

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120919\
 Data File : VD064471.D
 Acq On : 09 Dec 2019 13:08
 Operator : VA/SY
 Sample : VD1209SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Manual Integrations
 APPROVED

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 12/10/2019 4:06:49 PM

Quant Time: Dec 10 02:51:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	417631	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	627325	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	569681	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	283641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	203397	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	7.92	113	200316	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.34	98	747323	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.64	95	241955	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76492	20.214	ug/l	96
3) Chloromethane	2.21	50	99923	20.936	ug/l	99
4) Vinyl Chloride	2.35	62	112241	20.368	ug/l	98
5) Bromomethane	2.76	94	78970	19.378	ug/l	99
6) Chloroethane	2.92	64	73813	20.039	ug/l	99
7) Trichlorofluoromethane	3.27	101	186402	20.347	ug/l	96
8) Diethyl Ether	3.71	74	41701	21.905	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	82135	20.910	ug/l	98
10) Methyl Iodide	4.29	142	78300	18.876	ug/l	97
11) Tert butyl alcohol	5.24	59	26346	109.489	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	76953	20.443	ug/l	99
13) Acrolein	3.92	56	33604	102.385	ug/l	100
14) Allyl chloride	4.71	41	122716	20.889	ug/l	99
15) Acrylonitrile	5.43	53	92065	110.592	ug/l	99
16) Acetone	4.16	43	85455	111.867	ug/l	96
17) Carbon Disulfide	4.40	76	240521	20.174	ug/l	98
18) Methyl Acetate	4.72	43	53591	24.051	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	188729	21.857	ug/l	94
20) Methylene Chloride	4.96	84	91225	20.917	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	89649	21.054	ug/l	97
22) Diisopropyl ether	6.37	45	248882	21.460	ug/l	100
23) Vinyl Acetate	6.31	43	740528	108.311	ug/l	100
24) 1,1-Dichloroethane	6.26	63	148048	21.227	ug/l	96
25) 2-Butanone	7.22	43	117179	108.468	ug/l	97
26) 2,2-Dichloropropane	7.21	77	130314	21.485	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	98433	21.204	ug/l	98
28) Bromochloromethane	7.54	49	42477	17.821	ug/l	95
29) Tetrahydrofuran	7.57	42	79722	115.990	ug/l	98
30) Chloroform	7.71	83	154835	21.436	ug/l	98
31) Cyclohexane	7.98	56	141167	20.474	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	140631	21.000	ug/l	100
36) 1,1-Dichloropropene	8.11	75	119934	20.213	ug/l	99
37) Ethyl Acetate	7.30	43	53959	21.431	ug/l	99
38) Carbon Tetrachloride	8.09	117	125670	20.067	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	146682	19.929	ug/l	97
40) Benzene	8.35	78	329482	19.993	ug/l	99
41) Methacrylonitrile	7.53	41	27959	19.364	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	102652	21.359	ug/l	98
43) Isopropyl Acetate	8.46	43	104777	21.165	ug/l	99
44) Trichloroethene	9.11	130	100157	20.176	ug/l	89
45) 1,2-Dichloropropane	9.39	63	82718	20.987	ug/l	94
46) Dibromomethane	9.48	93	47083	21.166	ug/l	99
47) Bromodichloromethane	9.66	83	119718	20.945	ug/l	99
48) Methyl methacrylate	9.46	41	50473	22.281	ug/l	94
49) 1,4-Dioxane	9.46	88	11328	412.387	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	264582	108.019	ug/l	99
52) Toluene	10.40	92	214171	19.941	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	114983	21.108	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	134260	20.747	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	65662	21.557	ug/l	92
56) Ethyl methacrylate	10.66	69	81272	20.920	ug/l	98
57) 1,3-Dichloropropane	10.94	76	111486	21.501	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	174210	112.488	ug/l	98
59) 2-Hexanone	10.98	43	178660	105.117	ug/l	100
60) Dibromochloromethane	11.14	129	85223	20.636	ug/l	98
61) 1,2-Dibromoethane	11.25	107	64049	21.060	ug/l	99
64) Tetrachloroethene	10.87	164	87137	20.058	ug/l	97
65) Chlorobenzene	11.67	112	230234	19.377	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	88915	20.215	ug/l	97
67) Ethyl Benzene	11.75	91	400545	18.947	ug/l	99
68) m/p-Xylenes	11.85	106	313844	38.936	ug/l	99
69) o-Xylene	12.18	106	145254	19.512	ug/l	99
70) Styrene	12.20	104	255144	19.723	ug/l	98
71) Bromoform	12.36	173	54082	20.552	ug/l #	97
73) Isopropylbenzene	12.48	105	390535	19.144	ug/l	100
74) N-amyl acetate	12.29	43	94226	20.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	69363	20.561	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	51238m	21.966	ug/l	
77) Bromobenzene	12.77	156	99486	19.749	ug/l	96
78) n-propylbenzene	12.83	91	450589	19.144	ug/l	100
79) 2-Chlorotoluene	12.91	91	248146	19.160	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	317813	19.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	22253	20.802	ug/l	98
82) 4-Chlorotoluene	13.01	91	267838	19.532	ug/l	99
83) tert-Butylbenzene	13.23	119	274451	18.937	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	324803	19.376	ug/l	99
85) sec-Butylbenzene	13.41	105	382433	19.226	ug/l	98
86) p-Isopropyltoluene	13.52	119	349457	18.609	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	183462	19.188	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	185097	19.608	ug/l	99
89) n-Butylbenzene	13.85	91	324088	19.004	ug/l	99
90) Hexachloroethane	14.12	117	66084	18.814	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	161643	19.782	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11204	19.560	ug/l	96

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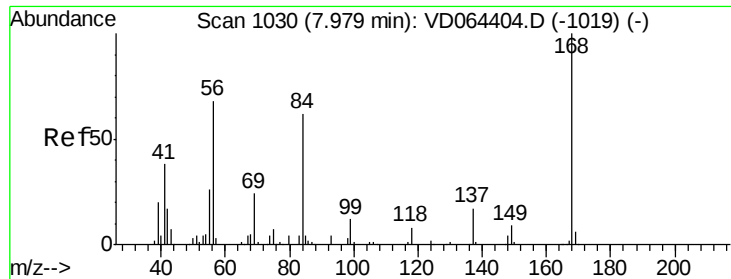
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	123068	19.666	ug/l	98
94) Hexachlorobutadiene	15.28	225	71144	18.415	ug/l	97
95) Naphthalene	15.41	128	204401	19.572	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	106678	19.970	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion:168 Resp: 417631

Ion Ratio Lower Upper

168 100

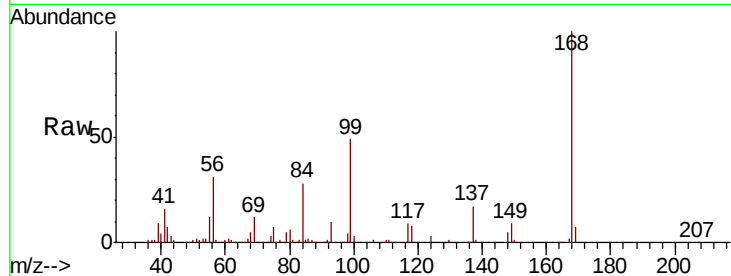
99 49.0 40.7 61.1

Manual Integrations

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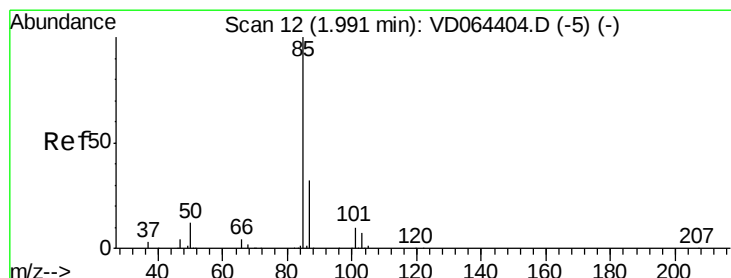
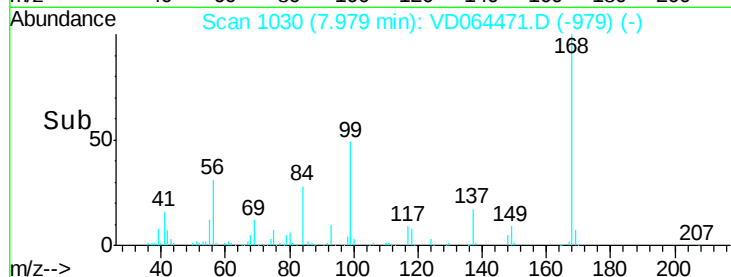
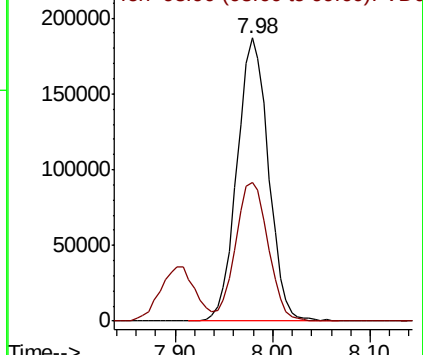
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.214 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064471.D

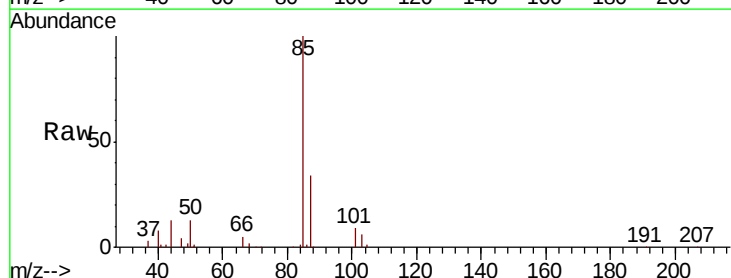
Acq: 09 Dec 2019 13:08

Tgt Ion: 85 Resp: 76492

Ion Ratio Lower Upper

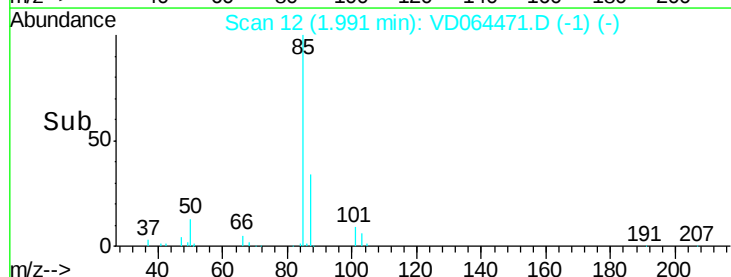
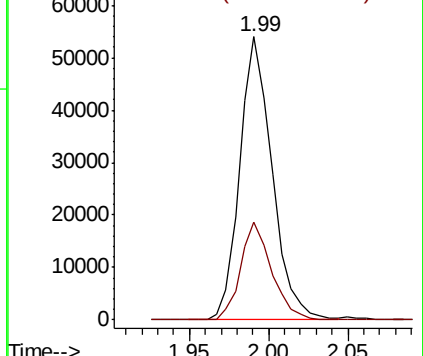
85 100

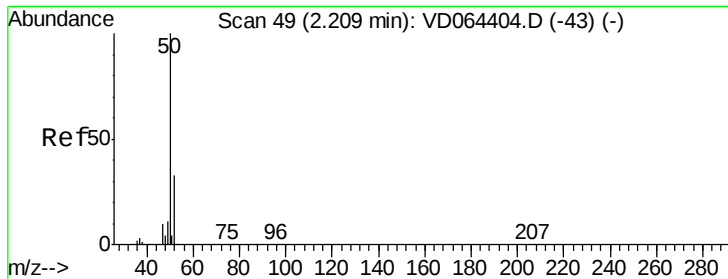
87 34.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.936 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 50 Resp: 99923

Ion Ratio Lower Upper

50 100

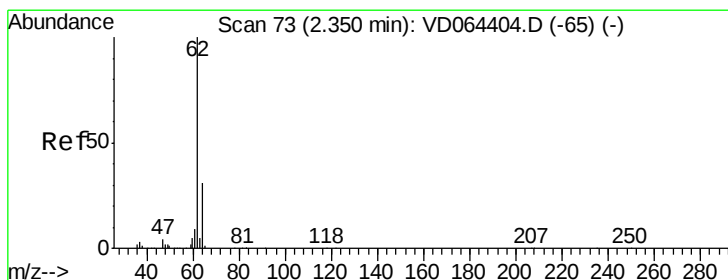
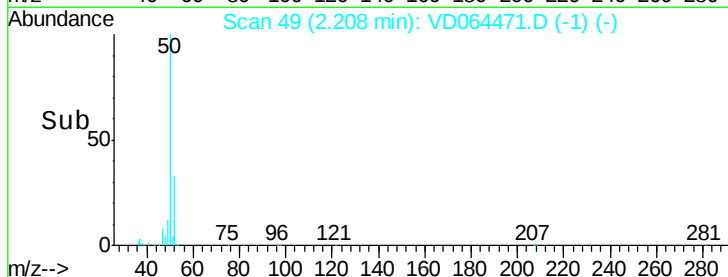
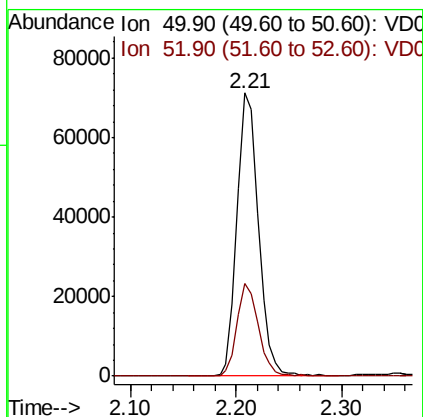
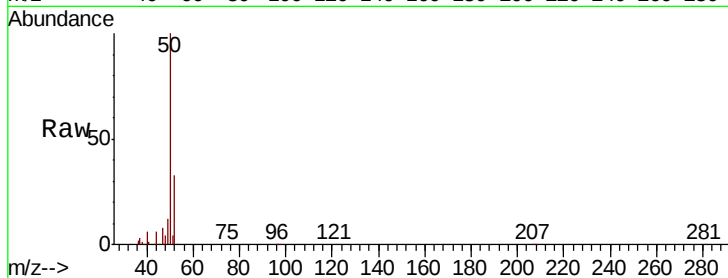
52 32.8 26.7 40.1

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#4

Vinyl Chloride

Concen: 20.368 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064471.D

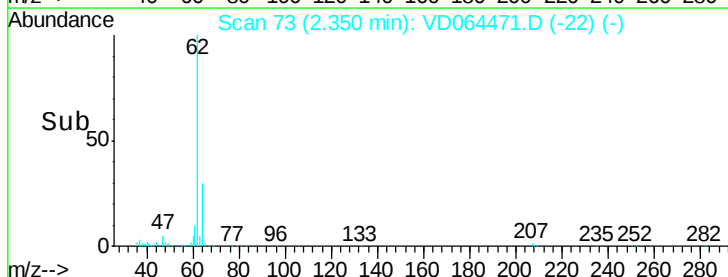
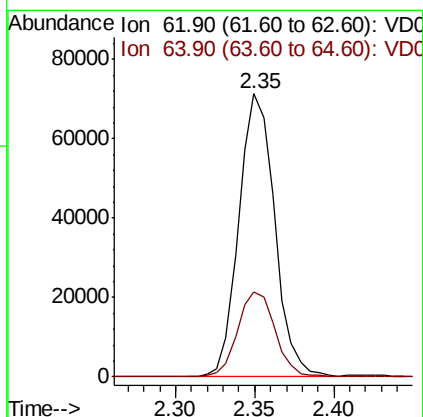
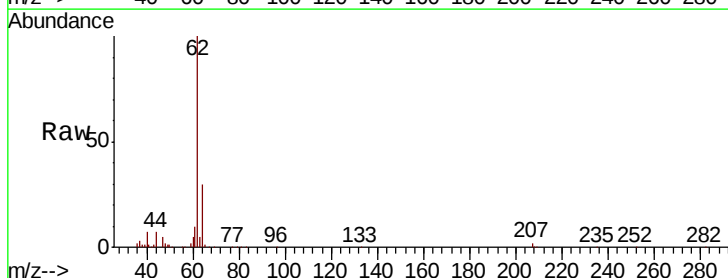
Acq: 09 Dec 2019 13:08

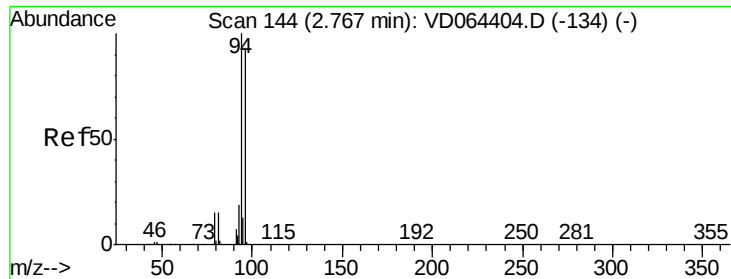
Tgt Ion: 62 Resp: 112241

Ion Ratio Lower Upper

62 100

64 30.1 25.0 37.4





#5

Bromomethane

Concen: 19.378 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 94 Resp: 78970

Ion Ratio Lower Upper

94 100

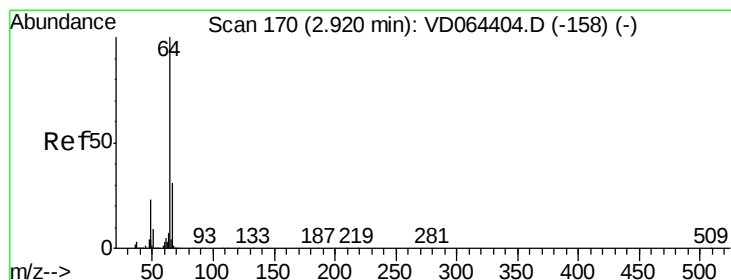
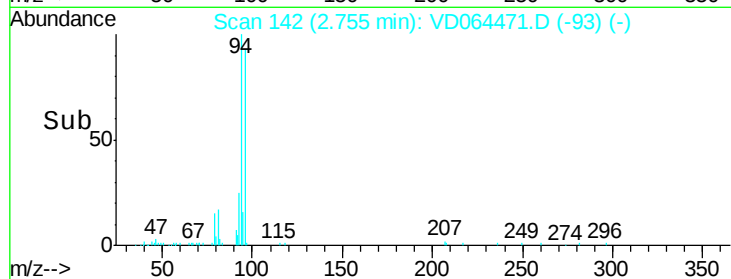
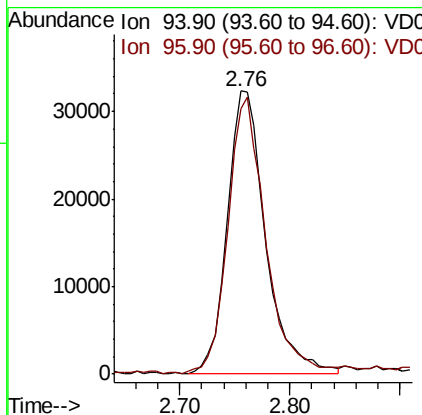
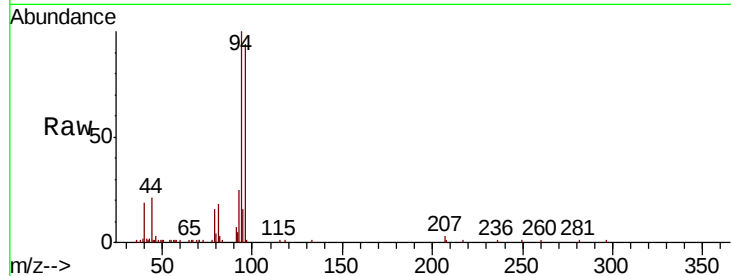
96 92.8 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 20.039 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064471.D

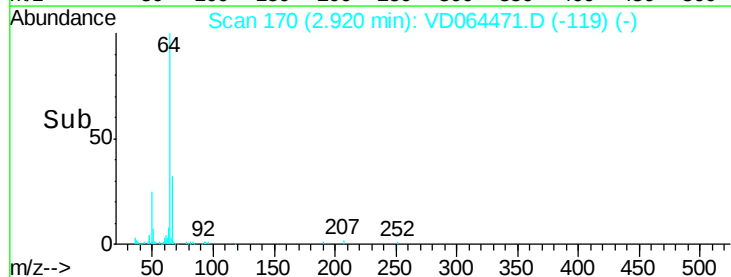
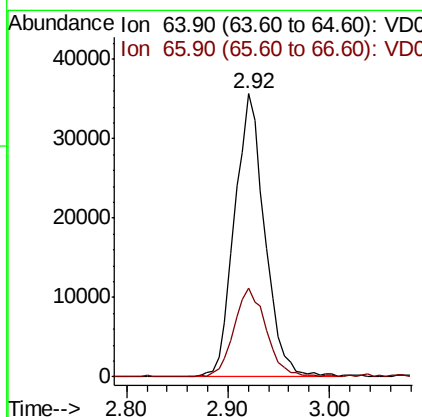
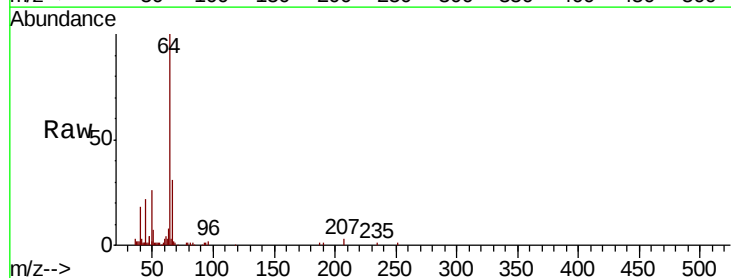
Acq: 09 Dec 2019 13:08

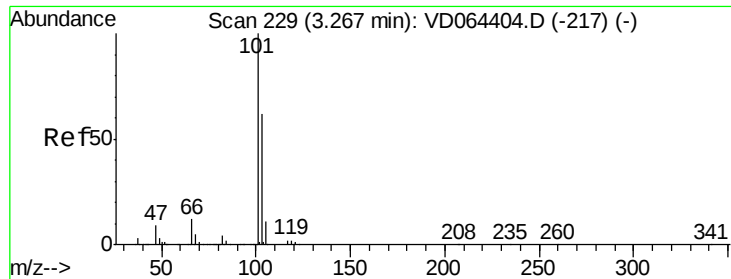
Tgt Ion: 64 Resp: 73813

Ion Ratio Lower Upper

64 100

66 31.4 24.6 37.0





#7

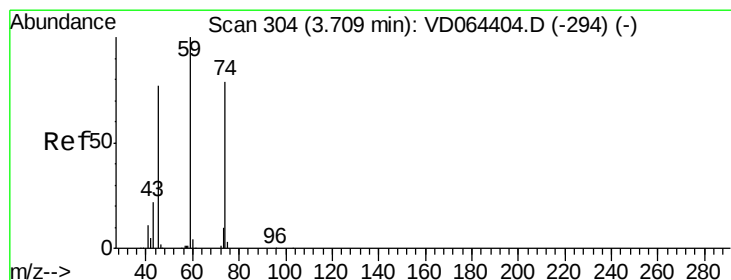
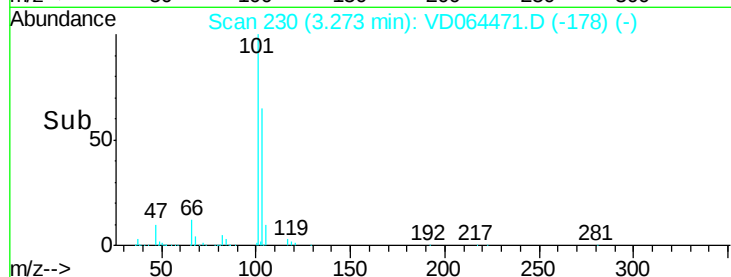
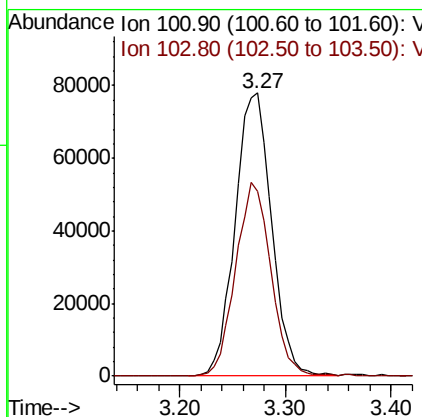
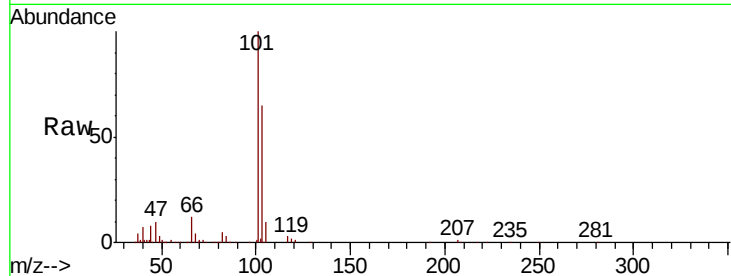
Trichlorofluoromethane
Concen: 20.347 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

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ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	186402		
103	65.4	49.8	74.6	

Manual Integrations
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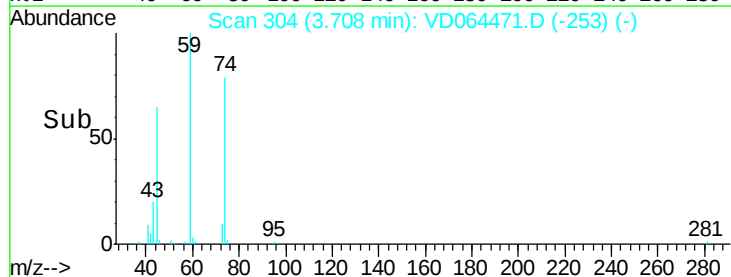
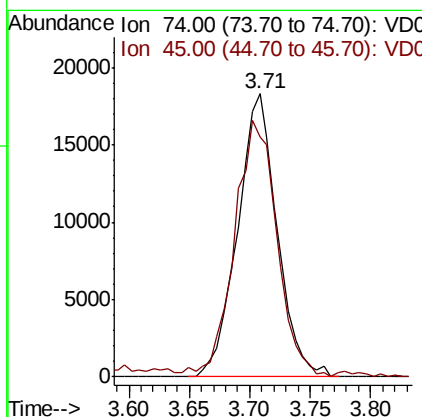
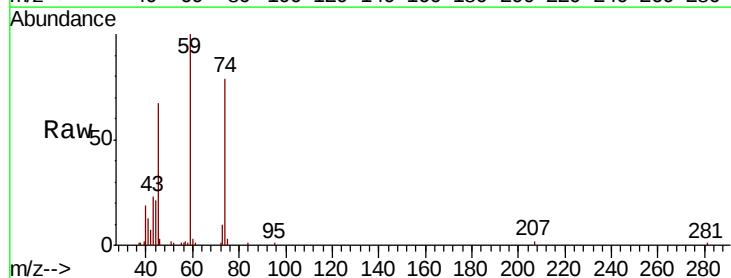
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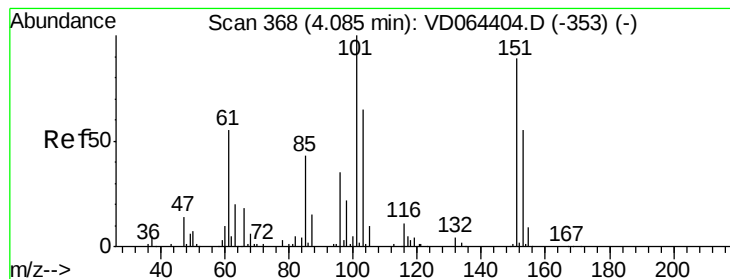


#8

Diethyl Ether
Concen: 21.905 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	41701		
45	97.6	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.910 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

