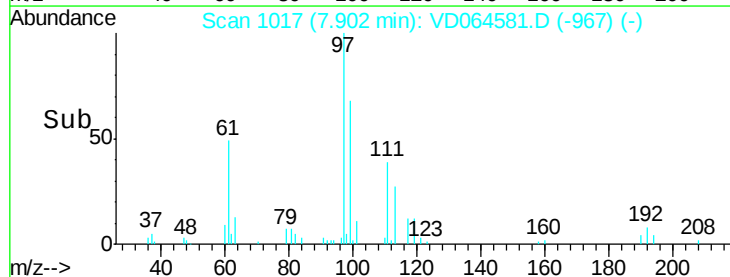
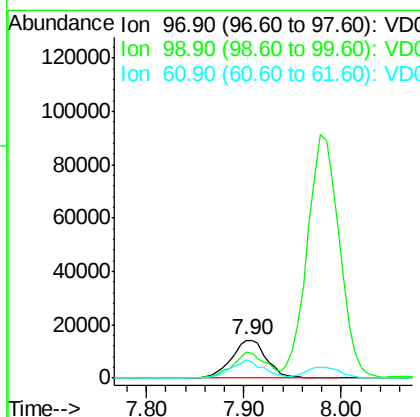
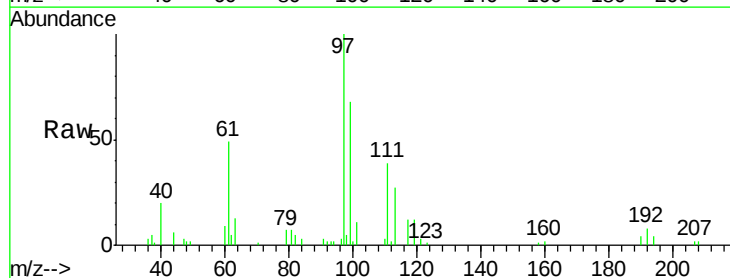
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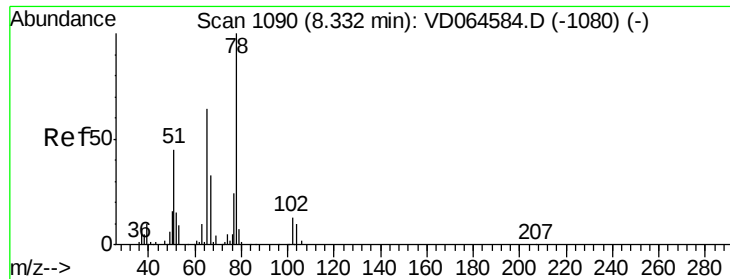
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#32
1,1,1-Trichloroethane
Concen: 5.434 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.8	51.0	76.6	
61	43.1	35.4	53.0	





#33

1,2-Dichloroethane-d4

Concen: 5.570 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 20769

Ion Ratio Lower Upper

65 100

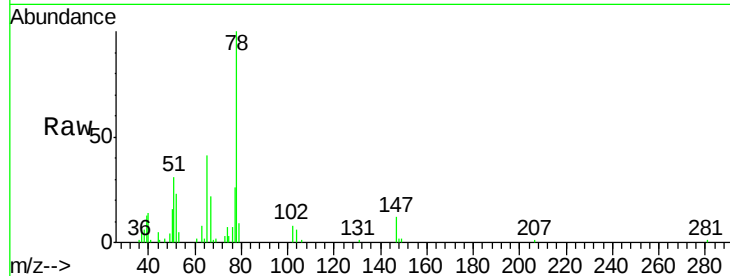
67 54.0 0.0 106.2

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

8000

6000

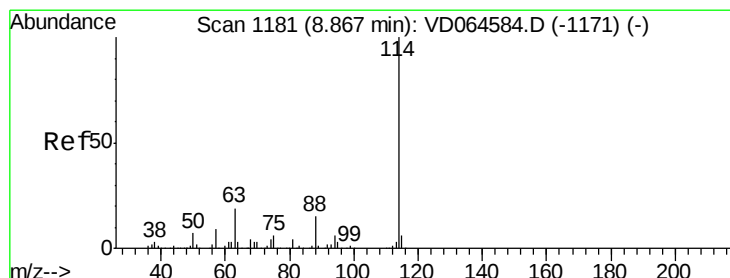
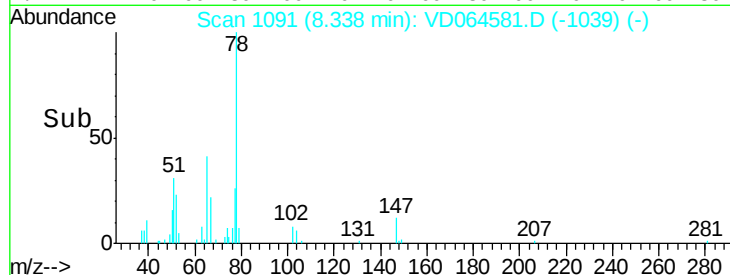
4000

2000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

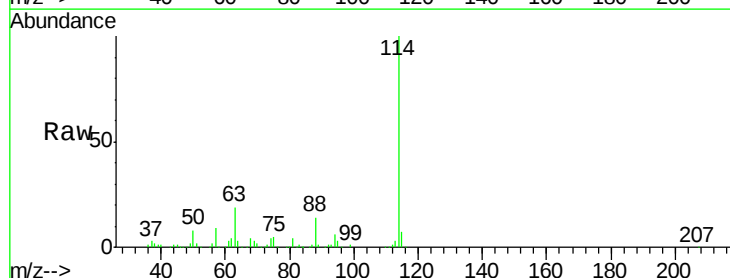
Tgt Ion:114 Resp: 602680

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.0

88 14.5 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

300000

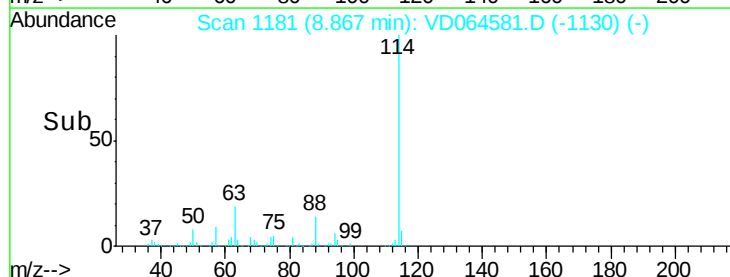
200000

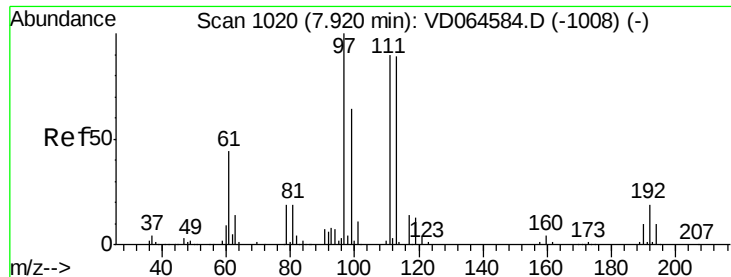
100000

0

8.75 8.80 8.85 8.90 8.95

Time-->





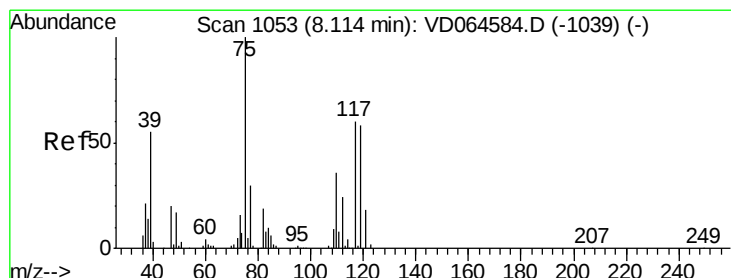
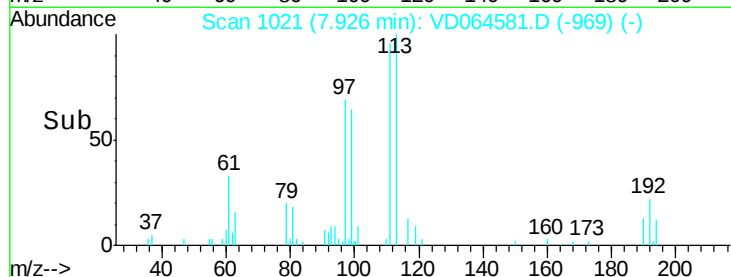
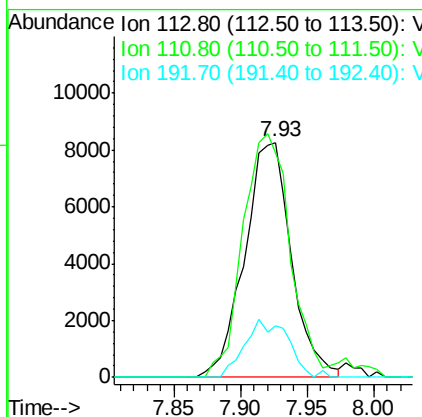
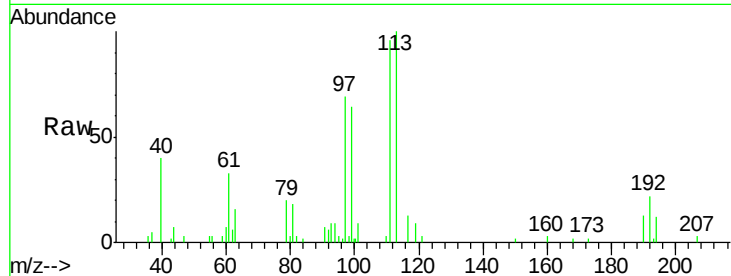
#35
 Dibromofluoromethane
 Concen: 5.276 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	20089		
111	105.0		80.6	121.0
192	22.9		17.9	26.9

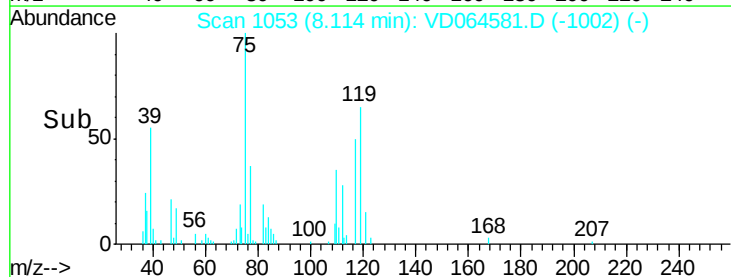
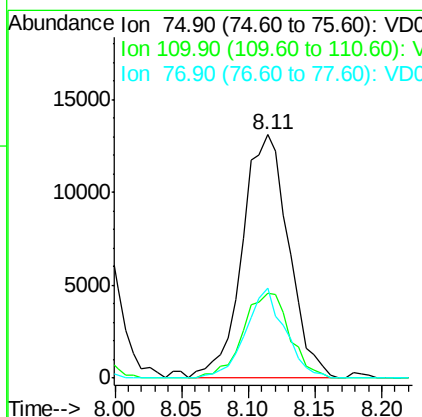
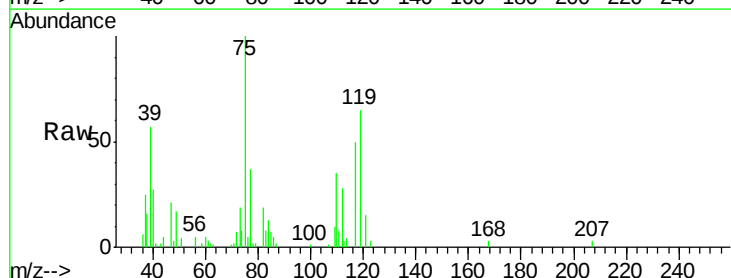
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#36
 1,1-Dichloropropene
 Concen: 5.490 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31525		
110	35.1		18.1	54.1
77	31.0		24.2	36.4





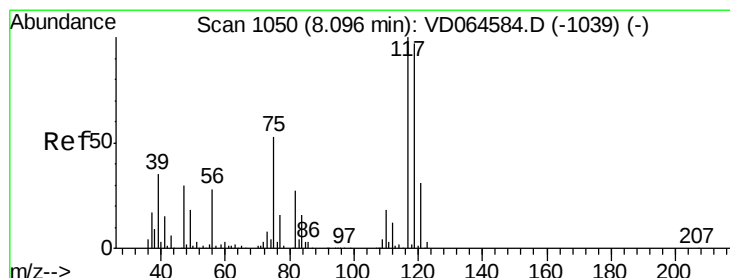
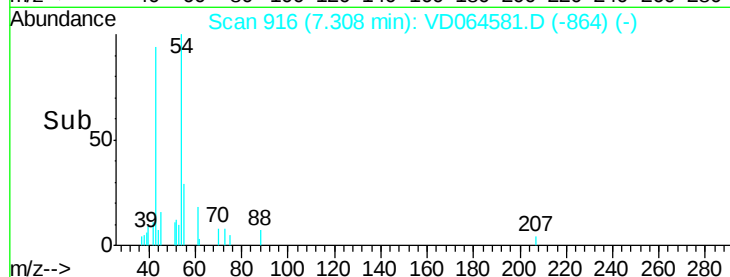
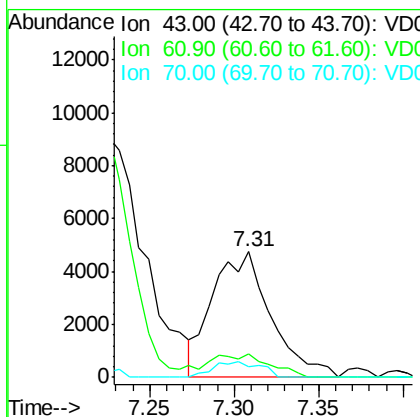
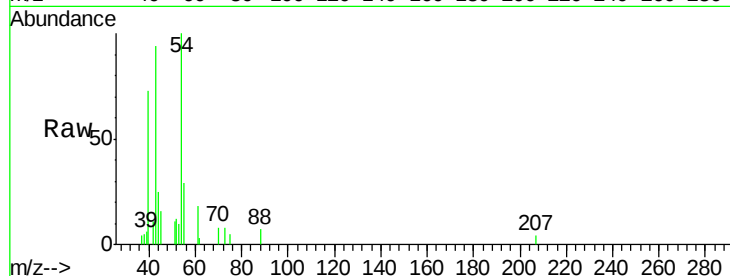
#37
Ethyl Acetate
Concen: 4.727 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.4	10.3	15.5#
70	10.1	7.6	11.4

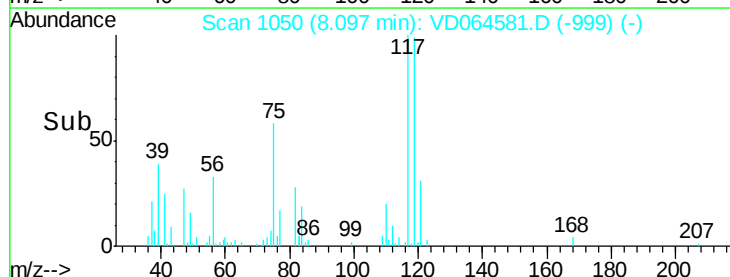
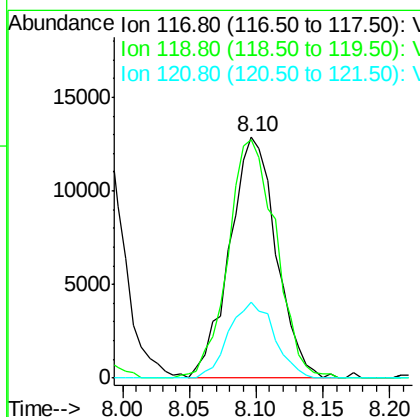
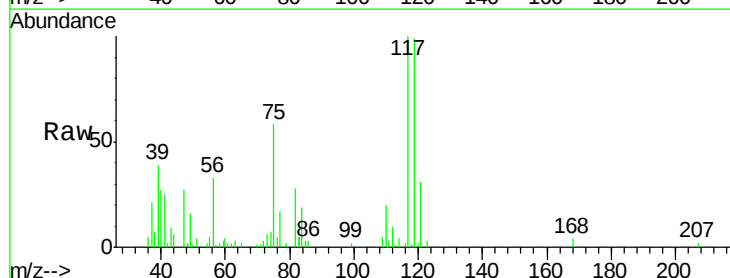
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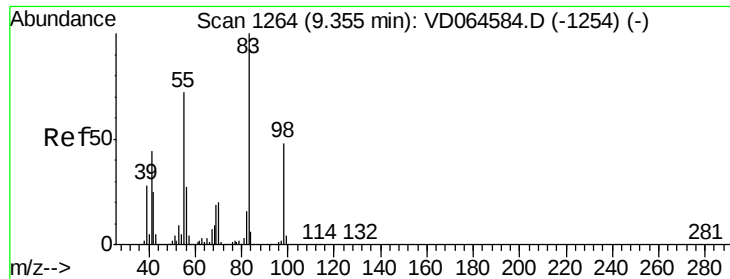
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#38
Carbon Tetrachloride
Concen: 5.154 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	77.3	115.9
121	31.3	25.0	37.6





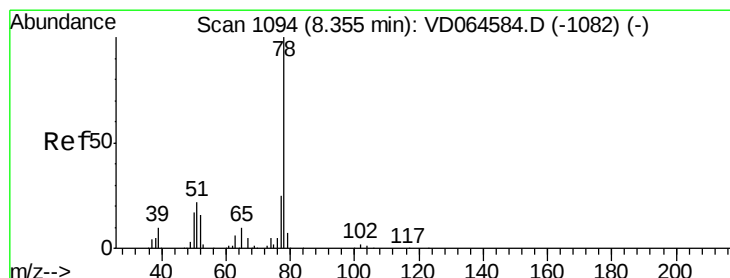
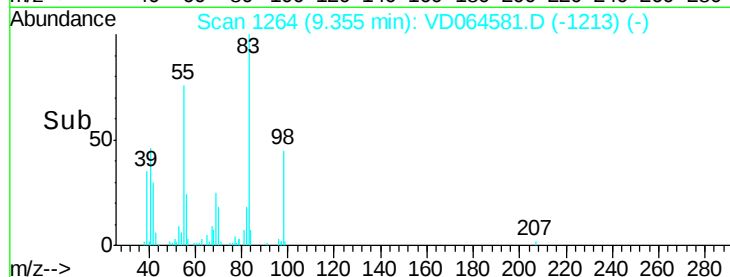
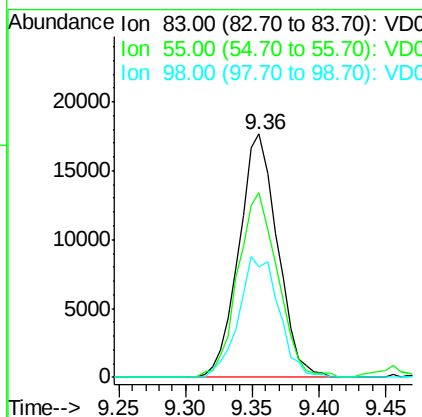
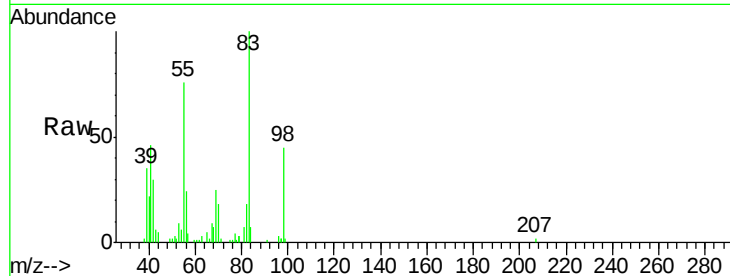
#39
Methvlcvclohexane
Concen: 5.003 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.7	57.8	86.6
98	45.2	38.7	58.1

