

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064583.D
 Acq On : 24 Dec 2019 11:18
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 12/26/2019 11:13:53 AM

Quant Time: Dec 24 13:09:08 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	441229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	631452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	549114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	274415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	68484	17.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.20%	
35) Dibromofluoromethane	7.92	113	71477	17.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.84%	
50) Toluene-d8	10.34	98	265757	17.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.22%	
62) 4-Bromofluorobenzene	12.64	95	84107	17.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	34.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71027	18.030	ug/l	99
3) Chloromethane	2.21	50	97521	19.363	ug/l	98
4) Vinyl Chloride	2.35	62	116996	20.112	ug/l	100
5) Bromomethane	2.76	94	82125	19.058	ug/l	96
6) Chloroethane	2.92	64	79160	20.191	ug/l	98
7) Trichlorofluoromethane	3.27	101	197459	20.296	ug/l	96
8) Diethyl Ether	3.71	74	38296	19.107	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	84479	20.297	ug/l	99
10) Methyl Iodide	4.29	142	86634	19.828	ug/l	99
11) Tert butyl alcohol	5.25	59	20866m	83.170	ug/l	
12) 1,1-Dichloroethene	4.06	96	77707	19.558	ug/l	98
13) Acrolein	3.93	56	28857	83.453	ug/l	96
14) Allyl chloride	4.71	41	122285	19.763	ug/l	99
15) Acrylonitrile	5.44	53	80512	92.113	ug/l	99
16) Acetone	4.17	43	79067	98.965	ug/l	97
17) Carbon Disulfide	4.40	76	251517	20.032	ug/l	98
18) Methyl Acetate	4.73	43	42358	18.119	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	170679	18.838	ug/l	92
20) Methylene Chloride	4.96	84	92280	19.960	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	89515	19.968	ug/l	97
22) Diisopropyl ether	6.37	45	240850	19.664	ug/l	98
23) Vinyl Acetate	6.31	43	671949	93.463	ug/l	99
24) 1,1-Dichloroethane	6.27	63	147020	20.014	ug/l	97
25) 2-Butanone	7.22	43	104431	92.264	ug/l	97
26) 2,2-Dichloropropane	7.21	77	129978	20.096	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	96900	19.814	ug/l	98
28) Bromochloromethane	7.55	49	51057	19.775	ug/l	98
29) Tetrahydrofuran	7.57	42	66522	92.114	ug/l	99
30) Chloroform	7.71	83	151733	19.918	ug/l	99
31) Cyclohexane	7.98	56	142814	19.717	ug/l	# 85
32) 1,1,1-Trichloroethane	7.91	97	143072	20.183	ug/l	99
36) 1,1-Dichloropropene	8.11	75	123001	20.446	ug/l	100
37) Ethyl Acetate	7.30	43	47892	18.966	ug/l	98
38) Carbon Tetrachloride	8.10	117	128018	20.196	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	150579	20.306	ug/l	95
40) Benzene	8.35	78	332195	20.050	ug/l	98
41) Methacrylonitrile	7.54	41	29890	20.923	ug/l	96
42) 1,2-Dichloroethane	8.43	62	97193	20.097	ug/l	100
43) Isopropyl Acetate	8.46	43	92512	18.691	ug/l	98
44) Trichloroethene	9.11	130	97342	19.503	ug/l	91
45) 1,2-Dichloropropane	9.39	63	78738	19.928	ug/l	95
46) Dibromomethane	9.48	93	44918	20.074	ug/l	99
47) Bromodichloromethane	9.67	83	117910	20.475	ug/l	97
48) Methyl methacrylate	9.46	41	41779	18.192	ug/l	88
49) 1,4-Dioxane	9.47	88	10759	391.757	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	233117	95.110	ug/l	99
52) Toluene	10.40	92	215271	19.841	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	110545	20.185	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	130186	20.006	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	58674	19.194	ug/l	93
56) Ethyl methacrylate	10.66	69	74640	19.229	ug/l	99
57) 1,3-Dichloropropane	10.95	76	102612	19.685	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	145388	94.438	ug/l	100
59) 2-Hexanone	10.99	43	158336	93.099	ug/l	99
60) Dibromochloromethane	11.14	129	80610	19.406	ug/l	98
61) 1,2-Dibromoethane	11.25	107	59265	19.436	ug/l	99
64) Tetrachloroethene	10.88	164	86139	20.580	ug/l	98
65) Chlorobenzene	11.67	112	231422	20.123	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	84860	19.974	ug/l	100
67) Ethyl Benzene	11.75	91	417492	20.367	ug/l	100
68) m/p-Xylenes	11.86	106	319539	40.770	ug/l	99
69) o-Xylene	12.18	106	143637	19.942	ug/l	99
70) Styrene	12.20	104	251630	20.062	ug/l	98
71) Bromoform	12.37	173	49310	19.443	ug/l #	99
73) Isopropylbenzene	12.48	105	392784	19.844	ug/l	99
74) N-amyl acetate	12.29	43	84275	18.984	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	62041	19.180	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	39062m	17.662	ug/l	
77) Bromobenzene	12.77	156	97729	20.084	ug/l	99
78) n-propylbenzene	12.83	91	461669	20.201	ug/l	100
79) 2-Chlorotoluene	12.91	91	250023	19.920	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	323400	19.993	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20318	19.640	ug/l	99
82) 4-Chlorotoluene	13.01	91	266721	20.037	ug/l	100
83) tert-Butylbenzene	13.23	119	280350	19.925	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	320005	19.679	ug/l	98
85) sec-Butylbenzene	13.41	105	381198	19.769	ug/l	100
86) p-Isopropyltoluene	13.53	119	361525	19.774	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	180023	19.450	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	178833	19.560	ug/l	98
89) n-Butylbenzene	13.85	91	333029	20.127	ug/l	100
90) Hexachloroethane	14.12	117	71629	20.926	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	156894	19.887	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9927	18.212	ug/l	95

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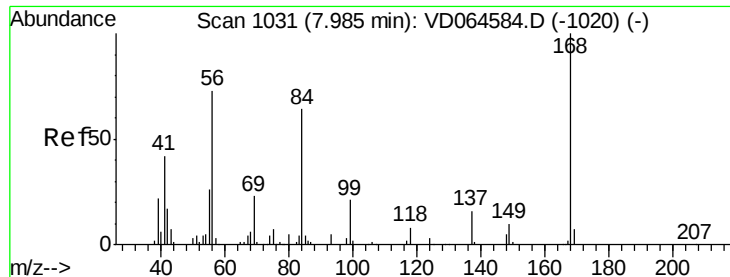
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	114898	19.062	ug/l	99
94) Hexachlorobutadiene	15.28	225	72408	19.509	ug/l	98
95) Naphthalene	15.41	128	178925	17.886	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	98619	19.219	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: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 441229

Ion Ratio Lower Upper

168 100

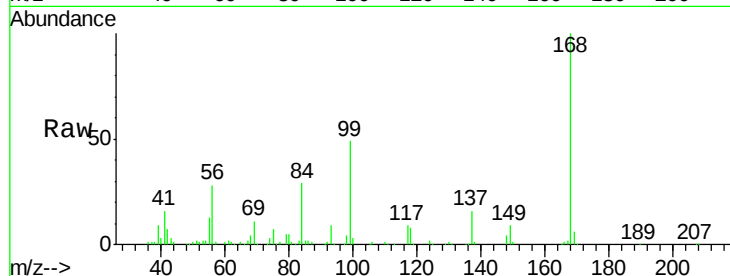
99 49.0 41.8 62.6

Manual Integrations

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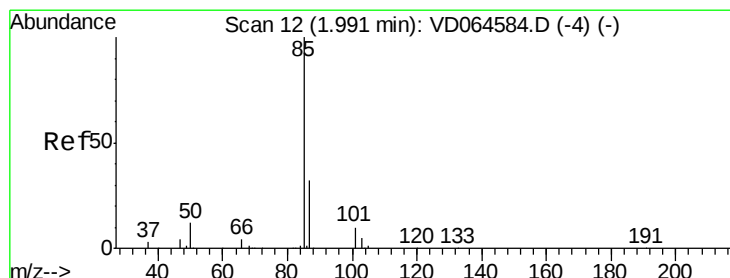
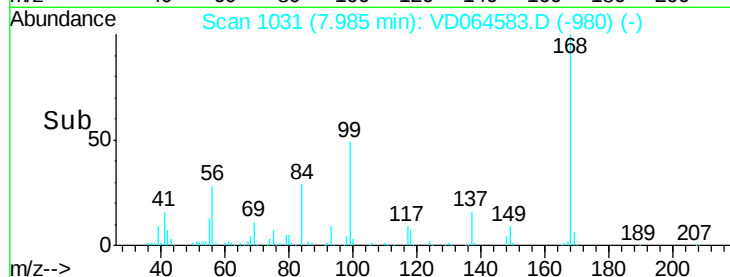
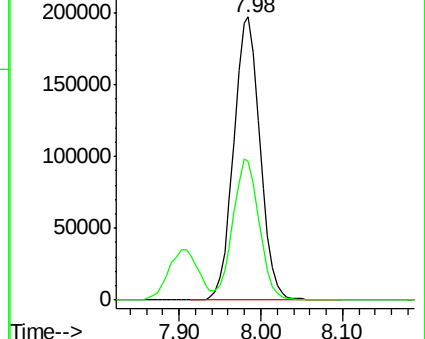
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.030 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064583.D

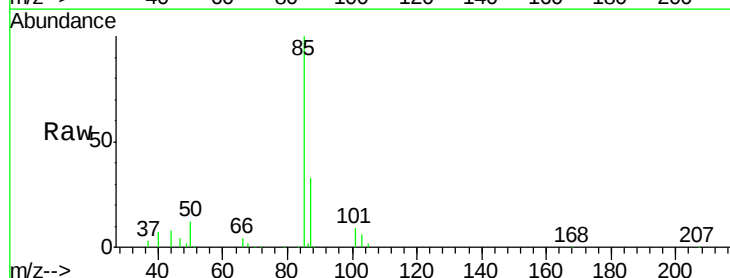
Acq: 24 Dec 2019 11:18

Tgt Ion: 85 Resp: 71027

Ion Ratio Lower Upper

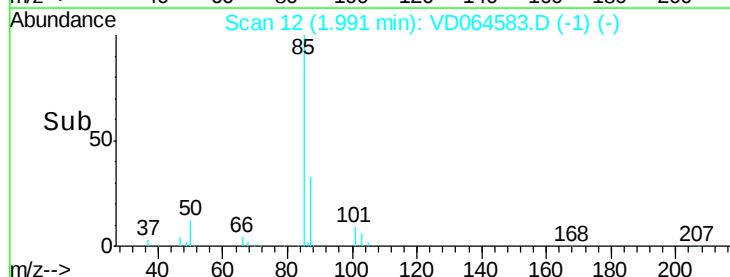
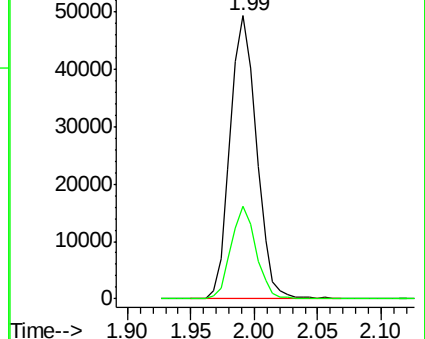
85 100

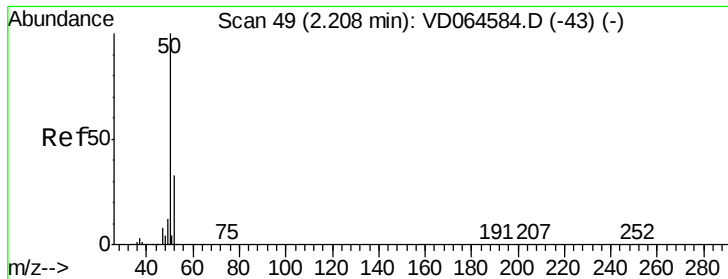
87 32.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.363 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 97521

Ion Ratio Lower Upper

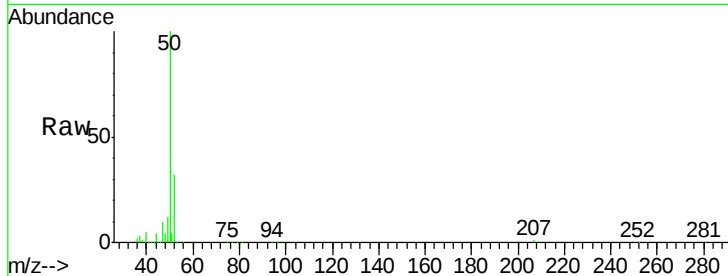
50 100

52 32.1 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

60000

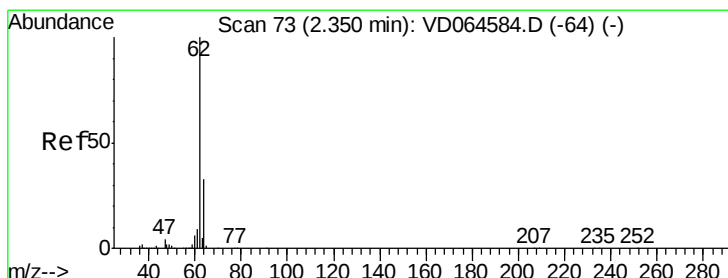
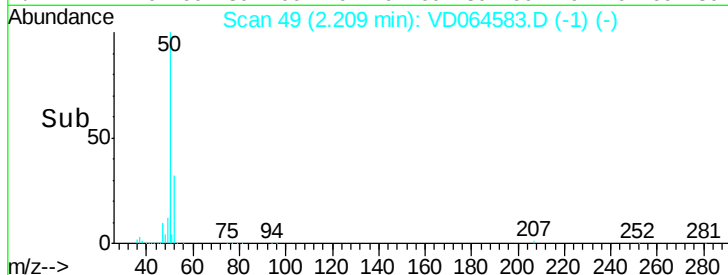
40000

20000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 20.112 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064583.D

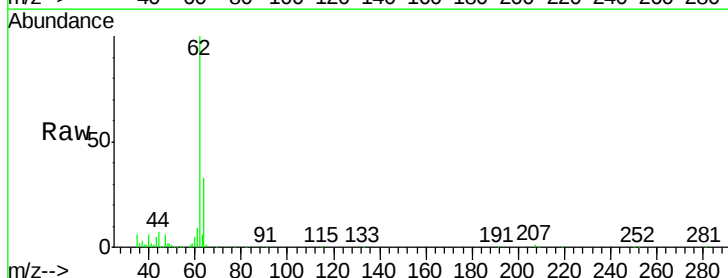
Acq: 24 Dec 2019 11:18

Tgt Ion: 62 Resp: 116996

Ion Ratio Lower Upper

62 100

64 33.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

60000

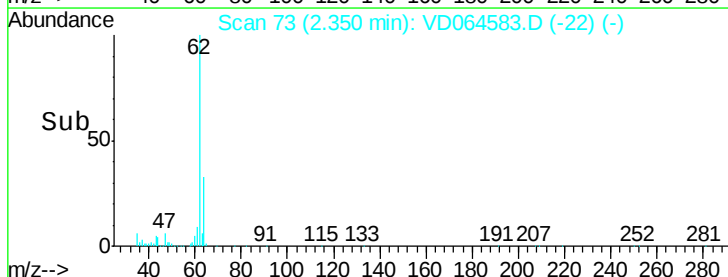
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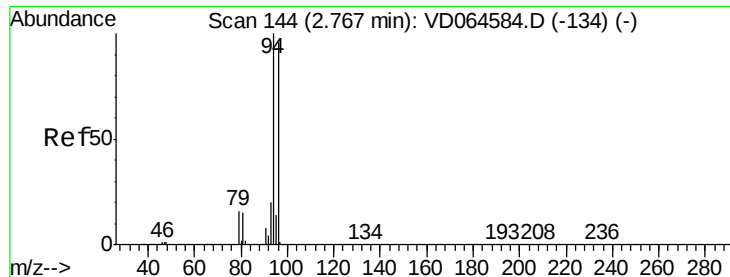
20000

0

2.25 2.30 2.35 2.40 2.45

Time-->





#5

Bromomethane

Concen: 19.058 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 82125

Ion Ratio Lower Upper

94 100

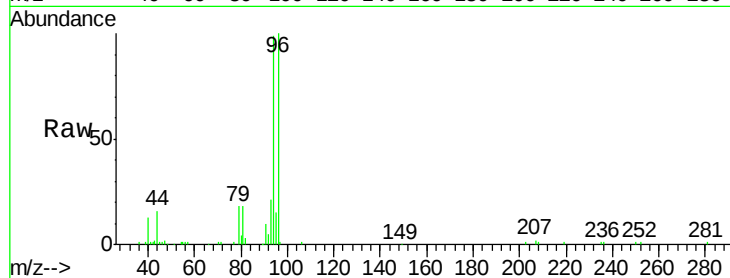
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Manual Integrations

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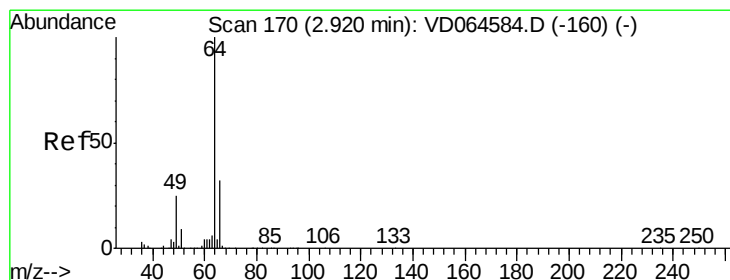
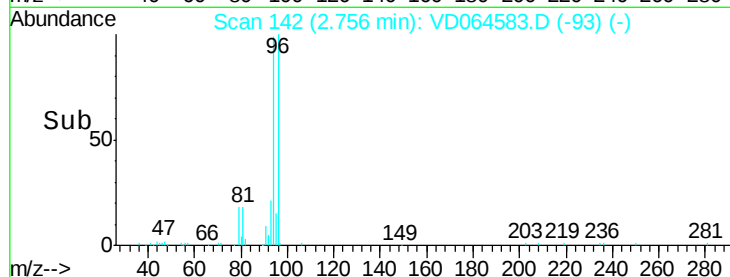
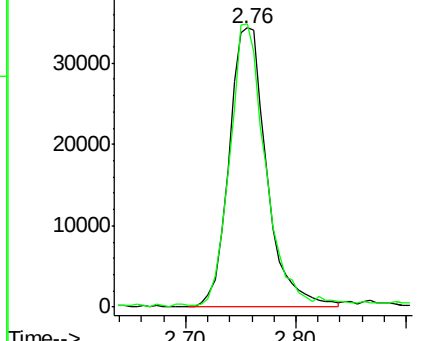
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.191 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064583.D

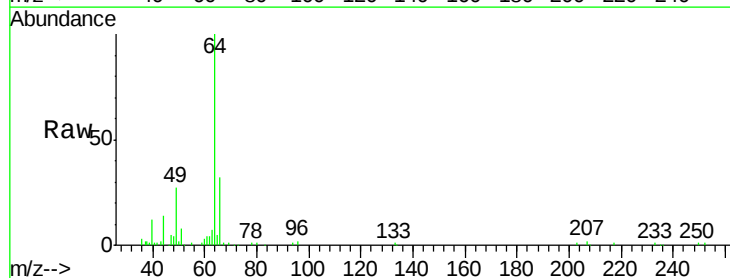
Acq: 24 Dec 2019 11:18

Tgt Ion: 64 Resp: 79160

Ion Ratio Lower Upper

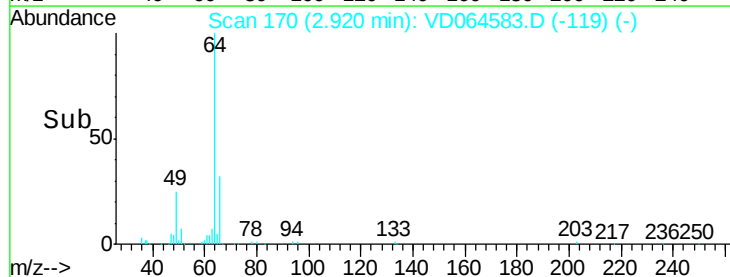
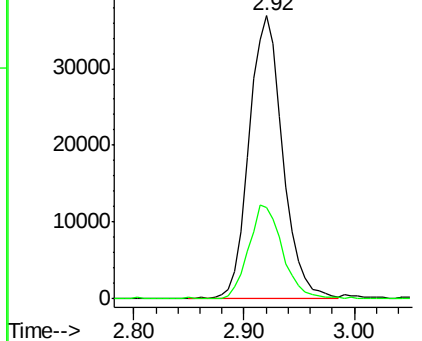
64 100

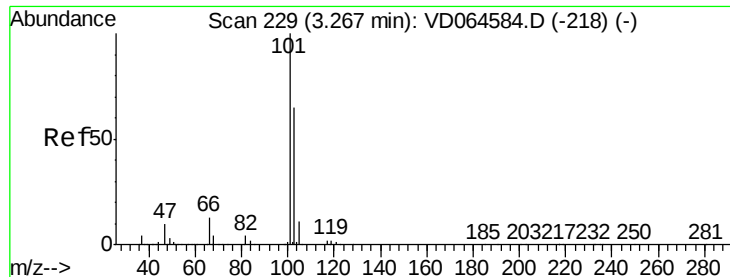
66 31.6 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

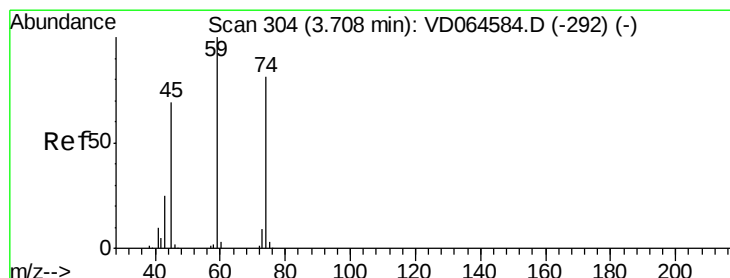
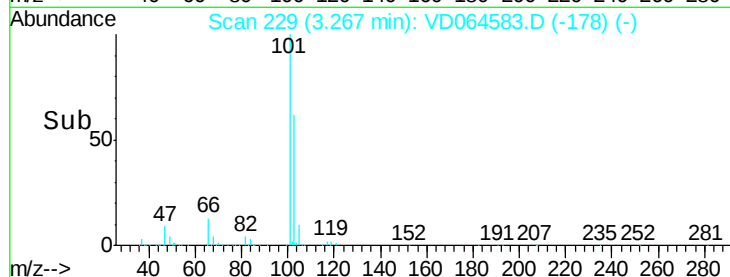
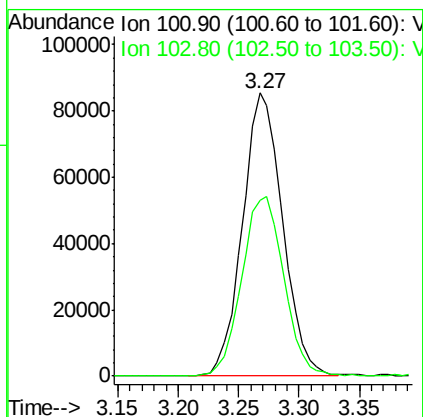
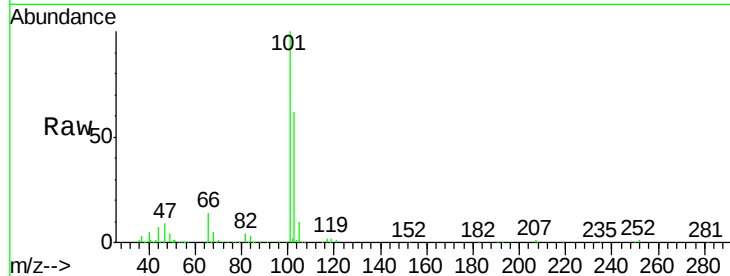
Trichlorofluoromethane
Concen: 20.296 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	52.2	78.4

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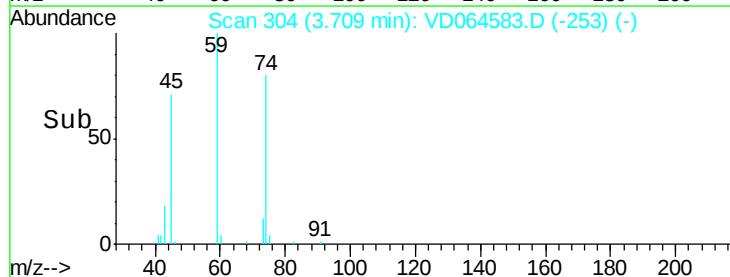
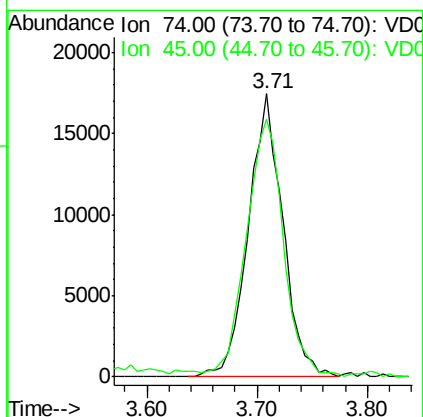
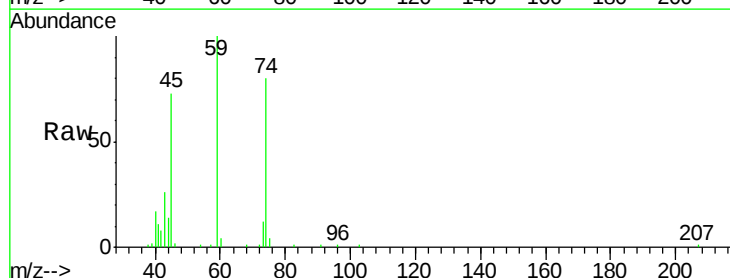
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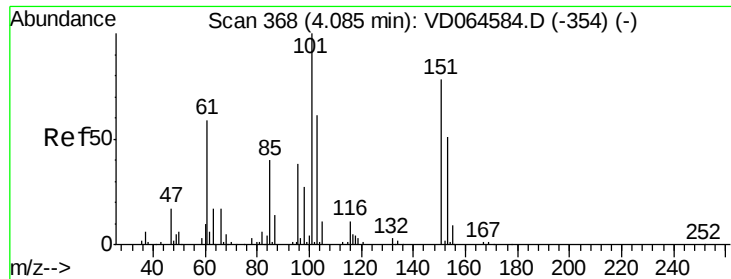


#8

Diethyl Ether
Concen: 19.107 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.297 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

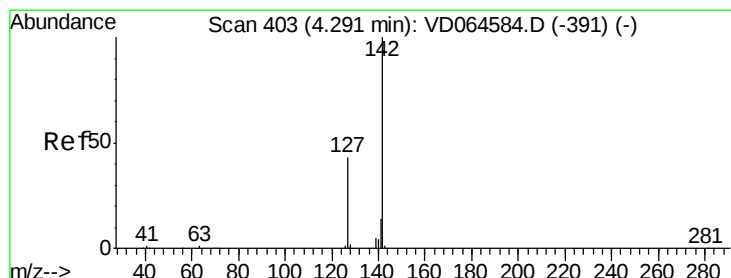
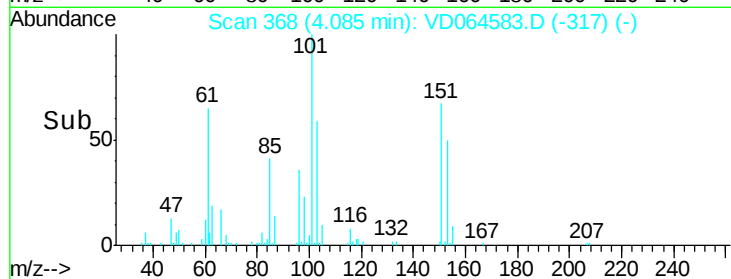
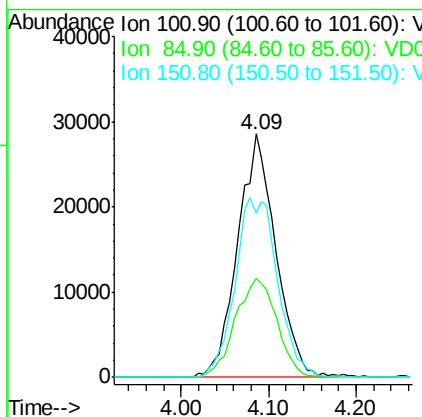
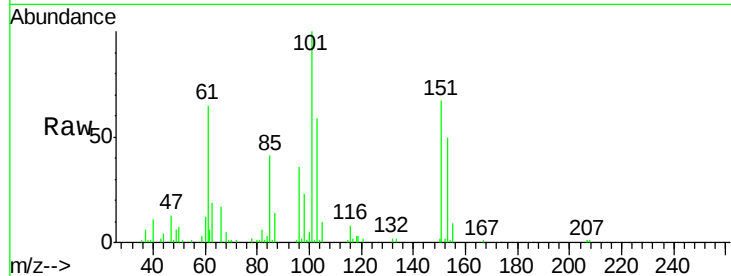
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	84479
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.2	52.8
151	82.2	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.828 ug/l

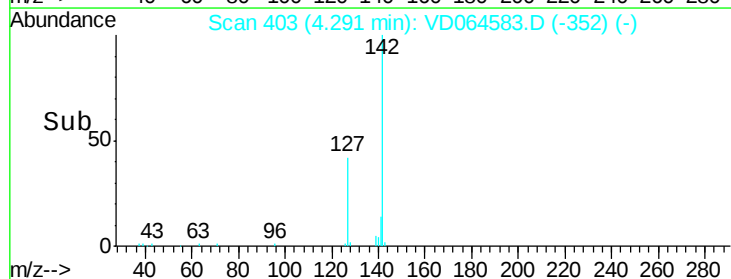
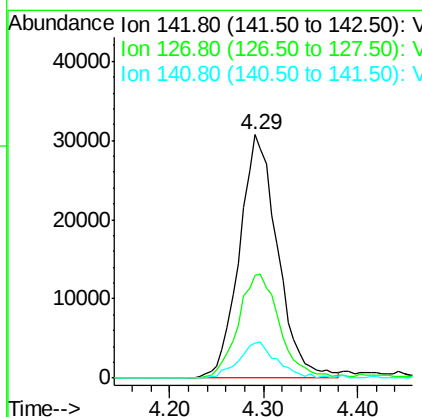
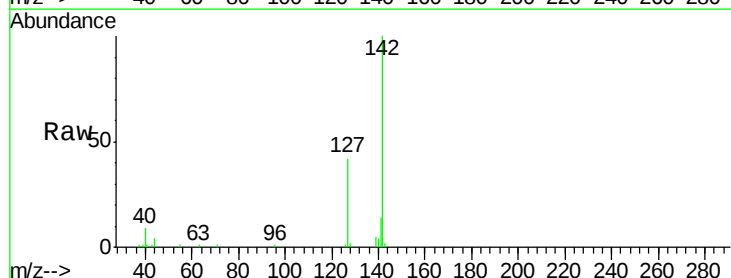
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Tgt Ion:	142	Resp:	86634
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.2	54.4
141	14.6	11.8	17.8