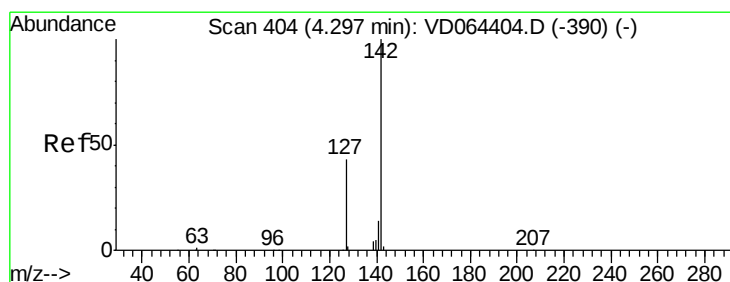
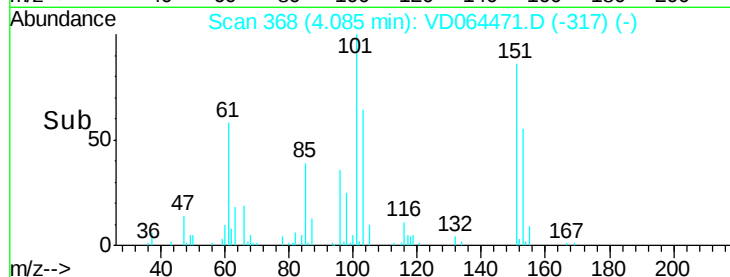
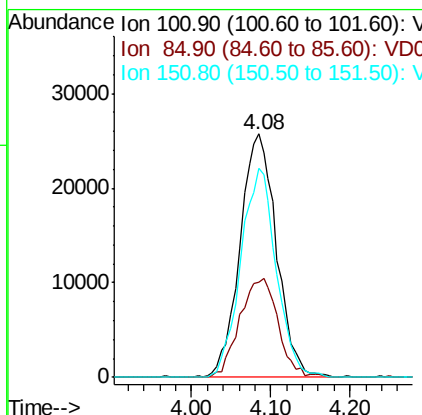
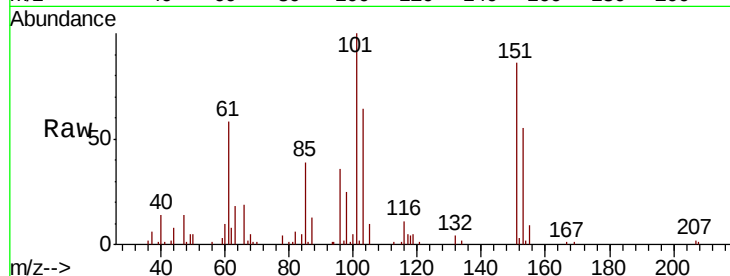
ClientSampleId :

VD1209SBS01

Tot Ion:	101	Resp:	82135
Ion Ratio	Lower	Upper	
101	100		
85	42.4	34.8	52.2
151	83.6	68.8	103.2

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#10

Methyl Iodide

Concen: 18.876 ug/l

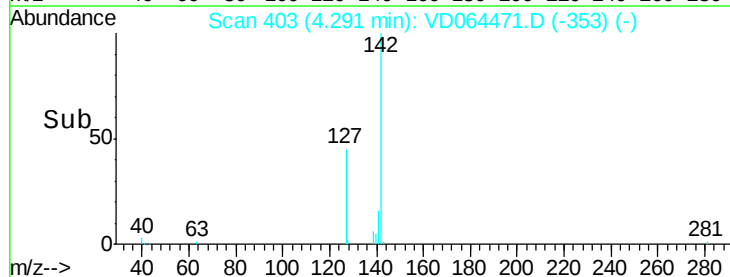
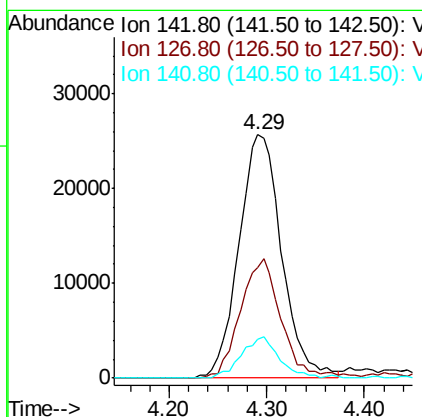
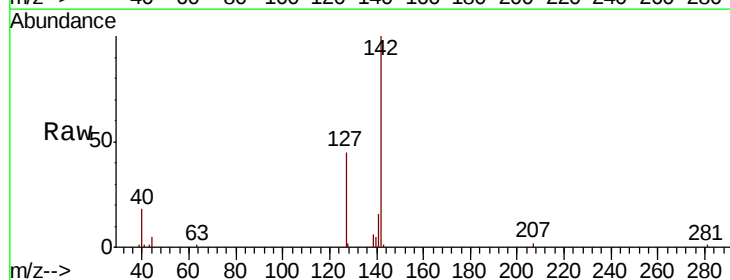
RT: 4.29 min Scan# 403

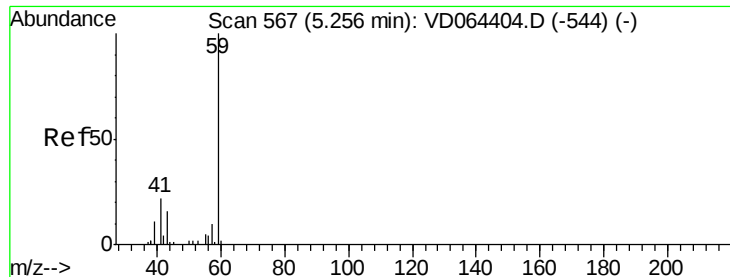
Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Tgt Ion:	142	Resp:	78300
Ion Ratio	Lower	Upper	
142	100		
127	46.8	35.3	52.9
141	14.9	11.6	17.4





#11

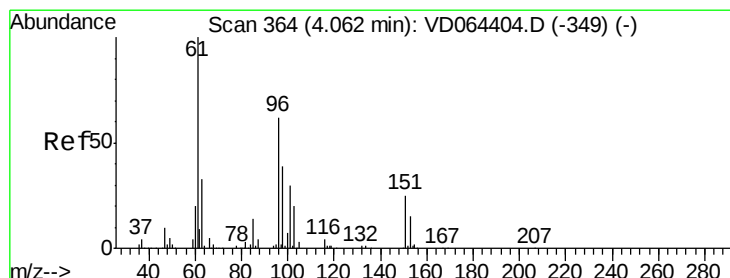
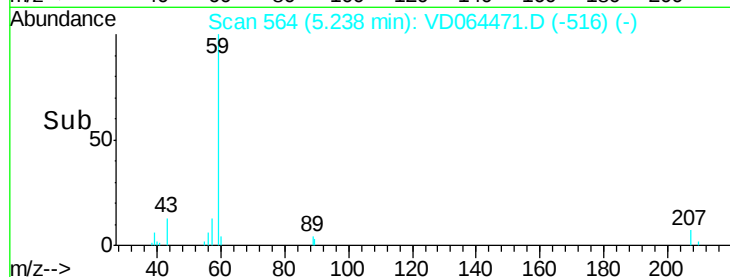
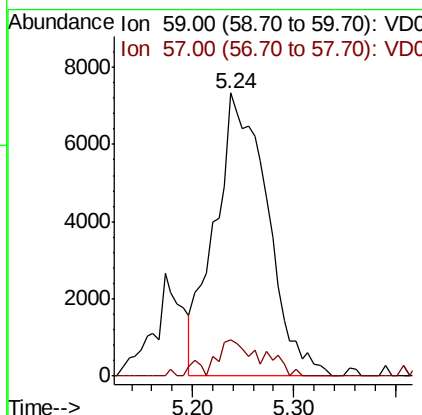
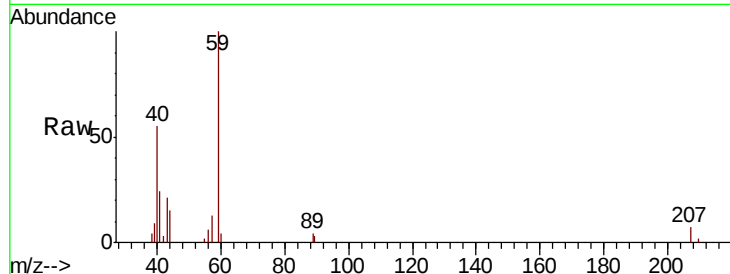
Tert butyl alcohol
Concen: 109.489 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion: 59 Resp: 26346
Ion Ratio Lower Upper
59 100
57 7.6 0.0 0.0#

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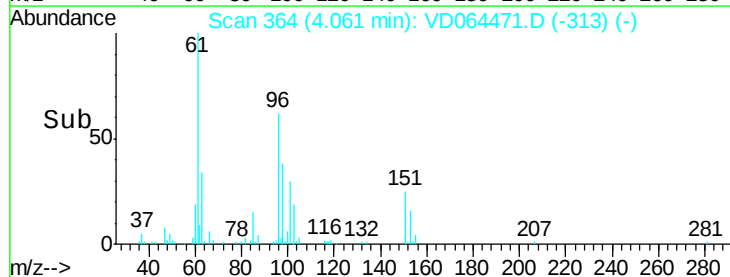
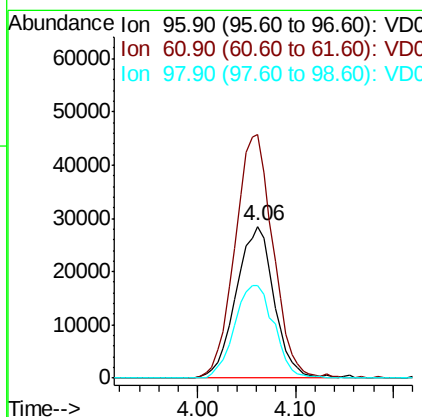
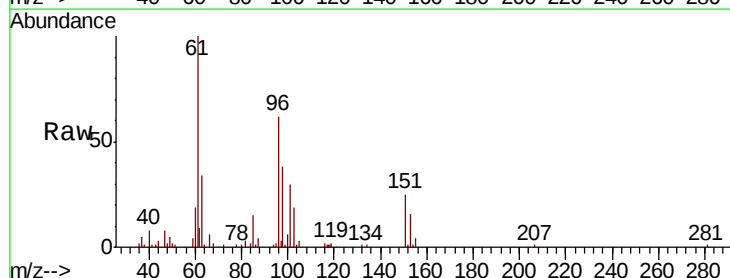
apatel
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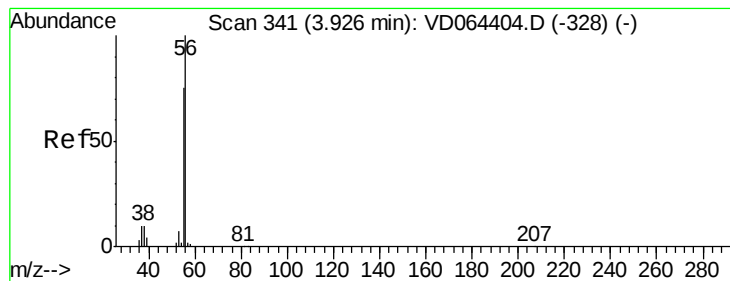


#12

1,1-Dichloroethene
Concen: 20.443 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion: 96 Resp: 76953
Ion Ratio Lower Upper
96 100
61 160.5 128.2 192.4
98 60.8 50.4 75.6





#13

Acrolein

Concen: 102.385 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 56 Resp: 33604

Ion Ratio Lower Upper

56 100

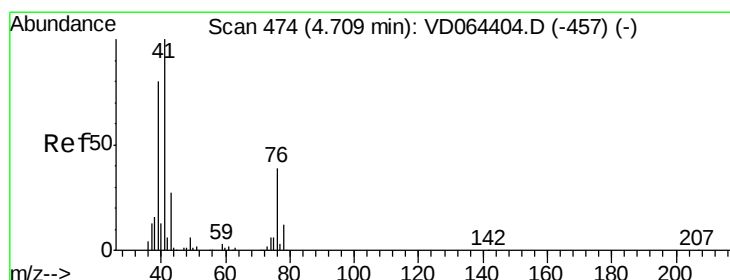
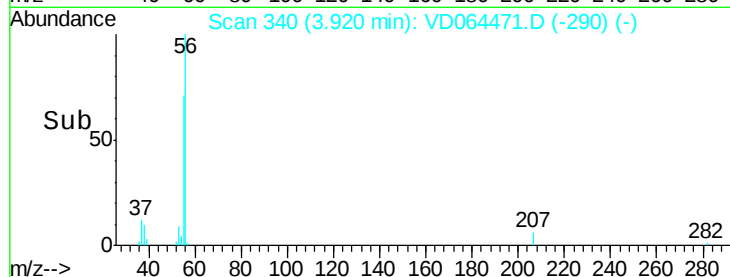
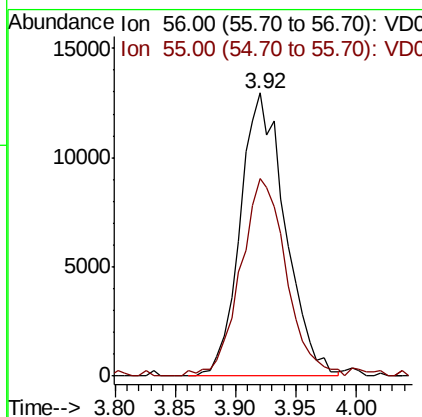
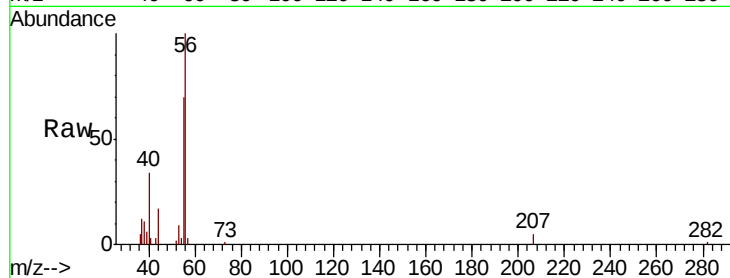
55 71.0 56.9 85.3

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#14

Allyl chloride

Concen: 20.889 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

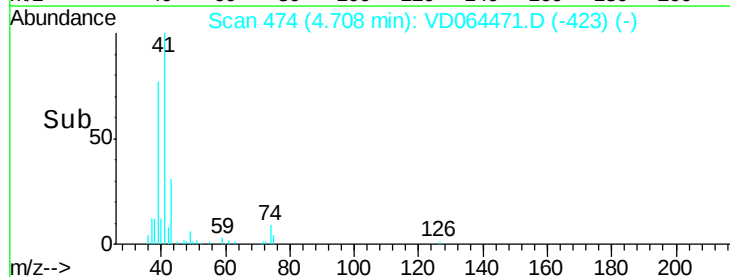
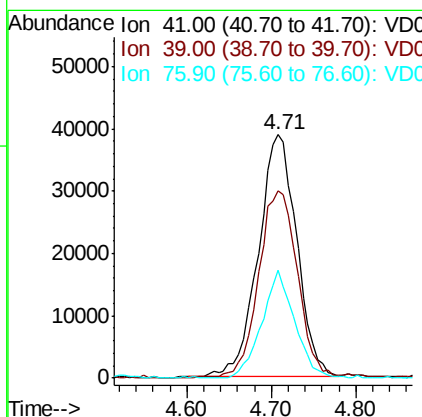
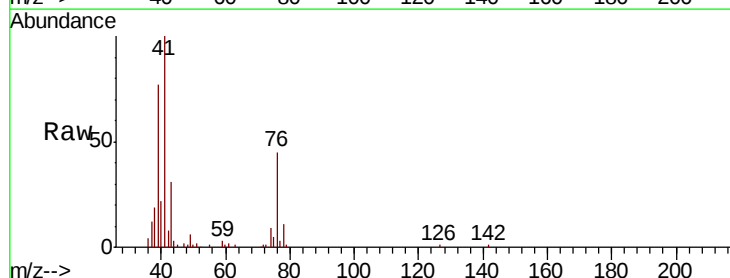
Tgt Ion: 41 Resp: 122716

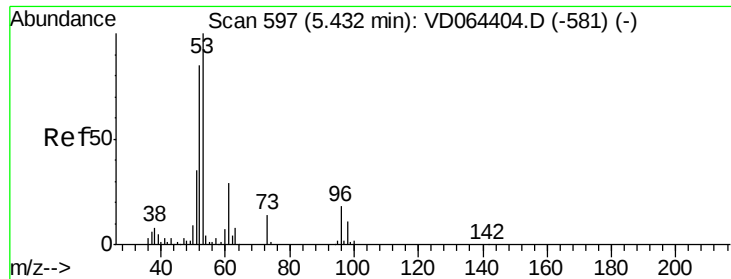
Ion Ratio Lower Upper

41 100

39 78.4 62.1 93.1

76 38.1 29.8 44.8





#15

Acrylonitrile

Concen: 110.592 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

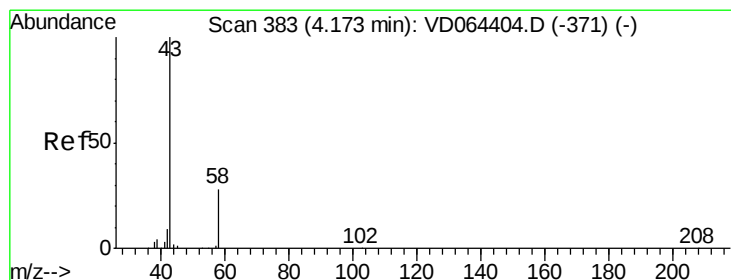
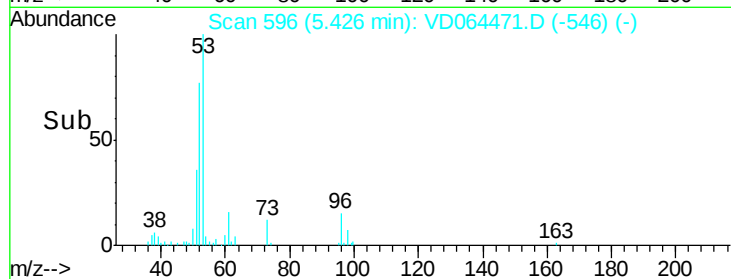
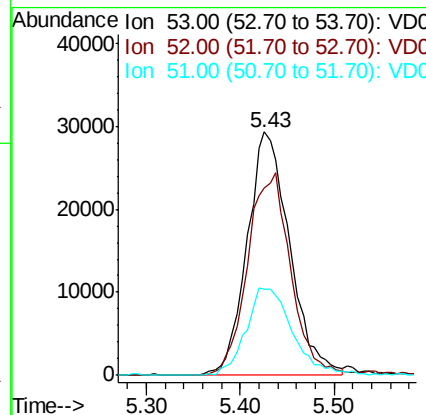
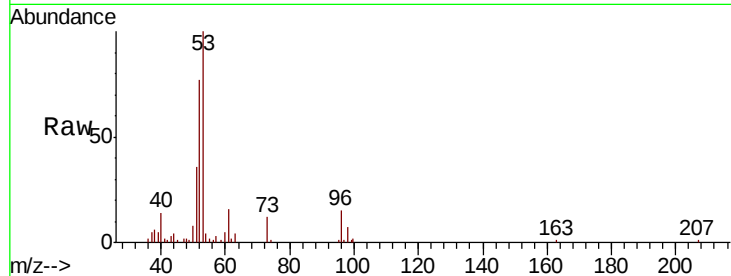
ClientSampleId :

VD1209SBS01

Tot Ion:	53	Resp:	92065
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.9	101.9
51	39.2	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 111.867 ug/l

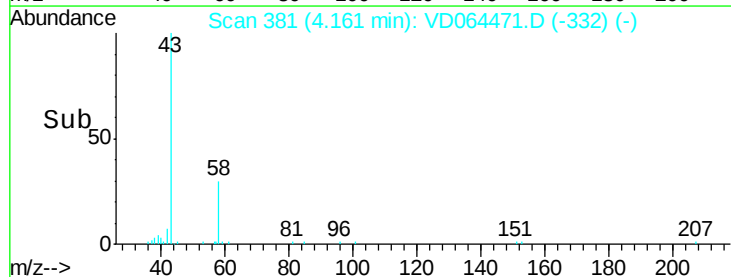
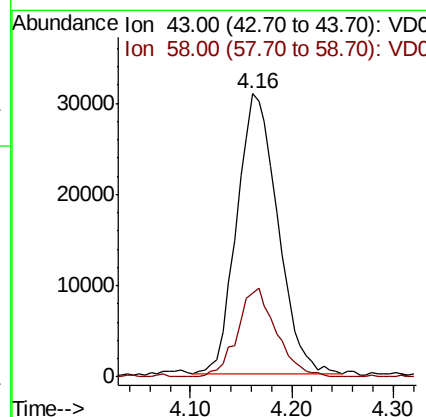
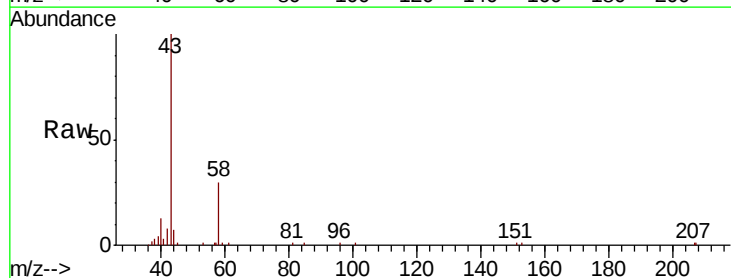
RT: 4.16 min Scan# 381

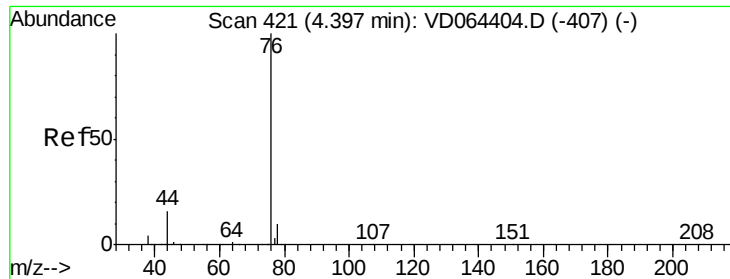
Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Tgt Ion:	43	Resp:	85455
Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.6	33.8





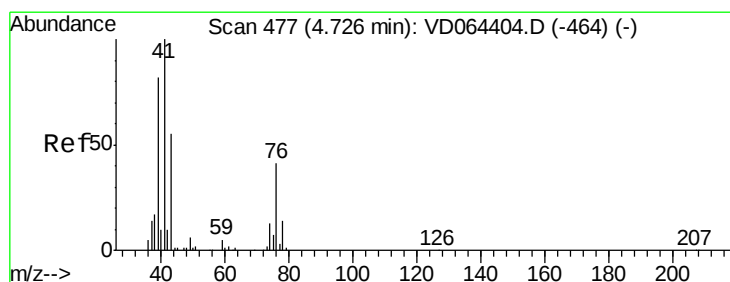
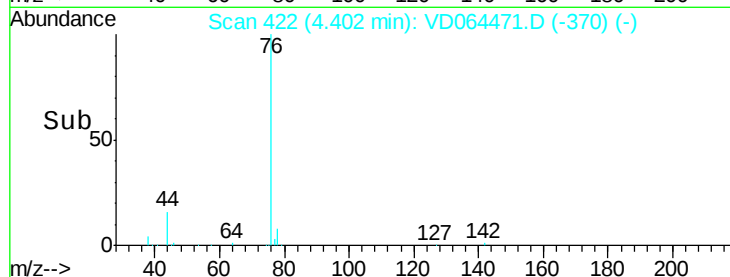
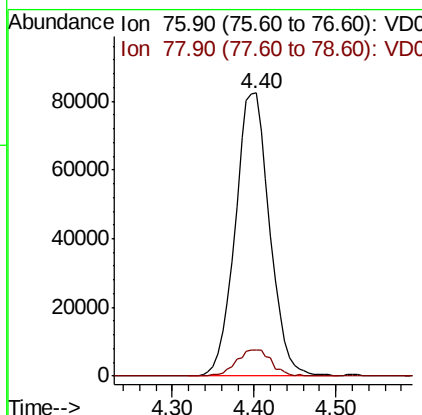
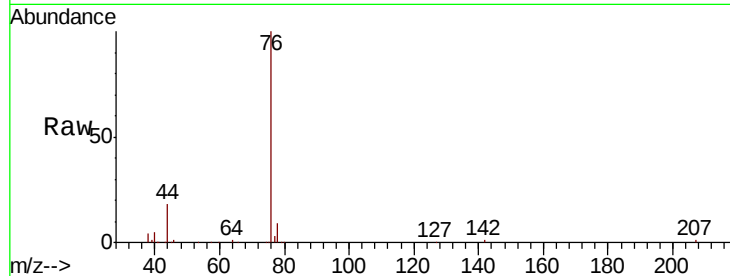
#17
Carbon Disulfide
Concen: 20.174 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.8	11.8

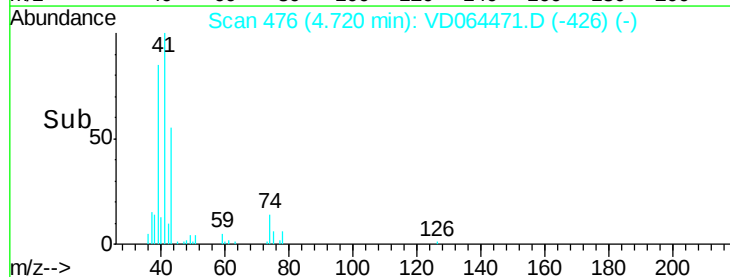
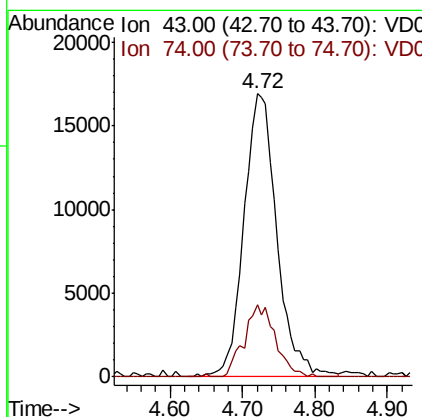
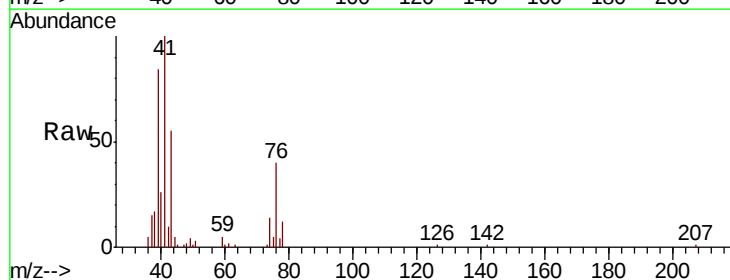
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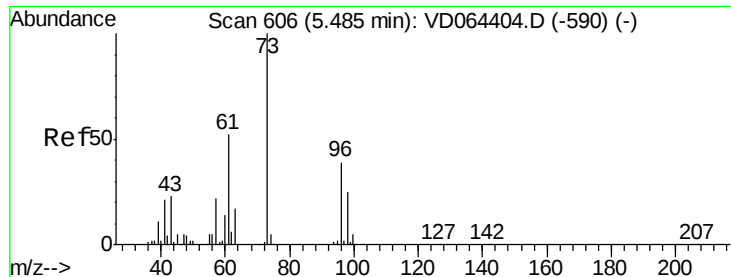
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#18
Methyl Acetate
Concen: 24.051 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.7	29.5





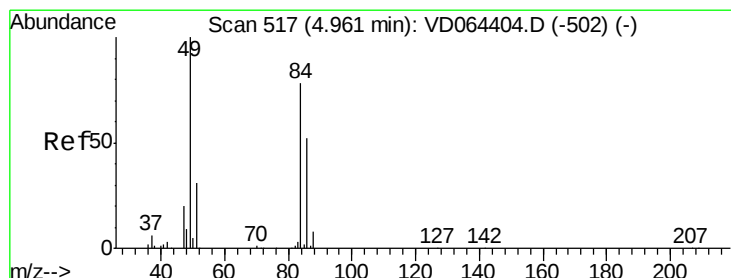
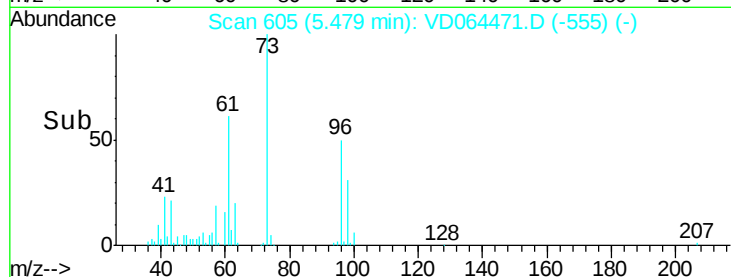
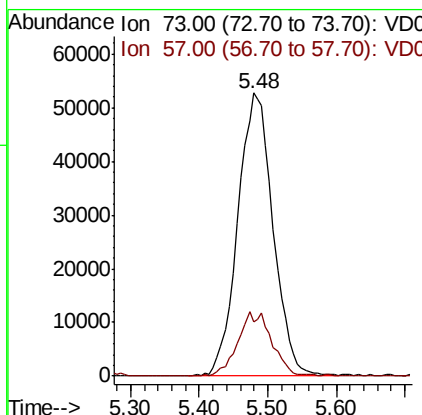
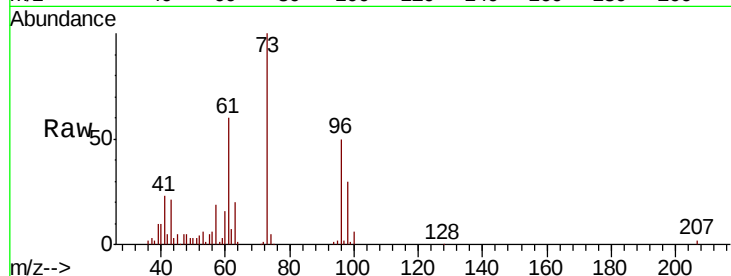
#19
Methvl tert-butvl Ether
Concen: 21.857 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion: 73 Resp: 188729
Ion Ratio Lower Upper
73 100
57 19.2 17.6 26.4