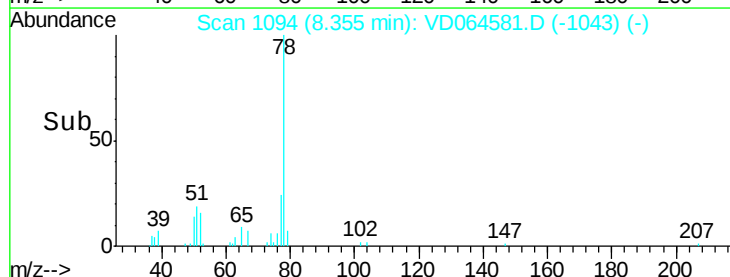
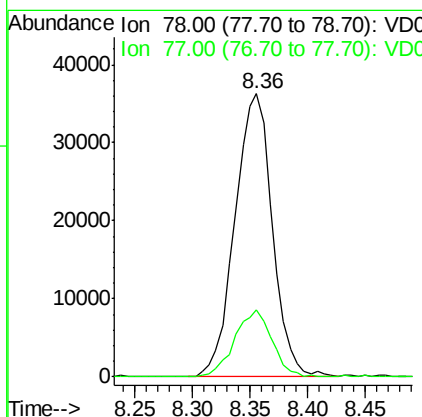
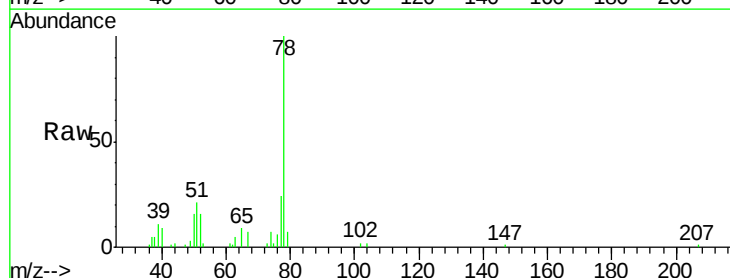
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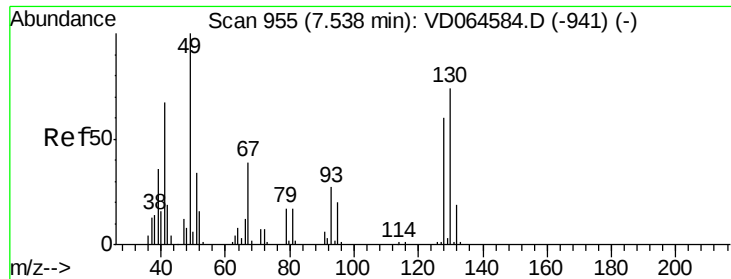
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#40
Benzene
Concen: 5.157 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.9	29.9





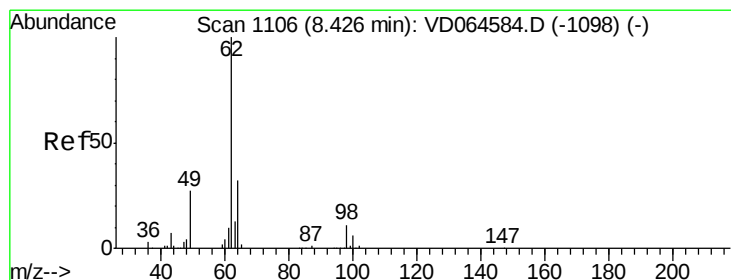
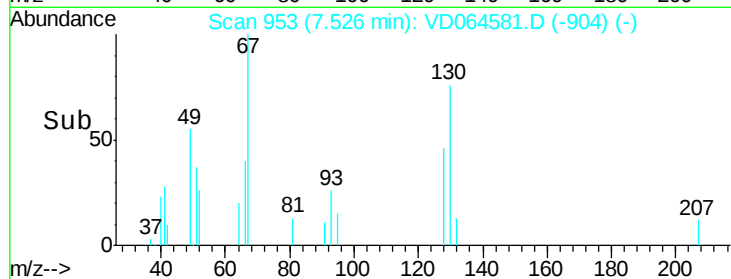
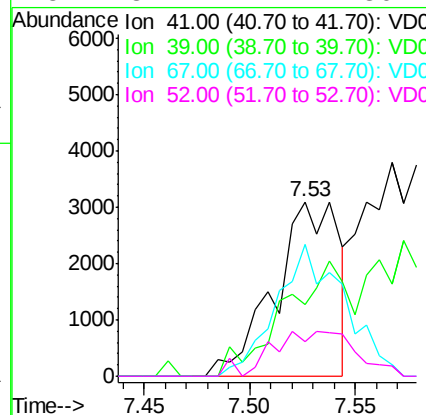
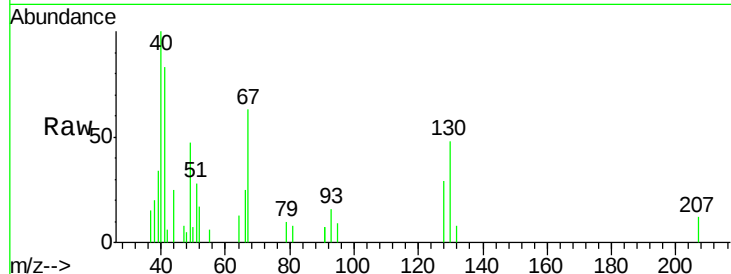
#41
Methacrylonitrile
Concen: 4.777 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.7	46.7	70.1
67	80.2	52.5	78.7
52	34.1	24.1	36.1

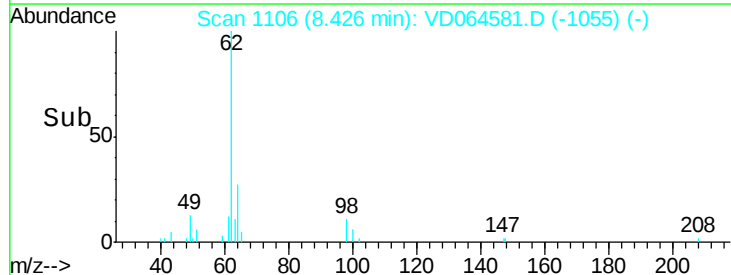
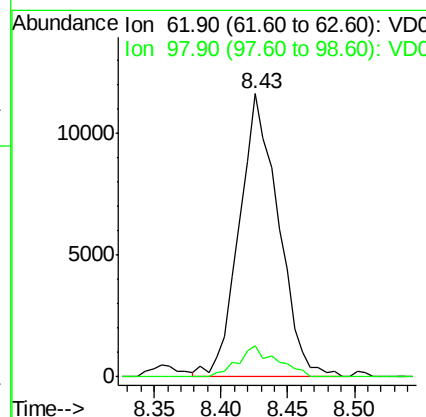
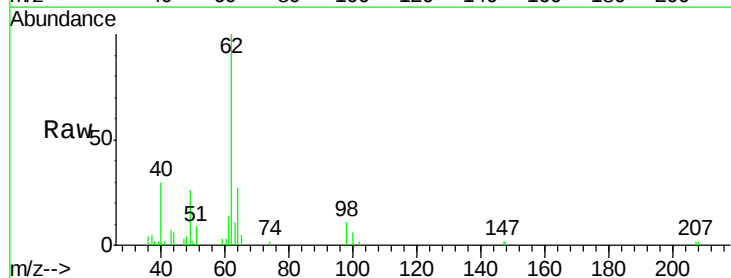
Manual Integrations
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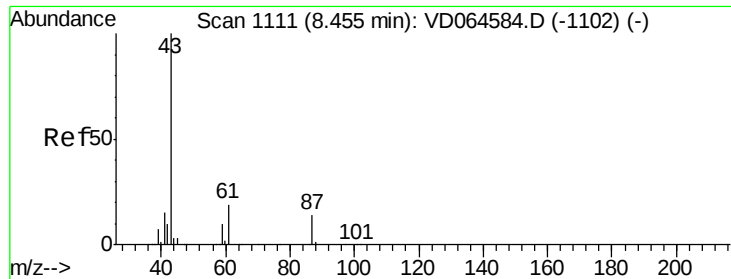
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#42
1,2-Dichloroethane
Concen: 5.136 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.0





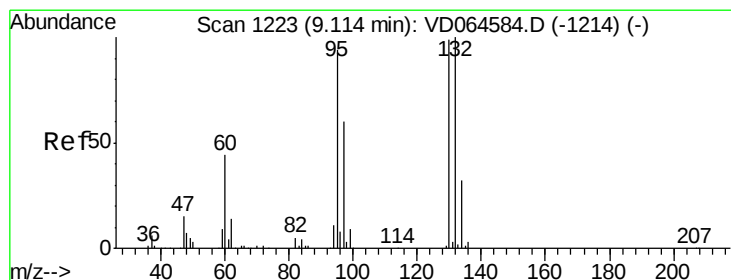
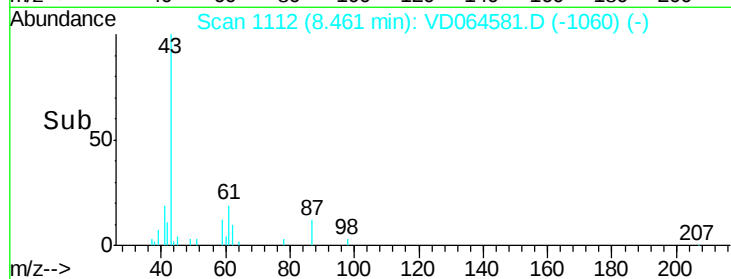
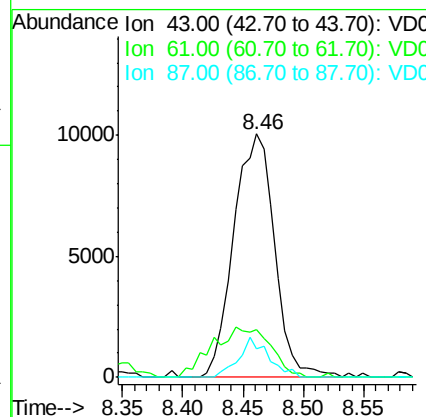
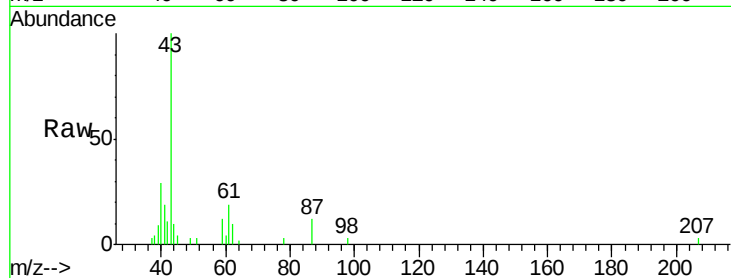
#43
Isopropyl Acetate
Concen: 5.013 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.7	35.5
87	12.1	10.5	15.7

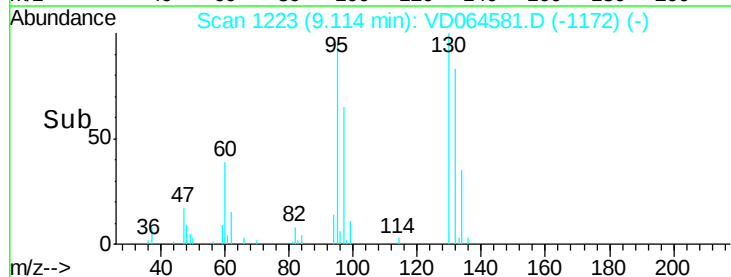
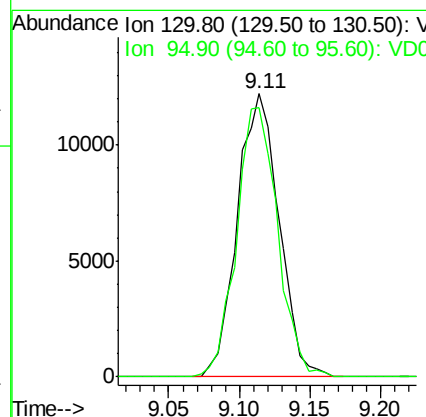
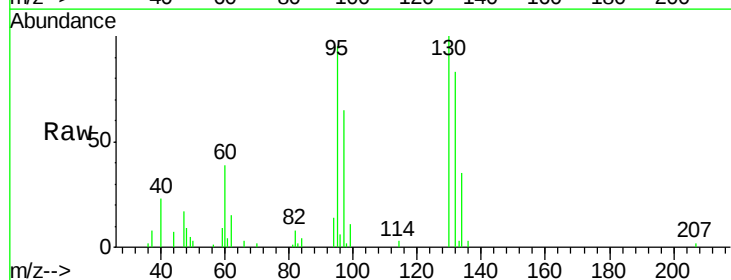
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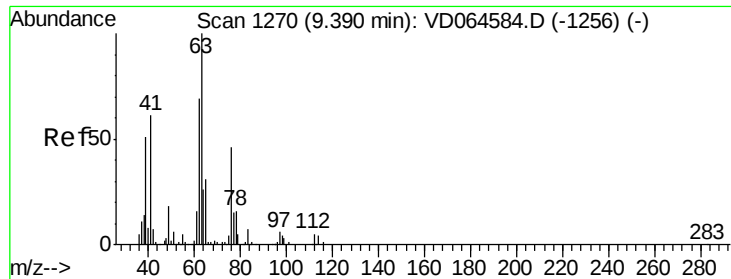
apatel
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#44
Trichloroethene
Concen: 5.298 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.1	0.0	190.2





#45

1,2-Dichloropropane

Concen: 5.336 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 20121

Ion Ratio Lower Upper

63 100

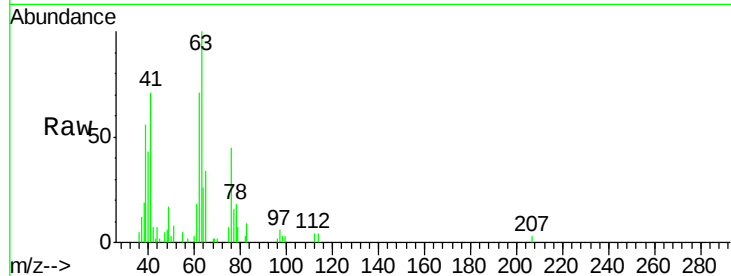
65 33.5 25.2 37.8

Manual Integrations

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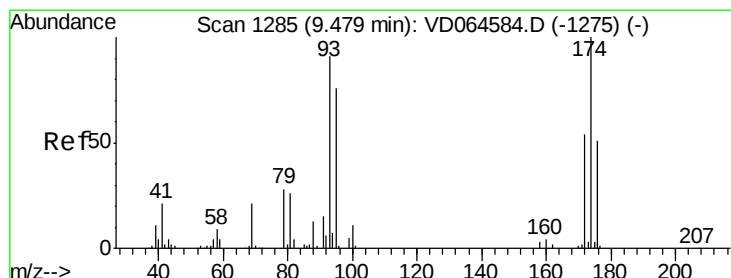
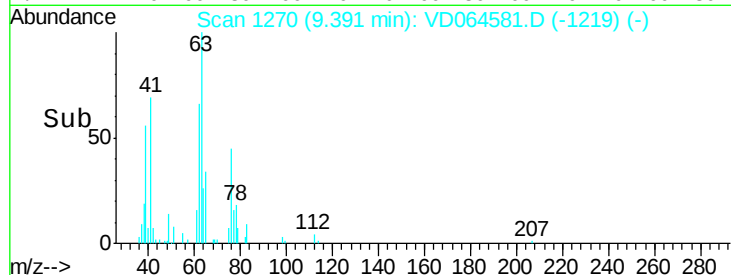
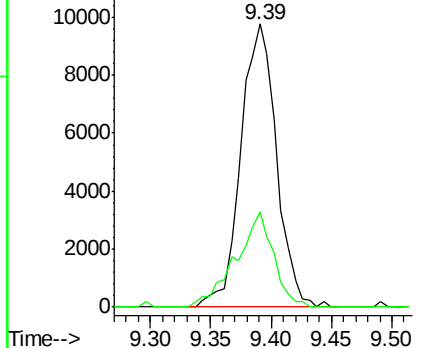
apatel

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 4.964 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

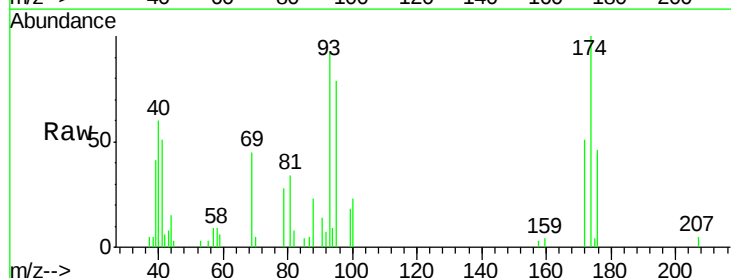
Tgt Ion: 93 Resp: 10601

Ion Ratio Lower Upper

93 100

95 90.5 64.6 97.0

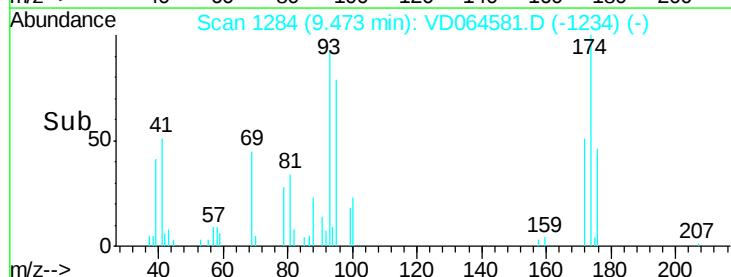
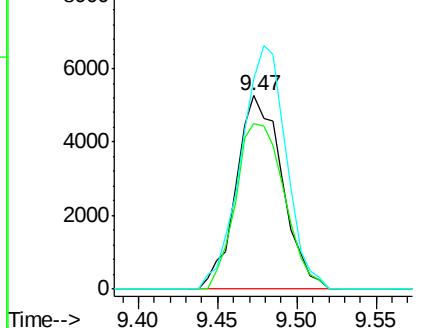
174 123.7 88.1 132.1

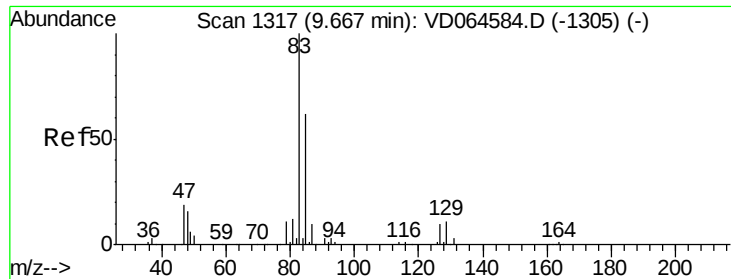


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 5.533 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

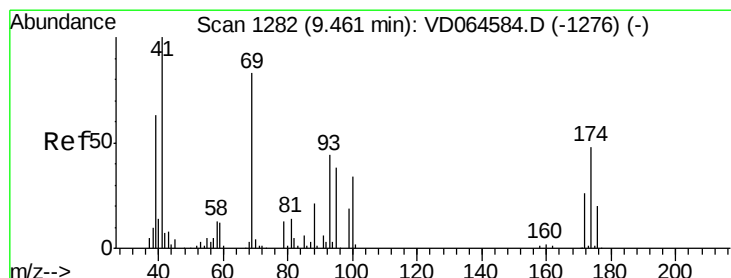
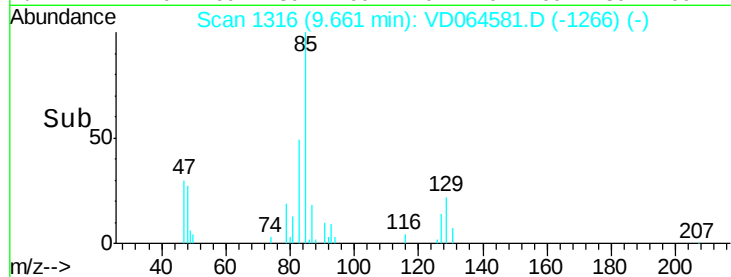
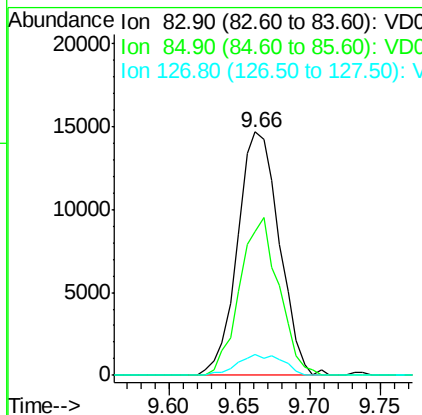
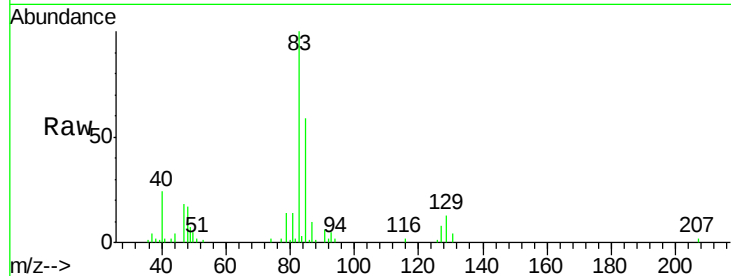
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	30413
Ion	Ratio	Lower	Upper
83	100		
85	59.3	49.5	74.3
127	8.5	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.289 ug/l

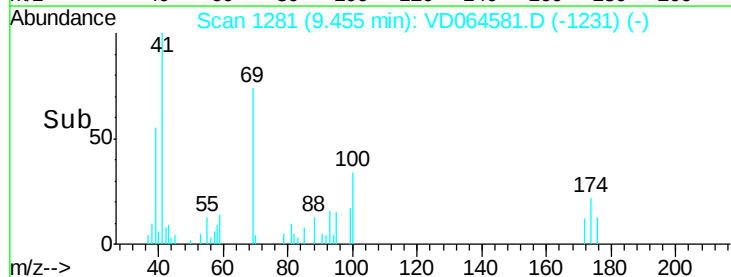
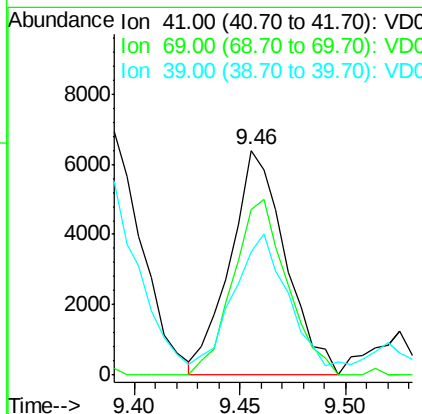
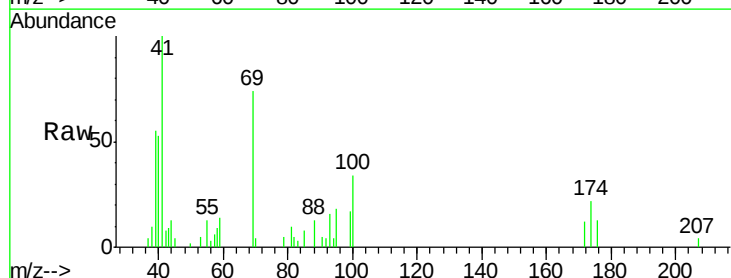
RT: 9.46 min Scan# 1281

