

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122419\
 Data File : VD064585.D
 Acq On : 24 Dec 2019 12:14
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/26/2019 11:14:00 AM

Quant Time: Dec 24 13:11:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 12:11:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	442779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	618022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	554348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	287422	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	377686	95.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.22%	
35) Dibromofluoromethane	7.92	113	376208	97.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.32%	
50) Toluene-d8	10.34	98	1486539	102.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.62%	
62) 4-Bromofluorobenzene	12.64	95	464248	100.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	314248	86.452	ug/l	99
3) Chloromethane	2.21	50	423119	82.434	ug/l	98
4) Vinyl Chloride	2.35	62	537728	87.277	ug/l	99
5) Bromomethane	2.76	94	380356	85.303	ug/l	99
6) Chloroethane	2.92	64	364964	88.815	ug/l	98
7) Trichlorofluoromethane	3.27	101	894796	85.776	ug/l	99
8) Diethyl Ether	3.70	74	178974	86.539	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	370055	85.680	ug/l	99
10) Methyl Iodide	4.30	142	477591	113.293	ug/l	98
11) Tert butyl alcohol	5.25	59	110436	695.243	ug/l	98
12) 1,1-Dichloroethene	4.06	96	356467	87.177	ug/l	97
13) Acrolein	3.93	56	154553	484.197	ug/l	99
14) Allyl chloride	4.71	41	566275	90.042	ug/l	100
15) Acrylonitrile	5.43	53	384426	454.820	ug/l	100
16) Acetone	4.17	43	368184	426.926	ug/l	95
17) Carbon Disulfide	4.40	76	1151666	87.106	ug/l	99
18) Methyl Acetate	4.73	43	197558	85.628	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	823851	92.913	ug/l	96
20) Methylene Chloride	4.96	84	377546	74.119	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	410280	89.074	ug/l	98
22) Diisopropyl ether	6.37	45	1138247	91.157	ug/l	98
23) Vinyl Acetate	6.31	43	3437304	499.447	ug/l	100
24) 1,1-Dichloroethane	6.27	63	675246	89.526	ug/l	99
25) 2-Butanone	7.22	43	516288	466.322	ug/l	95
26) 2,2-Dichloropropane	7.21	77	618418	87.590	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	449872	91.059	ug/l	99
28) Bromochloromethane	7.55	49	272463	94.098	ug/l	98
29) Tetrahydrofuran	7.57	42	322147	469.495	ug/l	99
30) Chloroform	7.71	83	702649	88.498	ug/l	97
31) Cyclohexane	7.98	56	633652	81.174	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	664723	89.311	ug/l	99
36) 1,1-Dichloropropene	8.11	75	568262	92.444	ug/l	99
37) Ethyl Acetate	7.30	43	227542	94.901	ug/l	99
38) Carbon Tetrachloride	8.10	117	627799	97.477	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	715969	97.564	ug/l	98
40) Benzene	8.35	78	1597620	96.709	ug/l	98
41) Methacrylonitrile	7.54	41	128129	90.999	ug/l	90
42) 1,2-Dichloroethane	8.43	62	460870	95.904	ug/l	98
43) Isopropyl Acetate	8.46	43	461471	97.163	ug/l	100
44) Trichloroethene	9.11	130	457281	92.850	ug/l	99
45) 1,2-Dichloropropane	9.39	63	373133	93.517	ug/l	95
46) Dibromomethane	9.48	93	211485	95.525	ug/l	98
47) Bromodichloromethane	9.66	83	553459	93.117	ug/l	99
48) Methyl methacrylate	9.46	41	211432	93.524	ug/l	91
49) 1,4-Dioxane	9.46	88	48455	1878.249	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	1152446	495.201	ug/l	99
52) Toluene	10.40	92	1059492	98.573	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	542344	100.484	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	624844	97.617	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	276342	91.614	ug/l	97
56) Ethyl methacrylate	10.66	69	363496	99.329	ug/l	99
57) 1,3-Dichloropropane	10.95	76	485900	94.123	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	671235	468.931	ug/l	99
59) 2-Hexanone	10.98	43	802400	510.246	ug/l	100
60) Dibromochloromethane	11.14	129	395331	96.117	ug/l	100
61) 1,2-Dibromoethane	11.25	107	281687	95.862	ug/l	99
64) Tetrachloroethene	10.88	164	402496	91.124	ug/l	98
65) Chlorobenzene	11.67	112	1097139	92.886	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	430474	98.056	ug/l	98
67) Ethyl Benzene	11.75	91	2048896	96.504	ug/l	98
68) m/p-Xylenes	11.86	106	1586754	194.013	ug/l	97
69) o-Xylene	12.18	106	725226	98.643	ug/l	100
70) Styrene	12.20	104	1291660	101.201	ug/l	99
71) Bromoform	12.36	173	243457	96.559	ug/l #	98
73) Isopropylbenzene	12.48	105	1977711	93.931	ug/l	100
74) N-amyl acetate	12.29	43	435108	97.540	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	299632	88.487	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	229006m	57.029	ug/l	
77) Bromobenzene	12.77	156	482229	92.413	ug/l	98
78) n-propylbenzene	12.83	91	2306373	93.697	ug/l	99
79) 2-Chlorotoluene	12.91	91	1248340	91.682	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1630171	94.512	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	104636	93.979	ug/l	97
82) 4-Chlorotoluene	13.01	91	1338506	93.090	ug/l	99
83) tert-Butylbenzene	13.23	119	1427265	95.538	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1642116	96.103	ug/l	98
85) sec-Butylbenzene	13.41	105	1967054	95.995	ug/l	99
86) p-Isopropyltoluene	13.53	119	1907416	97.946	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	934815	95.055	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	896082	91.701	ug/l	99
89) n-Butylbenzene	13.85	91	1688649	95.801	ug/l	99
90) Hexachloroethane	14.12	117	337705	87.871	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	776306	91.518	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	47672	86.173	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	569673	91.037	ug/l	99
94) Hexachlorobutadiene	15.28	225	359620	91.050	ug/l	98
95) Naphthalene	15.41	128	958979	98.974	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	492219	92.130	ug/l	100

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

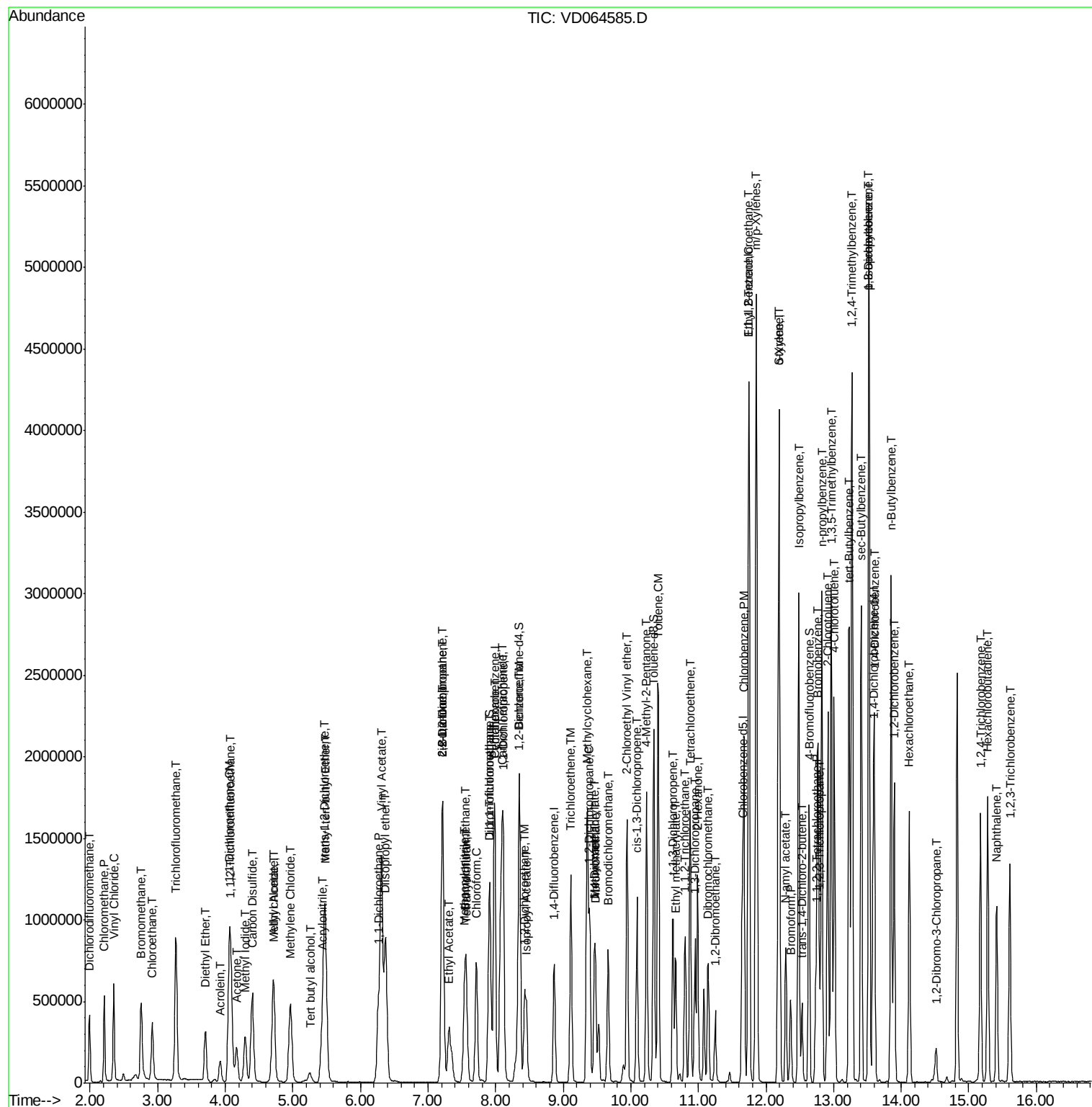
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122419\
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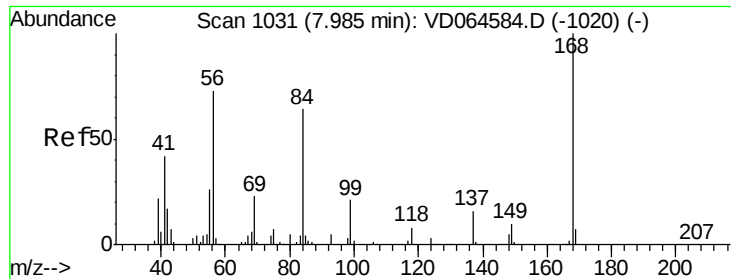
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 442779

Ion Ratio Lower Upper

168 100

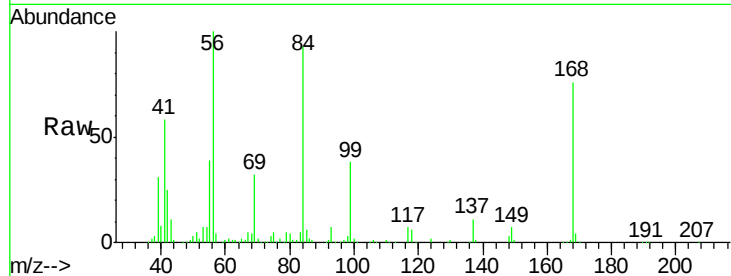
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Manual Integrations

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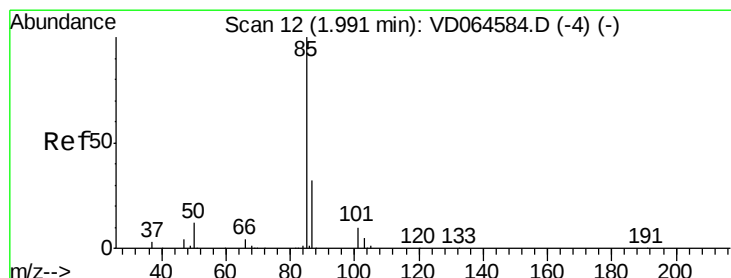
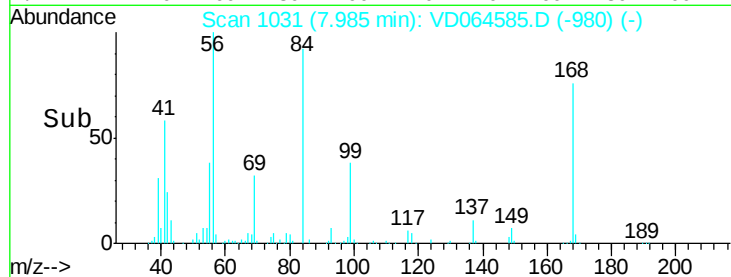
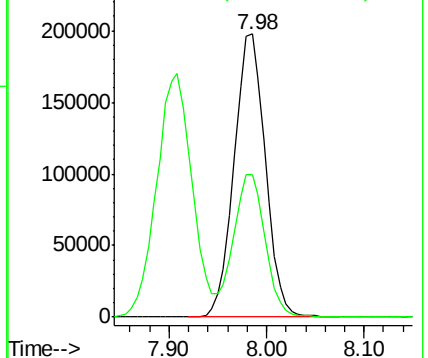
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 86.452 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064585.D

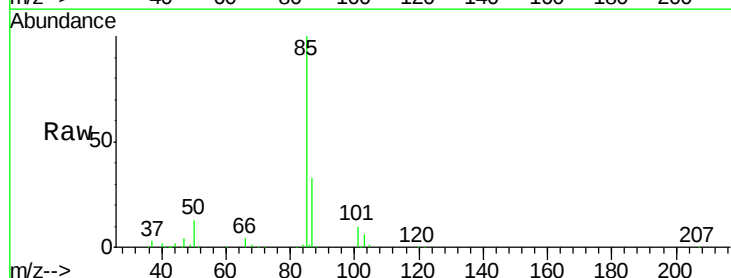
Acq: 24 Dec 2019 12:14

Tgt Ion: 85 Resp: 314248

Ion Ratio Lower Upper

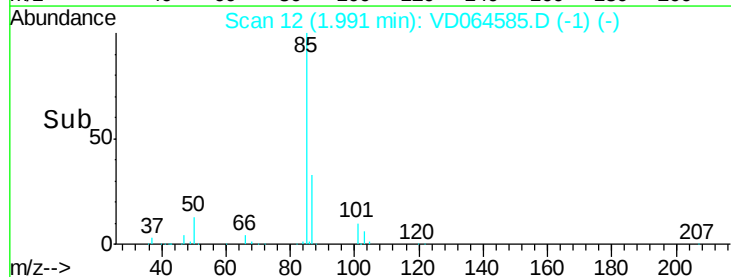
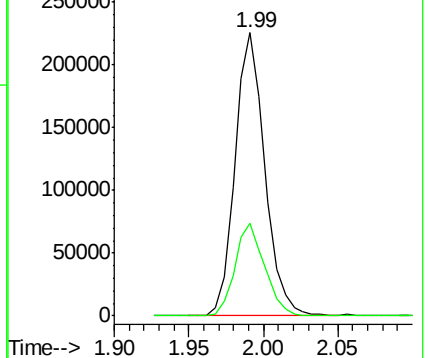
85 100

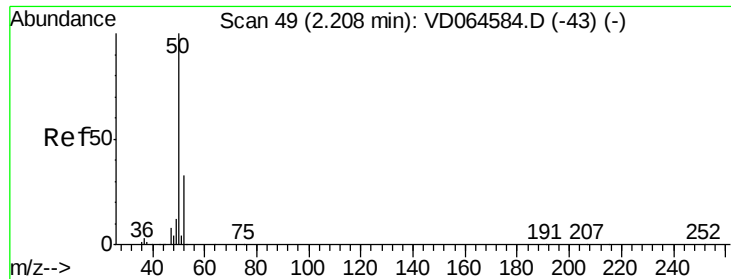
87 32.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 82.434 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 423119

Ion Ratio Lower Upper

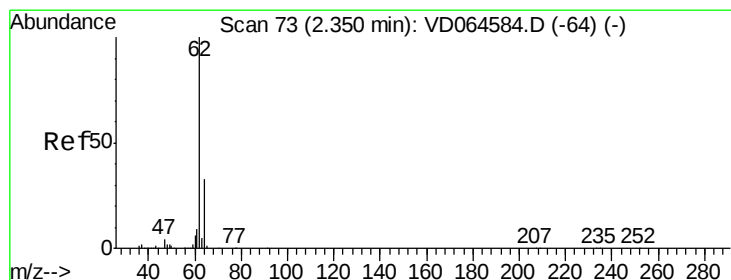
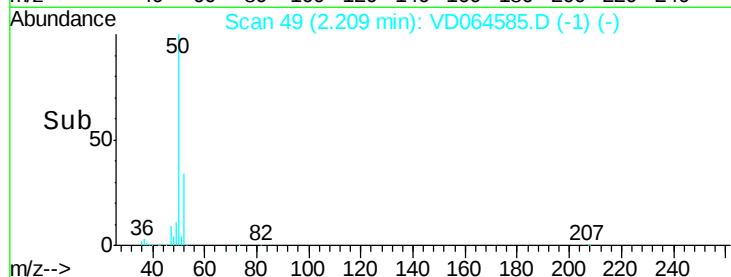
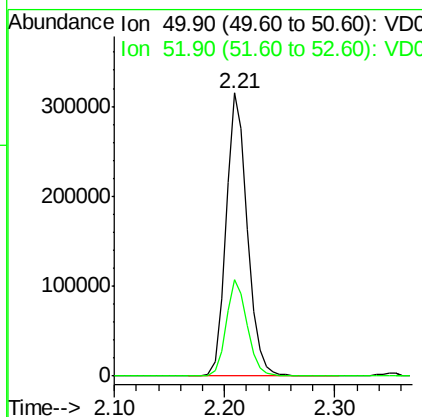
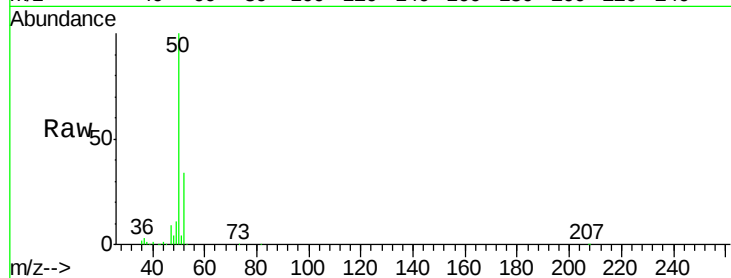
50 100

52 34.1 26.5 39.7

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#4

Vinyl Chloride

Concen: 87.277 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064585.D

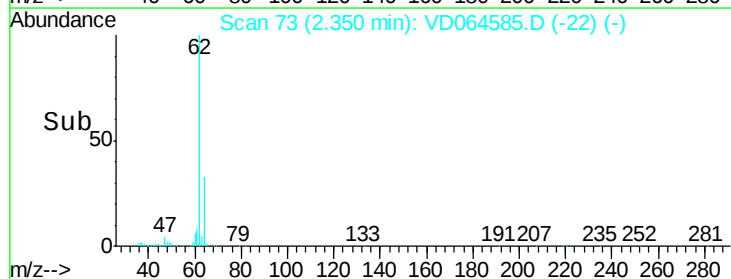
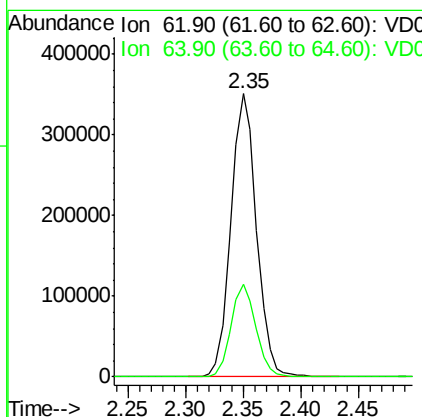
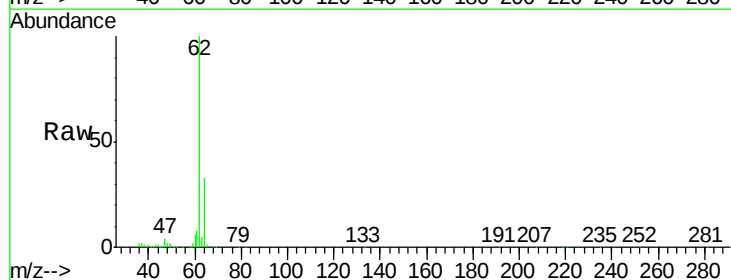
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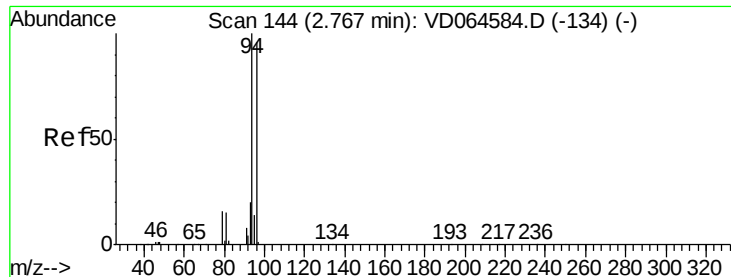
Tgt Ion: 62 Resp: 537728

Ion Ratio Lower Upper

62 100

64 32.6 26.6 40.0





#5

Bromomethane

Concen: 85.303 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 380356

Ion Ratio Lower Upper

94 100

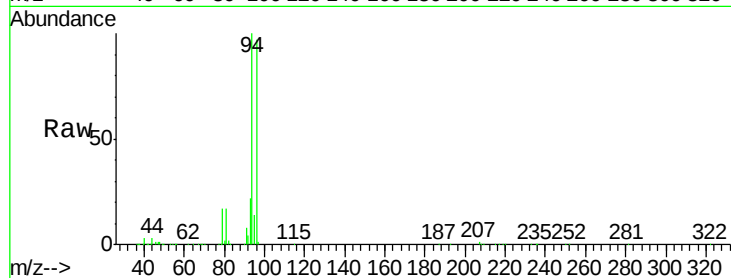
96 97.3 77.2 115.8

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

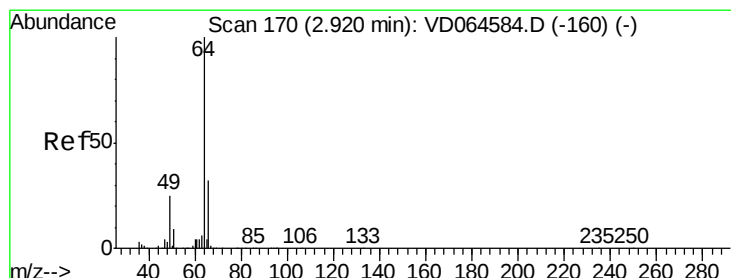
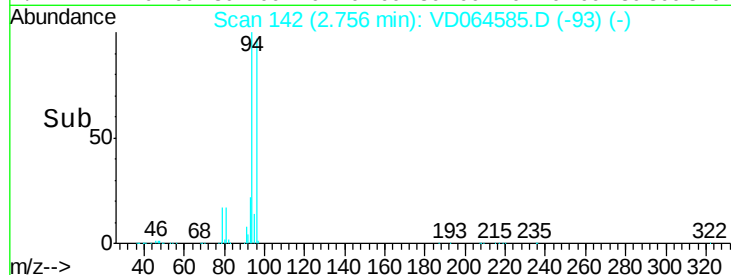
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100000

50000

0

Time-->



#6

Chloroethane

Concen: 88.815 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064585.D

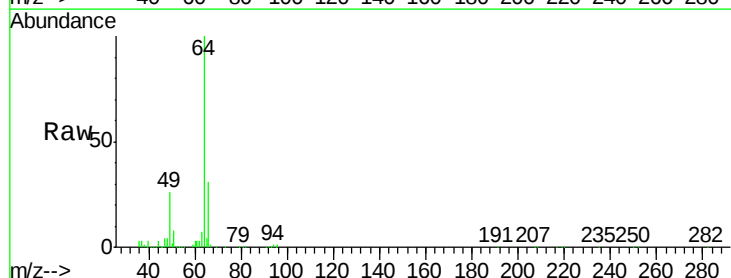
Acq: 24 Dec 2019 12:14

Tgt Ion: 64 Resp: 364964

Ion Ratio Lower Upper

64 100

66 31.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

200000

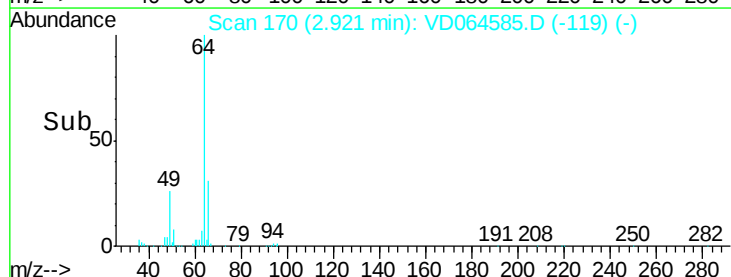
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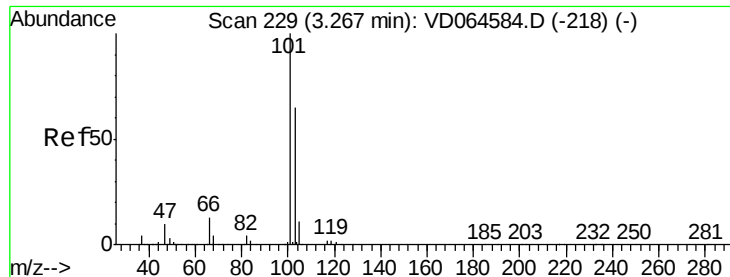
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Time-->





#7

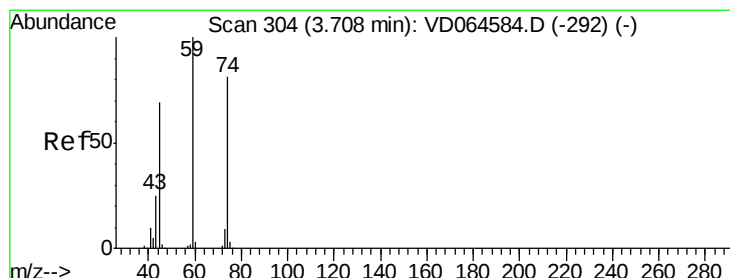
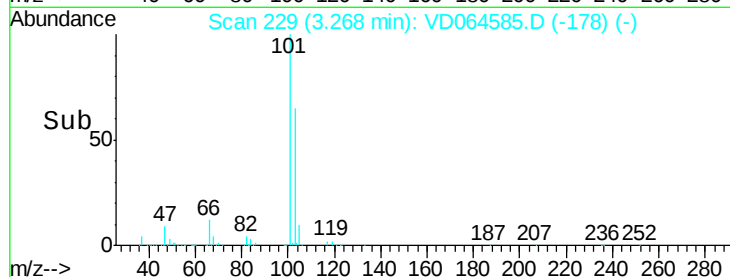
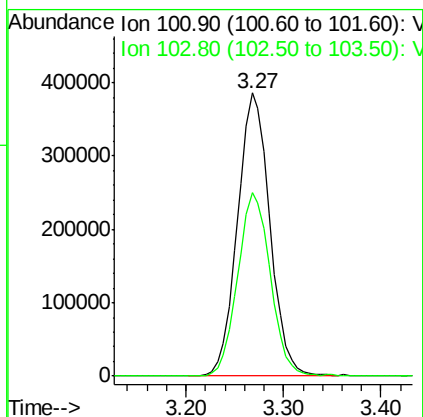
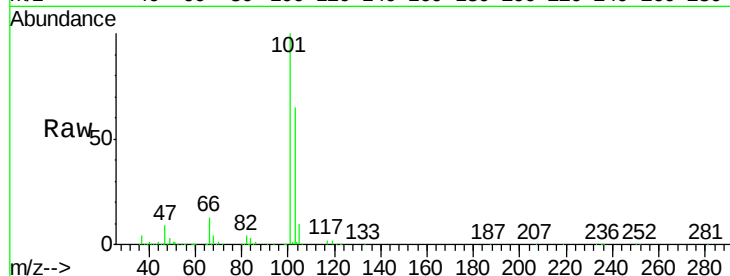
Trichlorofluoromethane
 Concen: 85.776 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	52.2	78.4

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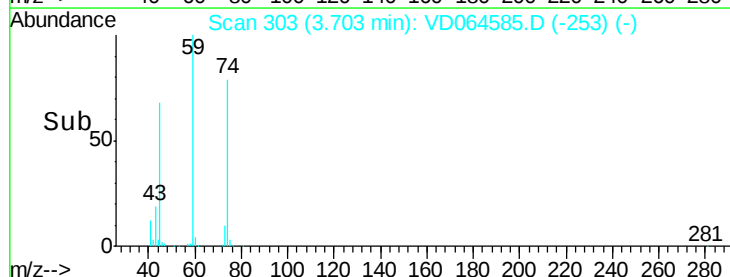
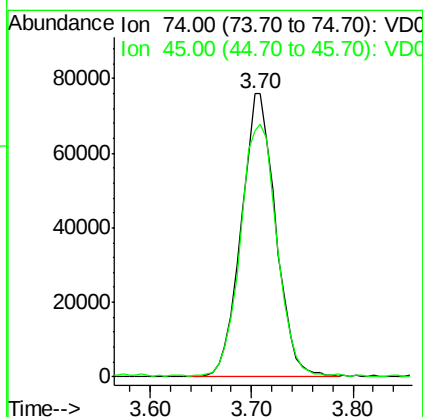
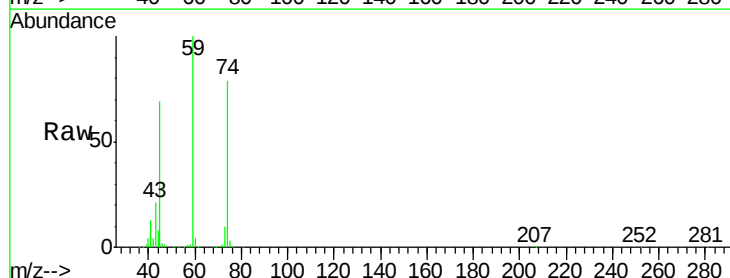
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 12/26/2019 11:14:00 AM



#8

Diethyl Ether
 Concen: 86.539 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 85.680 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

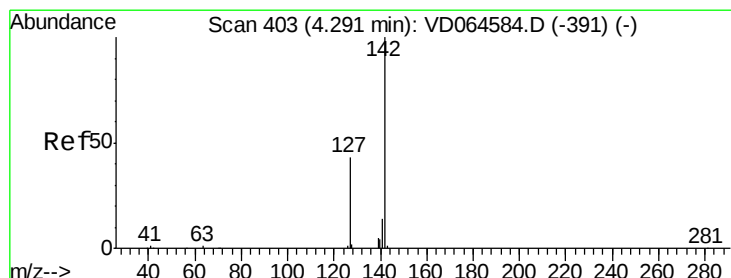
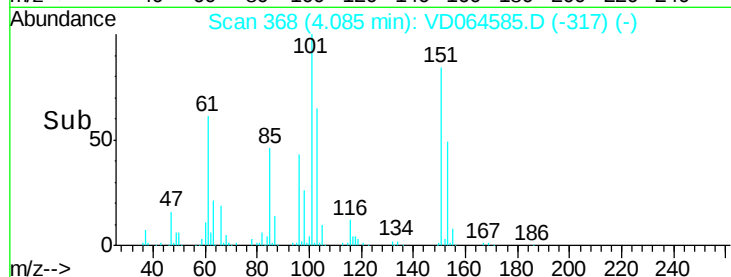
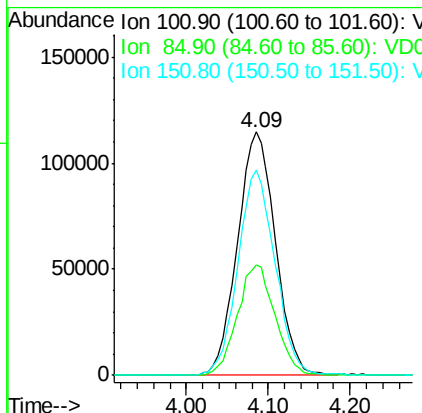
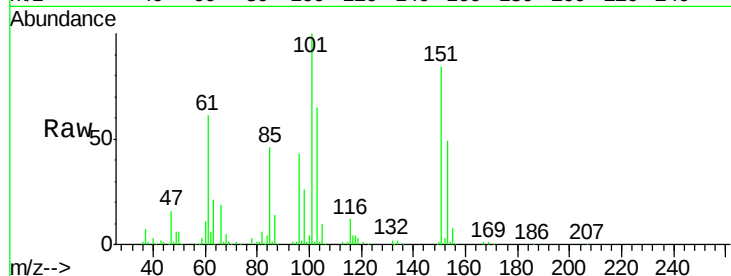
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	370055
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.2	52.8
151	82.5	66.2	99.4