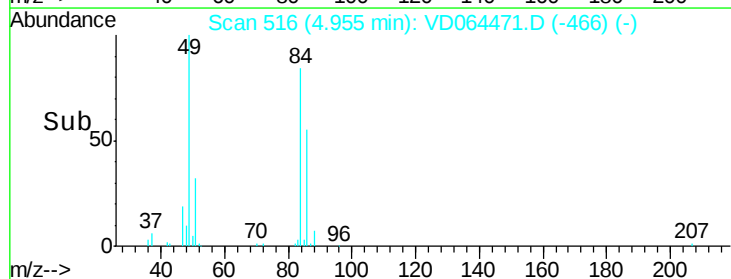
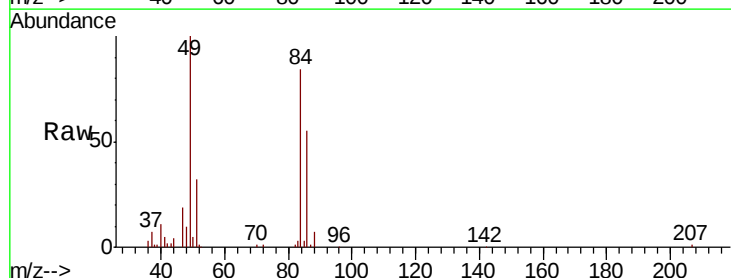
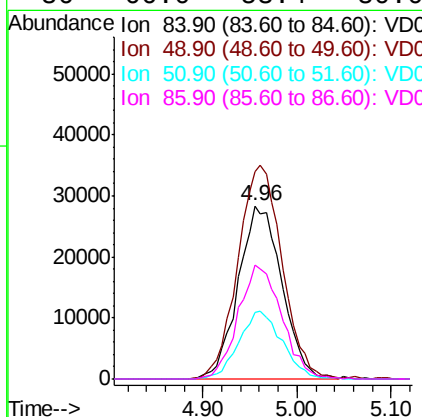
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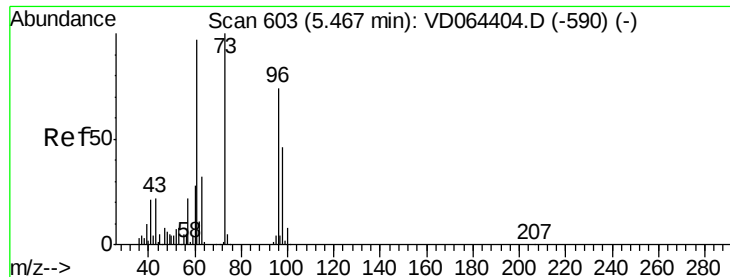
apatel
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#20
Methylene Chloride
Concen: 20.917 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion: 84 Resp: 91225
Ion Ratio Lower Upper
84 100
49 119.8 102.6 153.8
51 38.3 32.0 48.0
86 66.0 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.054 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

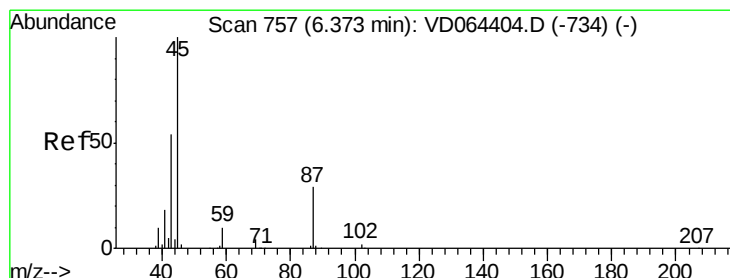
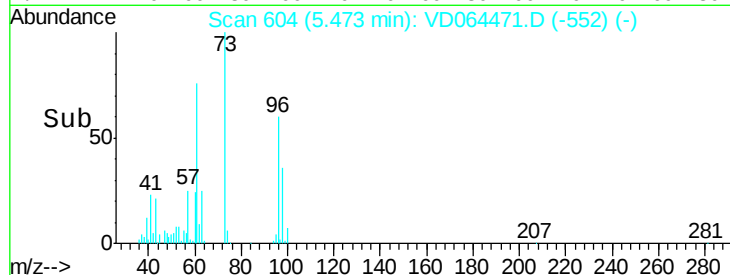
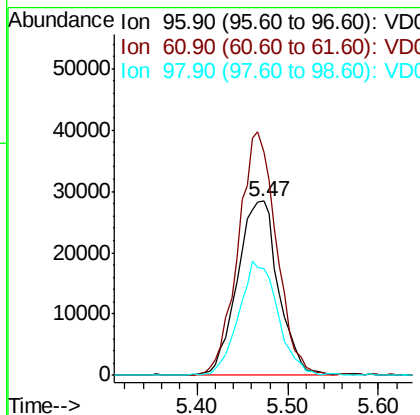
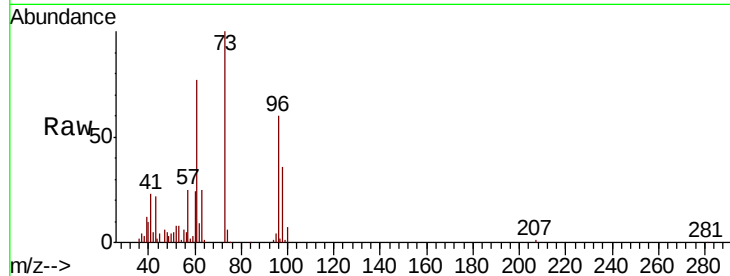
ClientSampleId :

VD1209SBS01

Tot Ion:	96	Resp:	89649
Ion	Ratio	Lower	Upper
96	100		
61	128.5	105.8	158.6
98	61.0	50.1	75.1

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#22

Diisopropyl ether

Concen: 21.460 ug/l

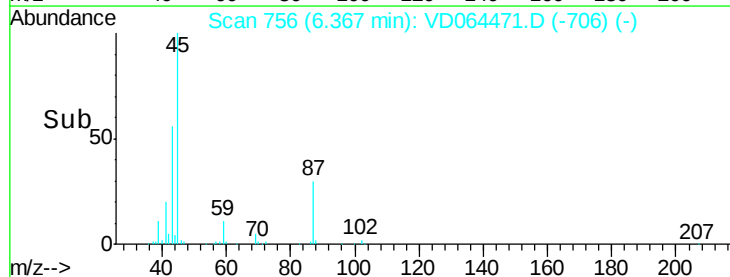
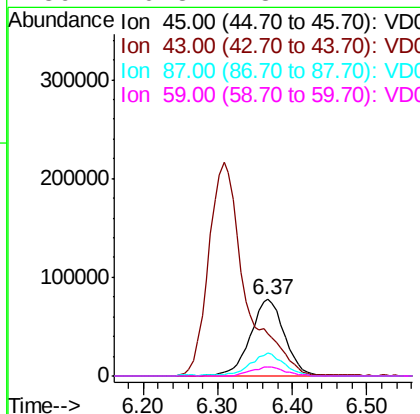
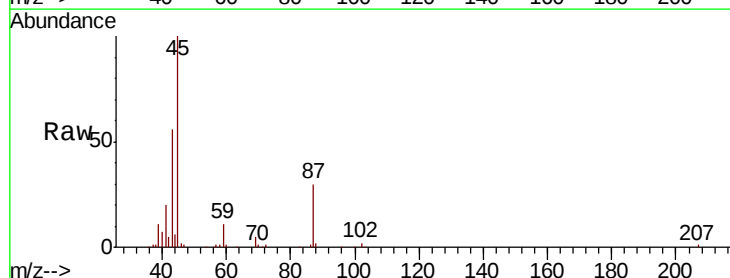
RT: 6.37 min Scan# 756

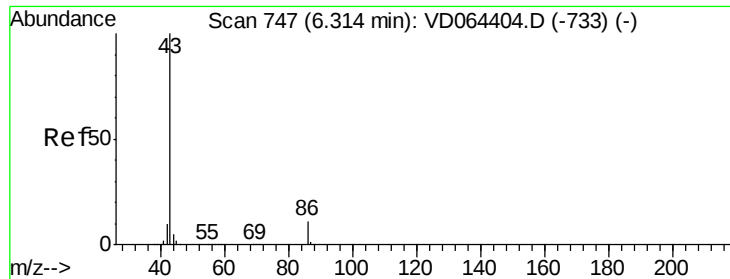
Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Tgt Ion:	45	Resp:	248882
Ion	Ratio	Lower	Upper
45	100		
43	53.9	43.1	64.7
87	29.5	23.5	35.3
59	10.8	8.2	12.2





#23

Vinyl Acetate

Concen: 108.311 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 43 Resp: 740528

Ion Ratio Lower Upper

43 100

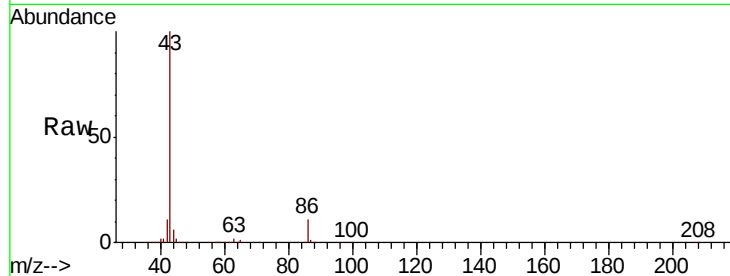
86 11.1 8.9 13.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

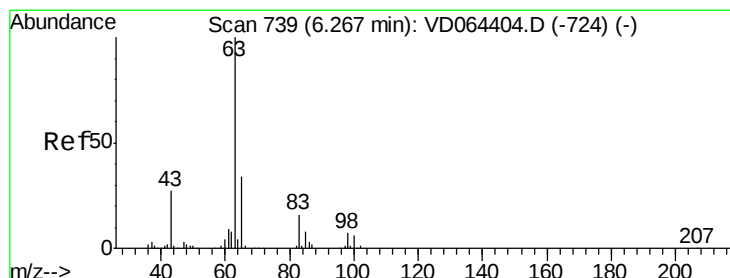
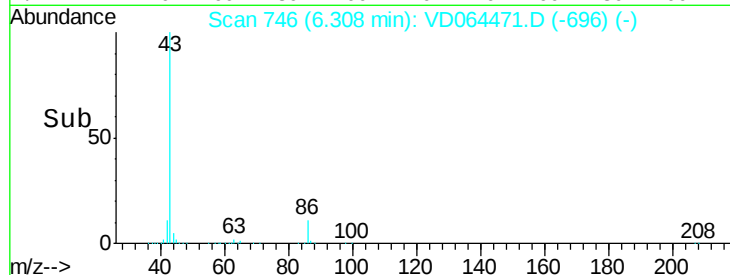
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 21.227 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

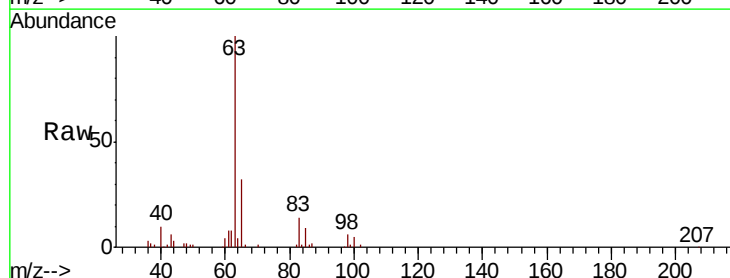
Tgt Ion: 63 Resp: 148048

Ion Ratio Lower Upper

63 100

98 6.0 3.6 10.9

100 4.5 2.9 8.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

50000

40000

30000

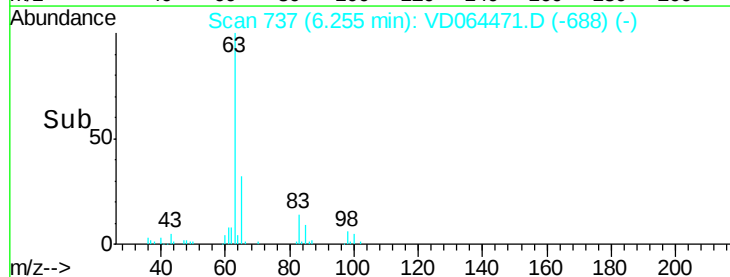
20000

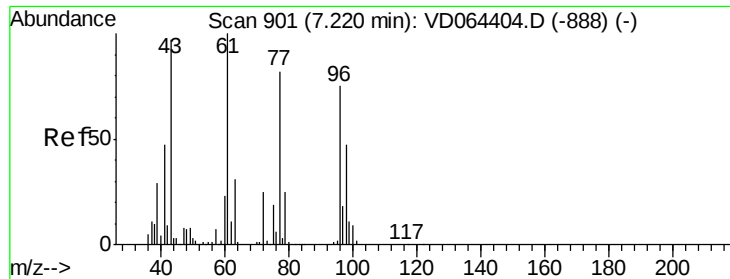
10000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 108.468 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 43 Resp: 117179

Ion Ratio Lower Upper

43 100

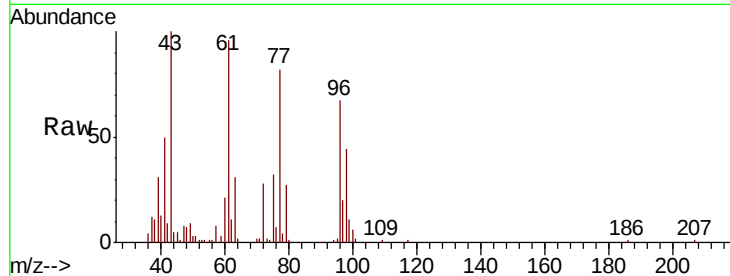
72 27.5 21.0 31.4

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

50000

40000

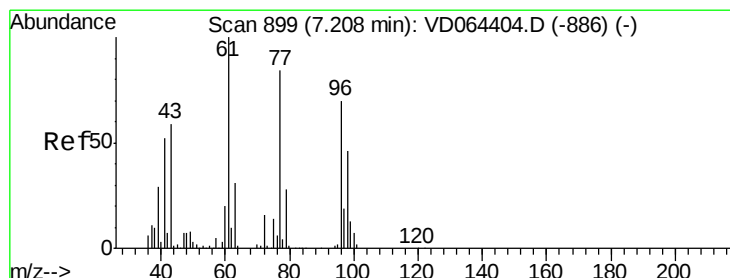
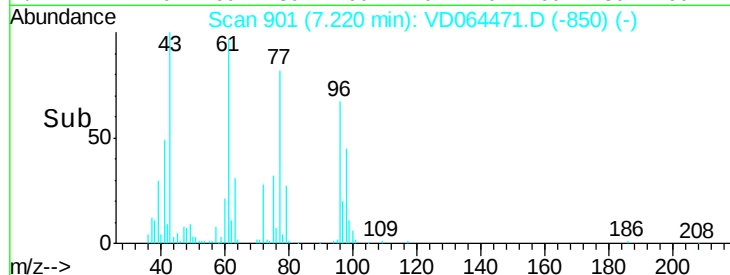
30000

20000

10000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 21.485 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD064471.D

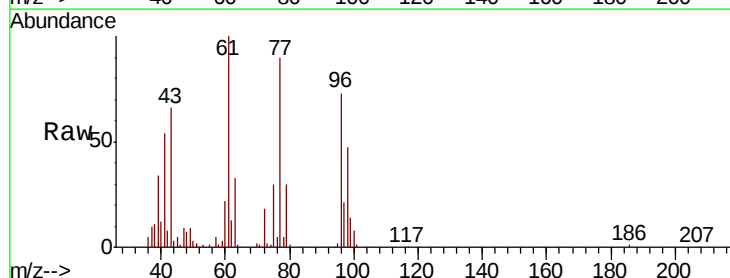
Acq: 09 Dec 2019 13:08

Tgt Ion: 77 Resp: 130314

Ion Ratio Lower Upper

77 100

97 22.8 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

50000

40000

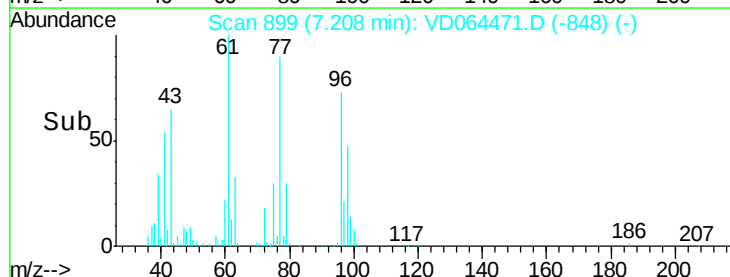
30000

20000

10000

0

Time--> 7.10 7.20 7.30





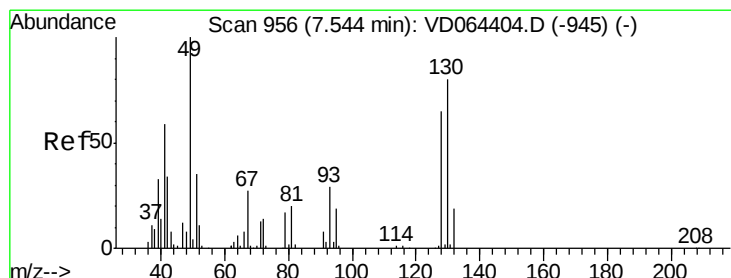
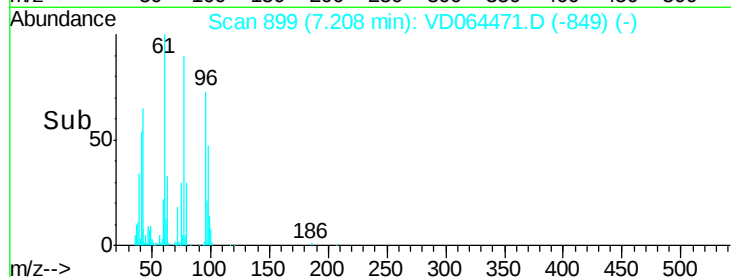
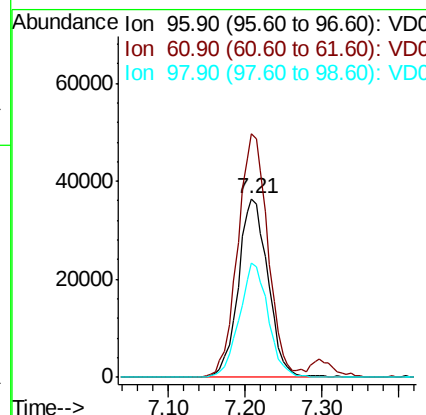
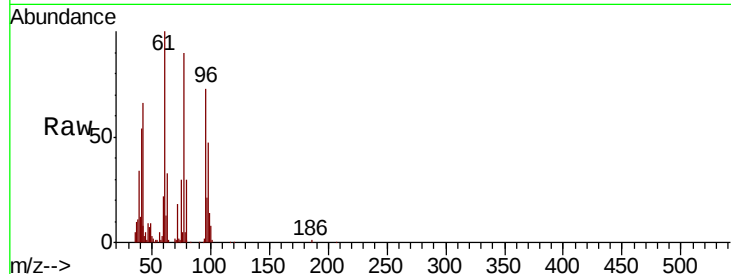
#27
 cis-1,2-Dichloroethene
 Concen: 21.204 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	137.9	0.0	279.6		
98	62.0	0.0	129.2		

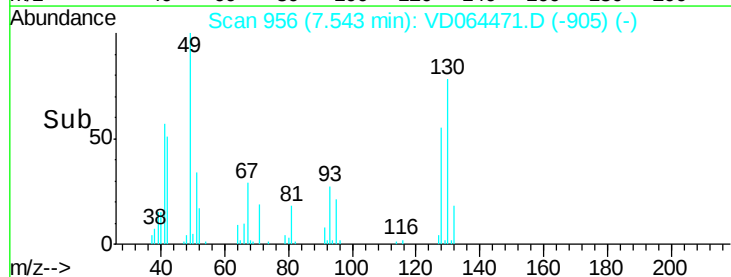
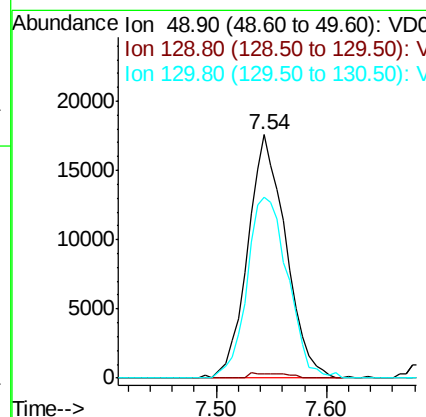
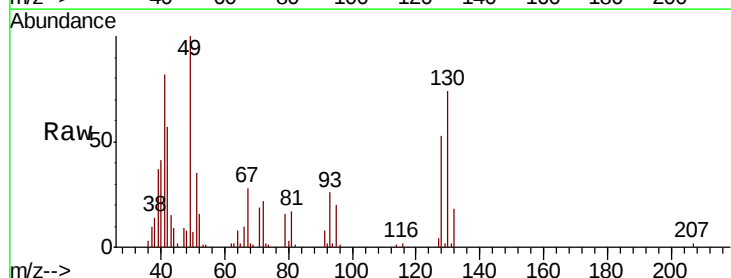
Manual Integrations
 APPROVED

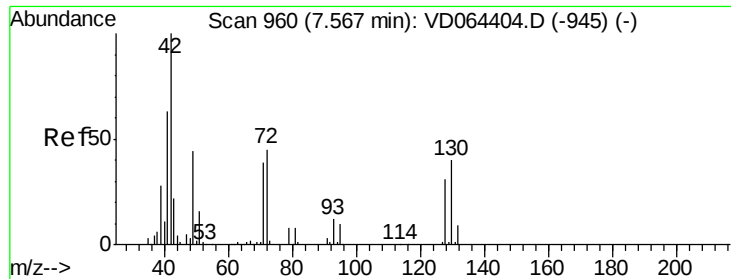
apatel
 12/10/2019 4:06:49 PM



#28
 Bromochloromethane
 Concen: 17.821 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.1	0.0	4.4		
130	79.6	67.4	101.0		





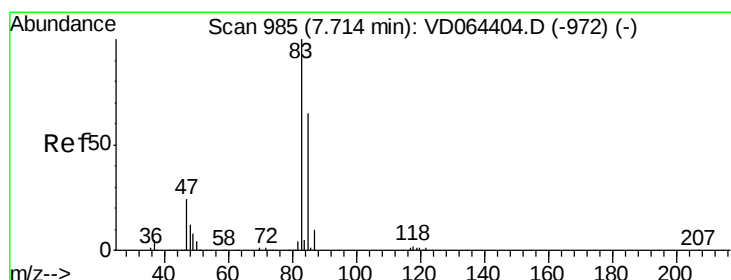
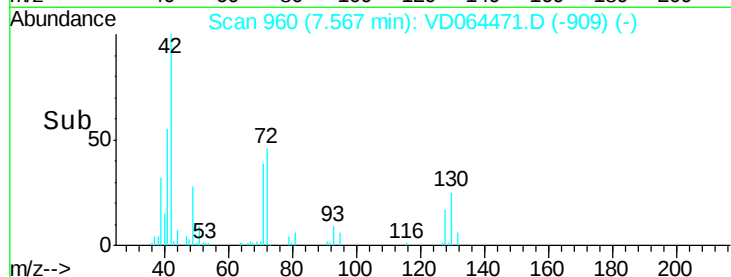
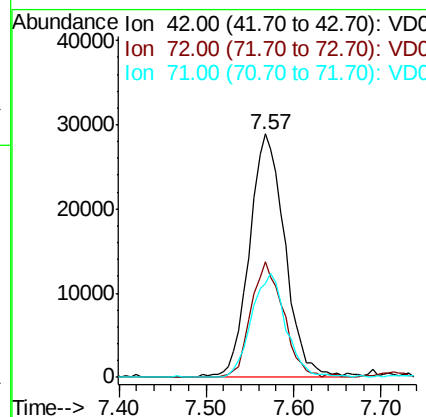
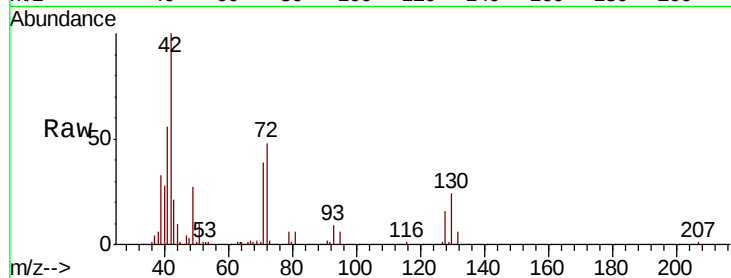
#29
Tetrahydrofuran
Concen: 115.990 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.1	35.8	53.8
71	41.1	32.7	49.1

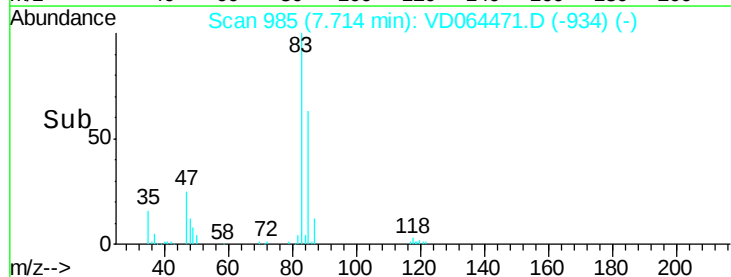
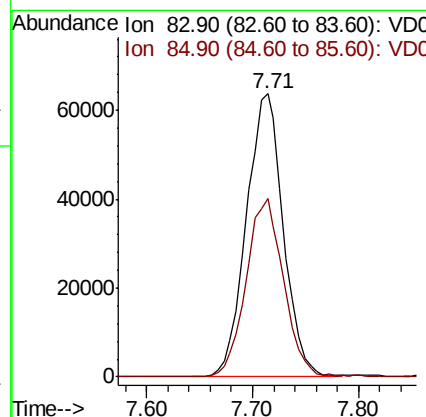
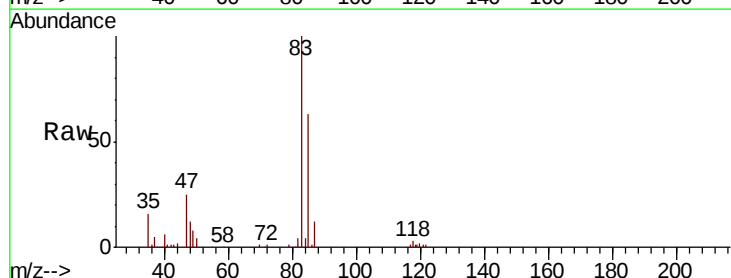
Manual Integrations
APPROVED

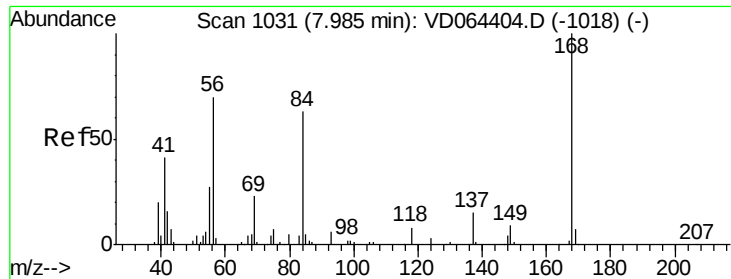
apatel
12/10/2019 4:06:49 PM



#30
Chloroform
Concen: 21.436 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.8	77.6