#11

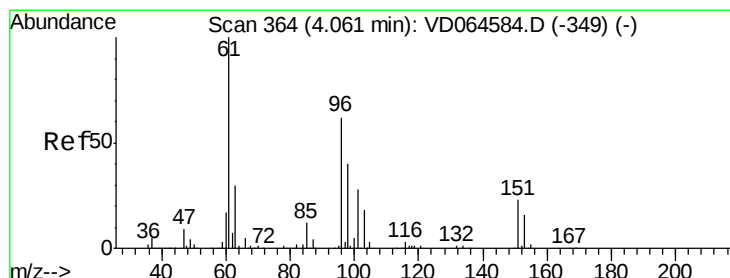
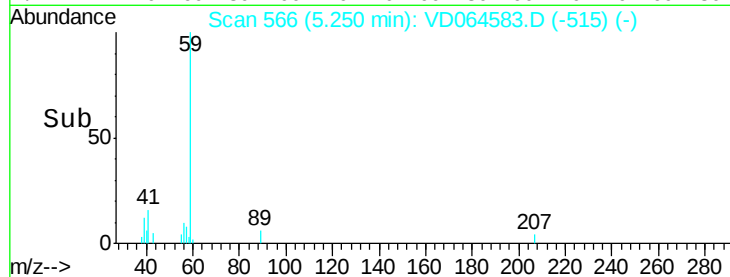
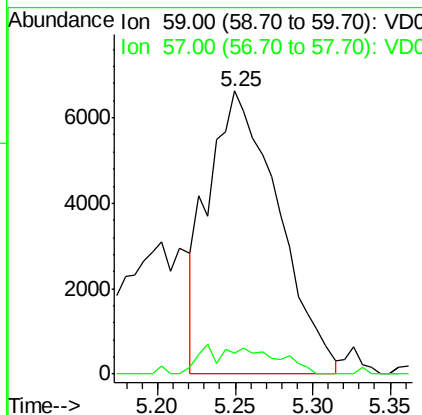
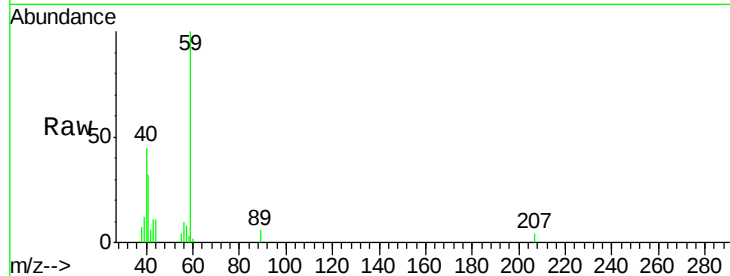
Tert butyl alcohol
 Concen: 83.170 ug/l m
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.1	9.3	13.9#

Manual Integrations
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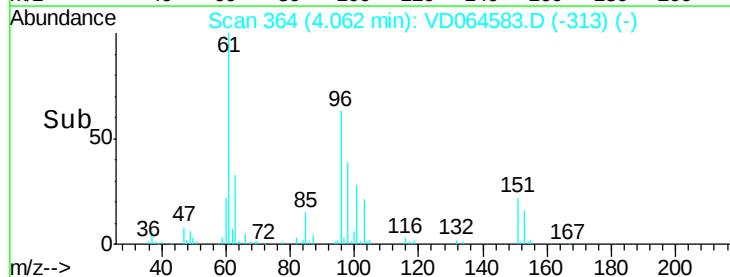
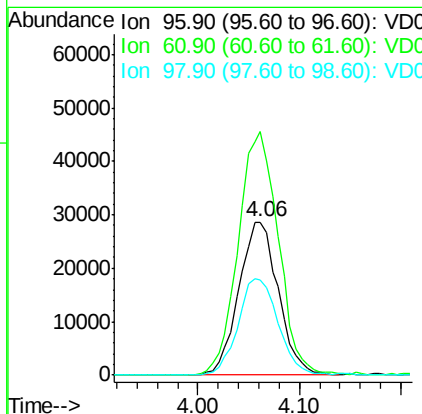
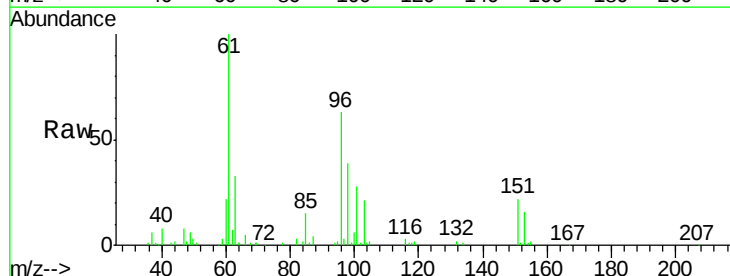
apatel
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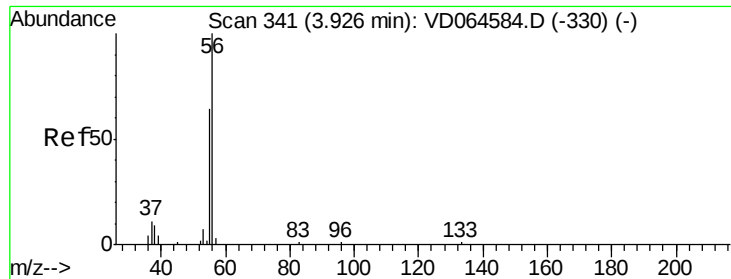


#12

1,1-Dichloroethene
 Concen: 19.558 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	129.4	194.0
98	62.0	51.4	77.0





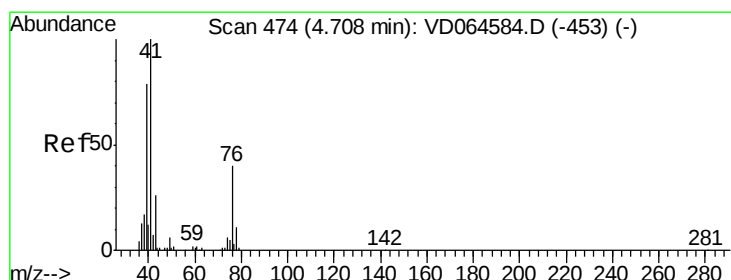
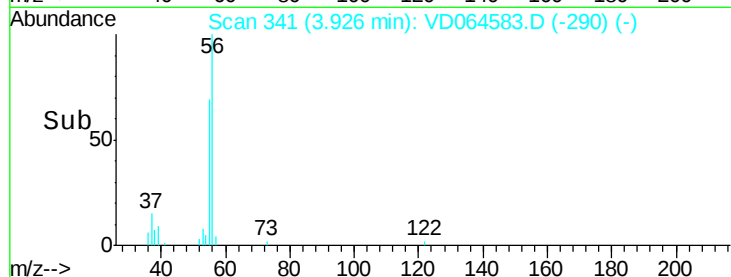
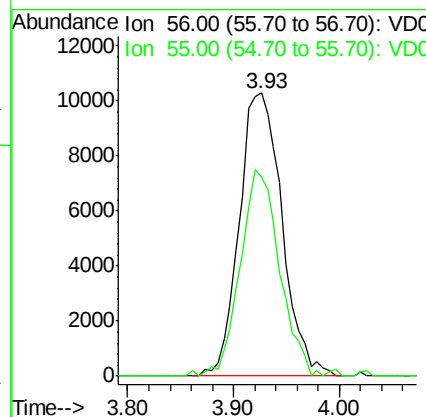
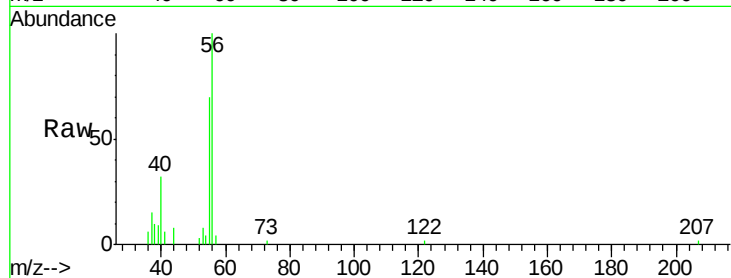
#13
Acrolein
Concen: 83.453 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	56	Resp	28857
Ion Ratio	100	Lower	Upper
56	100		
55	67.2	56.7	85.1

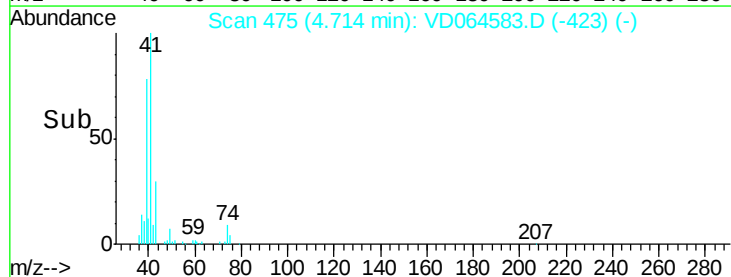
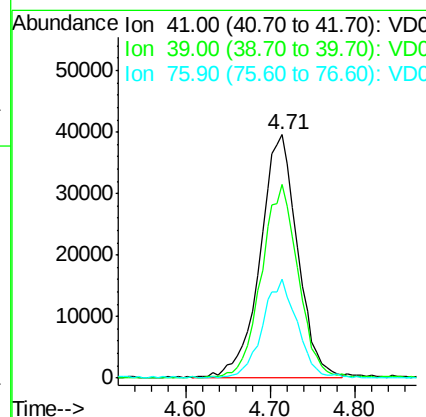
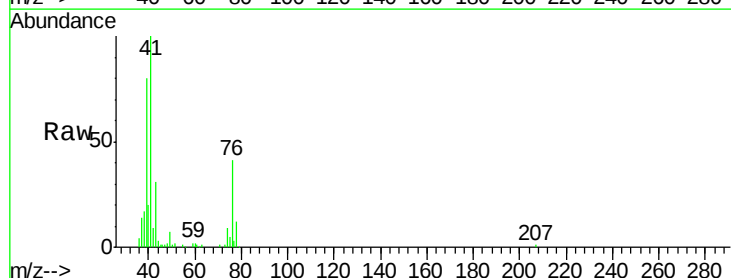
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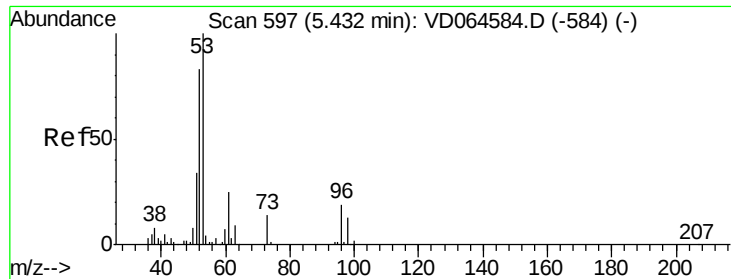
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#14
Allyl chloride
Concen: 19.763 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	41	Resp	122285
Ion Ratio	100	Lower	Upper
41	100		
39	78.3	62.3	93.5
76	37.8	29.7	44.5





#15

Acrylonitrile

Concen: 92.113 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

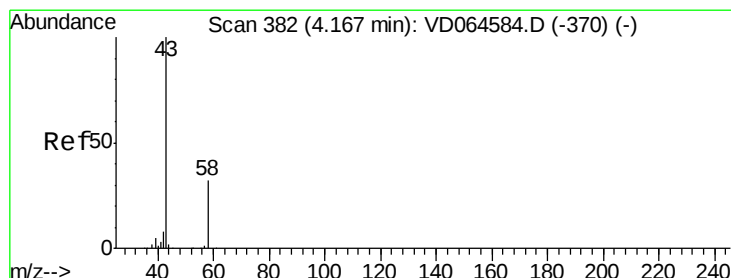
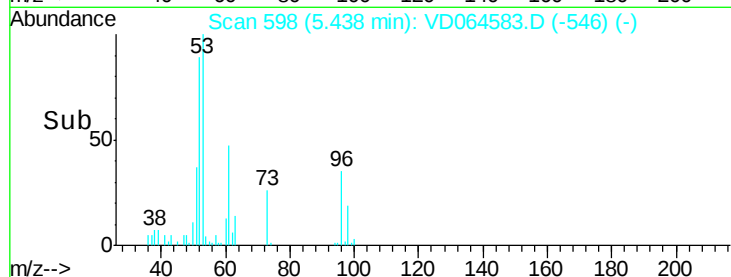
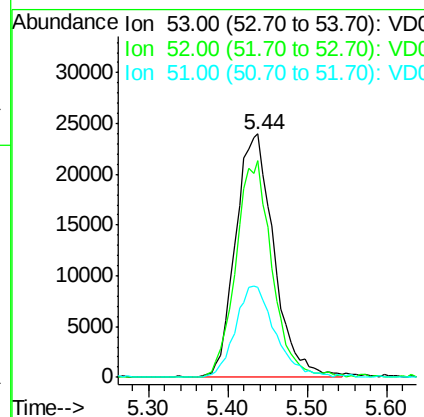
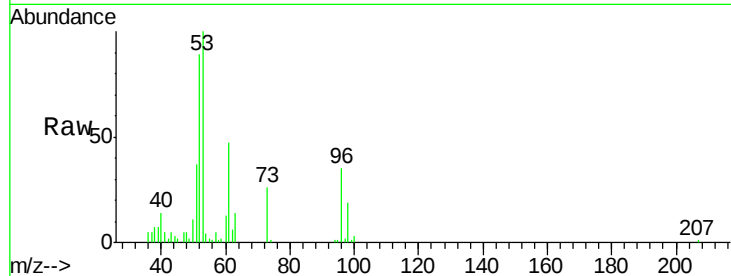
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	80512
Ion Ratio	Lower	Upper	
53	100		
52	83.7	66.2	99.2
51	38.8	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 98.965 ug/l

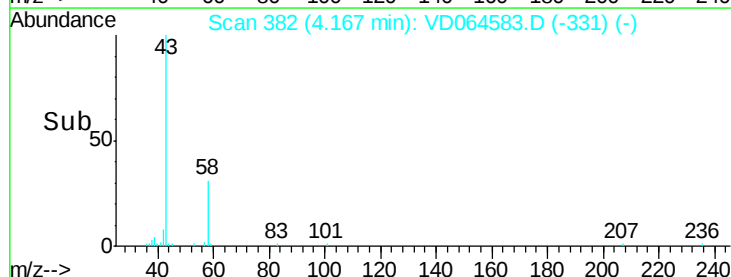
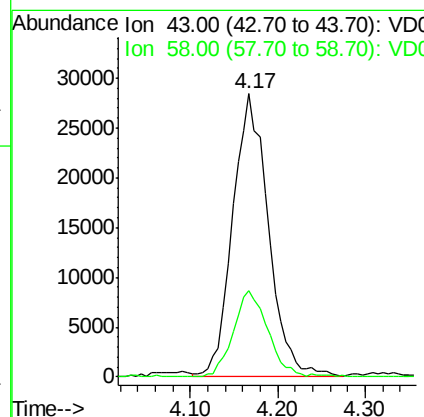
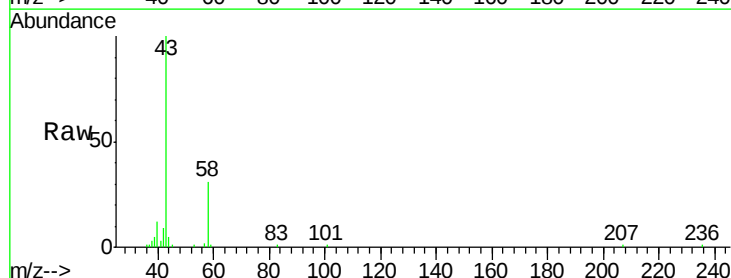
RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Tgt Ion:	43	Resp:	79067
Ion Ratio	Lower	Upper	
43	100		
58	30.6	25.8	38.6





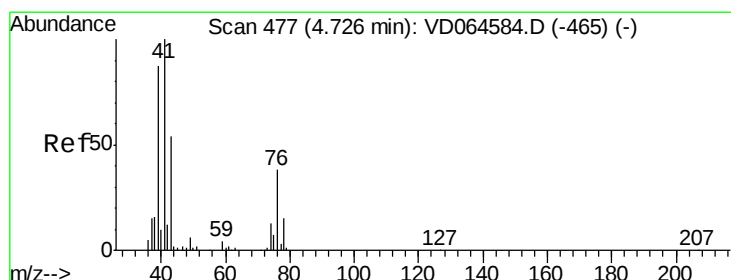
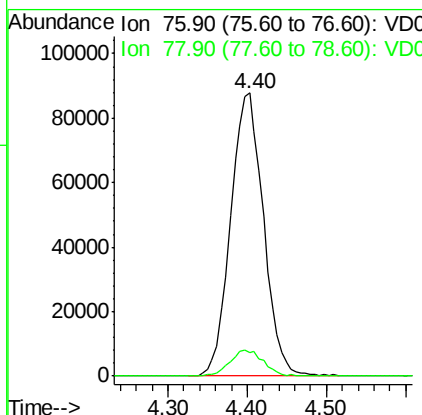
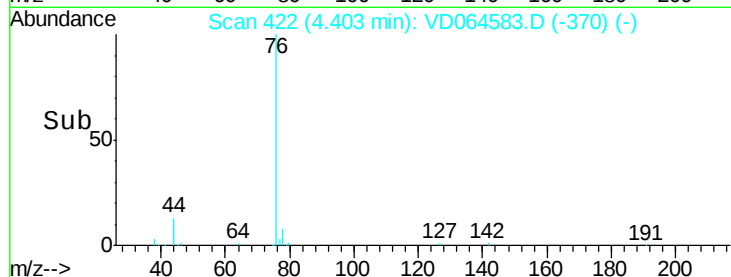
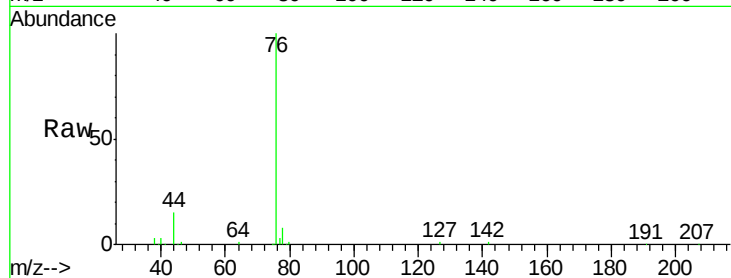
#17
Carbon Disulfide
Concen: 20.032 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

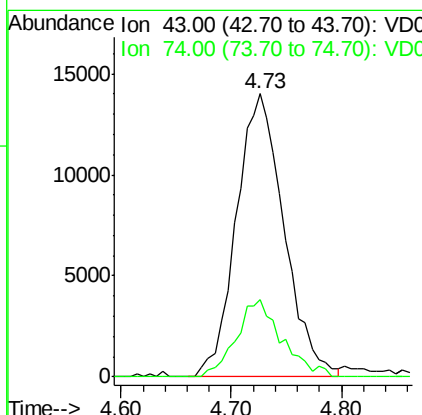
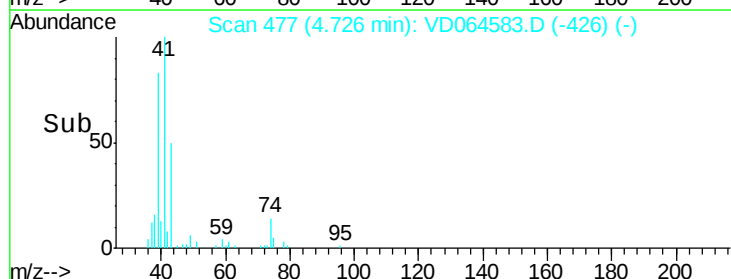
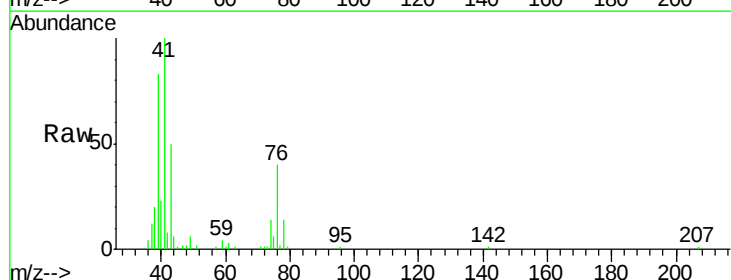
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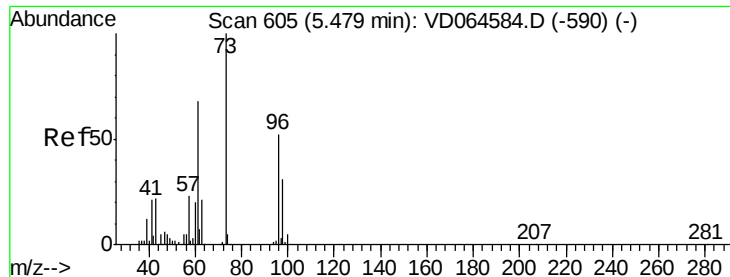
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#18
Methyl Acetate
Concen: 18.119 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	19.2	28.8





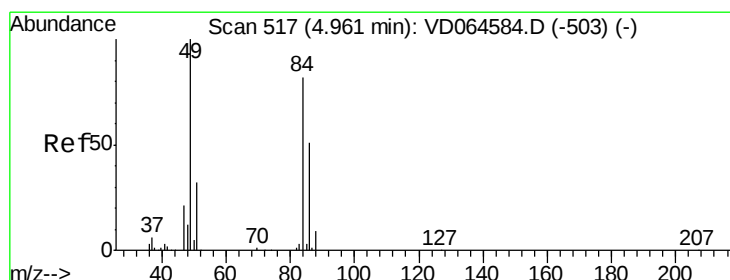
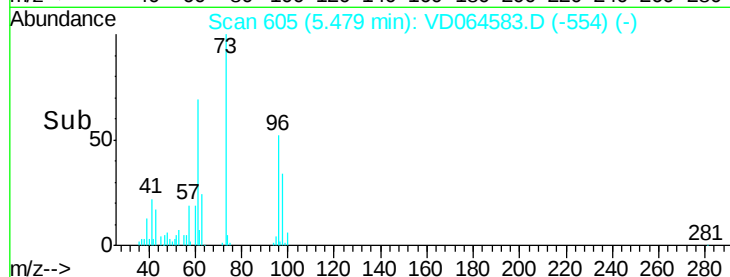
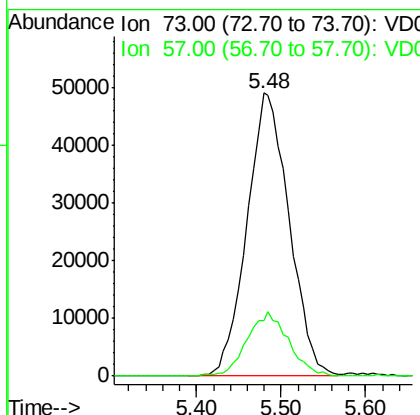
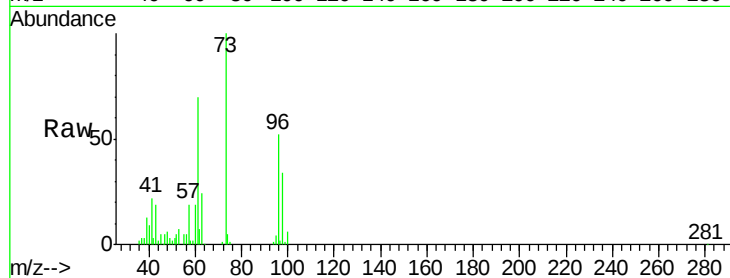
#19
Methvl tert-butvl Ether
Concen: 18.838 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	73	Resp	170679
Ion Ratio	Lower	Upper	
73	100		
57	19.4	18.6	27.8

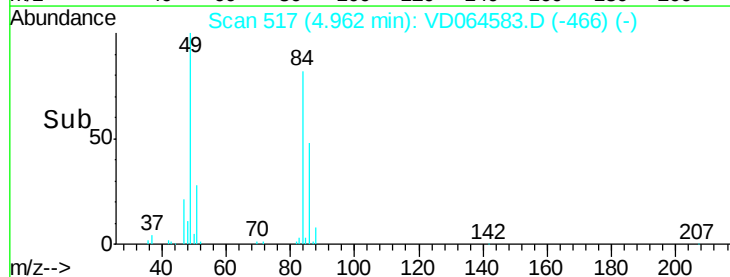
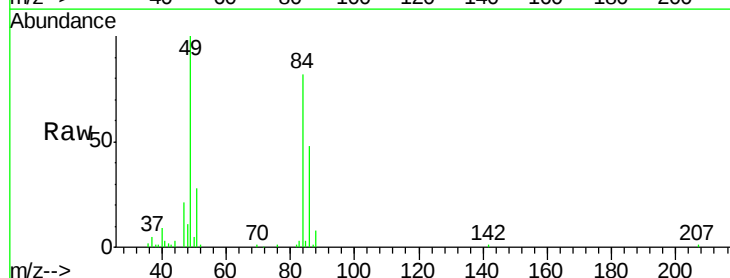
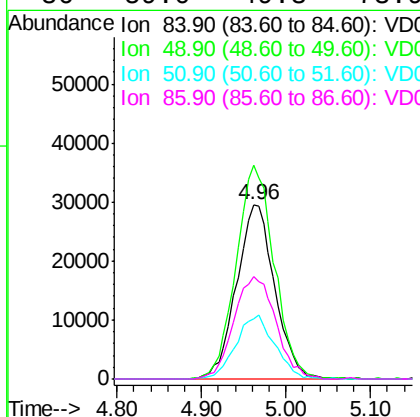
Manual Integrations
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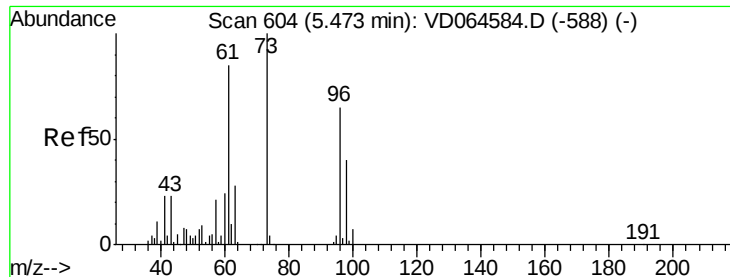
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#20
Methylene Chloride
Concen: 19.960 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	84	Resp	92280
Ion Ratio	Lower	Upper	
84	100		
49	122.5	97.2	145.8
51	34.5	31.4	47.0
86	59.0	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 19.968 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 96 Resp: 89515

Ion Ratio Lower Upper

96 100

61 126.2 104.7 157.1

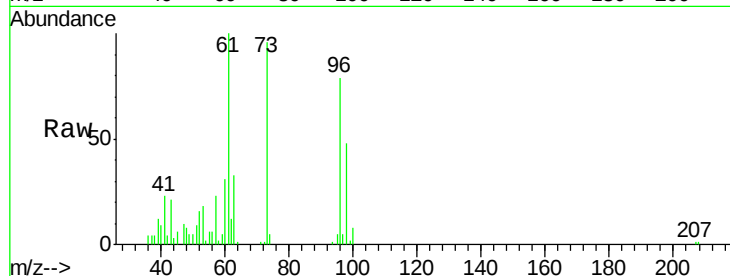
98 60.8 49.4 74.2

Manual Integrations

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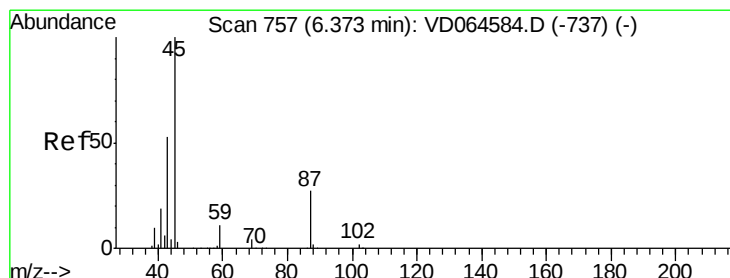
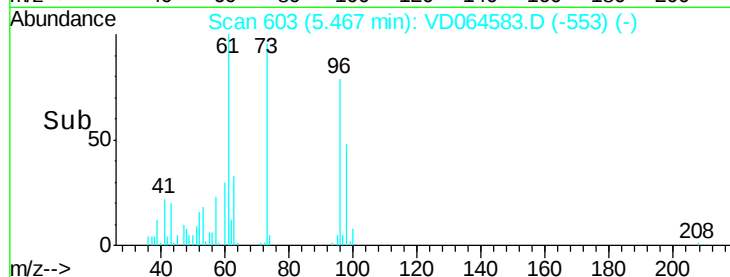
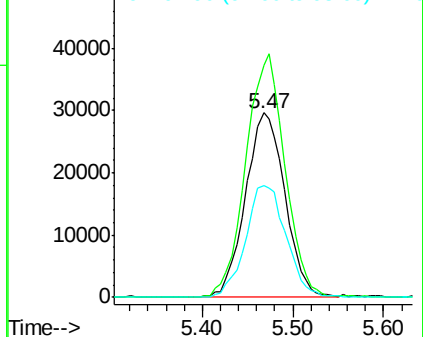


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.664 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Tgt Ion: 45 Resp: 240850

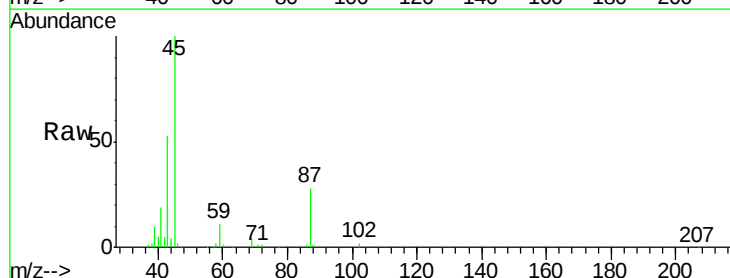
Ion Ratio Lower Upper

45 100

43 52.0 43.2 64.8

87 27.7 21.9 32.9

59 10.6 9.0 13.4



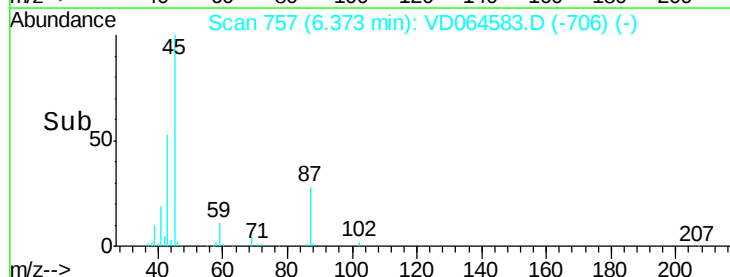
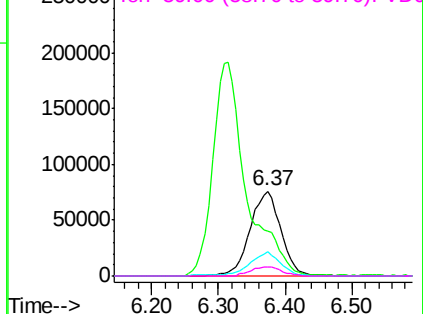
Abundance

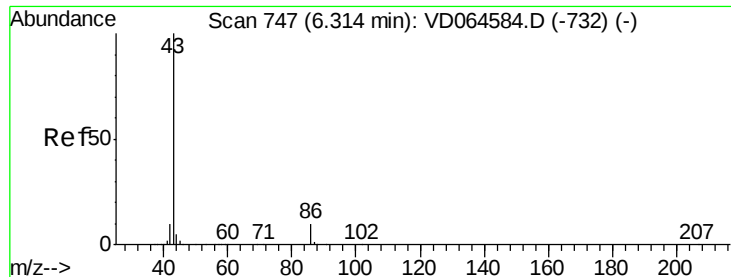
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 93.463 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 671949