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#10

Methyl Iodide

Concen: 113.293 ug/l

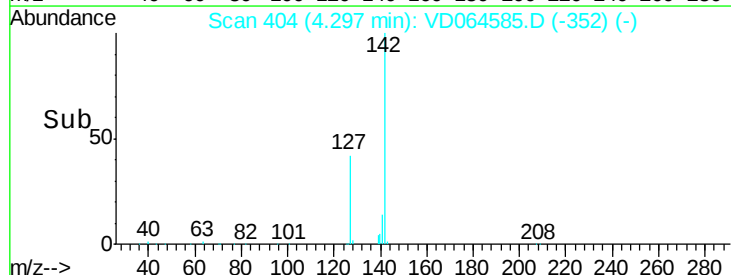
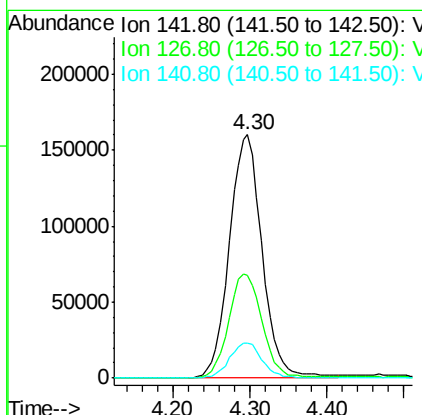
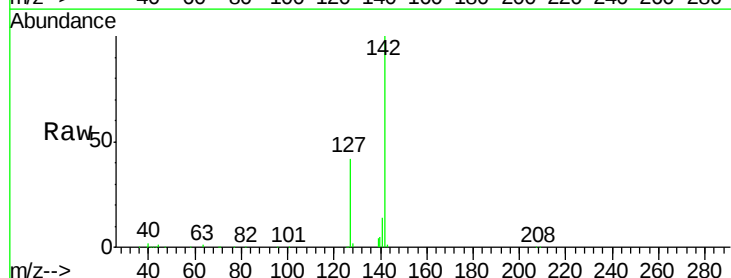
RT: 4.30 min Scan# 404

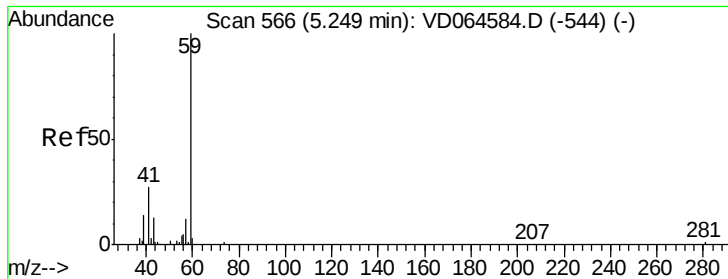
Delta R.T. 0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion:	142	Resp:	477591
Ion Ratio	Lower	Upper	
142	100		
127	43.9	36.2	54.4
141	14.4	11.8	17.8





#11

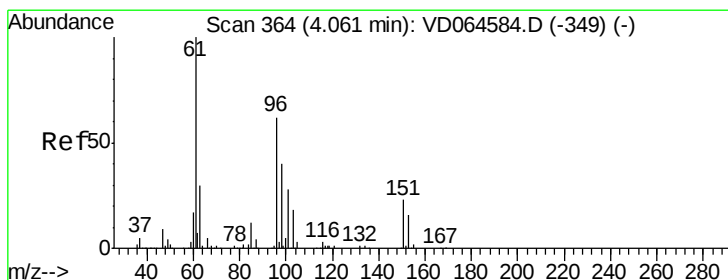
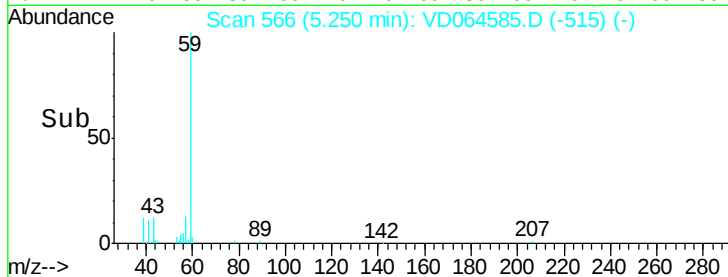
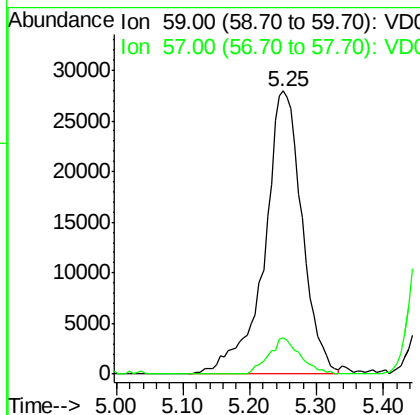
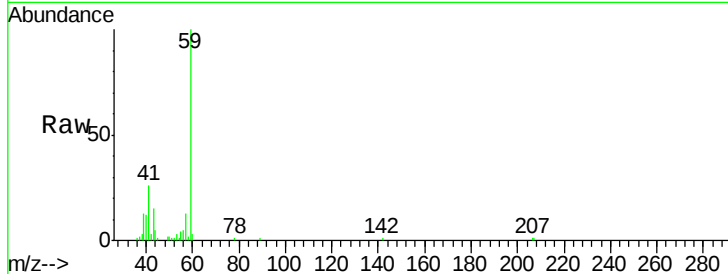
Tert butyl alcohol
Concen: 695.243 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	59	Resp	110436
Ion Ratio	59	100	
Lower	57	10.7	9.3
Upper			13.9

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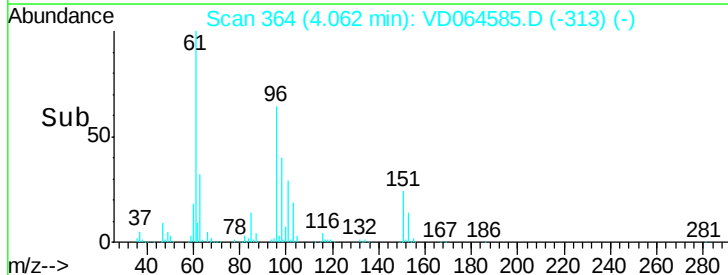
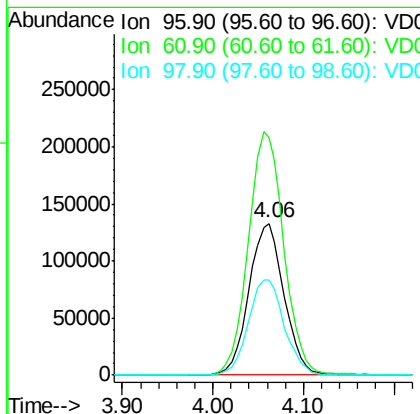
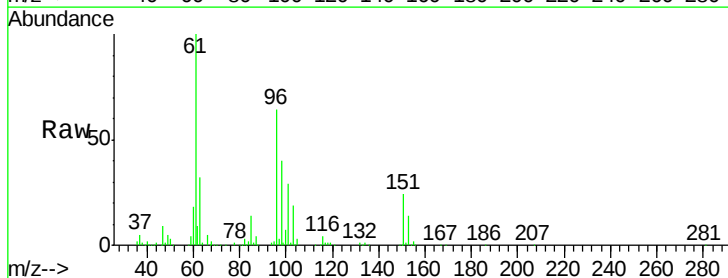
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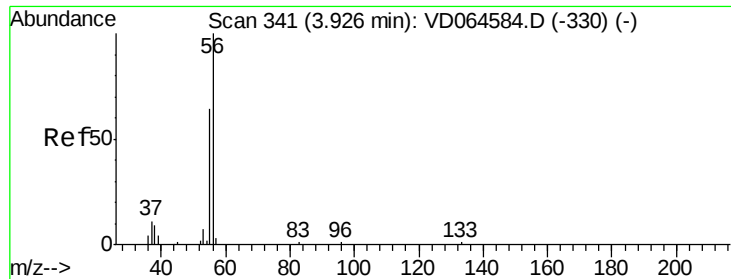


#12

1,1-Dichloroethene
Concen: 87.177 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion	96	Resp	356467
Ion Ratio	96	100	
Lower	61	156.6	129.4
Upper	98	62.7	51.4
			77.0





#13

Acrolein

Concen: 484.197 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 154553

Ion Ratio Lower Upper

56 100

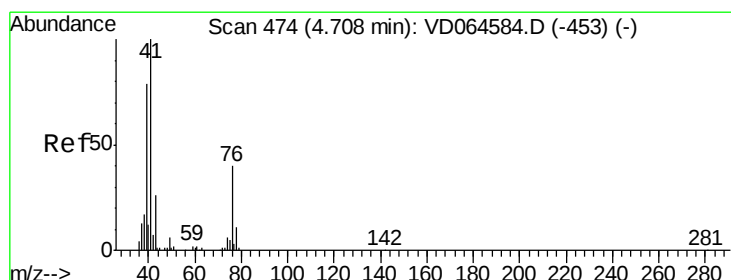
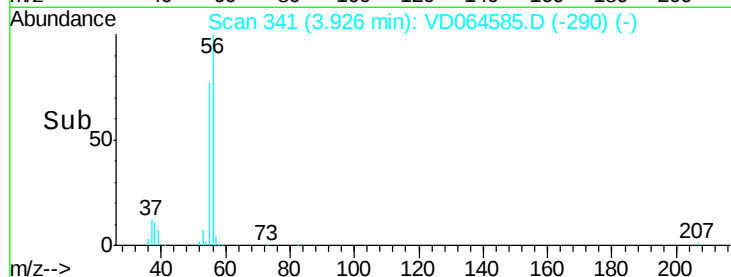
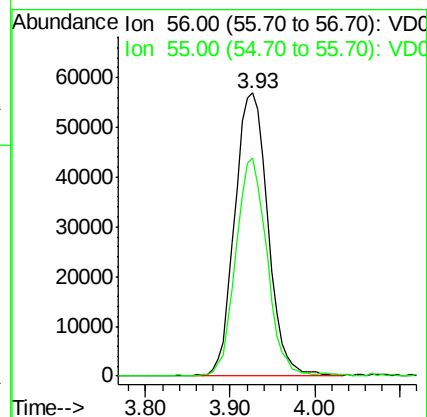
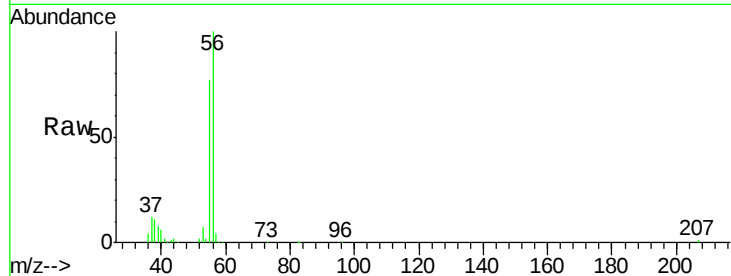
55 72.1 56.7 85.1

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#14

Allyl chloride

Concen: 90.042 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

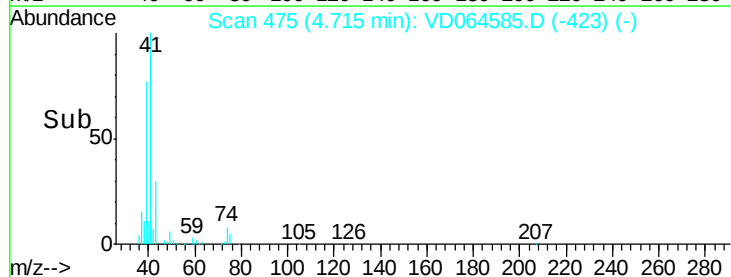
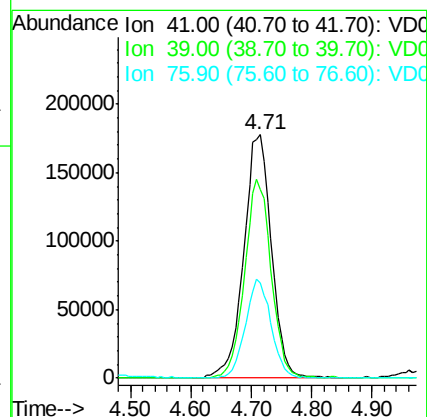
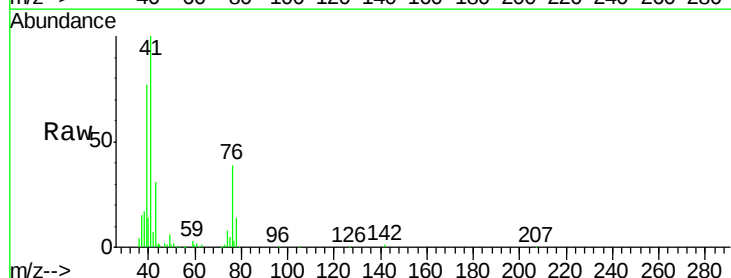
Tgt Ion: 41 Resp: 566275

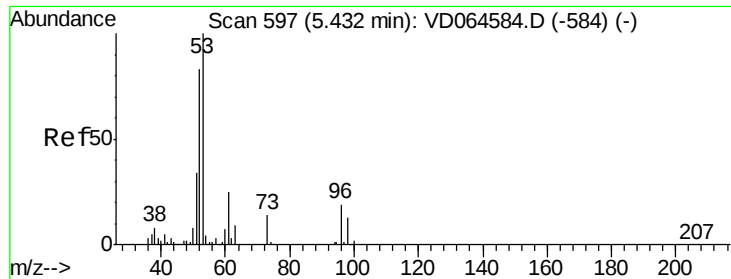
Ion Ratio Lower Upper

41 100

39 78.2 62.3 93.5

76 37.1 29.7 44.5





#15

Acrylonitrile

Concen: 454.820 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

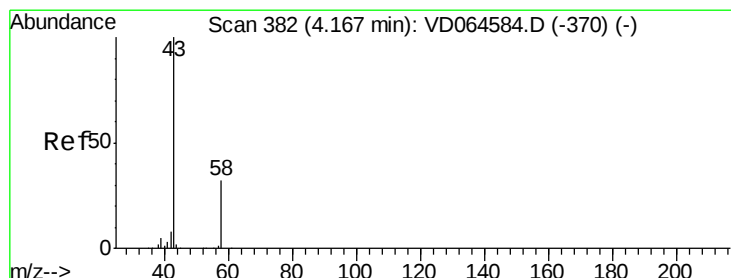
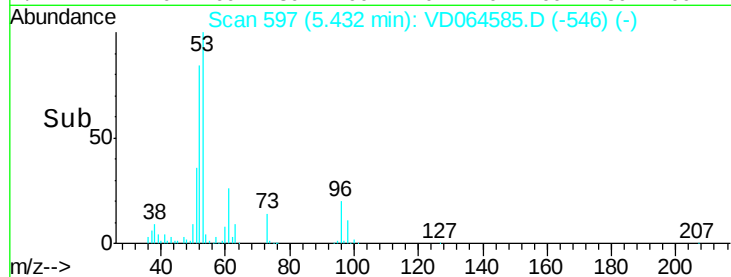
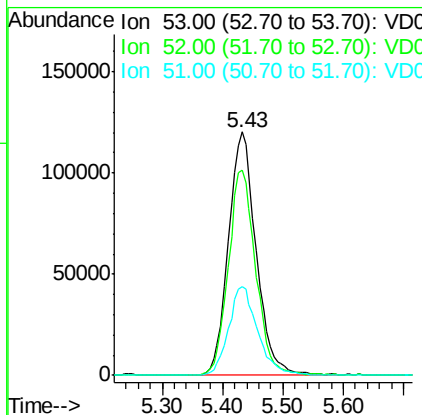
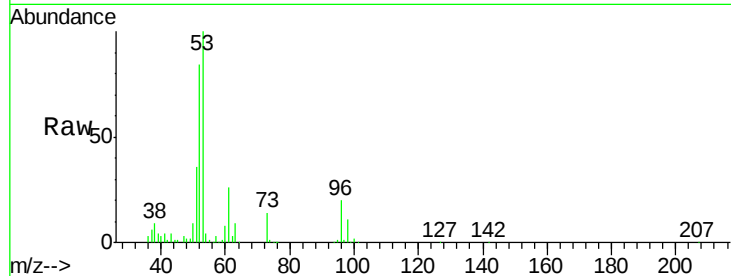
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	384426
Ion Ratio		Lower	Upper
53	100		
52	82.7	66.2	99.2
51	38.2	30.1	45.1

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#16

Acetone

Concen: 426.926 ug/l

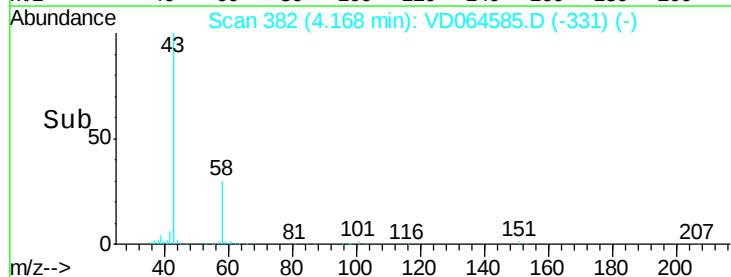
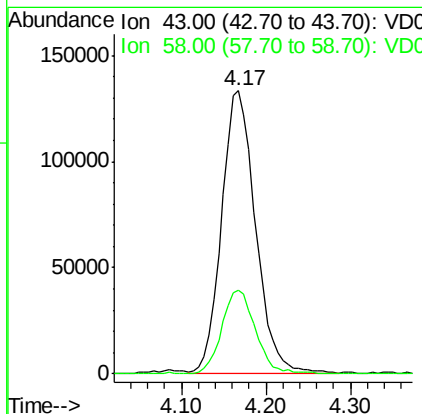
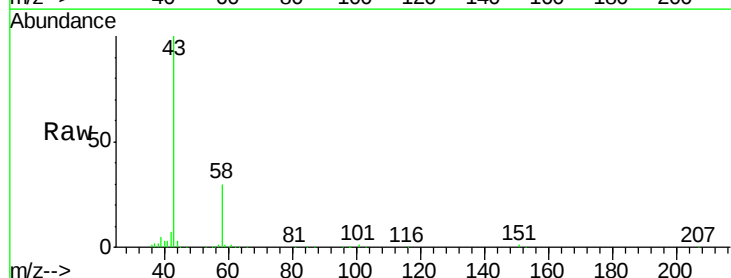
RT: 4.17 min Scan# 382

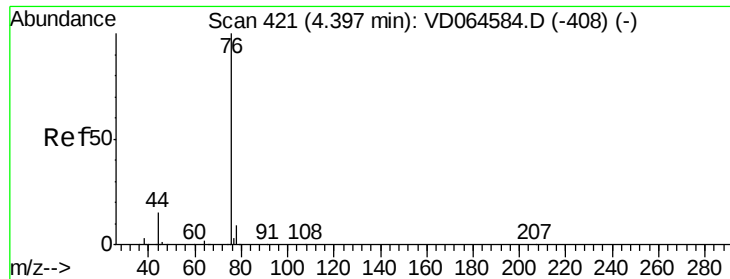
Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion:	43	Resp:	368184
Ion Ratio		Lower	Upper
43	100		
58	29.6	25.8	38.6





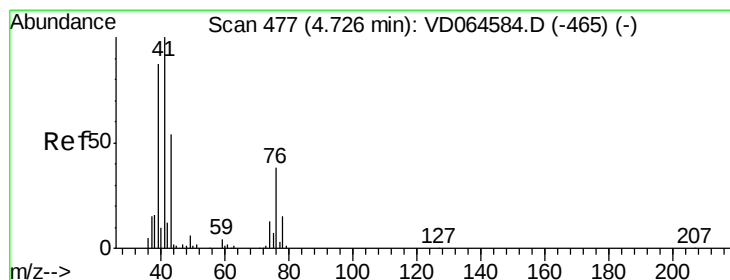
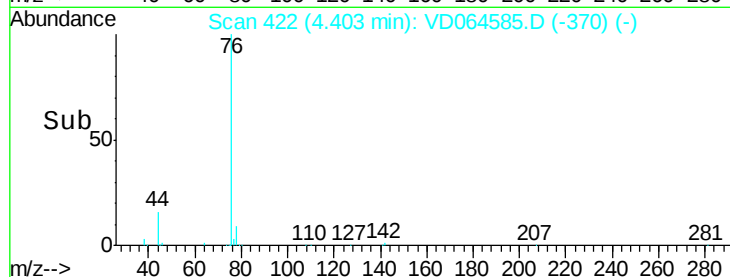
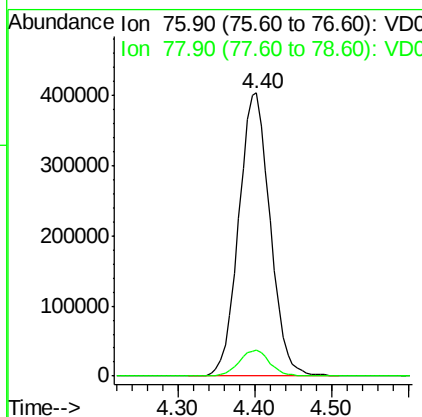
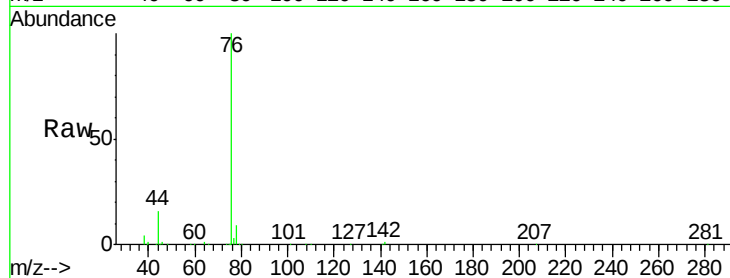
#17
Carbon Disulfide
Concen: 87.106 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1151666
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

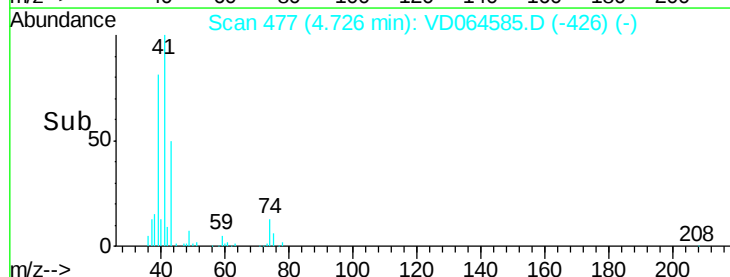
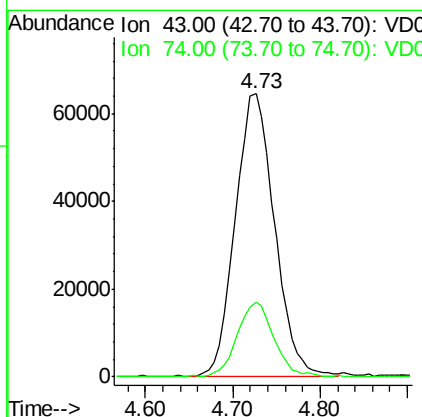
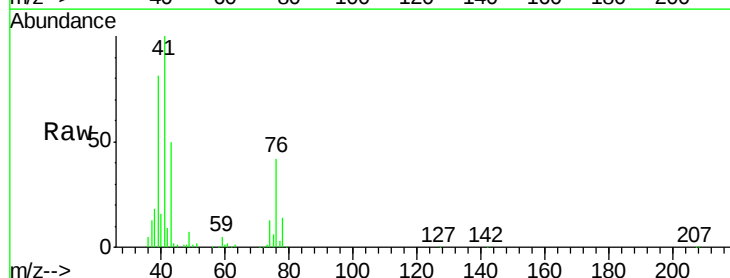
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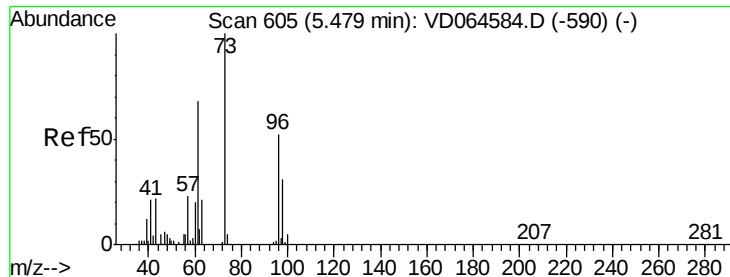
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#18
Methyl Acetate
Concen: 85.628 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 43 Resp: 197558
Ion Ratio Lower Upper
43 100
74 24.5 19.2 28.8





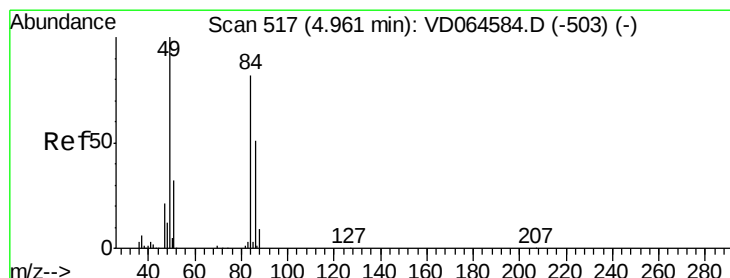
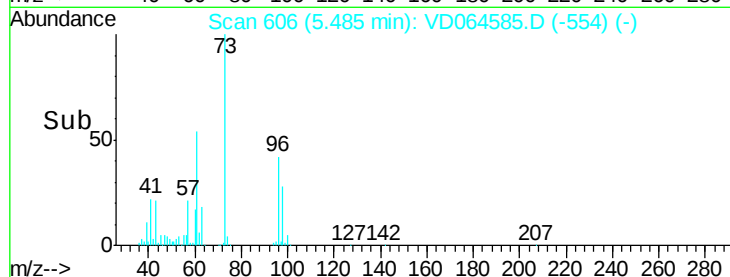
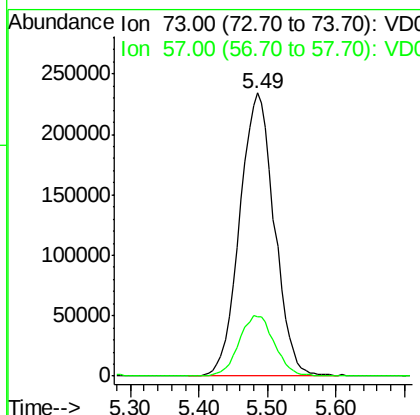
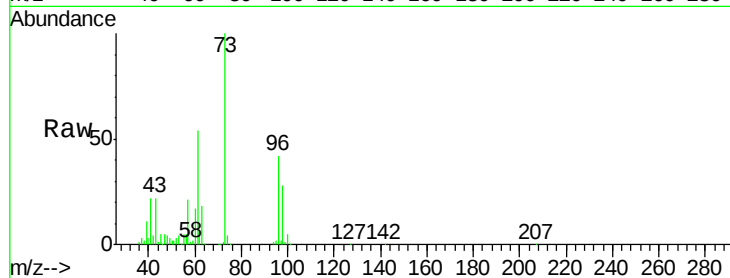
#19
Methvl tert-butvl Ether
Concen: 92.913 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.6	27.8

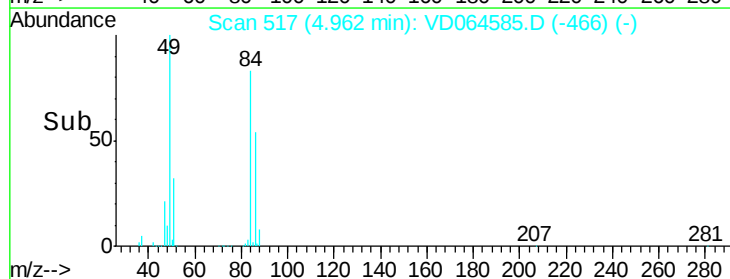
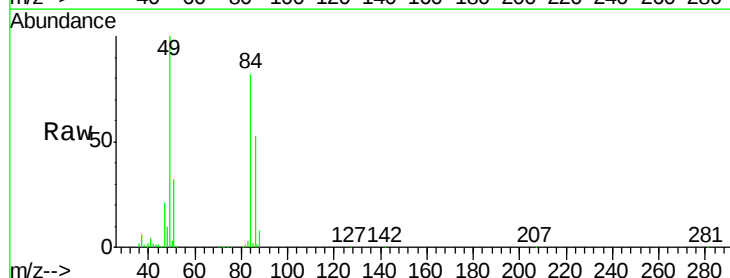
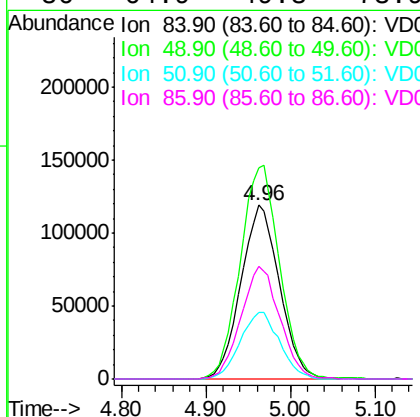
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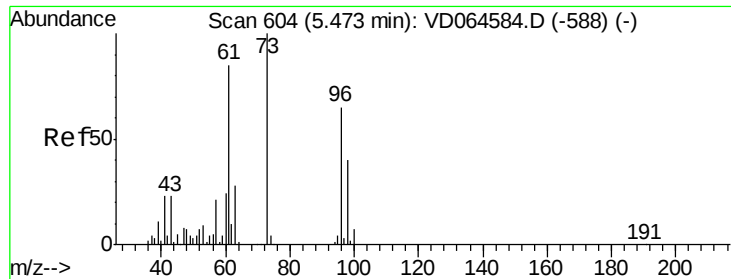
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#20
Methylene Chloride
Concen: 74.119 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.7	97.2	145.8
51	38.5	31.4	47.0
86	64.9	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 89.074 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 410280

Ion Ratio Lower Upper

96 100

61 128.1 104.7 157.1

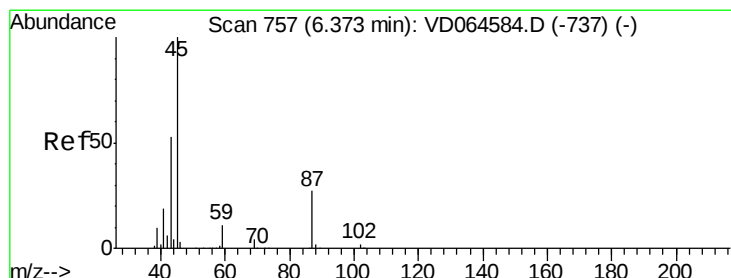
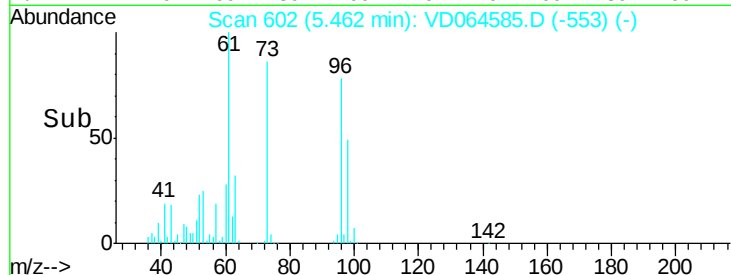
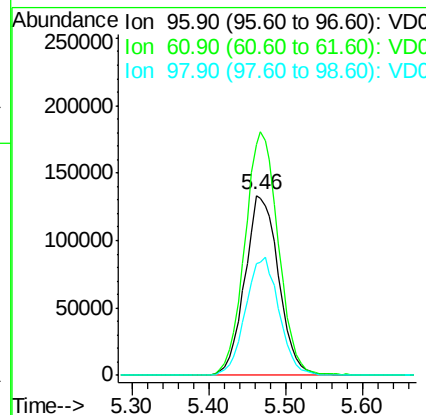
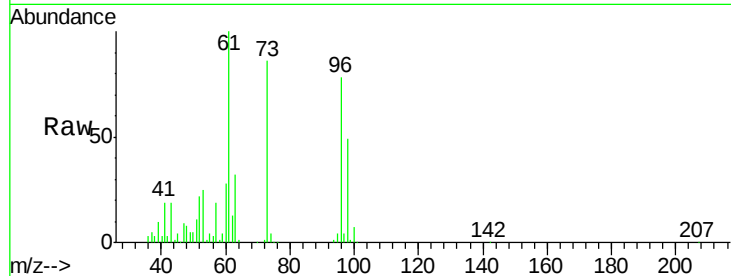
98 62.1 49.4 74.2