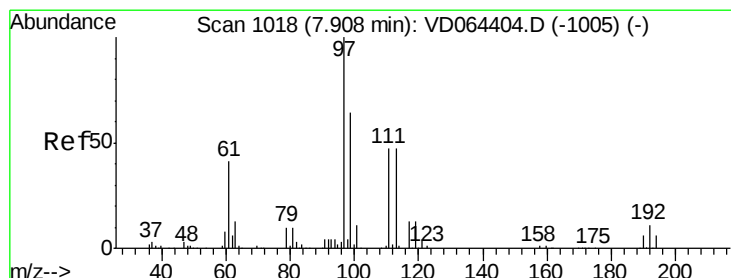
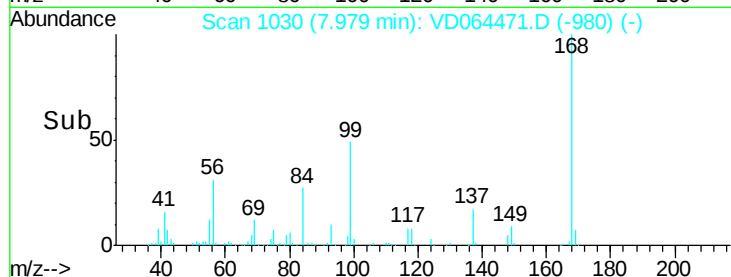
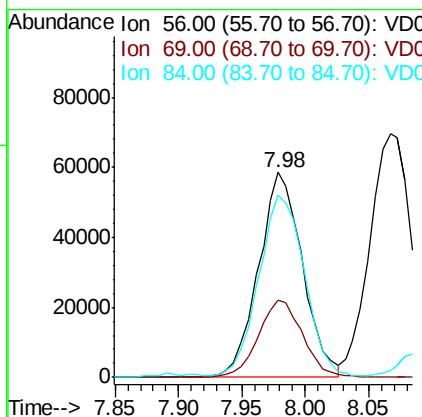
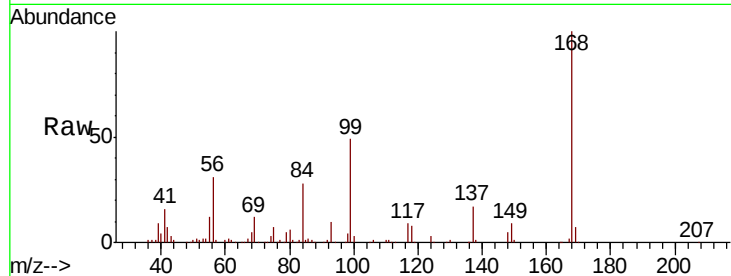
#31
Cyclohexane
Concen: 20.474 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	26.2	39.4
84	87.6	70.3	105.5

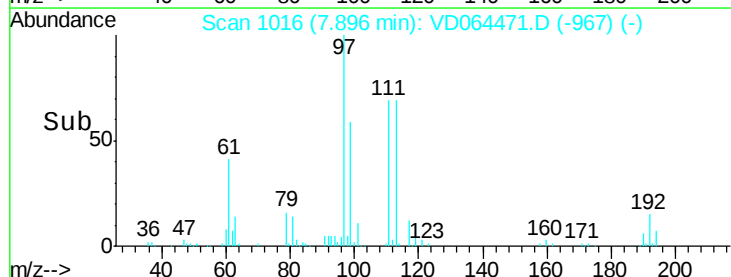
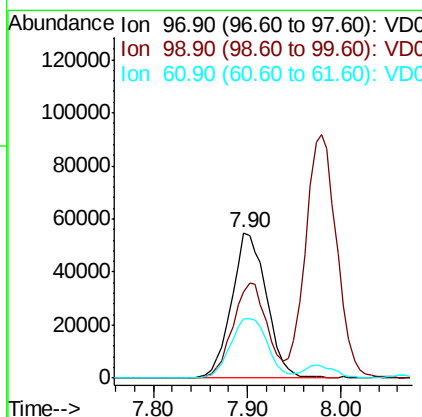
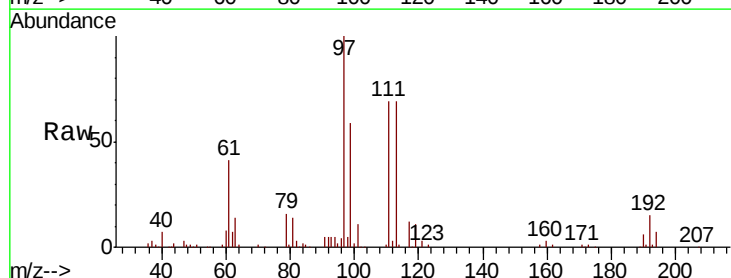
Manual Integrations
APPROVED

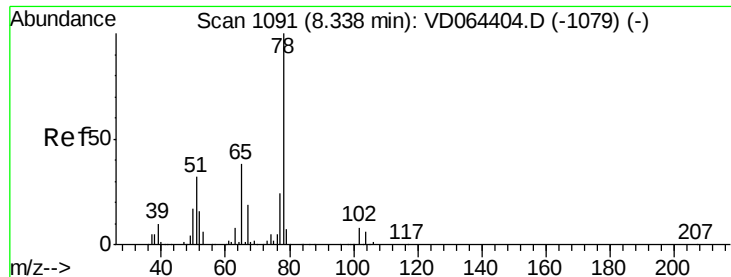
apatel
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#32
1,1,1-Trichloroethane
Concen: 21.000 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.2
61	43.8	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 53.806 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 65 Resp: 203397

Ion Ratio Lower Upper

65 100

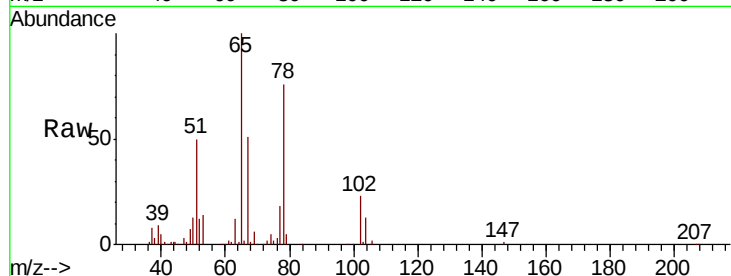
67 51.9 0.0 102.0

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

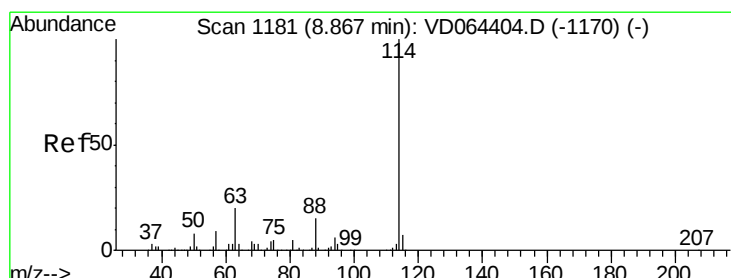
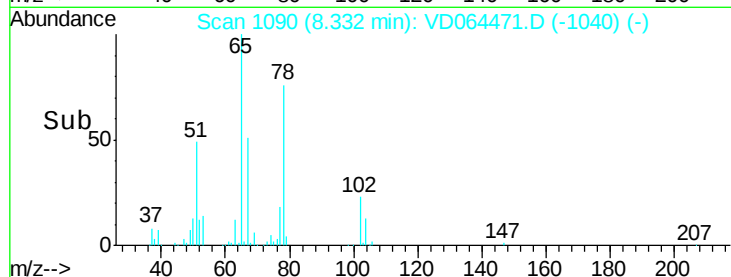
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

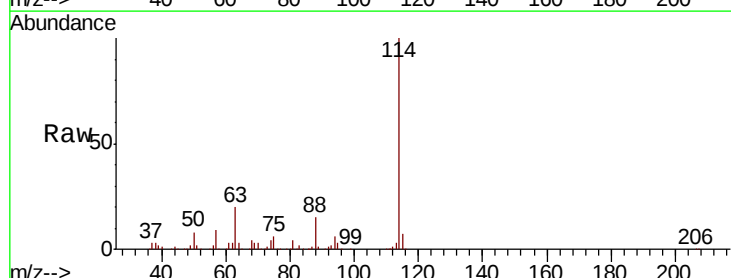
Tgt Ion: 114 Resp: 627325

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

88 14.8 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

400000

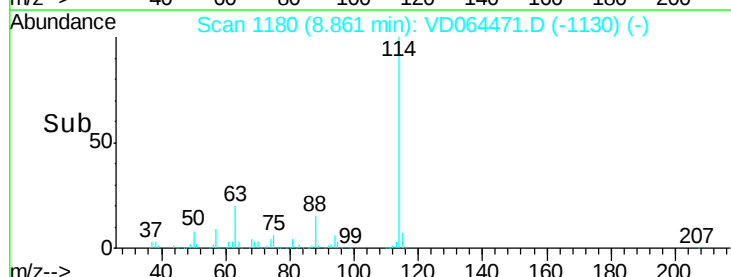
300000

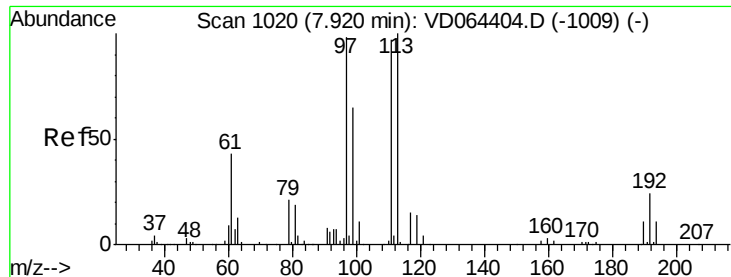
200000

100000

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Time-->





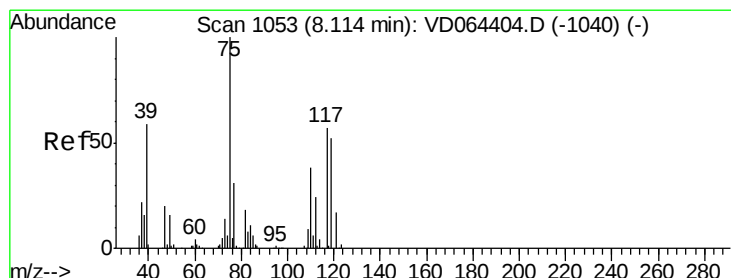
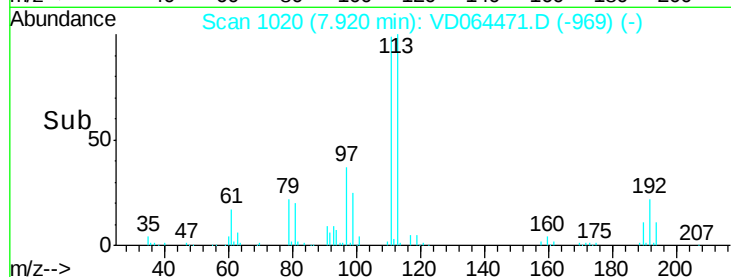
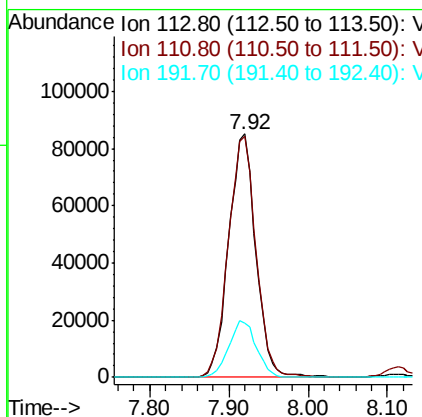
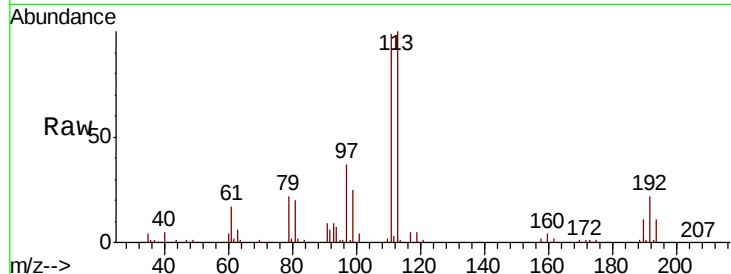
#35
Dibromofluoromethane
Concen: 50.681 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	200316		
111	101.1		79.4	119.2
192	23.7		18.6	28.0

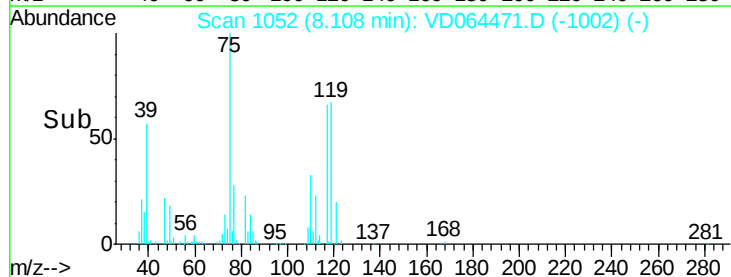
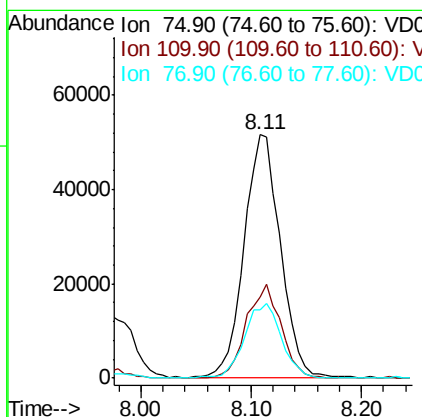
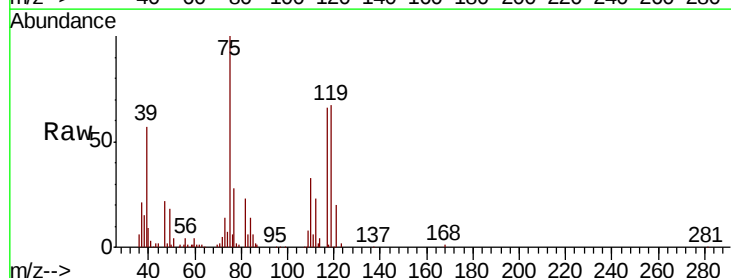
Manual Integrations
APPROVED

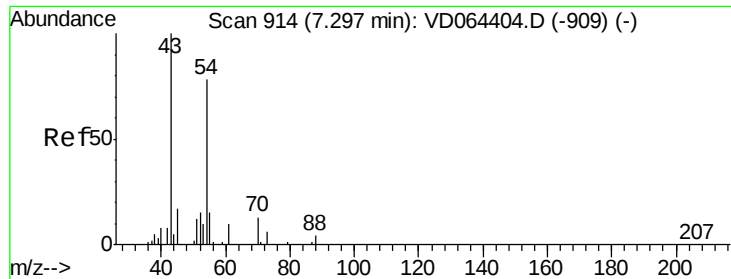
apatel
12/10/2019 4:06:49 PM



#36
1,1-Dichloropropene
Concen: 20.213 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	119934		
110	36.5		18.6	55.8
77	31.1		25.0	37.4





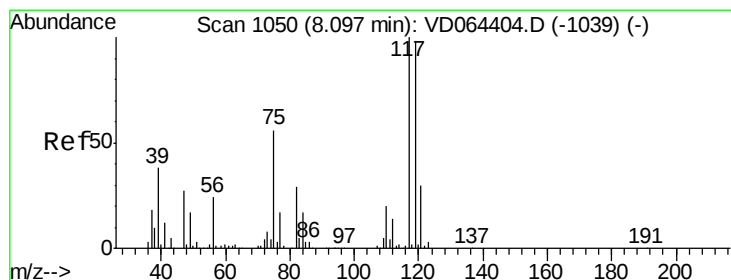
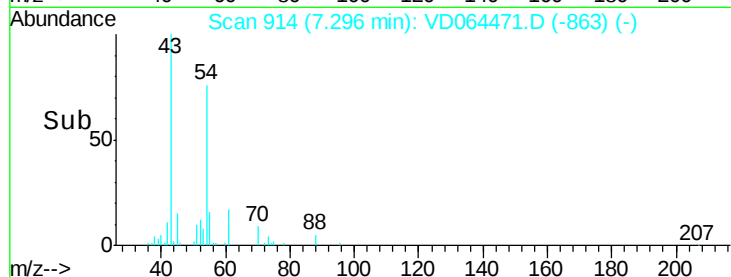
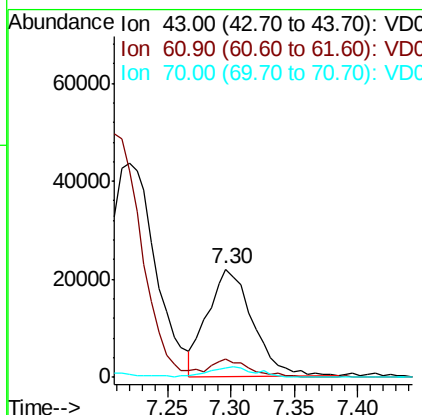
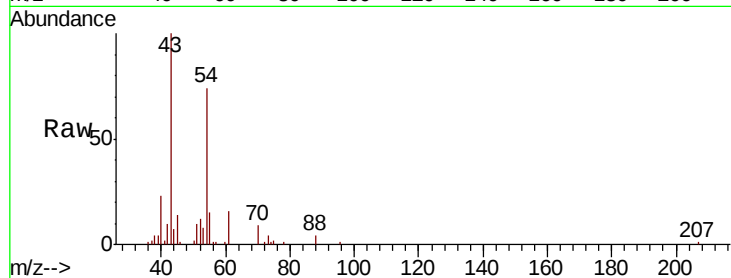
#37
Ethyl Acetate
Concen: 21.431 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.9	16.3
70	10.5	8.3	12.5

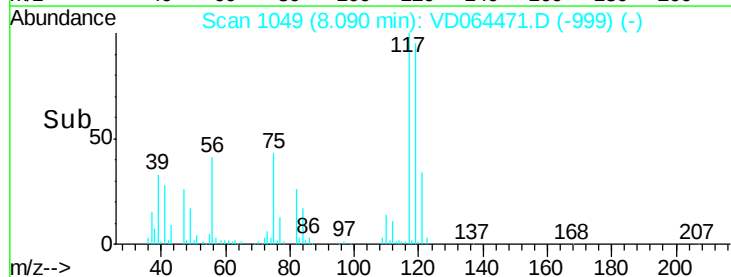
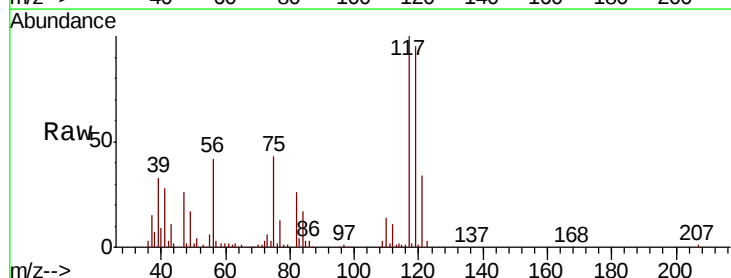
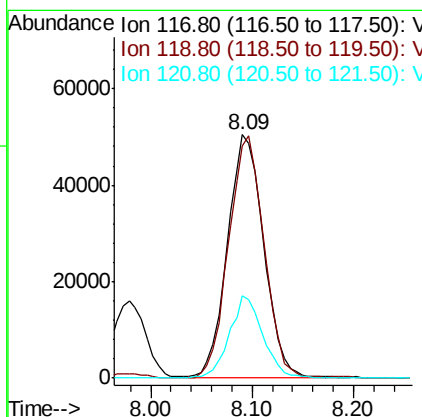
Manual Integrations
APPROVED

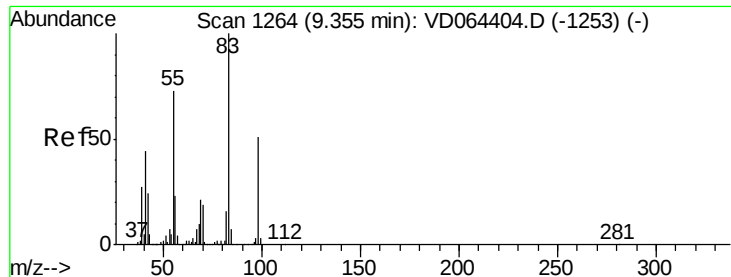
apatel
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#38
Carbon Tetrachloride
Concen: 20.067 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.8	118.2
121	33.9	24.2	36.2





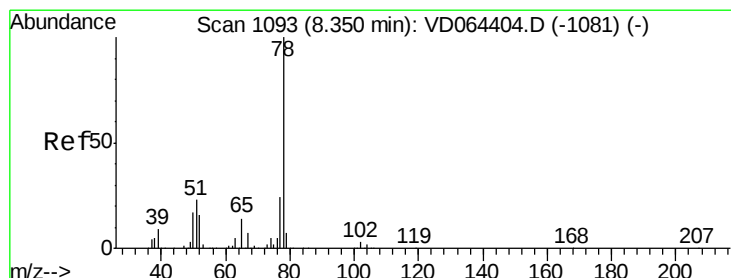
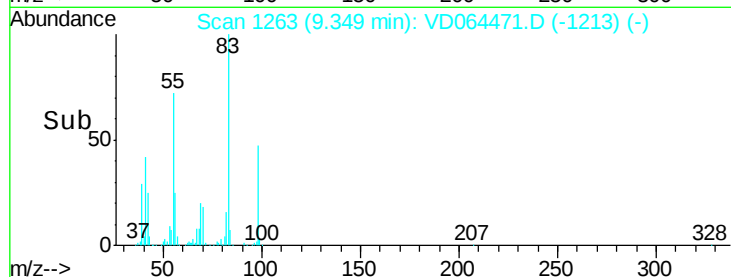
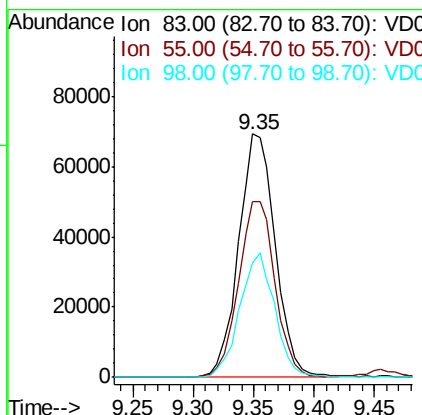
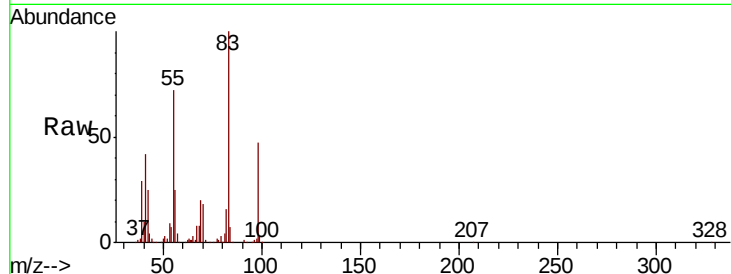
#39
Methvlcvclohexane
Concen: 19.929 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	83	Resp	146682
Ion	Ratio	Lower	Upper
83	100		
55	72.3	58.6	87.8
98	46.8	40.9	61.3

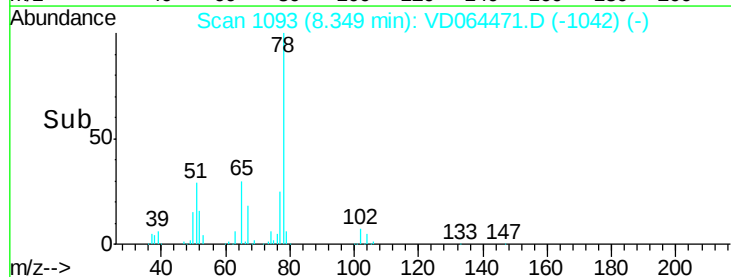
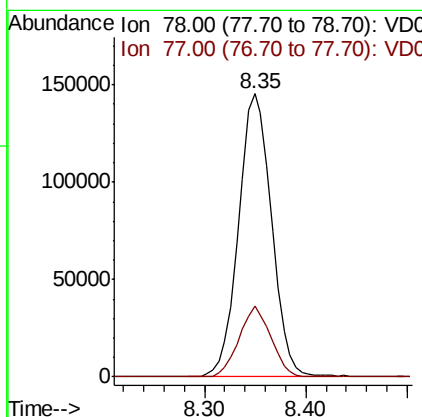
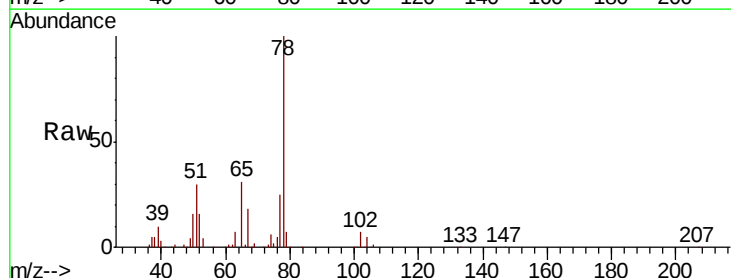
Manual Integrations
APPROVED

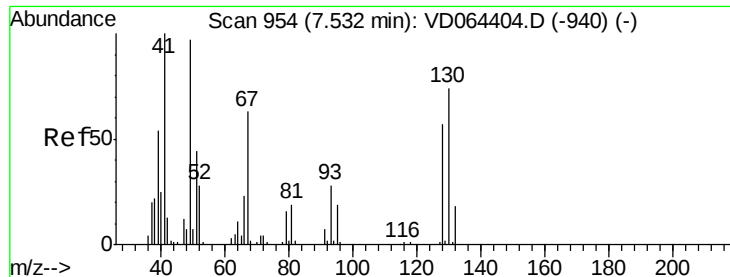
apatel
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#40
Benzene
Concen: 19.993 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	78	Resp	329482
Ion	Ratio	Lower	Upper
78	100		
77	25.1	19.6	29.4





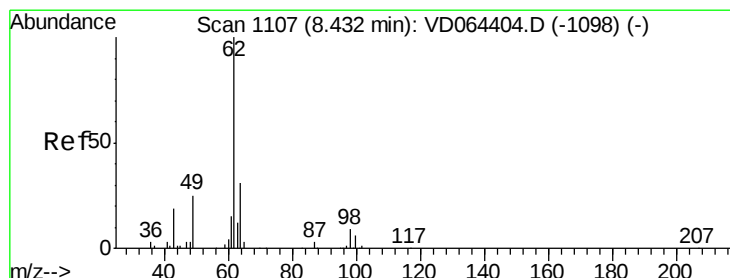
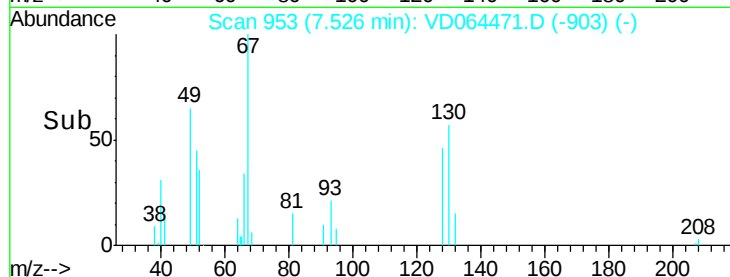
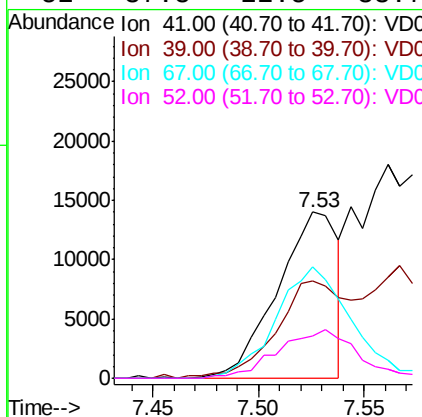
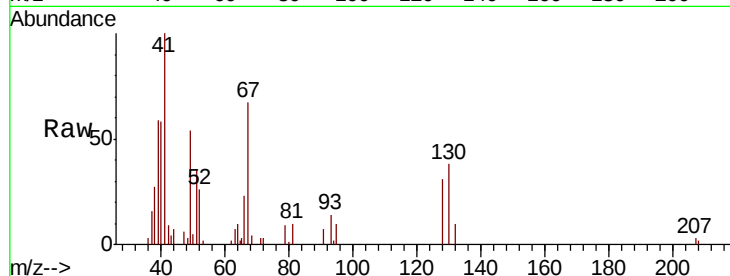
#41
Methacrylonitrile
Concen: 19.364 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	67.5	44.6	67.0#
67	82.5	50.9	76.3#
52	37.8	22.5	33.7#

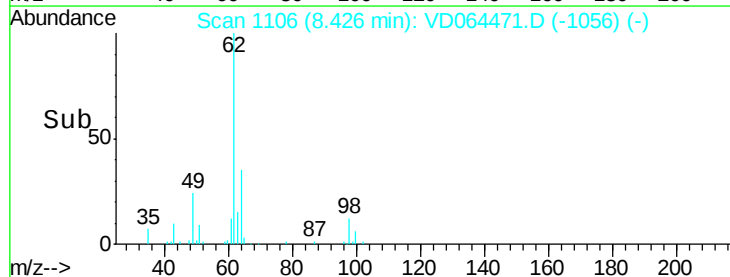
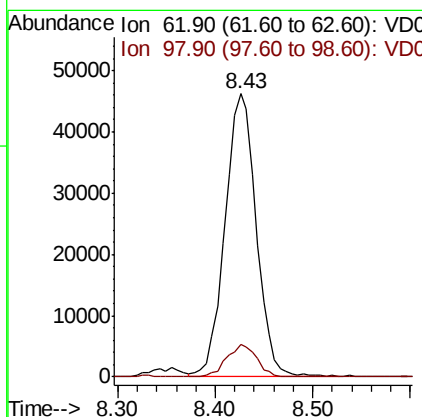
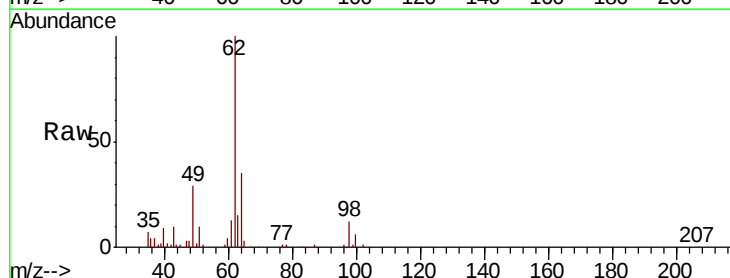
Manual Integrations
APPROVED