Ion Ratio Lower Upper

43 100

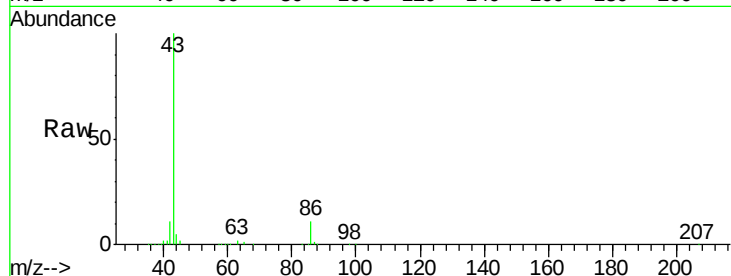
86 10.7 8.3 12.5

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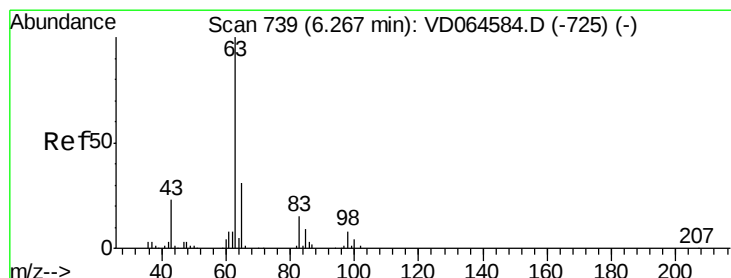
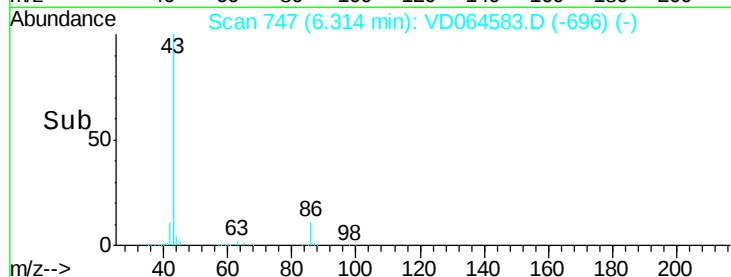
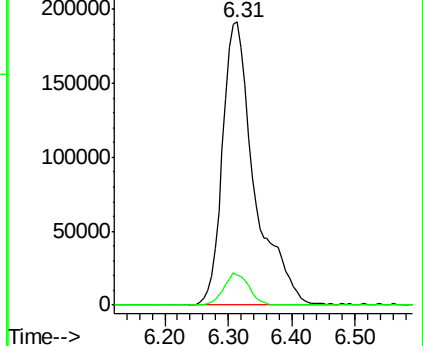
apatel

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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: 20.014 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

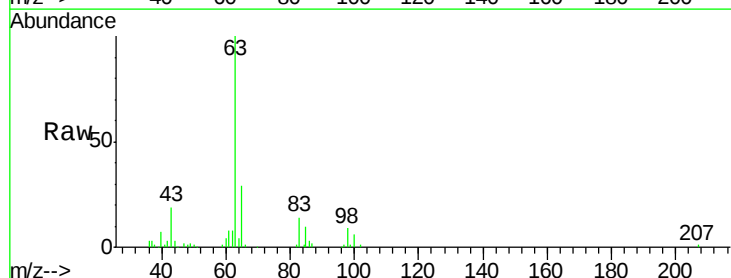
Tgt Ion: 63 Resp: 147020

Ion Ratio Lower Upper

63 100

98 9.1 4.1 12.3

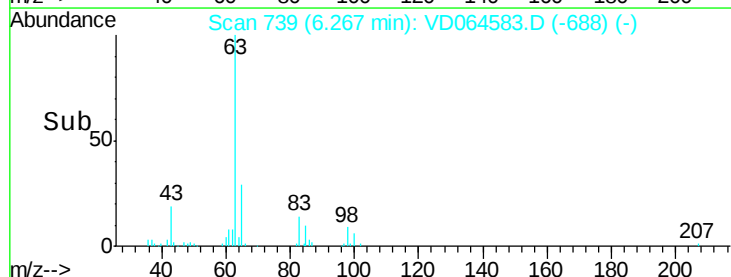
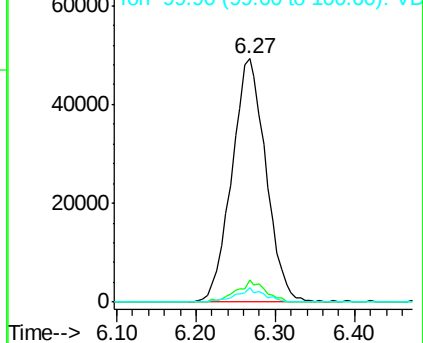
100 5.7 2.2 6.6

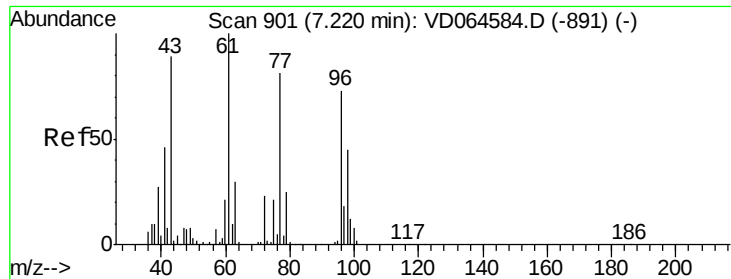


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 92.264 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 104431

Ion Ratio Lower Upper

43 100

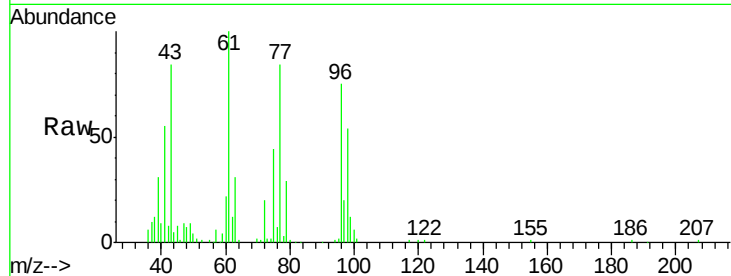
72 24.1 20.7 31.1

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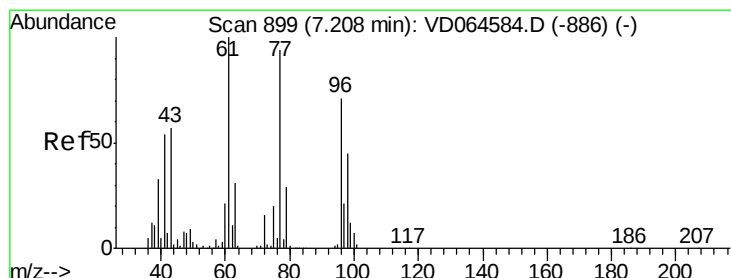
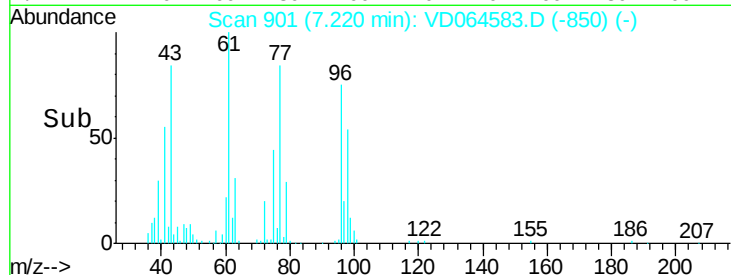
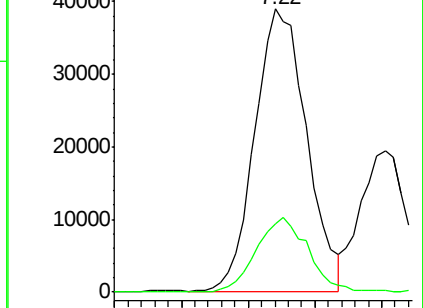
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.096 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064583.D

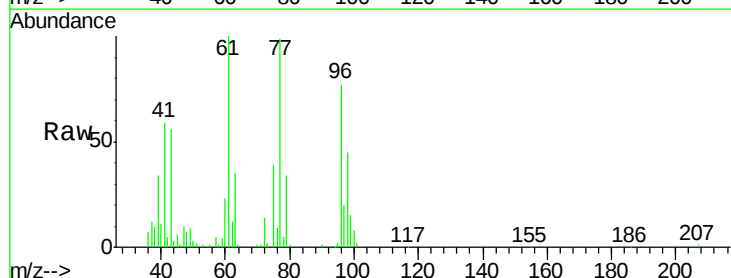
Acq: 24 Dec 2019 11:18

Tgt Ion: 77 Resp: 129978

Ion Ratio Lower Upper

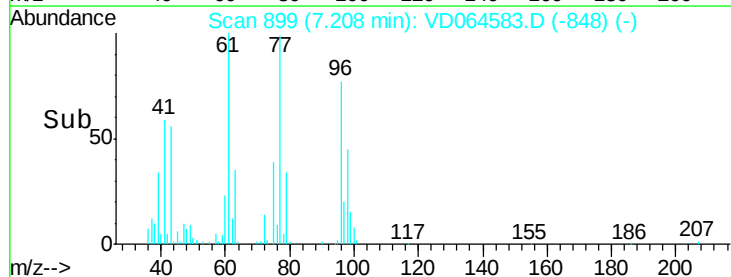
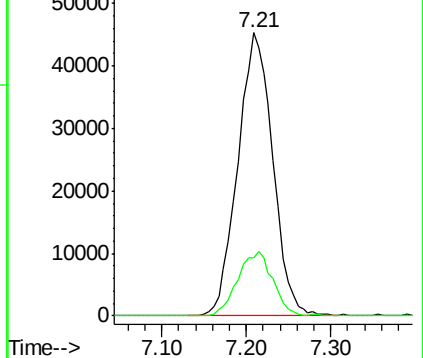
77 100

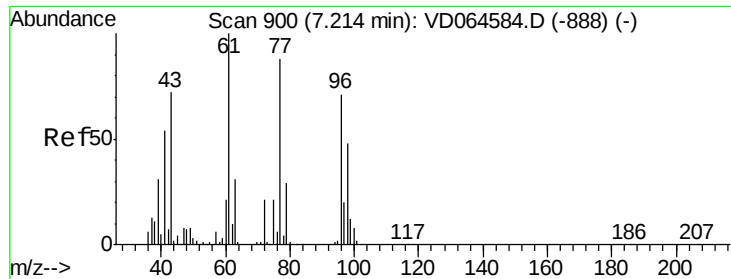
97 22.7 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





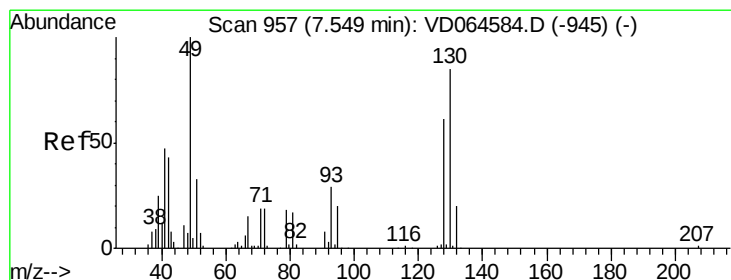
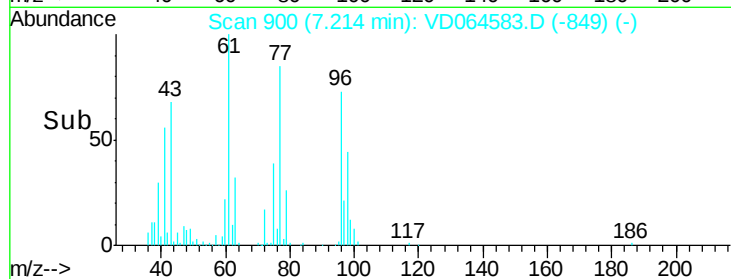
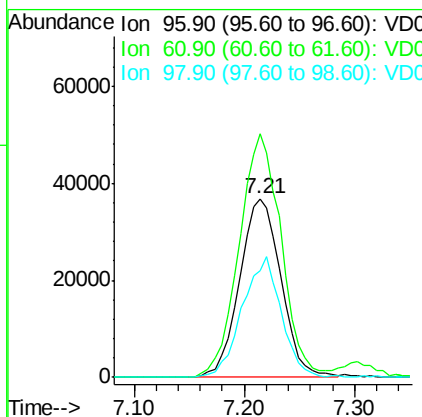
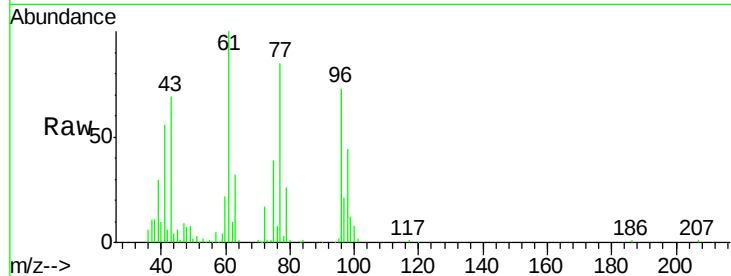
#27
 cis-1,2-Dichloroethene
 Concen: 19.814 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	138.7	0.0	282.6	
98	63.6	0.0	130.8	

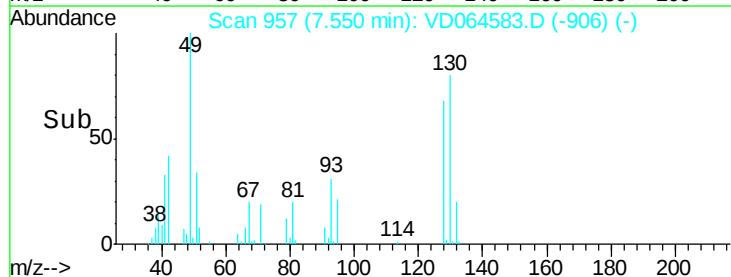
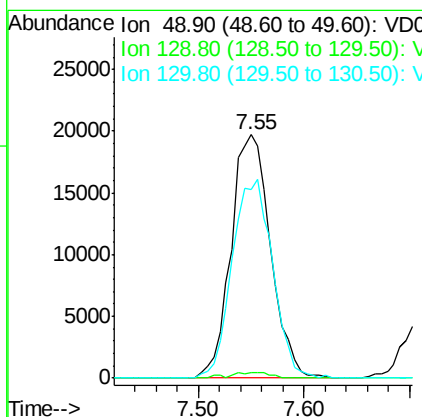
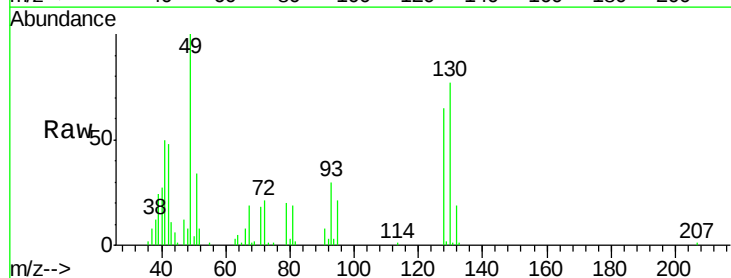
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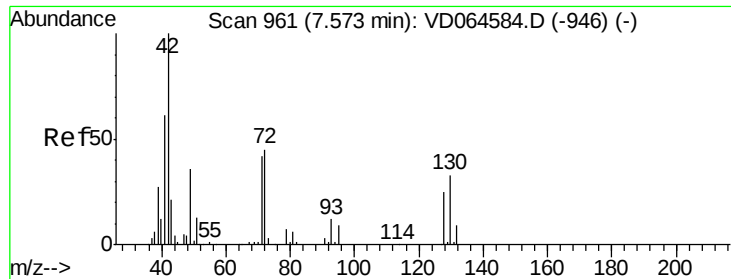
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#28
 Bromochloromethane
 Concen: 19.775 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	4.8	
130	83.5	65.0	97.6	





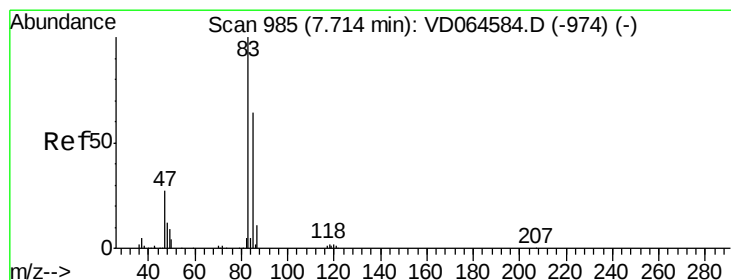
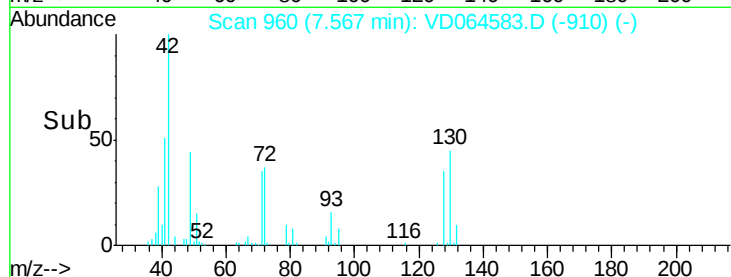
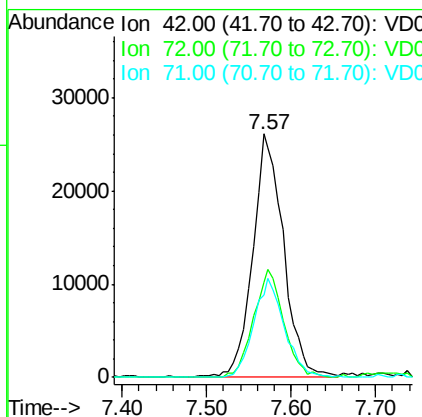
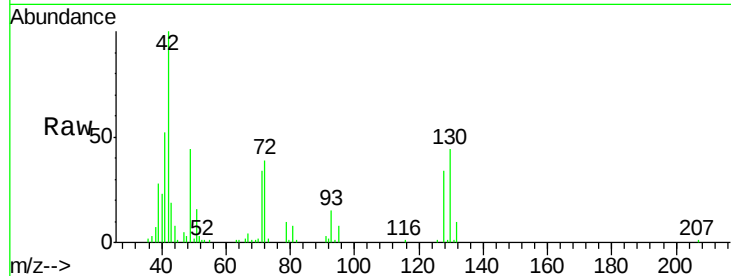
#29
Tetrahydrofuran
Concen: 92.114 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	35.0	52.4
71	40.2	32.9	49.3

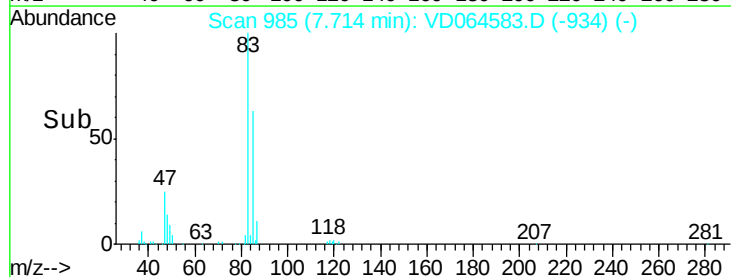
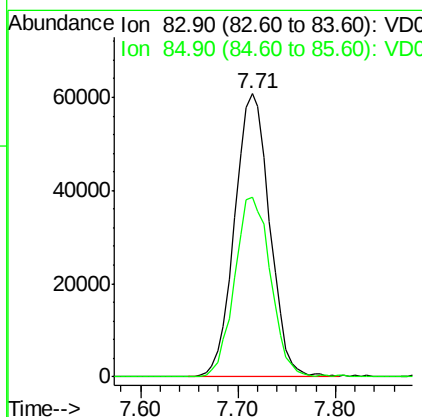
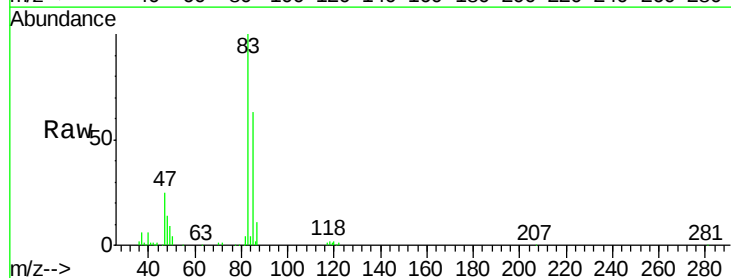
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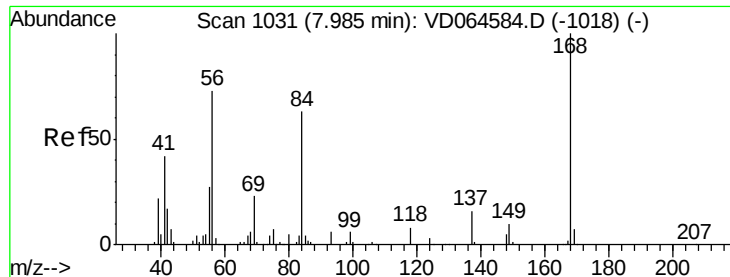
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#30
Chloroform
Concen: 19.918 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.1	76.7





#31

Cyclohexane

Concen: 19.717 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 142814

Ion Ratio Lower Upper

56 100

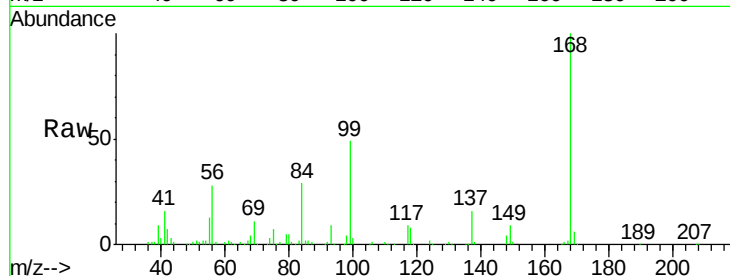
69 38.4 24.7 37.1#

84 101.2 69.4 104.2

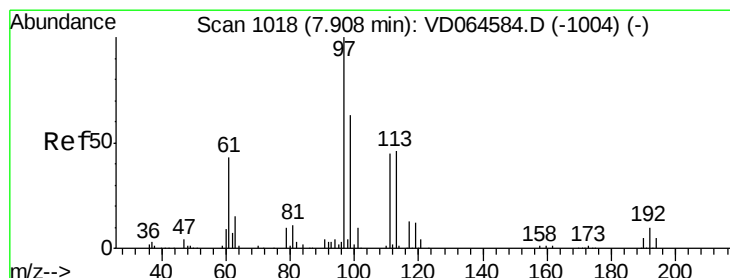
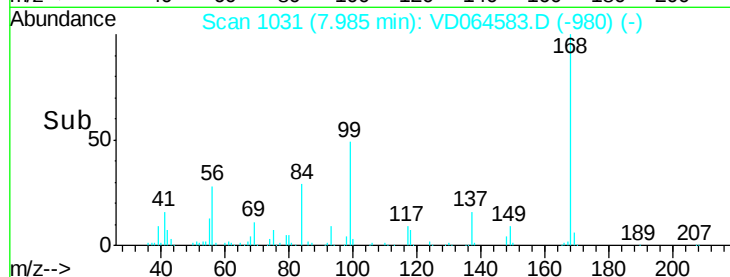
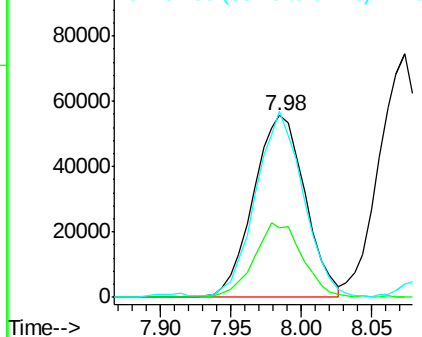
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.183 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

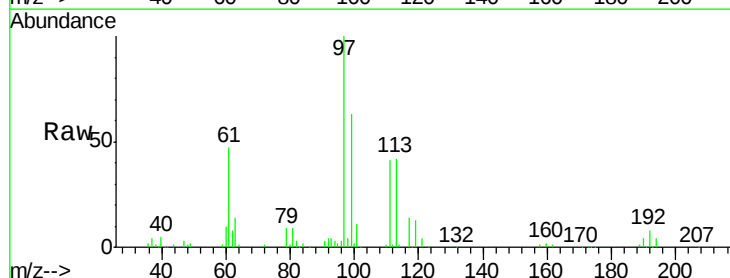
Tgt Ion: 97 Resp: 143072

Ion Ratio Lower Upper

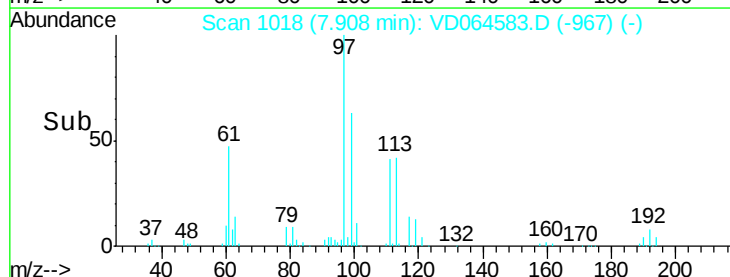
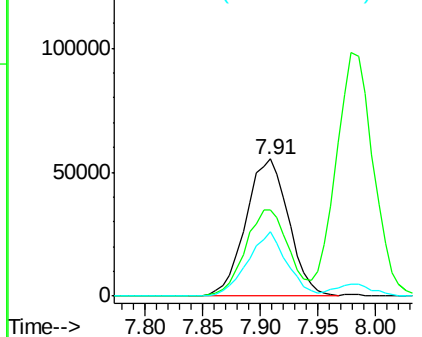
97 100

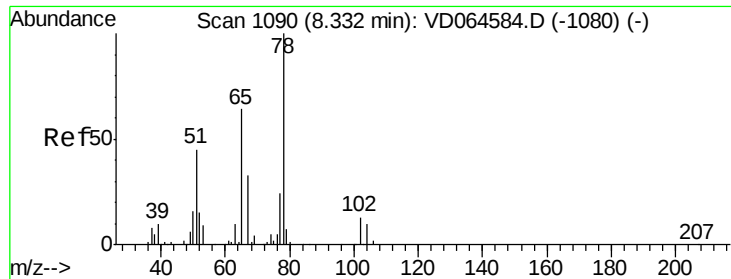
99 64.0 51.0 76.6

61 42.9 35.4 53.0



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





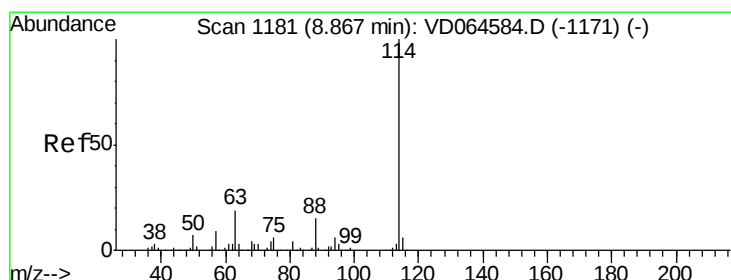
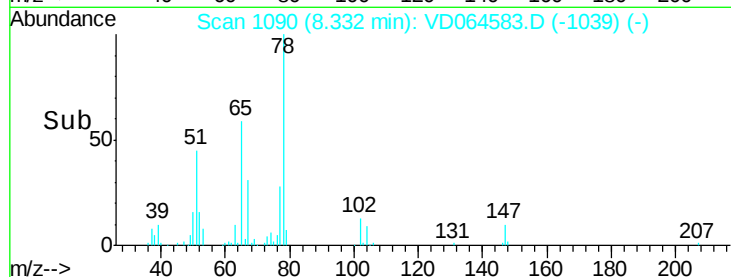
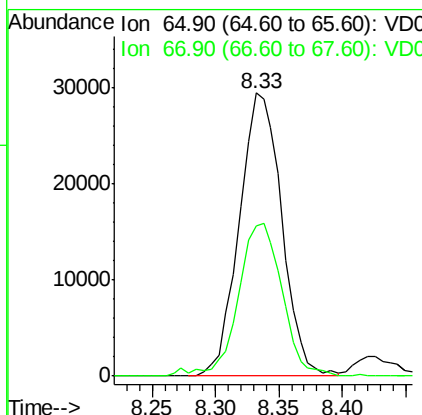
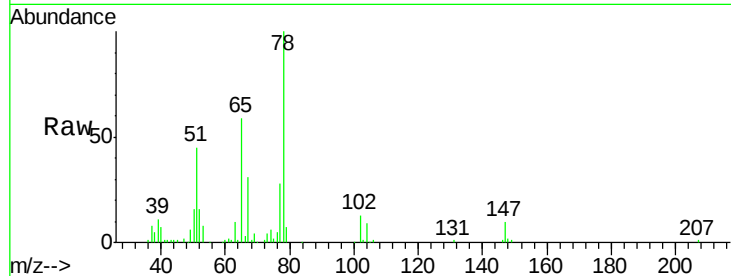
#33
 1,2-Dichloroethane-d4
 Concen: 17.102 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.2	0.0	106.2

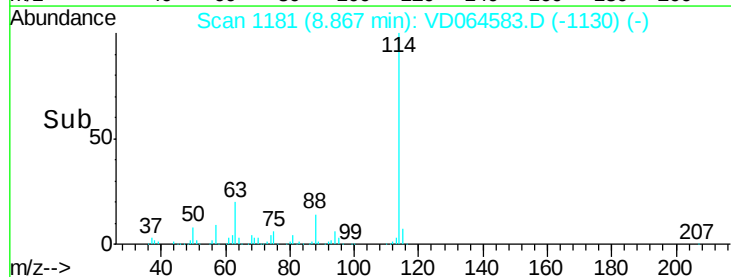
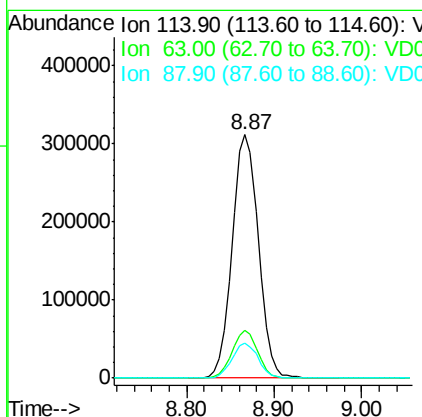
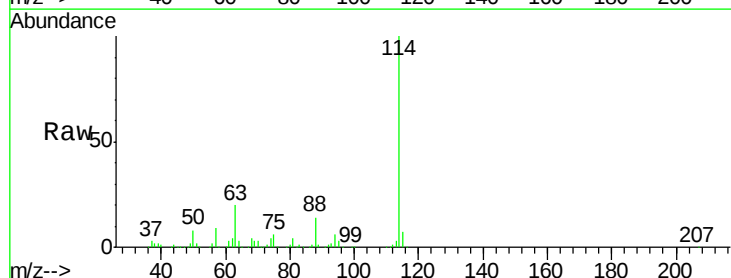
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.0
88	14.2	0.0	29.2