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#22

Diisopropyl ether

Concen: 91.157 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion: 45 Resp: 1138247

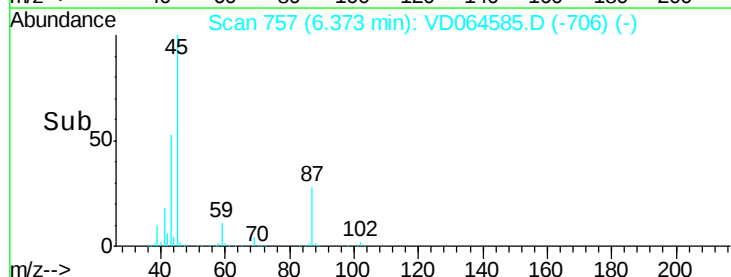
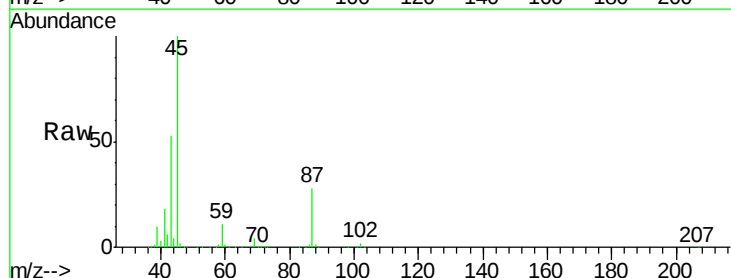
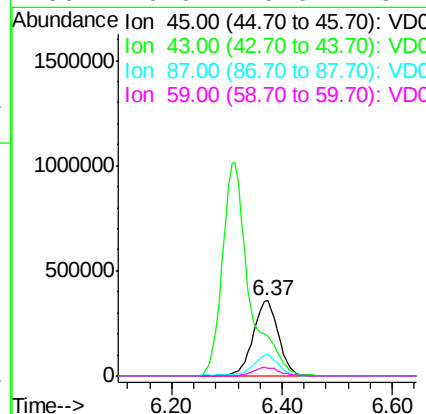
Ion Ratio Lower Upper

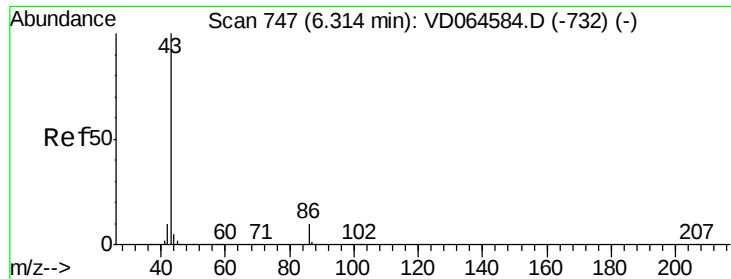
45 100

43 52.7 43.2 64.8

87 28.2 21.9 32.9

59 10.9 9.0 13.4





#23

Vinyl Acetate

Concen: 499.447 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleID :

VSTDICC100

Tot Ion: 43 Resp: 3437304

Ion Ratio Lower Upper

43 100

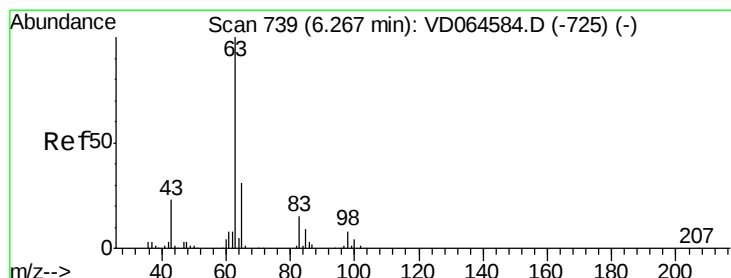
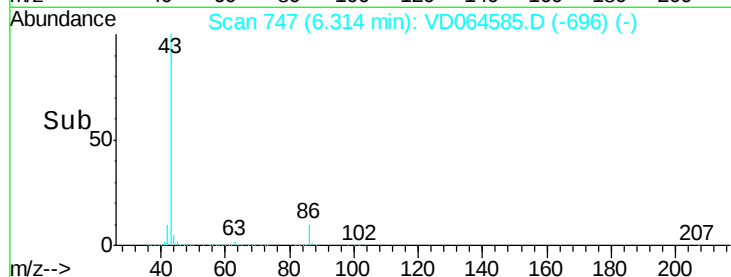
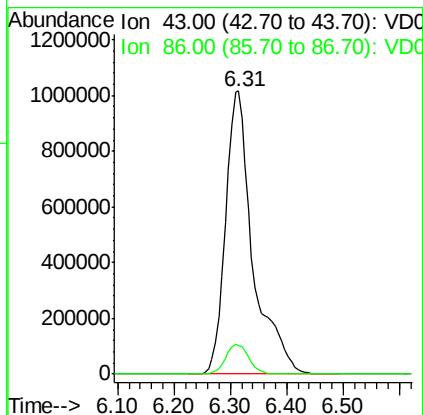
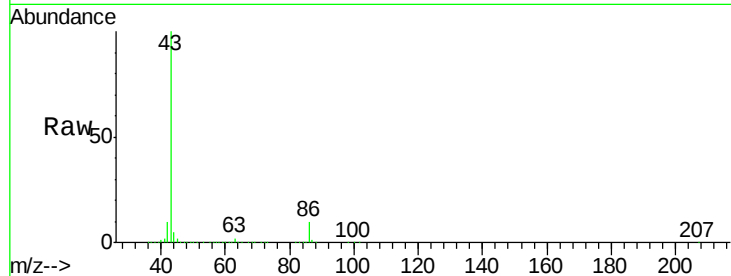
86 10.3 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 89.526 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

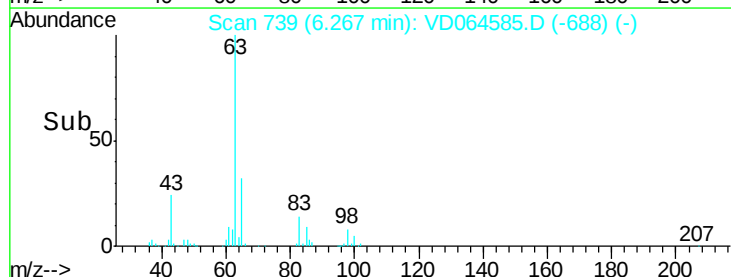
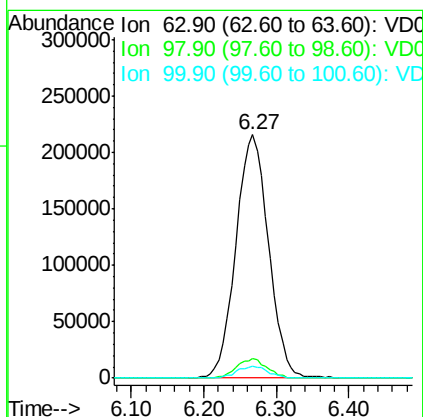
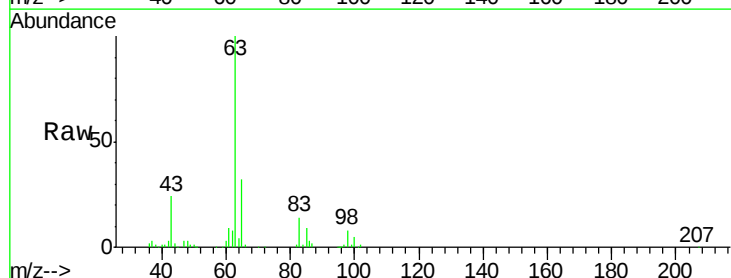
Tgt Ion: 63 Resp: 675246

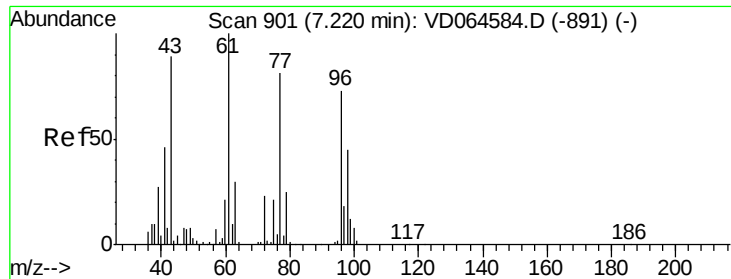
Ion Ratio Lower Upper

63 100

98 8.0 4.1 12.3

100 4.9 2.2 6.6





#25

2-Butanone

Concen: 466.322 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 516288

Ion Ratio Lower Upper

43 100

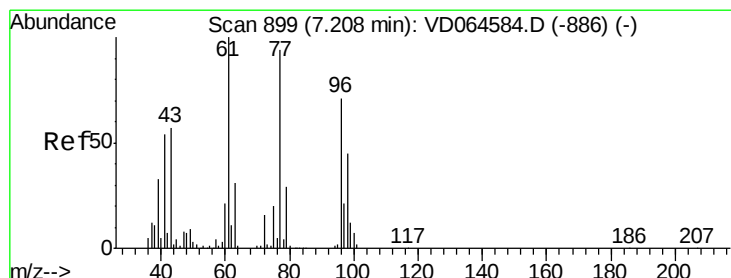
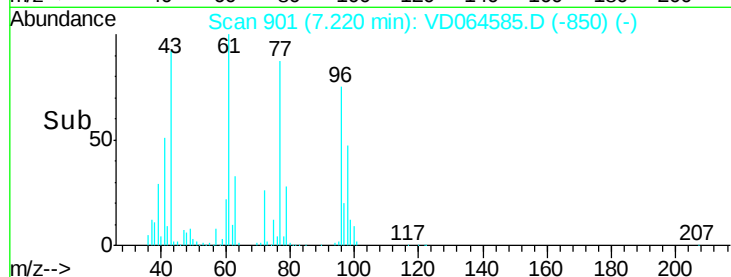
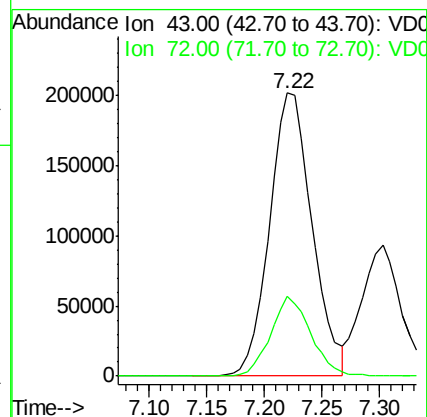
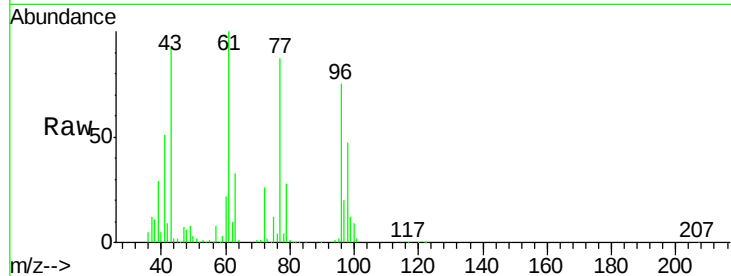
72 28.3 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 87.590 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064585.D

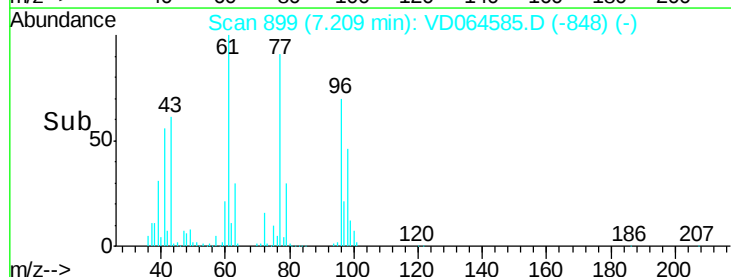
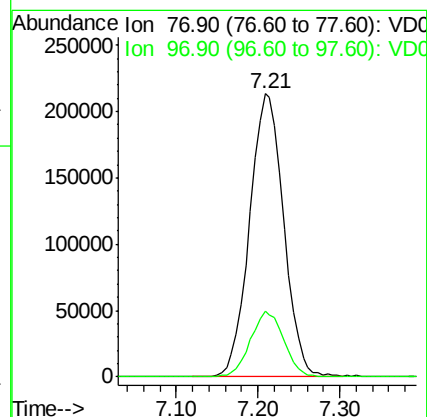
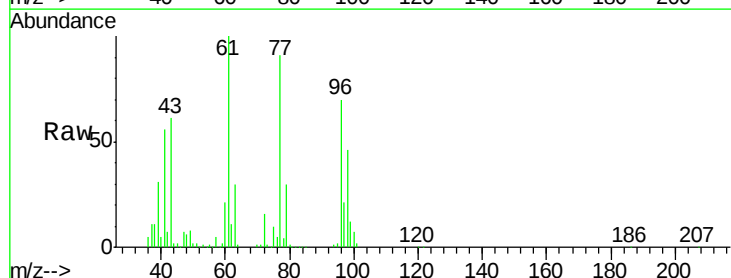
Acq: 24 Dec 2019 12:14

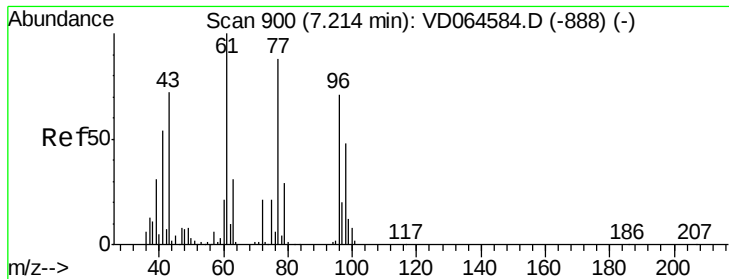
Tgt Ion: 77 Resp: 618418

Ion Ratio Lower Upper

77 100

97 22.8 11.2 33.6





#27

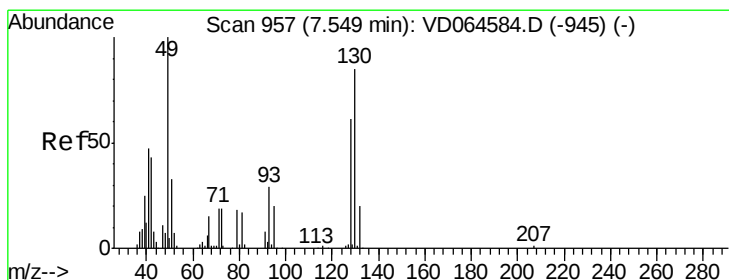
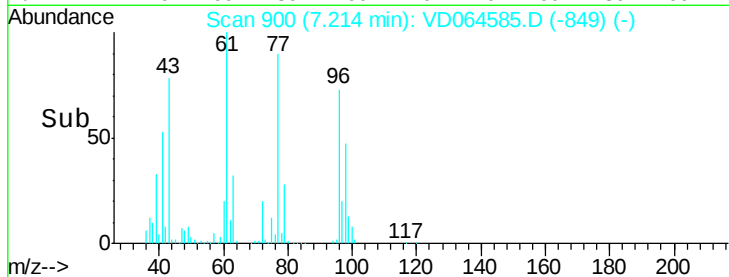
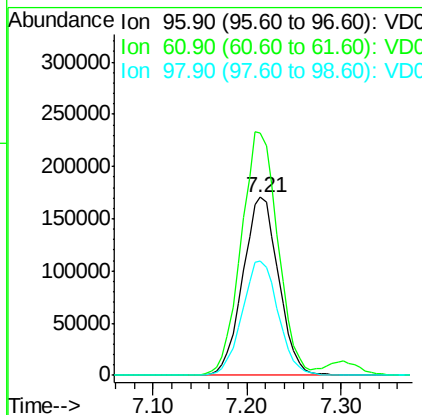
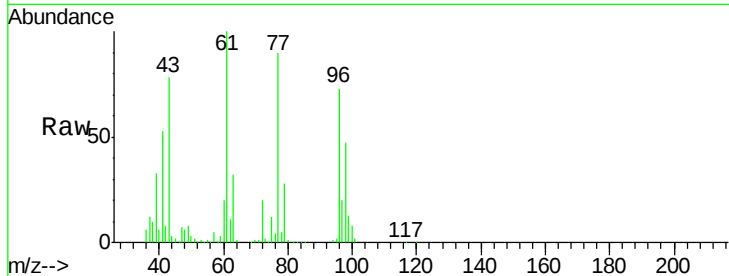
cis-1,2-Dichloroethene
 Concen: 91.059 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	449872		
61	140.3	0.0	282.6	
98	65.2	0.0	130.8	

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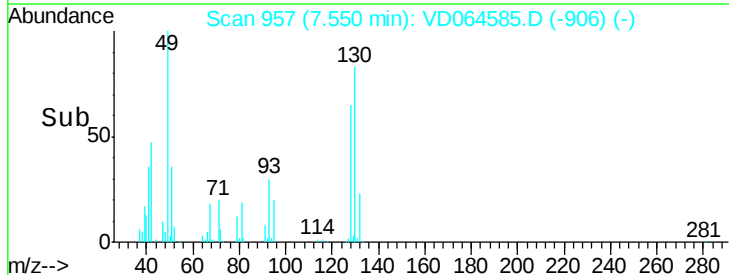
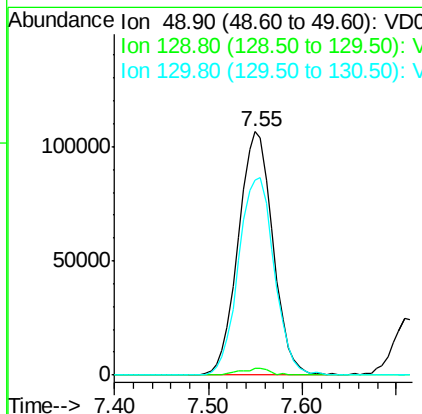
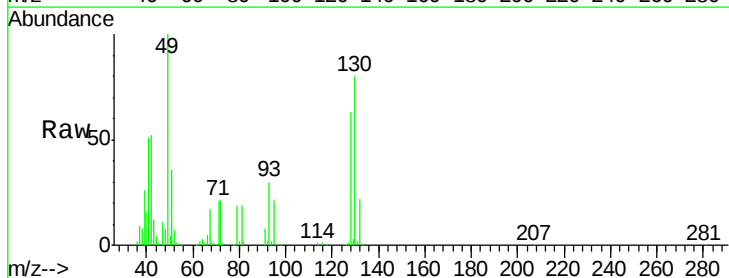
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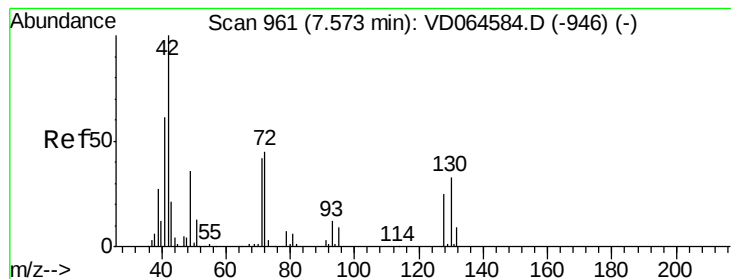


#28

Bromochloromethane
 Concen: 94.098 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	272463		
129	2.4	0.0	4.8	
130	83.6	65.0	97.6	





#29

Tetrahydrofuran

Concen: 469.495 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

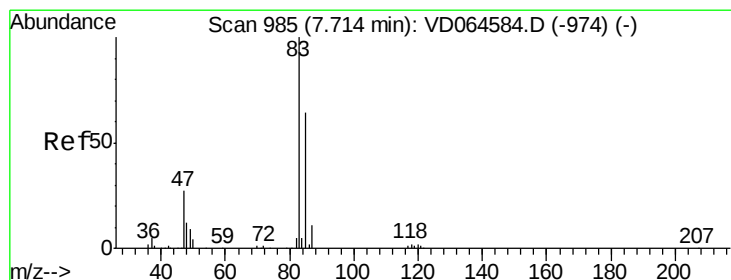
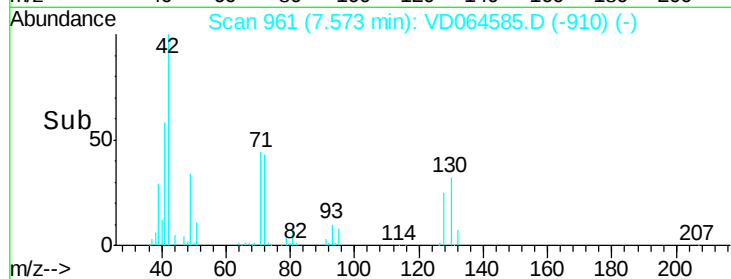
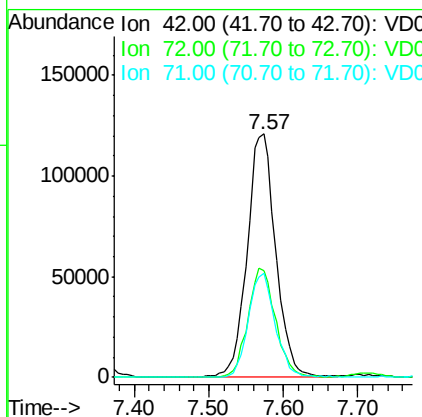
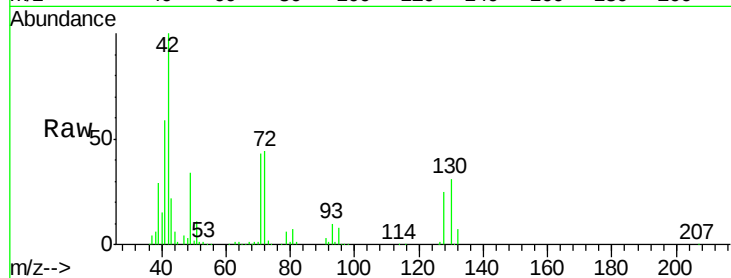
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	322147
Ion Ratio		Lower	Upper
42	100		
72	43.3	35.0	52.4
71	40.2	32.9	49.3

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#30

Chloroform

Concen: 88.498 ug/l

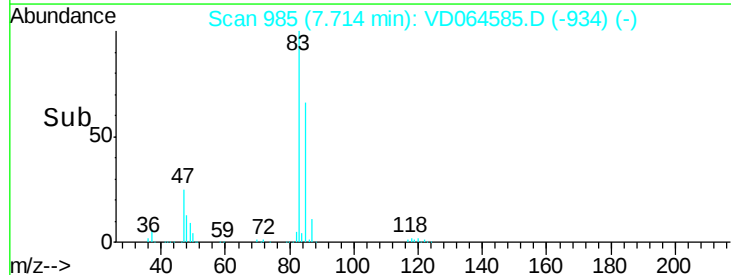
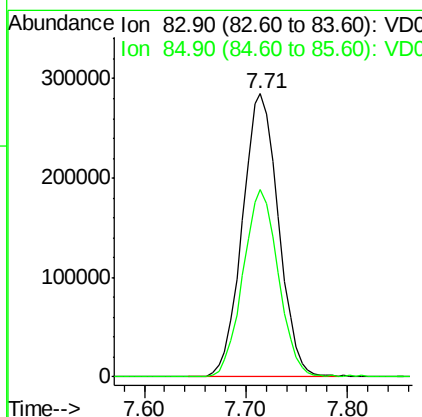
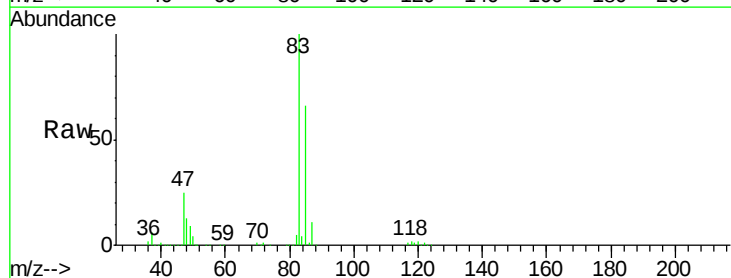
RT: 7.71 min Scan# 985

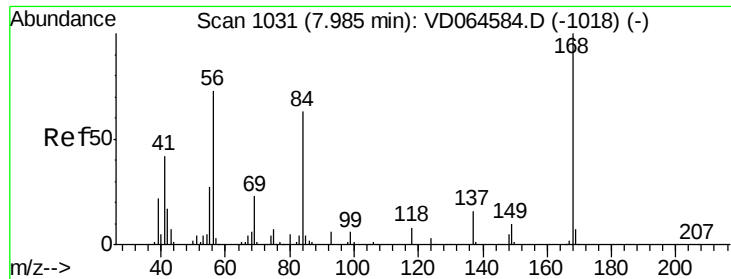
Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion:	83	Resp:	702649
Ion Ratio		Lower	Upper
83	100		
85	66.0	51.1	76.7





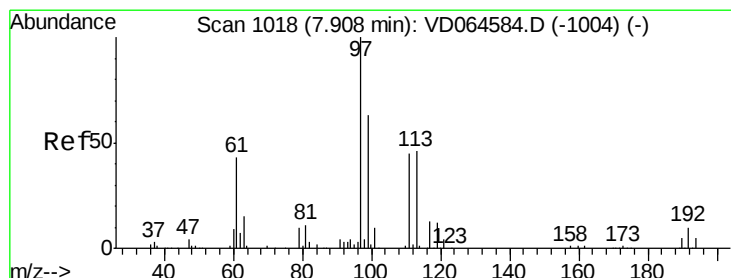
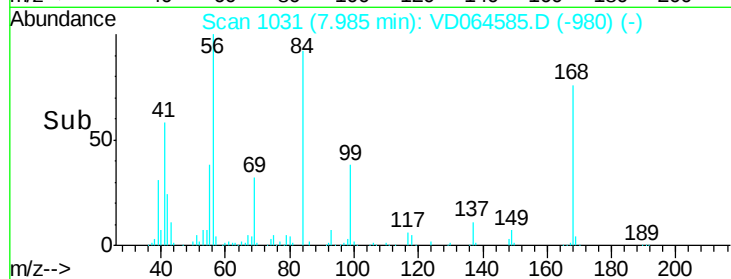
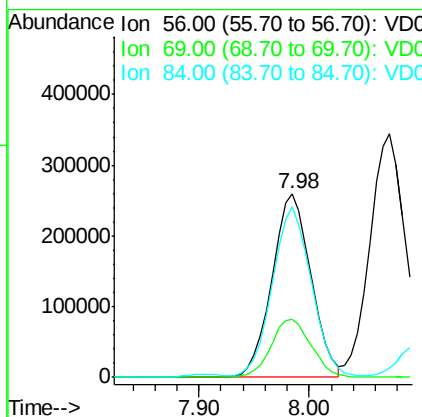
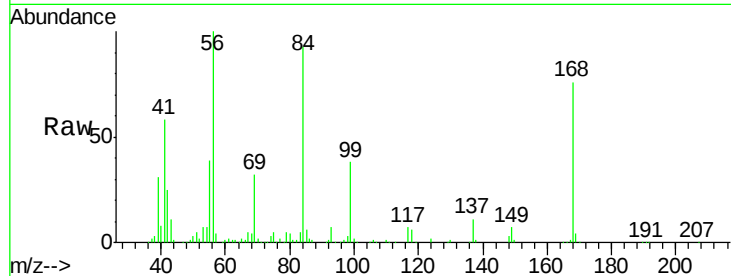
#31
Cyclohexane
Concen: 81.174 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.7	37.1
84	91.7	69.4	104.2

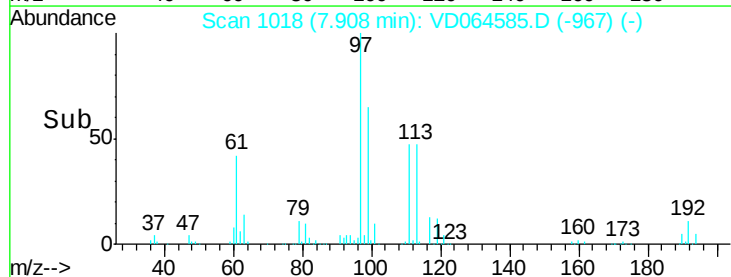
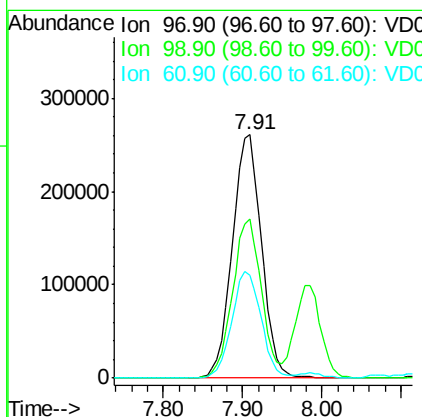
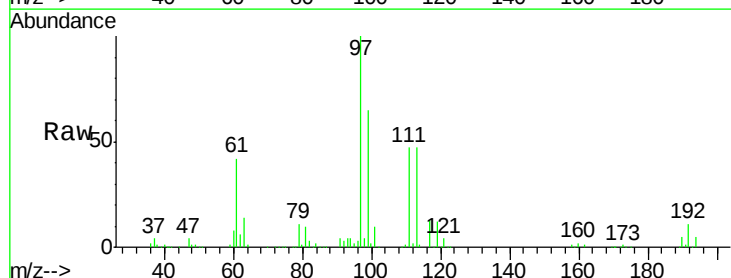
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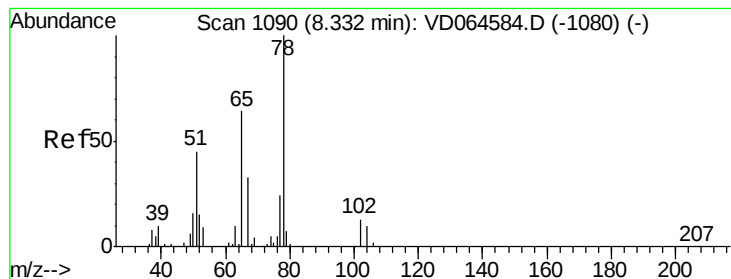
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#32
1,1,1-Trichloroethane
Concen: 89.311 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.6
61	44.0	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 95.615 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 377686

Ion Ratio Lower Upper

65 100

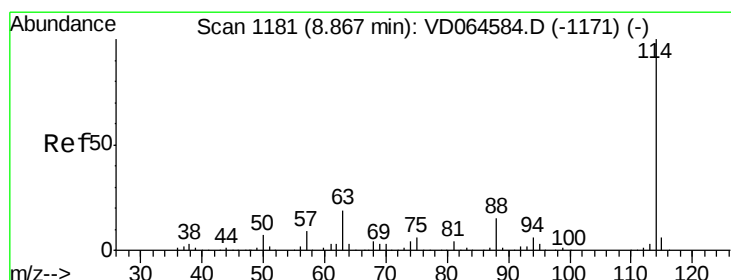
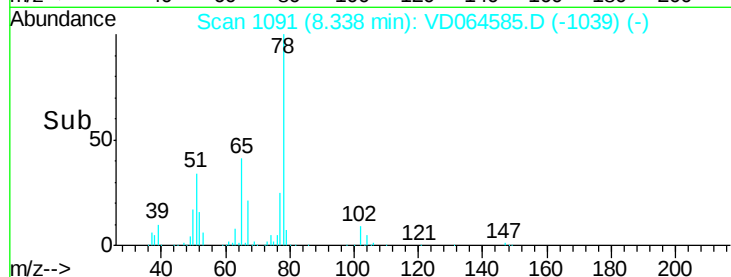
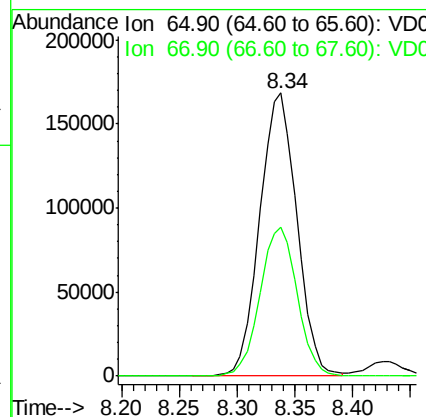
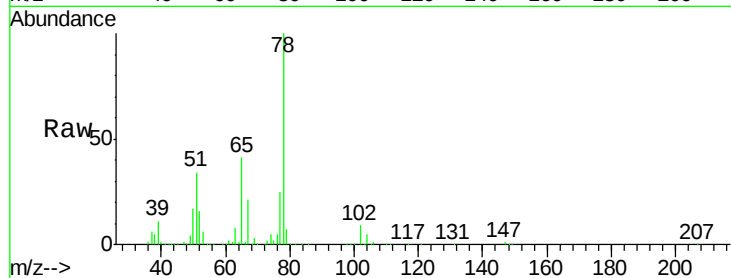
67 52.8 0.0 106.2