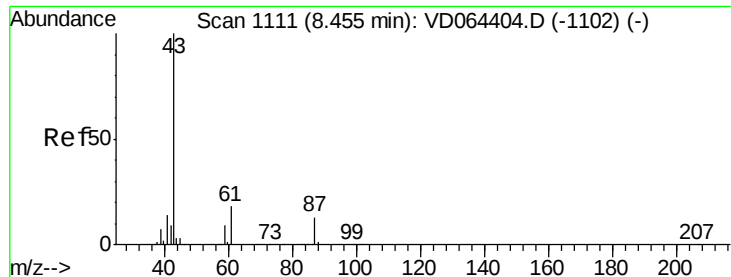
apatel
12/10/2019 4:06:49 PM



#42
1,2-Dichloroethane
Concen: 21.359 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.6





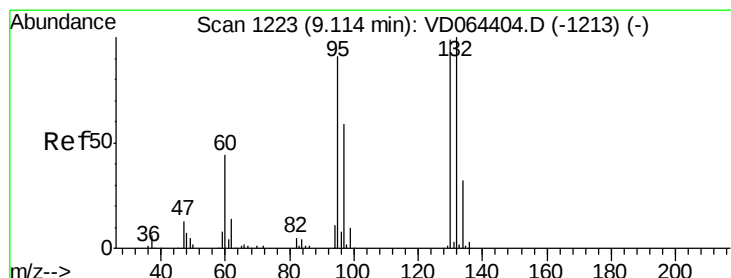
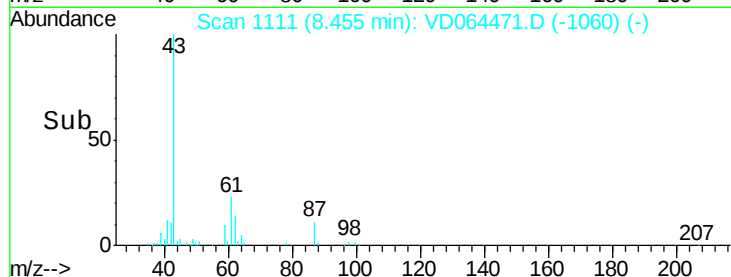
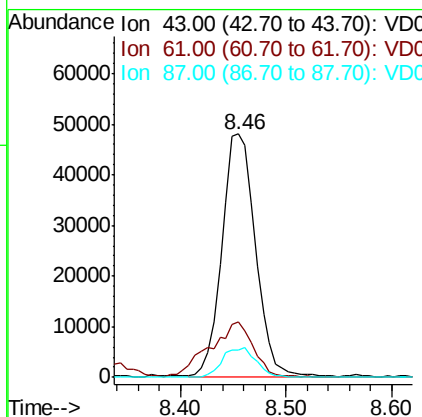
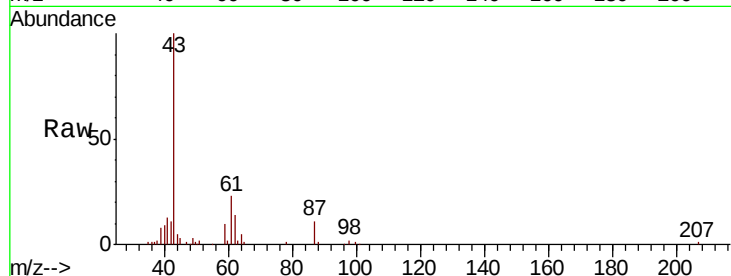
#43
Isopropyl Acetate
Concen: 21.165 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	24.0	36.0
87	12.4	10.6	15.8

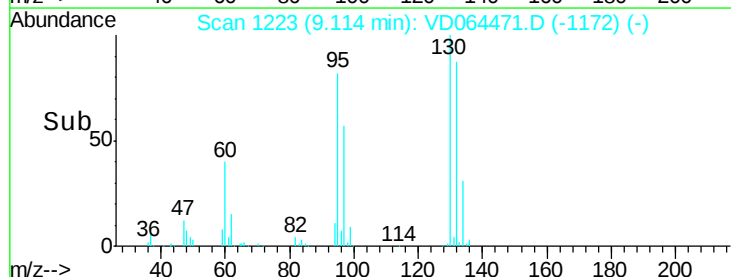
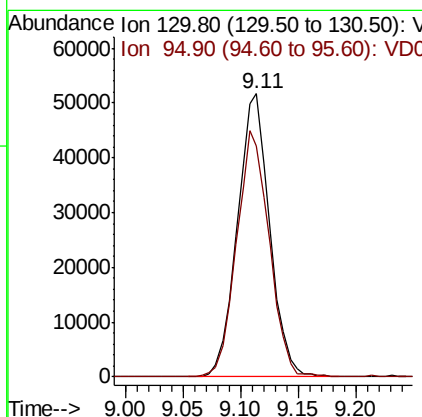
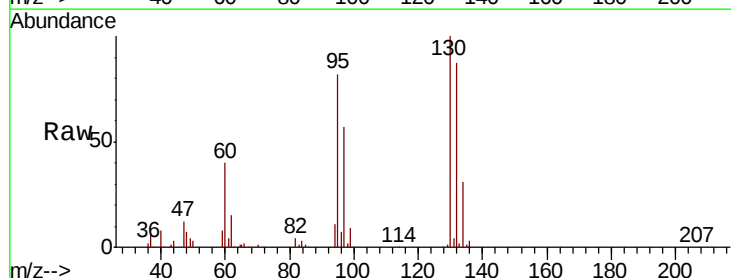
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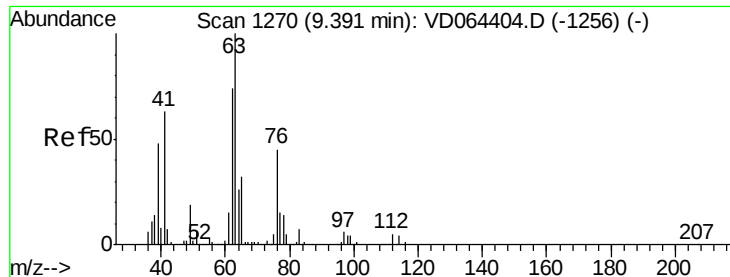
apatel
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#44
Trichloroethene
Concen: 20.176 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.6	0.0	184.6





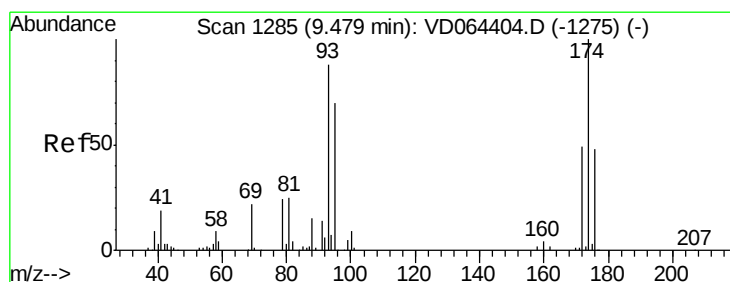
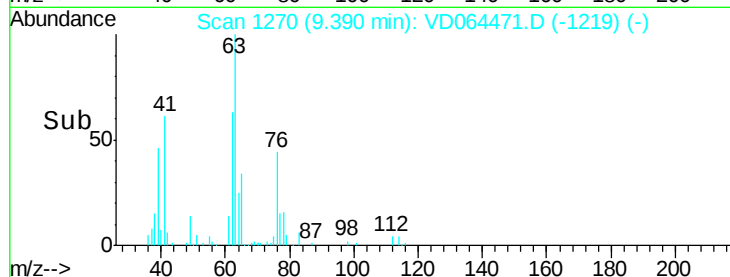
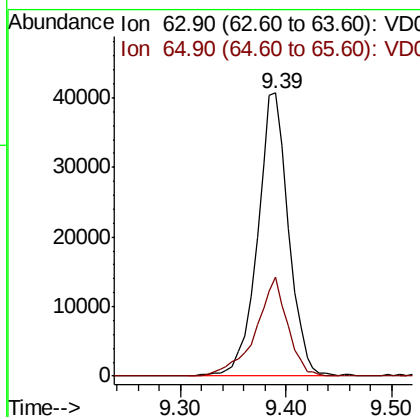
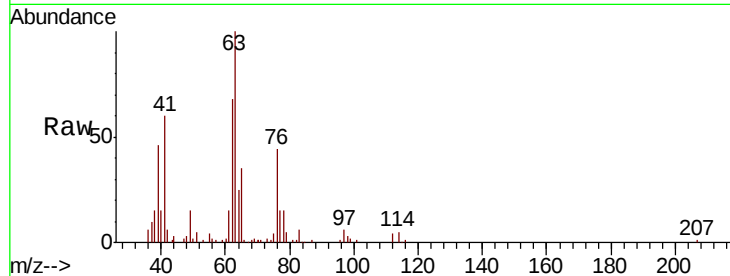
#45
 1,2-Dichloropropane
 Concen: 20.987 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion: 63 Resp: 82718
 Ion Ratio Lower Upper
 63 100
 65 34.9 25.4 38.0

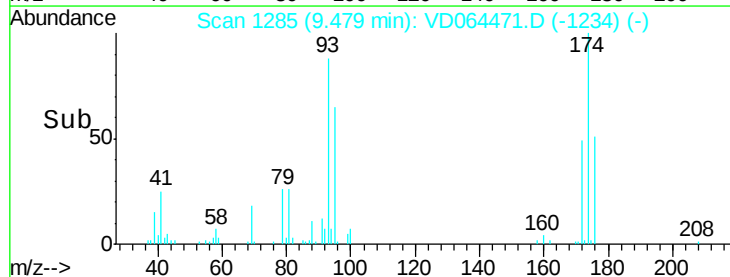
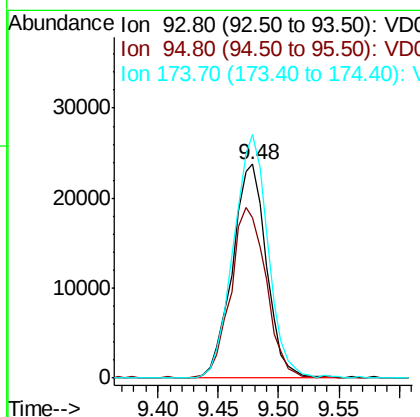
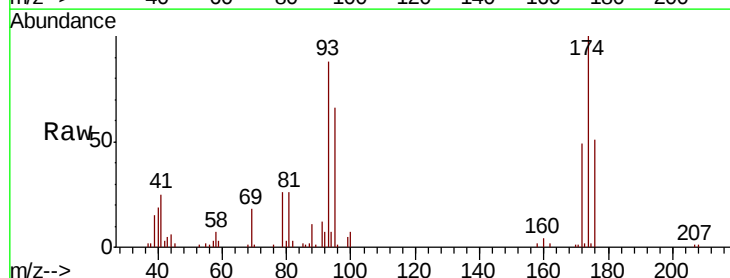
Manual Integrations
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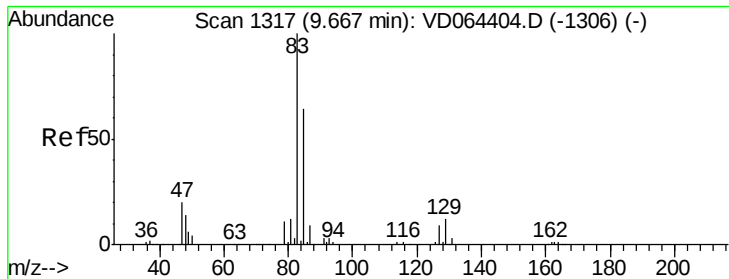
apatel
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#46
 Dibromomethane
 Concen: 21.166 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Tgt Ion: 93 Resp: 47083
 Ion Ratio Lower Upper
 93 100
 95 82.3 66.7 100.1
 174 114.2 92.3 138.5





#47

Bromodichloromethane

Concen: 20.945 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

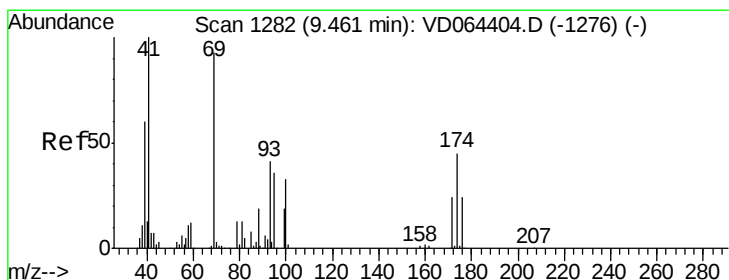
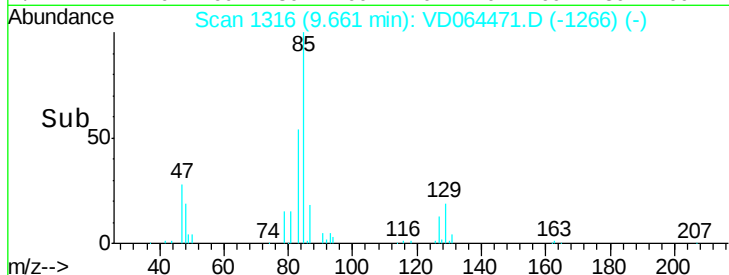
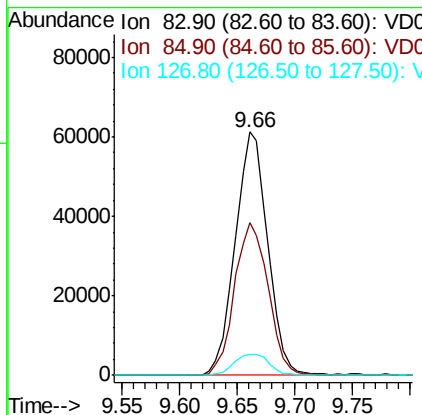
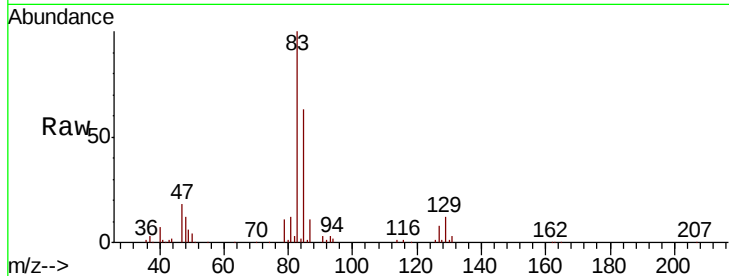
ClientSampleId :

VD1209SBS01

Tot Ion:	83	Resp:	119718
Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.1	76.7
127	8.4	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.281 ug/l

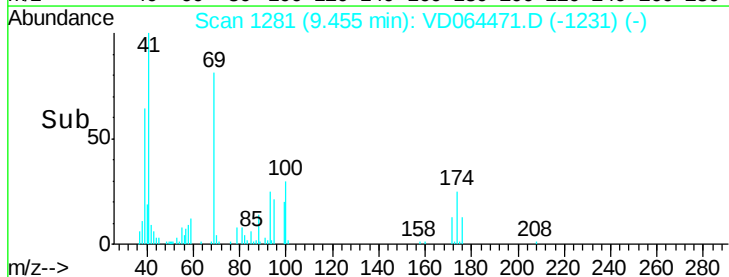
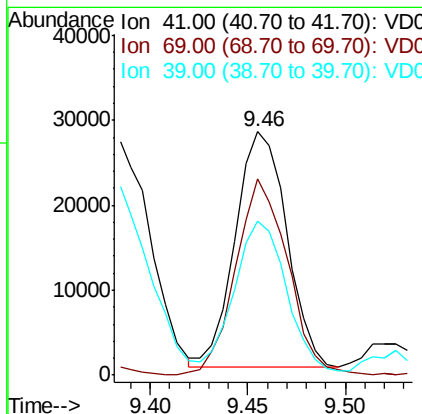
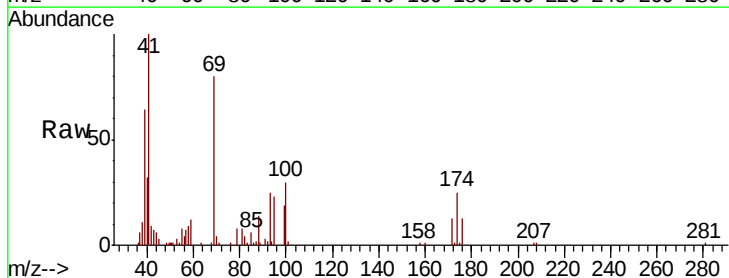
RT: 9.46 min Scan# 1281

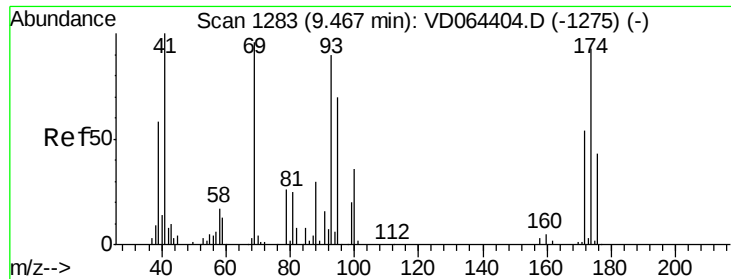
Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Tgt Ion:	41	Resp:	50473
Ion	Ratio	Lower	Upper
41	100		
69	84.6	72.0	108.0
39	63.6	55.2	82.8





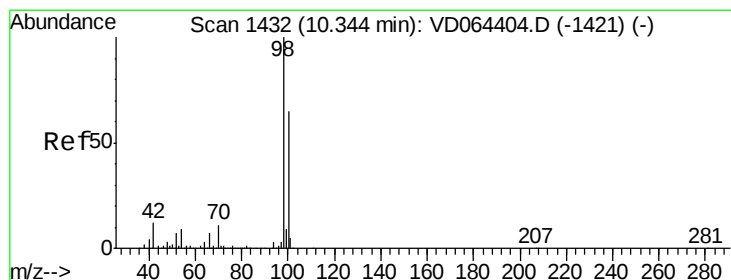
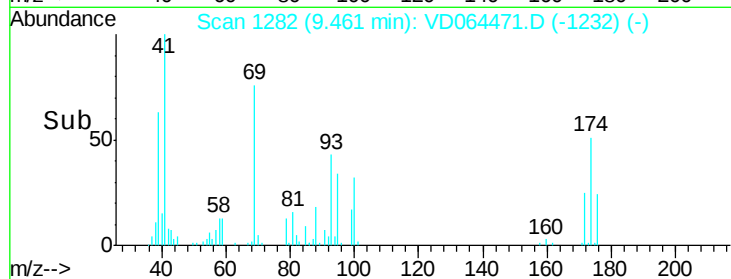
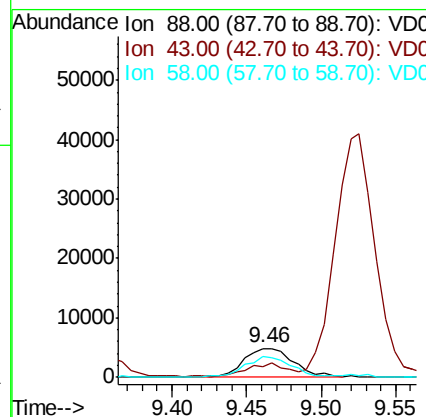
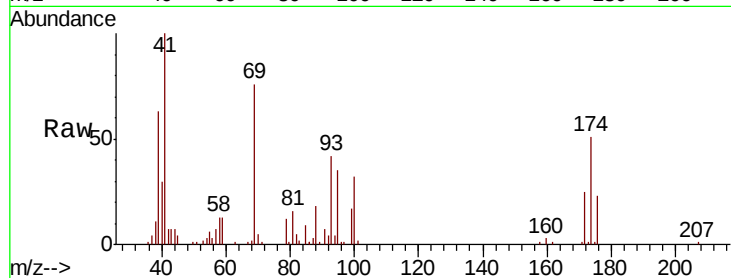
#49
1,4-Dioxane
Concen: 412.387 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	88	Resp	11328
Ion Ratio	Lower	Upper	
88	100		
43	41.2	26.7	40.1#
58	67.7	52.3	78.5

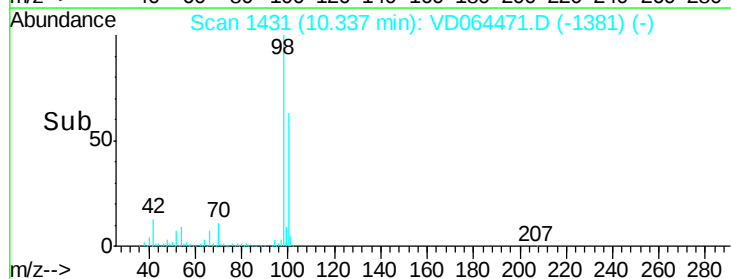
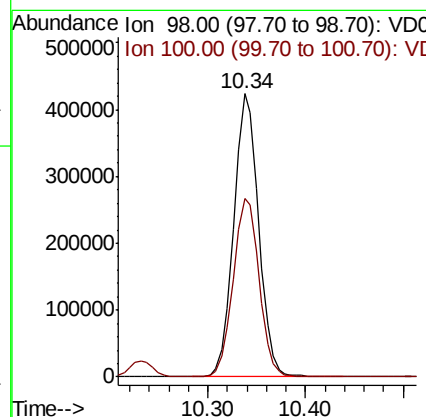
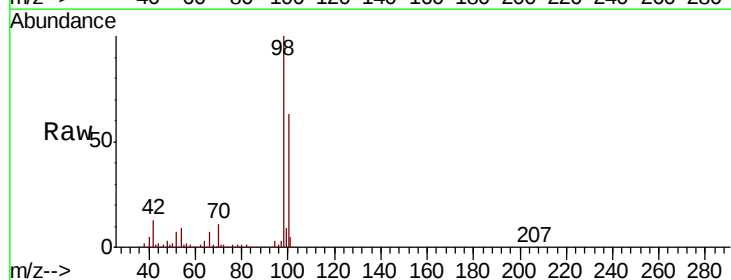
Manual Integrations
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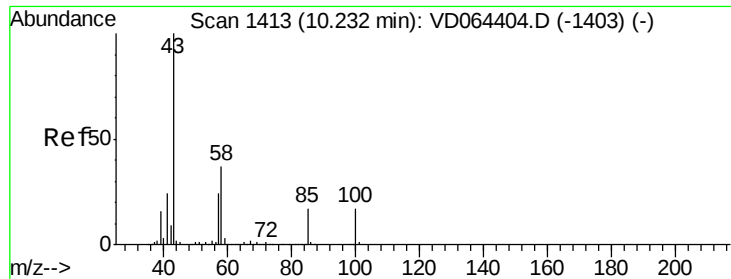
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#50
Toluene-d8
Concen: 50.195 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	98	Resp	747323
Ion Ratio	Lower	Upper	
98	100		
100	65.7	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 108.019 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 43 Resp: 264582

Ion Ratio Lower Upper

43 100

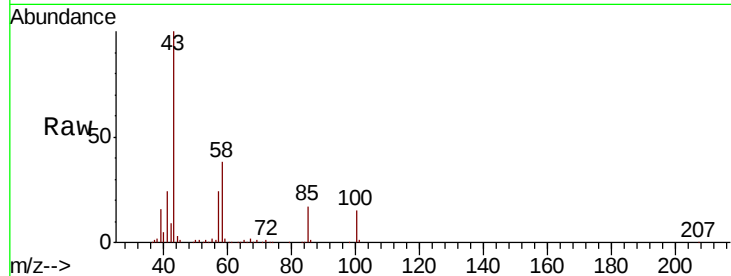
58 38.0 30.6 46.0

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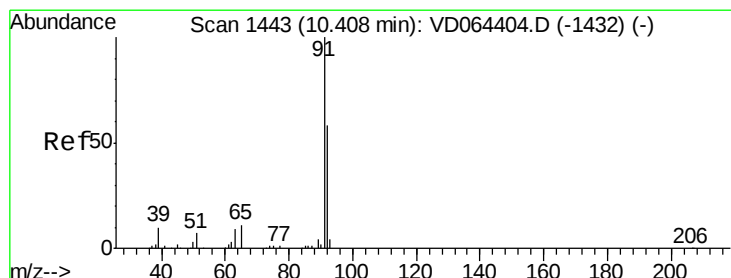
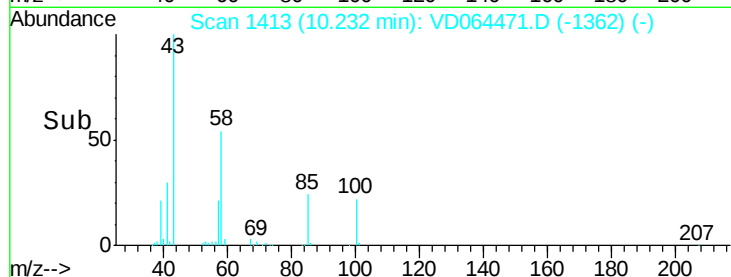
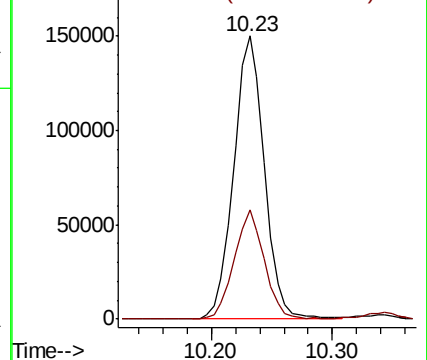
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.941 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064471.D

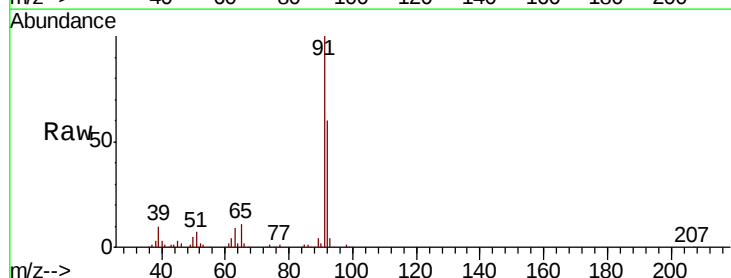
Acq: 09 Dec 2019 13:08

Tgt Ion: 92 Resp: 214171

Ion Ratio Lower Upper

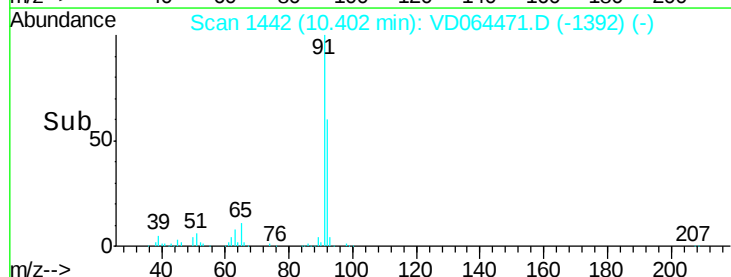
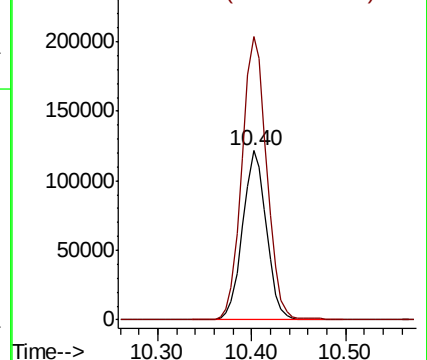
92 100