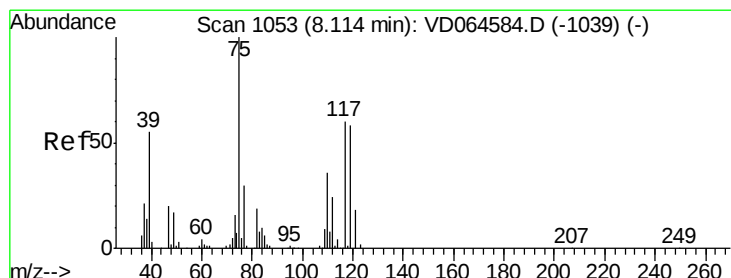
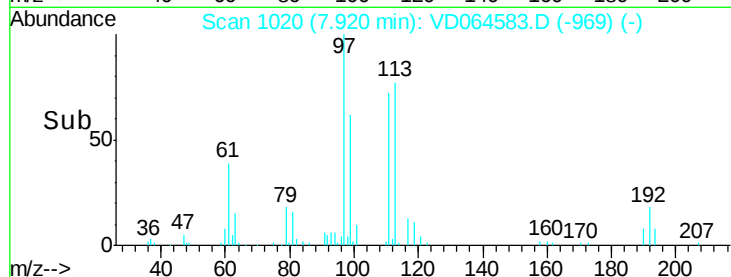
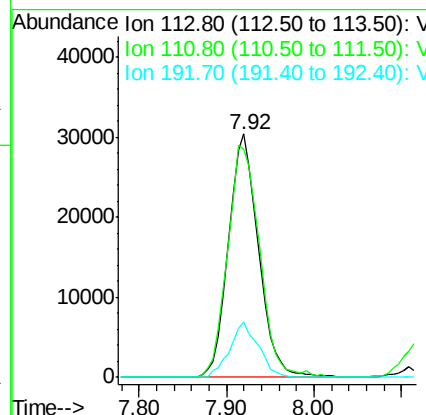
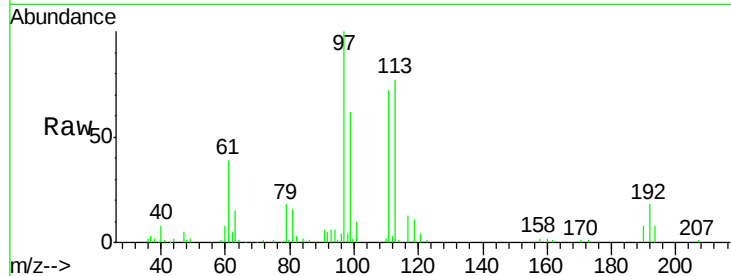
#35
 Dibromofluoromethane
 Concen: 17.917 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	80.6	121.0
192	21.5	17.9	26.9

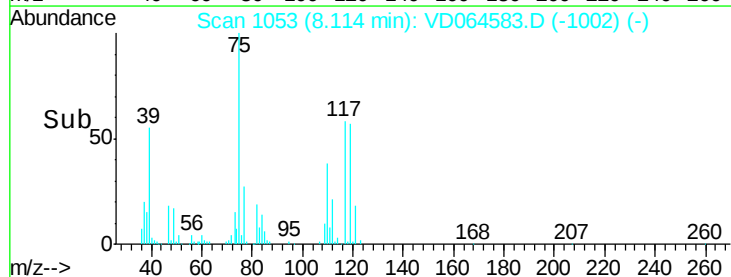
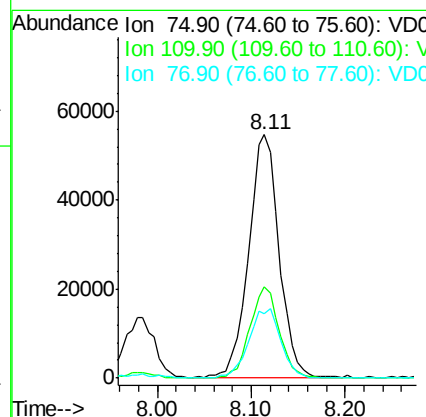
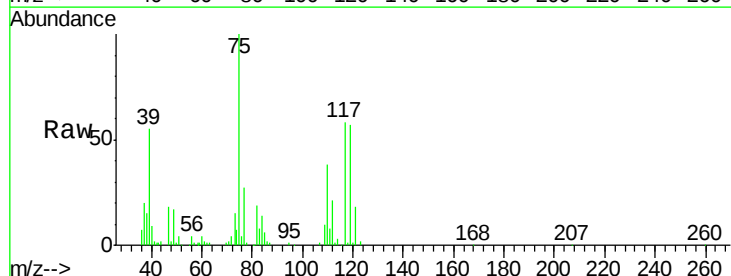
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#36
 1,1-Dichloropropene
 Concen: 20.446 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	18.1	54.1
77	30.2	24.2	36.4





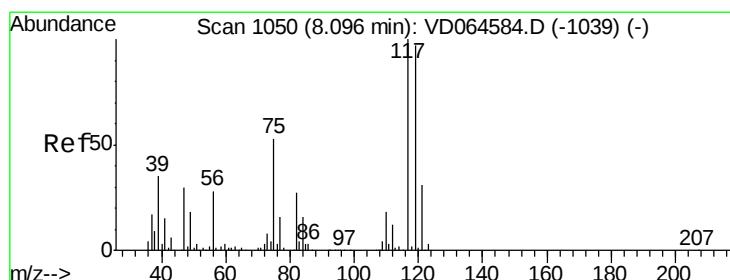
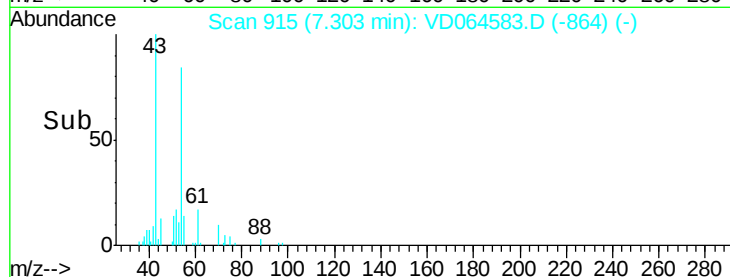
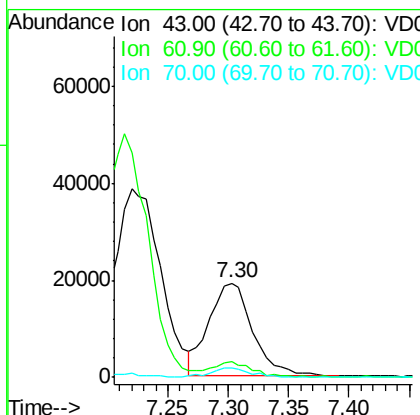
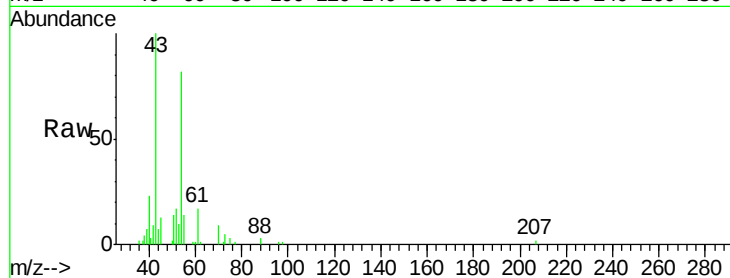
#37
Ethyl Acetate
Concen: 18.966 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.3	15.5
70	9.3	7.6	11.4

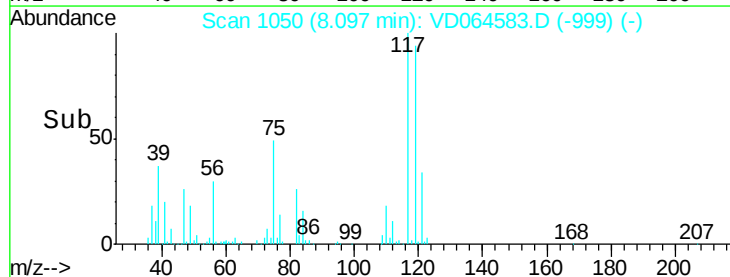
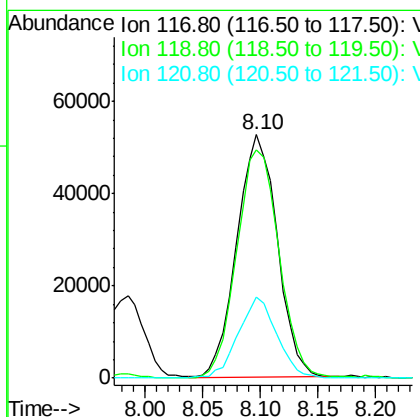
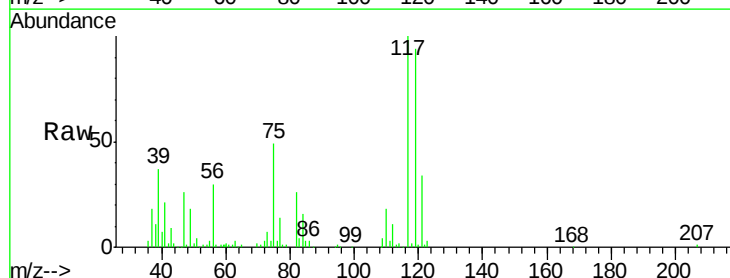
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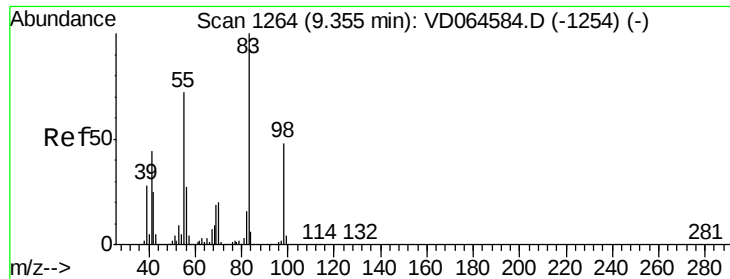
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#38
Carbon Tetrachloride
Concen: 20.196 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.3	115.9
121	33.3	25.0	37.6





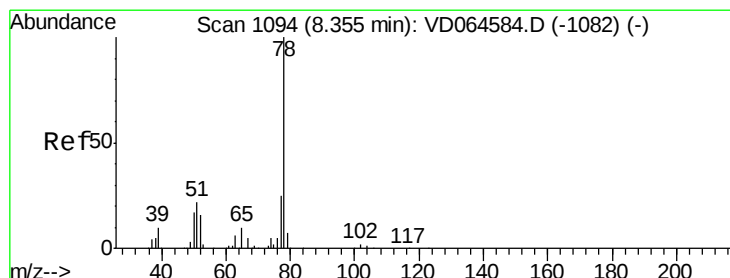
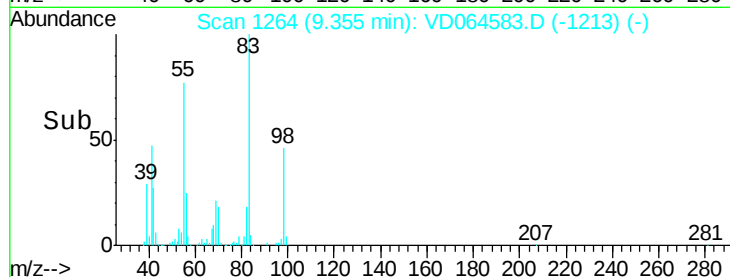
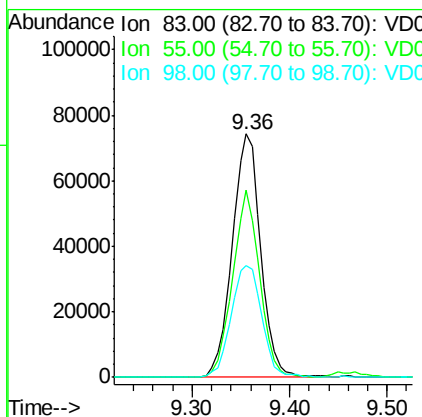
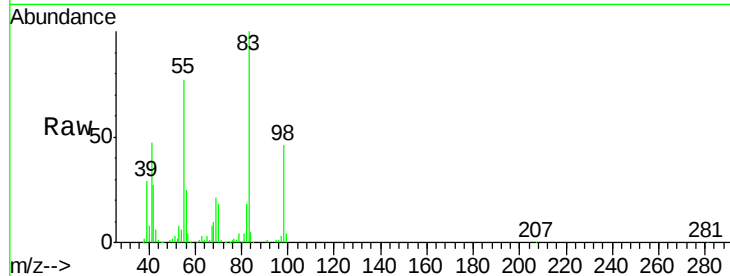
#39
Methvlcvclohexane
Concen: 20.306 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.7	57.8	86.6
98	45.8	38.7	58.1

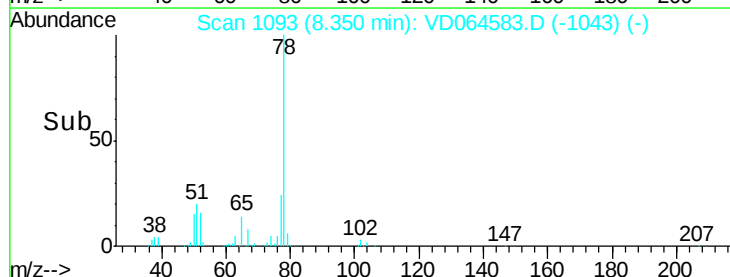
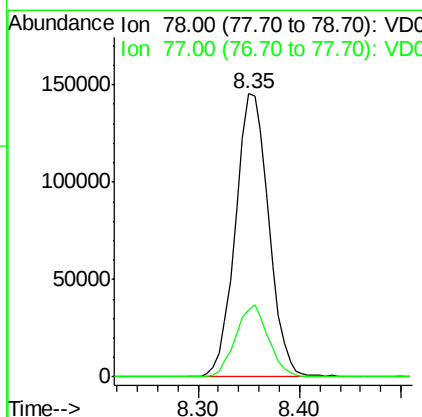
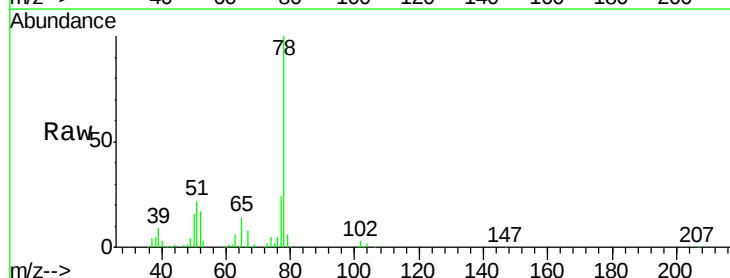
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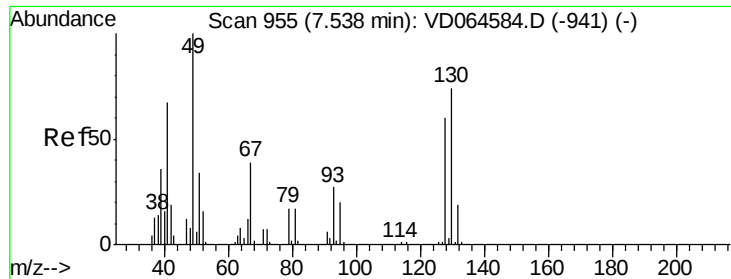
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#40
Benzene
Concen: 20.050 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.9	29.9





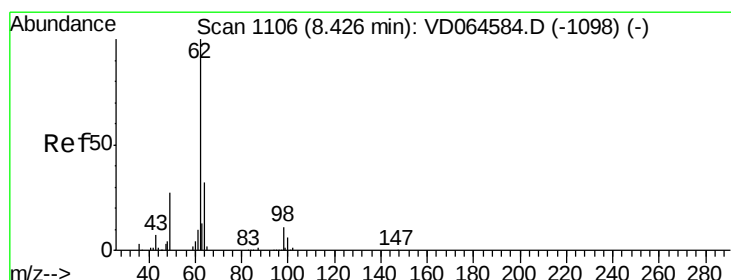
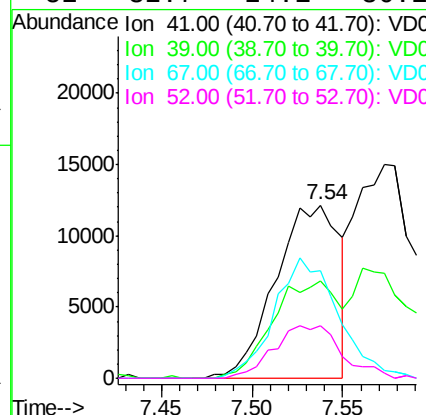
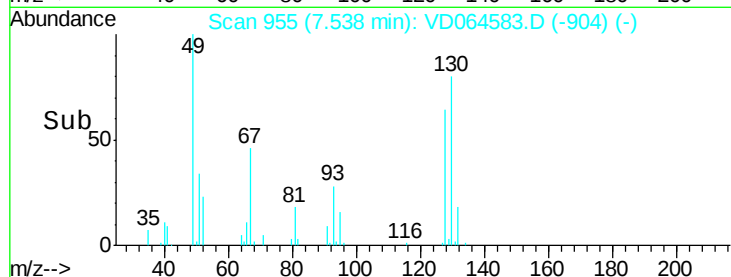
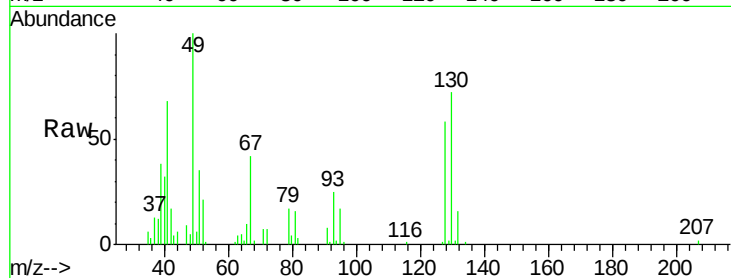
#41
Methacrylonitrile
Concen: 20.923 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	41	Resp	29890
Ion	Ratio	Lower	Upper
41	100		
39	57.6	46.7	70.1
67	69.6	52.5	78.7
52	32.7	24.1	36.1

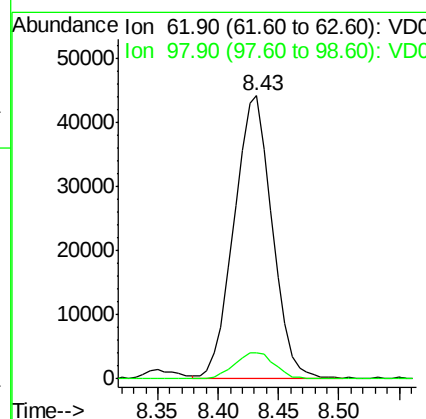
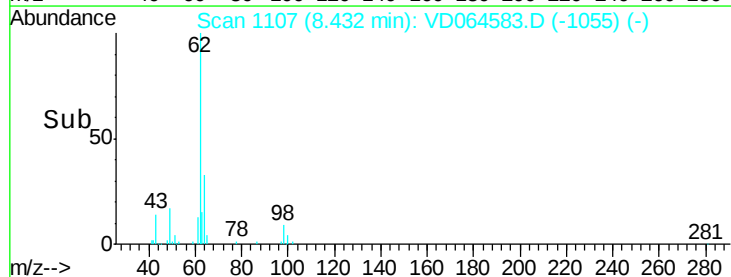
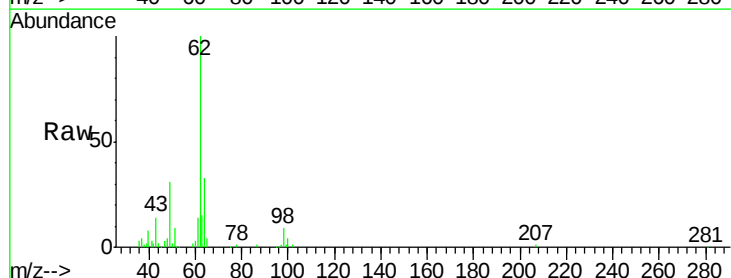
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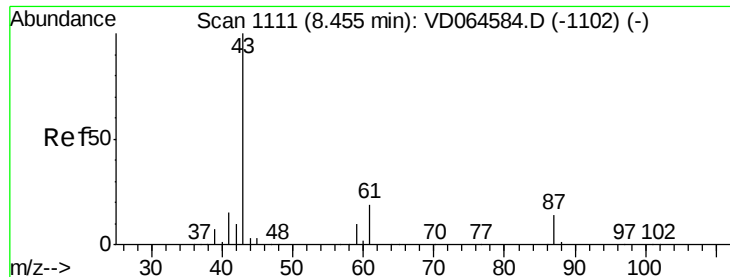
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#42
1,2-Dichloroethane
Concen: 20.097 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	62	Resp	97193
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.0





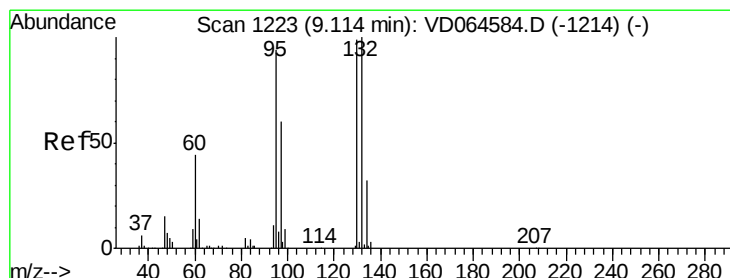
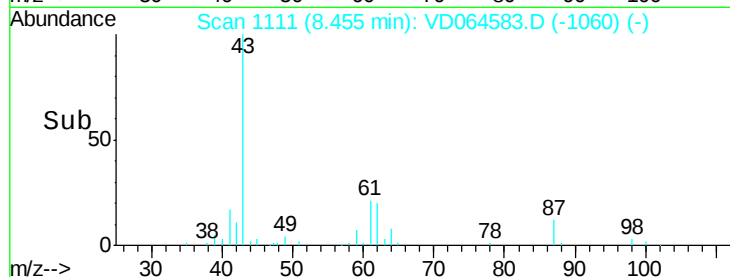
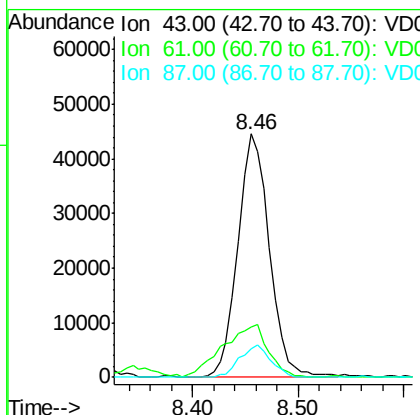
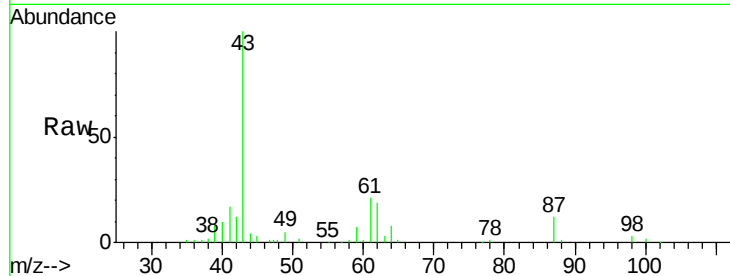
#43
Isopropyl Acetate
Concen: 18.691 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.2	23.7	35.5
87	13.2	10.5	15.7

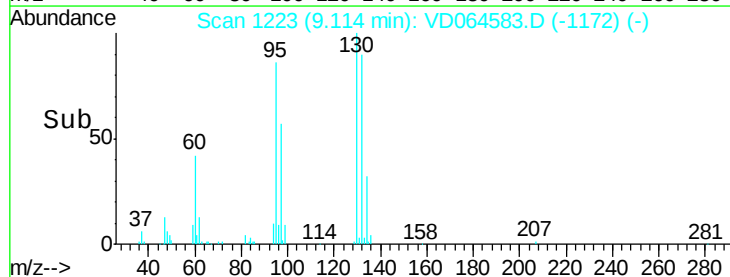
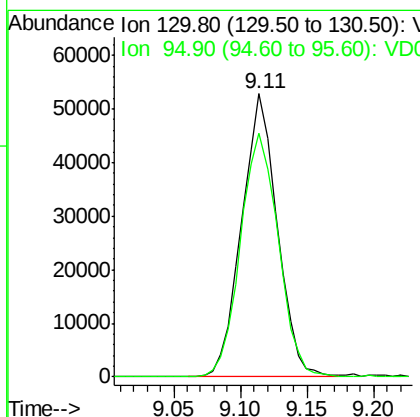
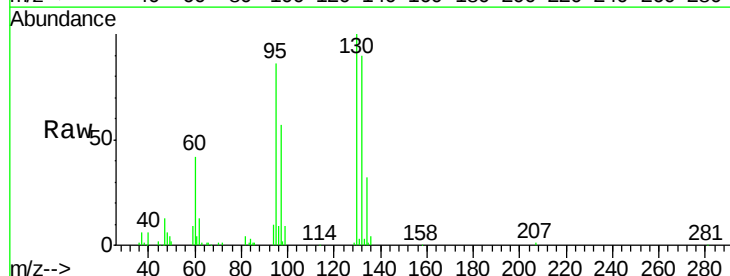
Manual Integrations
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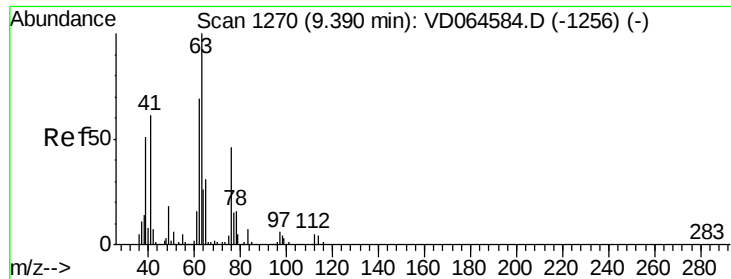
apatel
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#44
Trichloroethene
Concen: 19.503 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.0	0.0	190.2





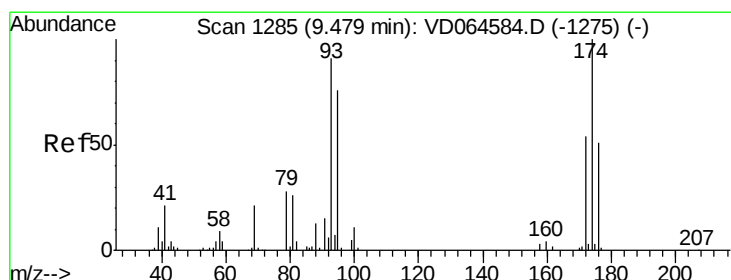
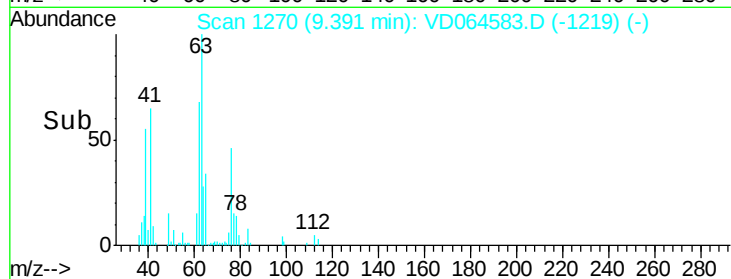
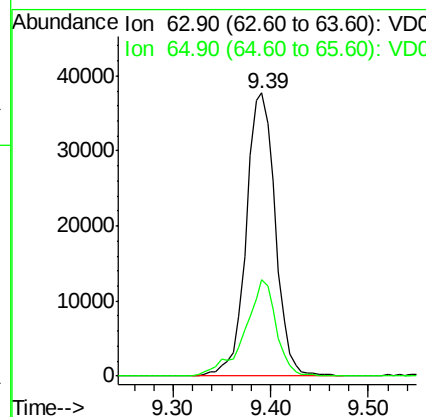
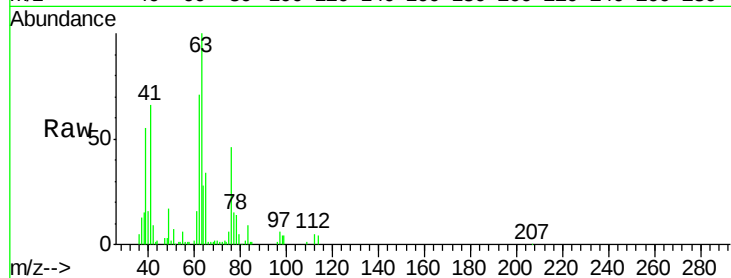
#45
 1,2-Dichloropropane
 Concen: 19.928 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 63 Resp: 78738
 Ion Ratio Lower Upper
 63 100
 65 34.2 25.2 37.8

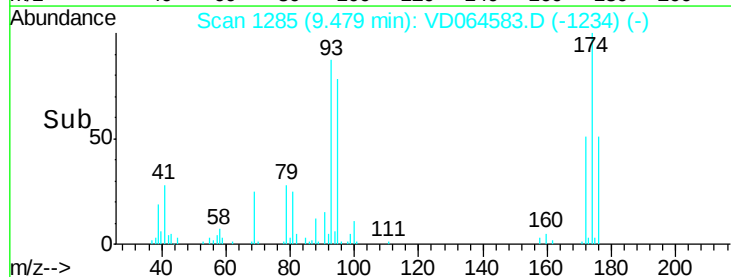
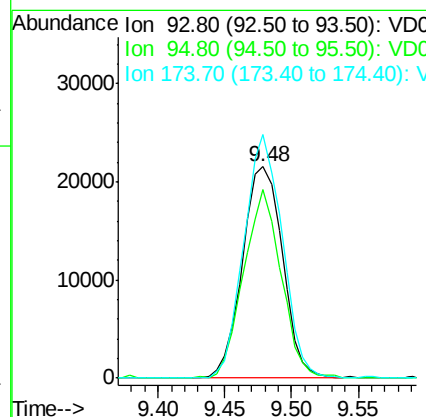
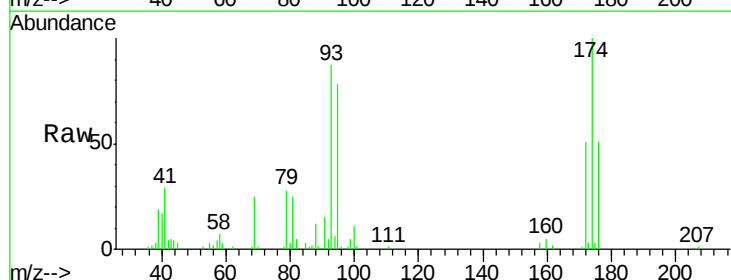
Manual Integrations
 APPROVED

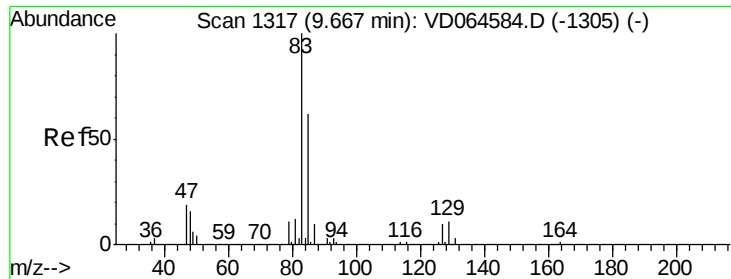
apatel
 12/26/2019 11:13:53 AM



#46
 Dibromomethane
 Concen: 20.074 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion: 93 Resp: 44918
 Ion Ratio Lower Upper
 93 100
 95 83.1 64.6 97.0
 174 109.7 88.1 132.1