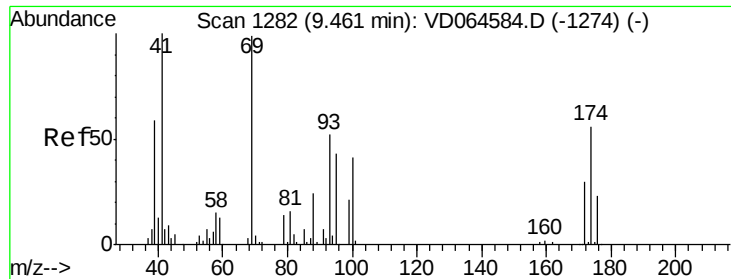
Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	41	Resp:	11594
Ion	Ratio	Lower	Upper
41	100		
69	76.5	63.0	94.6
39	54.7	47.4	71.2





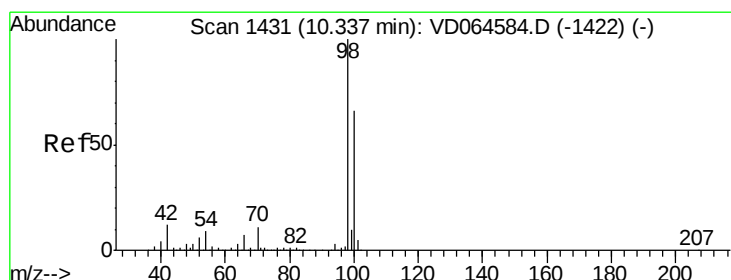
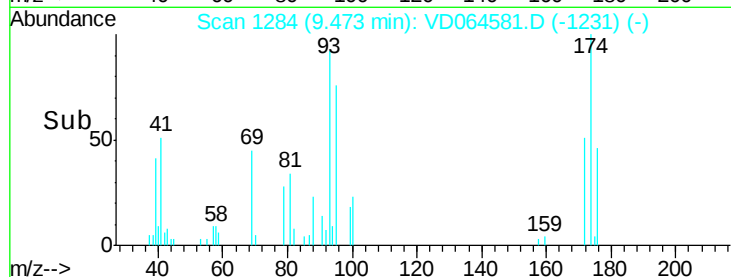
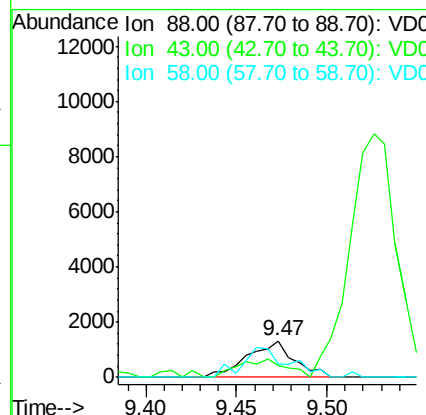
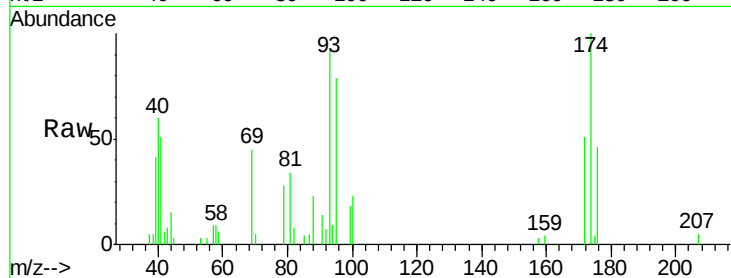
#49
1,4-Dioxane
Concen: 90.645 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	51.1	27.7	41.5#
58	81.6	53.8	80.6#

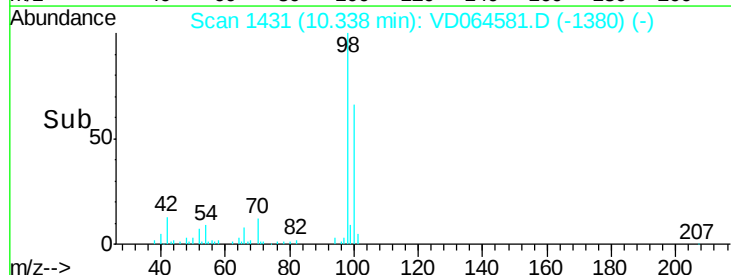
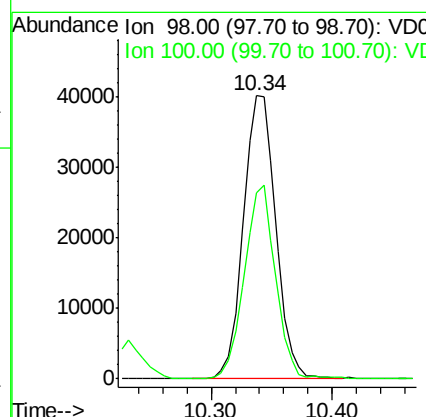
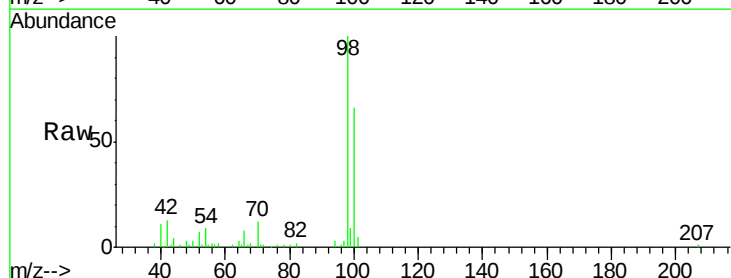
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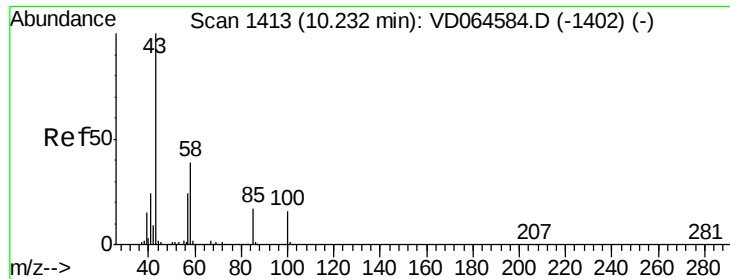
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#50
Toluene-d8
Concen: 5.226 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 24.044 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 56247

Ion Ratio Lower Upper

43 100

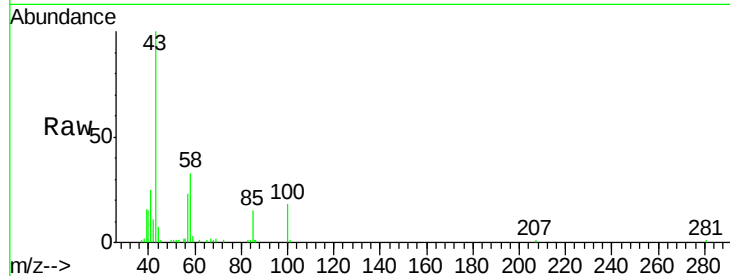
58 36.8 30.2 45.2

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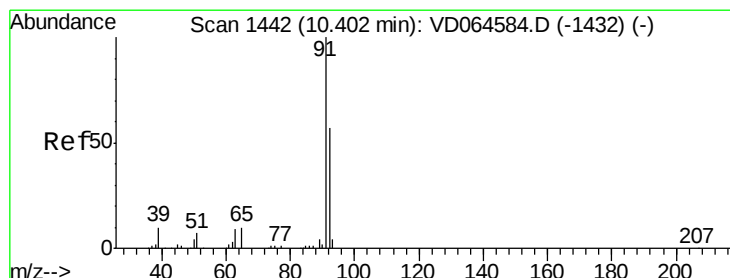
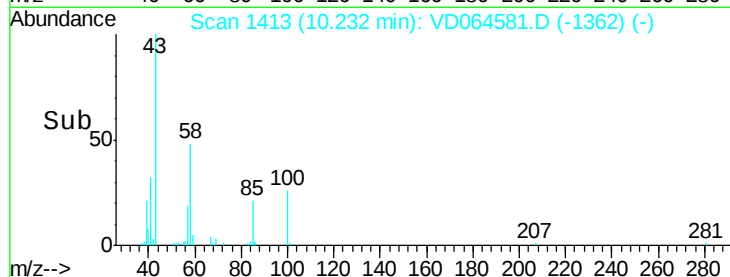
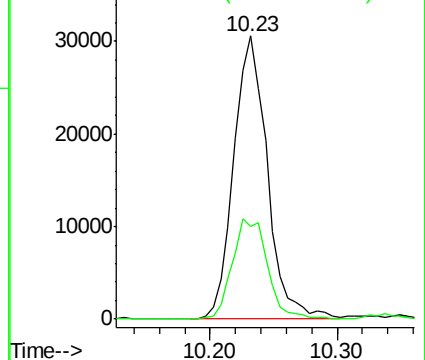
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 5.091 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064581.D

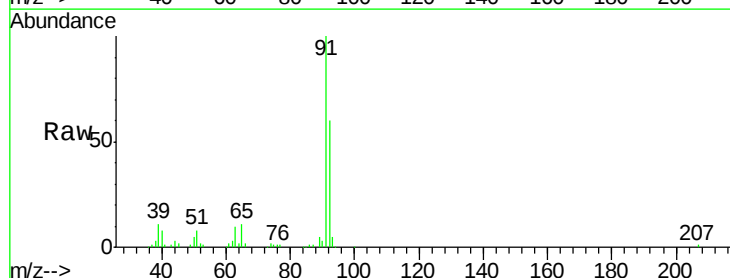
Acq: 24 Dec 2019 10:23

Tgt Ion: 92 Resp: 52724

Ion Ratio Lower Upper

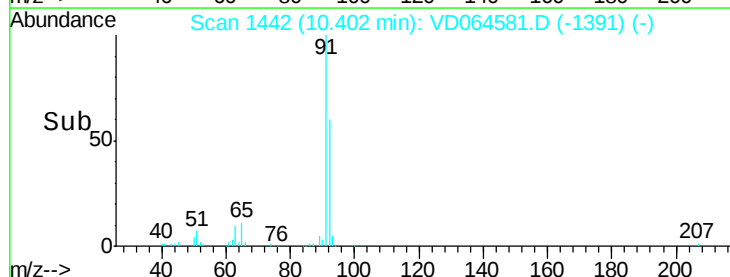
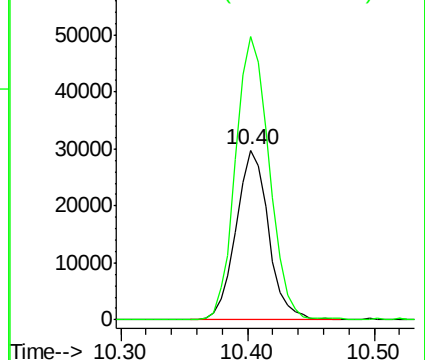
92 100

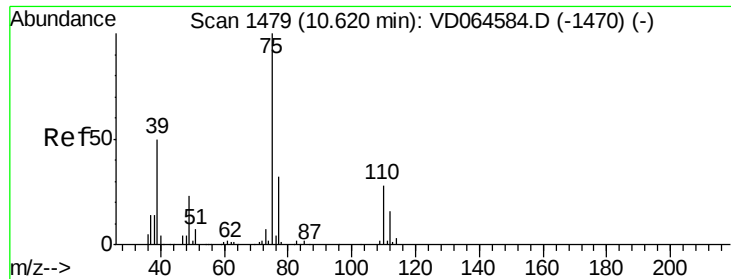
91 173.3 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 4.859 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 25397

Ion Ratio Lower Upper

75 100

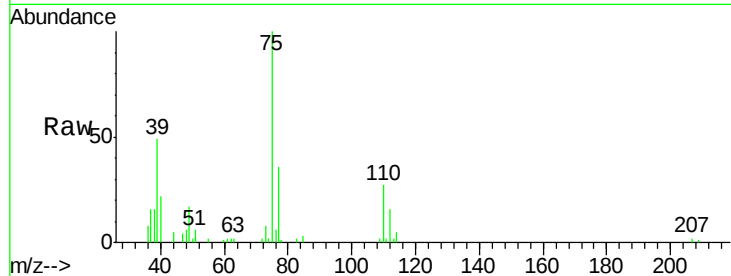
77 36.5 25.4 38.2

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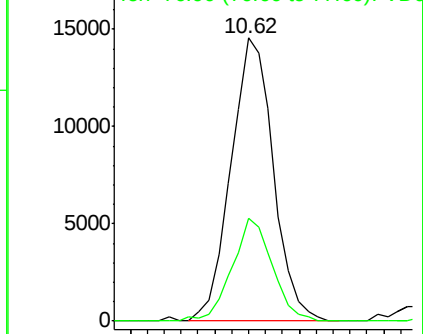
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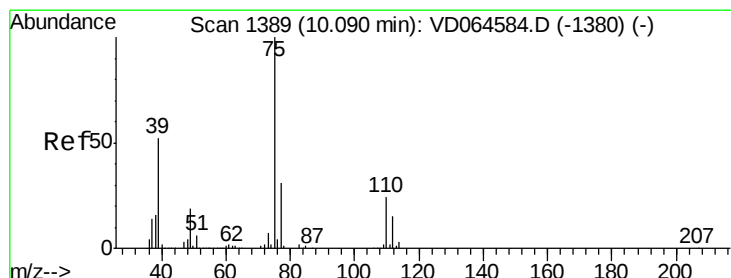
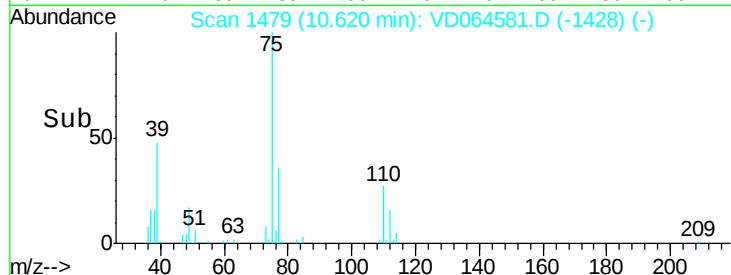


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



Time--> 10.55 10.60 10.65 10.70



#54

cis-1,3-Dichloropropene

Concen: 4.867 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

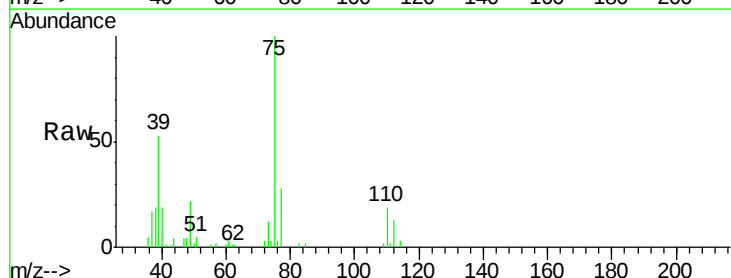
Tgt Ion: 75 Resp: 30227

Ion Ratio Lower Upper

75 100

77 28.4 24.6 36.8

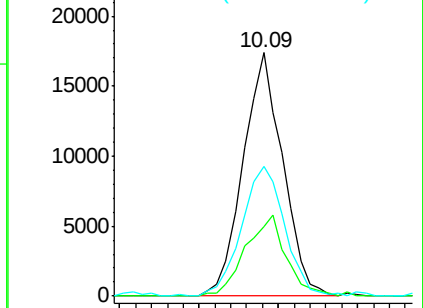
39 53.3 41.4 62.2



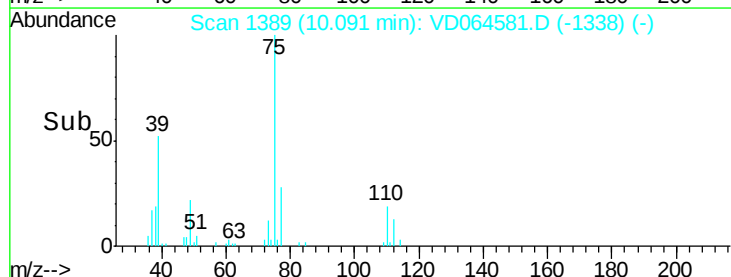
Abundance Ion 74.90 (74.60 to 75.60): VDC

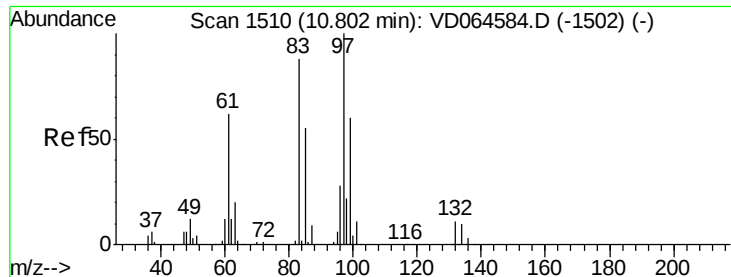
Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC



Time--> 10.00 10.05 10.10 10.15





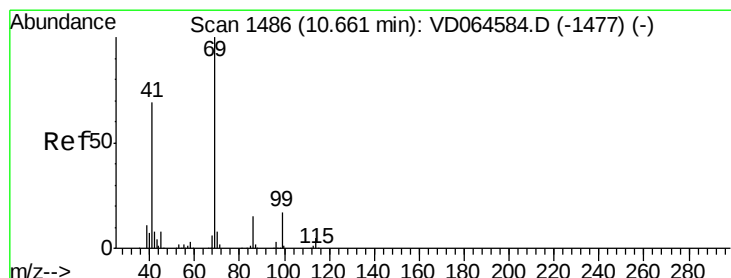
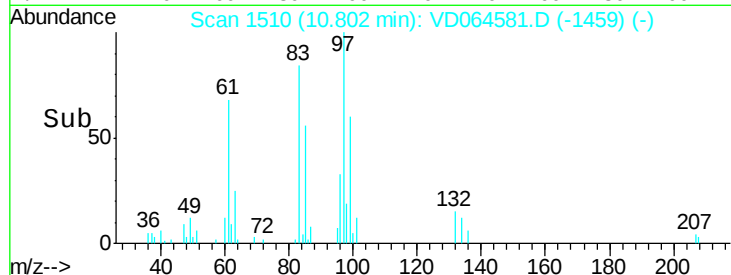
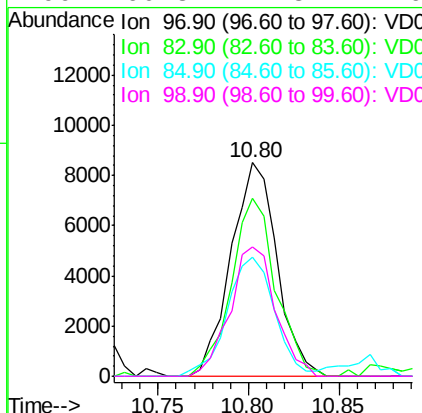
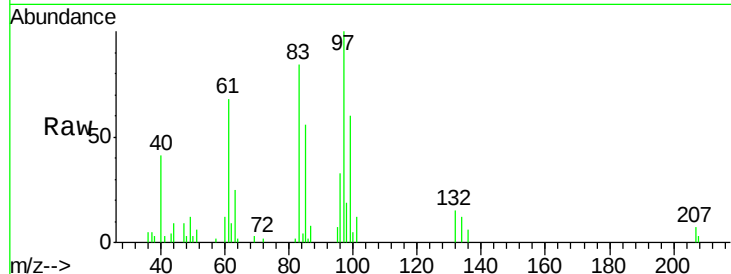
#55
 1,1,2-Trichloroethane
 Concen: 5.169 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	15080
Ion	Ratio	Lower	Upper
97	100		
83	83.6	70.2	105.4
85	53.1	44.0	66.0
99	60.3	47.8	71.6