91 174.1 137.8 206.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





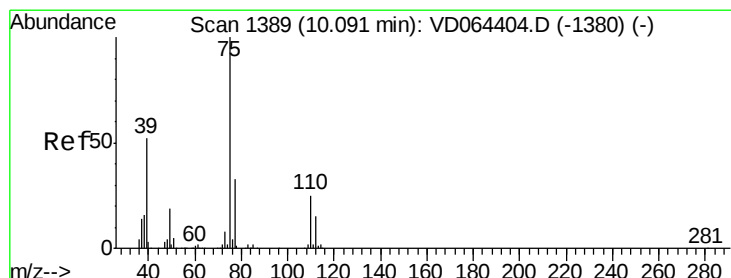
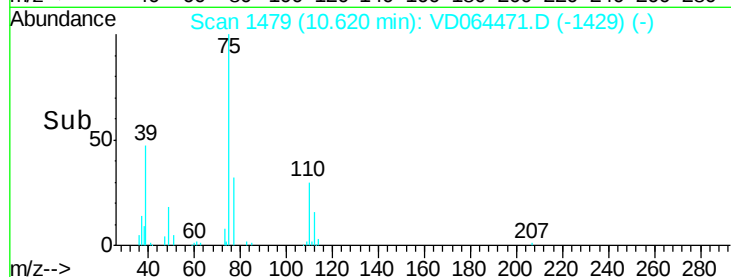
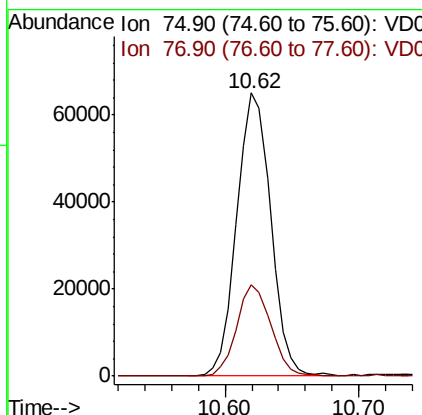
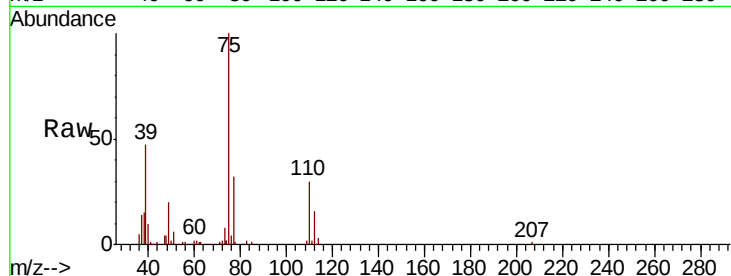
#53
t-1,3-Dichloropropene
Concen: 21.108 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4

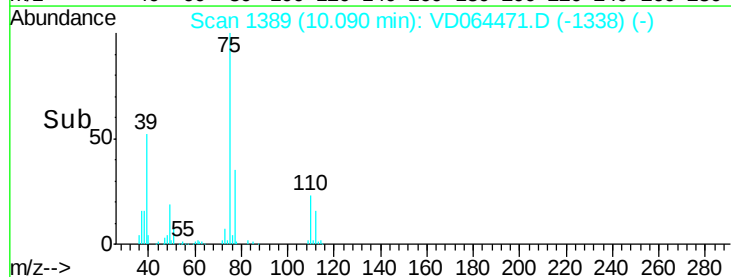
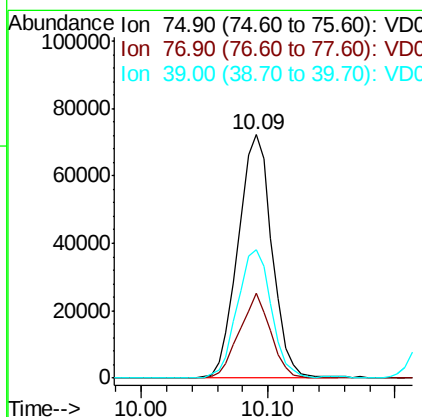
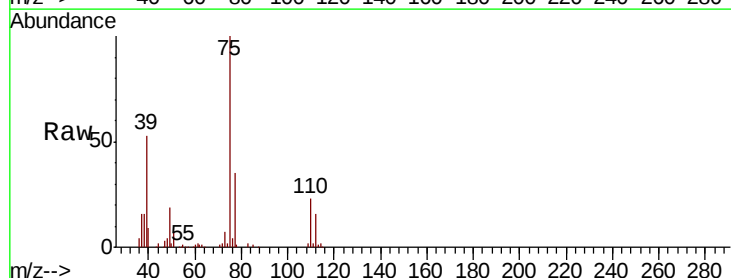
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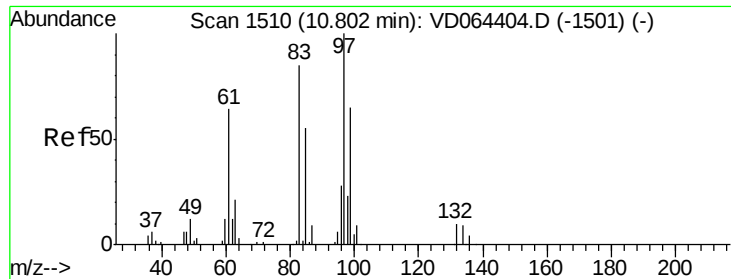
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#54
cis-1,3-Dichloropropene
Concen: 20.747 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.1	26.1	39.1
39	52.3	41.5	62.3





#55

1,1,2-Trichloroethane

Concen: 21.557 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 97 Resp: 65662

Ion Ratio Lower Upper

97 100

83 75.1 67.8 101.8

85 52.6 43.7 65.5

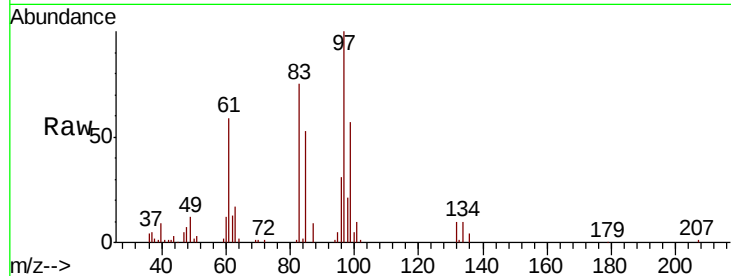
99 56.8 51.7 77.5

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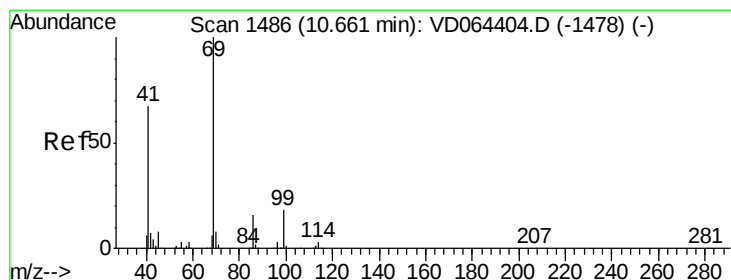
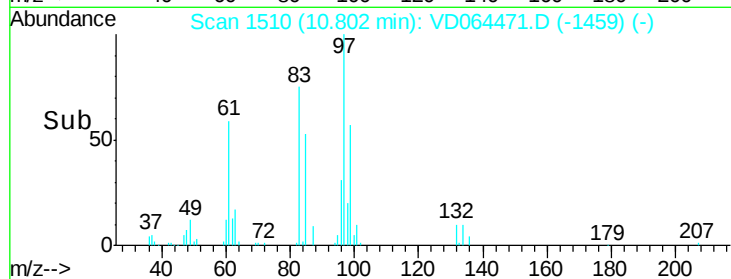
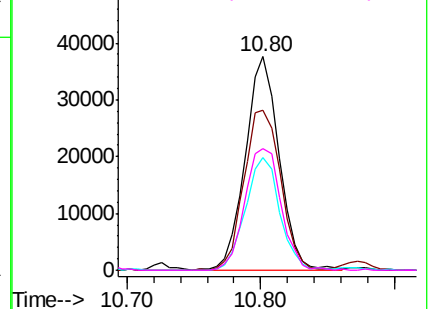


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 20.920 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

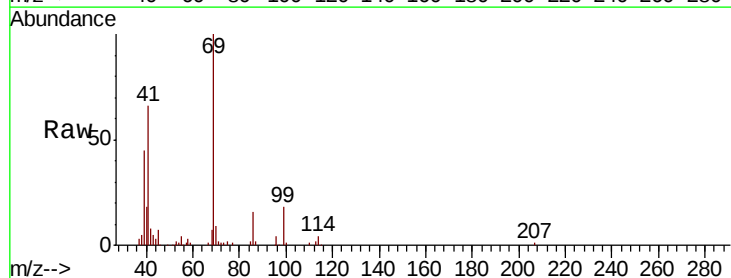
Tgt Ion: 69 Resp: 81272

Ion Ratio Lower Upper

69 100

41 67.5 55.0 82.4

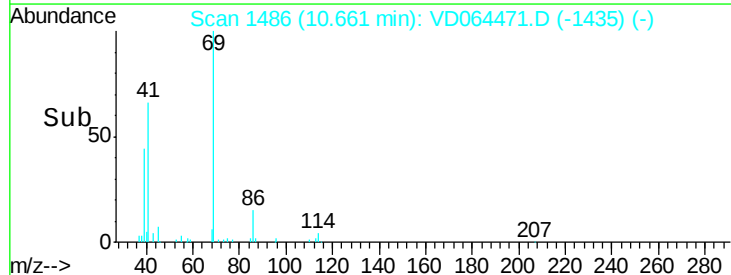
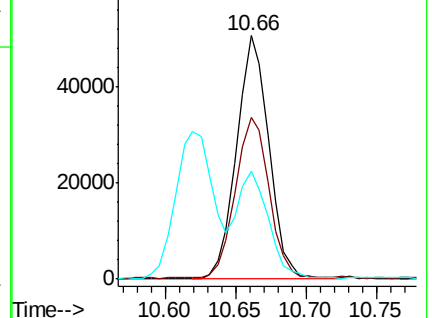
39 42.8 33.0 49.6

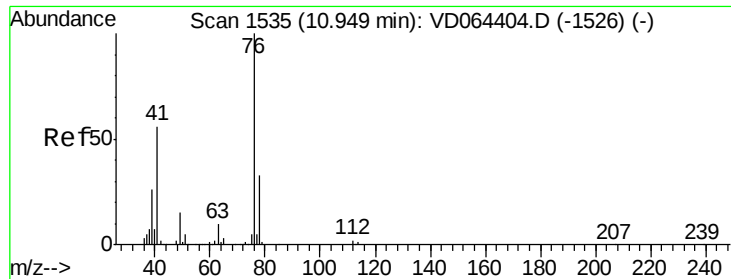


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





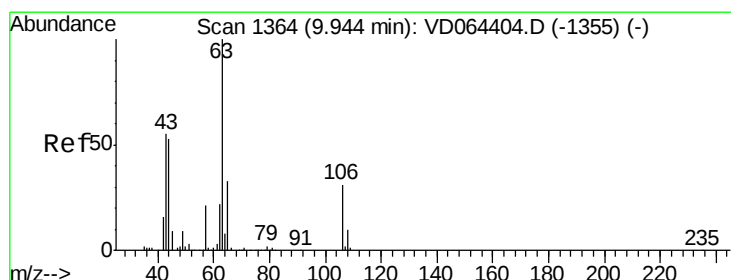
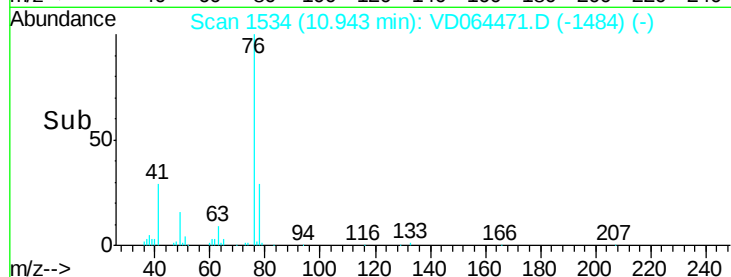
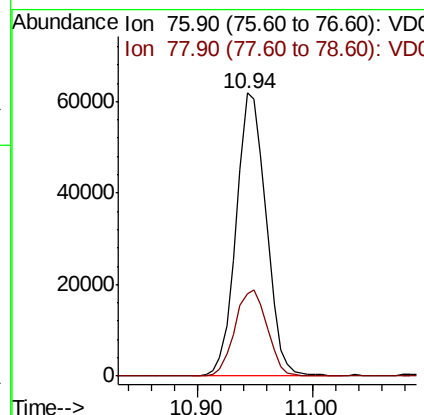
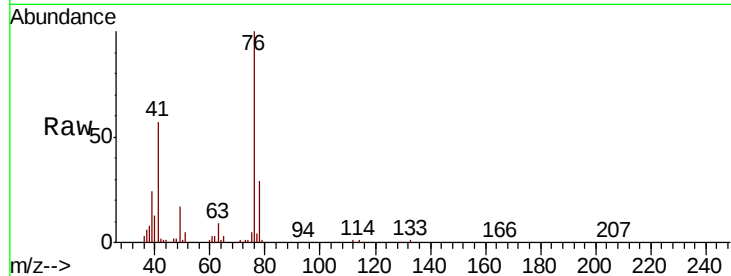
#57
 1,3-Dichloropropane
 Concen: 21.501 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion: 76 Resp: 111486
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.0 39.0

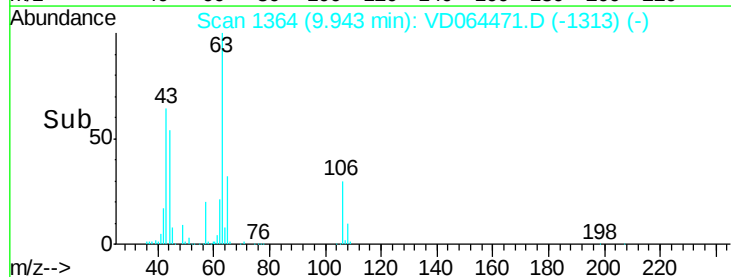
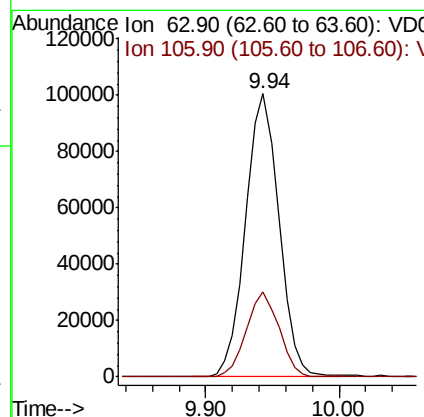
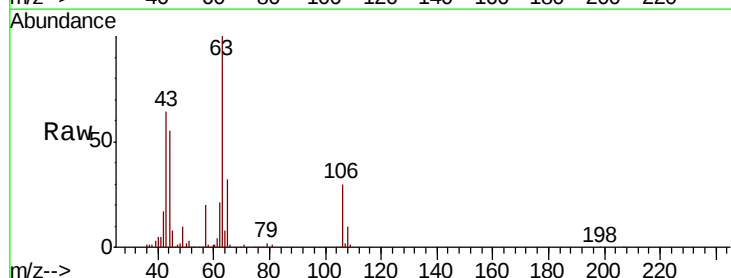
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#58
 2-Chloroethyl Vinyl ether
 Concen: 112.488 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Tgt Ion: 63 Resp: 174210
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.2 36.4





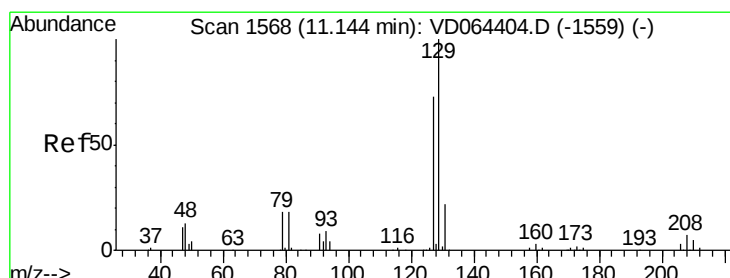
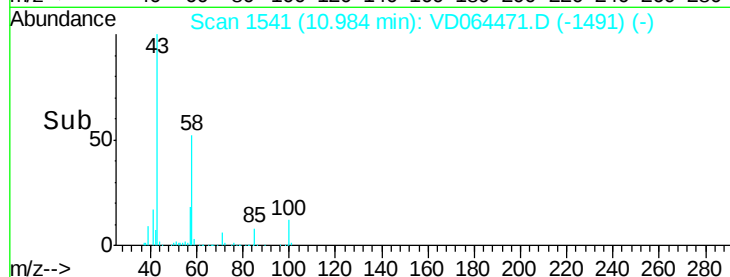
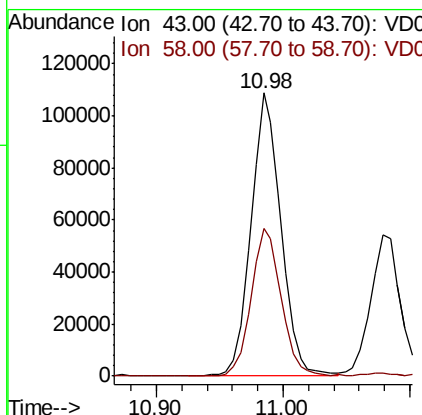
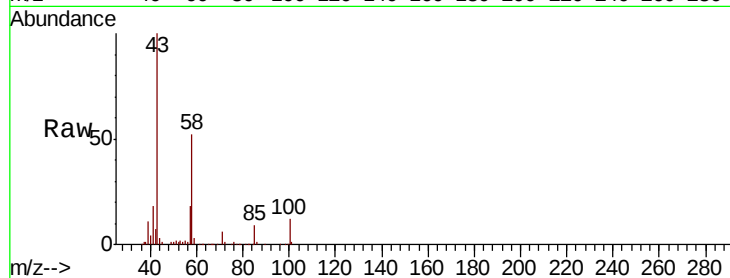
#59
2-Hexanone
Concen: 105.117 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.3	26.3	78.8

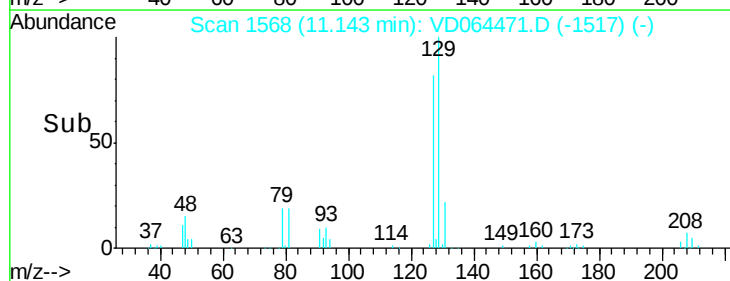
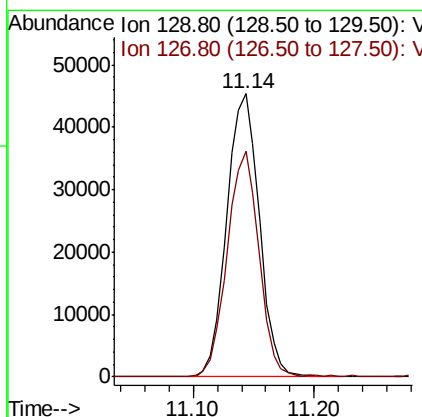
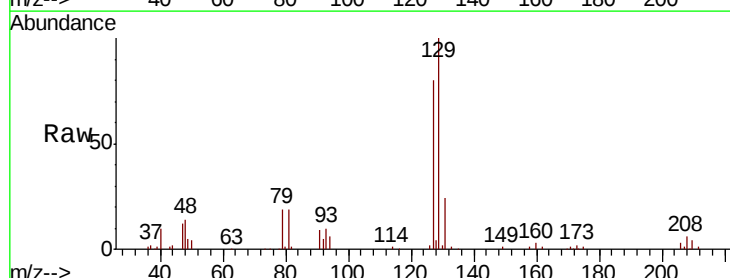
Manual Integrations
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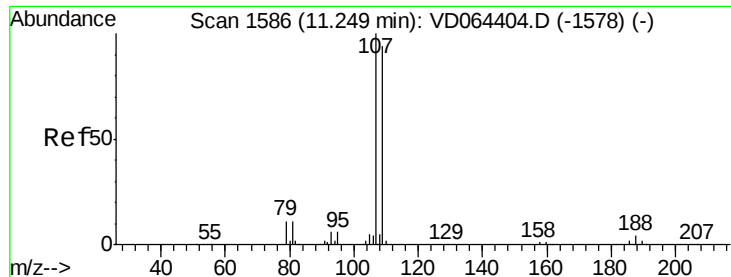
apatel
12/10/2019 4:06:49 PM



#60
Dibromochloromethane
Concen: 20.636 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.1	114.3





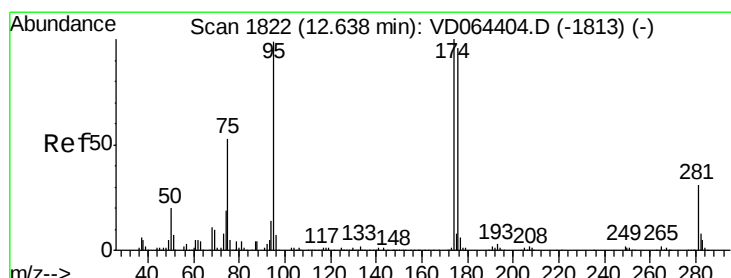
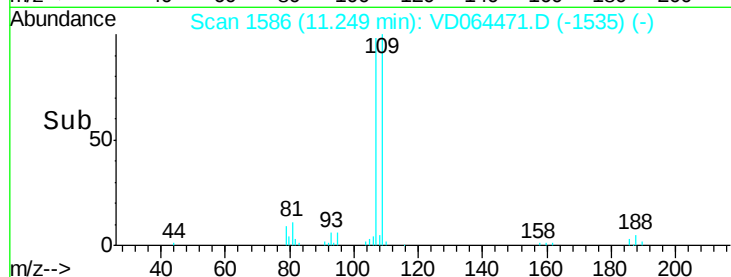
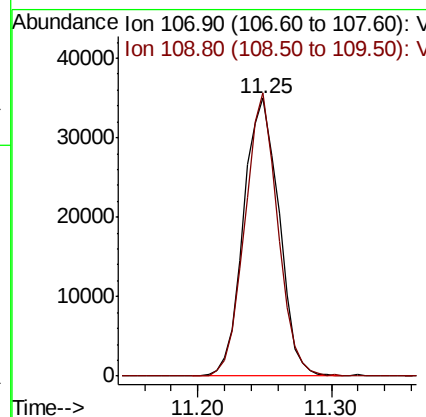
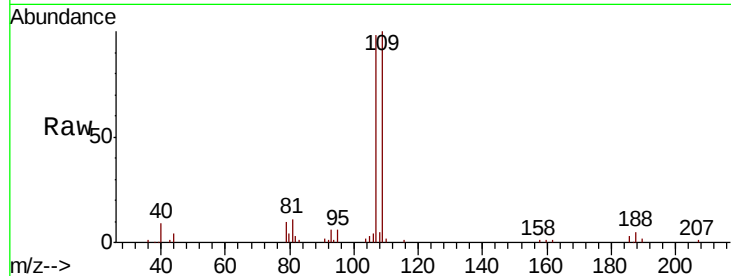
#61
1,2-Dibromoethane
Concen: 21.060 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion: 107 Resp: 64049
Ion Ratio Lower Upper
107 100
109 94.4 76.2 114.2

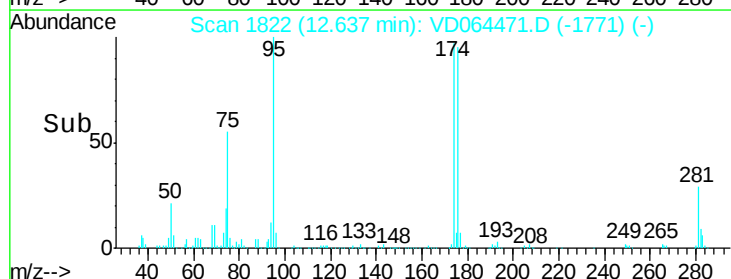
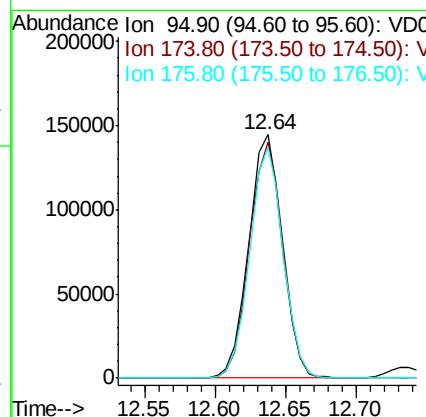
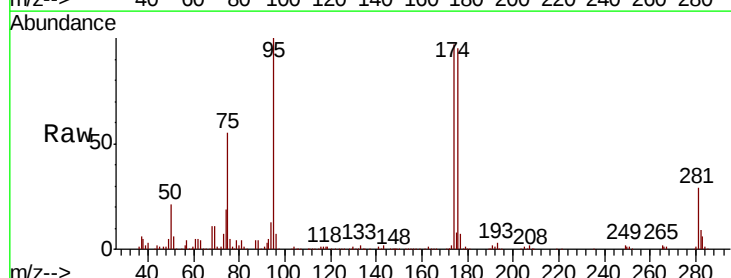
Manual Integrations
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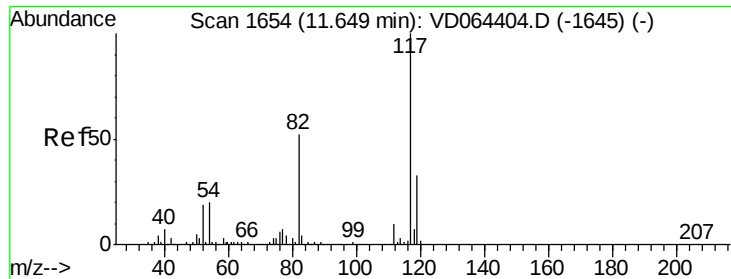
apatel
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#62
4-Bromofluorobenzene
Concen: 50.568 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion: 95 Resp: 241955
Ion Ratio Lower Upper
95 100
174 97.0 0.0 197.2
176 94.0 0.0 189.6





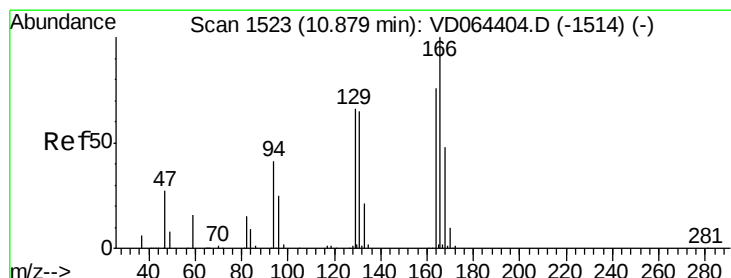
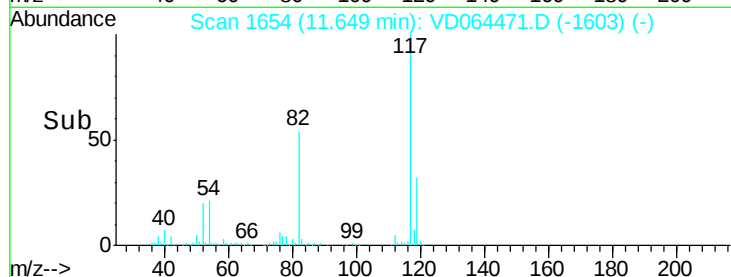
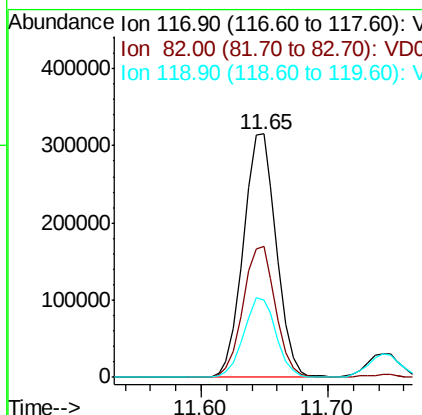
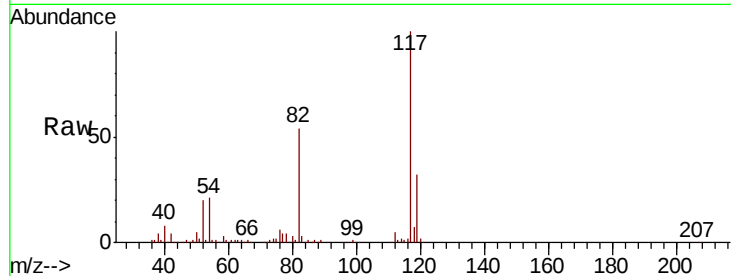
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	569681		
82	53.9		41.4	62.2
119	32.0		26.2	39.2