#47

Bromodichloromethane

Concen: 20.475 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

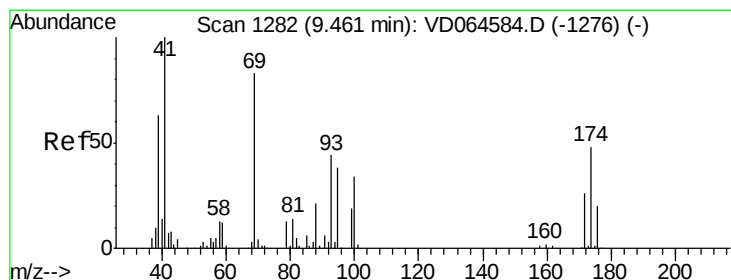
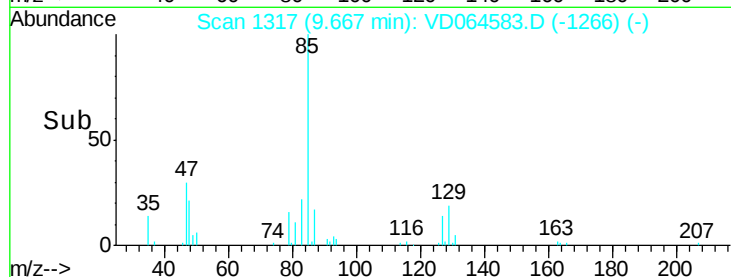
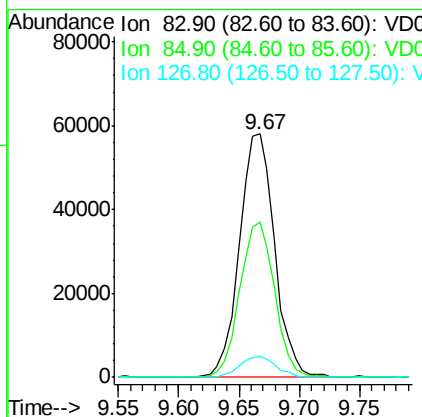
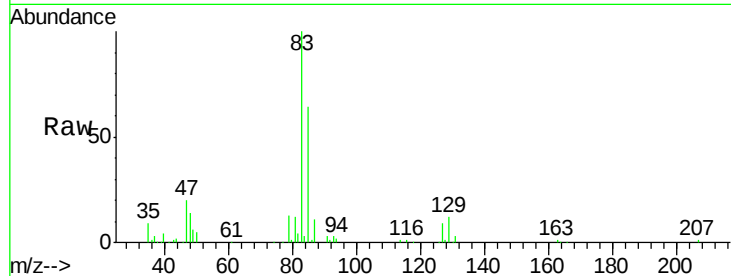
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	117910
Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.5	74.3
127	8.8	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.192 ug/l

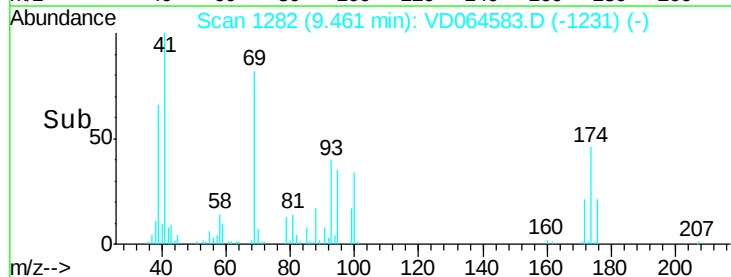
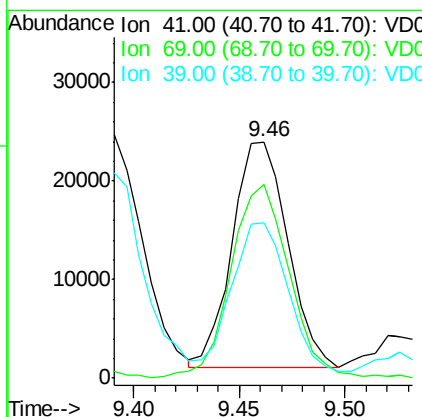
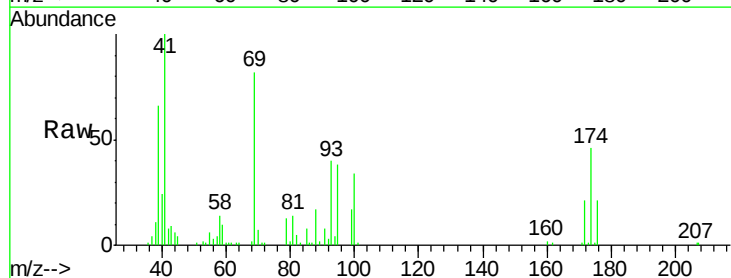
RT: 9.46 min Scan# 1282

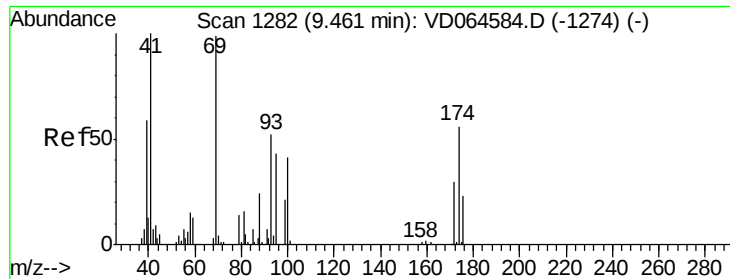
Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Tgt Ion:	41	Resp:	41779
Ion	Ratio	Lower	Upper
41	100		
69	90.8	63.0	94.6
39	66.5	47.4	71.2





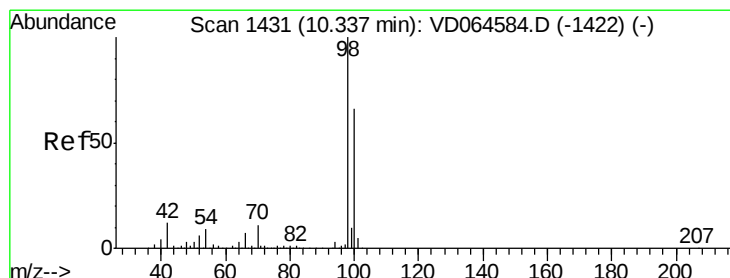
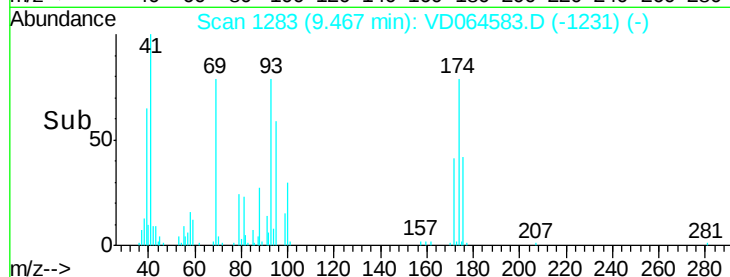
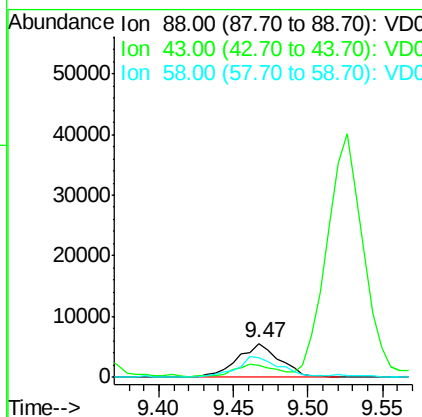
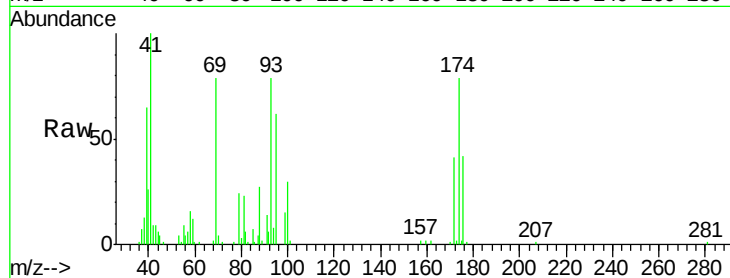
#49
1,4-Dioxane
Concen: 391.757 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	88	Resp	10759
Ion	Ratio	Lower	Upper
88	100		
43	33.2	27.7	41.5
58	62.4	53.8	80.6

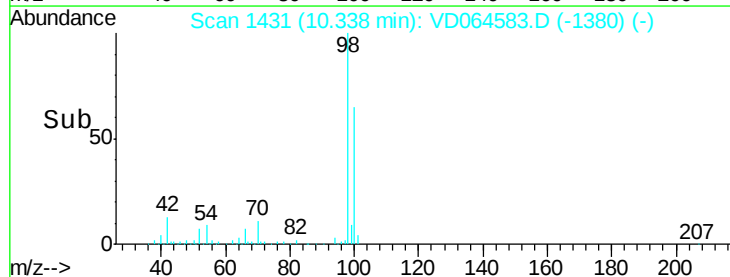
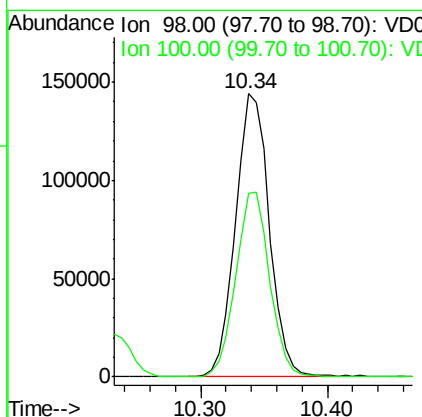
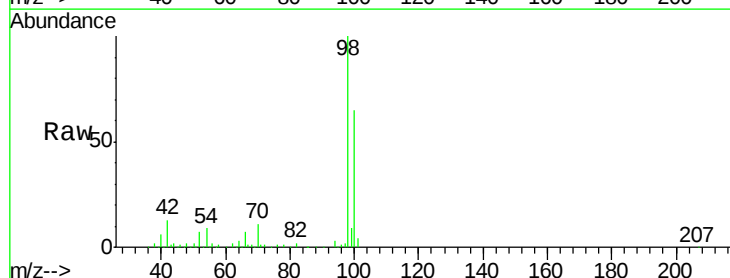
Manual Integrations
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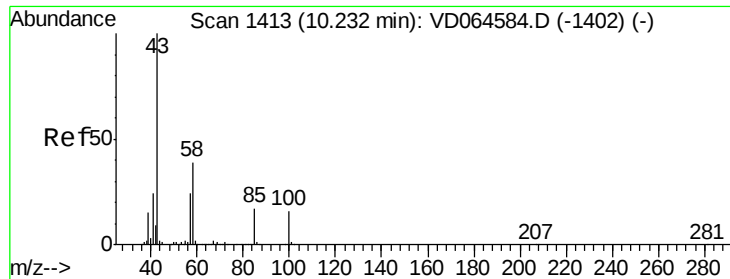
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#50
Toluene-d8
Concen: 17.608 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	98	Resp	265757
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 95.110 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 233117

Ion Ratio Lower Upper

43 100

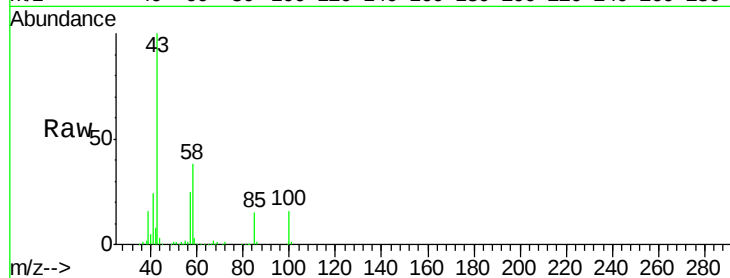
58 38.4 30.2 45.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

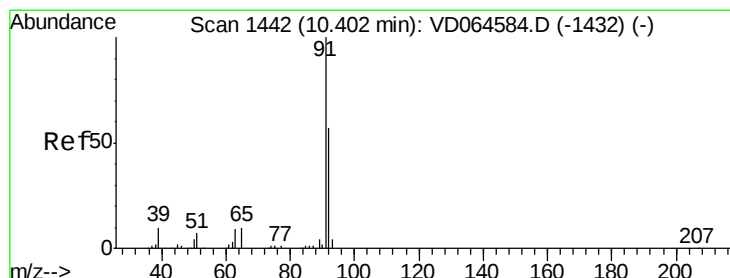
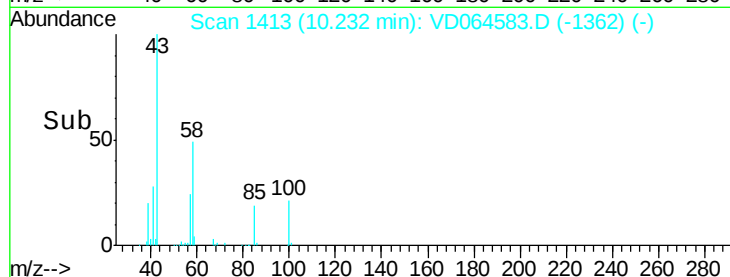
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 19.841 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064583.D

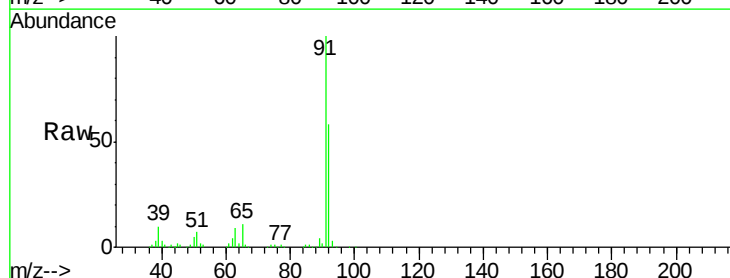
Acq: 24 Dec 2019 11:18

Tgt Ion: 92 Resp: 215271

Ion Ratio Lower Upper

92 100

91 172.0 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.40

200000

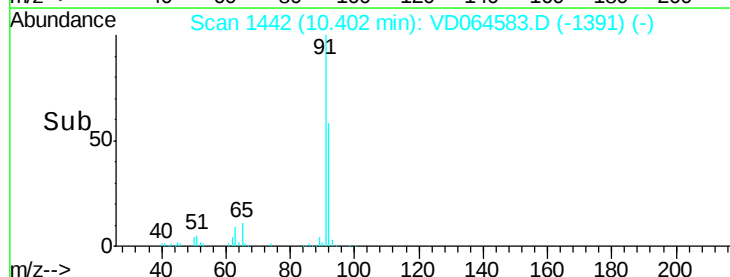
150000

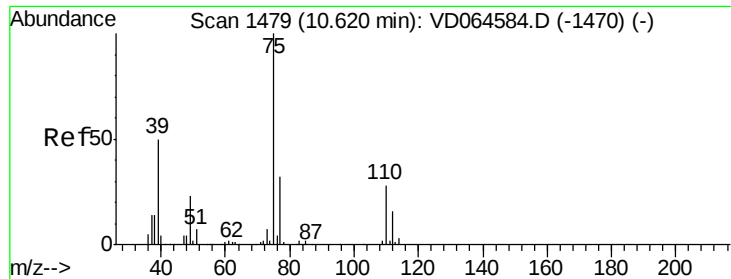
100000

50000

0

Time--> 10.35 10.40 10.45





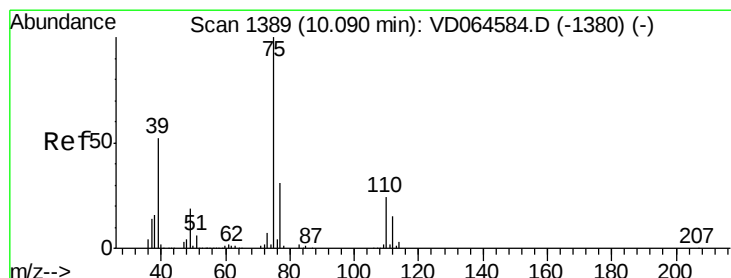
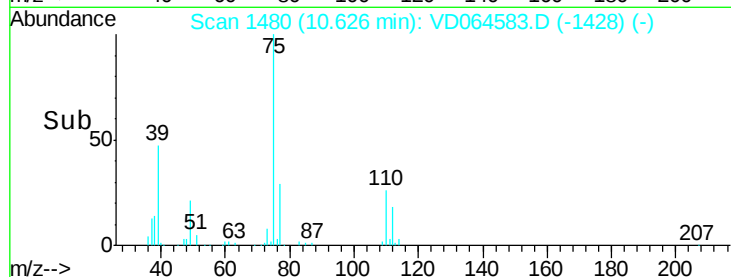
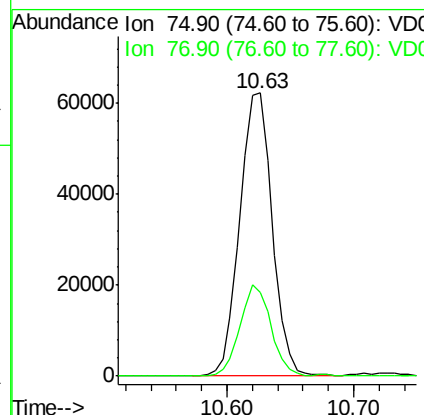
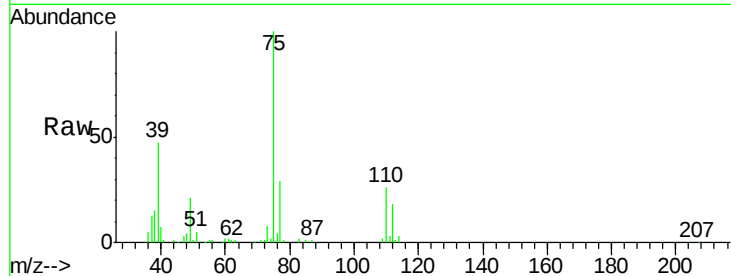
#53
 t-1,3-Dichloropropene
 Concen: 20.185 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.4	25.4	38.2

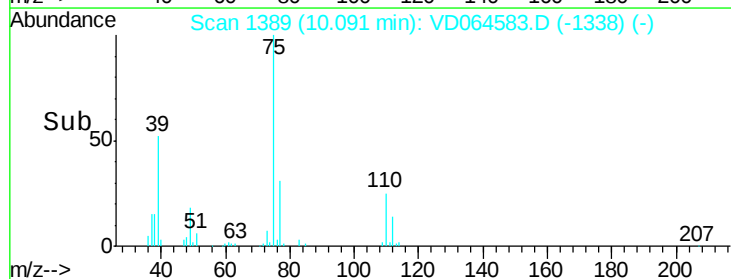
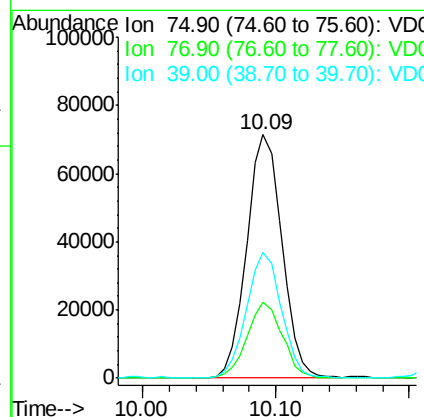
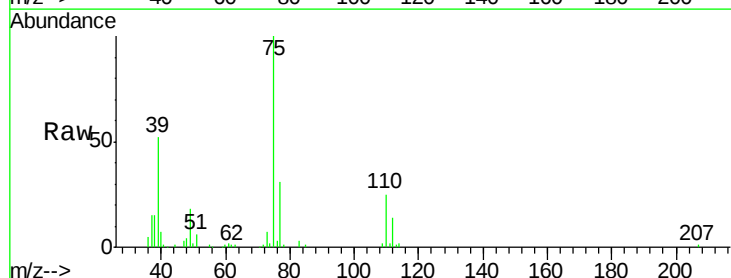
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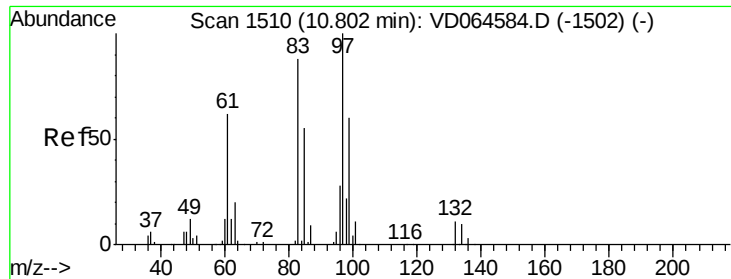
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#54
 cis-1,3-Dichloropropene
 Concen: 20.006 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.6	36.8
39	51.8	41.4	62.2





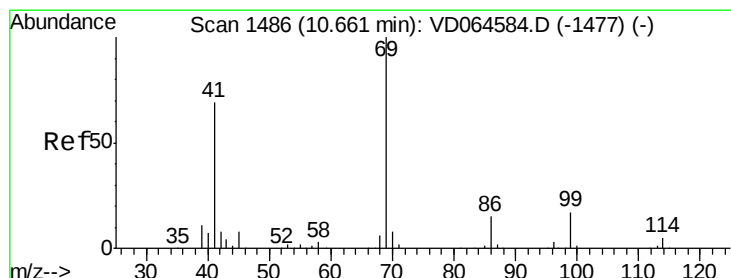
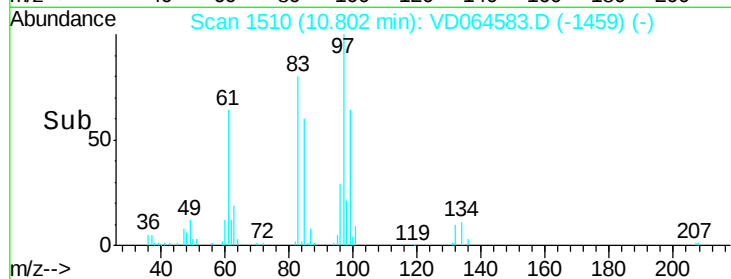
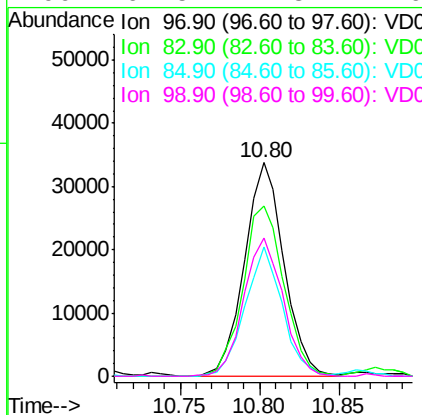
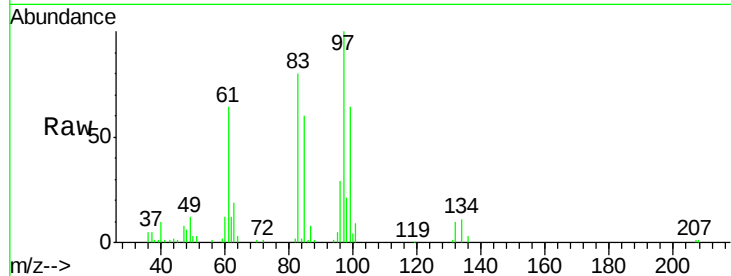
#55
 1,1,2-Trichloroethane
 Concen: 19.194 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.0	70.2	105.4
85	60.3	44.0	66.0
99	64.5	47.8	71.6

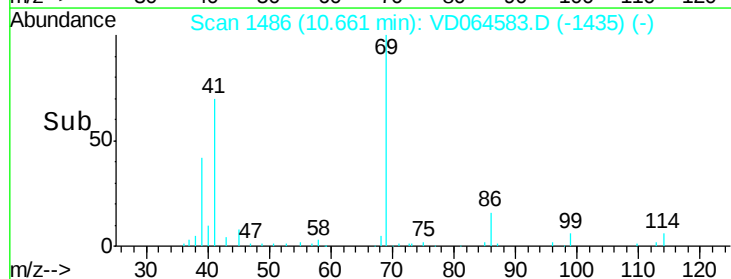
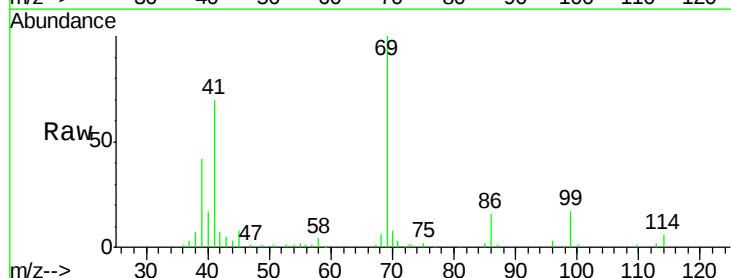
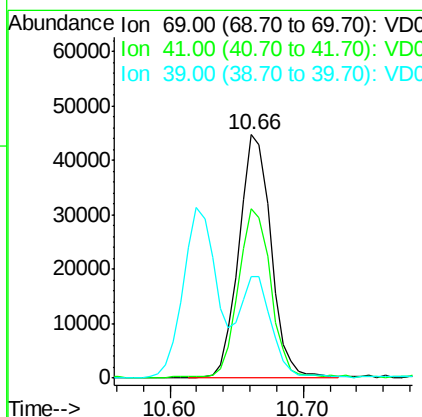
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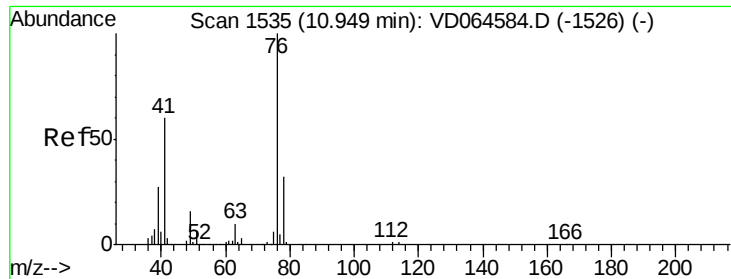
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#56
 Ethyl methacrylate
 Concen: 19.229 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.0	55.3	82.9
39	42.3	33.8	50.8





#57

1,3-Dichloropropane

Concen: 19.685 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 102612

Ion Ratio Lower Upper

76 100

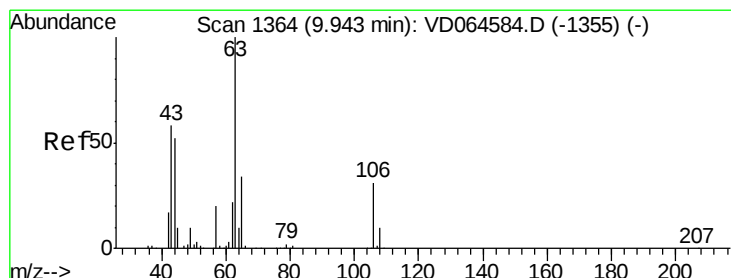
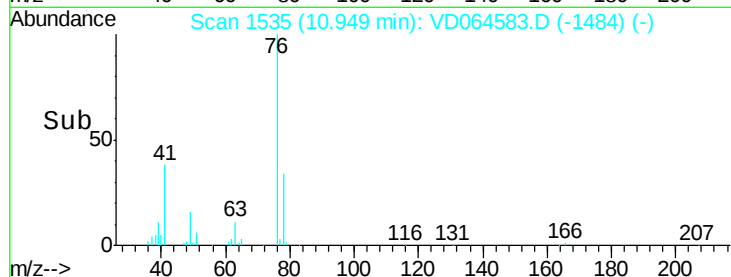
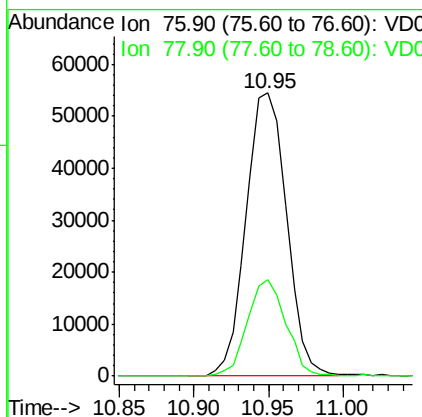
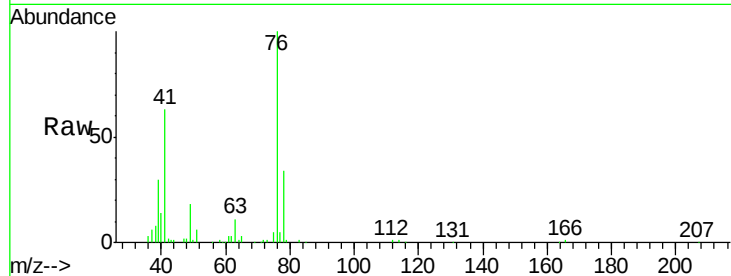
78 32.2 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 94.438 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064583.D

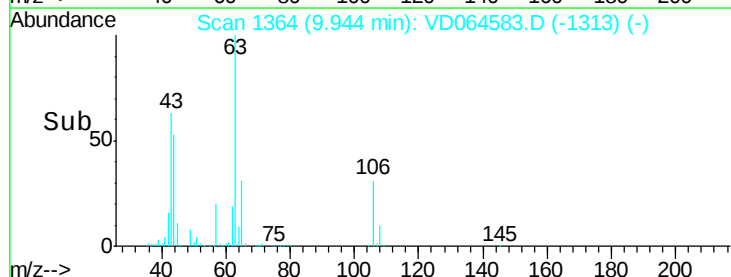
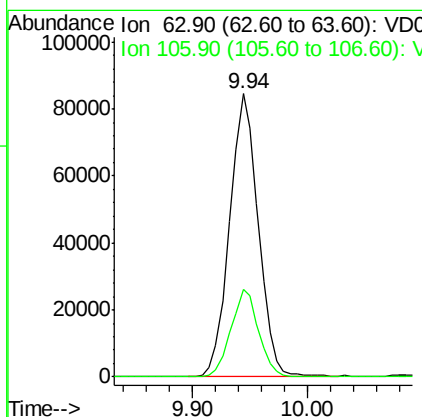
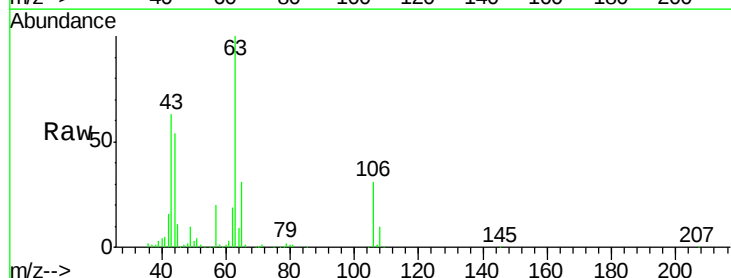
Acq: 24 Dec 2019 11:18

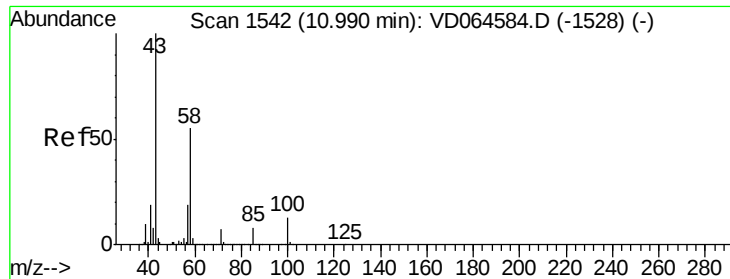
Tgt Ion: 63 Resp: 145388

Ion Ratio Lower Upper

63 100

106 29.8 23.8 35.8





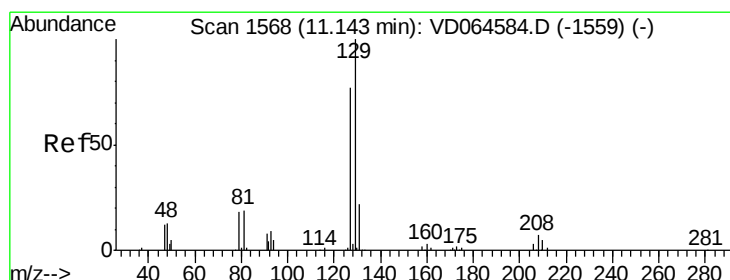
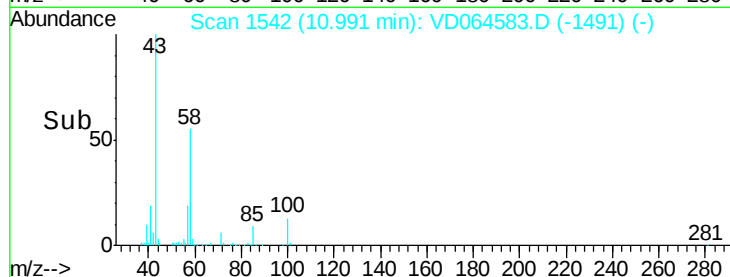
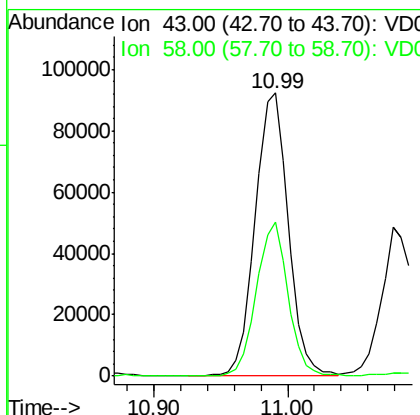
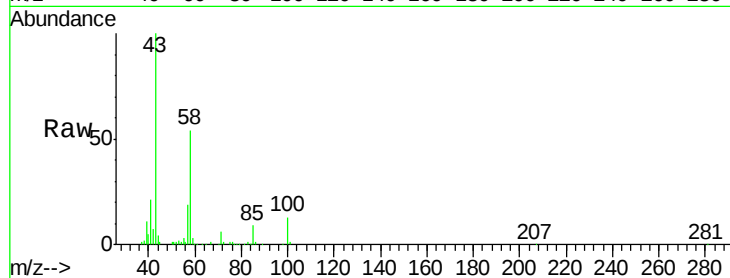
#59
2-Hexanone
Concen: 93.099 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 158336
Ion Ratio Lower Upper
43 100
58 52.2 26.4 79.0