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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: VD064585.D

Acq: 24 Dec 2019 12:14

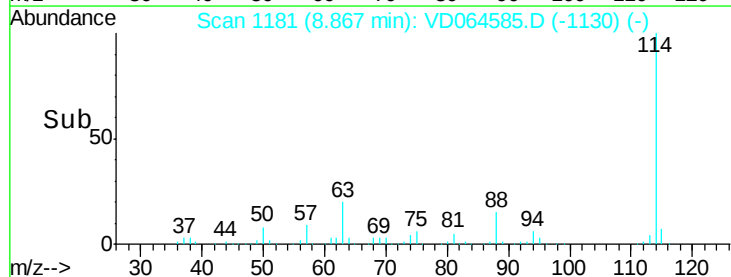
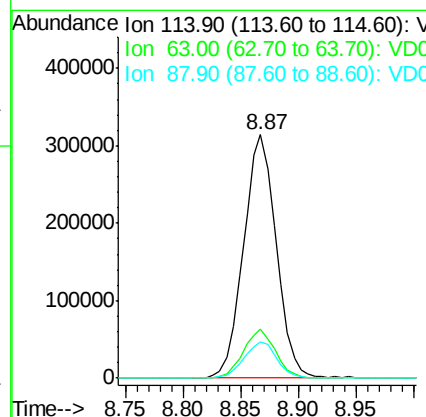
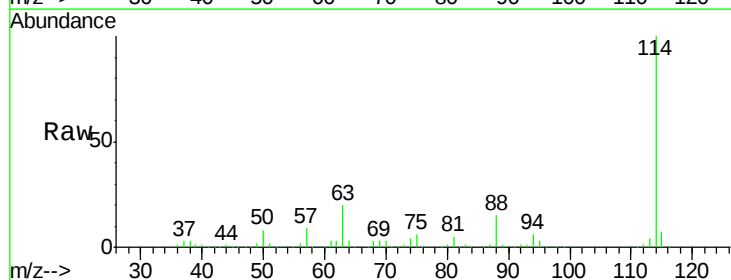
Tgt Ion: 114 Resp: 618022

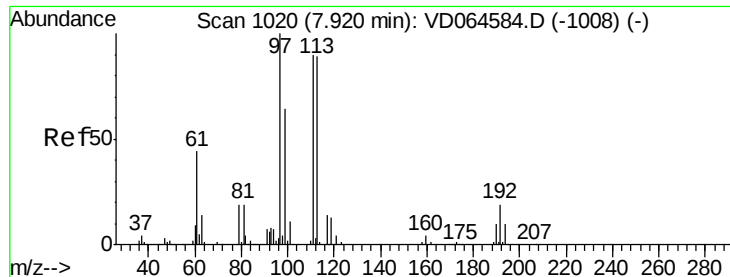
Ion Ratio Lower Upper

114 100

63 20.4 0.0 38.0

88 15.1 0.0 29.2





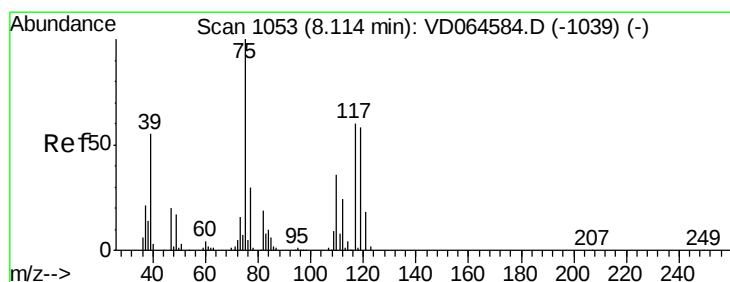
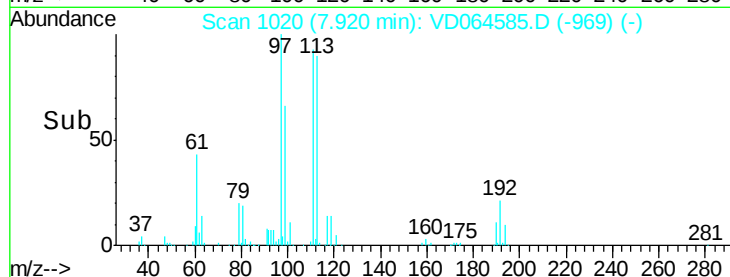
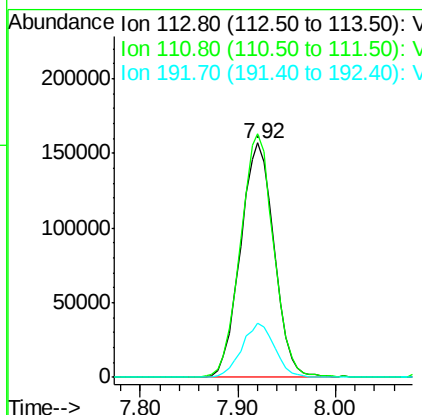
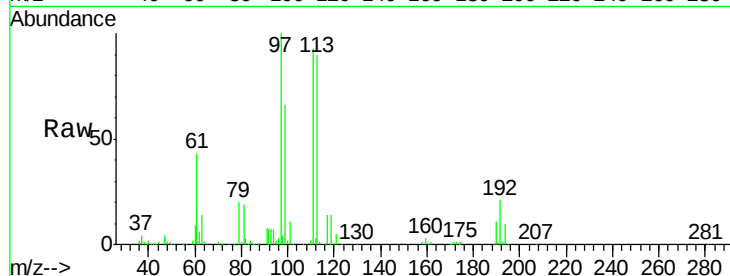
#35
 Dibromofluoromethane
 Concen: 97.662 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	80.6	121.0
192	22.6	17.9	26.9

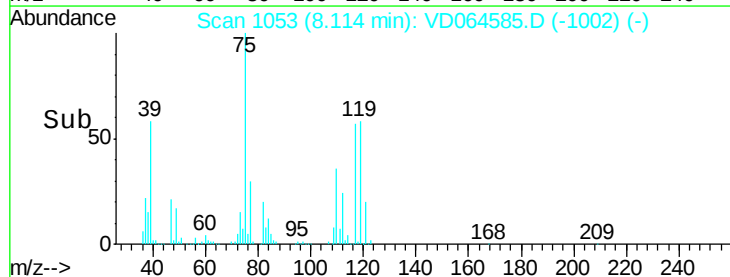
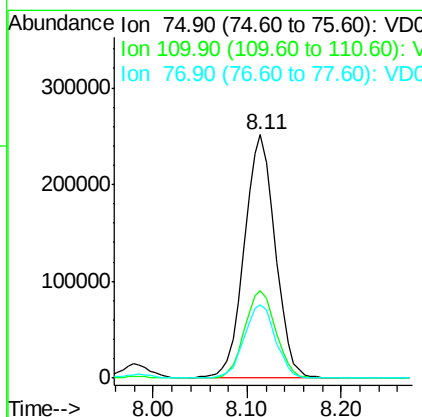
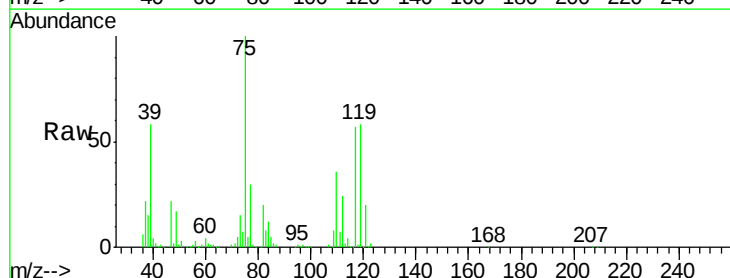
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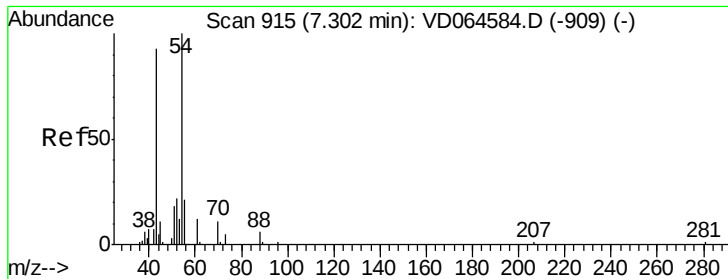
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#36
 1,1-Dichloropropene
 Concen: 92.444 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.5	18.1	54.1
77	31.1	24.2	36.4





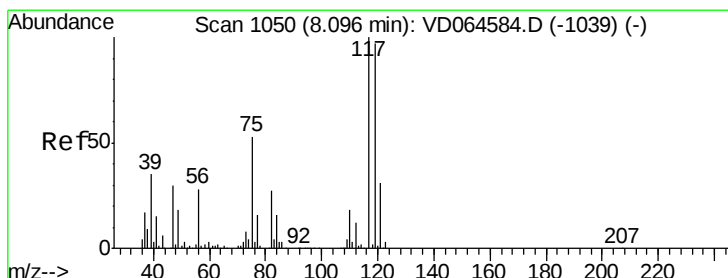
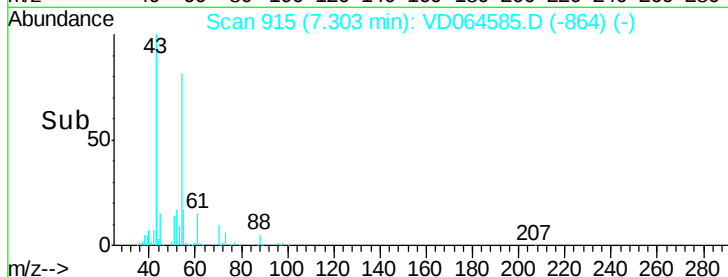
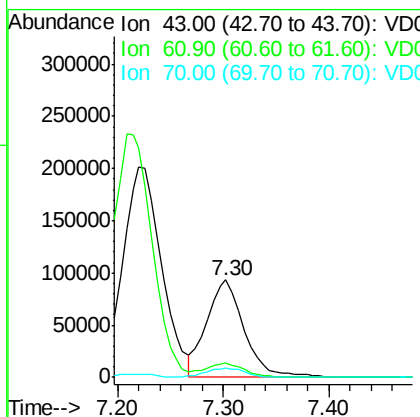
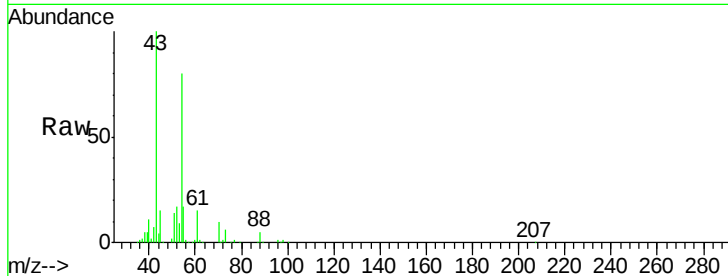
#37
Ethyl Acetate
Concen: 94.901 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.3	15.5
70	10.2	7.6	11.4

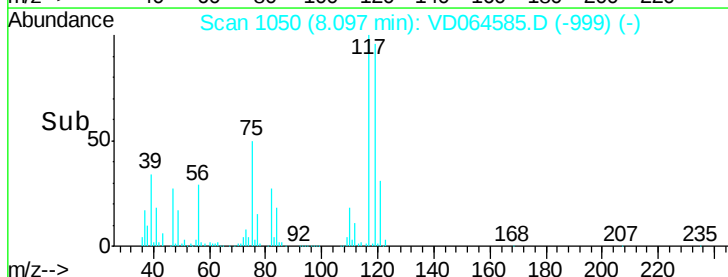
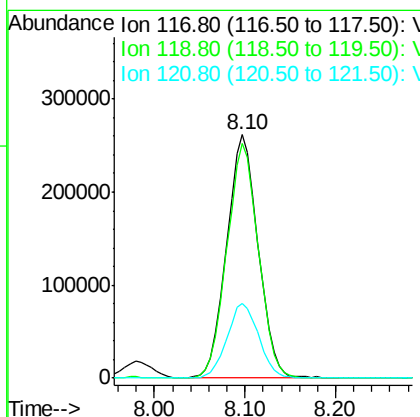
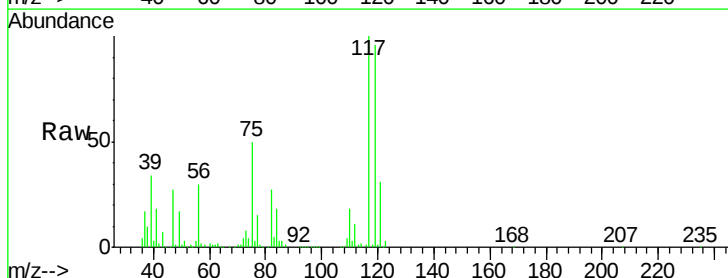
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#38
Carbon Tetrachloride
Concen: 97.477 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.3	115.9
121	30.8	25.0	37.6





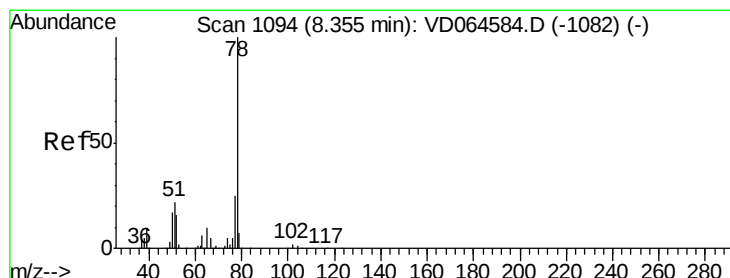
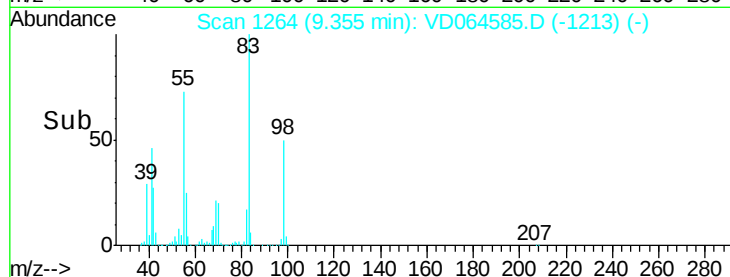
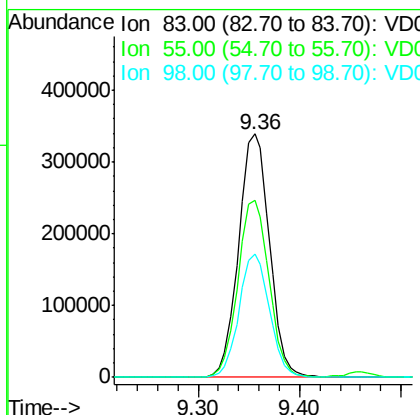
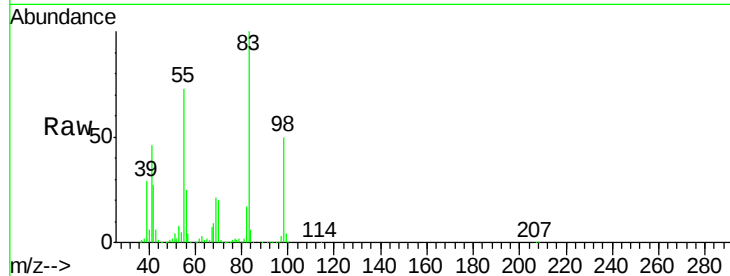
#39
Methvlcvclohexane
Concen: 97.564 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.0	57.8	86.6
98	50.5	38.7	58.1

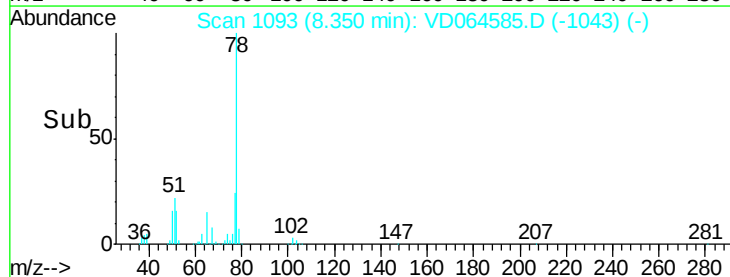
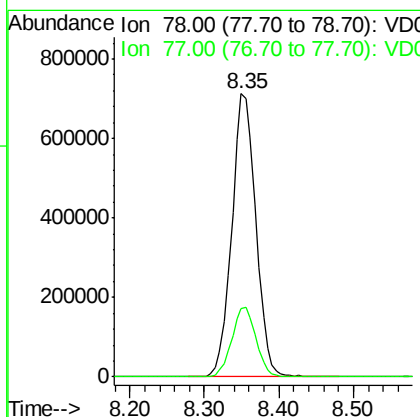
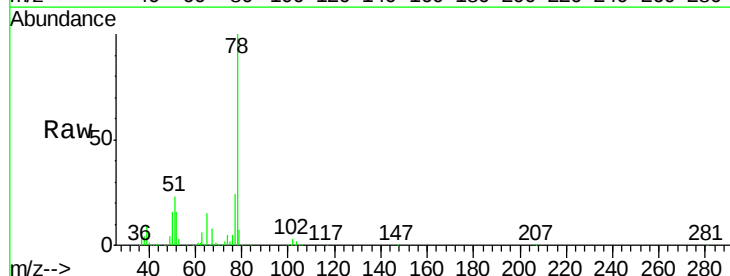
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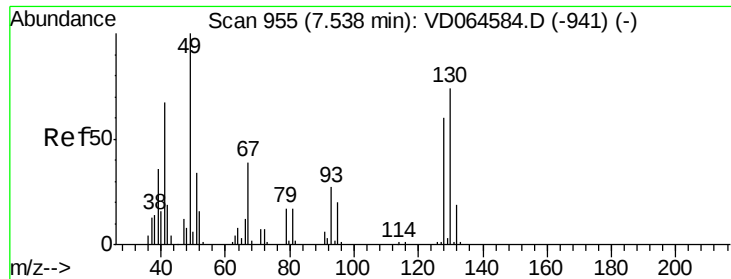
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#40
Benzene
Concen: 96.709 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.9	29.9





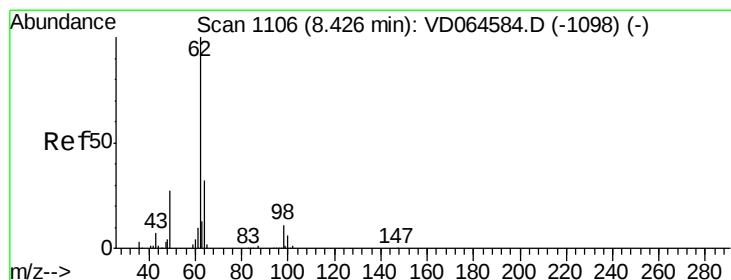
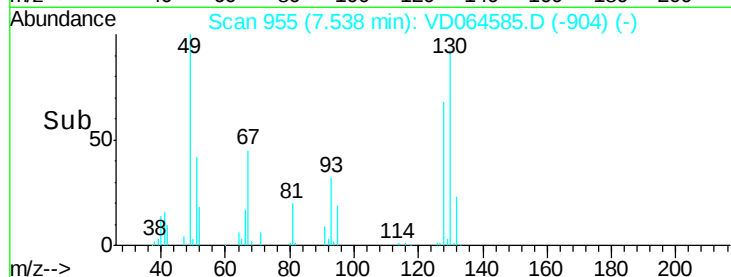
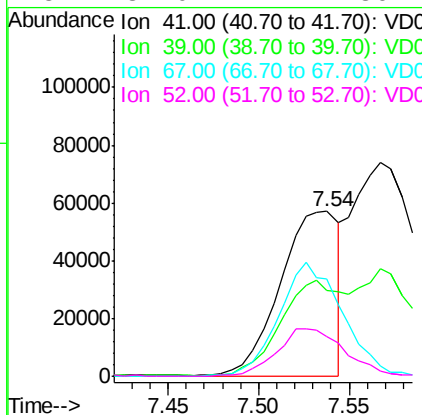
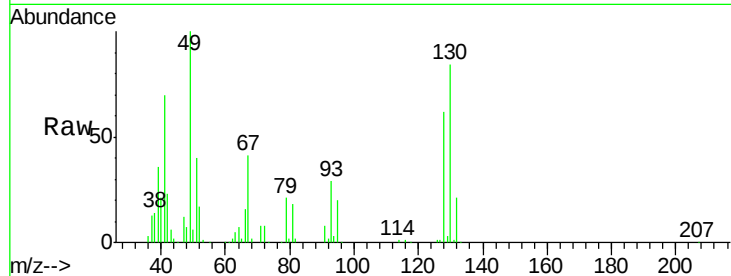
#41
Methacrylonitrile
Concen: 90.999 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	41	Resp	128129
Ion	Ratio	Lower	Upper
41	100		
39	63.7	46.7	70.1
67	75.9	52.5	78.7
52	34.0	24.1	36.1

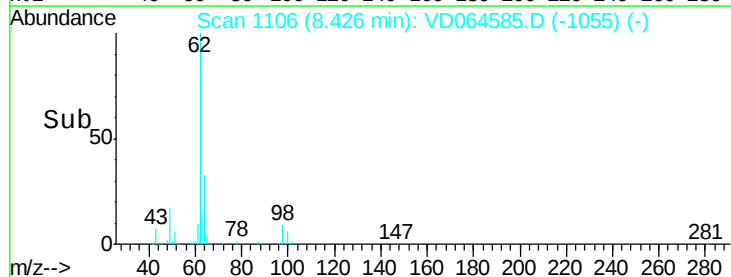
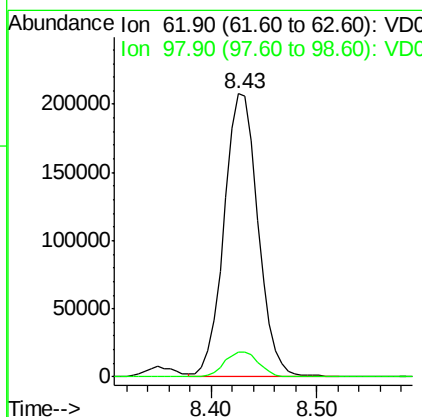
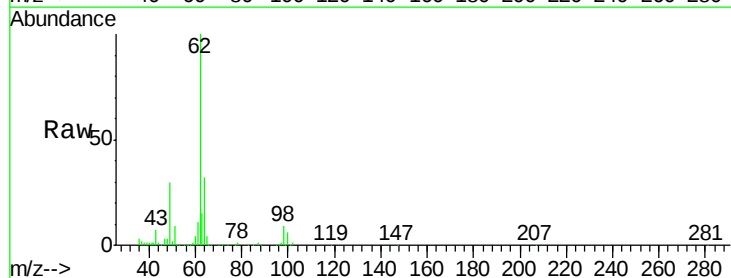
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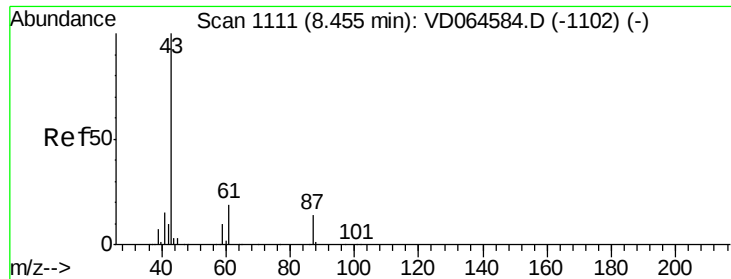
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#42
1,2-Dichloroethane
Concen: 95.904 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion	62	Resp	460870
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.0





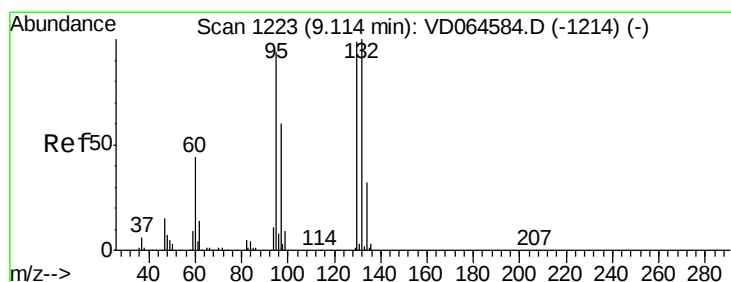
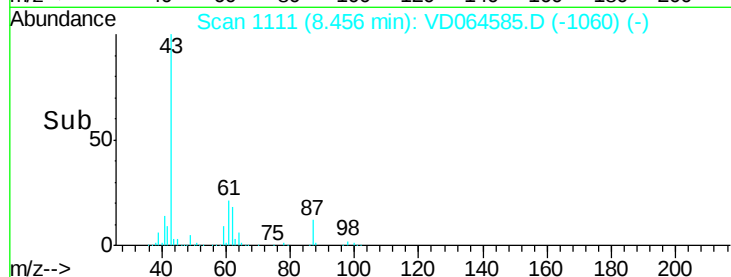
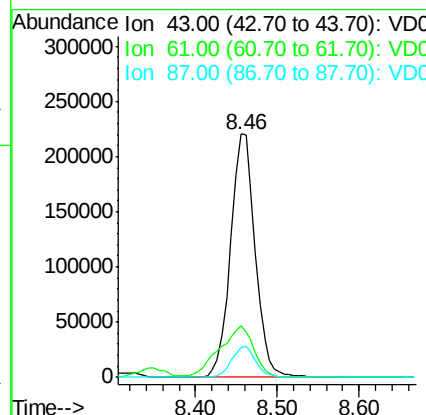
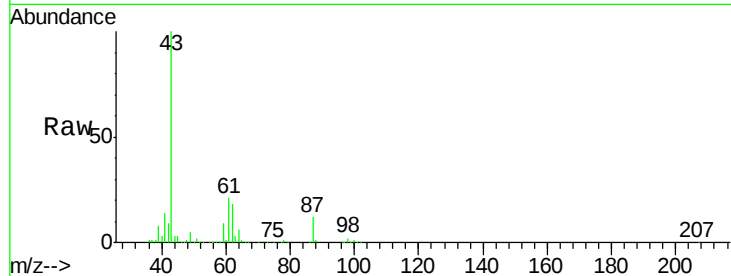
#43
Isopropyl Acetate
Concen: 97.163 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.7	35.5
87	12.6	10.5	15.7

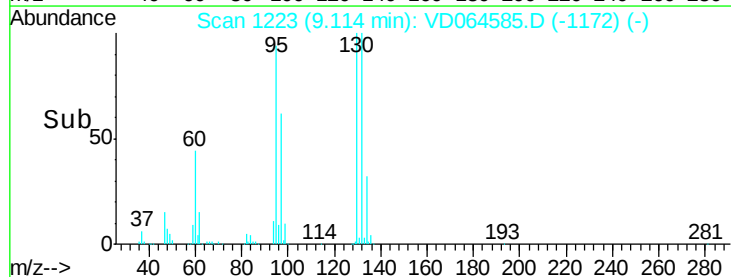
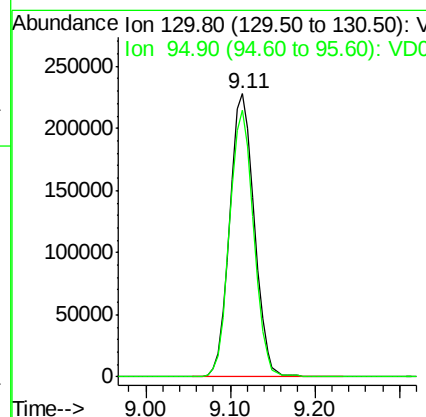
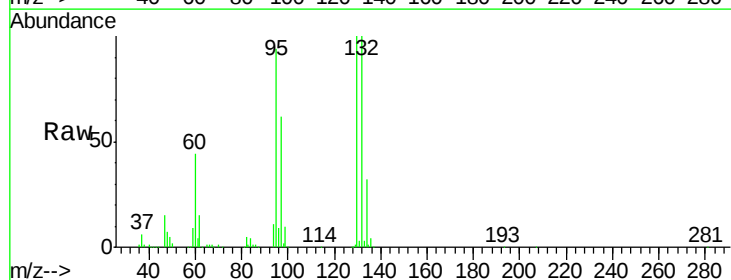
Manual Integrations
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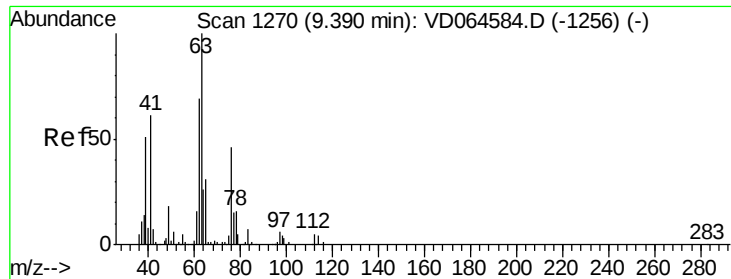
apatel
12/26/2019 11:14:00 AM



#44
Trichloroethene
Concen: 92.850 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	190.2





#45

1,2-Dichloropropane

Concen: 93.517 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 63 Resp: 373133

Ion Ratio Lower Upper

63 100

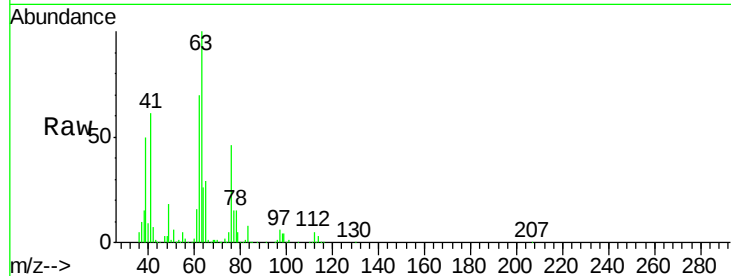
65 28.9 25.2 37.8

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

200000

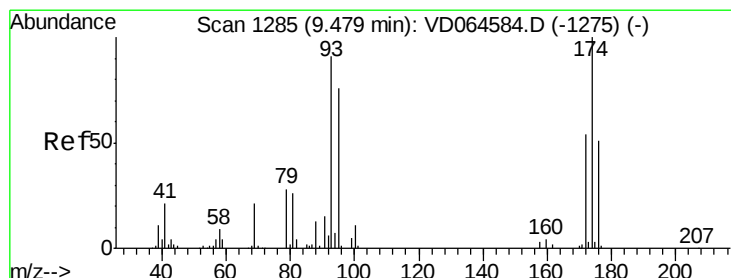
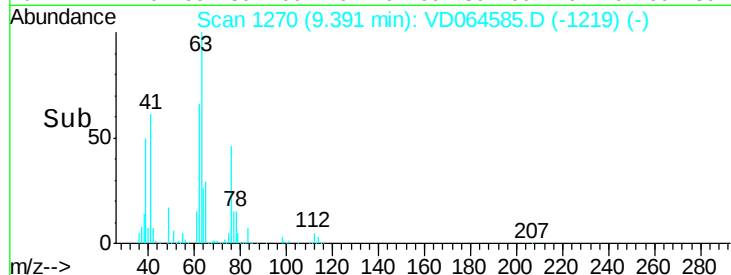
150000

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 95.525 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