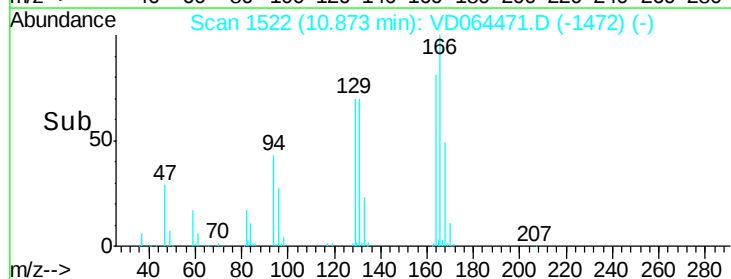
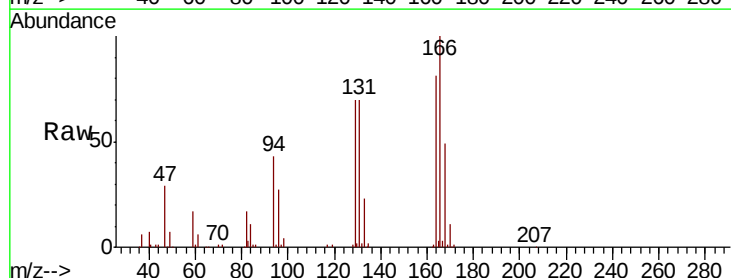
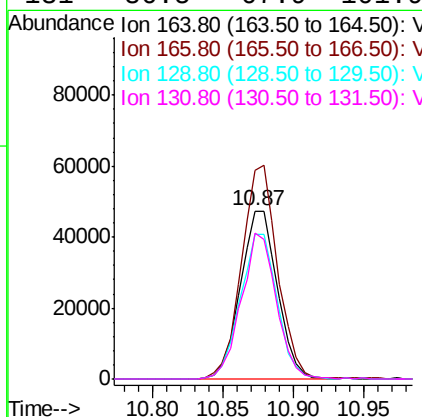
Manual Integrations
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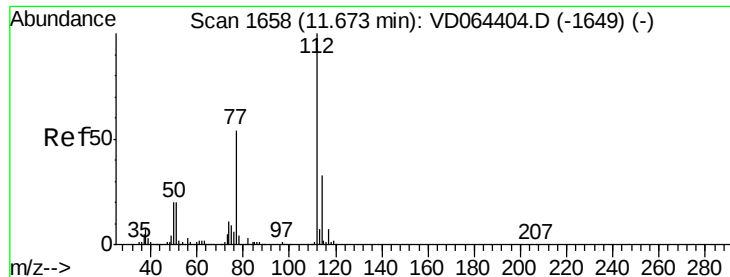
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#64
Tetrachloroethene
Concen: 20.058 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87137		
166	124.0		104.8	157.2
129	86.3		68.7	103.1
131	86.5		67.9	101.9





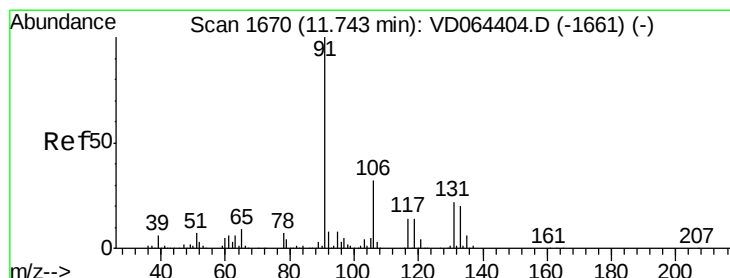
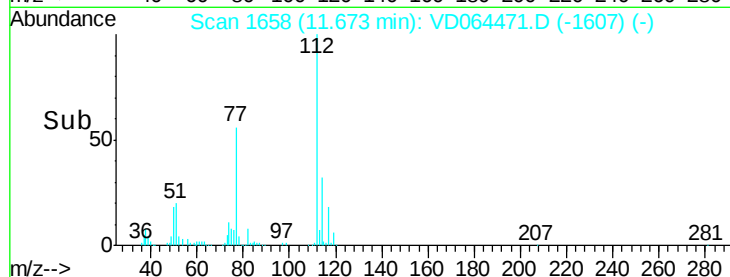
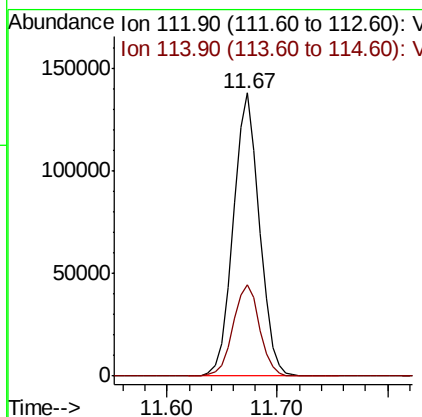
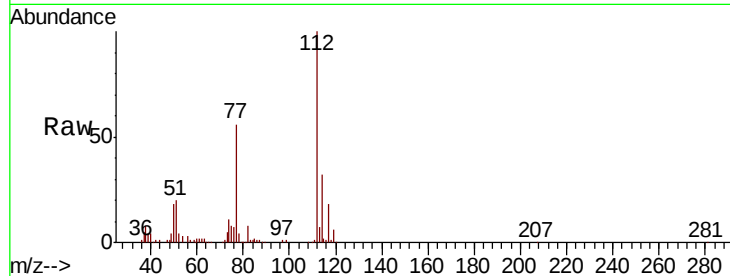
#65
Chlorobenzene
Concen: 19.377 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	26.5	39.7

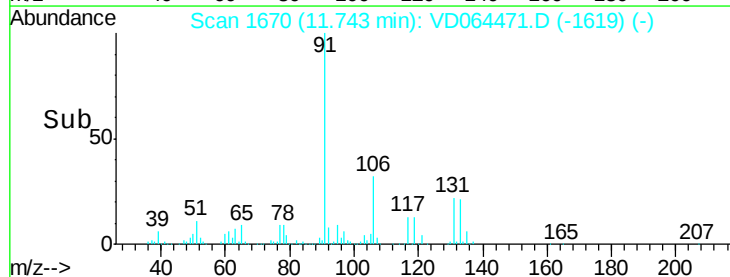
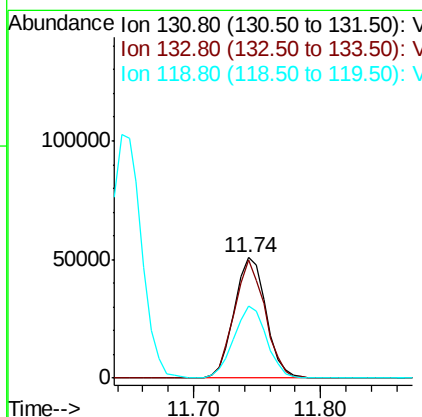
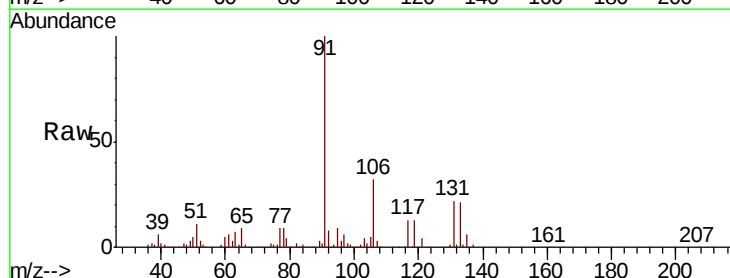
Manual Integrations
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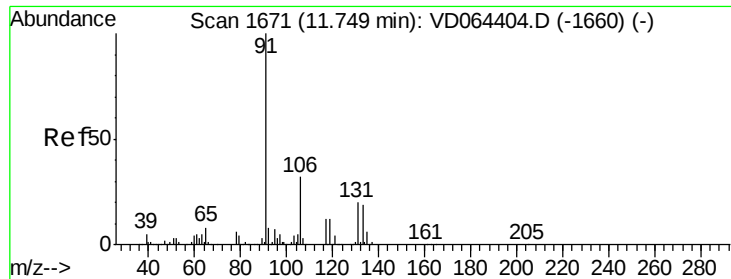
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.215 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	48.3	144.9
119	61.4	31.9	95.9





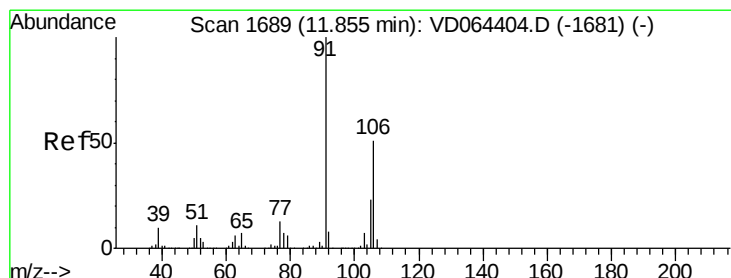
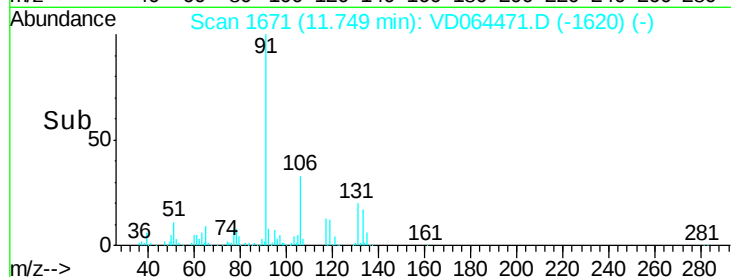
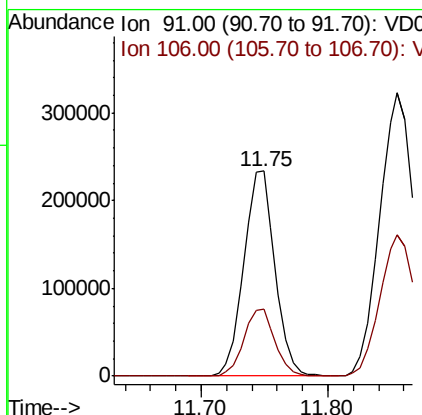
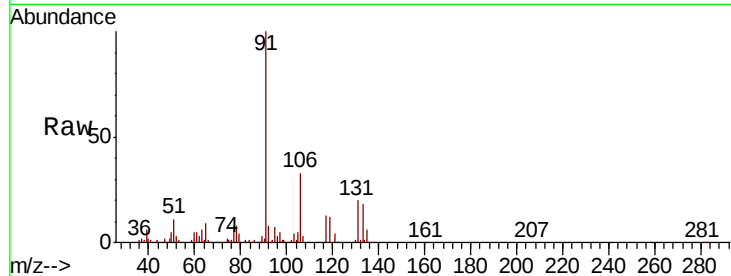
#67
Ethyl Benzene
Concen: 18.947 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion: 91 Resp: 400545
Ion Ratio Lower Upper
91 100
106 32.7 25.8 38.8

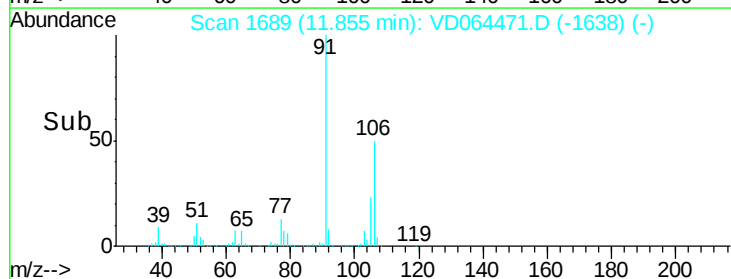
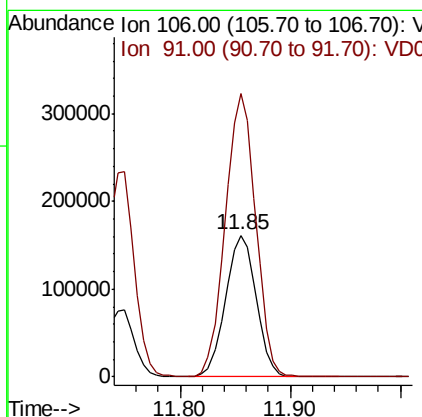
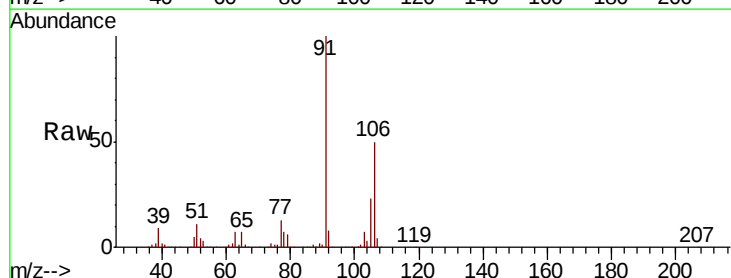
Manual Integrations
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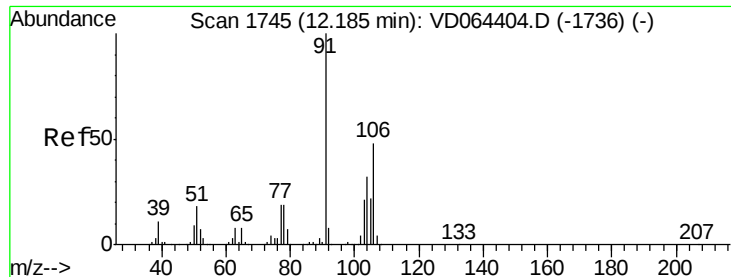
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#68
m/p-Xylenes
Concen: 38.936 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion: 106 Resp: 313844
Ion Ratio Lower Upper
106 100
91 198.5 157.4 236.2





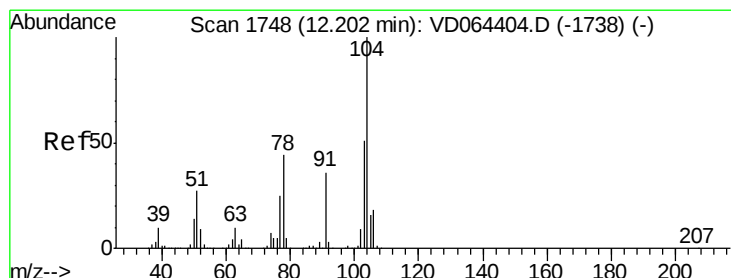
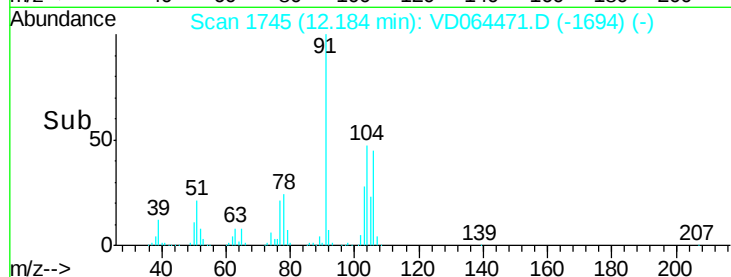
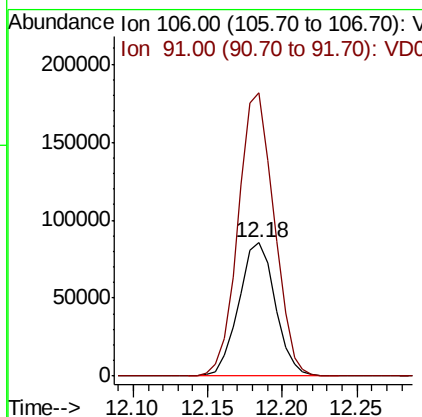
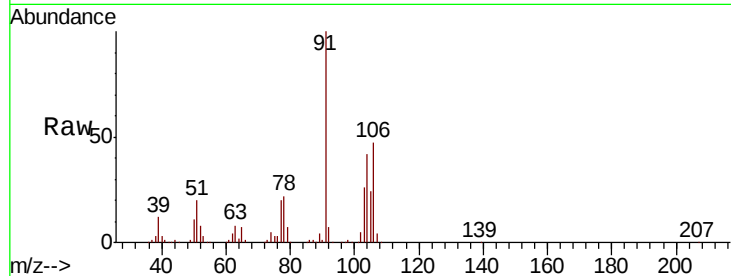
#69
o-Xylene
Concen: 19.512 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.7	103.8	311.4

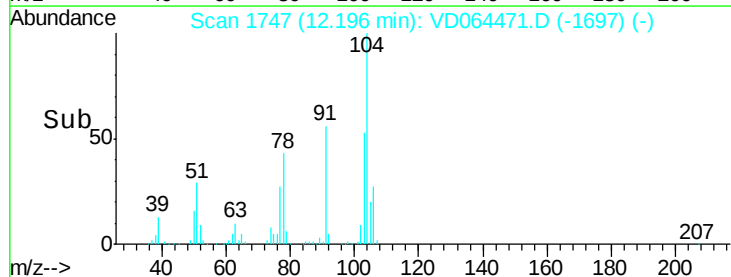
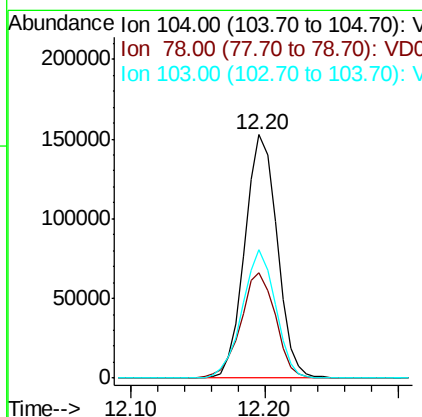
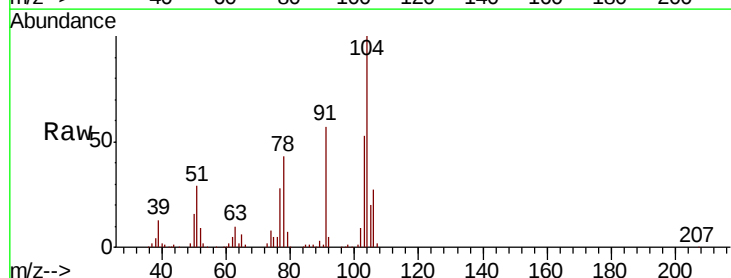
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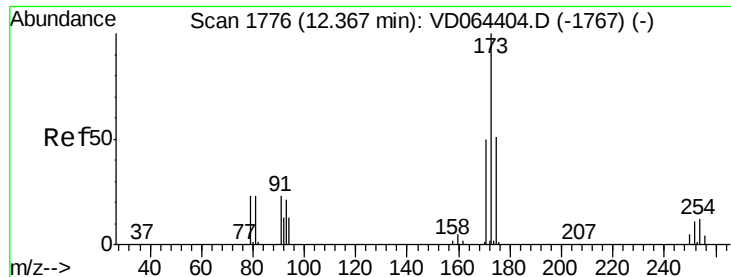
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#70
Styrene
Concen: 19.723 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.7	38.8	58.2
103	54.5	44.2	66.4





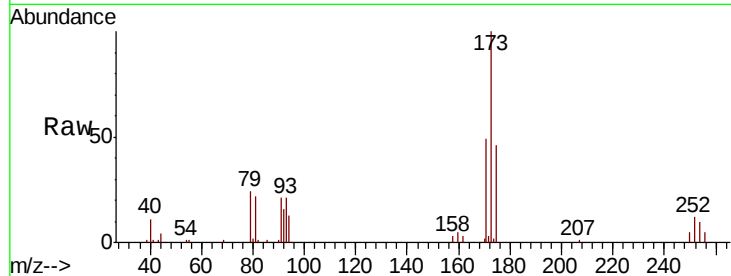
#71
Bromoform
Concen: 20.552 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

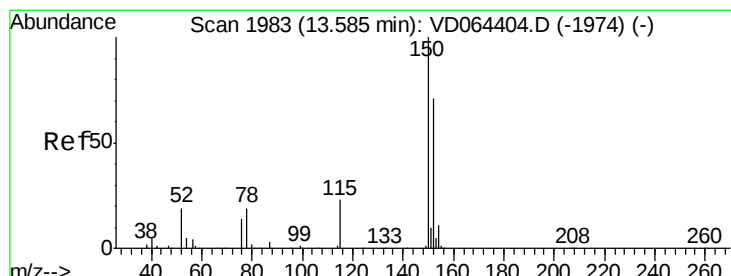
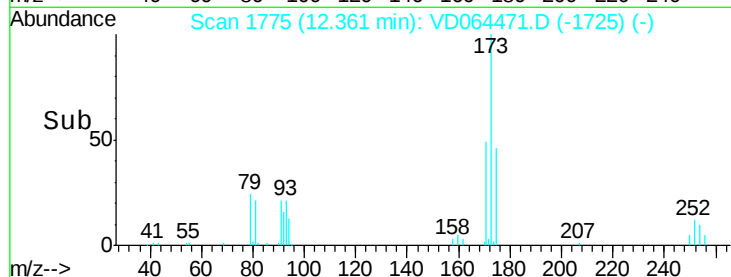
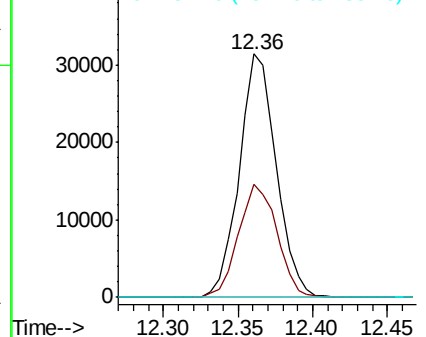
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	25.3	75.8
254	0.0	0.0	0.0

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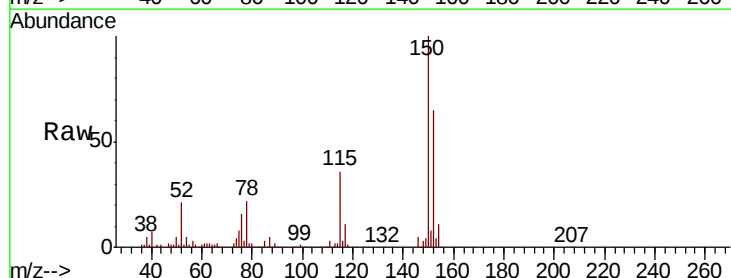


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

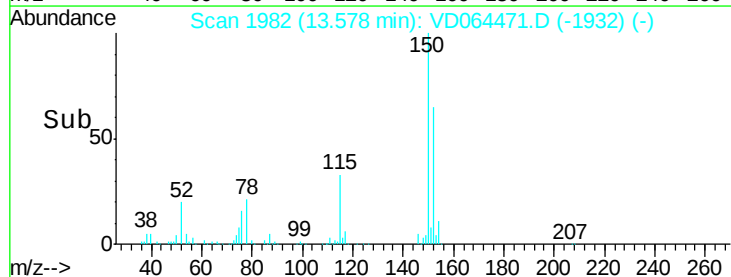
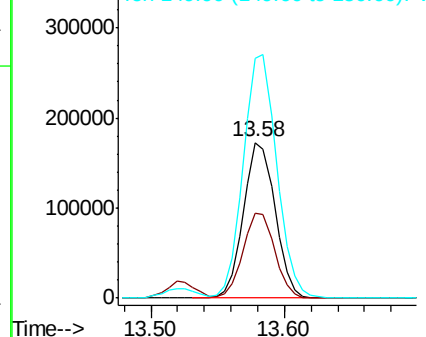


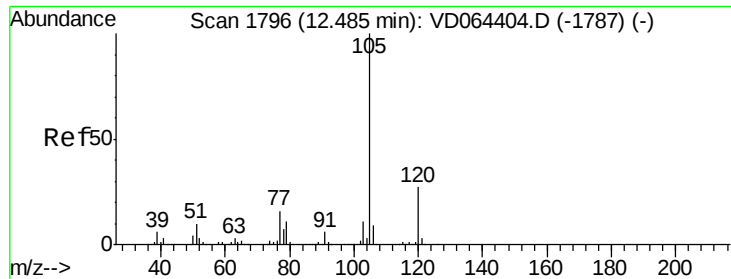
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	26.7	80.1
150	164.8	0.0	347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.144 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion: 105 Resp: 390535

Ion Ratio Lower Upper

105 100

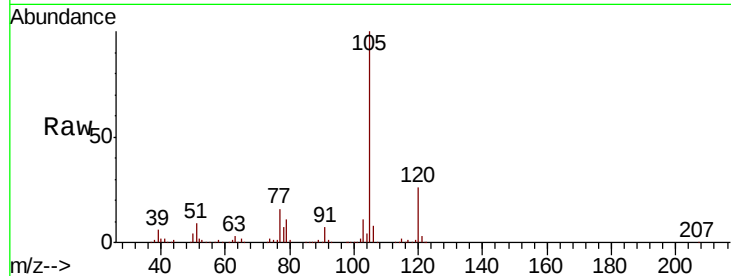
120 26.6 13.4 40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

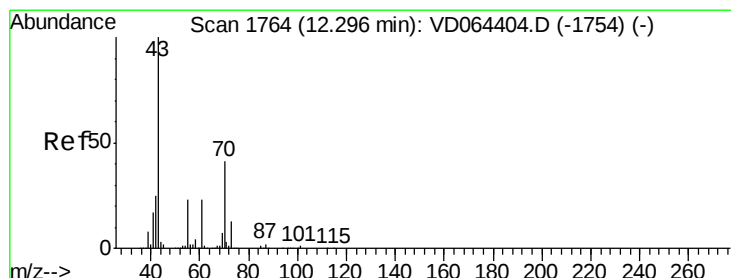
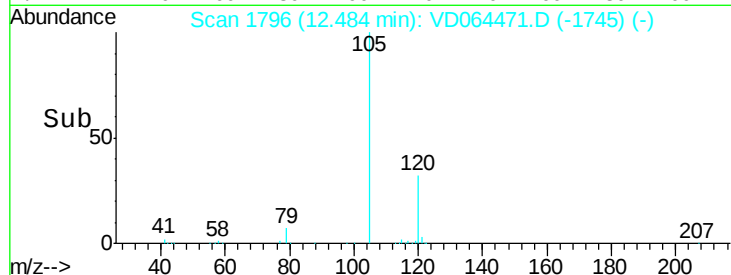
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 20.351 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Tgt Ion: 43 Resp: 94226

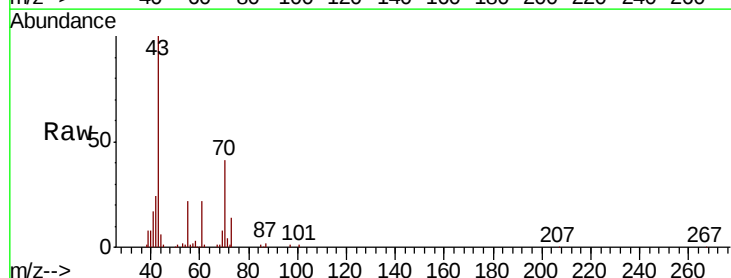
Ion Ratio Lower Upper

43 100

70 41.6 33.4 50.2

55 23.1 18.9 28.3

61 22.4 18.5 27.7



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

80000

60000

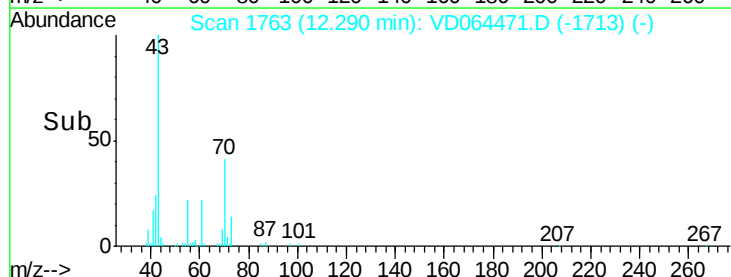
40000

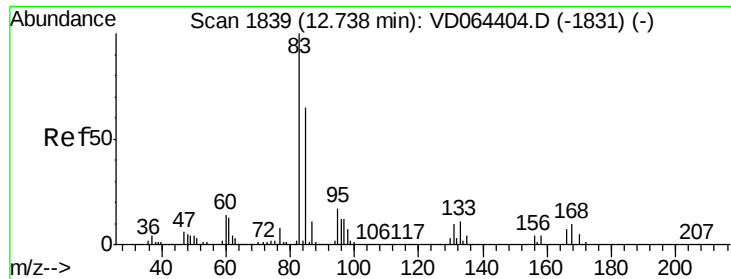
20000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.561 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