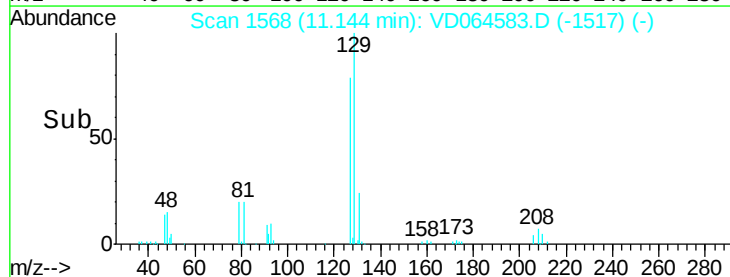
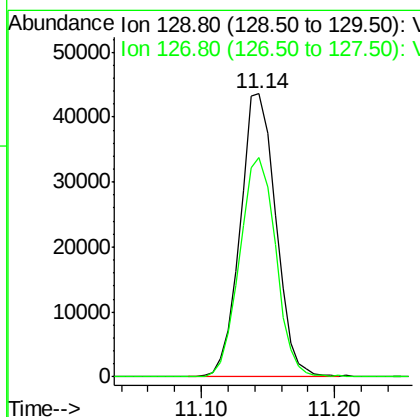
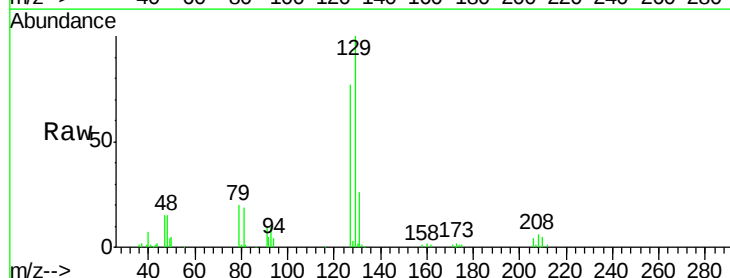
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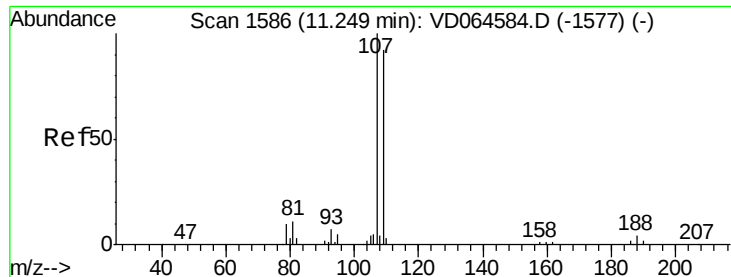
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#60
Dibromochloromethane
Concen: 19.406 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 129 Resp: 80610
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.2





#61

1,2-Dibromoethane

Concen: 19.436 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 59265

Ion Ratio Lower Upper

107 100

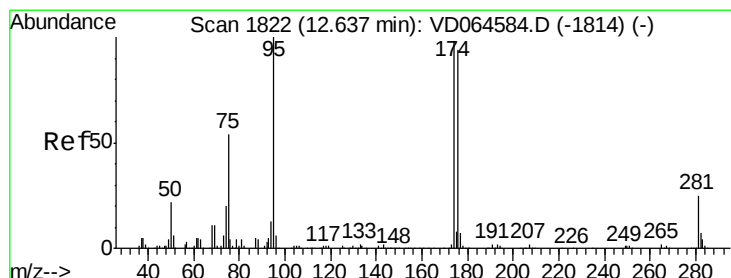
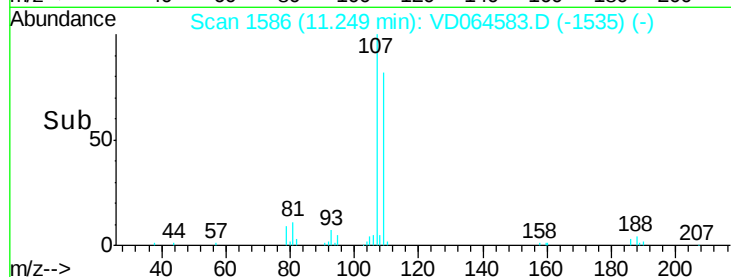
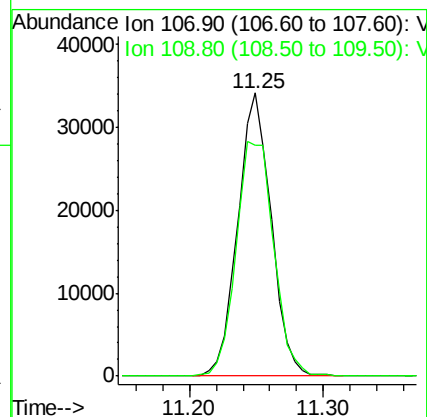
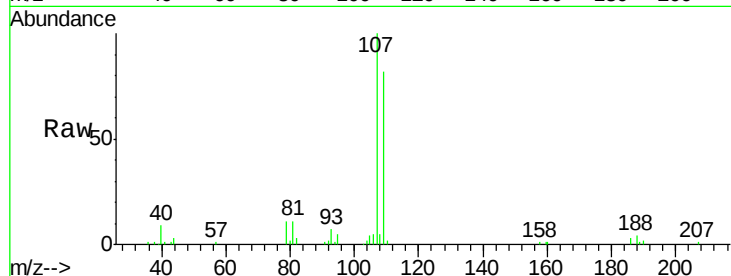
109 93.5 75.6 113.4

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#62

4-Bromofluorobenzene

Concen: 17.308 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

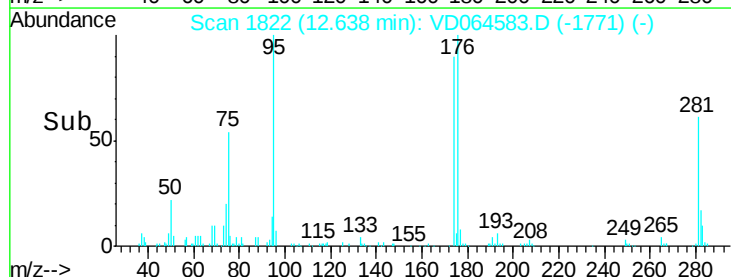
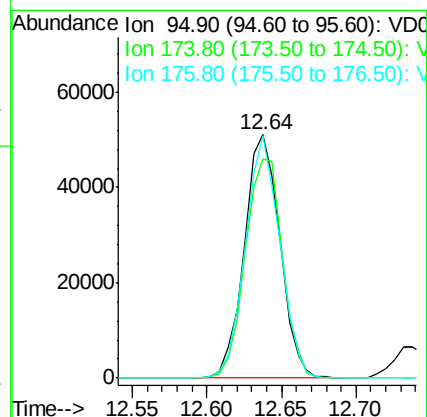
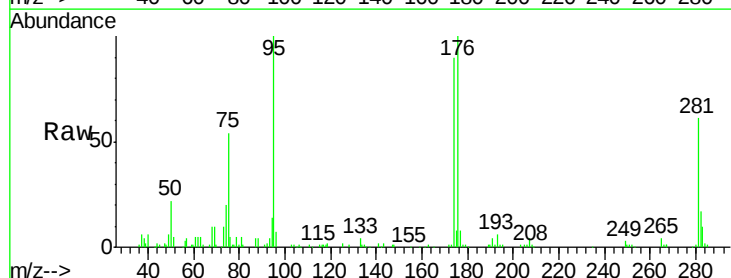
Tgt Ion: 95 Resp: 84107

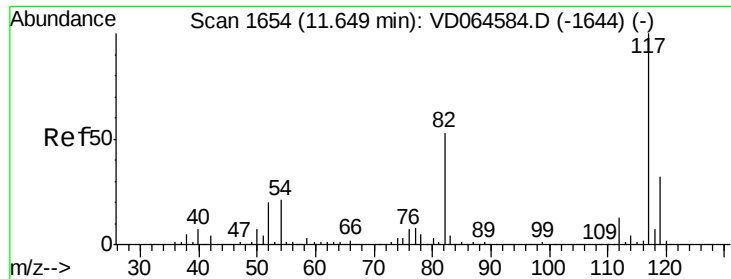
Ion Ratio Lower Upper

95 100

174 94.5 0.0 193.2

176 96.8 0.0 184.2





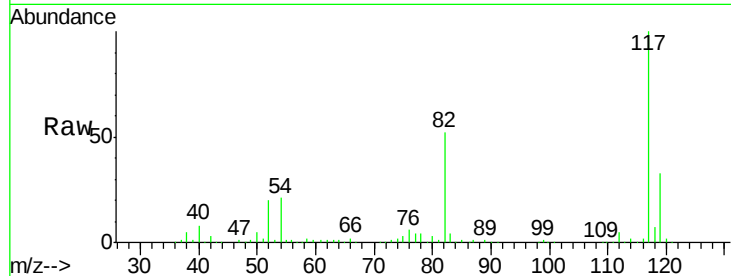
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.5	42.2	63.4
119	33.2	26.0	39.0

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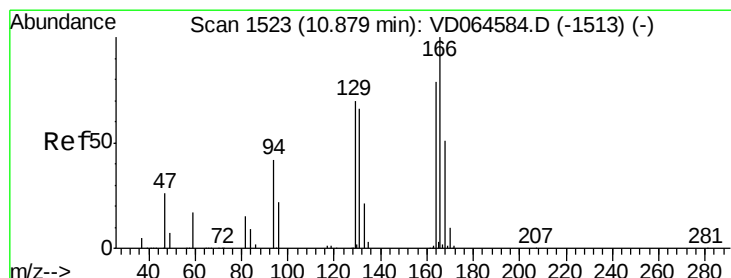
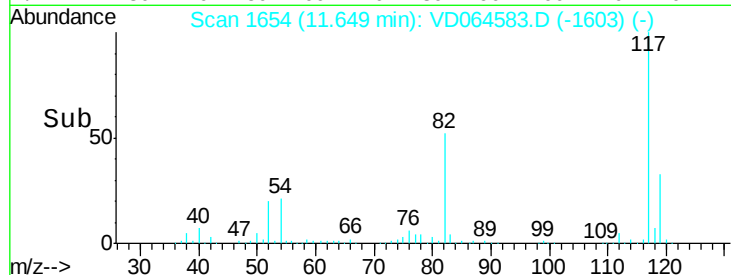
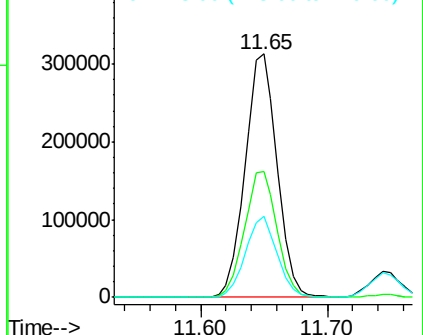


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 20.580 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.3	151.9
129	85.0	70.5	105.7
131	86.2	66.6	99.8

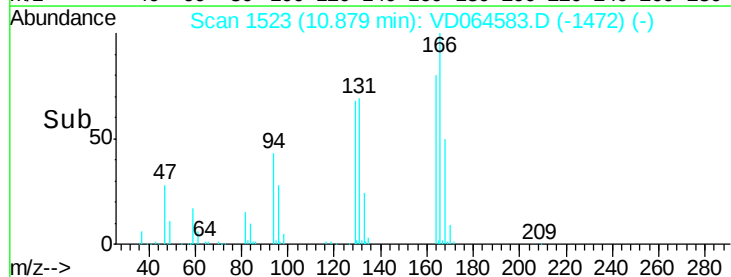
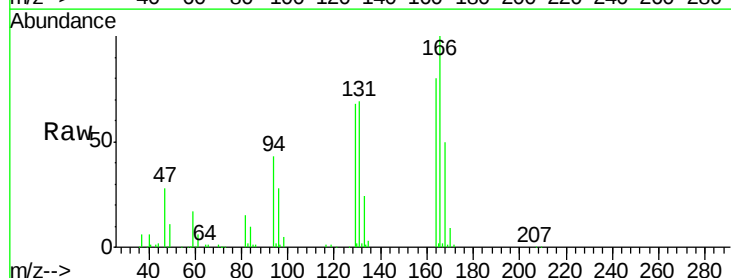
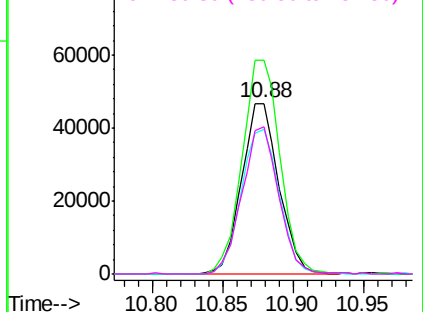
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





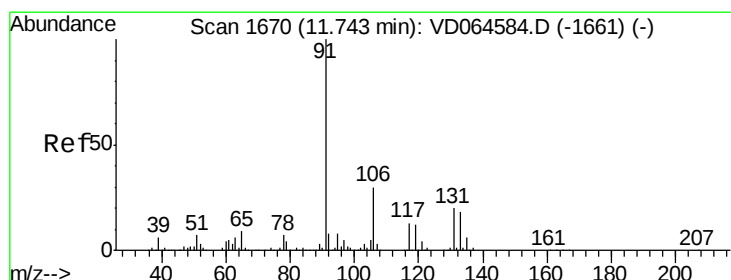
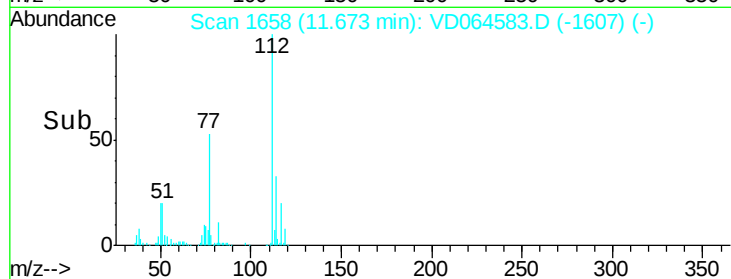
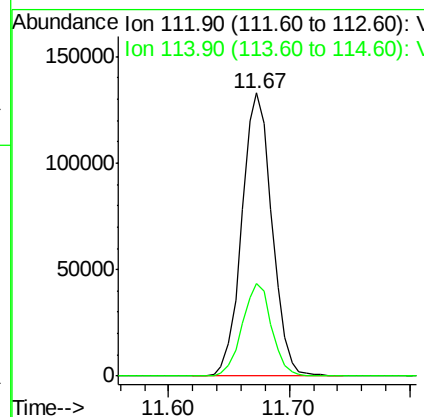
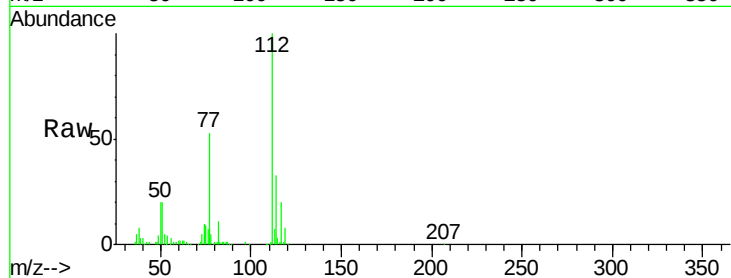
#65
Chlorobenzene
Concen: 20.123 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	24.8	37.2

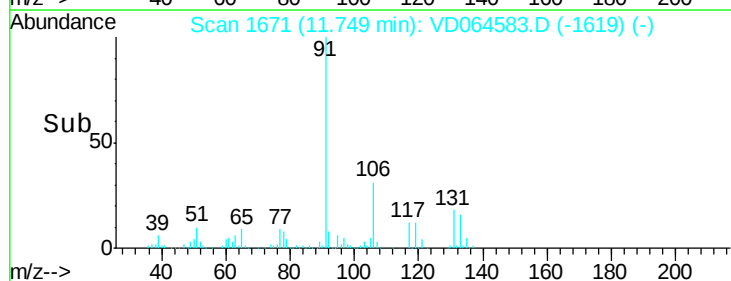
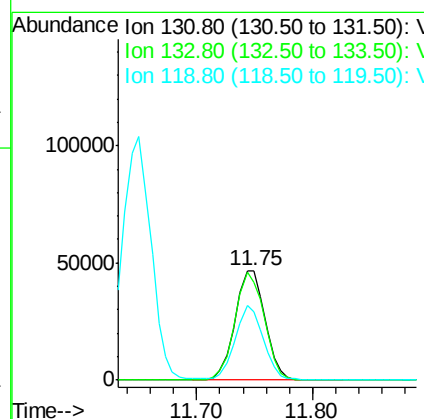
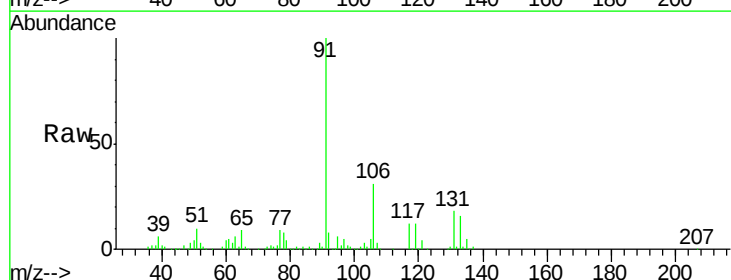
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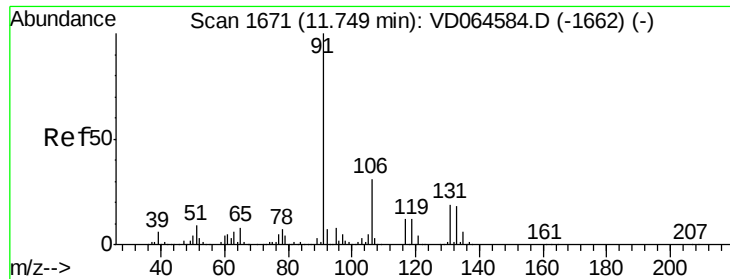
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.974 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.3	144.8
119	63.9	32.1	96.3





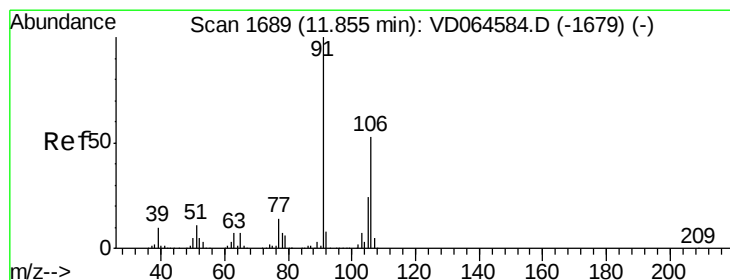
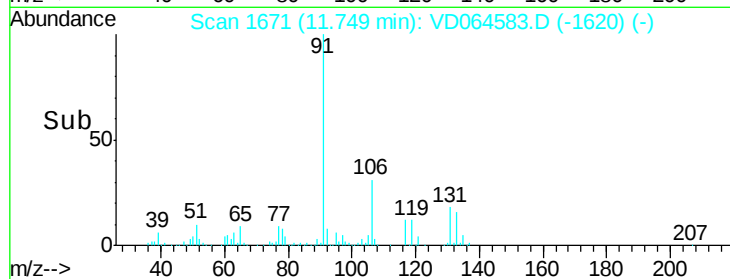
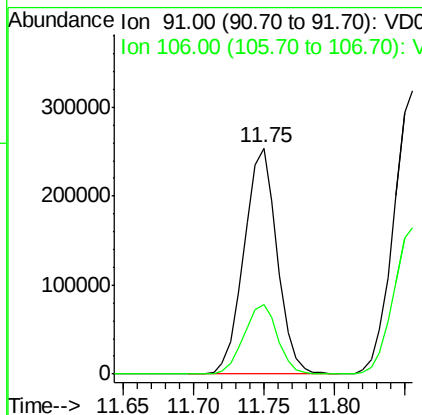
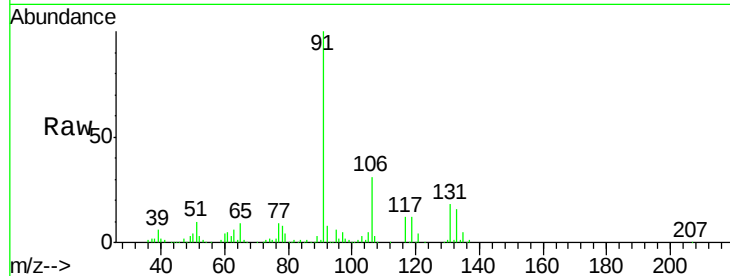
#67
Ethyl Benzene
Concen: 20.367 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 417492
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8

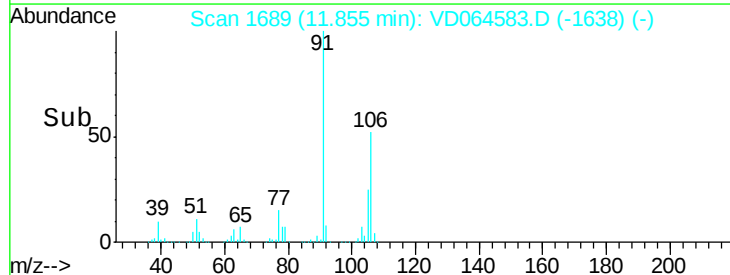
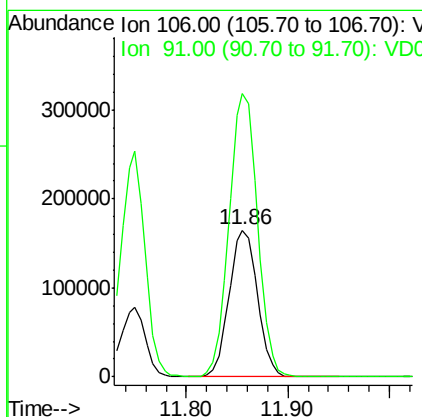
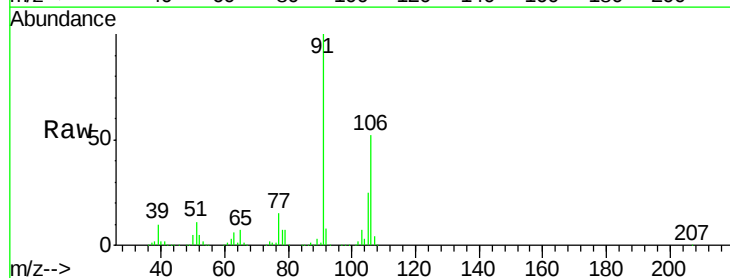
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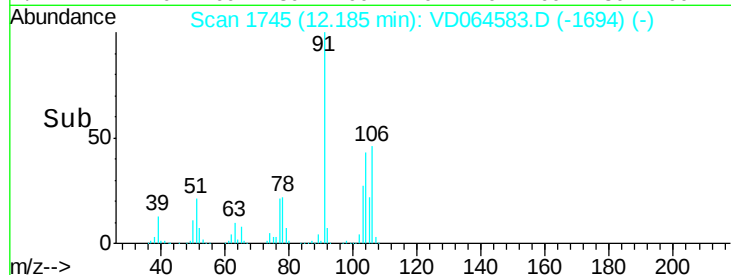
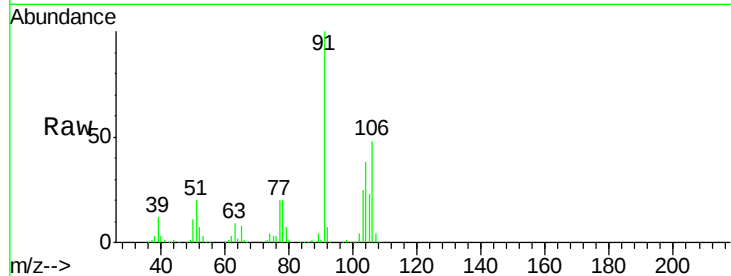
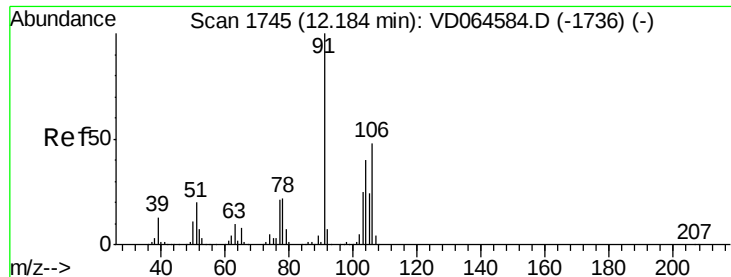
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#68
m/p-Xylenes
Concen: 40.770 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion: 106 Resp: 319539
Ion Ratio Lower Upper
106 100
91 193.4 156.3 234.5





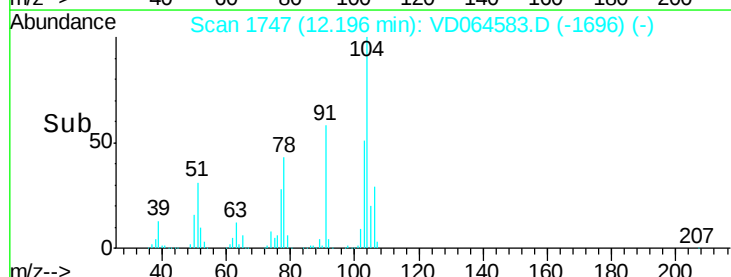
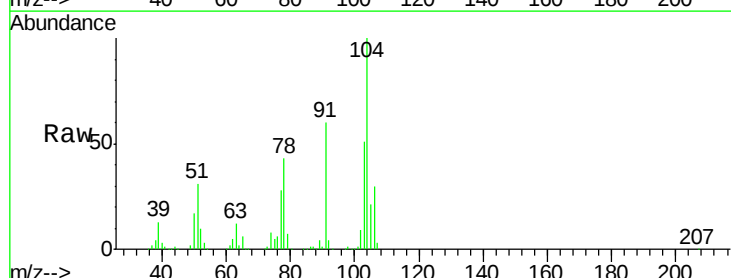
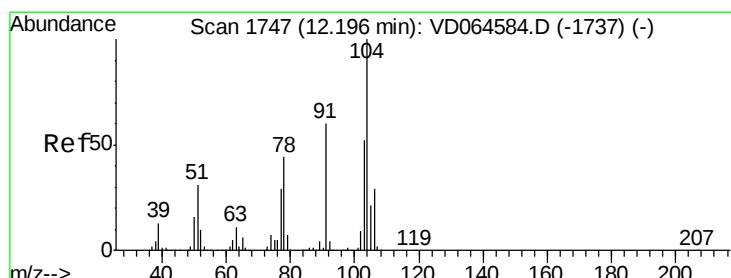
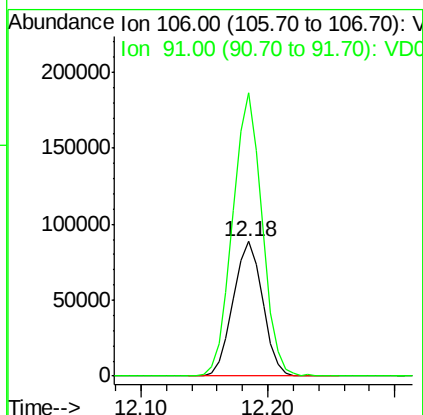
#69
o-Xylene
Concen: 19.942 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tot Ion:106 Resp: 143637
Ion Ratio Lower Upper
106 100
91 208.1 104.8 314.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

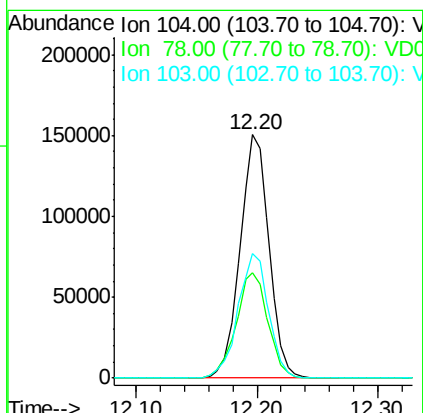
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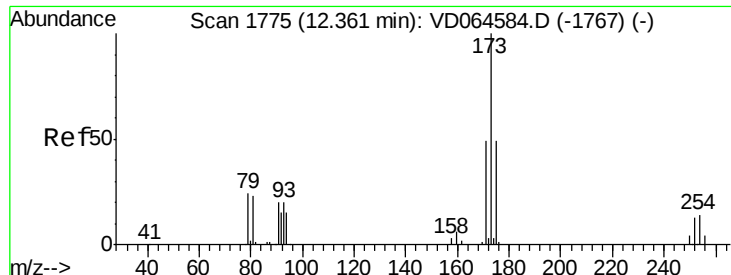
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#70
Styrene
Concen: 20.062 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion:104 Resp: 251630
Ion Ratio Lower Upper
104 100
78 47.3 38.2 57.2
103 54.1 44.6 67.0





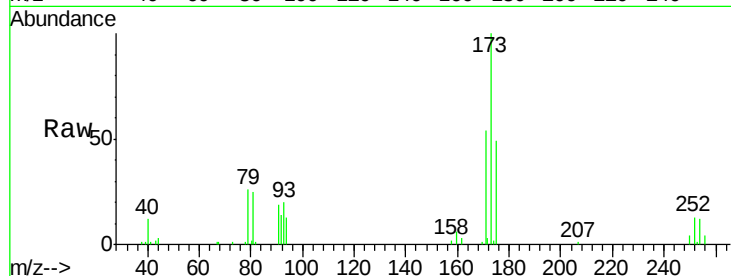
#71
Bromoform
Concen: 19.443 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