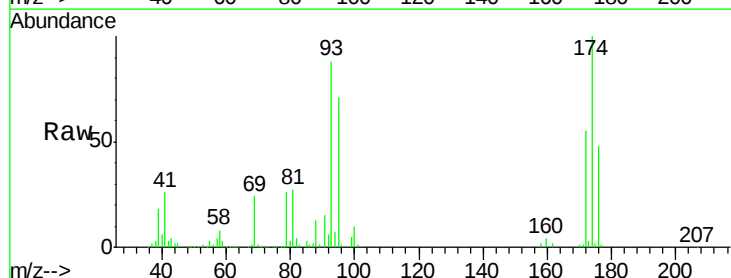
Tgt Ion: 93 Resp: 211485

Ion Ratio Lower Upper

93 100

95 81.9 64.6 97.0

174 113.3 88.1 132.1



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

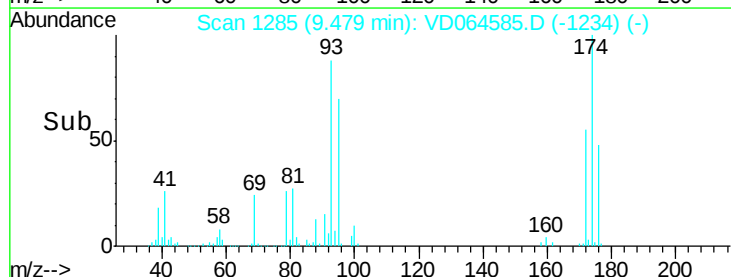
150000

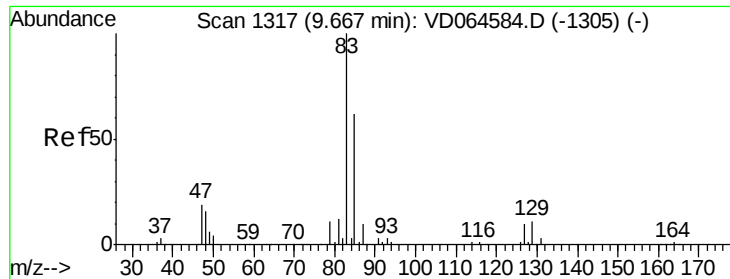
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 93.117 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

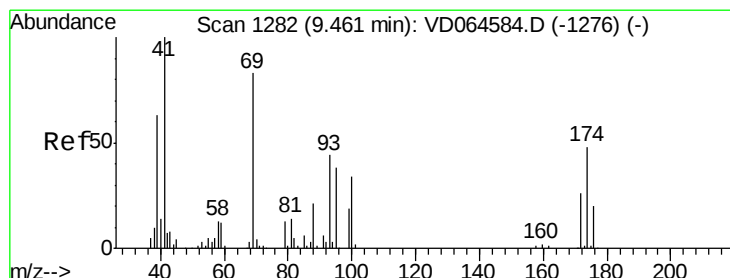
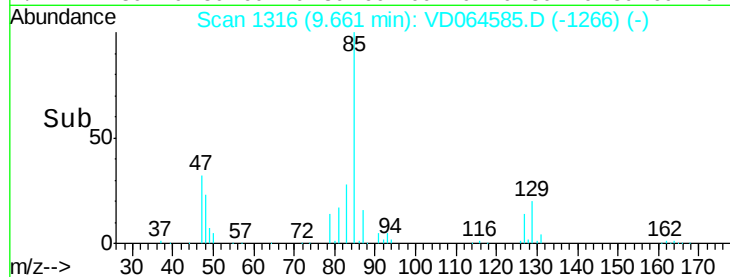
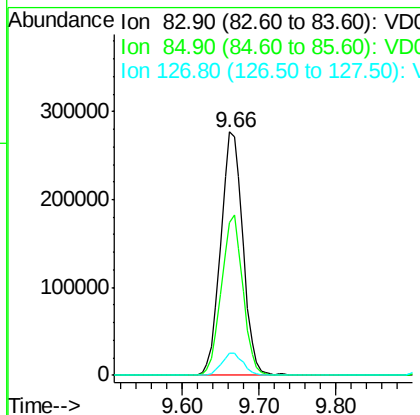
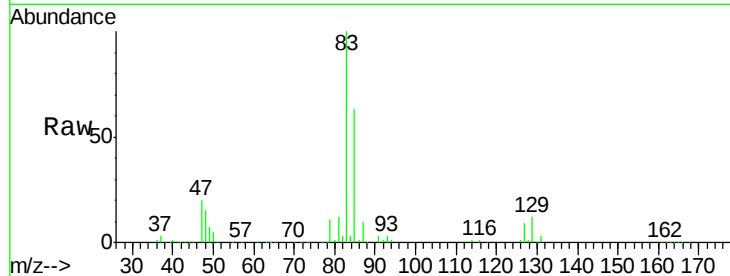
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	553459
Ion Ratio	Lower	Upper	
83	100		
85	62.5	49.5	74.3
127	8.9	7.8	11.6

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#48

Methyl methacrylate

Concen: 93.524 ug/l

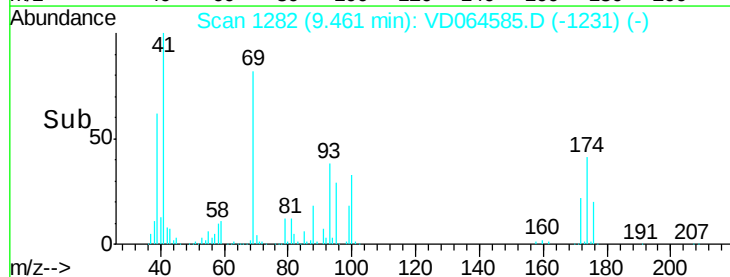
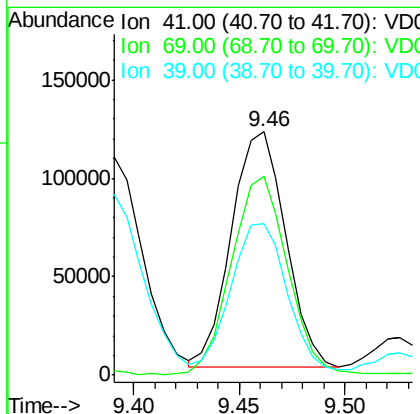
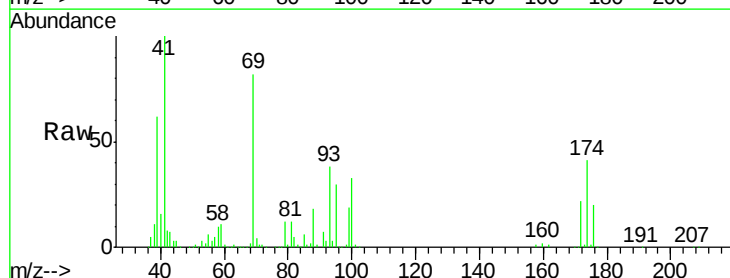
RT: 9.46 min Scan# 1282

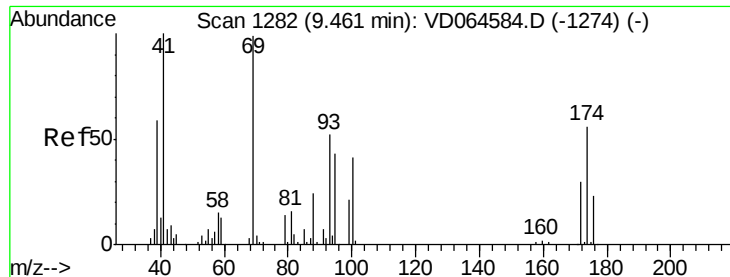
Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion:	41	Resp:	211432
Ion Ratio	Lower	Upper	
41	100		
69	88.6	63.0	94.6
39	64.1	47.4	71.2





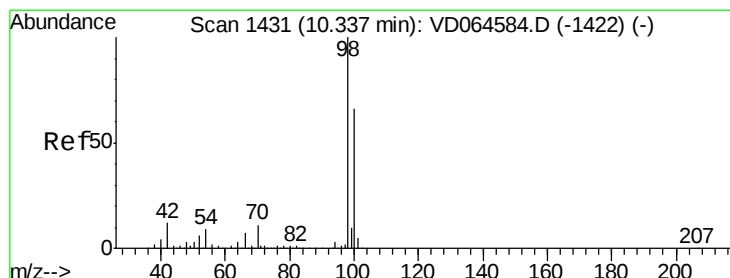
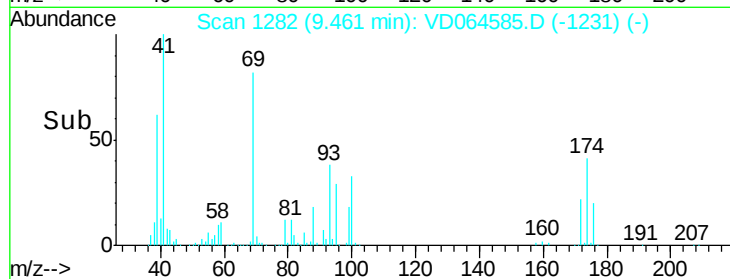
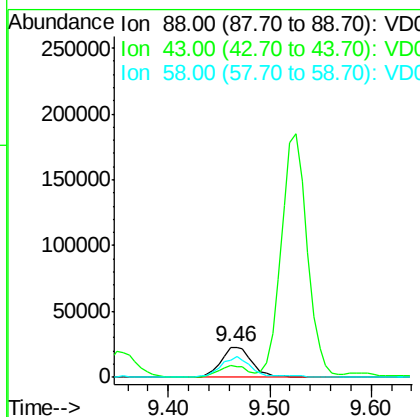
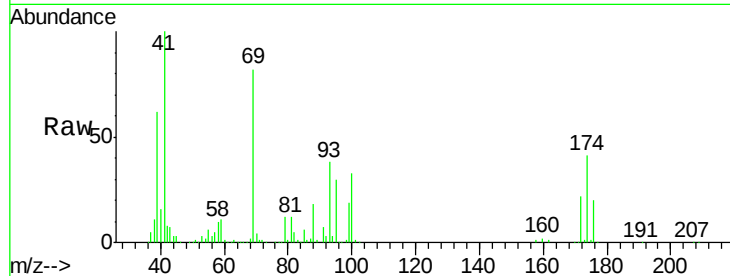
#49
1,4-Dioxane
Concen: 1878.249 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	27.7	41.5
58	63.2	53.8	80.6

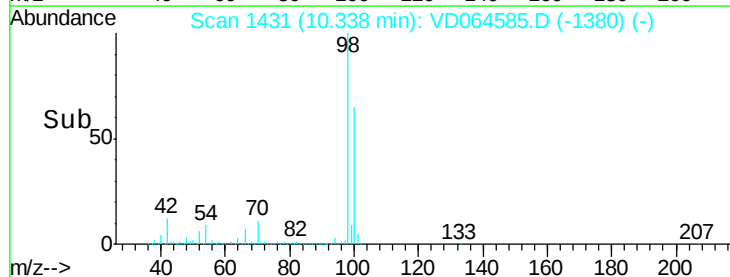
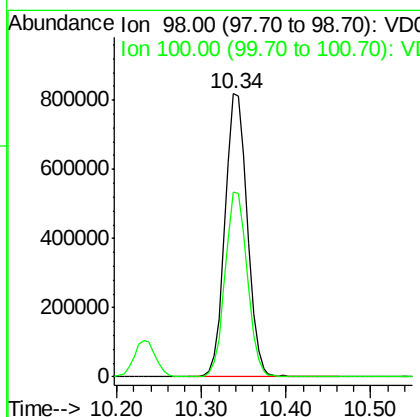
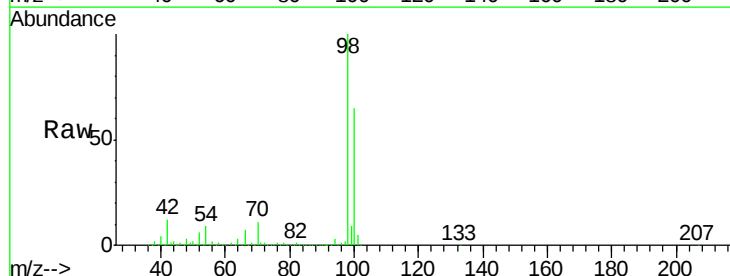
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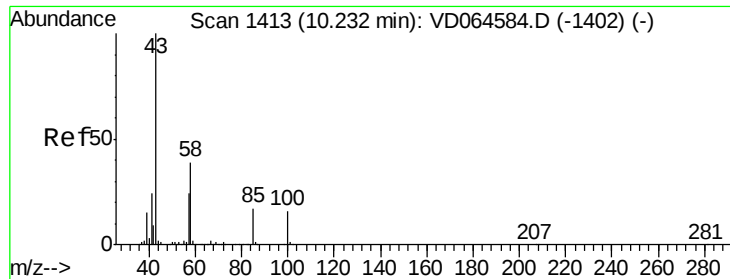
apatel
12/26/2019 11:14:00 AM



#50
Toluene-d8
Concen: 102.809 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 495.201 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1152446

Ion Ratio Lower Upper

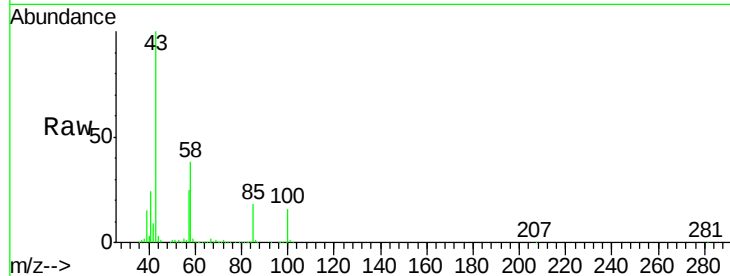
43 100

58 38.3 30.2 45.2

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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

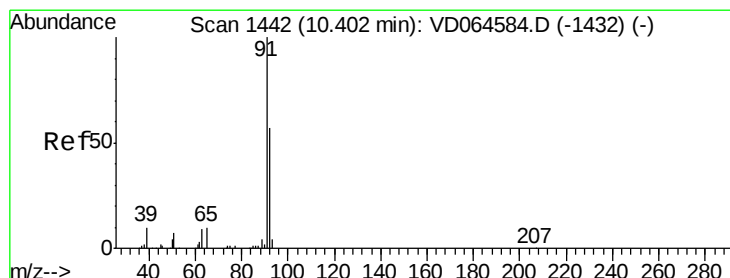
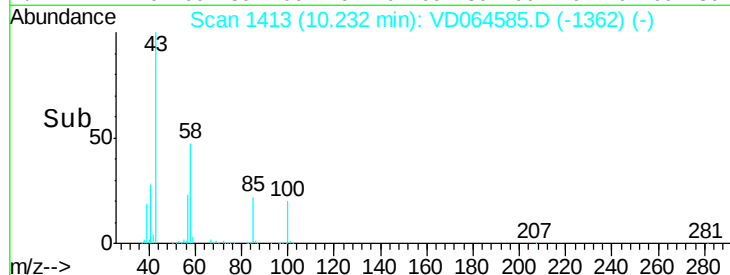
600000

400000

200000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 98.573 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064585.D

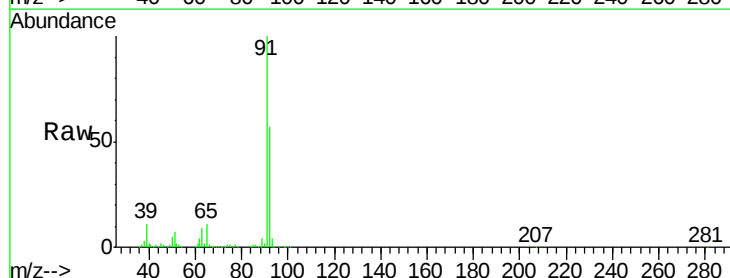
Acq: 24 Dec 2019 12:14

Tgt Ion: 92 Resp: 1059492

Ion Ratio Lower Upper

92 100

91 174.0 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

1200000

1000000

800000

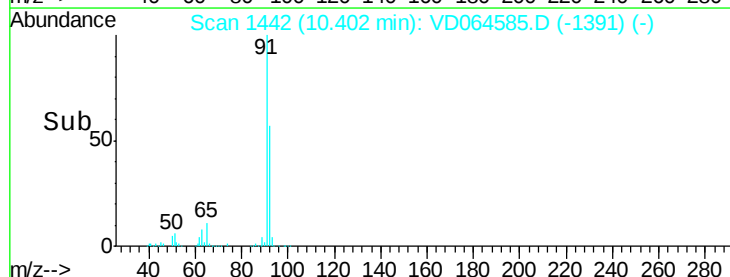
600000

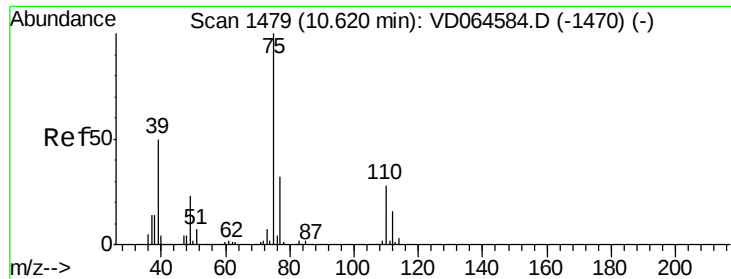
400000

200000

0

Time--> 10.30 10.40 10.50





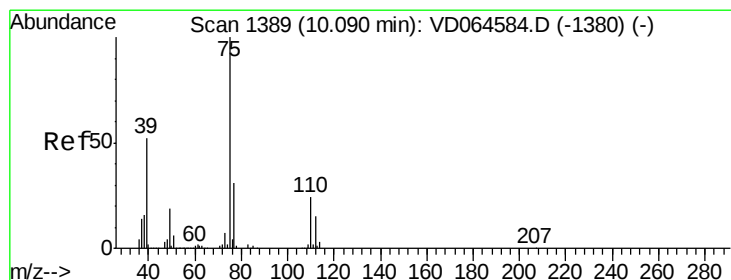
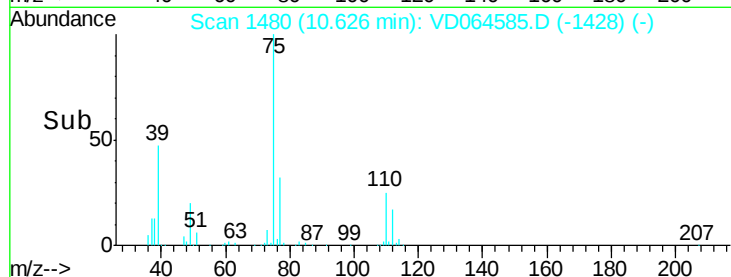
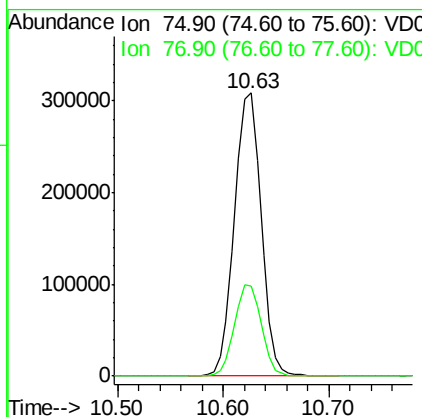
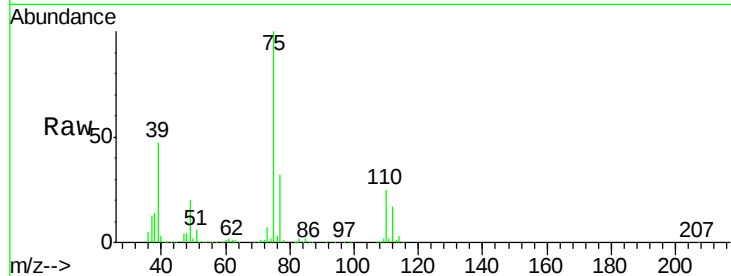
#53
t-1,3-Dichloropropene
Concen: 100.484 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 542344
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2

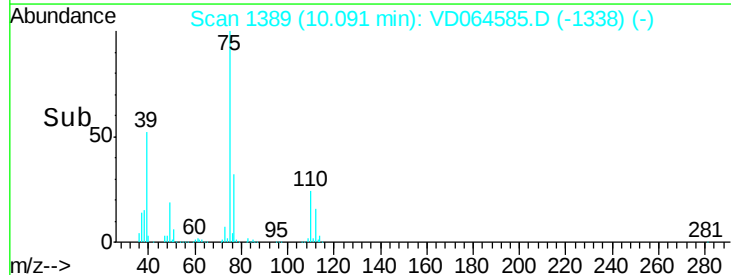
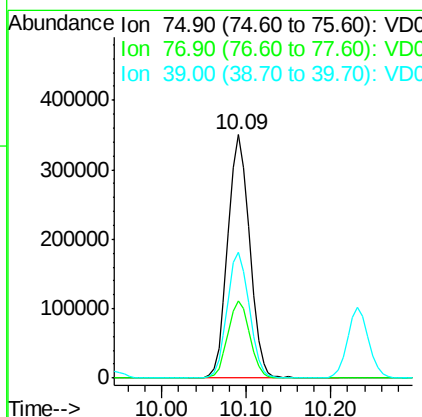
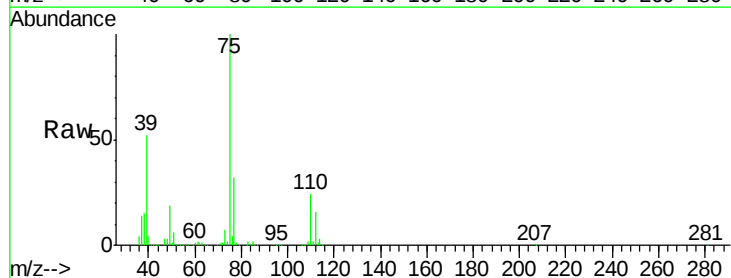
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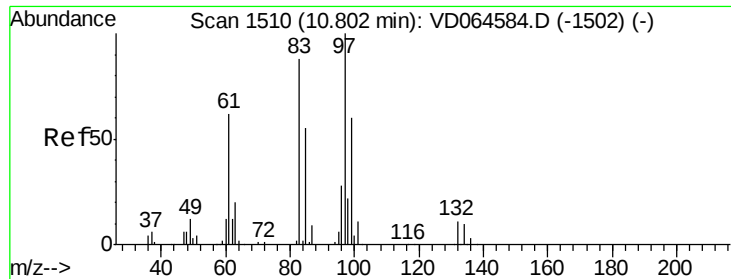
apatel
12/26/2019 11:14:00 AM



#54
cis-1,3-Dichloropropene
Concen: 97.617 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 75 Resp: 624844
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8
39 51.7 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 91.614 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 97 Resp: 276342

Ion Ratio Lower Upper

97 100

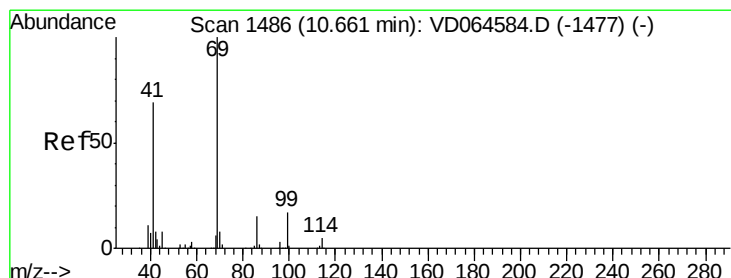
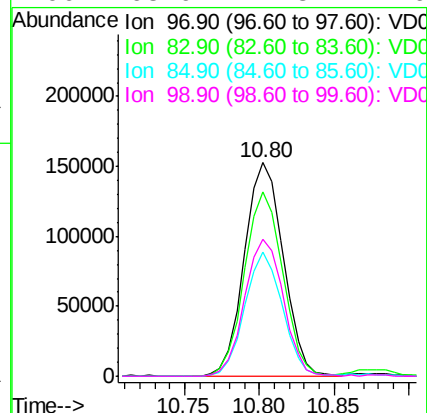
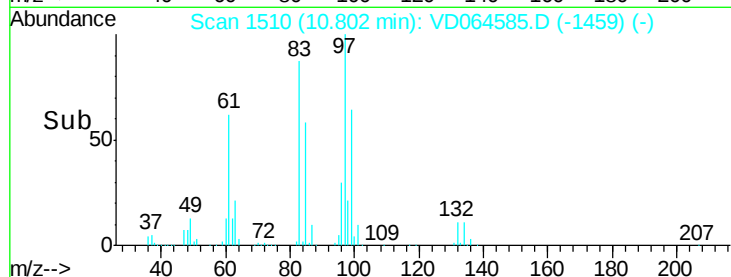
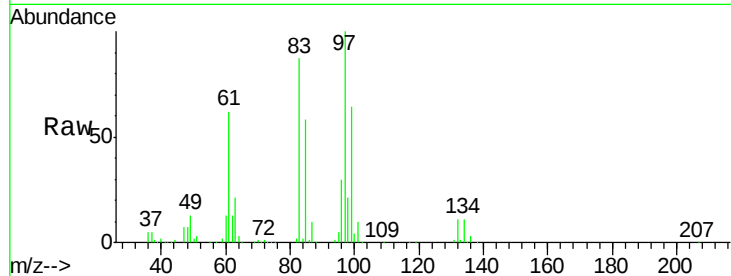
83 86.6 70.2 105.4

85 57.9 44.0 66.0

99 63.9 47.8 71.6

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#56

Ethyl methacrylate

Concen: 99.329 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

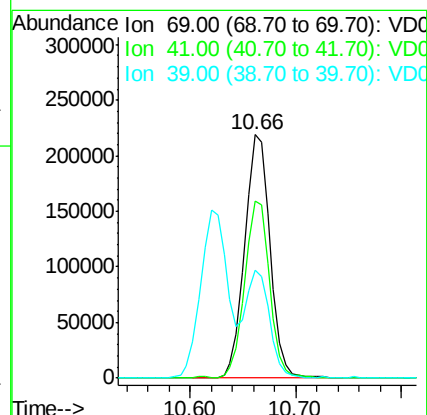
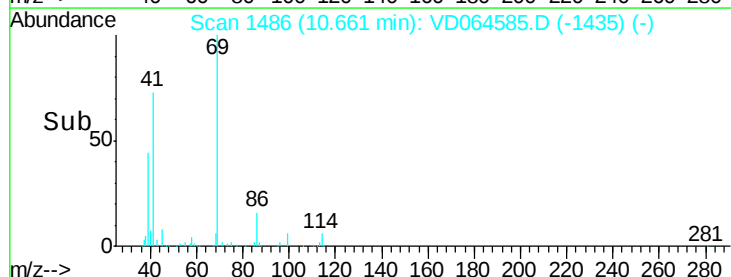
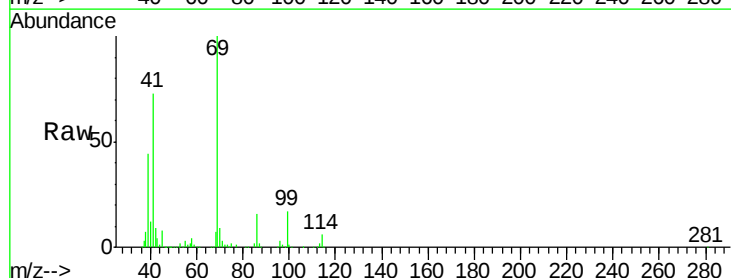
Tgt Ion: 69 Resp: 363496

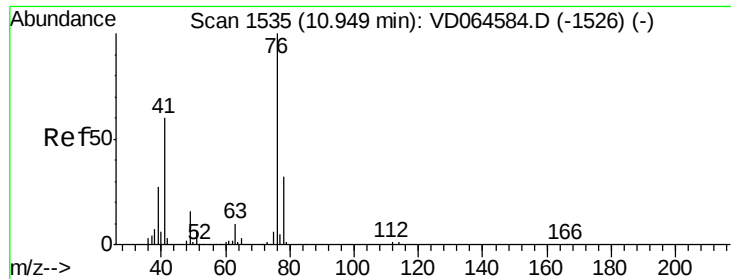
Ion Ratio Lower Upper

69 100

41 70.6 55.3 82.9

39 42.1 33.8 50.8





#57

1,3-Dichloropropane

Concen: 94.123 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 485900

Ion Ratio Lower Upper

76 100

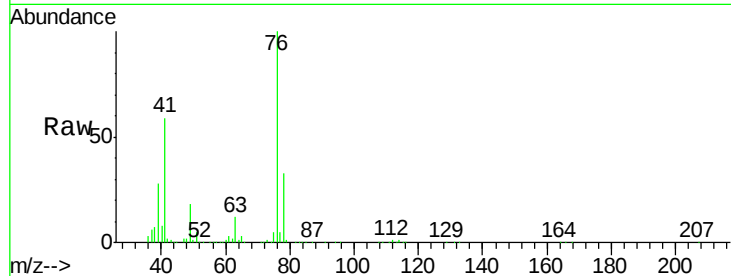
78 33.1 26.2 39.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

250000

200000

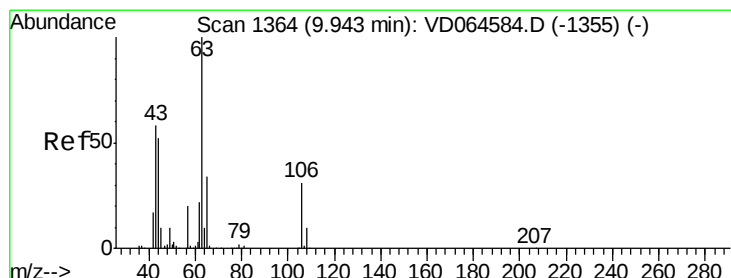
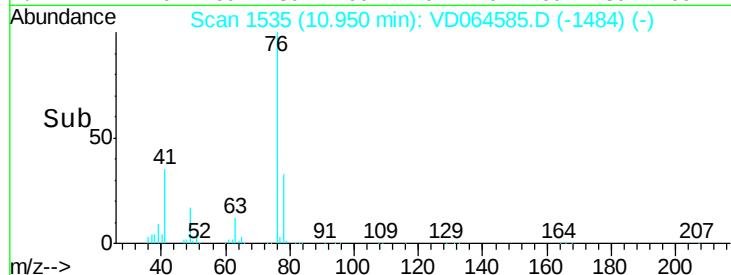
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 468.931 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064585.D