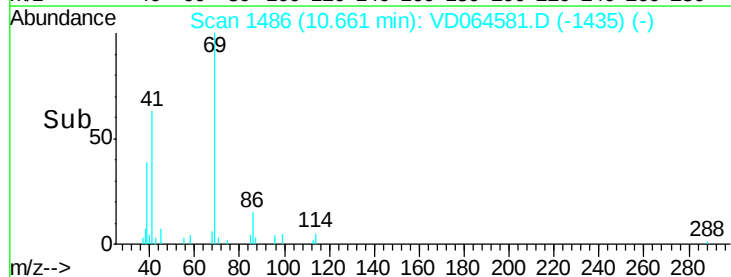
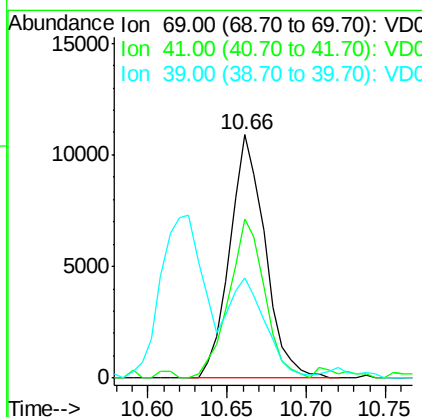
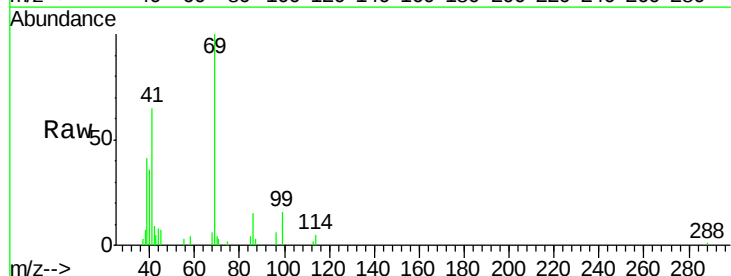
Manual Integrations
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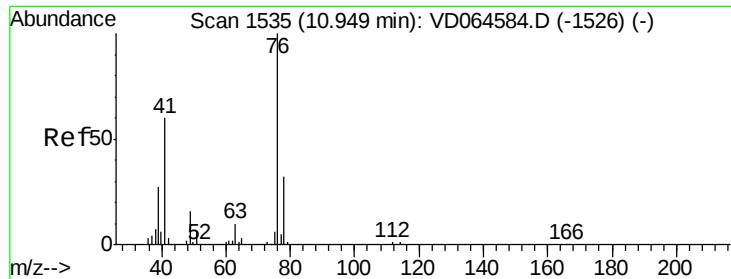
apatel
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#56
 Ethyl methacrylate
 Concen: 4.539 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion:	69	Resp:	16815
Ion	Ratio	Lower	Upper
69	100		
41	66.1	55.3	82.9
39	43.5	33.8	50.8





#57

1,3-Dichloropropane

Concen: 5.113 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 25438

Ion Ratio Lower Upper

76 100

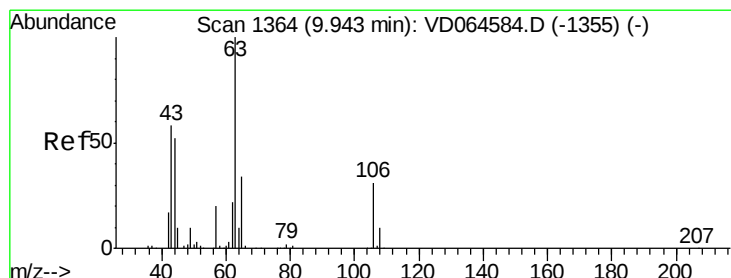
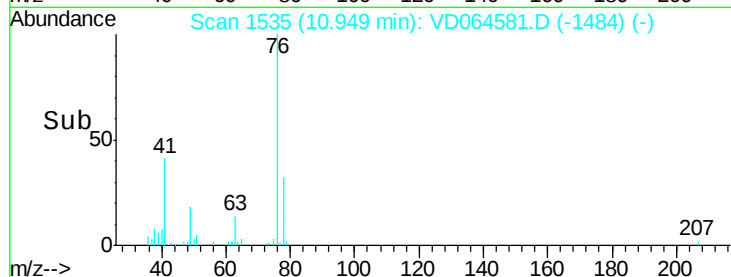
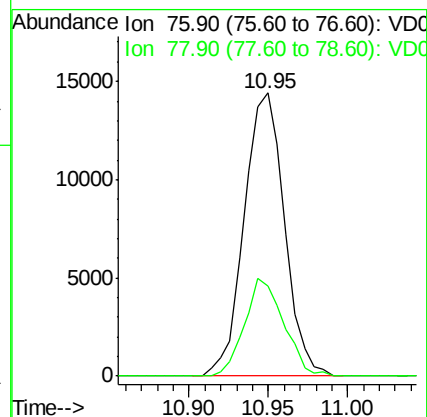
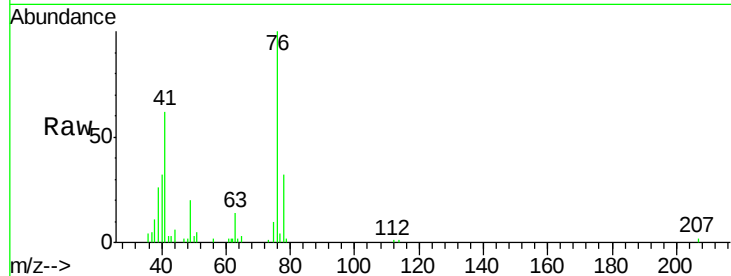
78 33.6 26.2 39.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 25.752 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064581.D

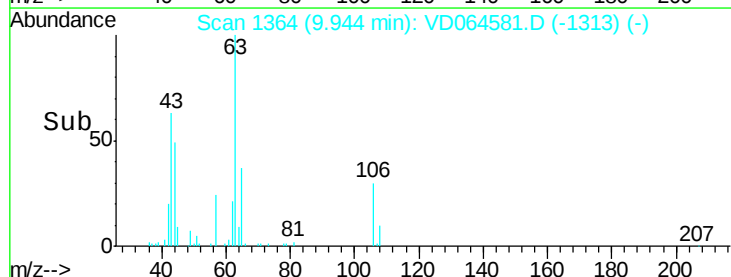
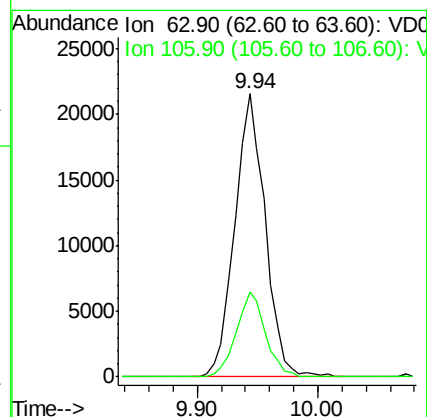
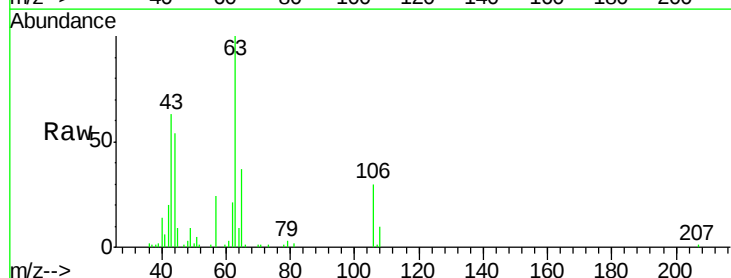
Acq: 24 Dec 2019 10:23

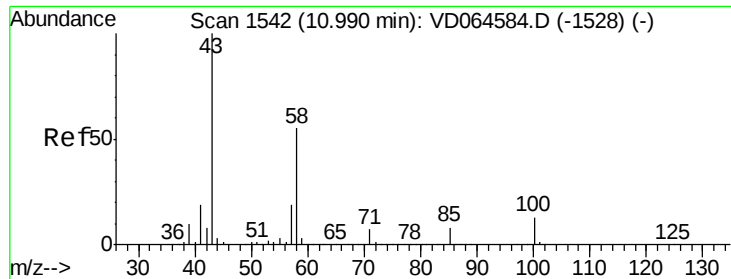
Tgt Ion: 63 Resp: 37839

Ion Ratio Lower Upper

63 100

106 28.7 23.8 35.8





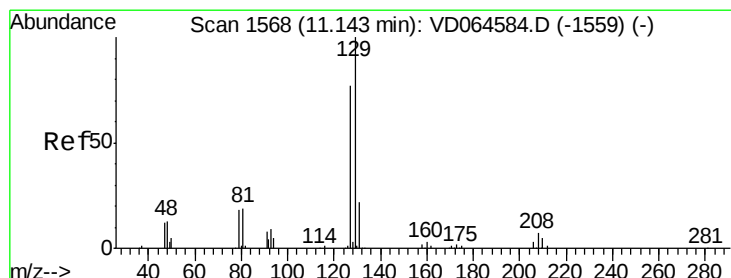
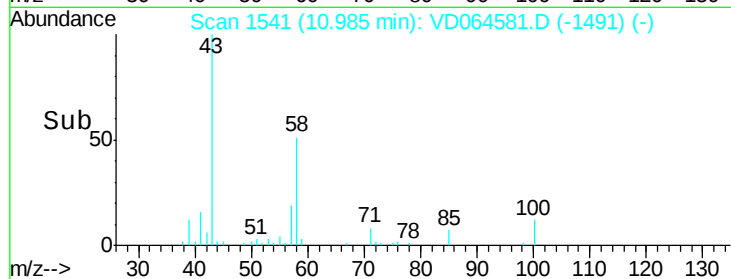
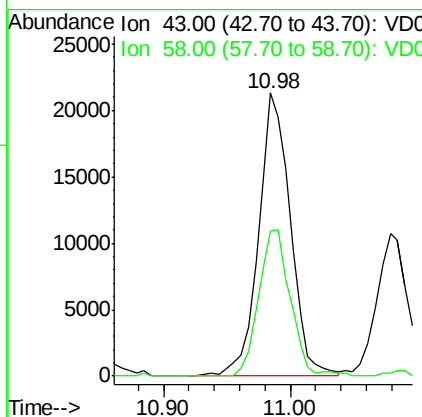
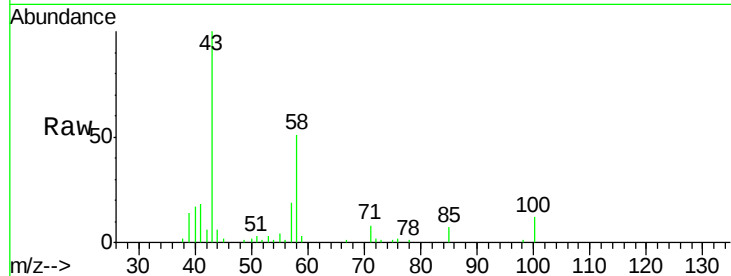
#59
2-Hexanone
Concen: 22.957 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 37265
Ion Ratio Lower Upper
43 100
58 51.5 26.4 79.0

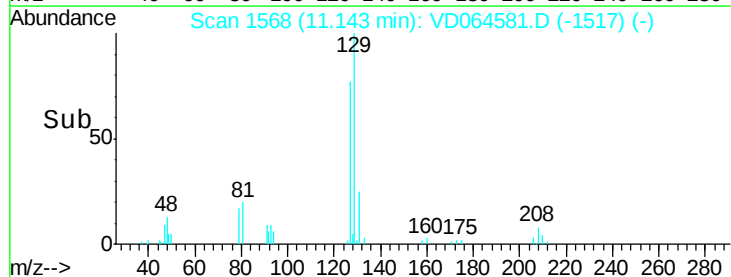
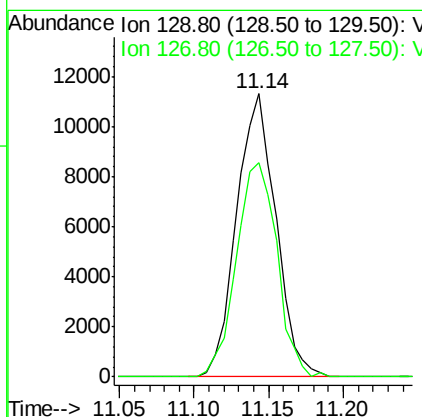
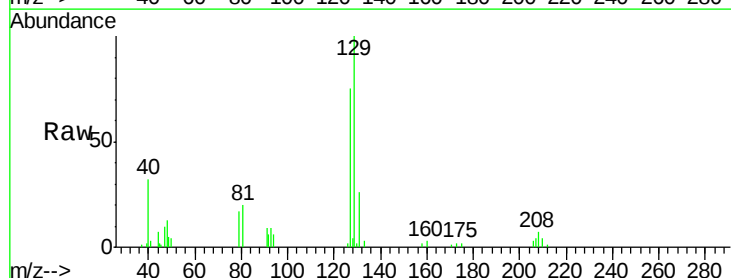
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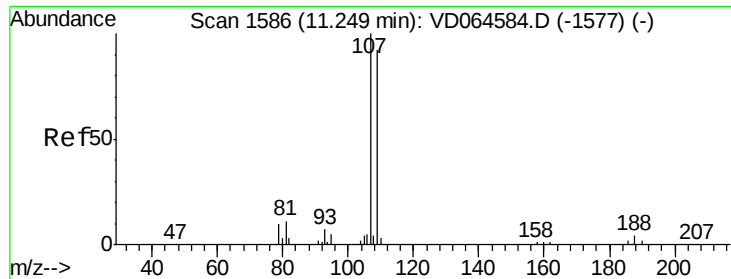
apatel
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#60
Dibromochloromethane
Concen: 5.219 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 129 Resp: 20693
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.2





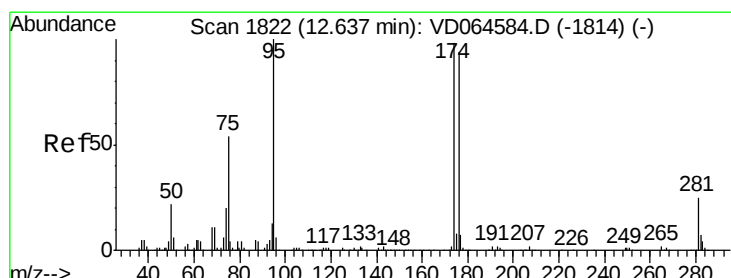
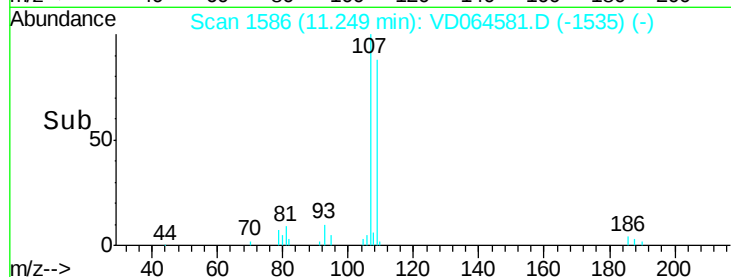
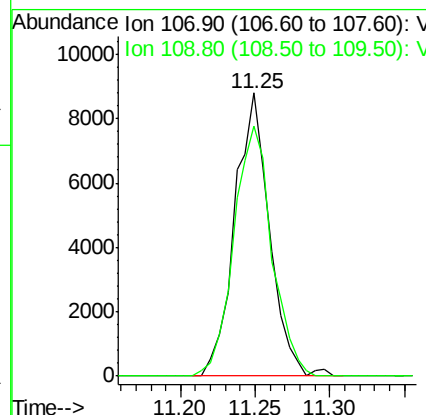
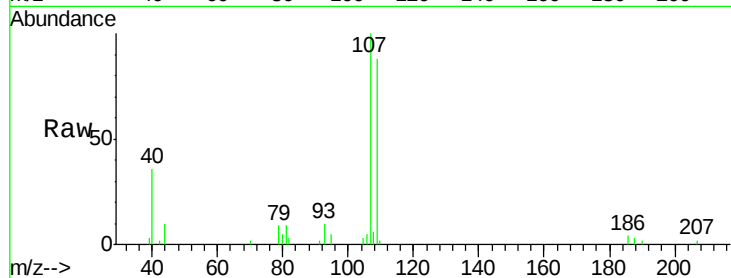
#61
1,2-Dibromoethane
Concen: 4.907 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 107 Resp: 14280
Ion Ratio Lower Upper
107 100
109 96.7 75.6 113.4

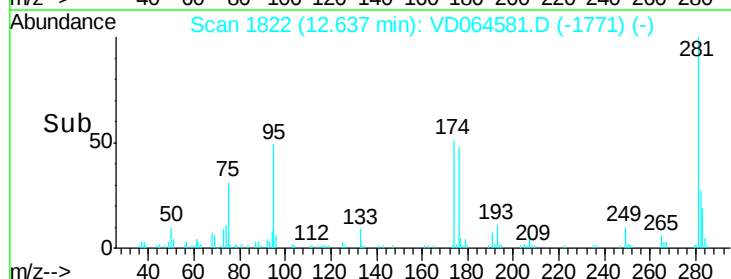
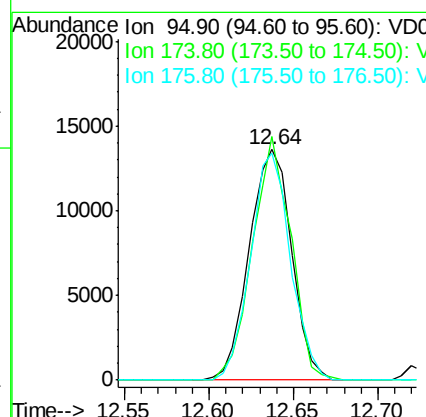
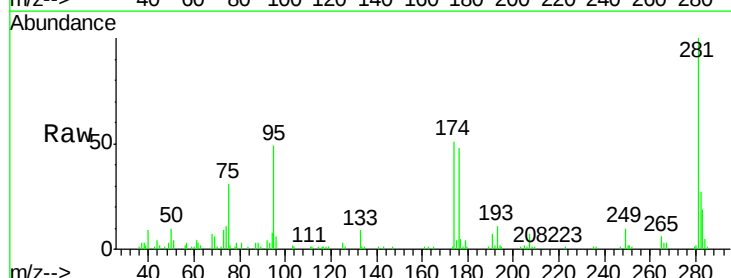
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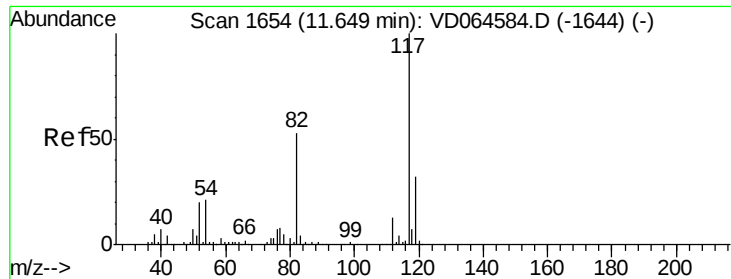
apatel
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#62
4-Bromofluorobenzene
Concen: 5.127 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion: 95 Resp: 23781
Ion Ratio Lower Upper
95 100
174 95.3 0.0 193.2
176 93.1 0.0 184.2





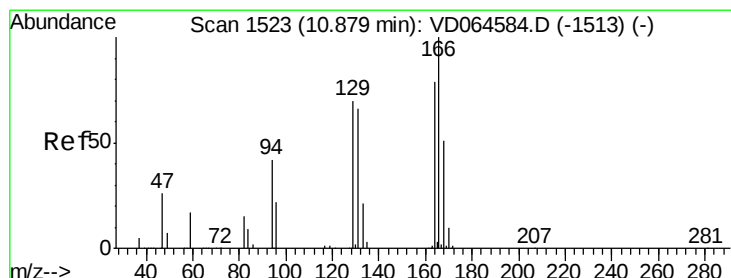
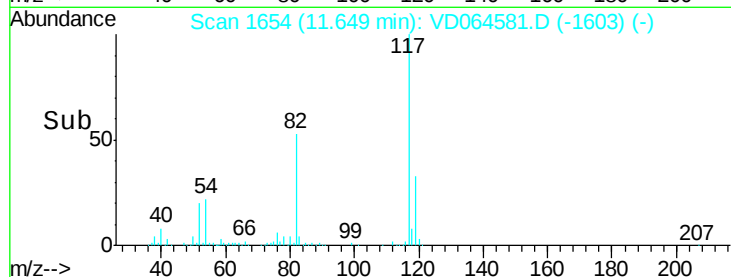
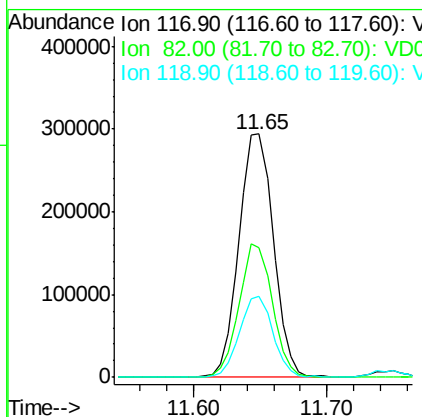
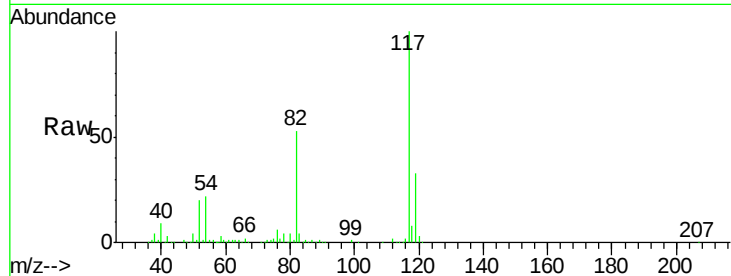
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	528900		
82	53.2		42.2	63.4
119	33.1		26.0	39.0