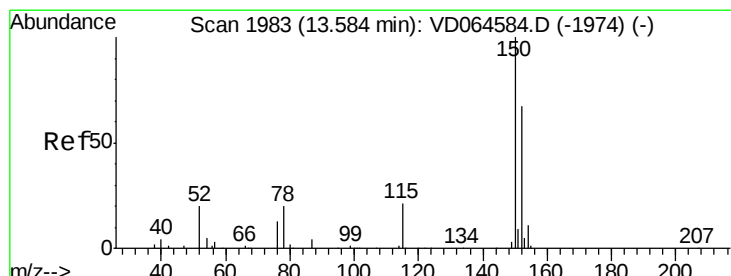
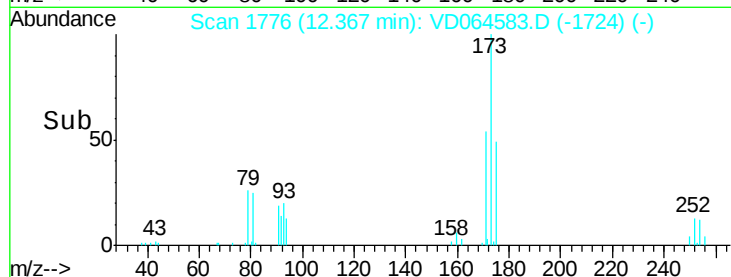
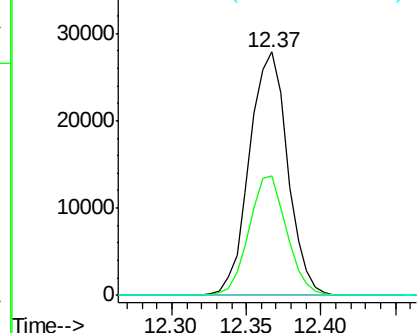
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.8
254	0.0	0.1	0.1#

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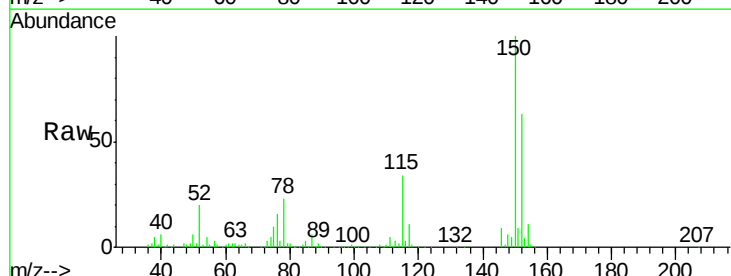


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

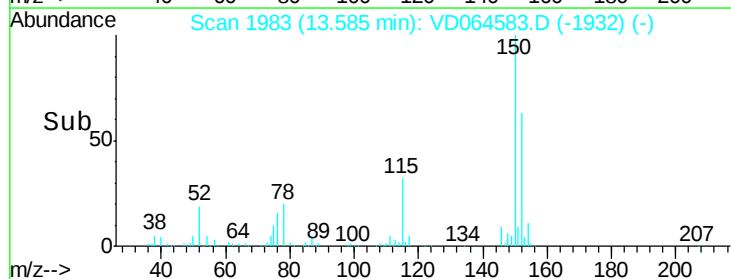
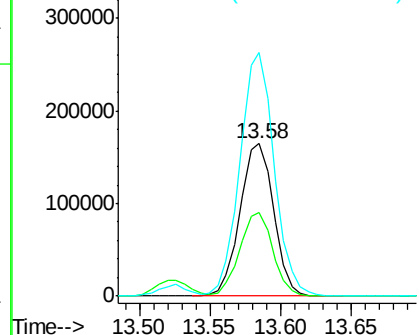


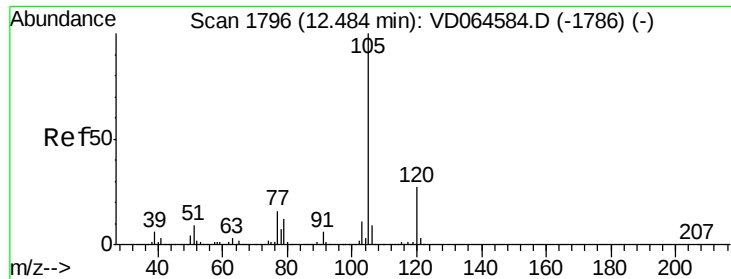
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.8	83.4
150	163.3	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: 19.844 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 392784

Ion Ratio Lower Upper

105 100

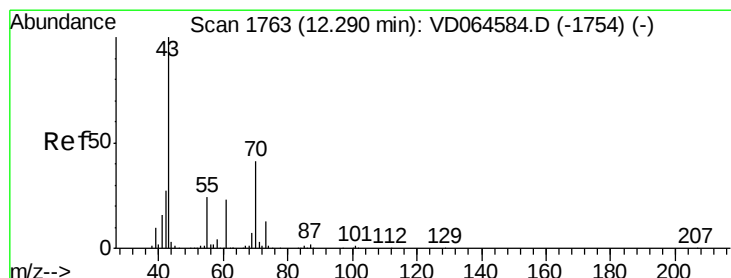
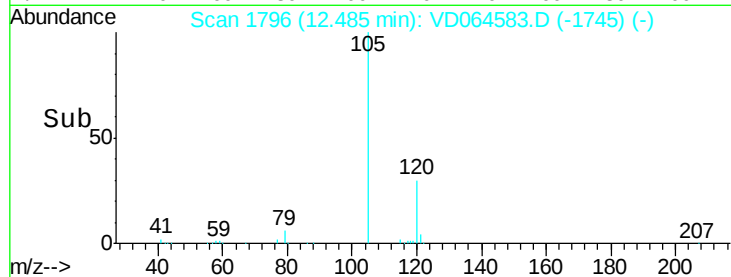
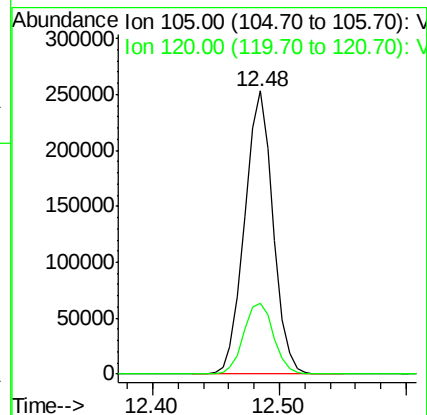
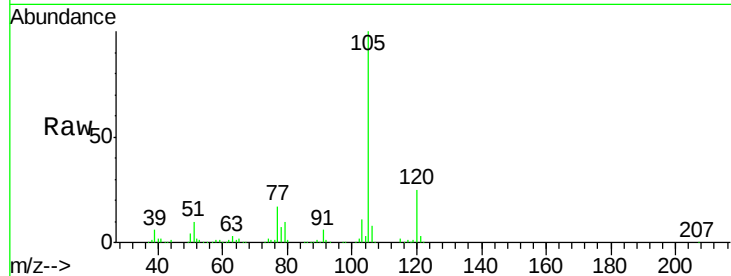
120 26.6 13.5 40.5

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#74

N-ethyl acetate

Concen: 18.984 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Tgt Ion: 43 Resp: 84275

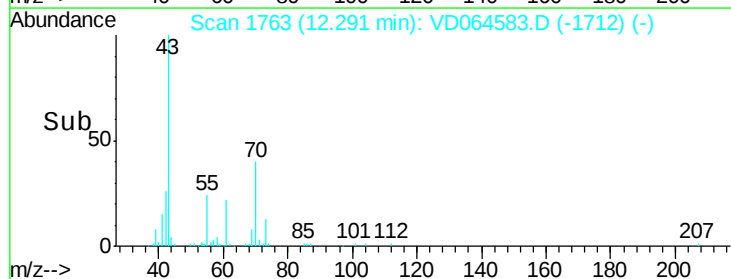
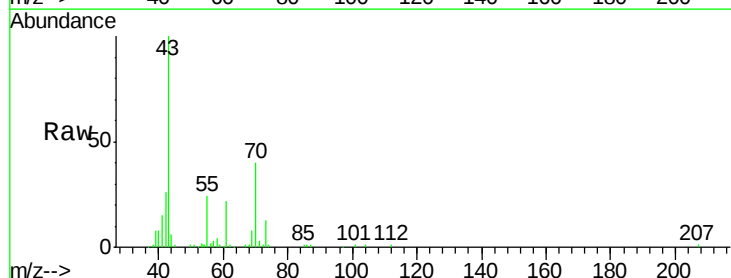
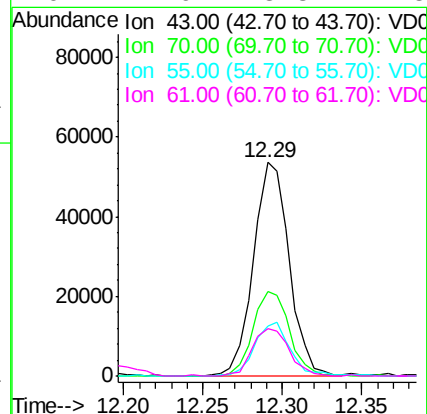
Ion Ratio Lower Upper

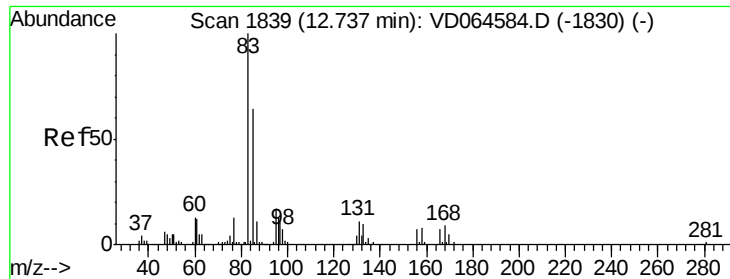
43 100

70 40.3 33.4 50.0

55 25.2 19.4 29.0

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.180 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

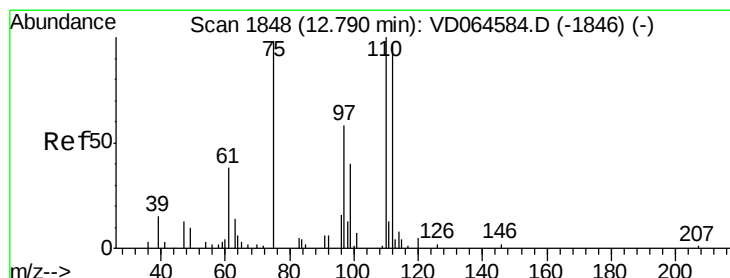
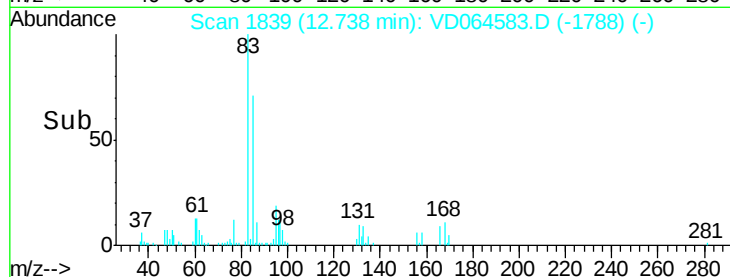
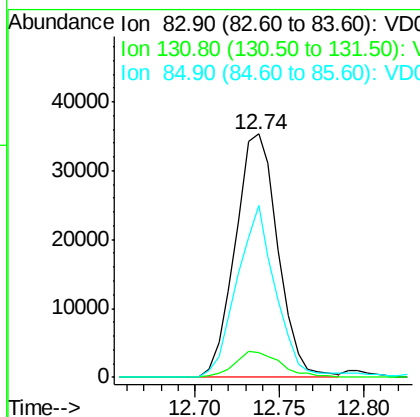
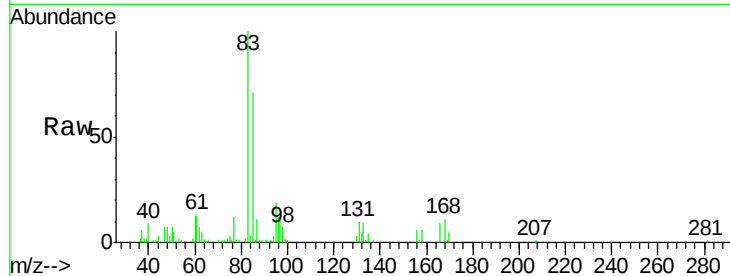
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	62041
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.4
85	63.5	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 17.662 ug/l m

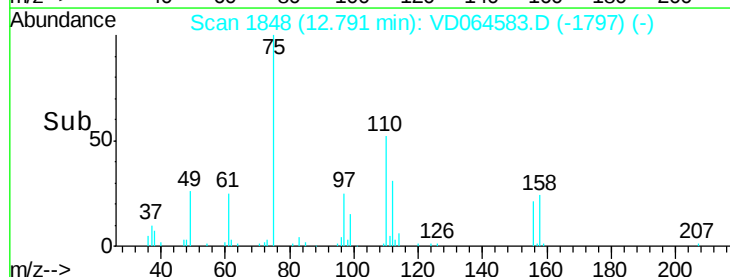
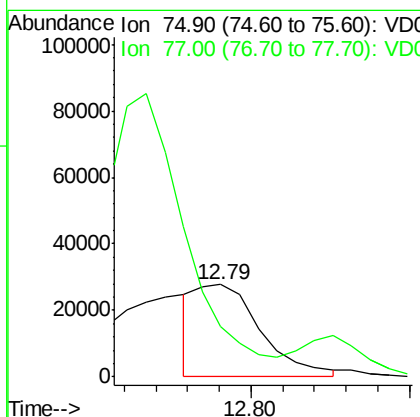
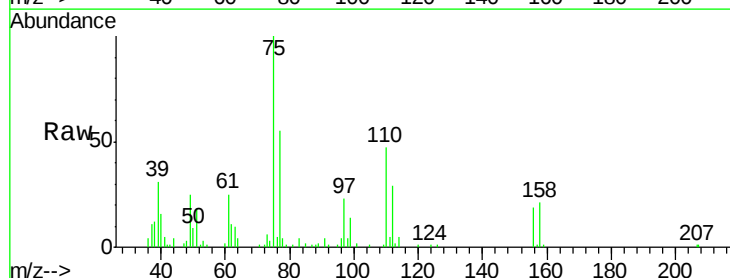
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Tgt Ion:	75	Resp:	39062
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.084 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

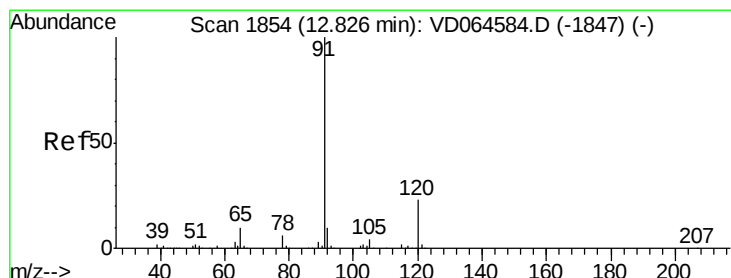
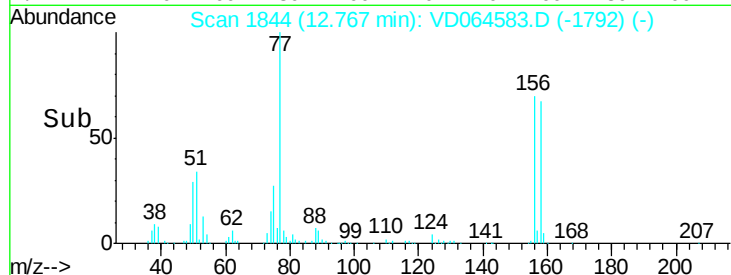
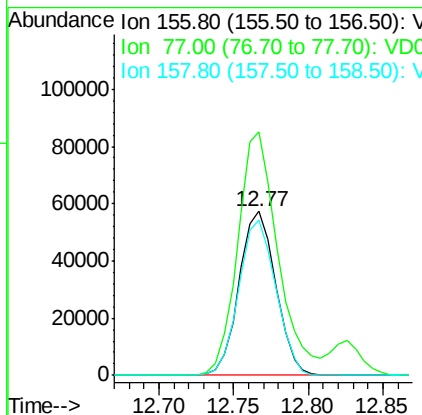
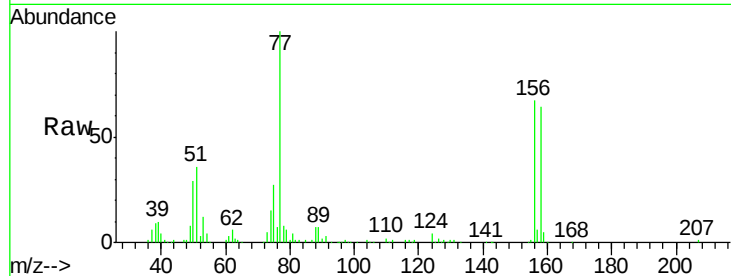
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	162.8	80.9	242.7
158	95.9	48.0	144.2

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#78

n-propylbenzene

Concen: 20.201 ug/l

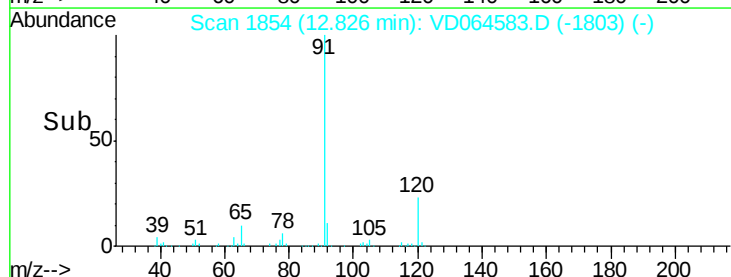
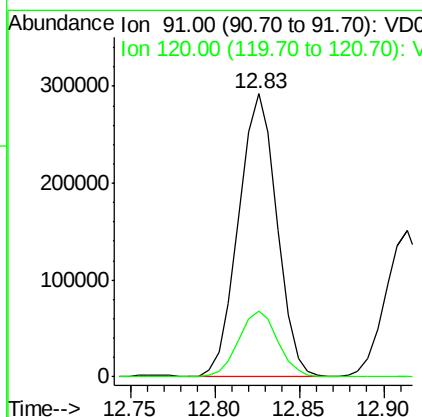
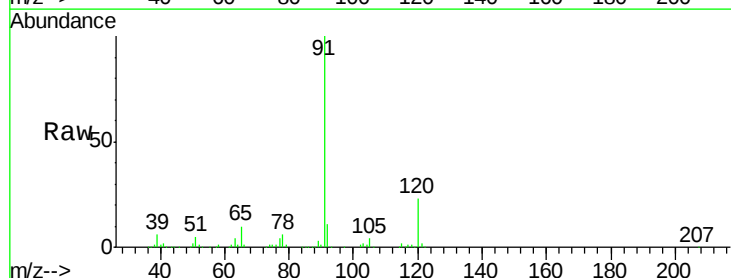
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 19.920 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 250023

Ion Ratio Lower Upper

91 100

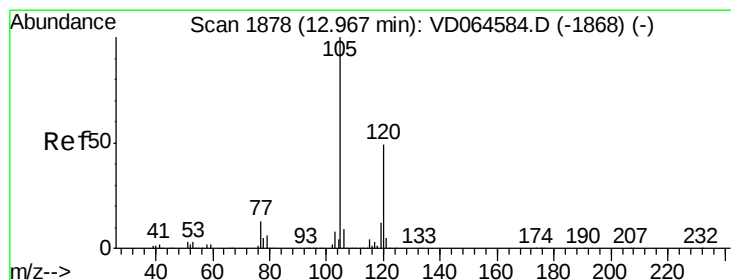
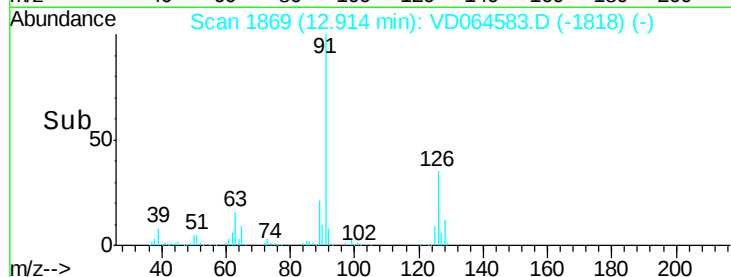
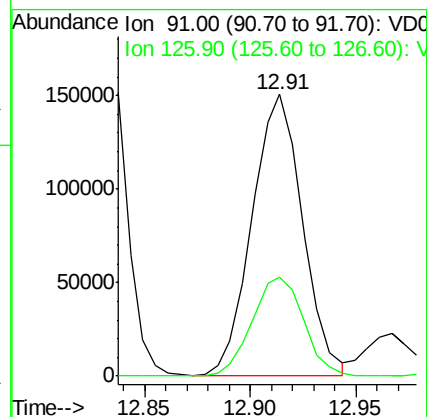
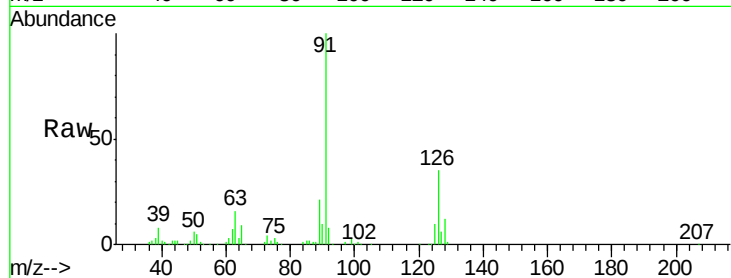
126 35.9 17.8 53.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.993 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064583.D

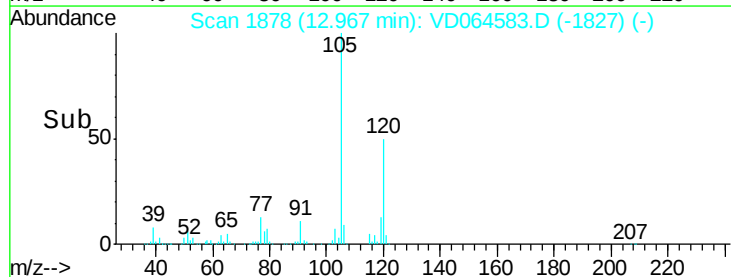
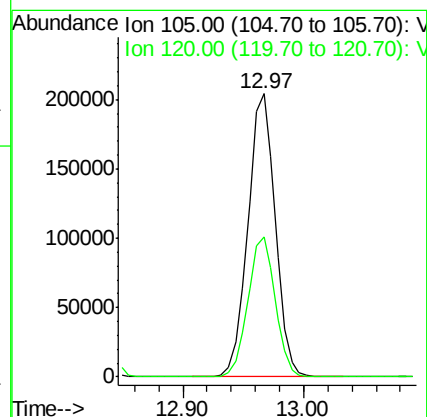
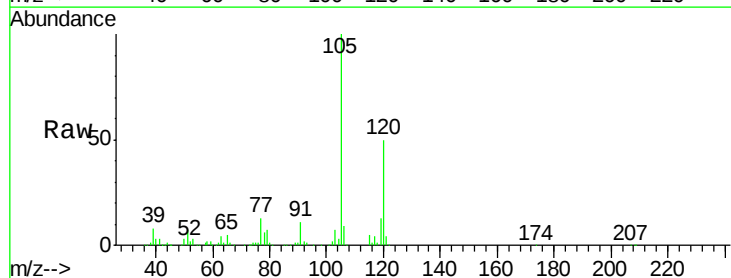
Acq: 24 Dec 2019 11:18

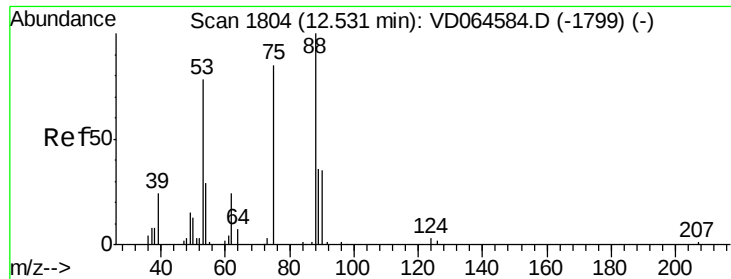
Tgt Ion: 105 Resp: 323400

Ion Ratio Lower Upper

105 100

120 49.7 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.640 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 20318

Ion Ratio Lower Upper

75 100

53 99.6 78.8 118.2

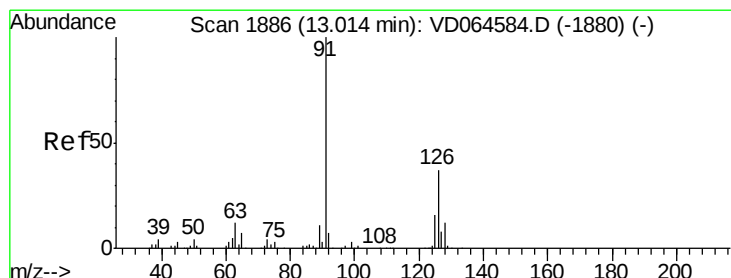
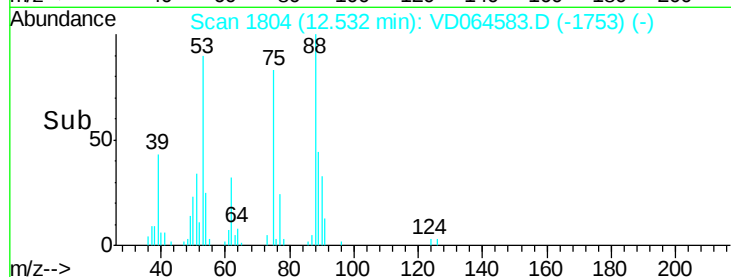
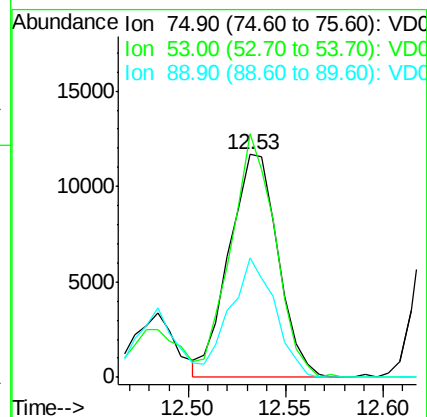
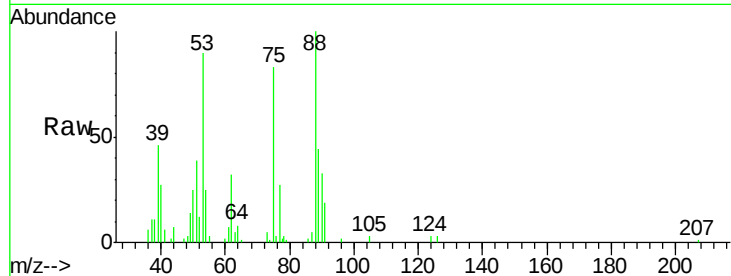
89 48.8 38.3 57.5

Manual Integrations

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#82

4-Chlorotoluene

Concen: 20.037 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064583.D

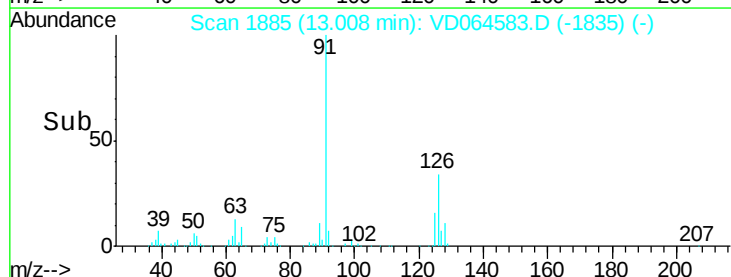
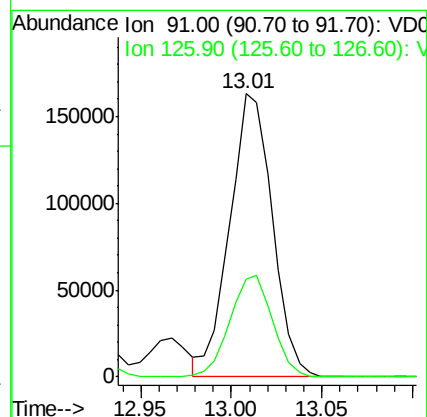
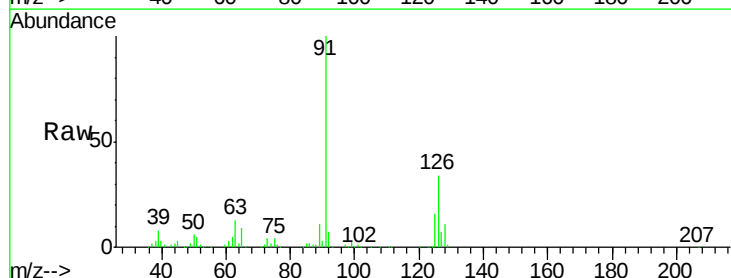
Acq: 24 Dec 2019 11:18

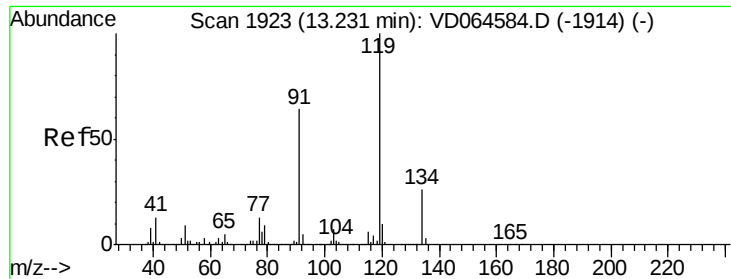
Tgt Ion: 91 Resp: 266721

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5





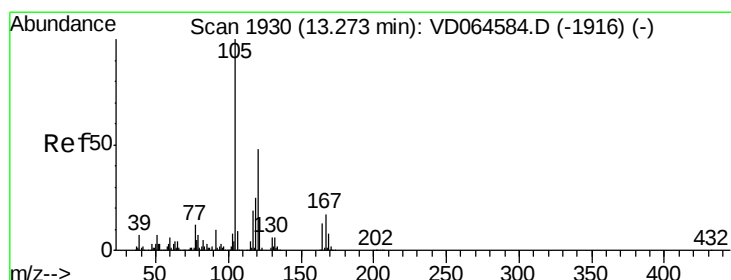
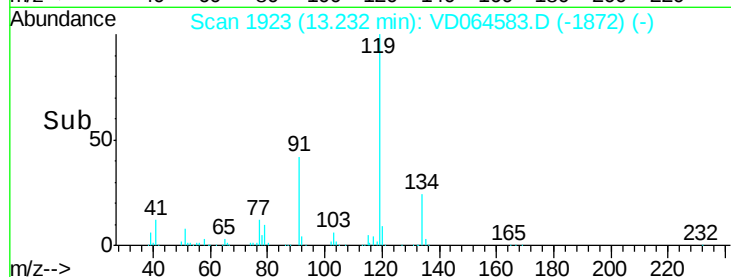
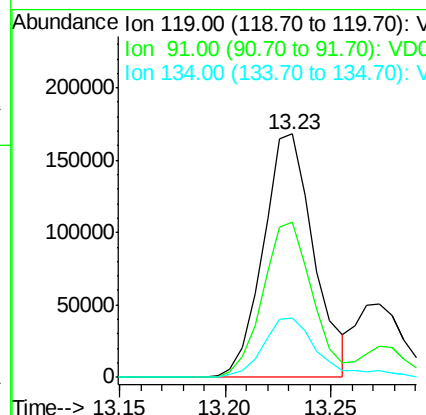
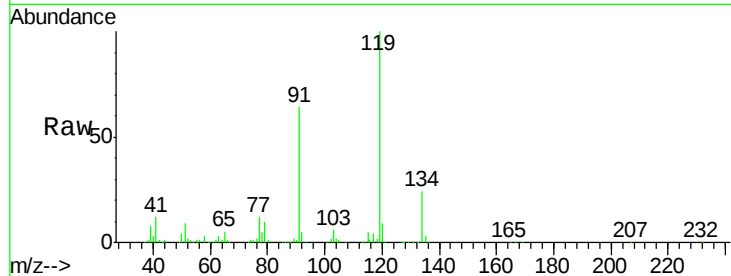
#83
tert-Butylbenzene
Concen: 19.925 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.8	92.4
134	26.7	12.8	38.3