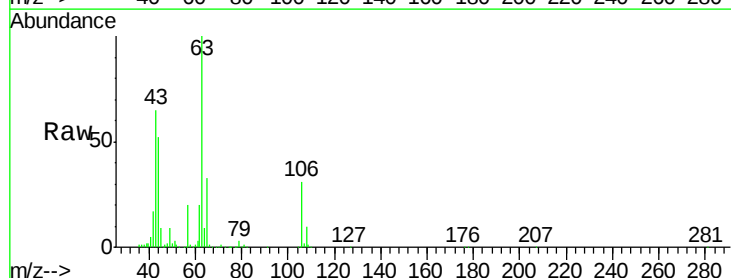
Acq: 24 Dec 2019 12:14

Tgt Ion: 63 Resp: 671235

Ion Ratio Lower Upper

63 100

106 30.3 23.8 35.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

400000

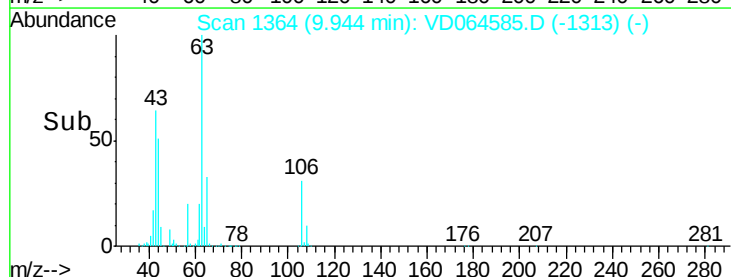
300000

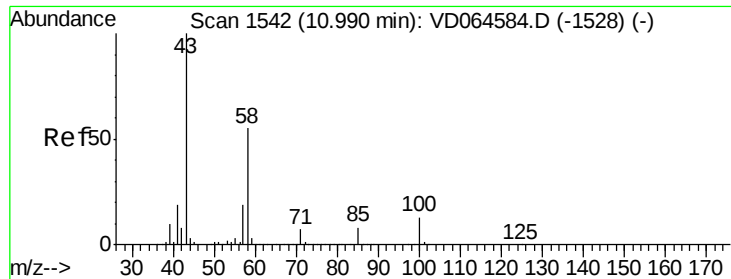
200000

100000

0

Time-->





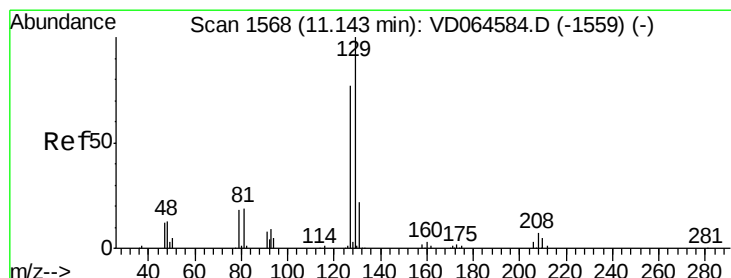
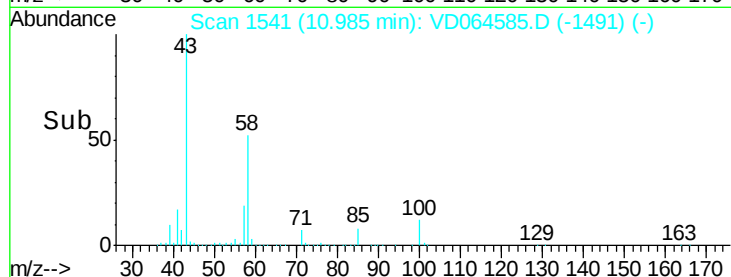
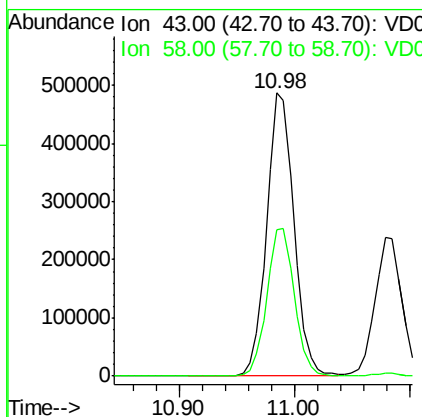
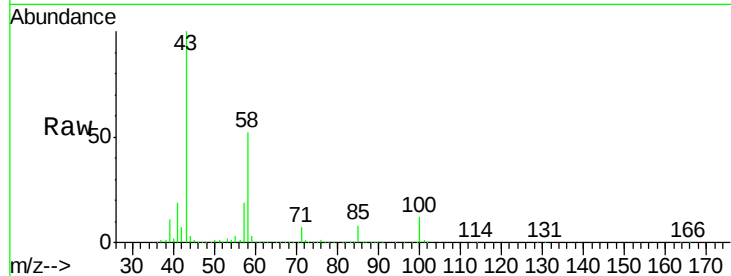
#59
2-Hexanone
Concen: 510.246 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC100

Tot Ion: 43 Resp: 802400
Ion Ratio Lower Upper
43 100
58 52.9 26.4 79.0

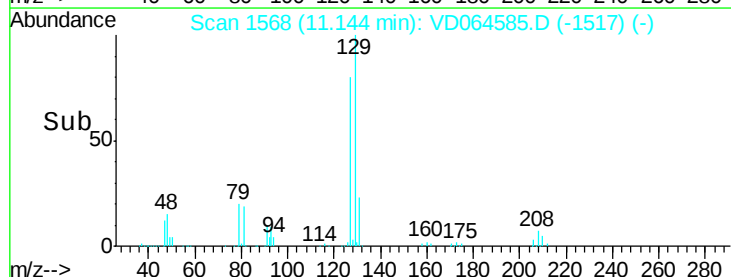
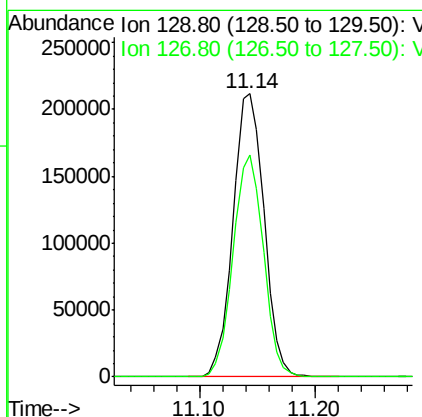
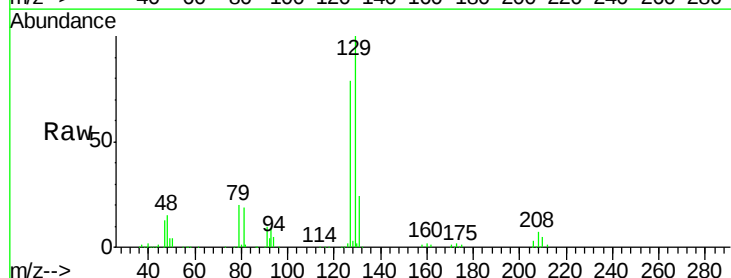
Manual Integrations
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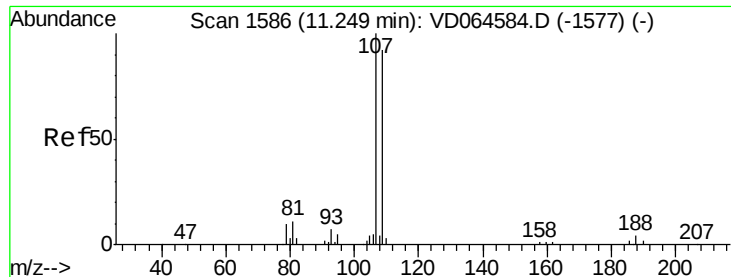
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#60
Dibromochloromethane
Concen: 96.117 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 129 Resp: 395331
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.2





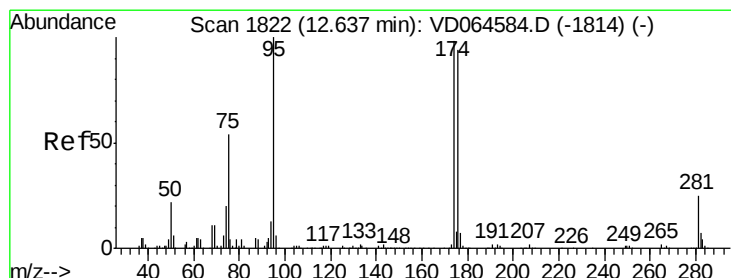
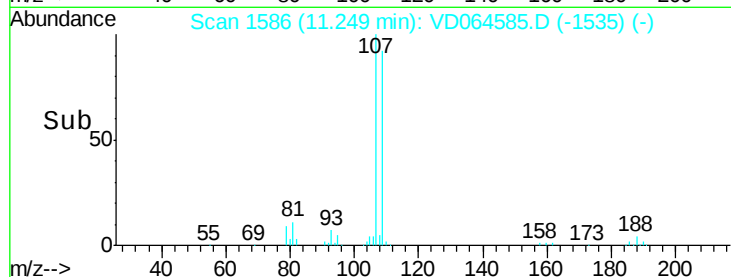
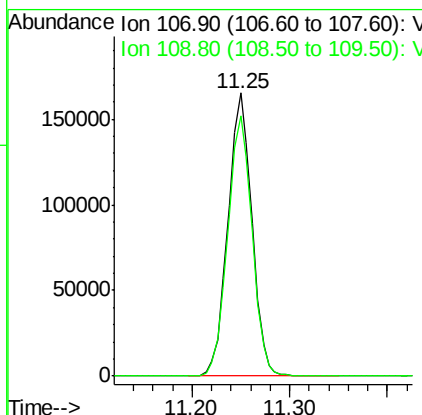
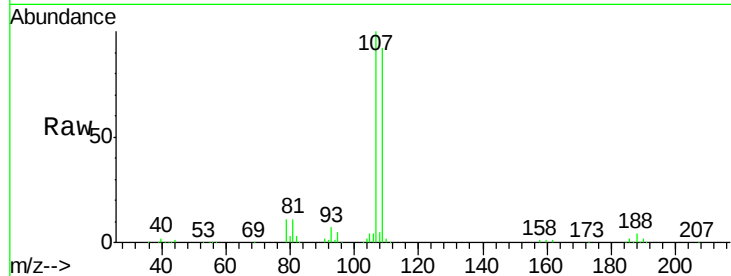
#61
 1,2-Dibromoethane
 Concen: 95.862 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	281687		
109	93.8	75.6	113.4	

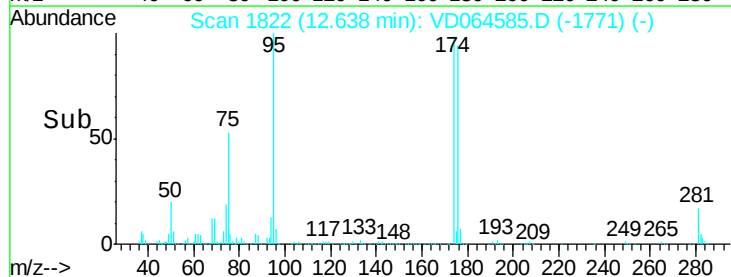
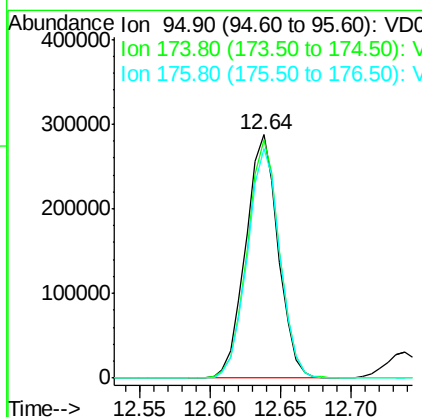
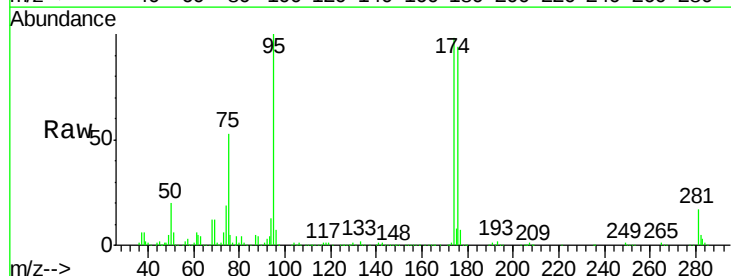
Manual Integrations
 APPROVED

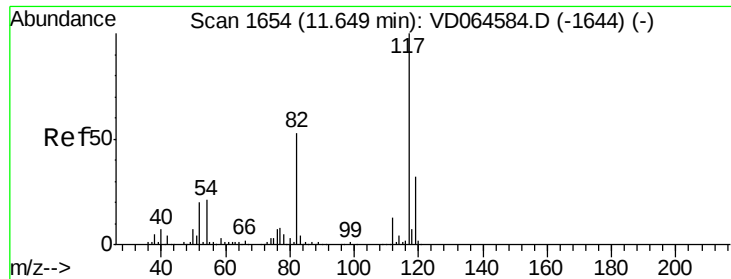
apatel
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#62
 4-Bromofluorobenzene
 Concen: 100.909 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	464248		
174	97.3	0.0	193.2	
176	94.6	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: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

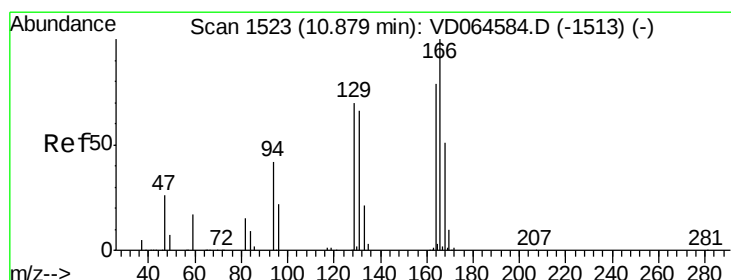
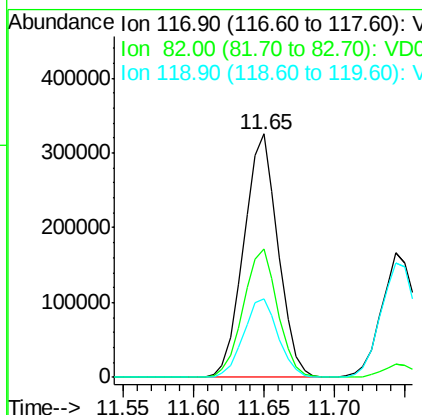
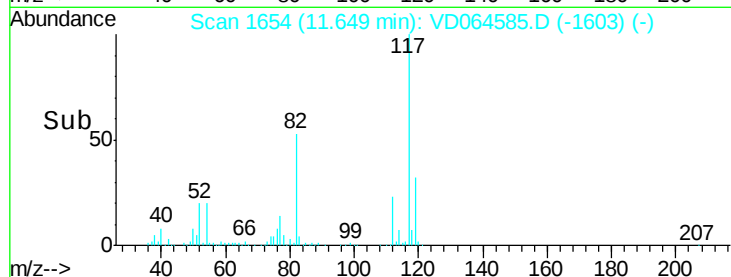
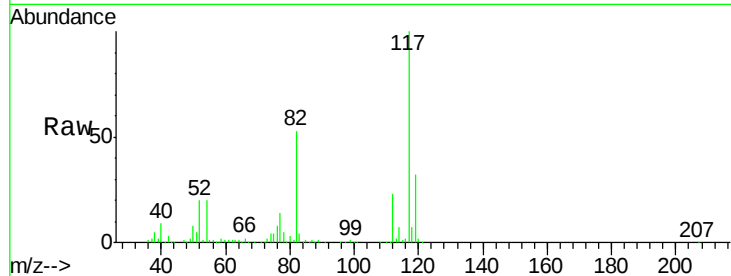
ClientSampleId :

VSTDICC100

Tot Ion:	117	Resp:	554348
Ion Ratio	Lower	Upper	
117	100		
82	52.8	42.2	63.4
119	32.0	26.0	39.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 91.124 ug/l

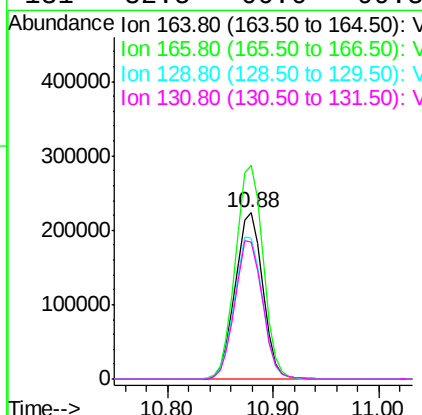
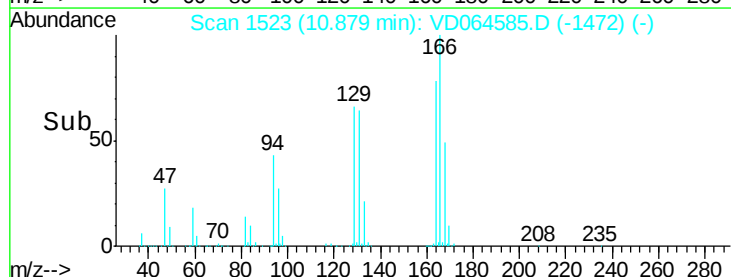
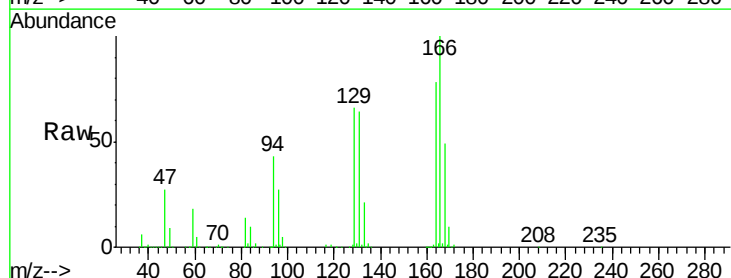
RT: 10.88 min Scan# 1523

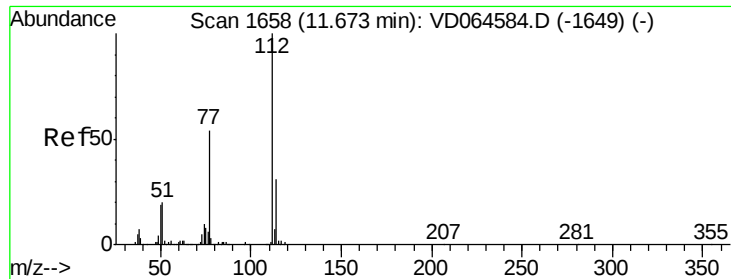
Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion:	164	Resp:	402496
Ion Ratio	Lower	Upper	
164	100		
166	128.4	101.3	151.9
129	84.8	70.5	105.7
131	82.5	66.6	99.8





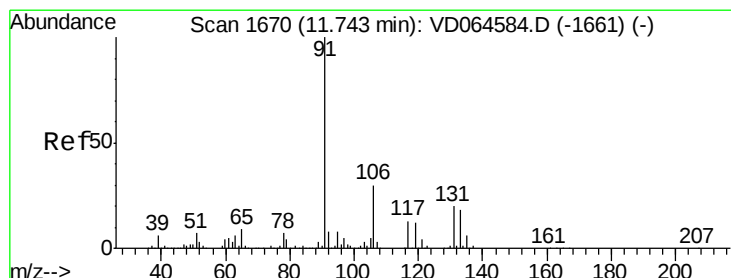
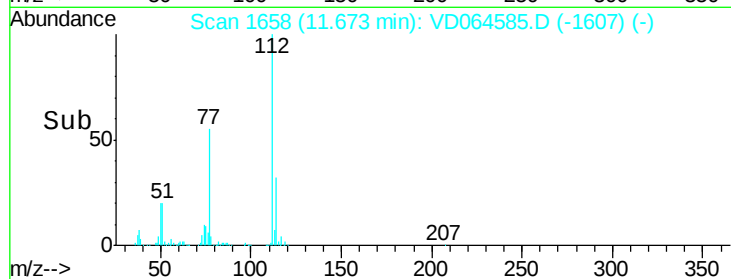
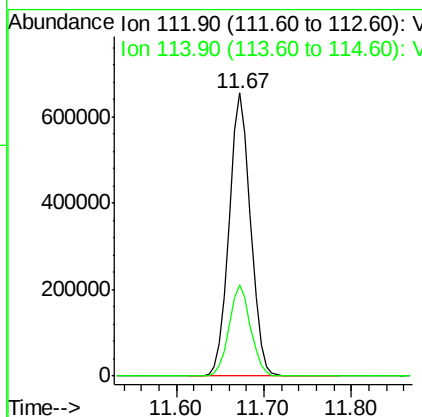
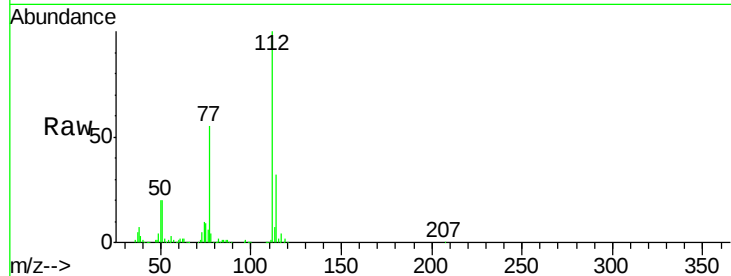
#65
Chlorobenzene
Concen: 92.886 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1097139
Ion Ratio Lower Upper
112 100
114 32.4 24.8 37.2

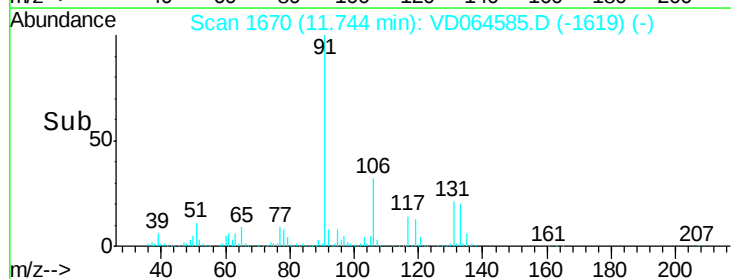
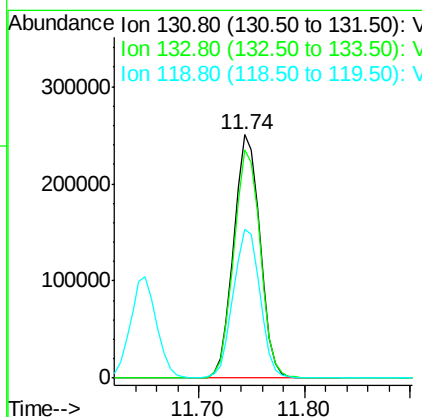
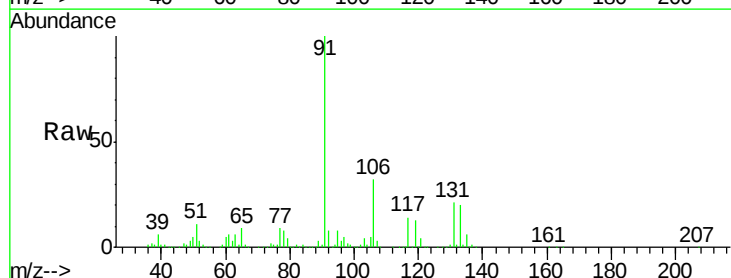
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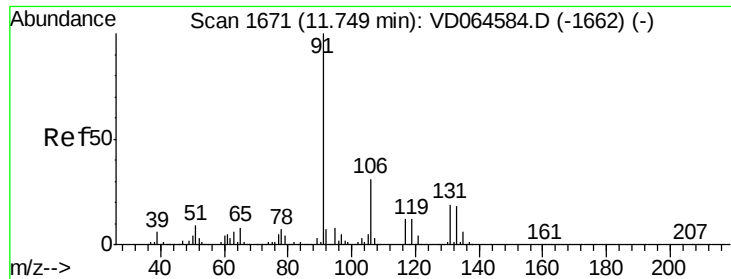
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#66
1,1,1,2-Tetrachloroethane
Concen: 98.056 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion:131 Resp: 430474
Ion Ratio Lower Upper
131 100
133 94.5 48.3 144.8
119 62.3 32.1 96.3





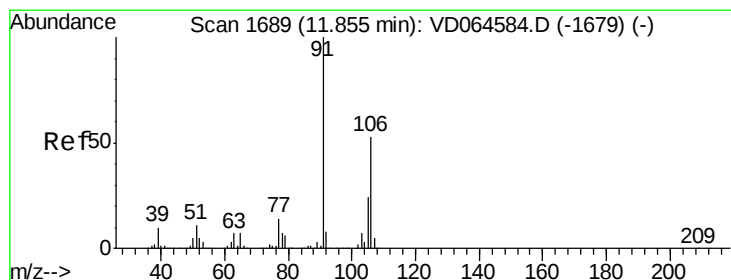
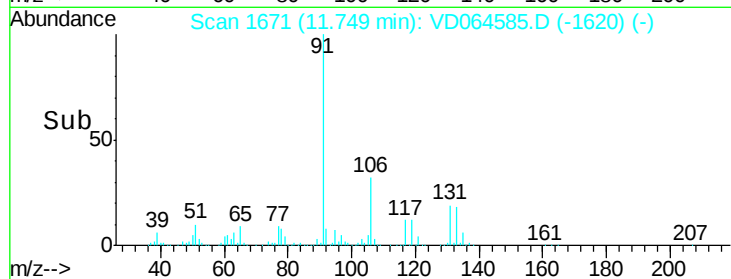
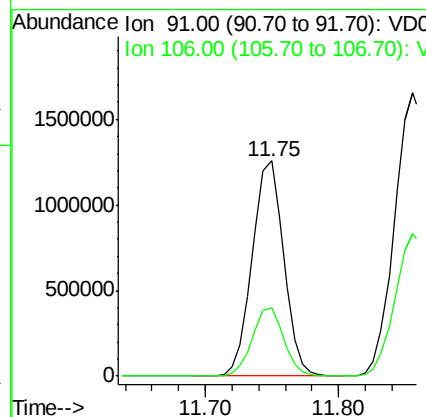
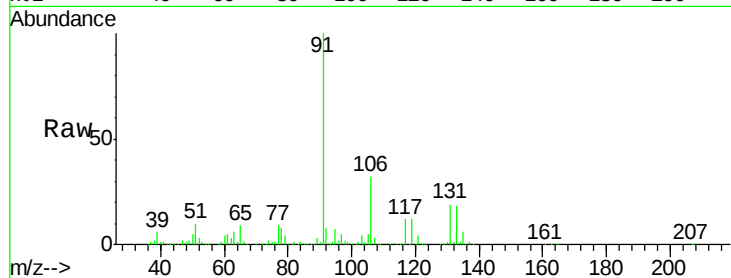
#67
Ethyl Benzene
Concen: 96.504 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2048896
Ion Ratio Lower Upper
91 100
106 31.7 24.6 36.8

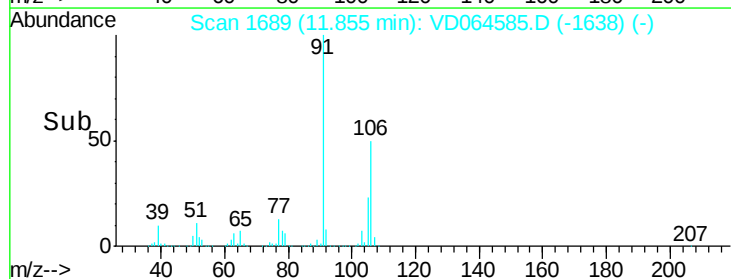
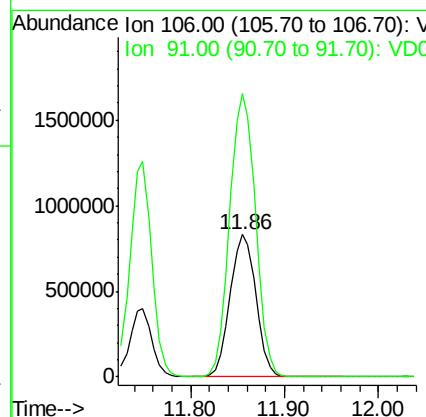
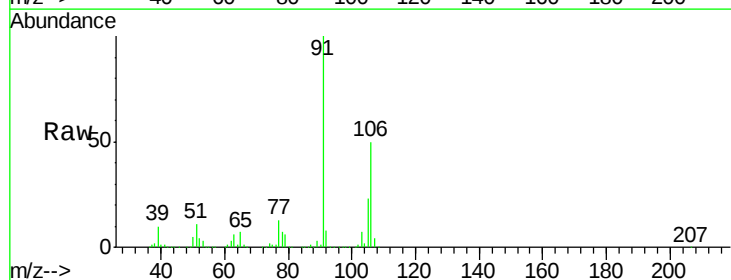
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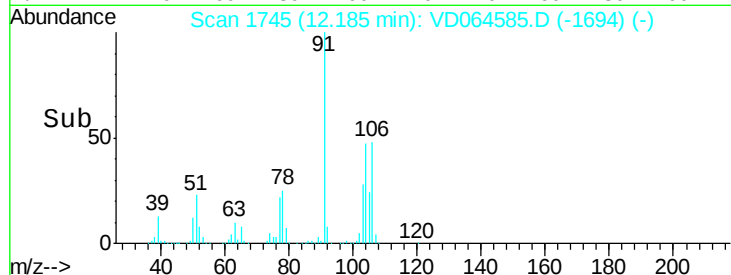
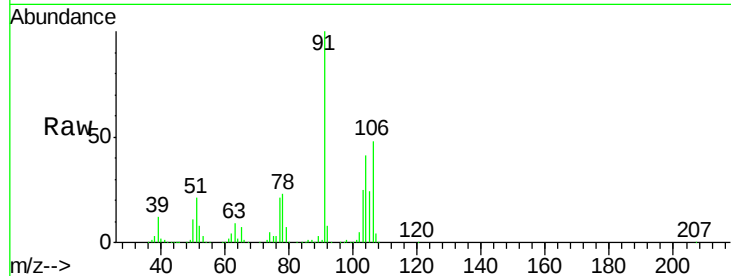
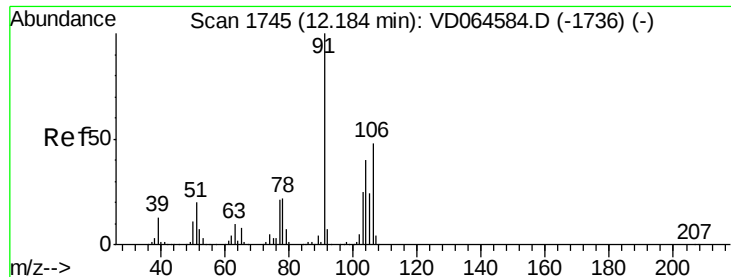
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#68
m/p-Xylenes
Concen: 194.013 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 106 Resp: 1586754
Ion Ratio Lower Upper
106 100
91 199.3 156.3 234.5





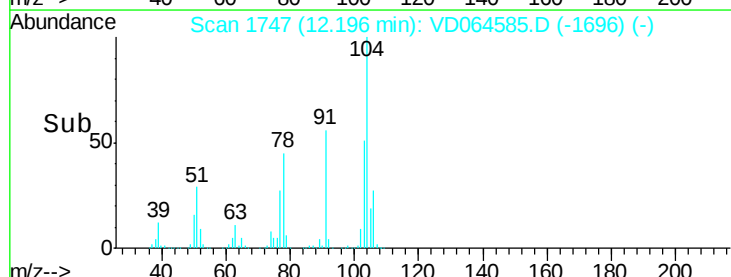
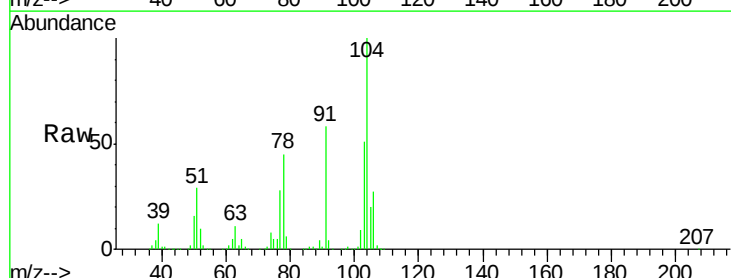
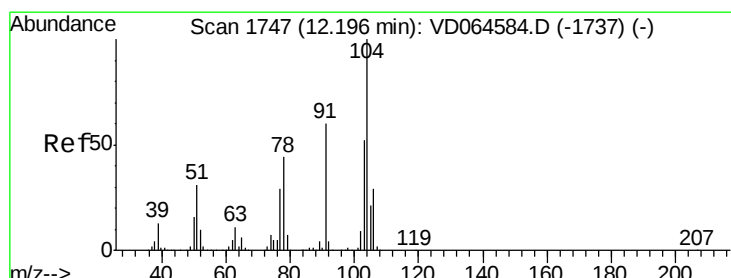
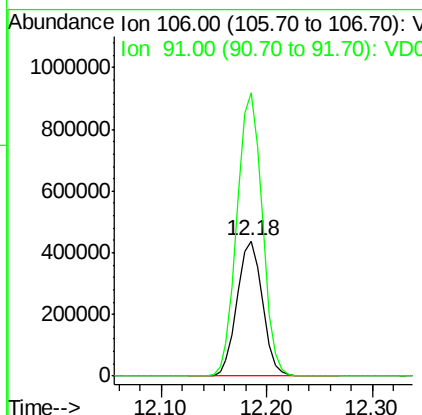
#69
o-Xylene
Concen: 98.643 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tot Ion: 106 Resp: 725226
Ion Ratio Lower Upper
106 100
91 209.0 104.8 314.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

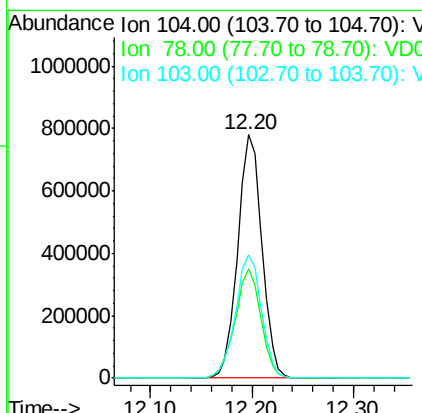
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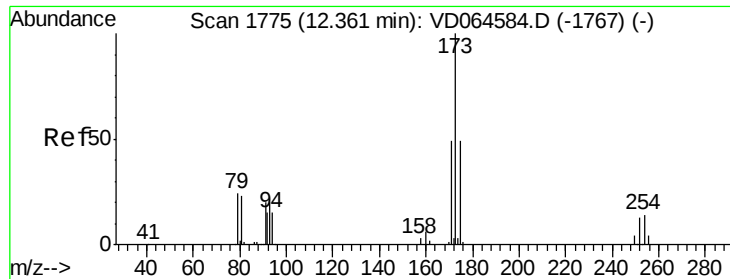
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#70
Styrene
Concen: 101.201 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 104 Resp: 1291660
Ion Ratio Lower Upper
104 100
78 48.0 38.2 57.2
103 54.6 44.6 67.0