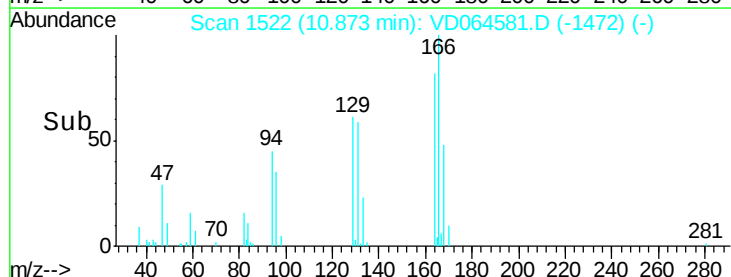
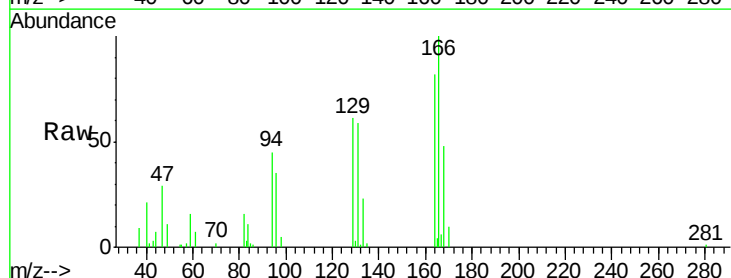
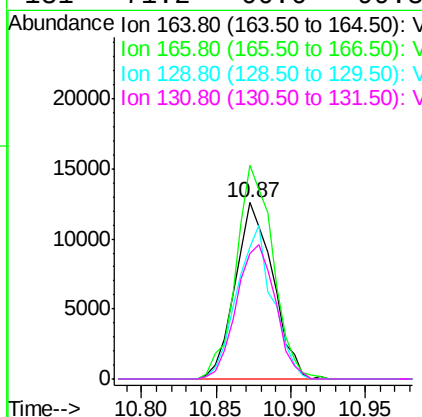
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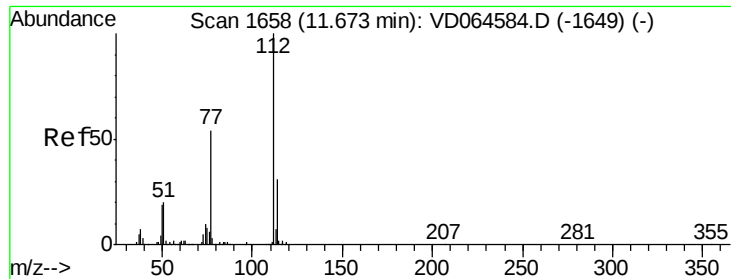
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#64
Tetrachloroethene
Concen: 5.483 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	22103		
166	121.2		101.3	151.9
129	74.5		70.5	105.7
131	71.2		66.6	99.8





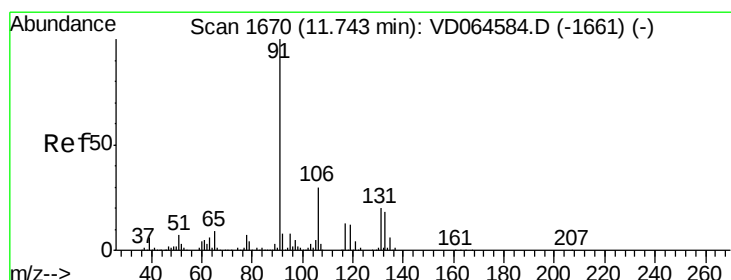
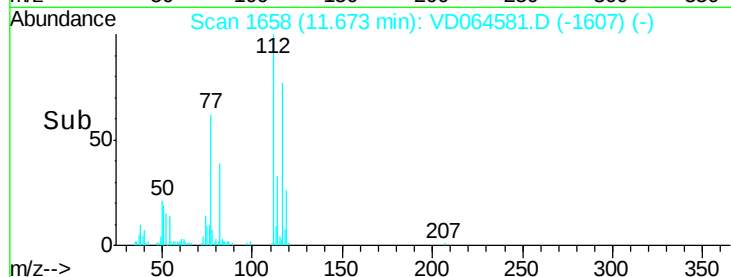
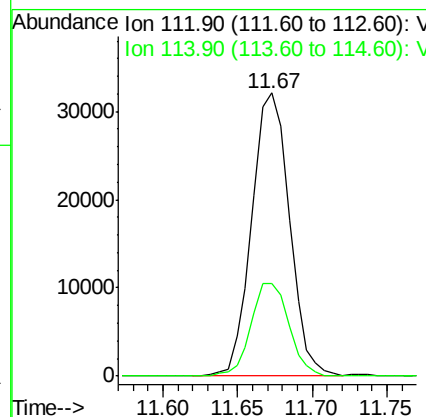
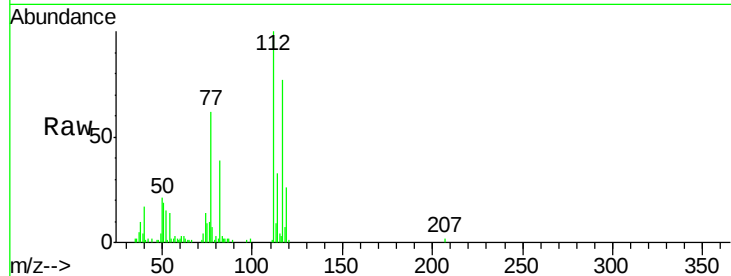
#65
Chlorobenzene
Concen: 5.064 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	24.8	37.2

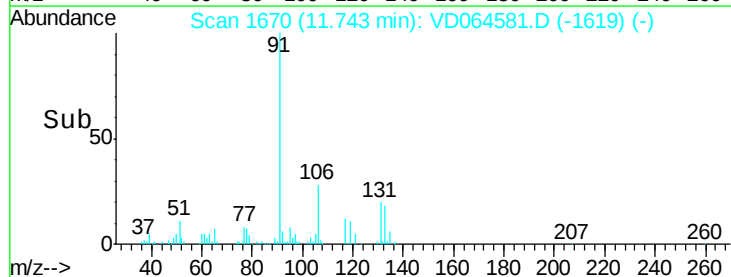
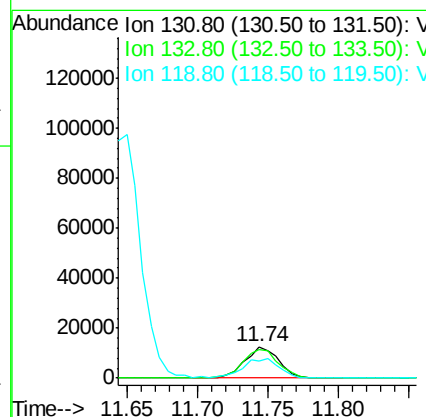
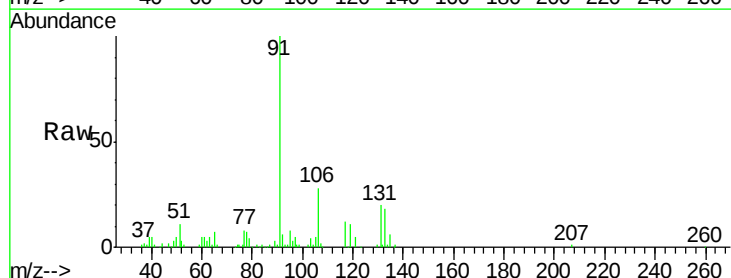
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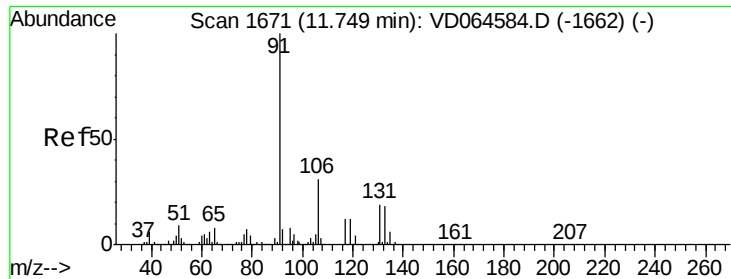
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.203 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.3	144.8
119	67.0	32.1	96.3





#67

Ethyl Benzene

Concen: 5.168 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 102041

Ion Ratio Lower Upper

91 100

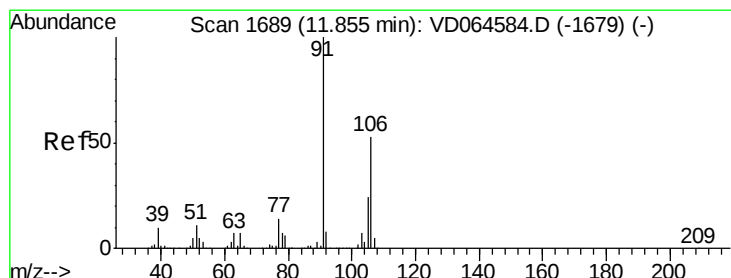
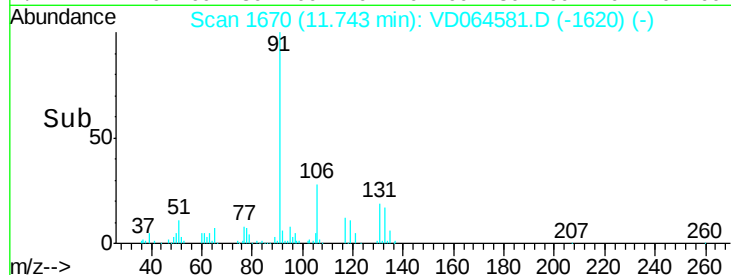
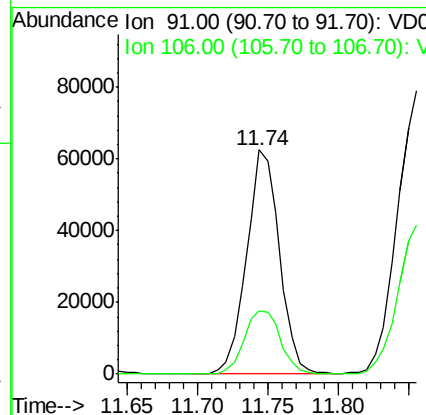
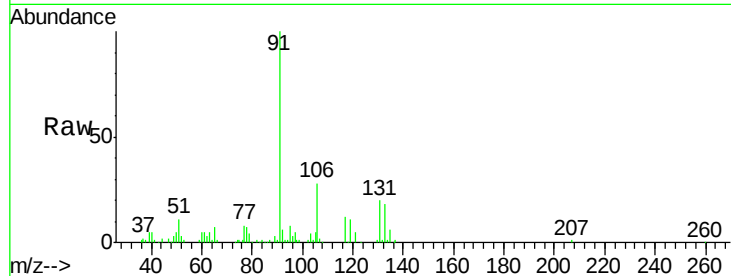
106 28.4 24.6 36.8

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#68

m/p-Xylenes

Concen: 10.330 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064581.D

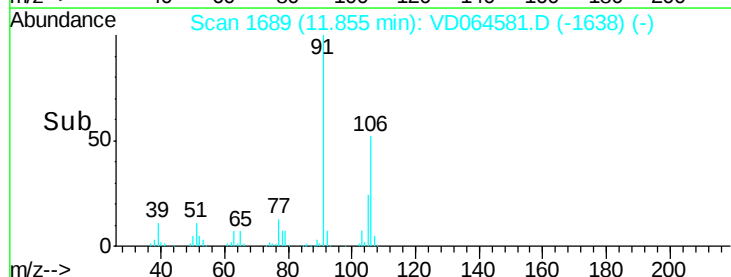
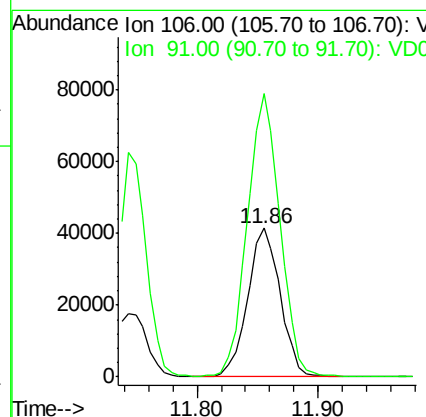
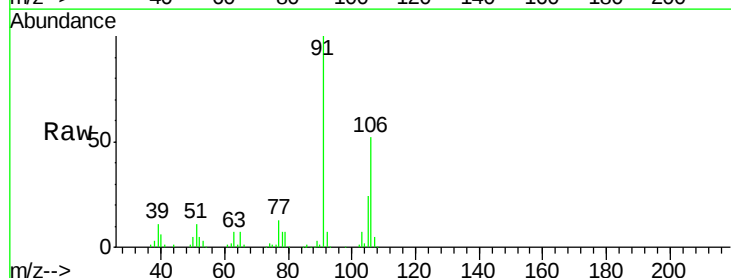
Acq: 24 Dec 2019 10:23

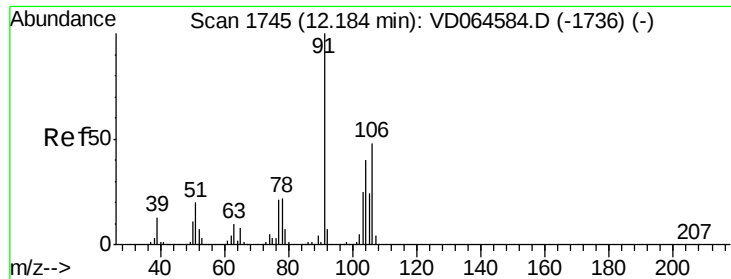
Tgt Ion: 106 Resp: 77983

Ion Ratio Lower Upper

106 100

91 191.3 156.3 234.5





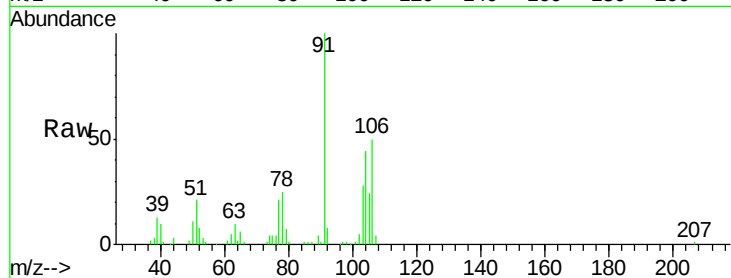
#69
o-Xylene
Concen: 5.076 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

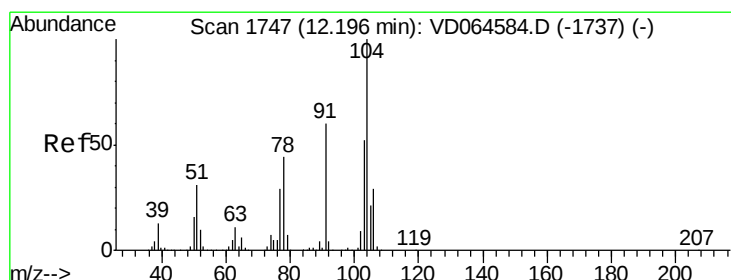
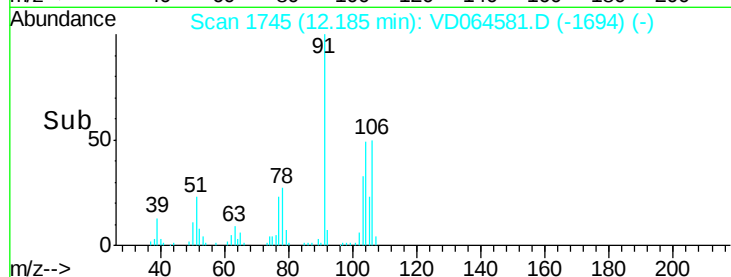
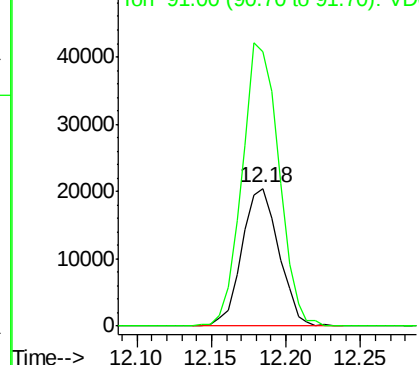
Tot Ion:106 Resp: 35217
Ion Ratio Lower Upper
106 100
91 204.1 104.8 314.4

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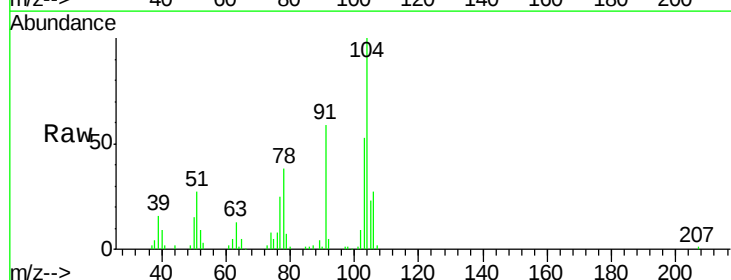


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

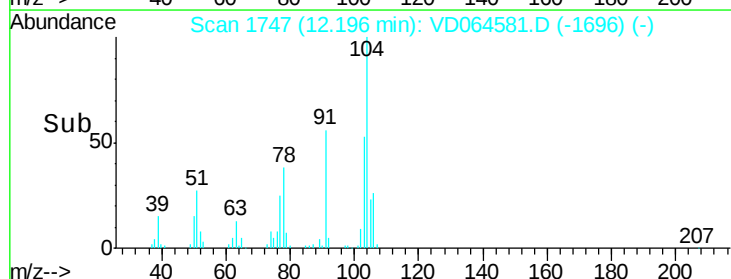
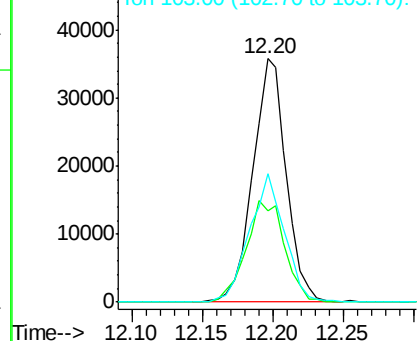


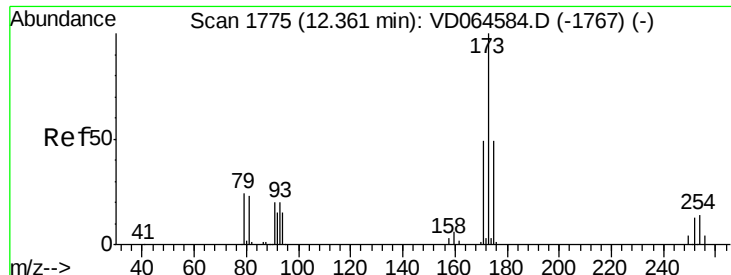
#70
Styrene
Concen: 4.908 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion:104 Resp: 59289
Ion Ratio Lower Upper
104 100
78 48.1 38.2 57.2
103 55.3 44.6 67.0



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





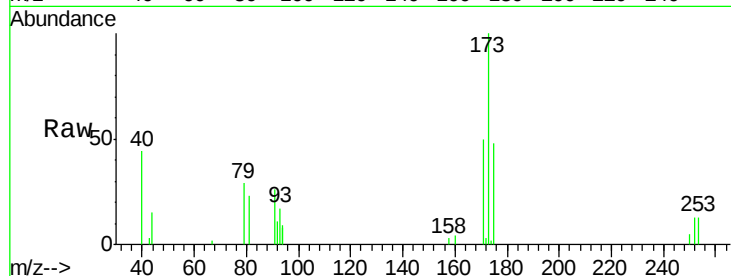
#71
Bromoform
Concen: 4.975 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	58.1	24.6	73.8
254	0.0	0.1	0.1#

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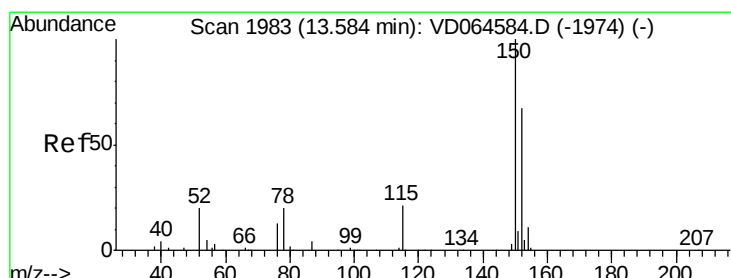
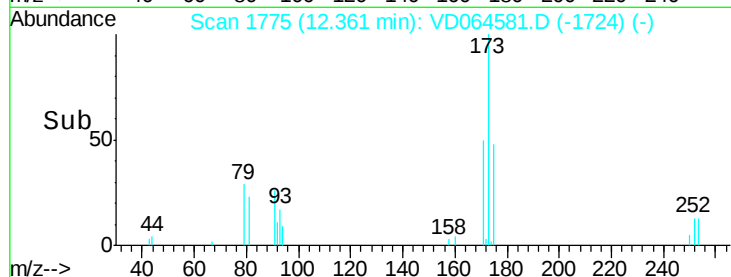
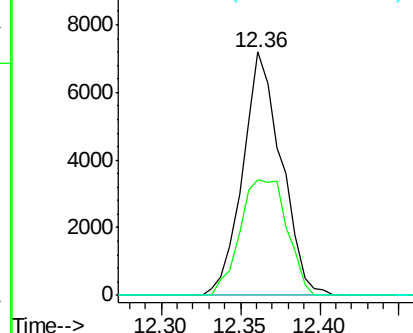