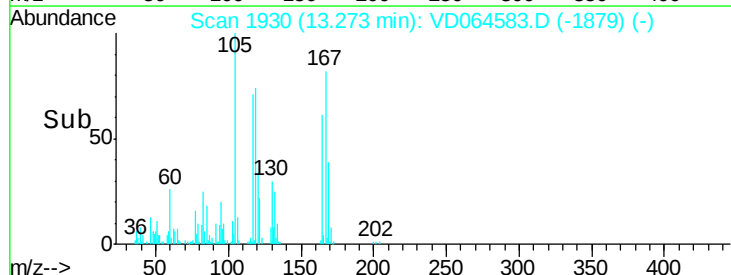
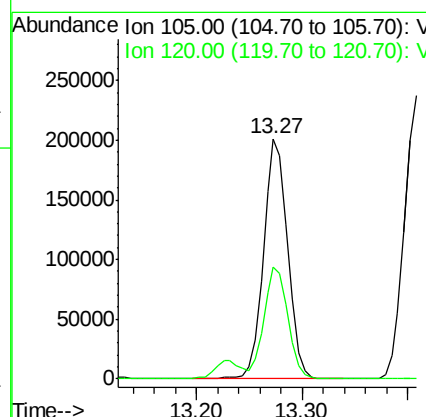
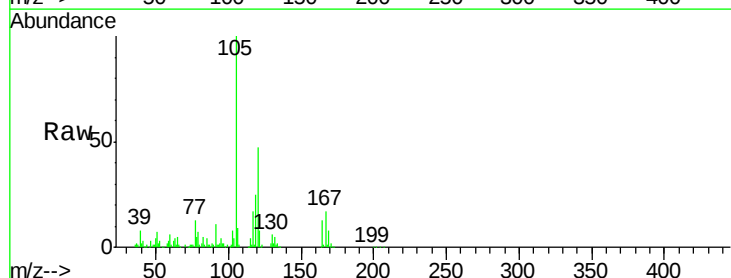
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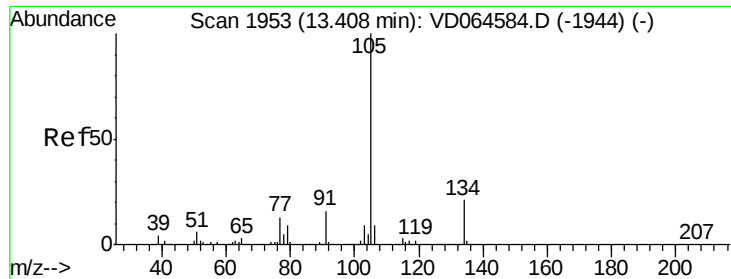
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#84
1,2,4-Trimethylbenzene
Concen: 19.679 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	23.8	71.2





#85

sec-Butylbenzene

Concen: 19.769 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 381198

Ion Ratio Lower Upper

105 100

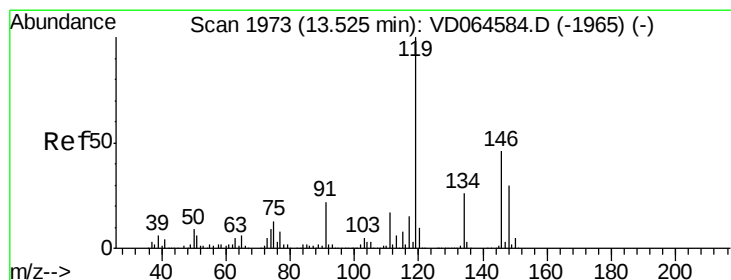
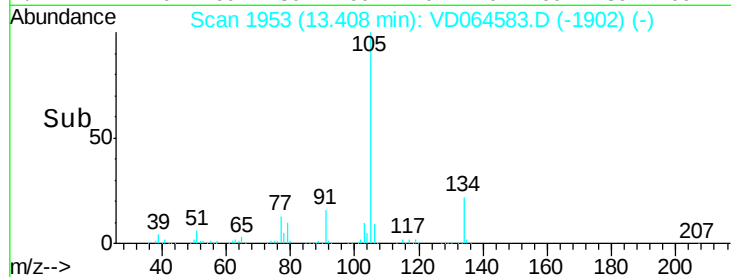
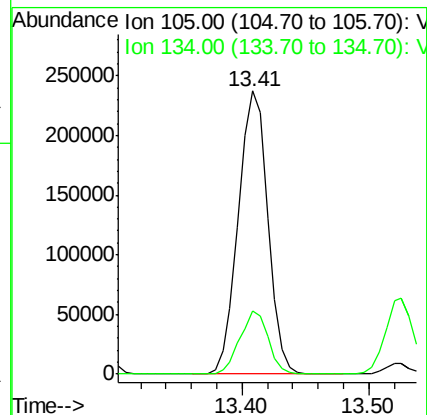
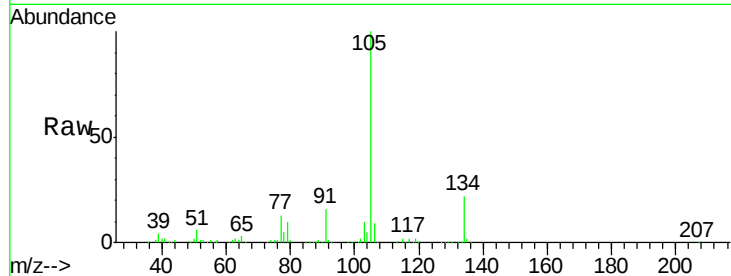
134 21.4 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 19.774 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064583.D

Acq: 24 Dec 2019 11:18

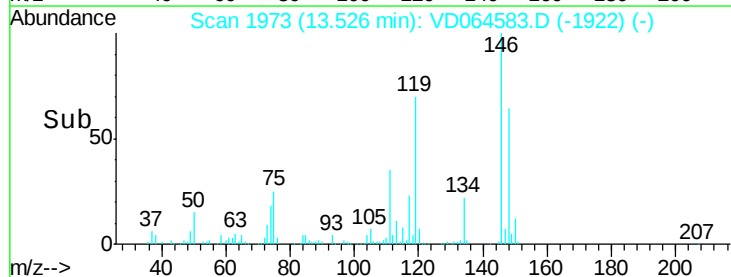
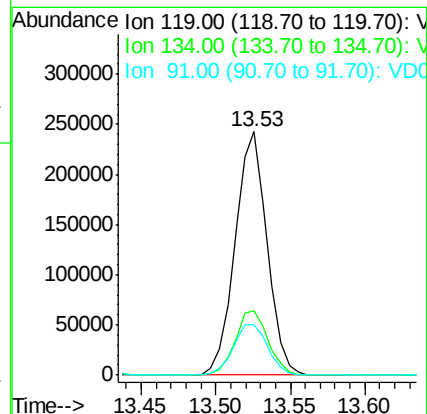
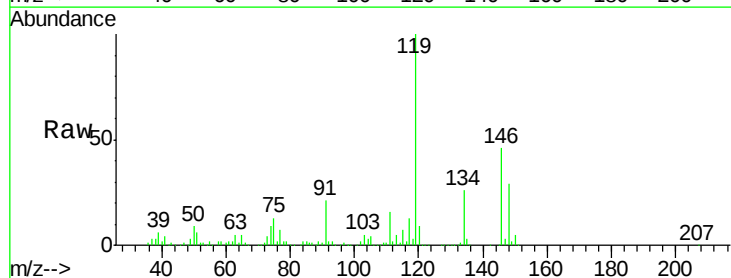
Tgt Ion:119 Resp: 361525

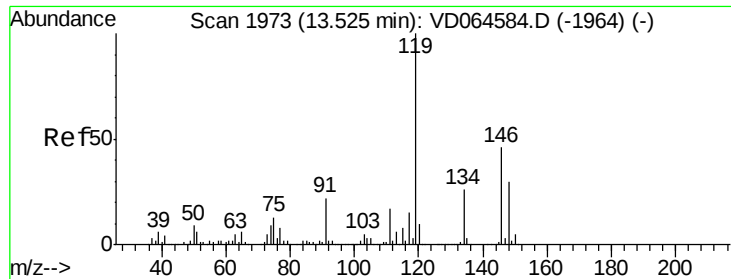
Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.1

91 22.6 11.2 33.6





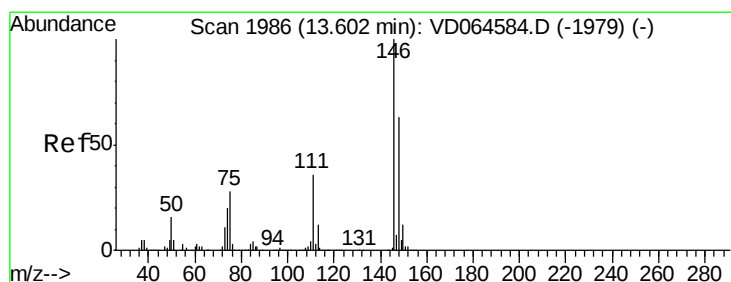
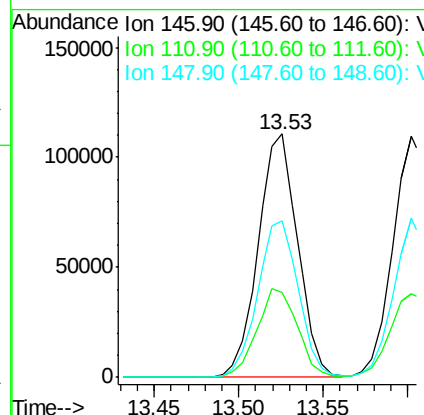
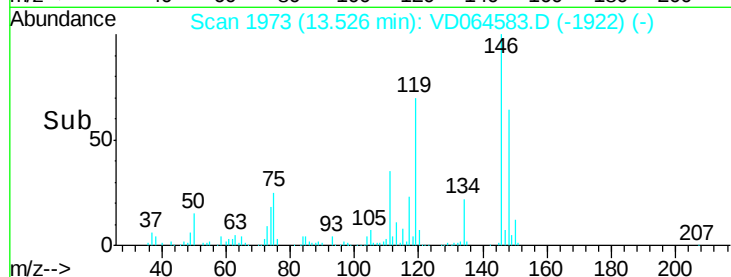
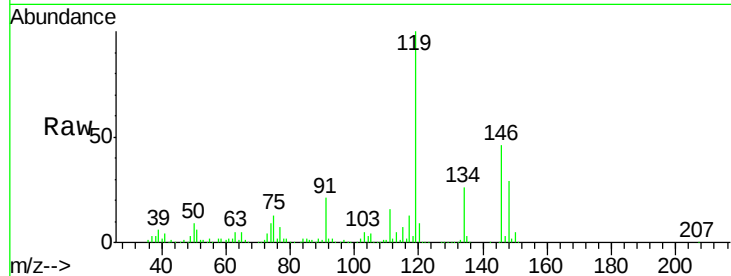
#87
 1,3-Dichlorobenzene
 Concen: 19.450 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
146	100	180023		
111	37.5	18.8	56.4	
148	65.9	32.5	97.5	

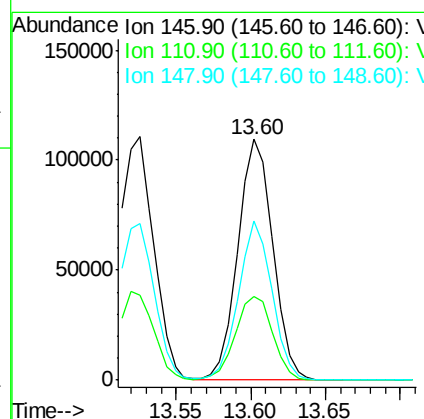
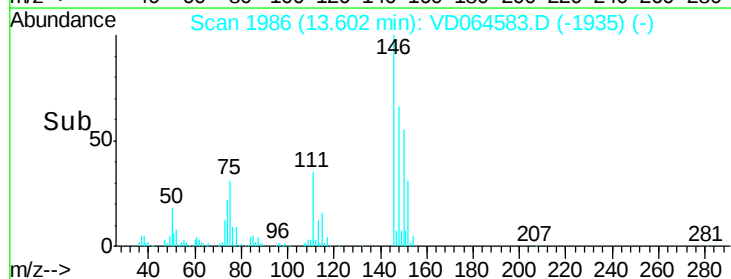
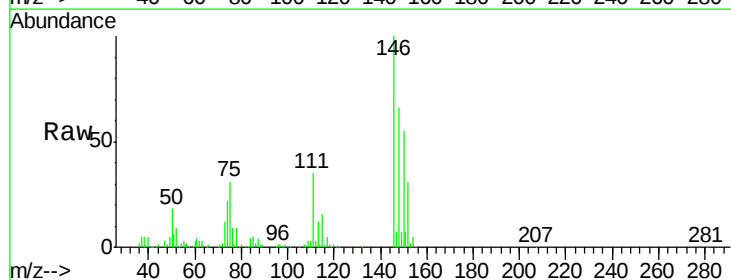
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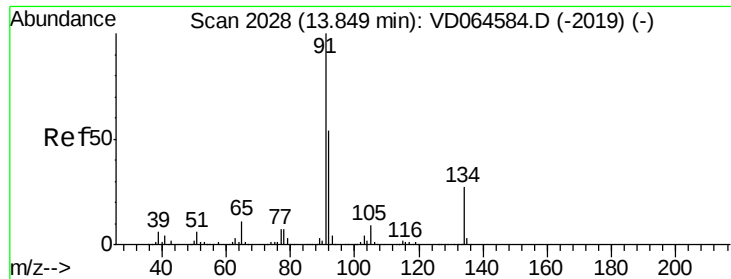
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#88
 1,4-Dichlorobenzene
 Concen: 19.560 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	178833		
111	37.2	18.1	54.1	
148	63.2	32.3	96.9	





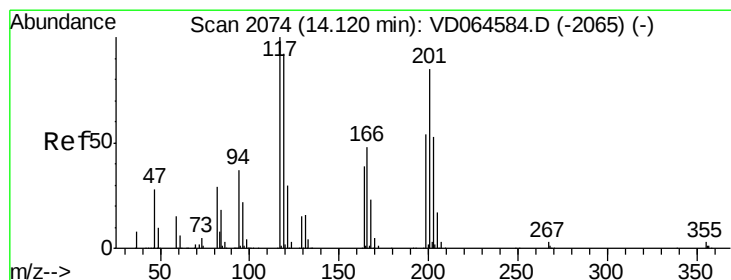
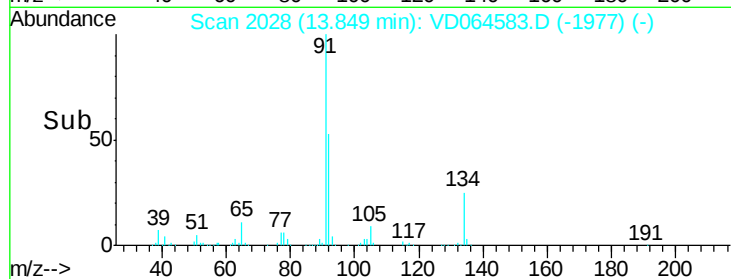
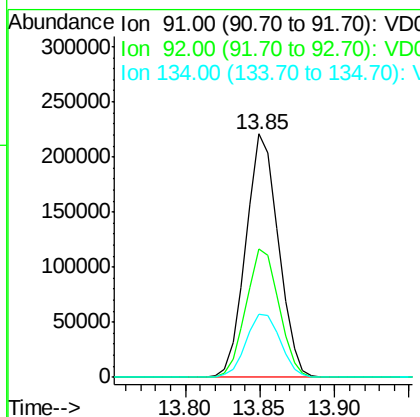
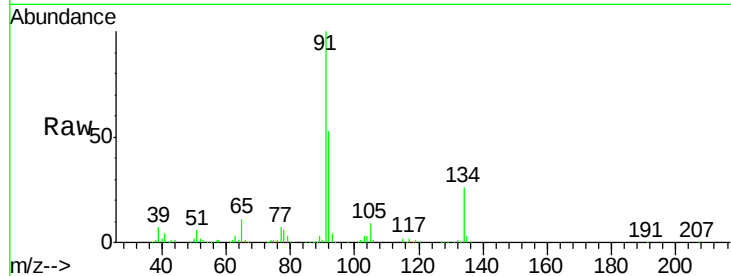
#89
n-Butylbenzene
Concen: 20.127 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.4
134	27.4	14.0	41.9

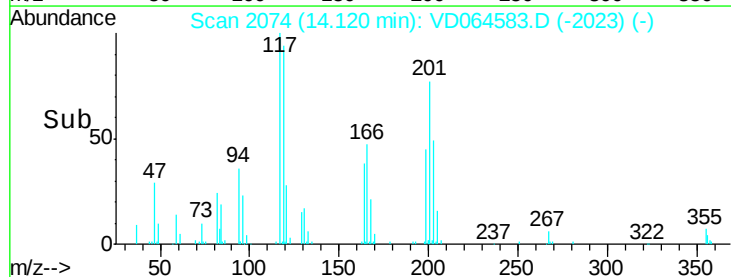
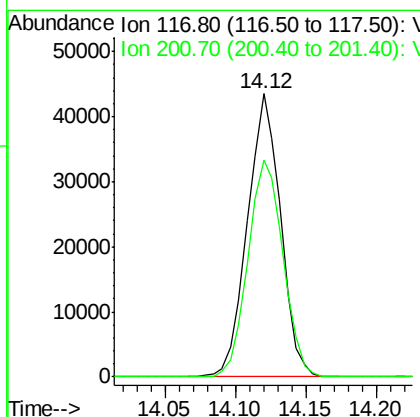
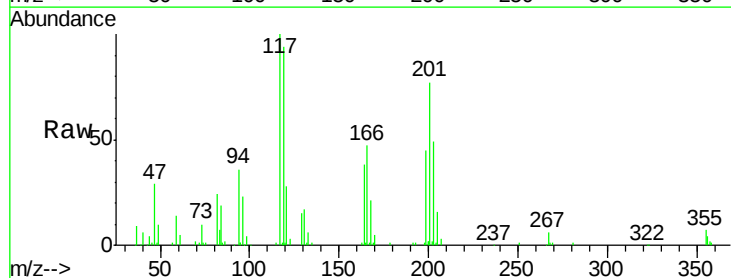
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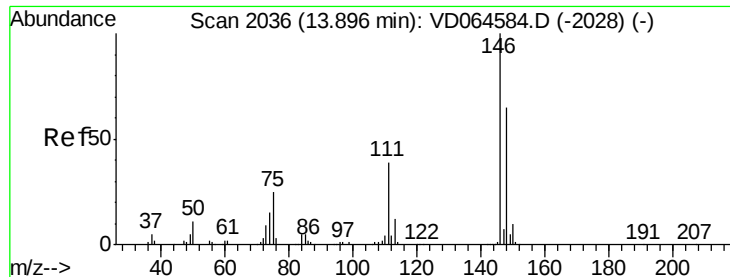
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#90
Hexachloroethane
Concen: 20.926 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.0	44.0	131.8





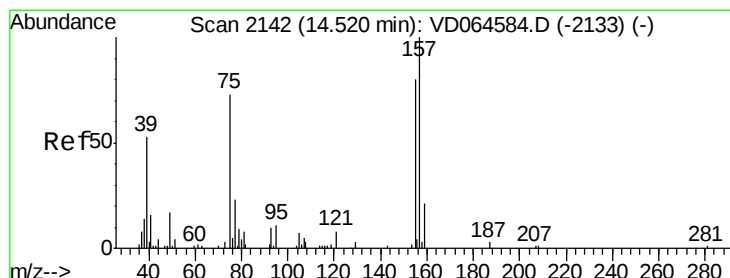
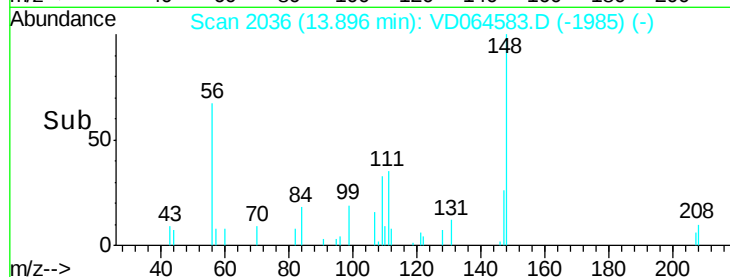
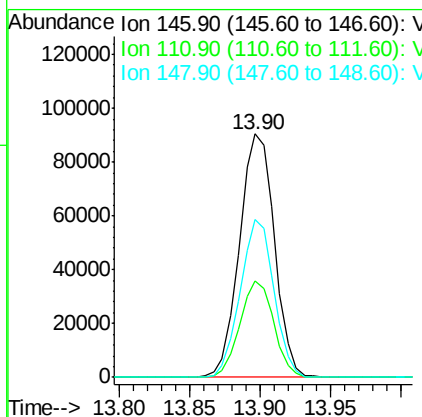
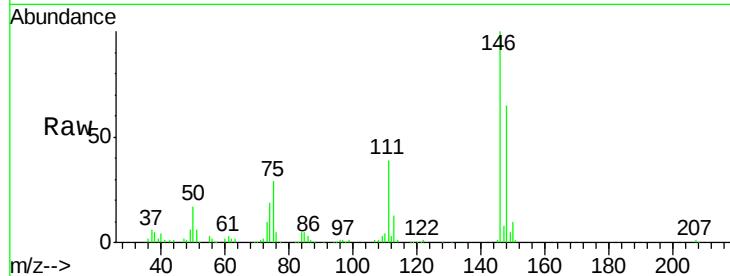
#91
 1,2-Dichlorobenzene
 Concen: 19.887 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.9
148	62.5	31.9	95.5

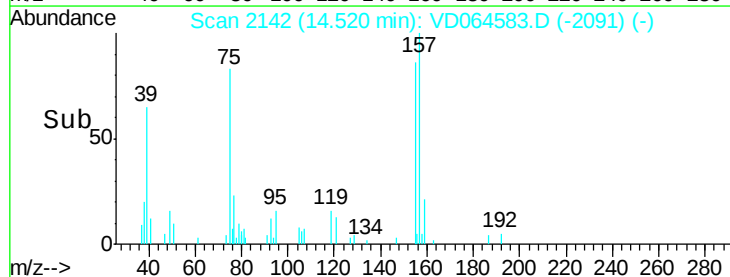
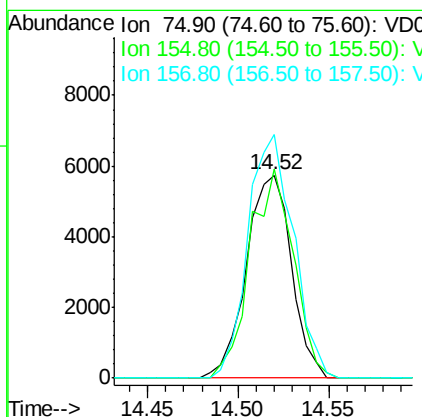
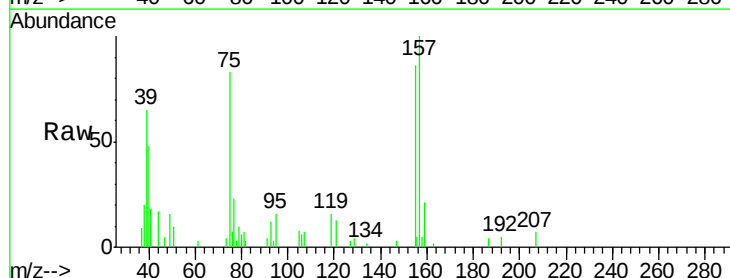
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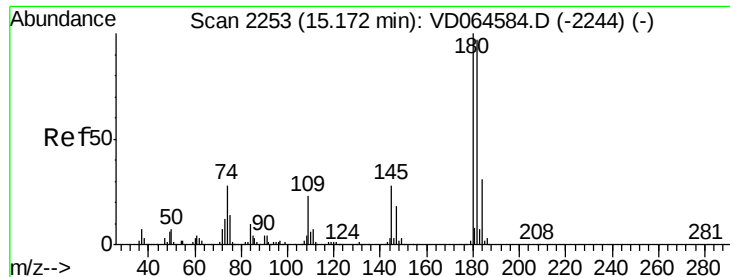
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.212 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.9	48.0	144.0
157	120.8	64.1	192.3





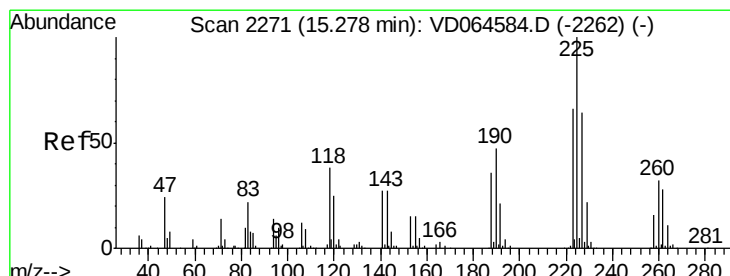
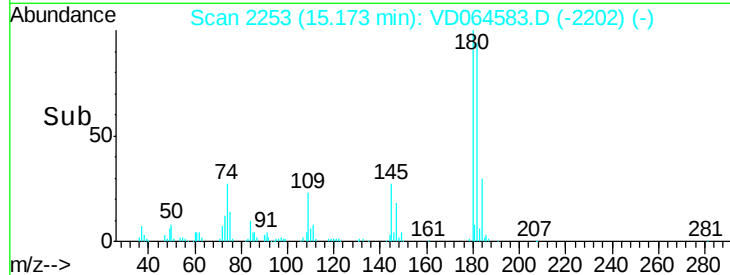
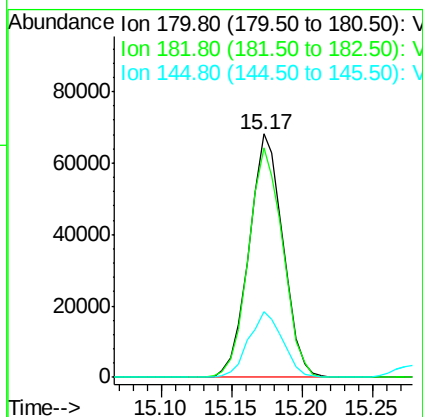
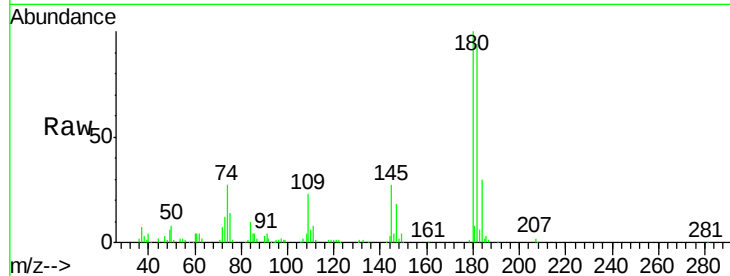
#93
 1,2,4-Trichlorobenzene
 Concen: 19.062 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	114898		
182	95.3	48.0	144.2	
145	27.0	13.8	41.4	

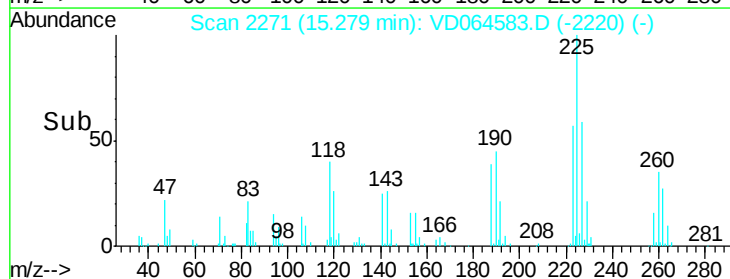
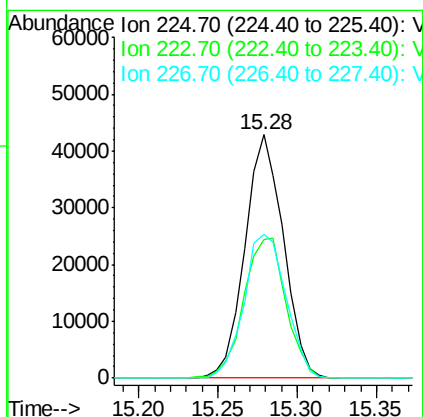
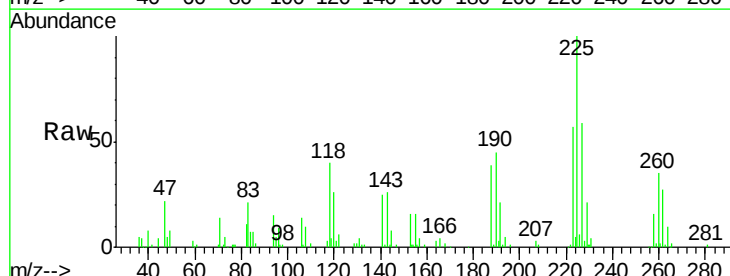
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 19.509 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064583.D
 Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	72408		
223	63.0	31.1	93.2	
227	64.5	30.9	92.7	





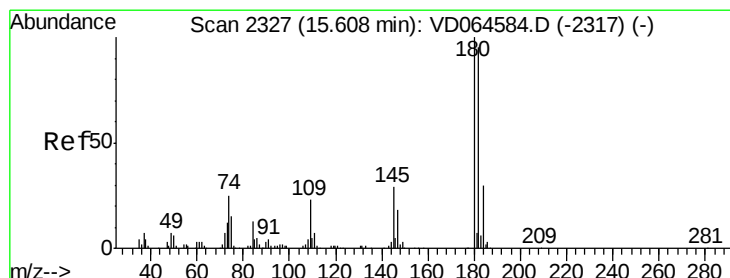
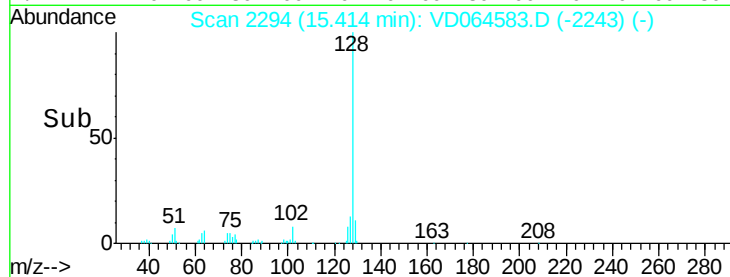
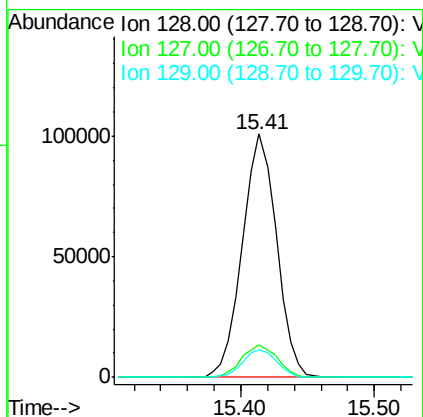
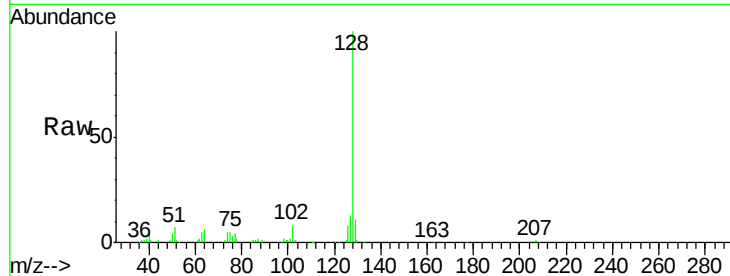
#95
Naphthalene
Concen: 17.886 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	178925		
127	13.9		10.3	15.5
129	11.2		8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.219 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064583.D
Acq: 24 Dec 2019 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	98619		
182	94.3		47.9	143.7
145	30.7		14.9	44.7