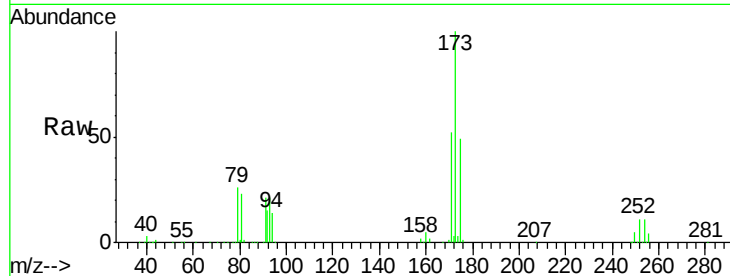
#71
Bromoform
Concen: 96.559 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

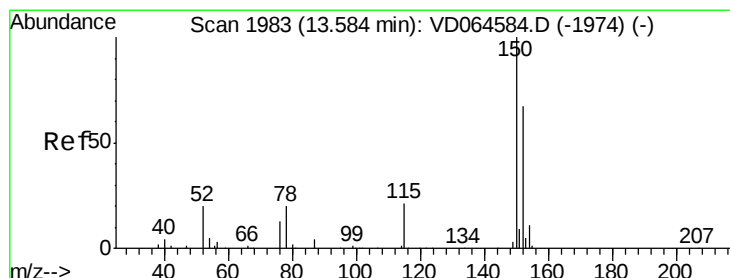
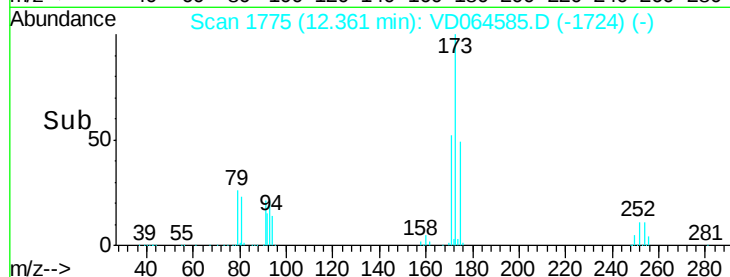
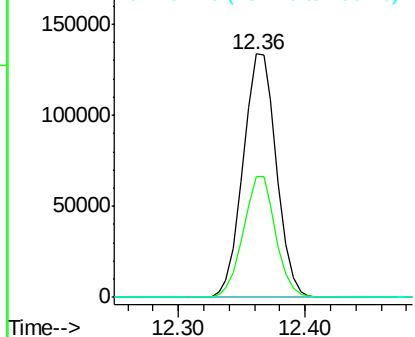
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.6	73.8
254	0.1	0.1	0.1

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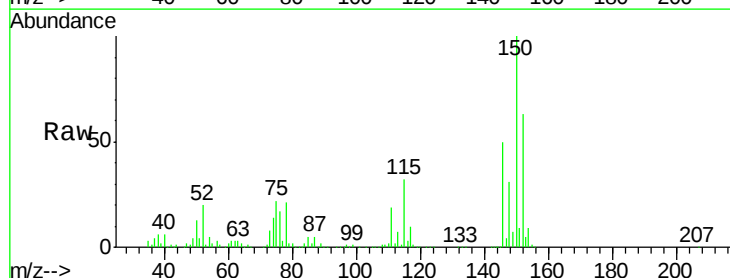


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

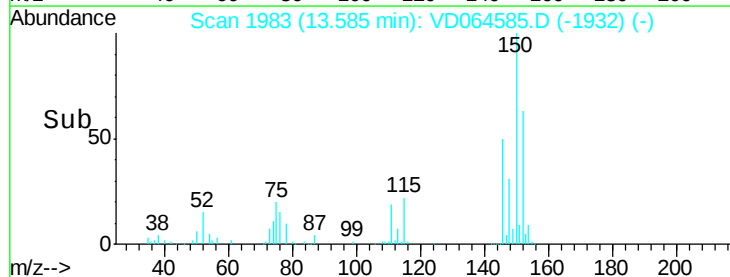
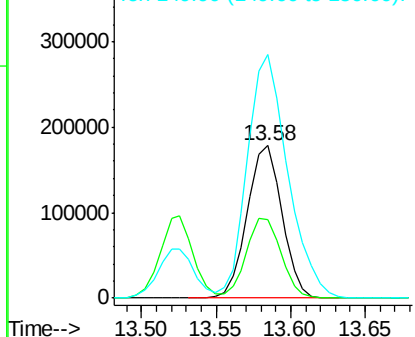


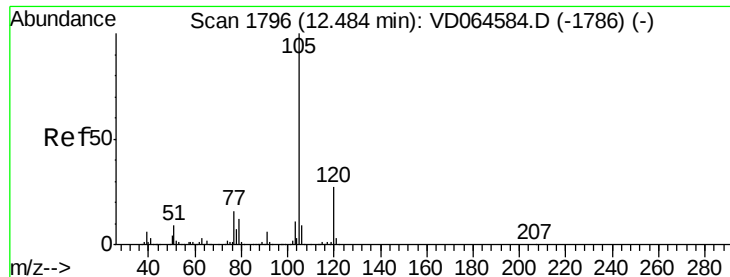
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	27.8	83.4
150	185.6	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: 93.931 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1977711

Ion Ratio Lower Upper

105 100

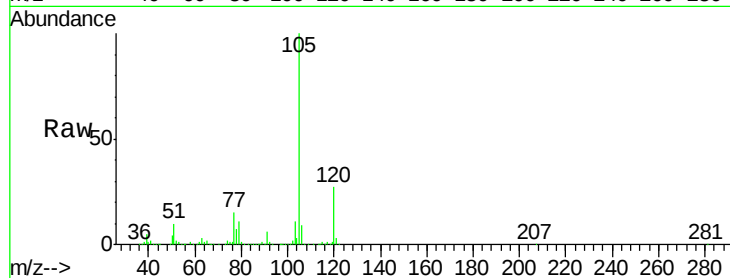
120 27.0 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

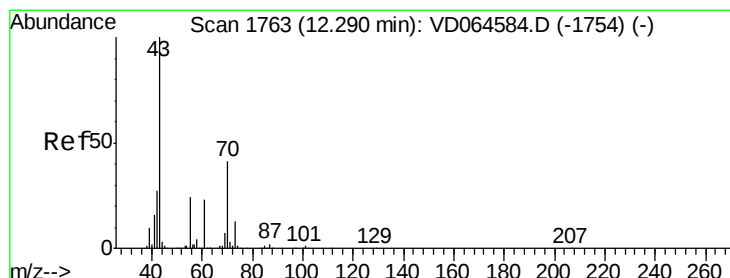
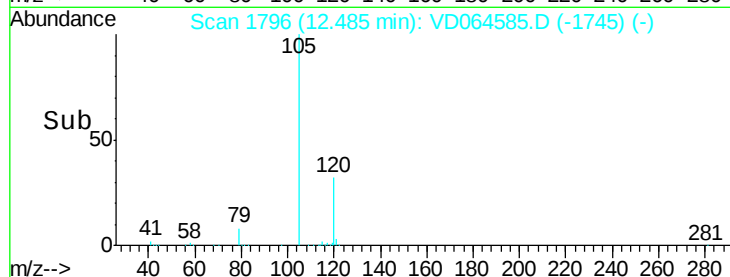
12.48

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 97.540 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion: 43 Resp: 435108

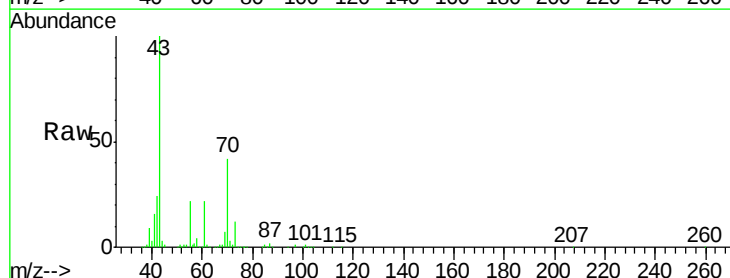
Ion Ratio Lower Upper

43 100

70 41.4 33.4 50.0

55 23.0 19.4 29.0

61 22.4 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

400000

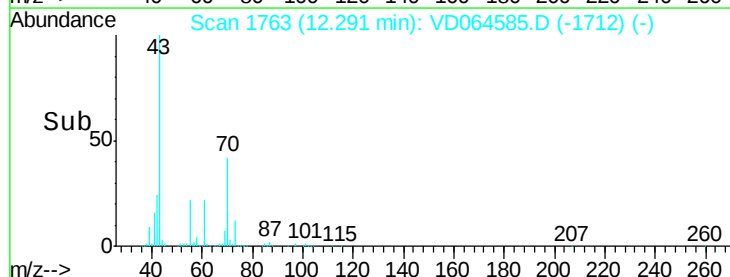
300000

200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 88.487 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

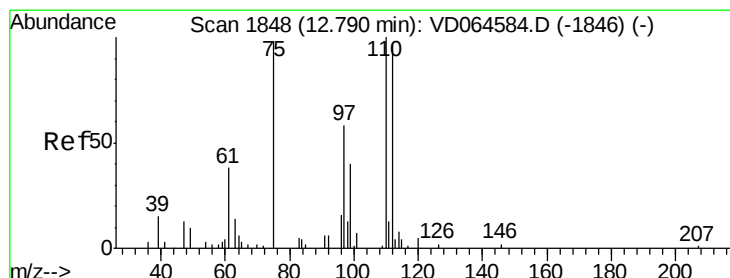
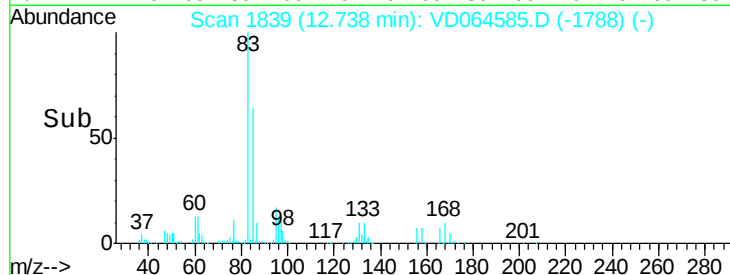
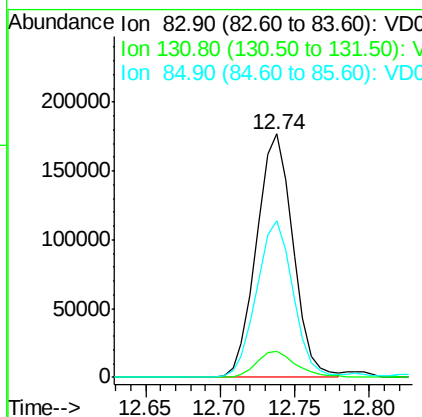
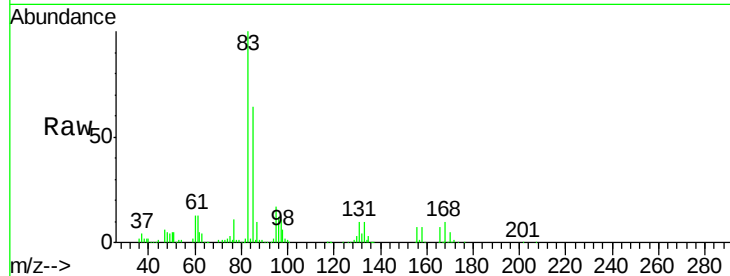
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	299632
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.4
85	64.2	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 57.029 ug/l m

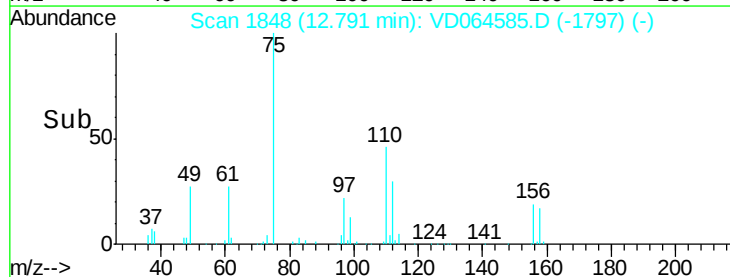
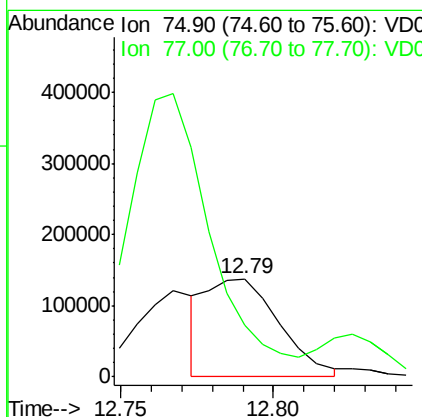
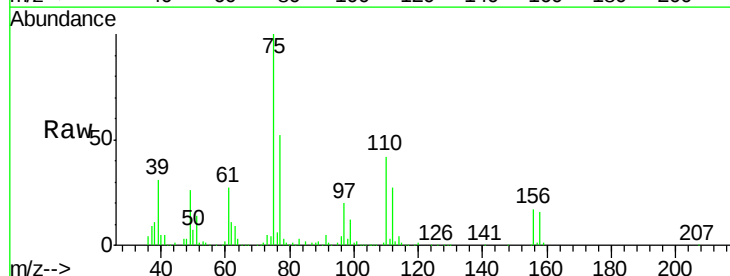
RT: 12.79 min Scan# 1848

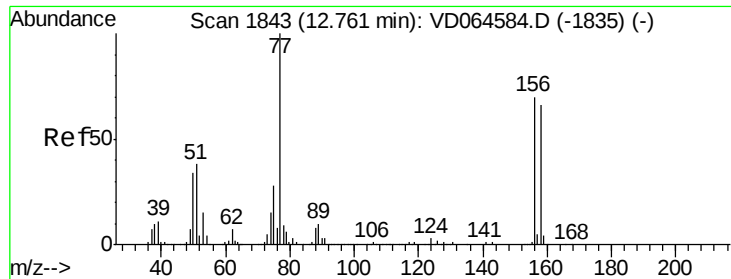
Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion:	75	Resp:	229006
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 92.413 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

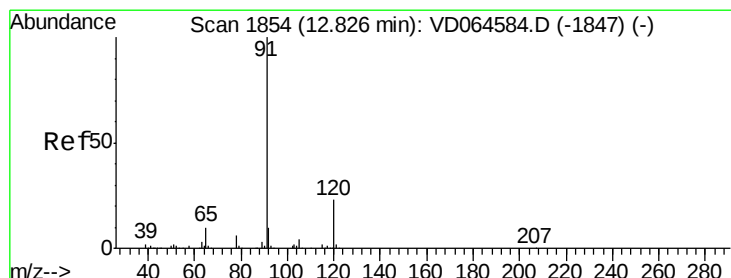
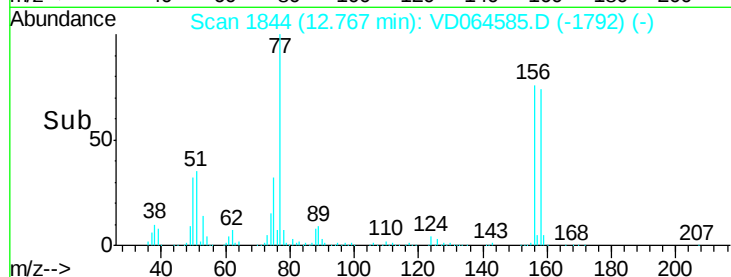
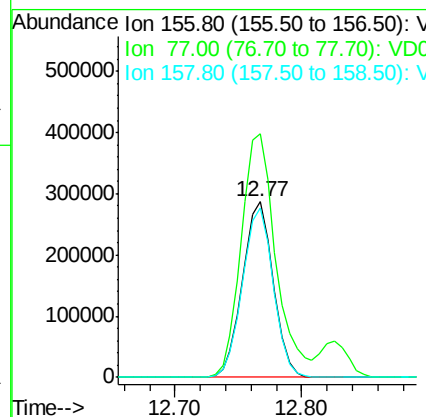
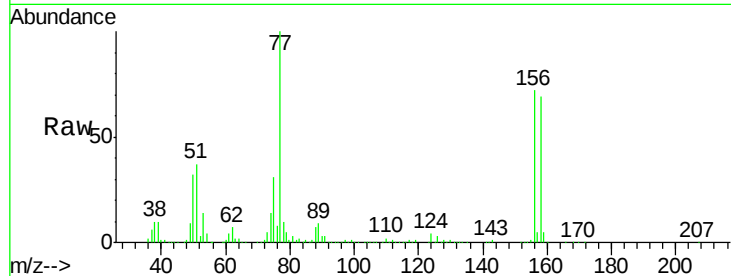
ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 482229
 Ion Ratio Lower Upper
 156 100
 77 157.3 80.9 242.7
 158 96.8 48.0 144.2

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#78

n-propylbenzene

Concen: 93.697 ug/l

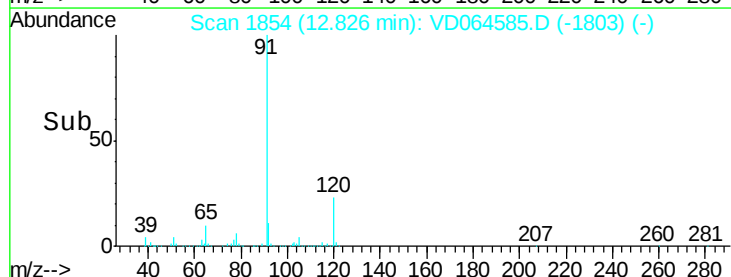
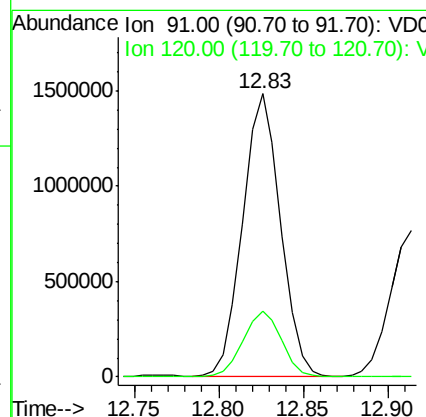
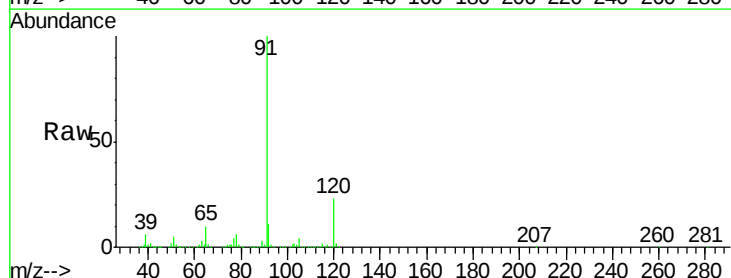
RT: 12.83 min Scan# 1854

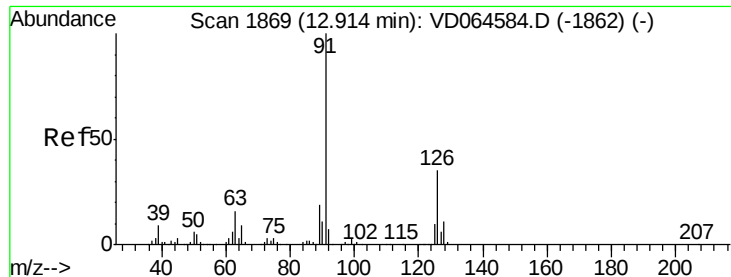
Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion: 91 Resp: 2306373
 Ion Ratio Lower Upper
 91 100
 120 23.6 11.9 35.9





#79

2-Chlorotoluene

Concen: 91.682 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1248340

Ion Ratio Lower Upper

91 100

126 36.1

17.8

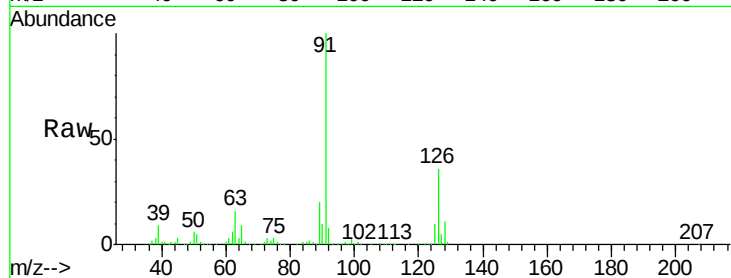
53.5

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Abundance Ion 91.00 (90.70 to 91.70): VD064585.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064585.D (-1862) (-)

800000

600000

400000

200000

0

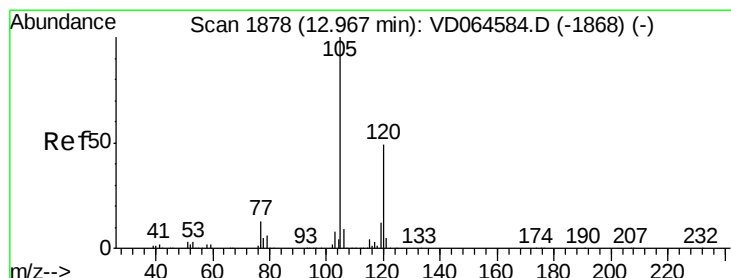
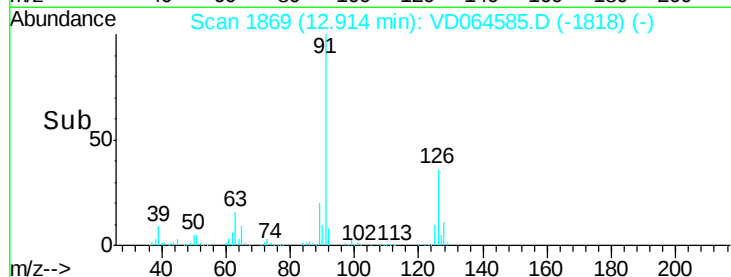
12.85

12.90

12.91

12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 94.512 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion:105 Resp: 1630171

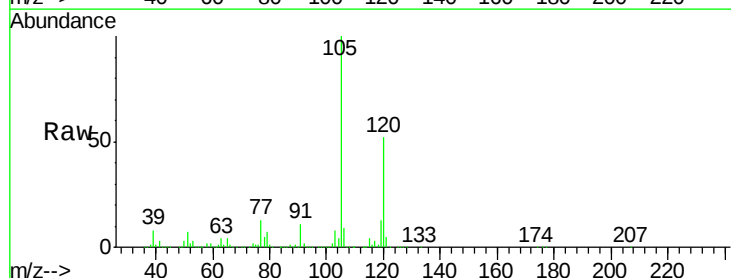
Ion Ratio Lower Upper

105 100

120 50.8

25.0

75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064585.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD064585.D (-1827) (-)

1200000

1000000

800000

600000

400000

200000

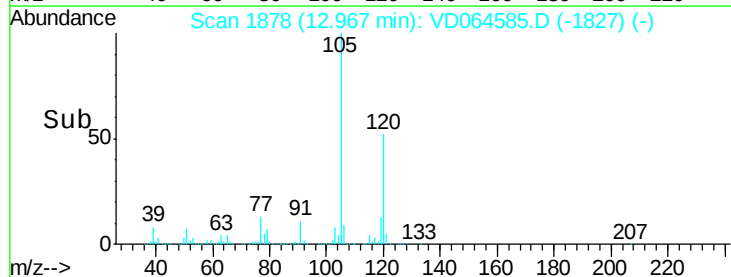
0

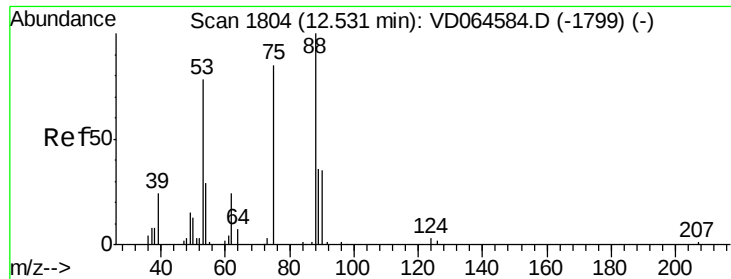
12.90

12.97

13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 93.979 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 104636

Ion Ratio Lower Upper

75 100

53 100.6 78.8 118.2

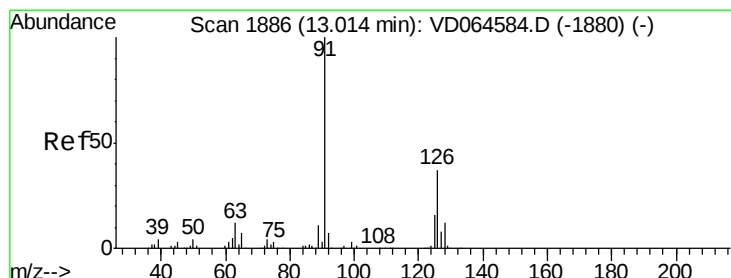
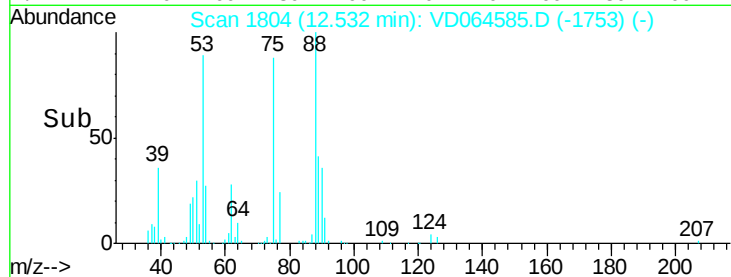
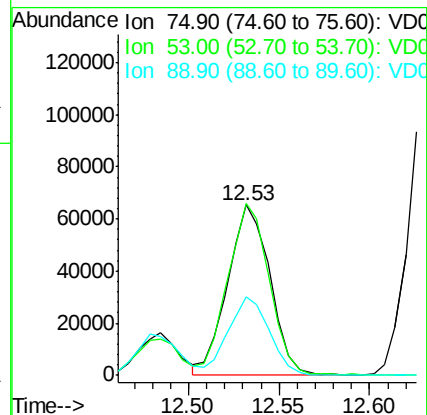
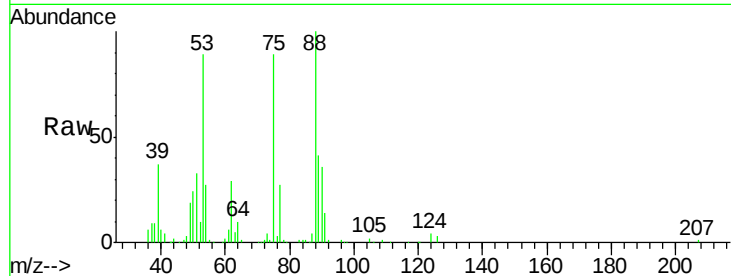
89 45.2 38.3 57.5

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#82

4-Chlorotoluene

Concen: 93.090 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064585.D

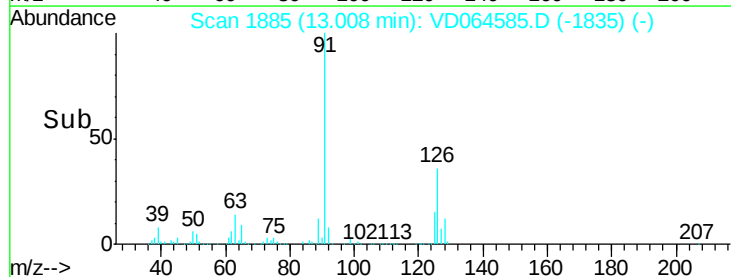
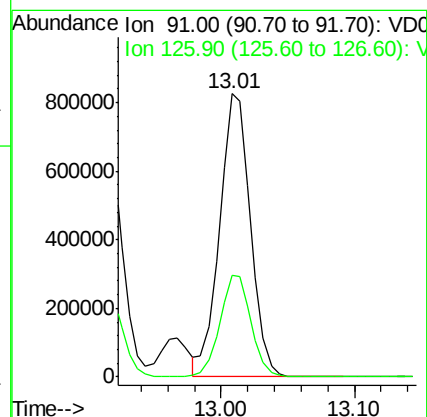
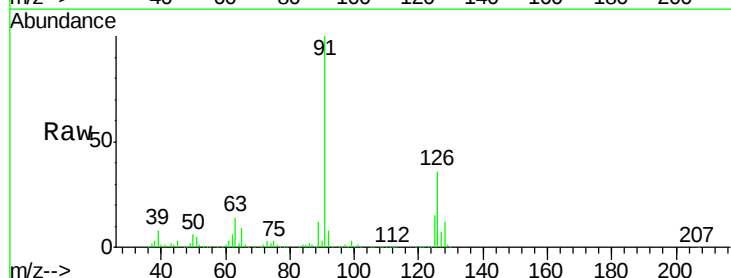
Acq: 24 Dec 2019 12:14

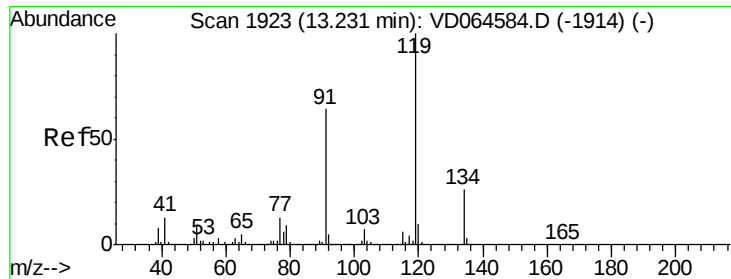
Tgt Ion: 91 Resp: 1338506

Ion Ratio Lower Upper

91 100

126 36.1 17.8 53.5





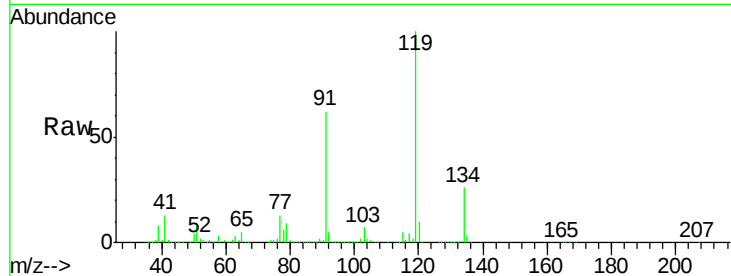
#83
tert-Butylbenzene
Concen: 95.538 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

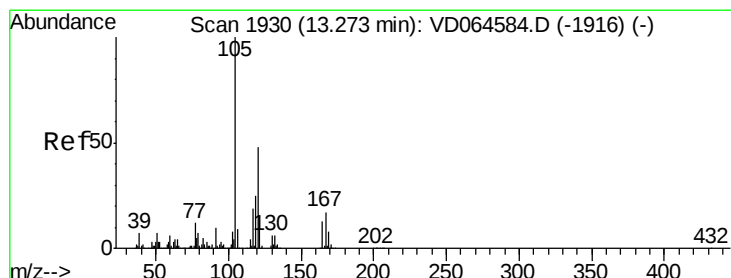
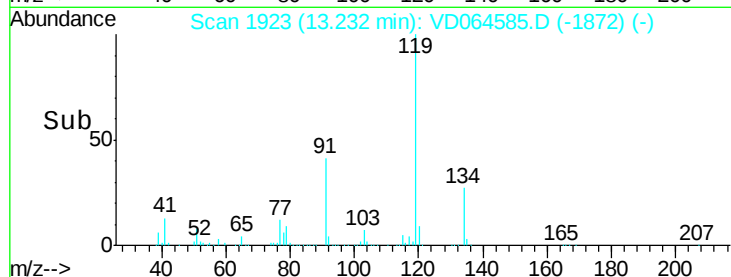
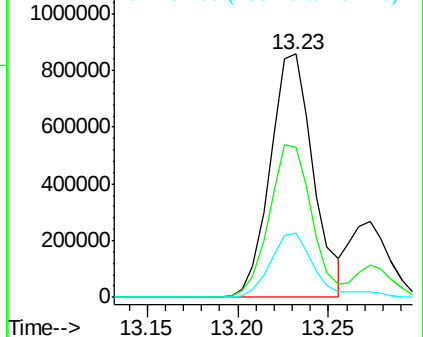
Tot Ion:119 Resp: 1427265
Ion Ratio Lower Upper
119 100
91 61.5 30.8 92.4
134 27.5 12.8 38.3