Abundance

Ion 172.70 (172.40 to 173.40): V

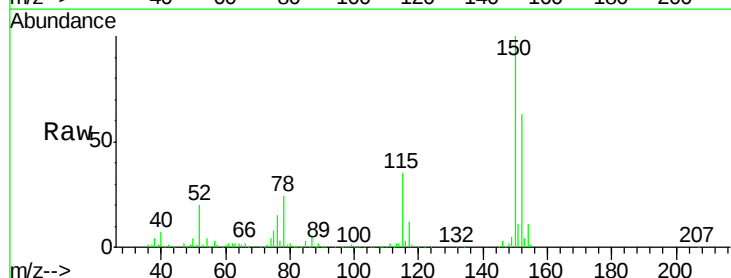
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	158.5	0.0	351.4

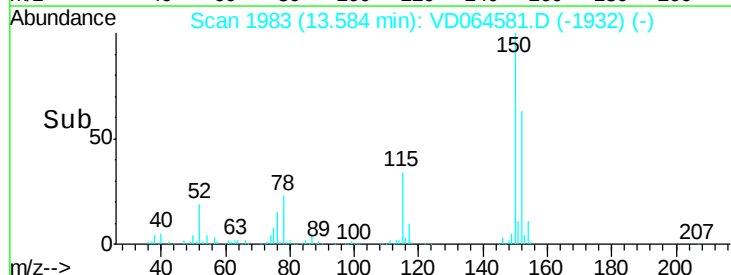
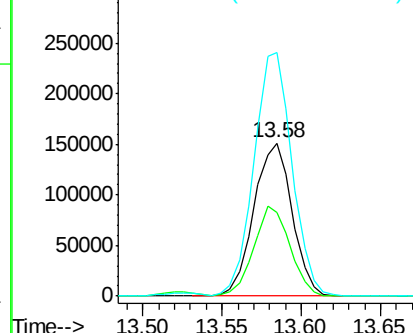


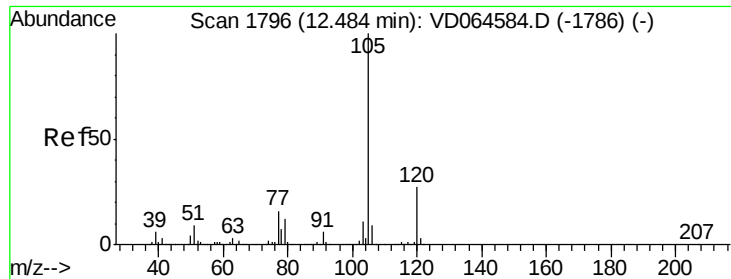
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.125 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 93886

Ion Ratio Lower Upper

105 100

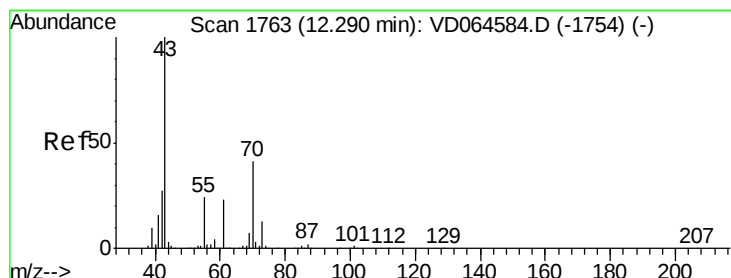
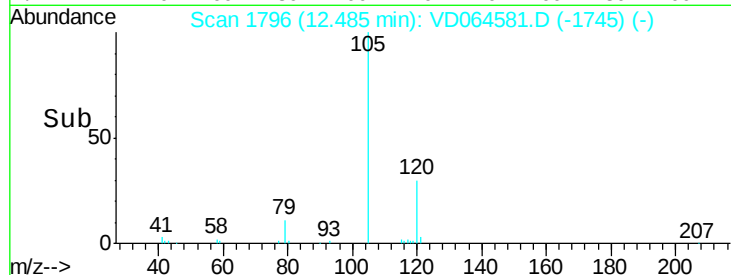
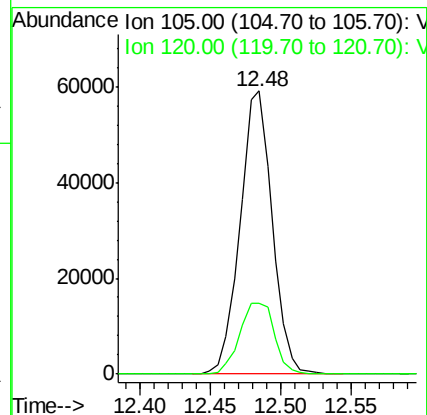
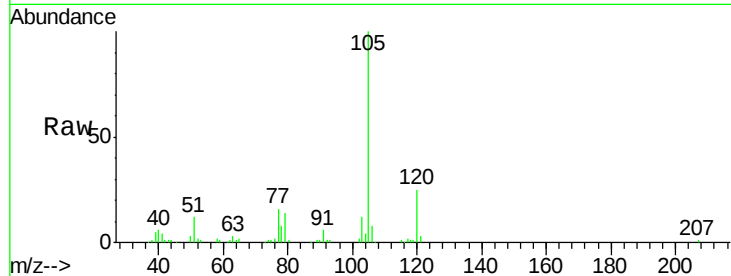
120 27.2 13.5 40.5

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#74

N-ethyl acetate

Concen: 4.596 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Tgt Ion: 43 Resp: 18885

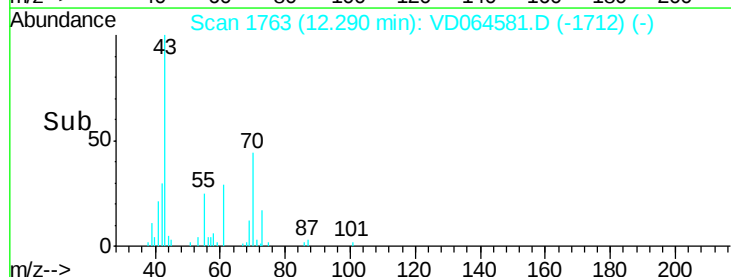
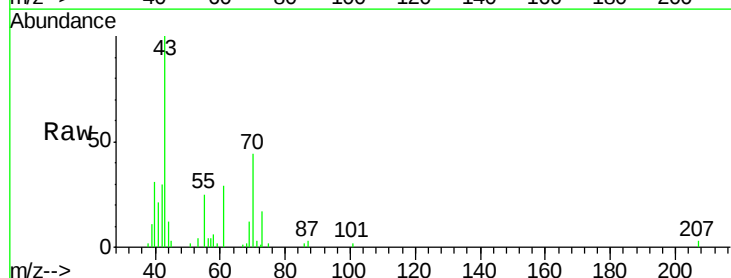
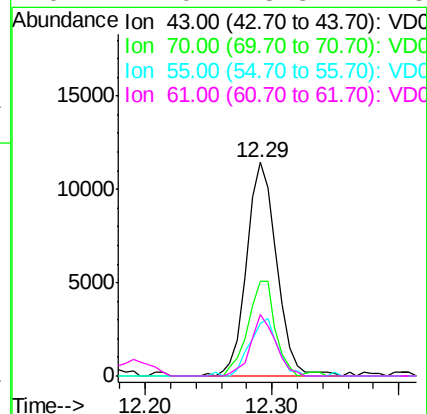
Ion Ratio Lower Upper

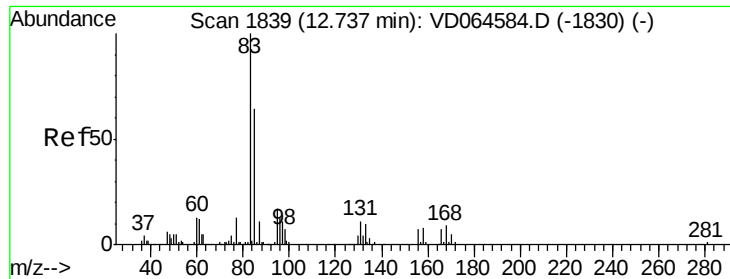
43 100

70 40.7 33.4 50.0

55 24.7 19.4 29.0

61 24.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.177 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

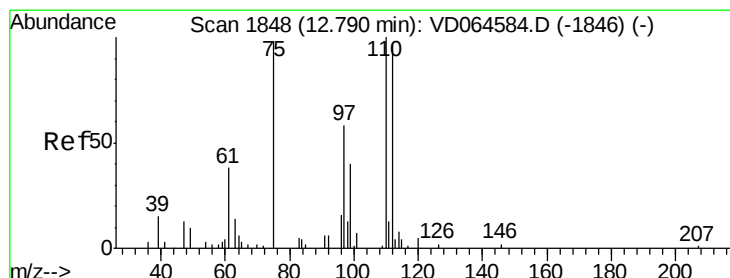
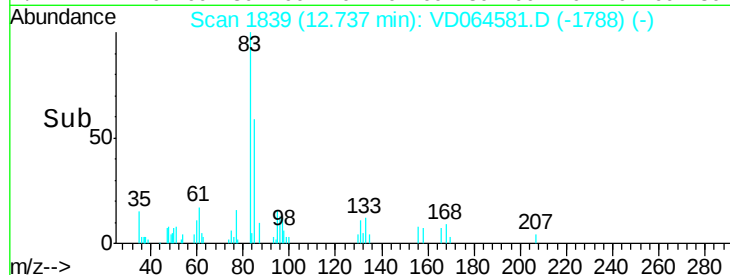
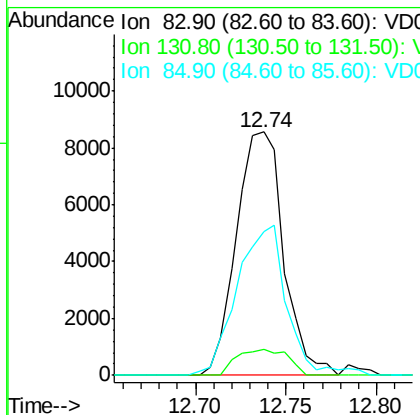
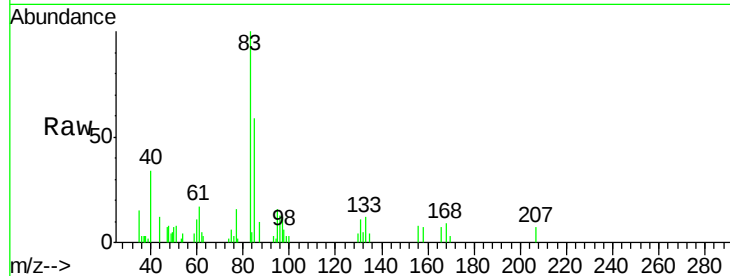
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	15500
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	65.2	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 5.663 ug/l m

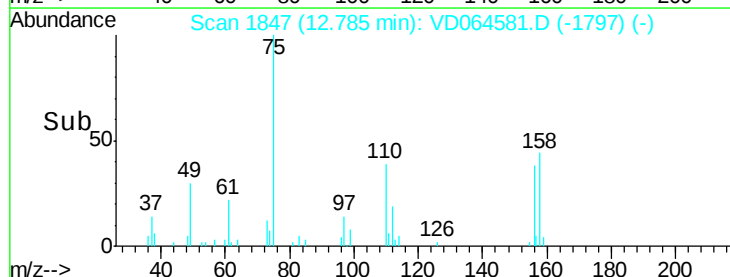
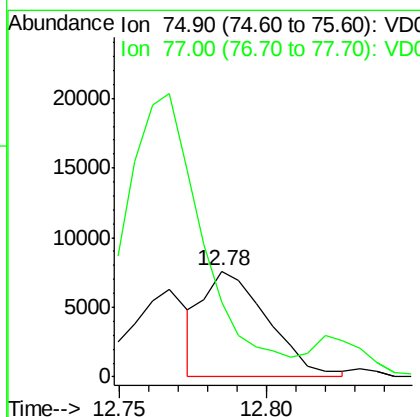
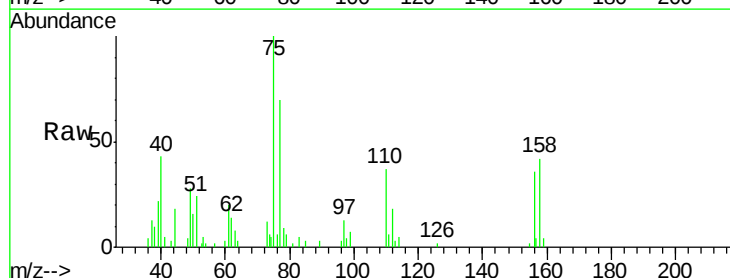
RT: 12.78 min Scan# 1847

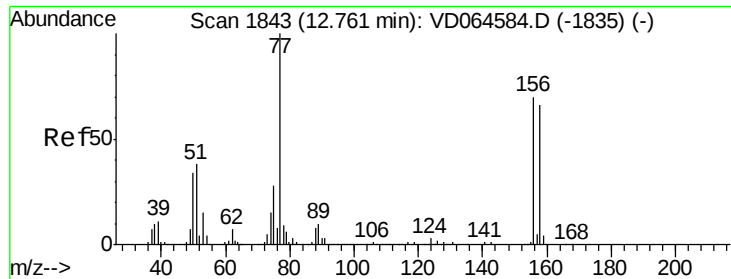
Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	75	Resp:	11592
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.109 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 23008

Ion Ratio Lower Upper

156 100

77 163.7 80.9 242.7

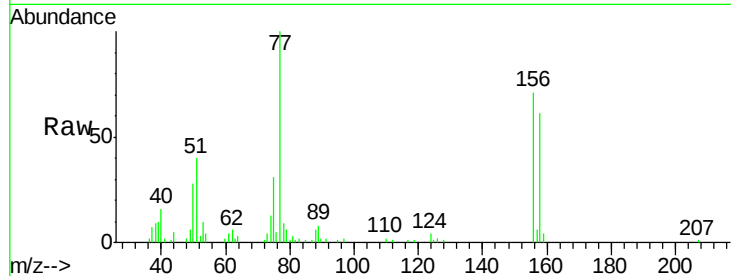
158 97.3 48.0 144.2

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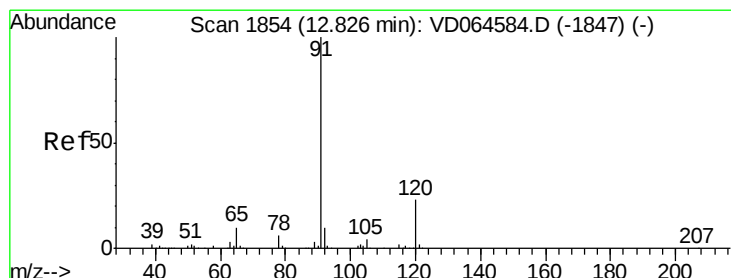
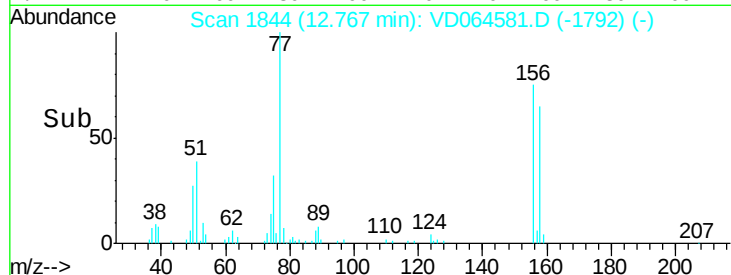
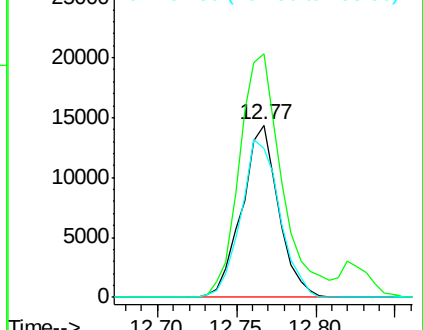
12/26/2019 11:13:40 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.122 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064581.D

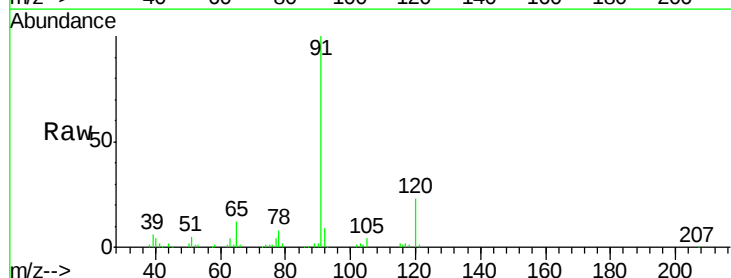
Acq: 24 Dec 2019 10:23

Tgt Ion: 91 Resp: 108337

Ion Ratio Lower Upper

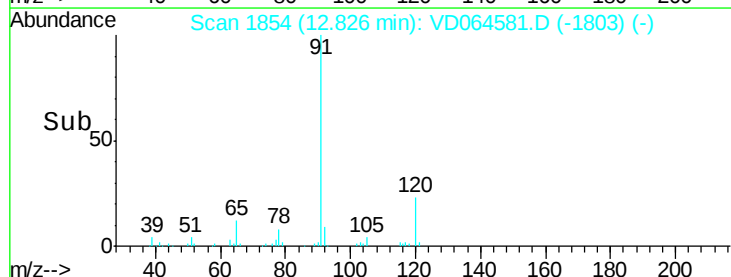
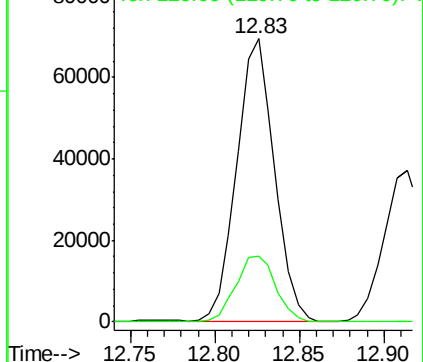
91 100

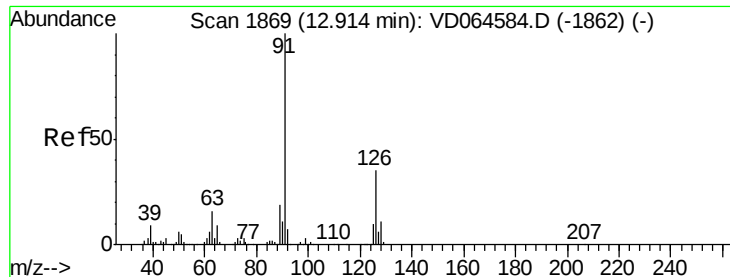
120 24.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.381 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 62513

Ion Ratio Lower Upper

91 100

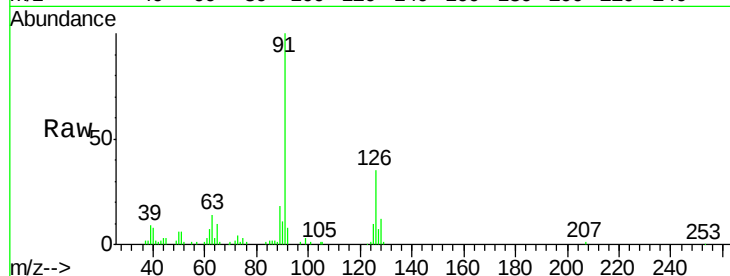
126 35.0 17.8 53.5

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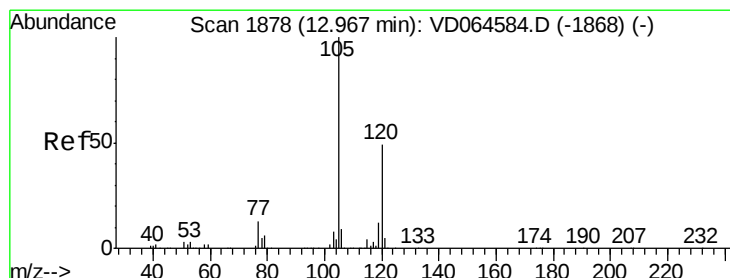
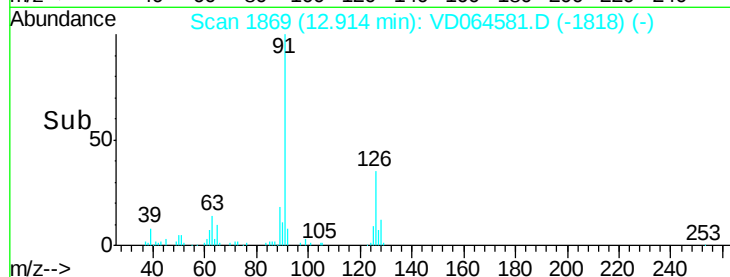