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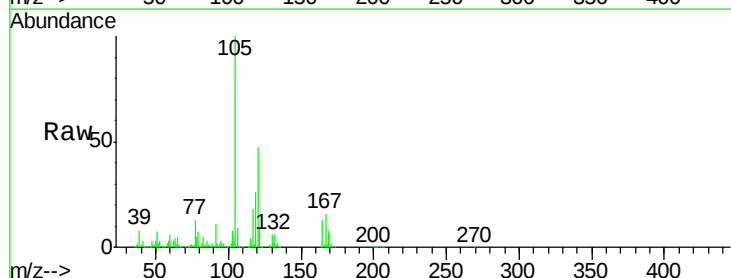


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

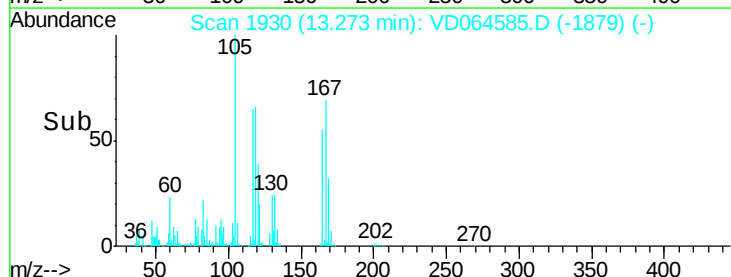
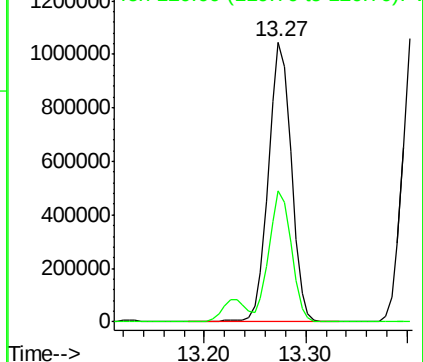


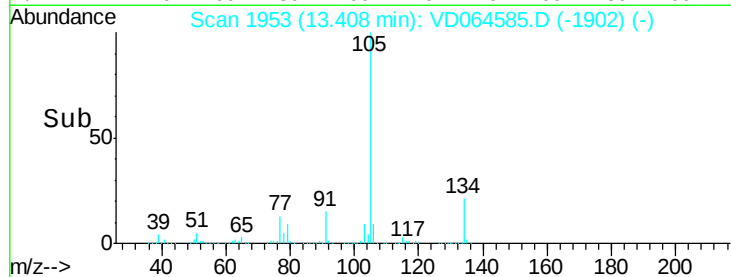
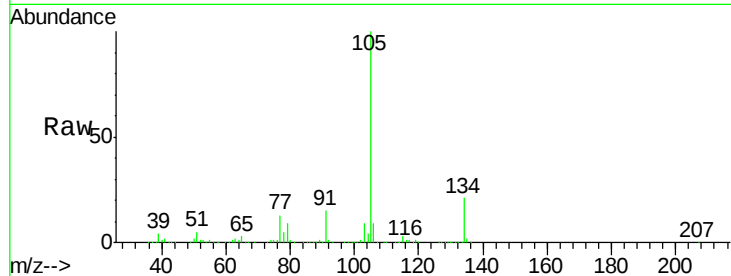
#84
1,2,4-Trimethylbenzene
Concen: 96.103 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion:105 Resp: 1642116
Ion Ratio Lower Upper
105 100
120 45.8 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 95.995 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tot Ion:105 Resp: 1967054

Ion Ratio Lower Upper

105 100

134 20.8 10.6 31.8

Instrument :

MSVOA_D

ClientSampled :

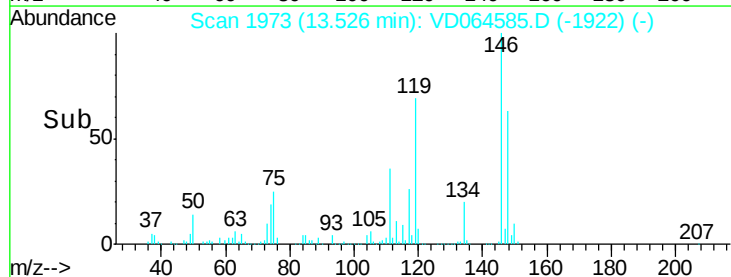
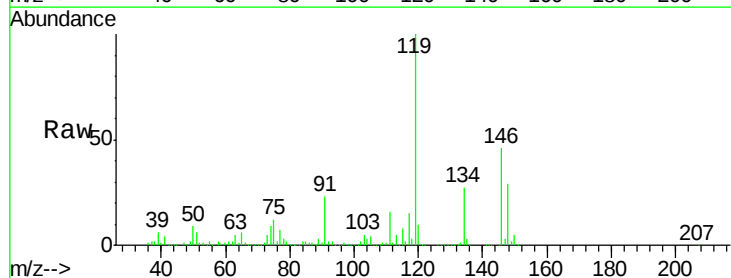
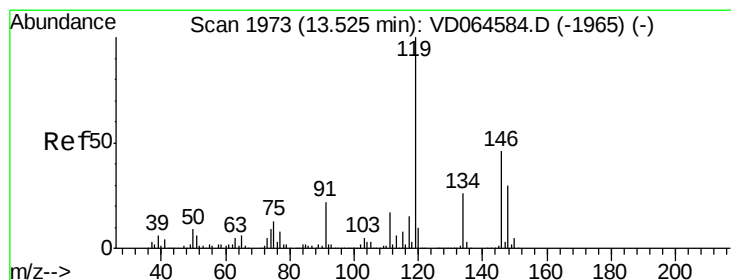
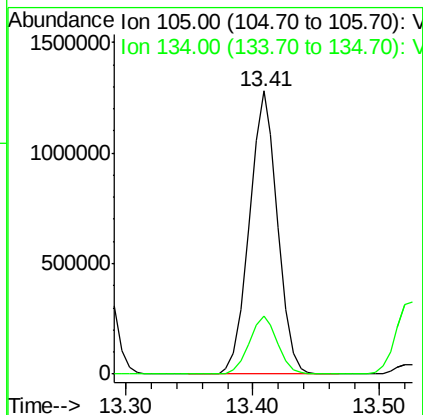
VSTDICC100

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#86

p-Isopropyltoluene

Concen: 97.946 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

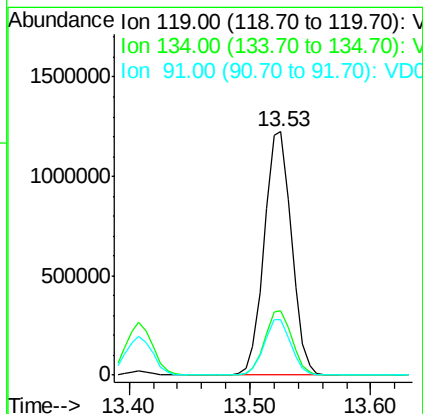
Tgt Ion:119 Resp: 1907416

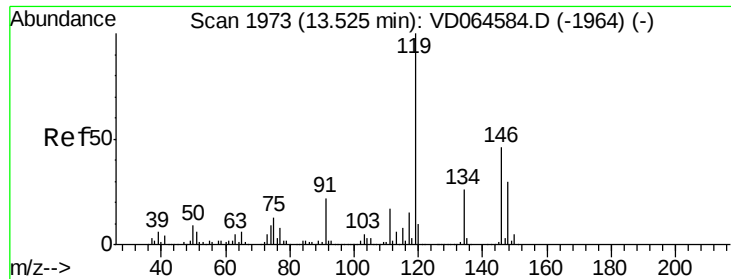
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.1

91 22.4 11.2 33.6





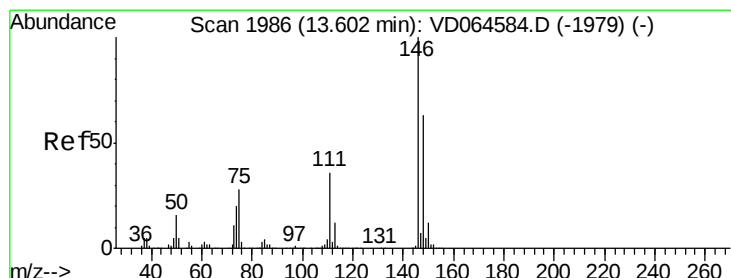
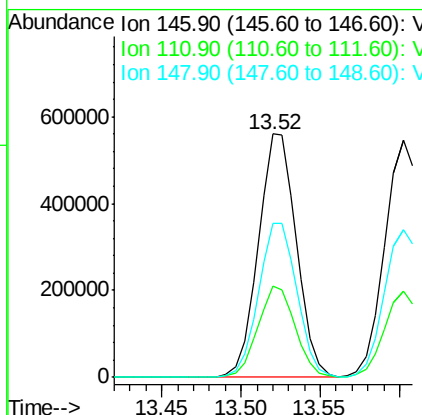
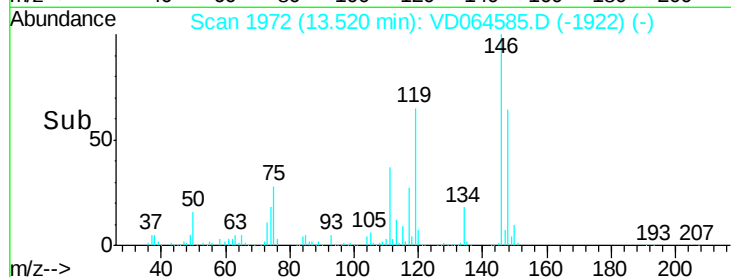
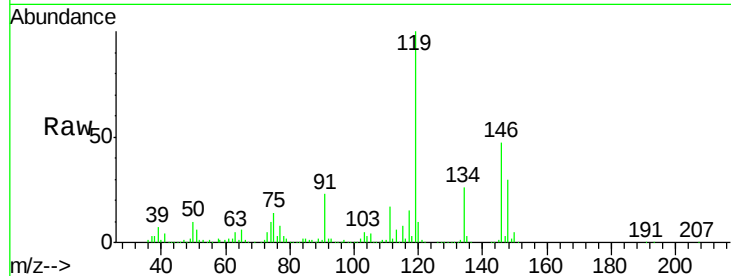
#87
 1,3-Dichlorobenzene
 Concen: 95.055 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	934815		
111	36.6	18.8	56.4	
148	64.2	32.5	97.5	

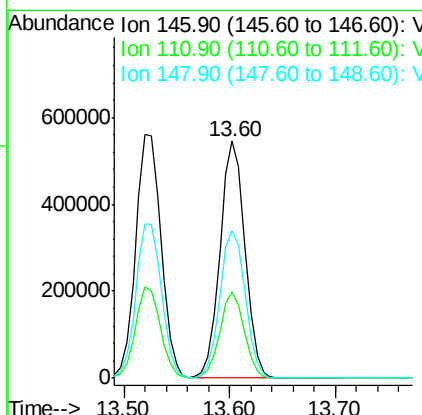
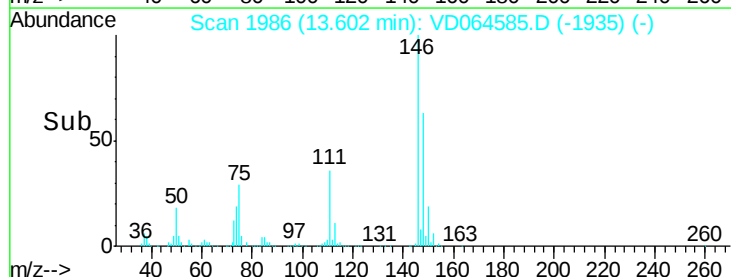
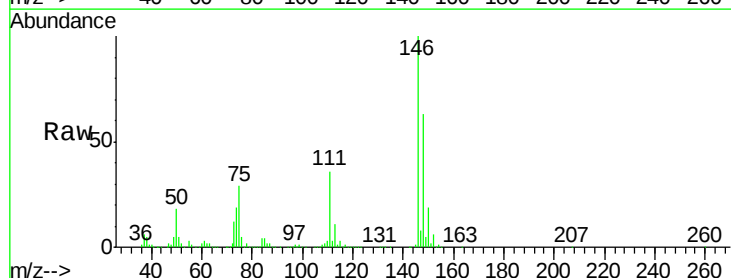
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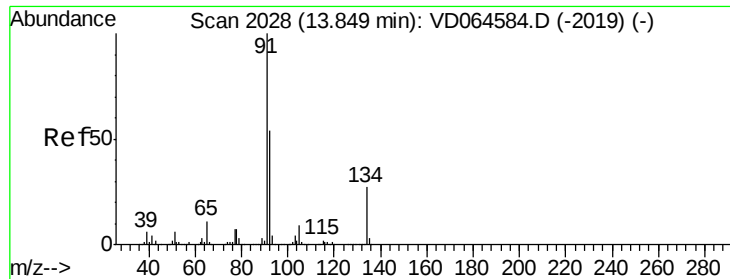
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#88
 1,4-Dichlorobenzene
 Concen: 91.701 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	896082		
111	35.6	18.1	54.1	
148	63.5	32.3	96.9	





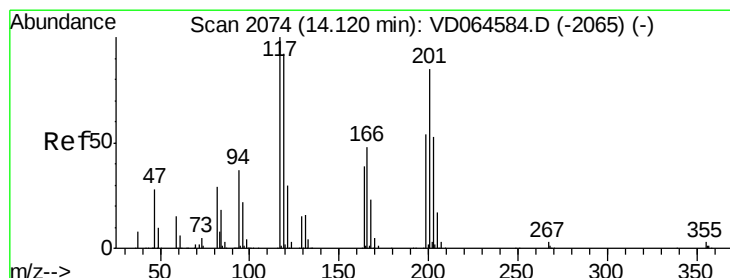
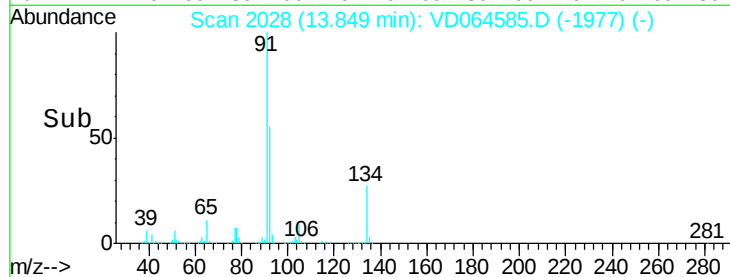
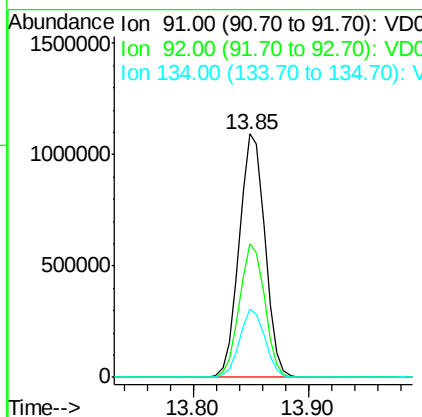
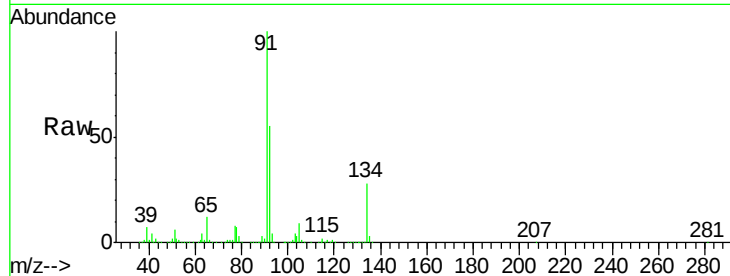
#89
n-Butylbenzene
Concen: 95.801 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1688649
Ion Ratio Lower Upper
91 100
92 54.0 26.8 80.4
134 27.5 14.0 41.9

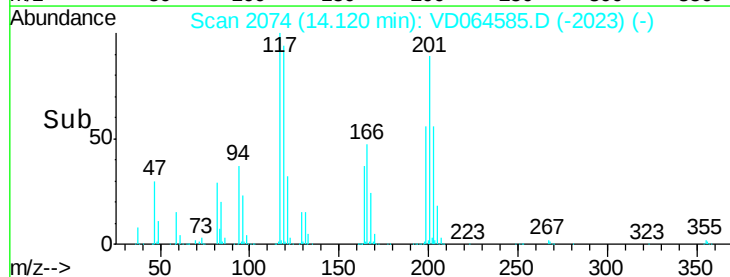
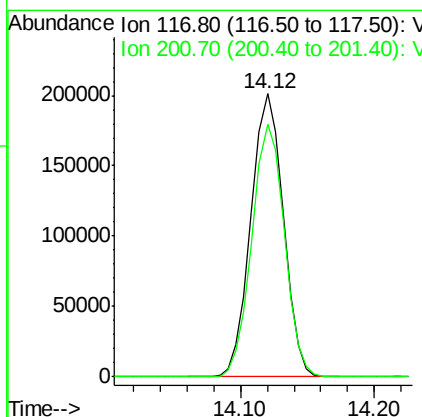
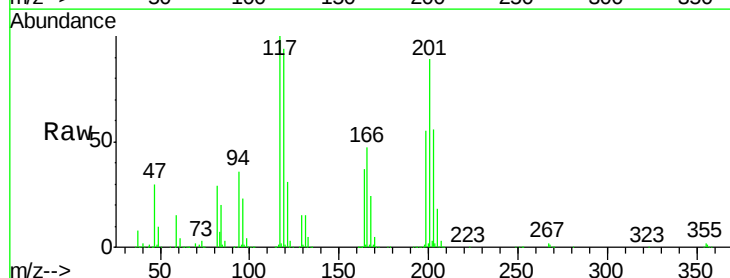
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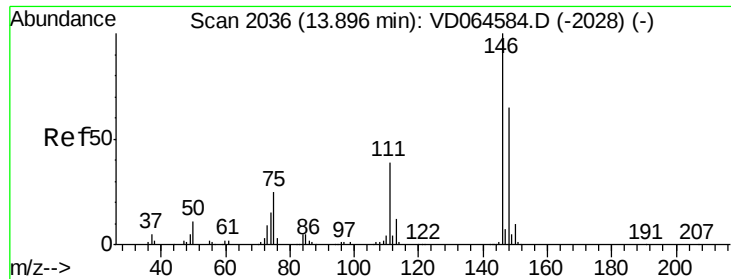
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#90
Hexachloroethane
Concen: 87.871 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064585.D
Acq: 24 Dec 2019 12:14

Tgt Ion: 117 Resp: 337705
Ion Ratio Lower Upper
117 100
201 89.5 44.0 131.8





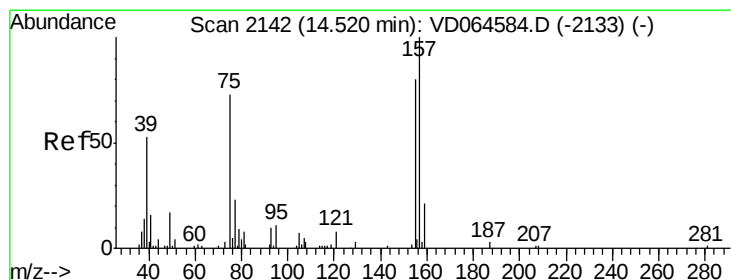
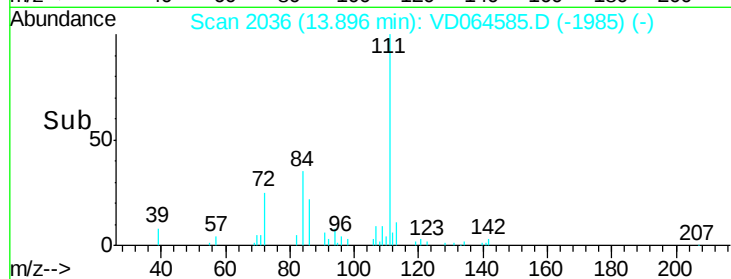
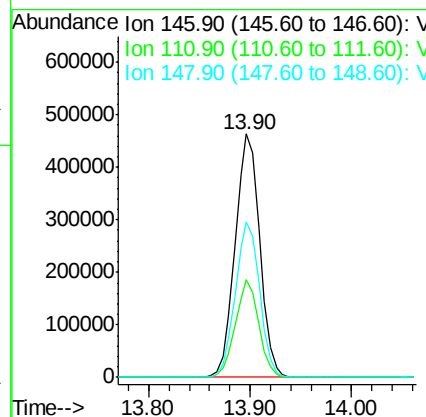
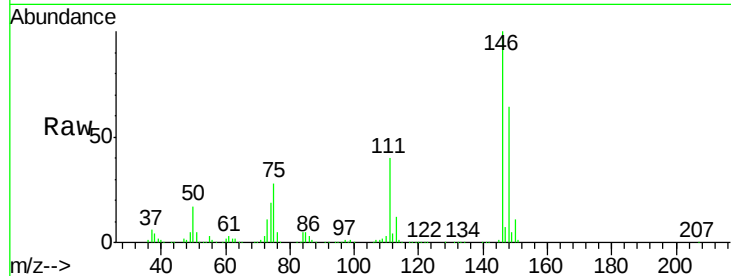
#91
 1,2-Dichlorobenzene
 Concen: 91.518 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	63.3	31.9	95.5

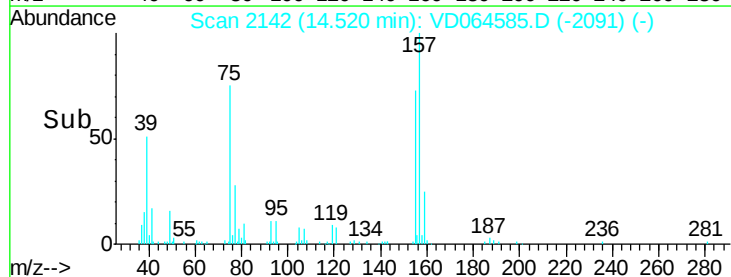
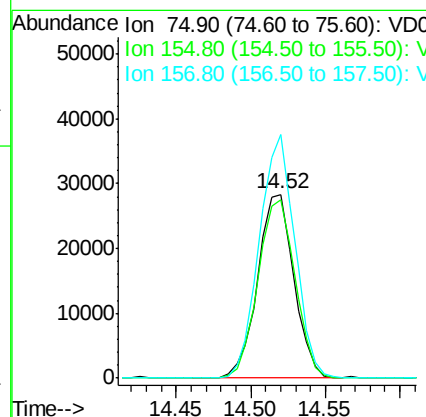
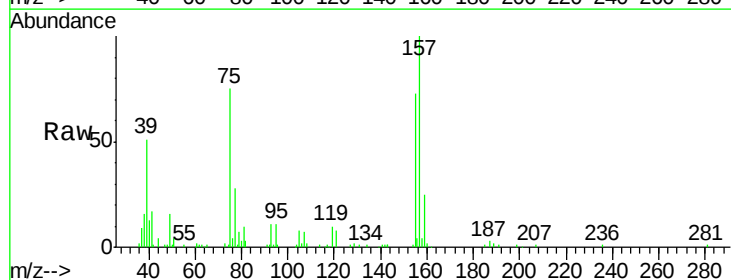
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 86.173 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.9	48.0	144.0
157	129.4	64.1	192.3





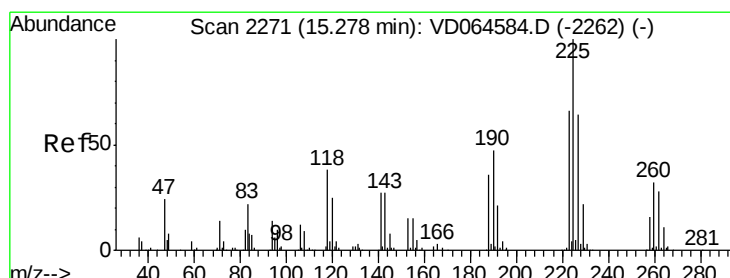
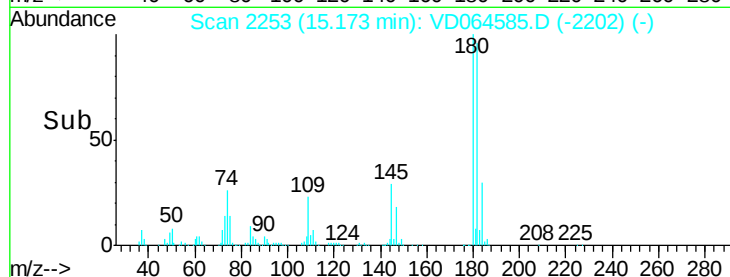
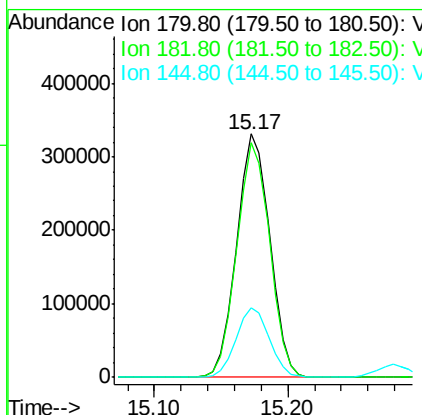
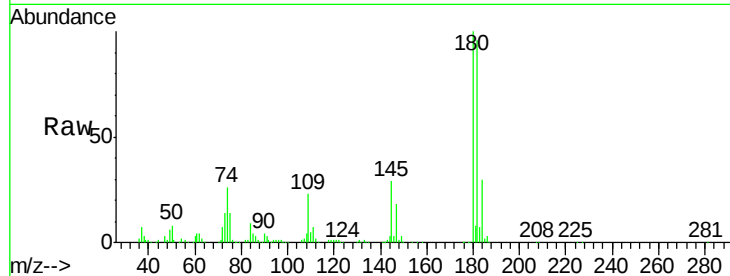
#93
 1,2,4-Trichlorobenzene
 Concen: 91.037 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	569673		
182	95.5	48.0	144.2	
145	28.6	13.8	41.4	

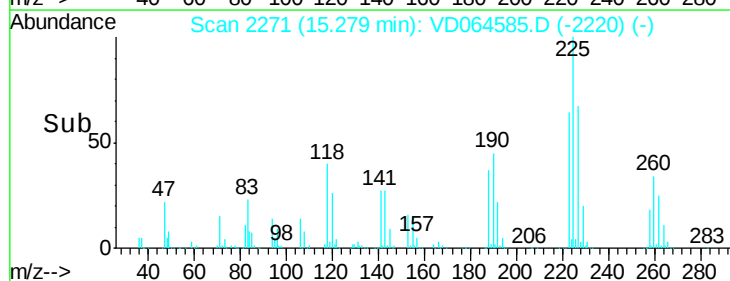
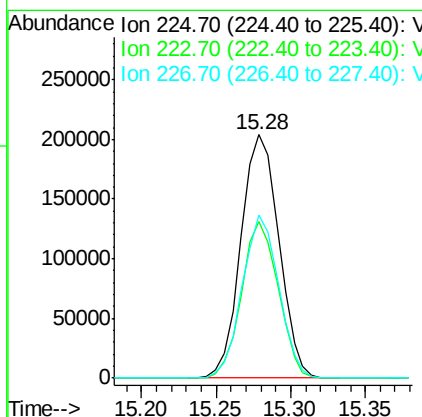
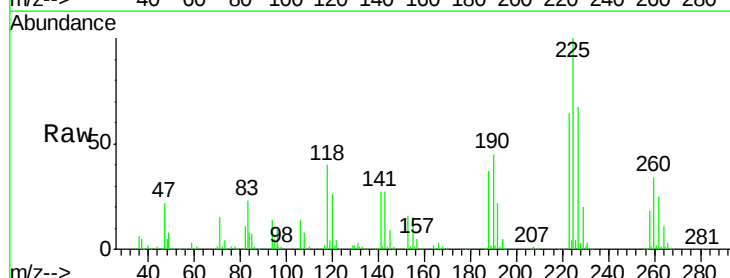
Manual Integrations
 APPROVED

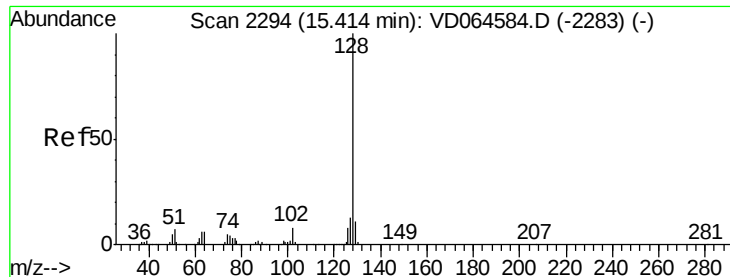
apatel
 12/26/2019 11:14:00 AM



#94
 Hexachlorobutadiene
 Concen: 91.050 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064585.D
 Acq: 24 Dec 2019 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	359620		
223	62.2	31.1	93.2	
227	64.2	30.9	92.7	





#95

Naphthalene

Concen: 98.974 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Instrument :

MSVOA_D

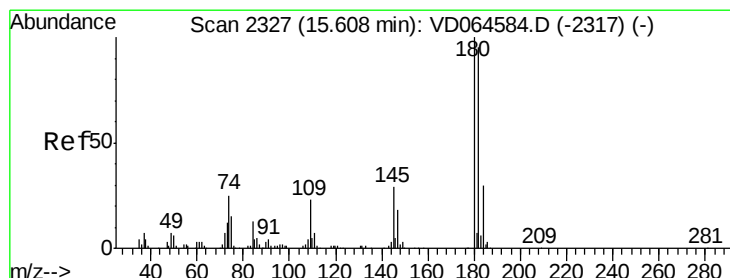
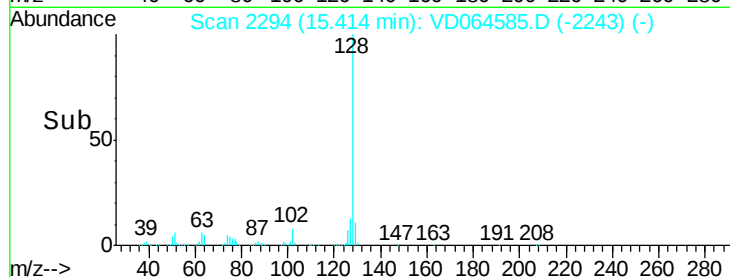
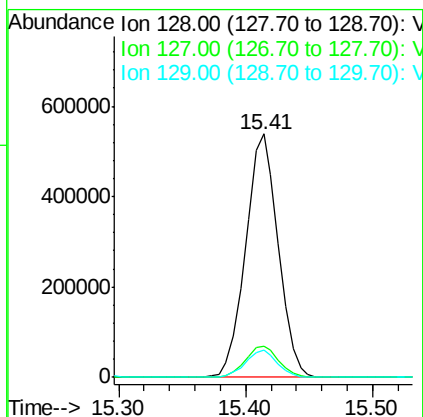
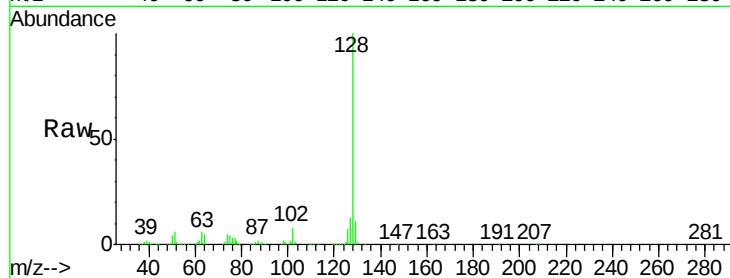
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	958979
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.9	8.5	12.7

Manual Integrations
APPROVED

apatel
12/26/2019 11:14:00 AM



#96

1,2,3-Trichlorobenzene

Concen: 92.130 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064585.D

Acq: 24 Dec 2019 12:14

Tgt Ion:	180	Resp:	492219
Ion Ratio		Lower	Upper
180	100		
182	95.4	47.9	143.7
145	29.4	14.9	44.7