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V

12.91

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.037 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064581.D

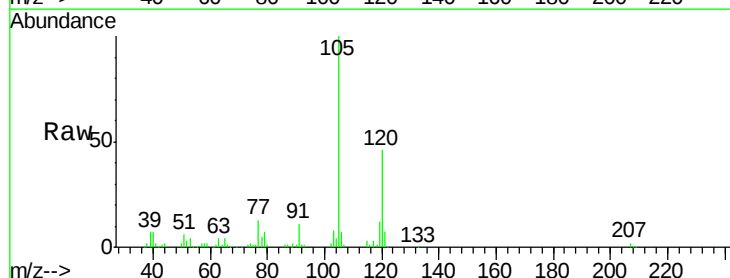
Acq: 24 Dec 2019 10:23

Tgt Ion:105 Resp: 75407

Ion Ratio Lower Upper

105 100

120 50.3 25.0 75.0

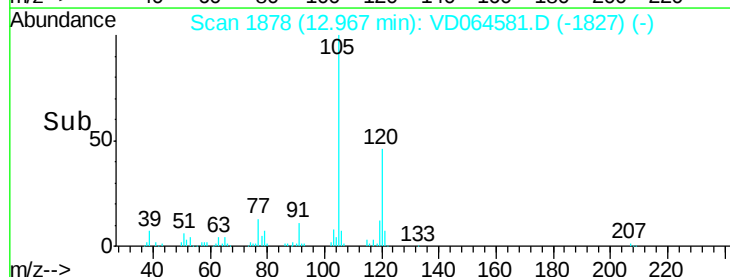


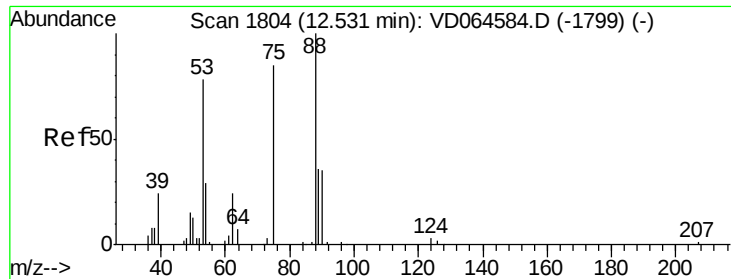
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.97

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 5.483 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

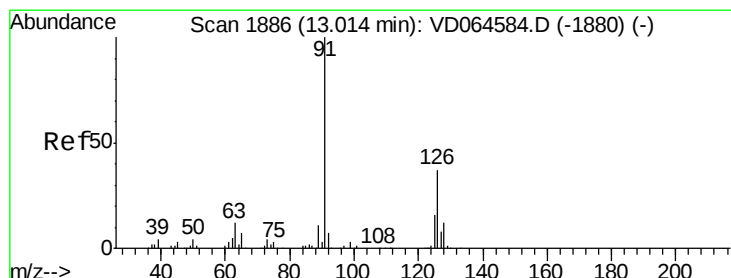
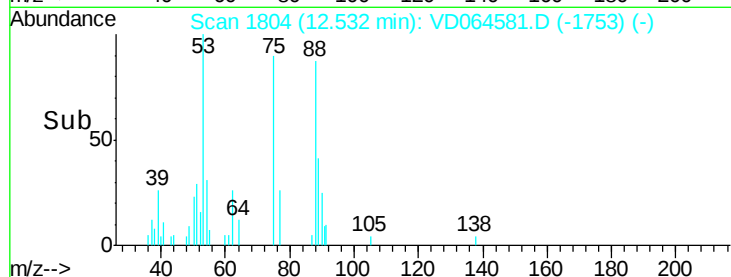
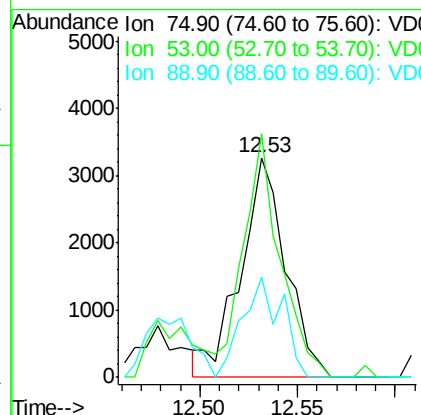
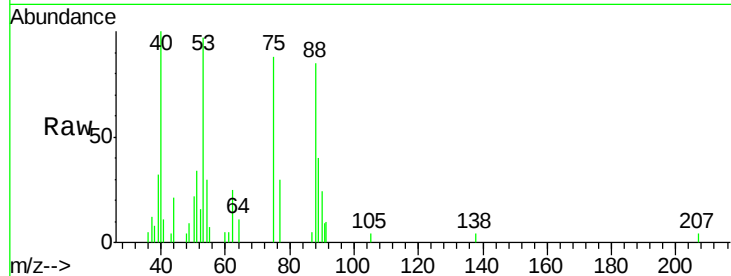
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	5250
Ion	Ratio	Lower	Upper
75	100		
53	89.5	78.8	118.2
89	40.1	38.3	57.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.310 ug/l

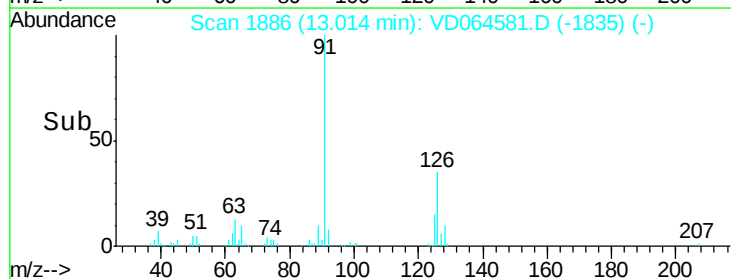
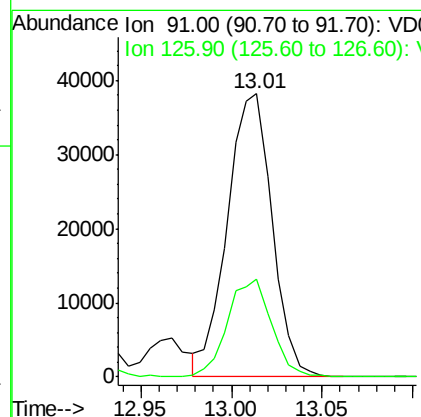
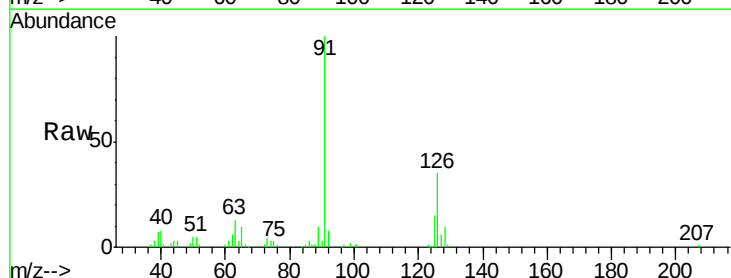
RT: 13.01 min Scan# 1886

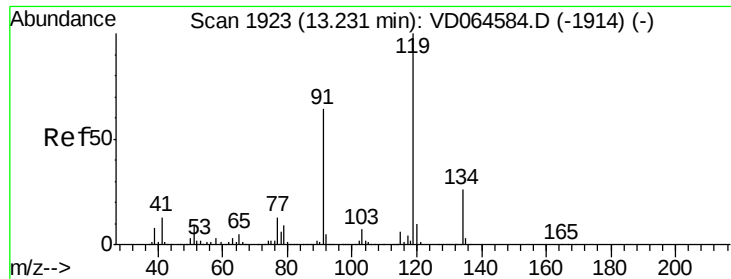
Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	91	Resp:	65418
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.8	53.5





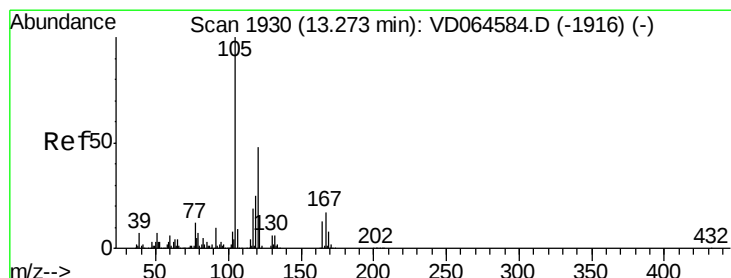
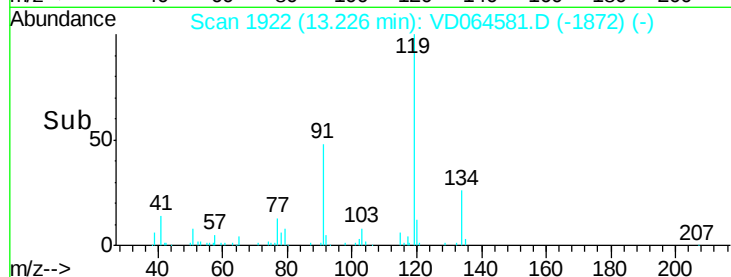
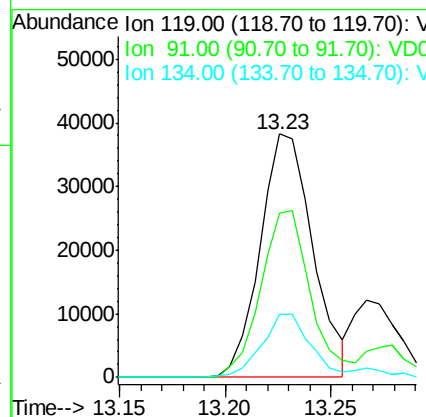
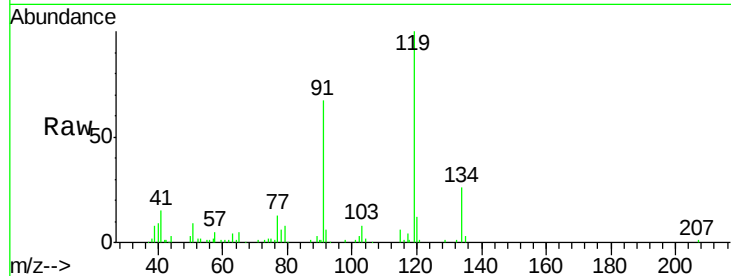
#83
tert-Butylbenzene
Concen: 5.091 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	30.8	92.4
134	23.7	12.8	38.3

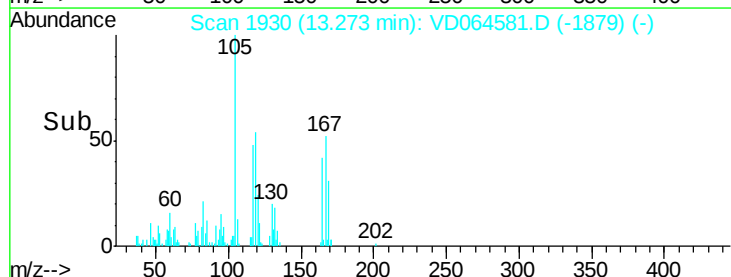
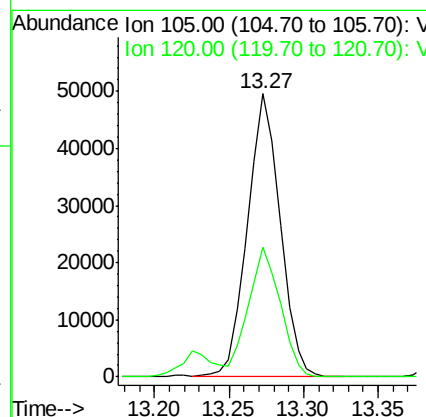
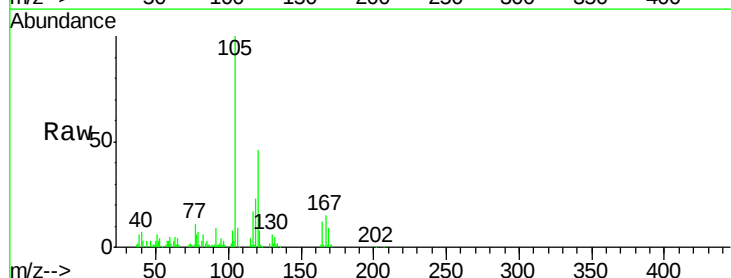
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 5.001 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	23.8	71.2





#85

sec-Butylbenzene

Concen: 5.032 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 89810

Ion Ratio Lower Upper

105 100

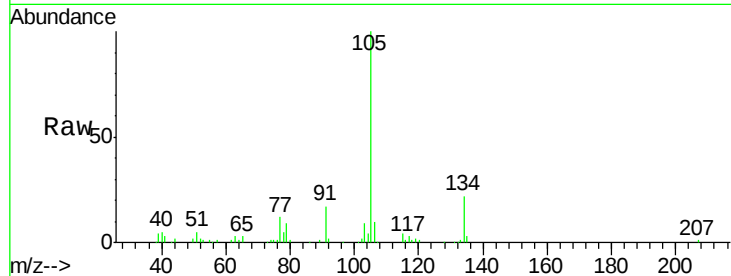
134 22.6 10.6 31.8

Manual Integrations

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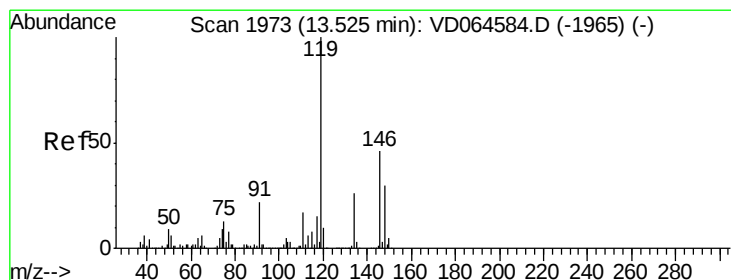
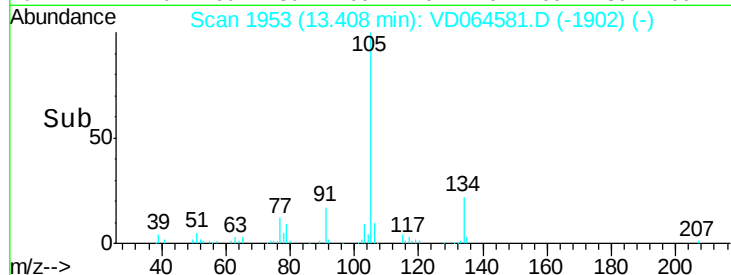
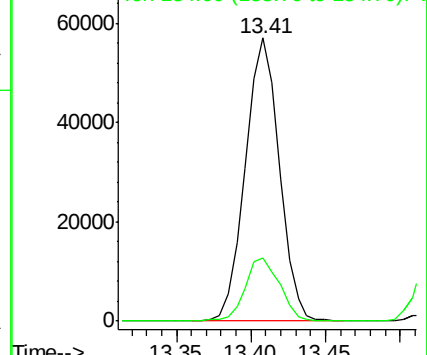
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.038 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

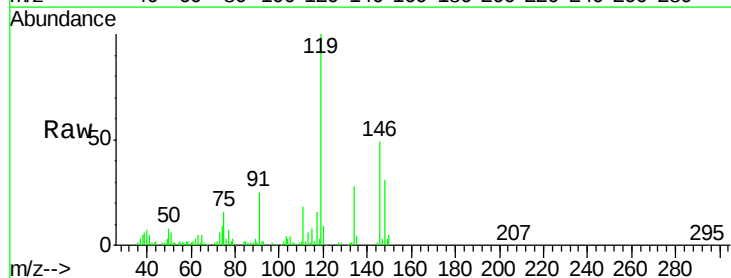
Tgt Ion:119 Resp: 85245

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

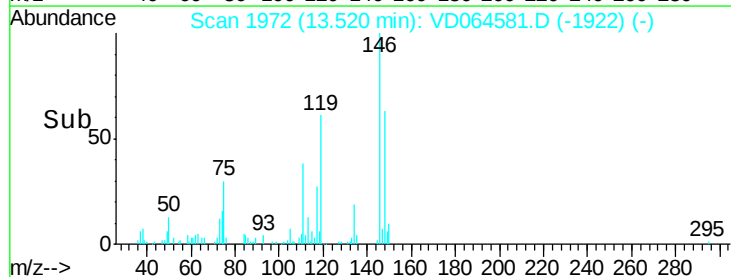
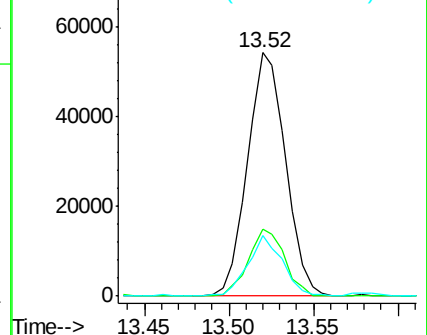
91 22.7 11.2 33.6

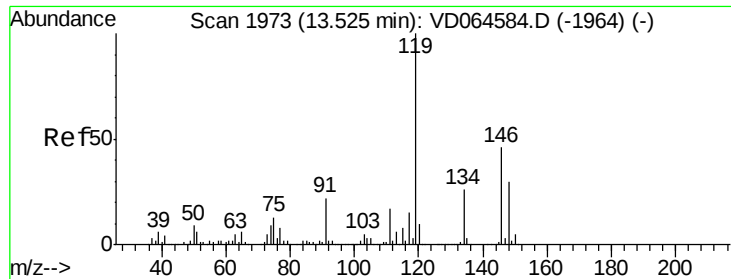


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 5.304 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064581.D

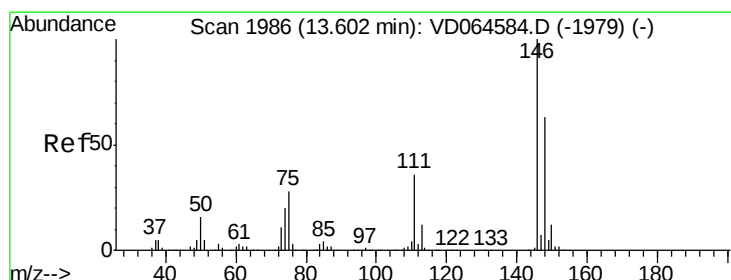
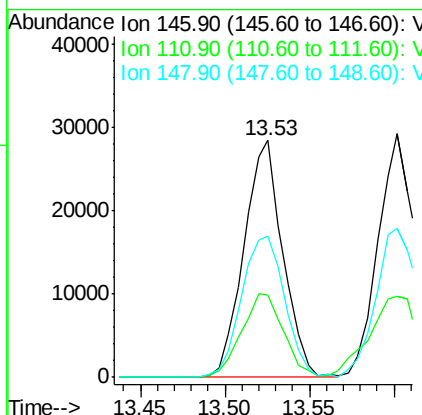
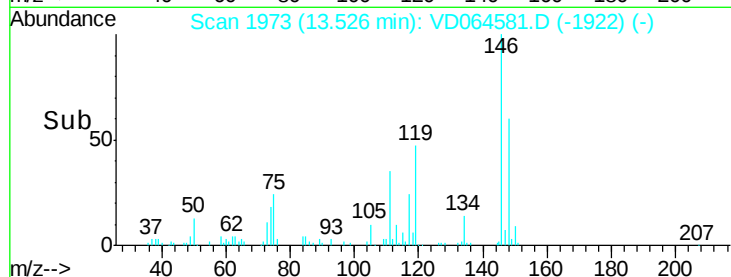
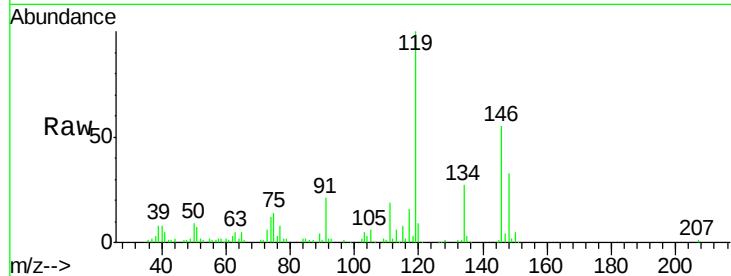
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	66.3	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 5.385 ug/l

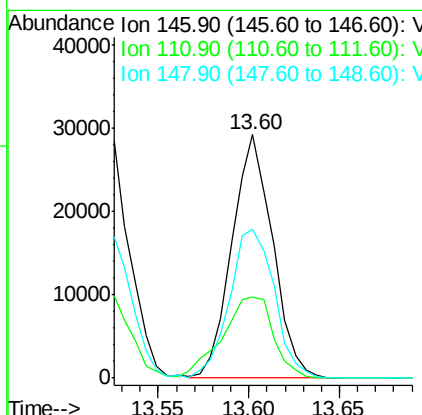
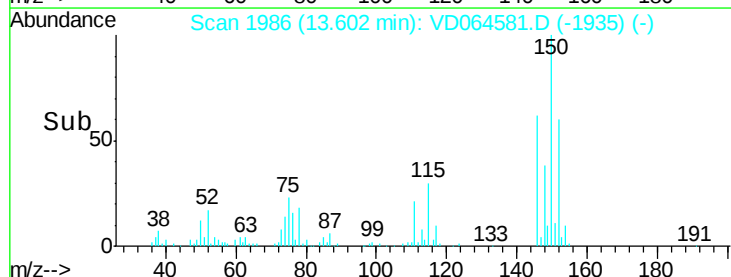
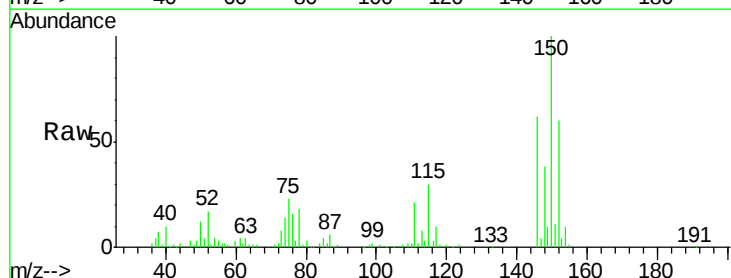
RT: 13.60 min Scan# 1986

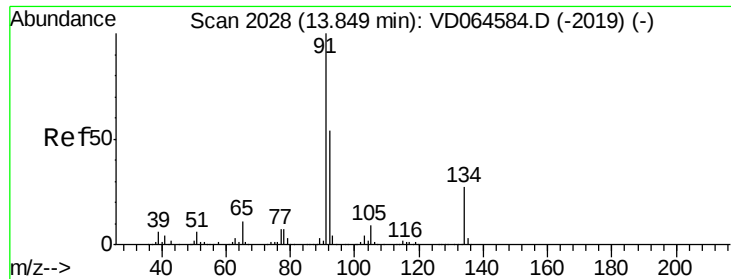
Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.1	54.1
148	67.6	32.3	96.9





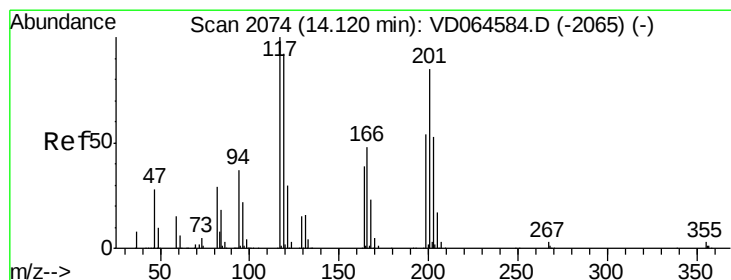
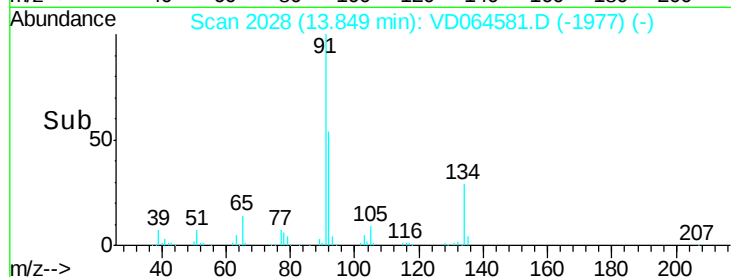
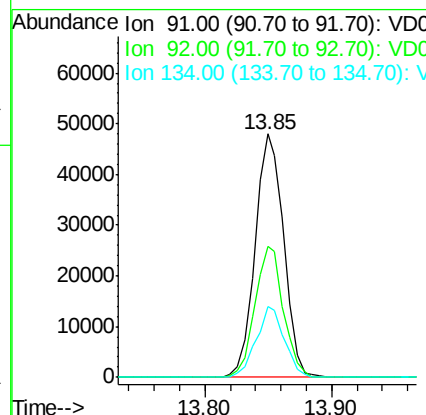
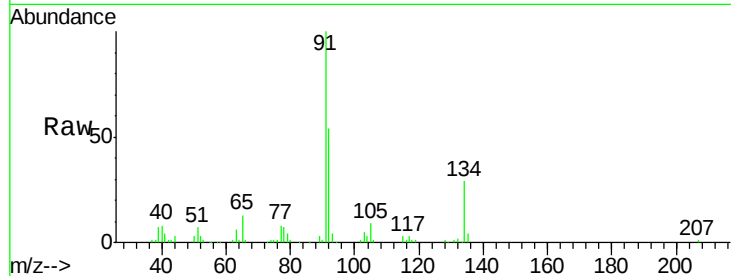
#89
n-Butylbenzene
Concen: 4.903 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.8	80.4
134	28.6	14.0	41.9

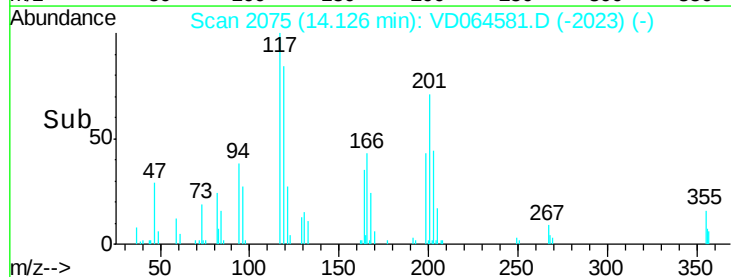
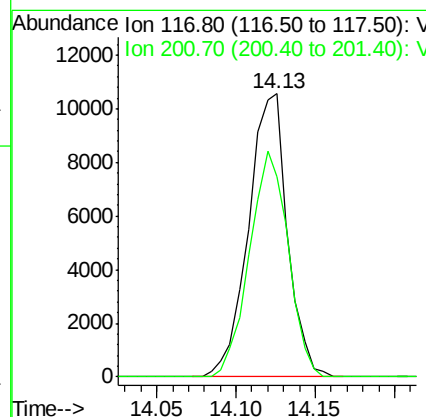
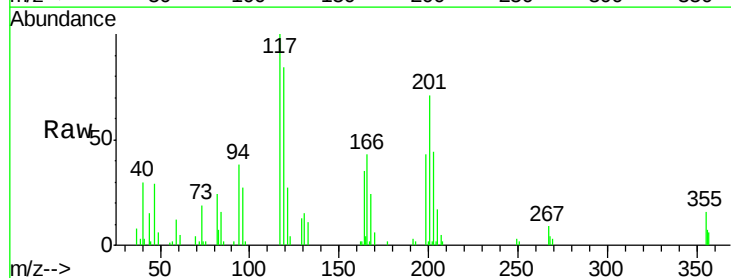
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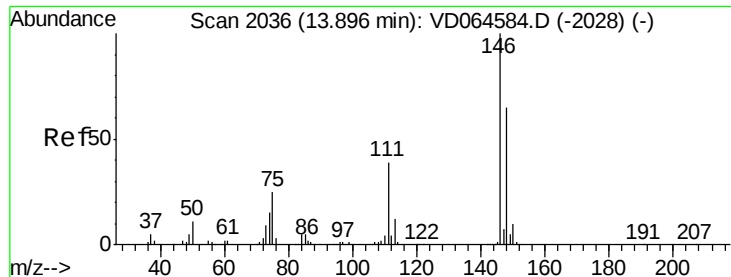
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#90
Hexachloroethane
Concen: 5.712 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064581.D
Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.0	44.0	131.8





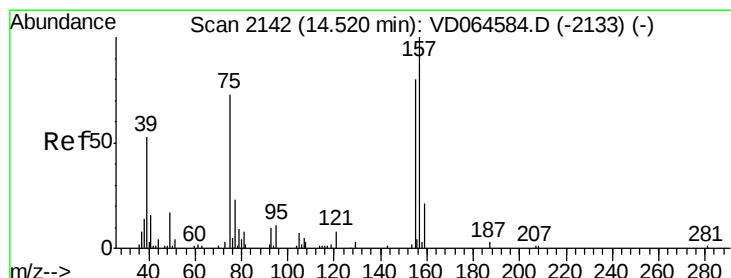
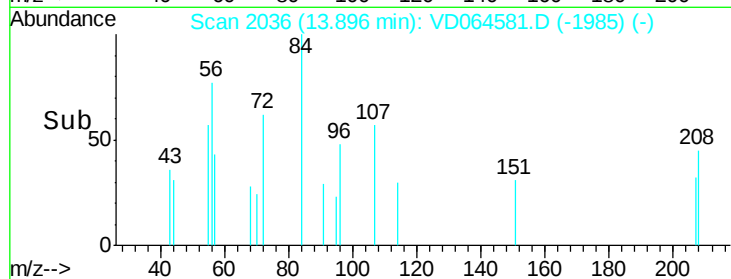
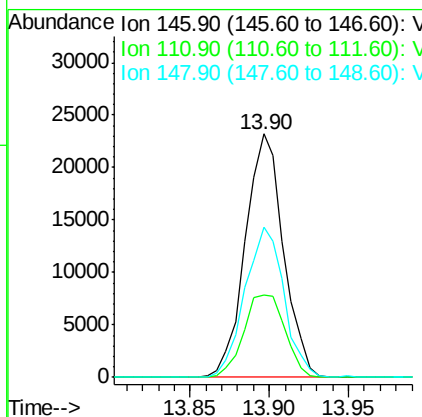
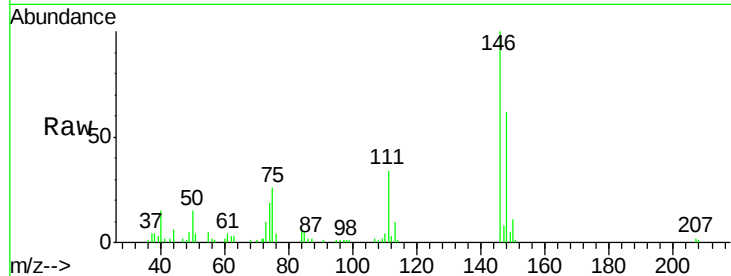
#91
 1,2-Dichlorobenzene
 Concen: 5.317 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	19.3	57.9
148	63.0	31.9	95.5

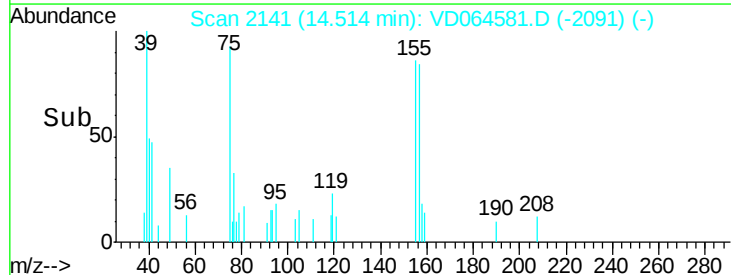
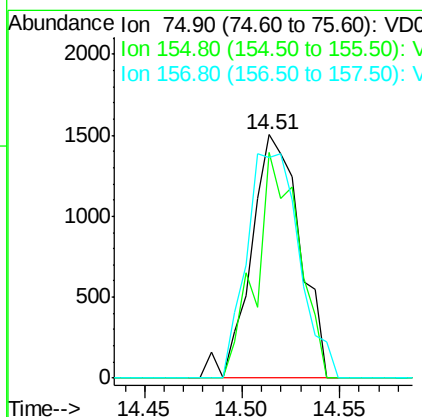
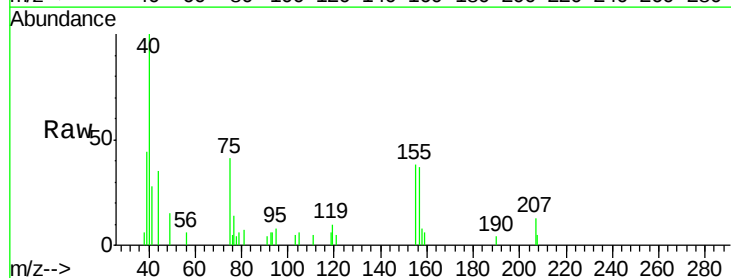
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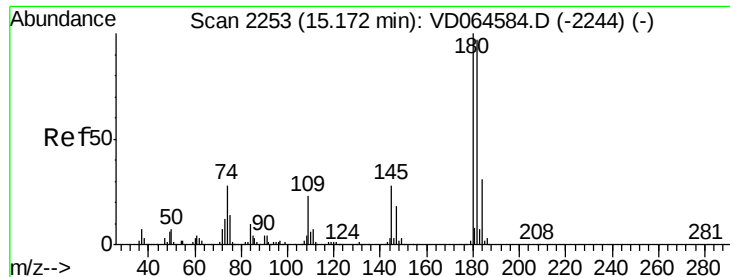
apatel
 12/26/2019 11:13:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.140 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.8	48.0	144.0
157	100.5	64.1	192.3





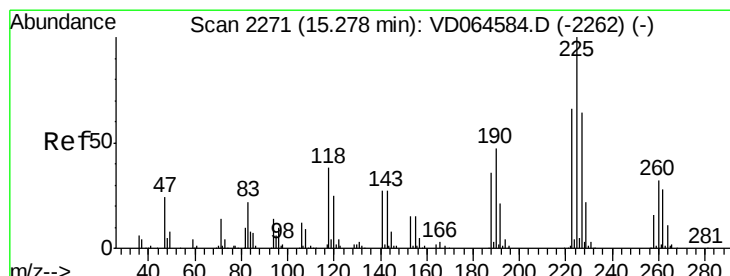
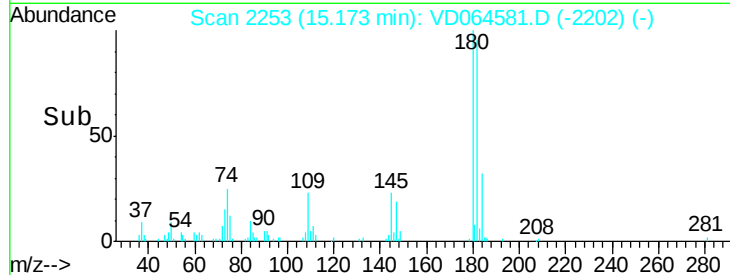
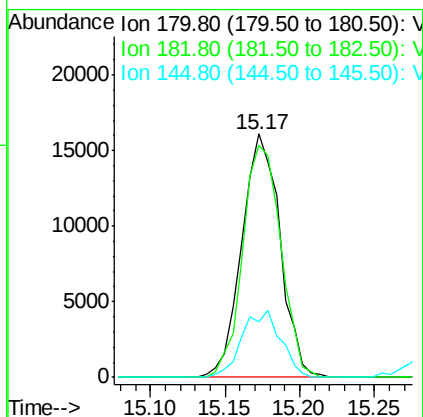
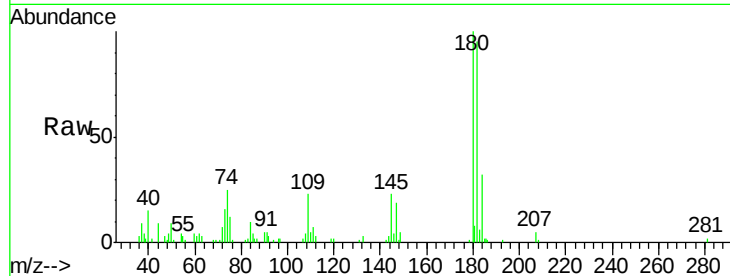
#93
 1,2,4-Trichlorobenzene
 Concen: 5.106 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.0	144.2
145	27.7	13.8	41.4

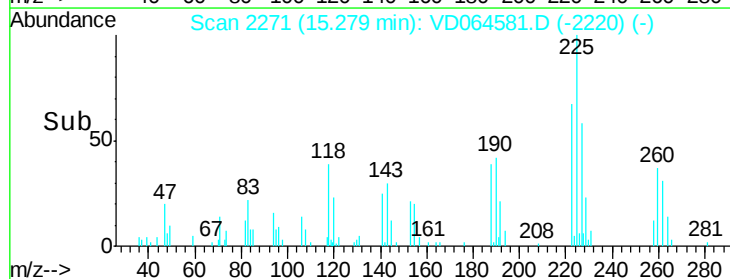
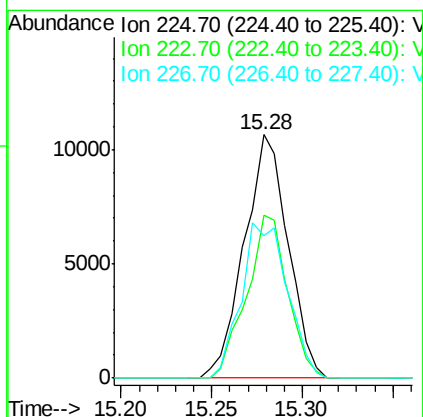
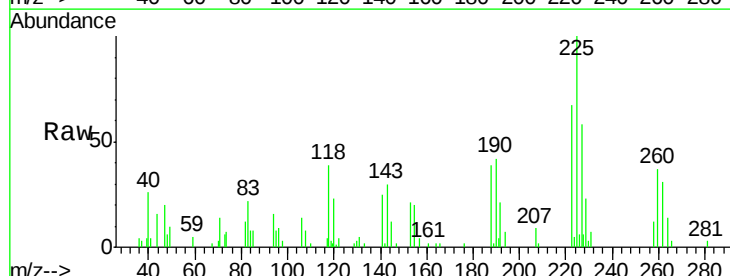
Manual Integrations
 APPROVED

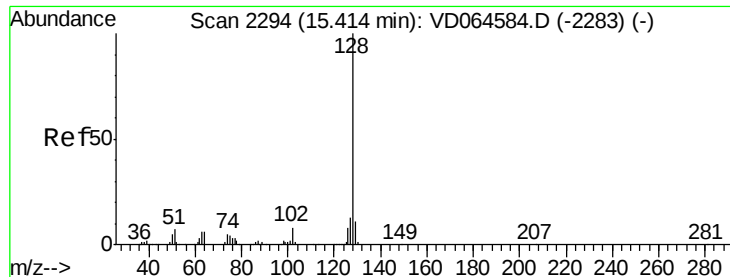
apatel
 12/26/2019 11:13:40 AM



#94
 Hexachlorobutadiene
 Concen: 5.213 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064581.D
 Acq: 24 Dec 2019 10:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.1	93.2
227	66.7	30.9	92.7





#95

Naphthalene

Concen: 4.515 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Instrument :

MSVOA_D

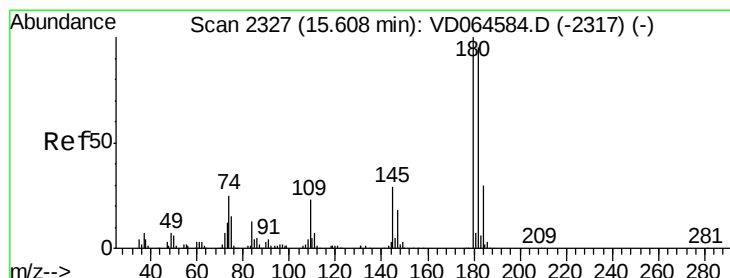
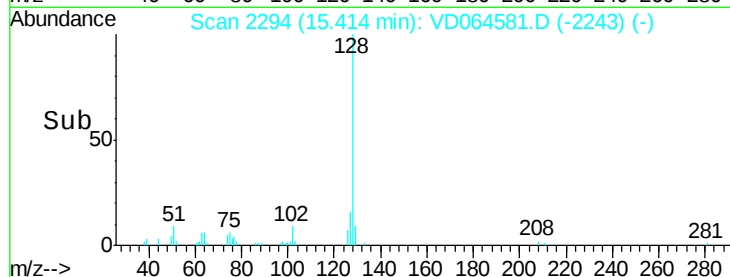
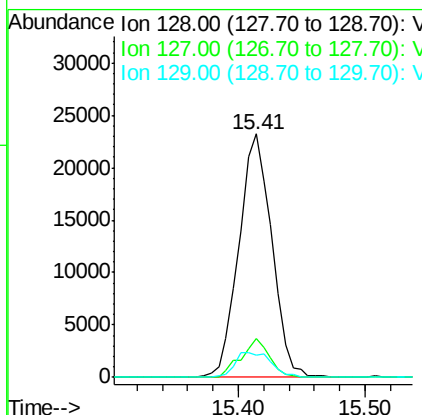
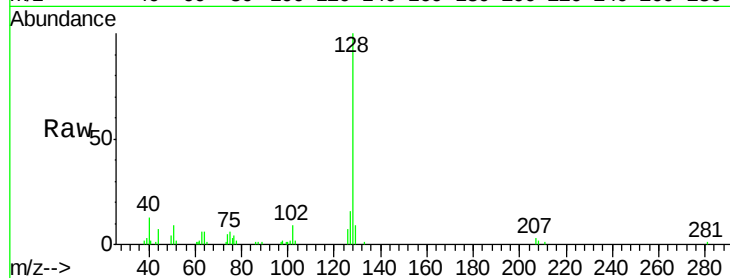
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	41809
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.3	15.5
129	11.3	8.5	12.7

Manual Integrations
APPROVED

apatel
12/26/2019 11:13:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.960 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD064581.D

Acq: 24 Dec 2019 10:23

Tgt Ion:	180	Resp:	23559
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.9	143.7
145	32.4	14.9	44.7