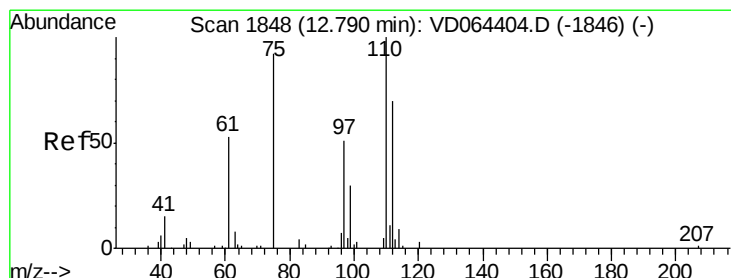
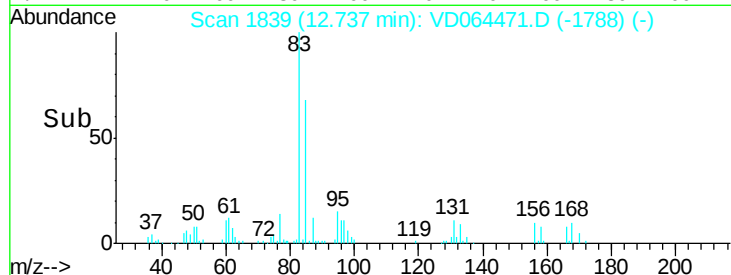
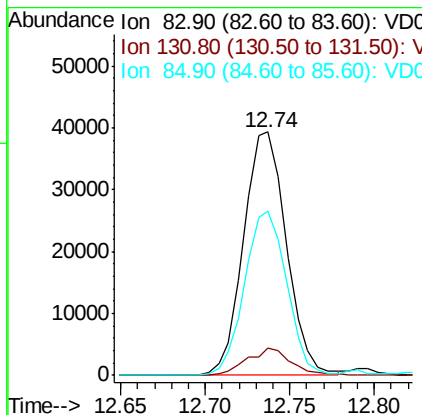
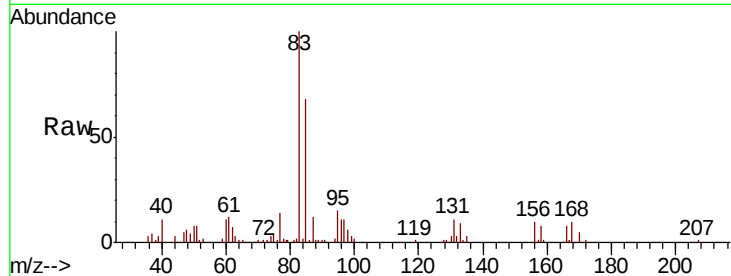
ClientSampleId :

VD1209SBS01

Tot Ion:	83	Resp:	69363
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	66.3	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.966 ug/l m

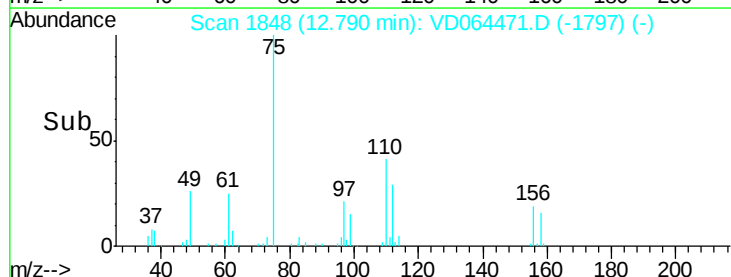
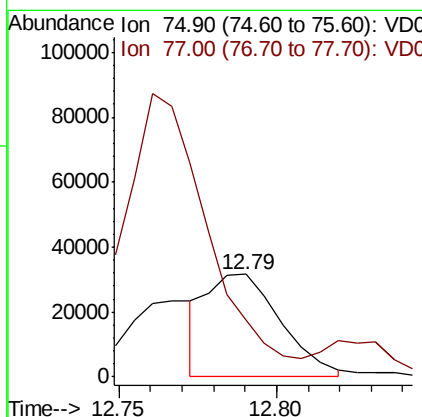
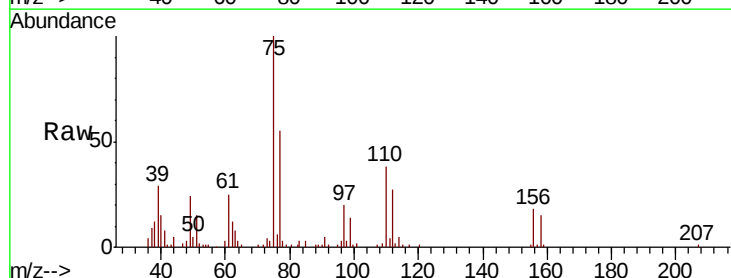
RT: 12.79 min Scan# 1848

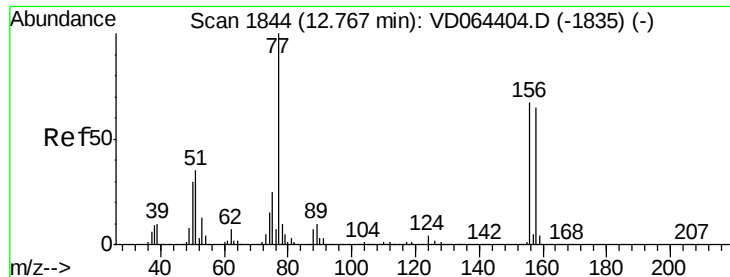
Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Tgt Ion:	75	Resp:	51238
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.749 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

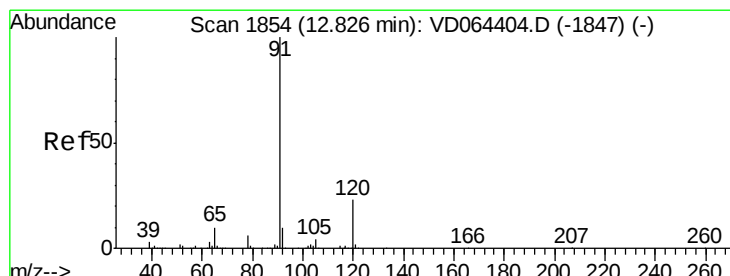
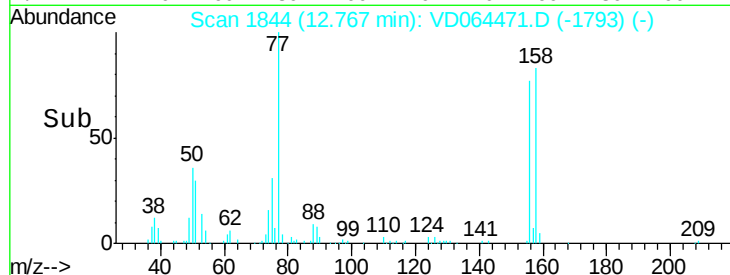
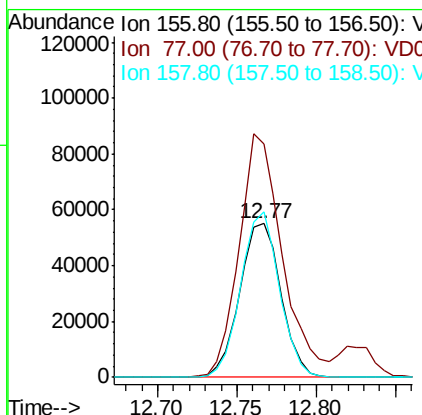
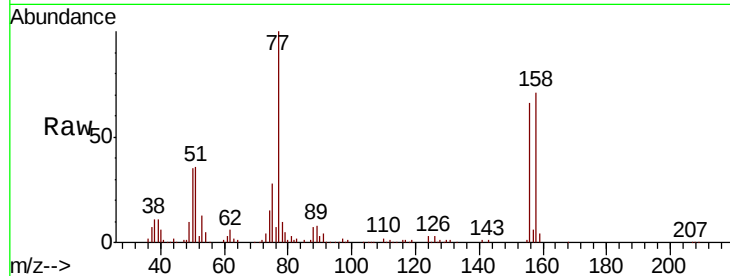
ClientSampleId :

VD1209SBS01

Tot Ion:	156	Resp:	99486
Ion	Ratio	Lower	Upper
156	100		
77	166.6	80.0	240.2
158	100.7	48.9	146.6

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#78

n-propylbenzene

Concen: 19.144 ug/l

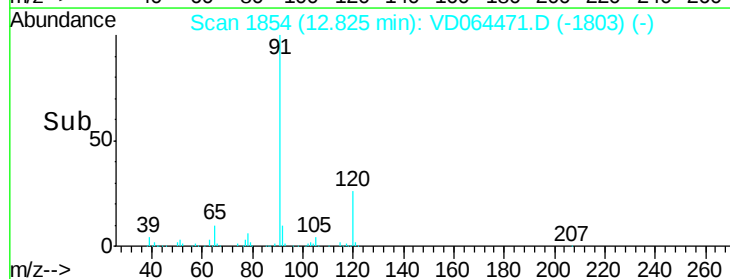
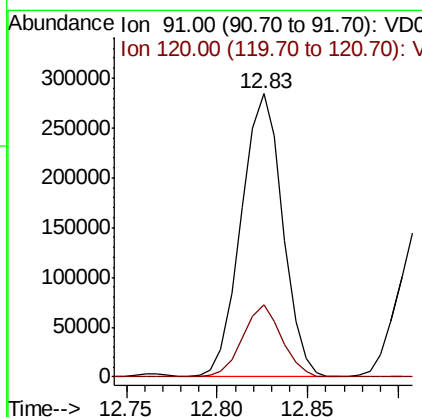
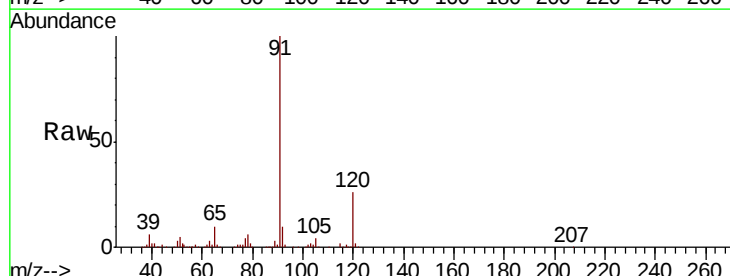
RT: 12.83 min Scan# 1854

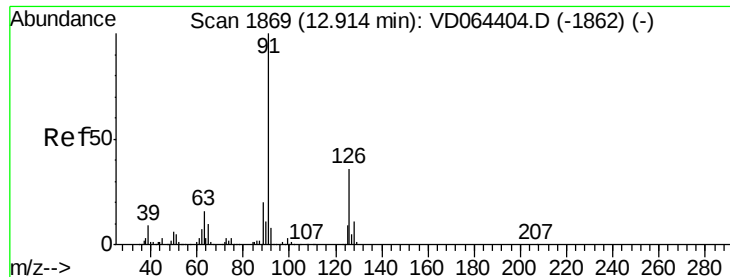
Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Tgt Ion:	91	Resp:	450589
Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.9	35.9





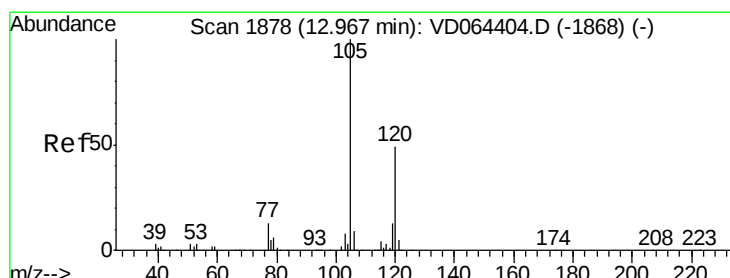
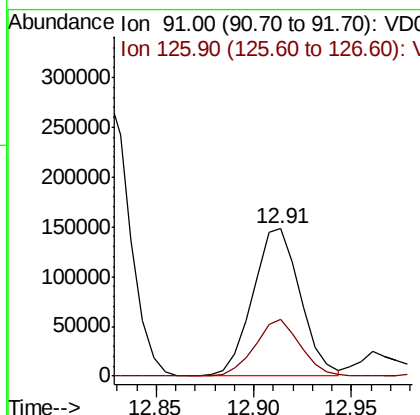
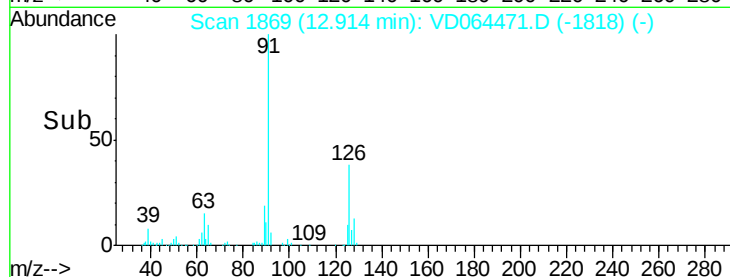
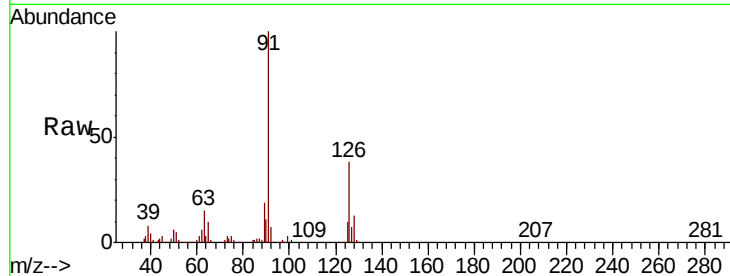
#79
 2-Chlorotoluene
 Concen: 19.160 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion: 91 Resp: 248146
 Ion Ratio Lower Upper
 91 100
 126 37.0 18.0 54.0

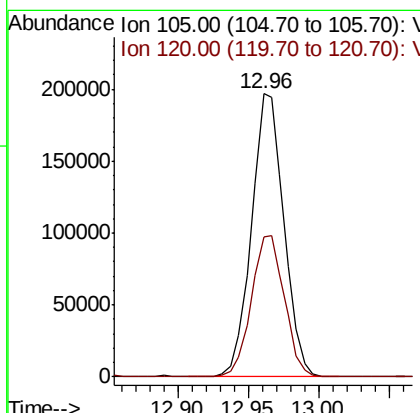
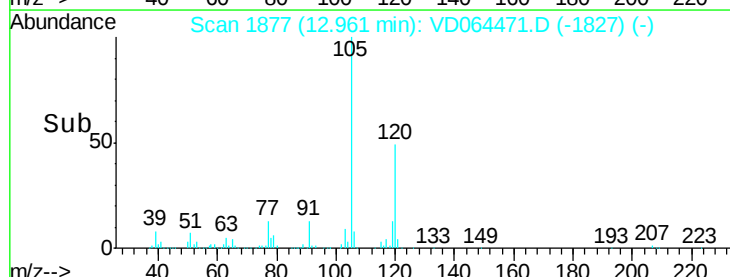
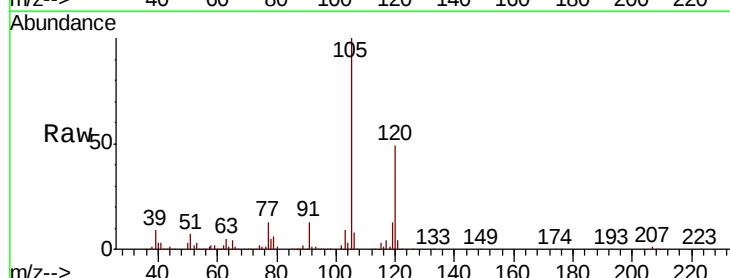
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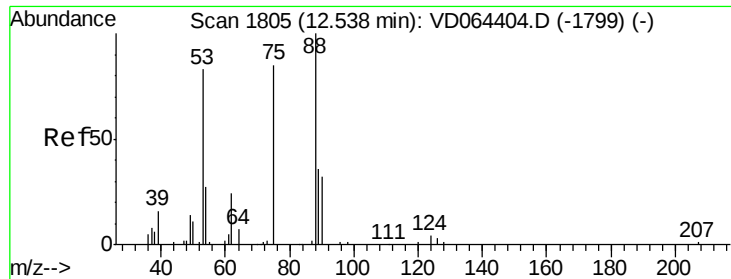
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.064 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Tgt Ion: 105 Resp: 317813
 Ion Ratio Lower Upper
 105 100
 120 50.7 25.1 75.3





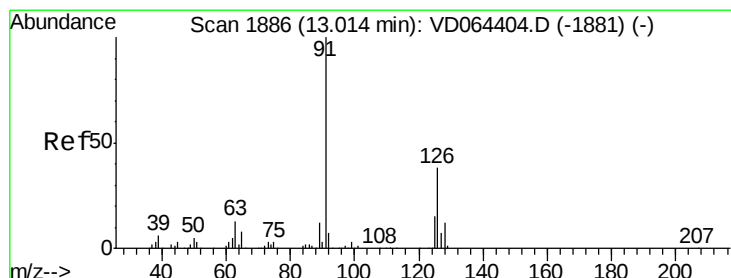
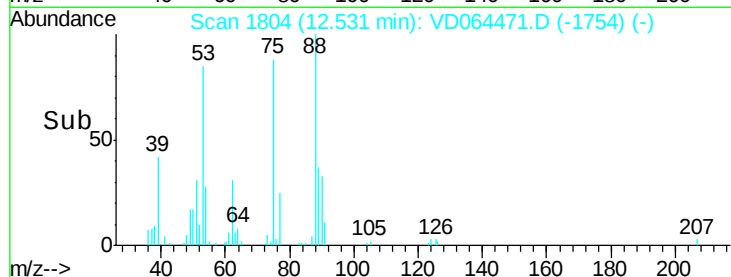
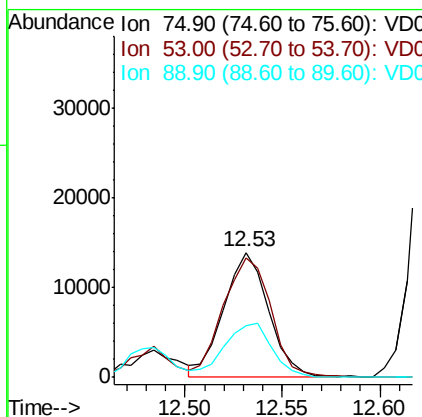
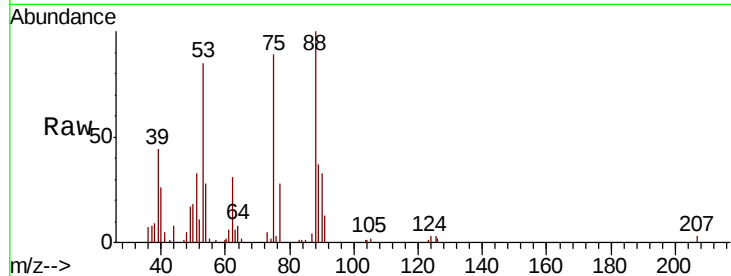
#81
trans-1,4-Dichloro-2-butene
Concen: 20.802 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.5	81.0	121.6
89	45.8	38.5	57.7

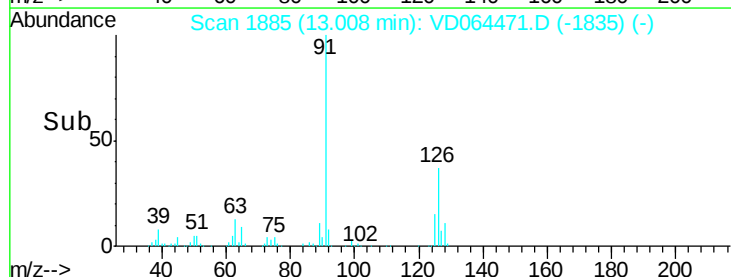
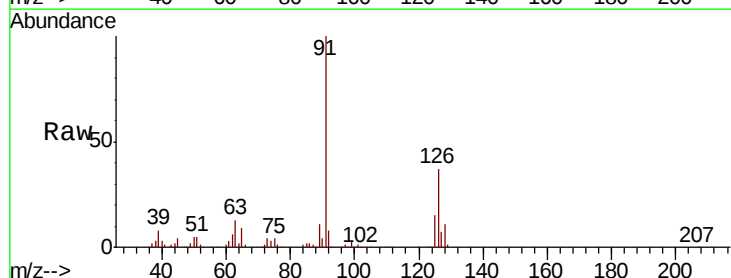
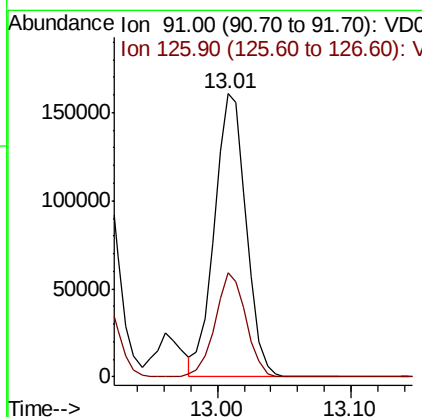
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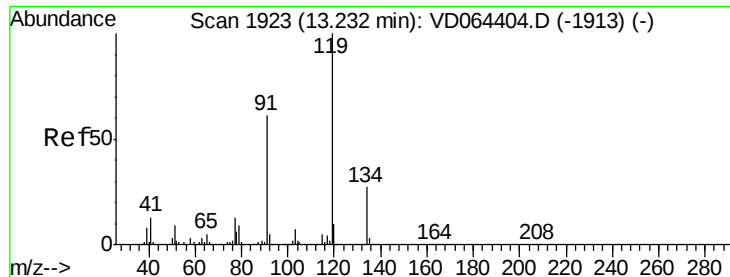
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#82
4-Chlorotoluene
Concen: 19.532 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	18.2	54.6





#83

tert-Butylbenzene

Concen: 18.937 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

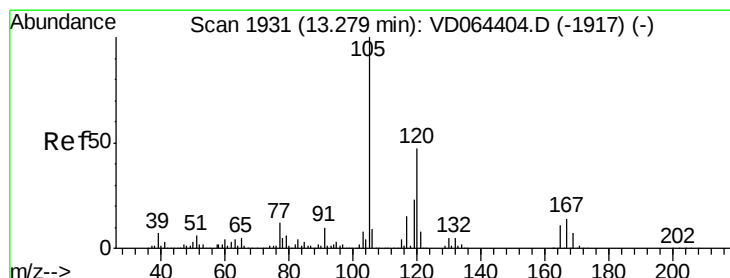
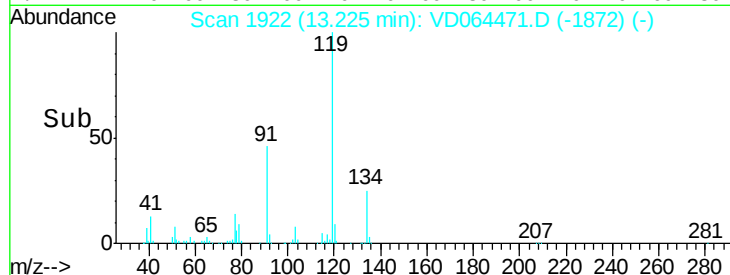
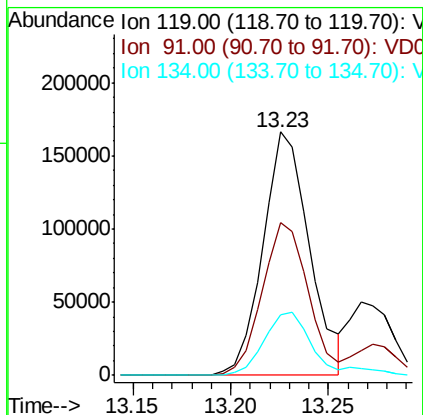
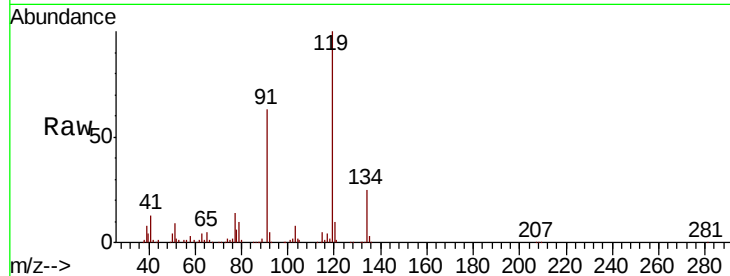
ClientSampleId :

VD1209SBS01

Tot Ion:	119	Resp:	274451
Ion Ratio	Lower	Upper	
119	100		
91	61.9	31.2	93.6
134	27.9	13.9	41.7

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#84

1,2,4-Trimethylbenzene

Concen: 19.376 ug/l

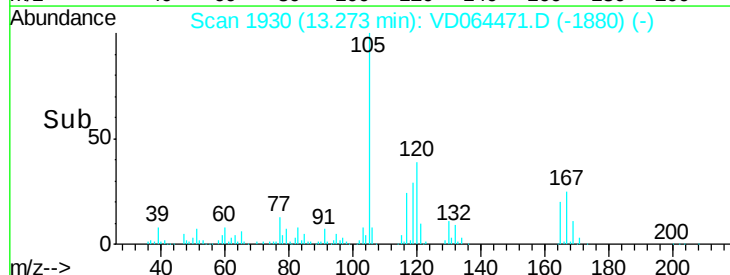
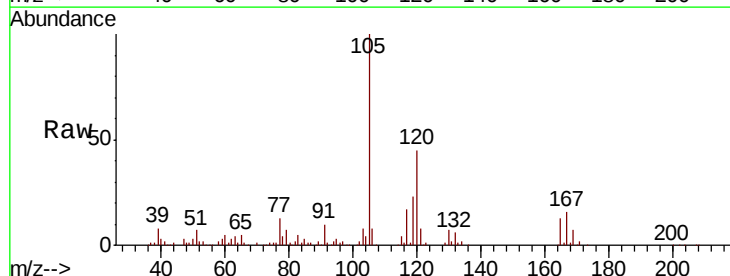
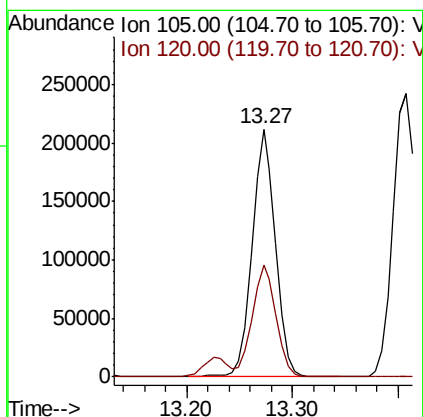
RT: 13.27 min Scan# 1930

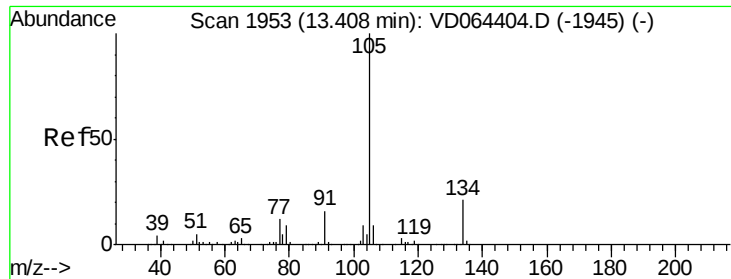
Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Tgt Ion:	105	Resp:	324803
Ion Ratio	Lower	Upper	
105	100		
120	46.3	23.6	70.8





#85

sec-Butylbenzene

Concen: 19.226 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

ClientSampleId :

VD1209SBS01

Tot Ion:105 Resp: 382433

Ion Ratio Lower Upper

105 100

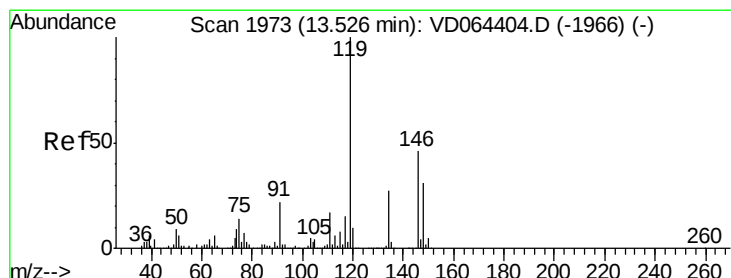
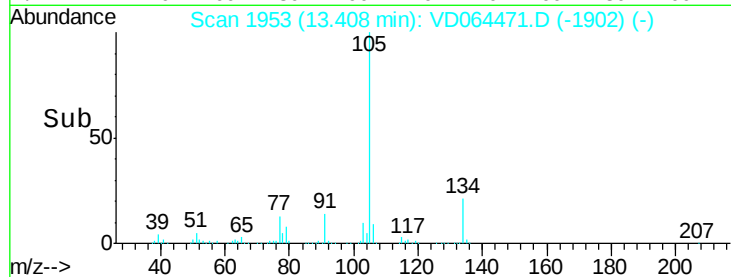
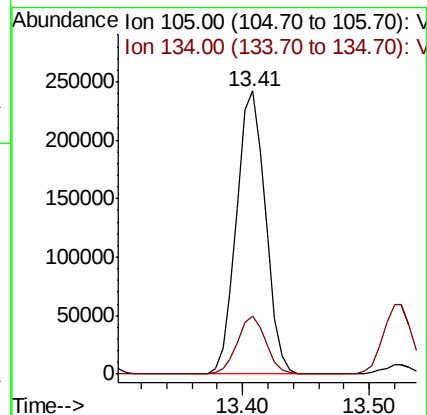
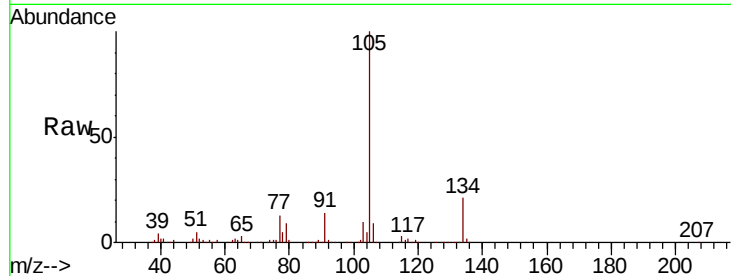
134 20.1 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 18.609 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

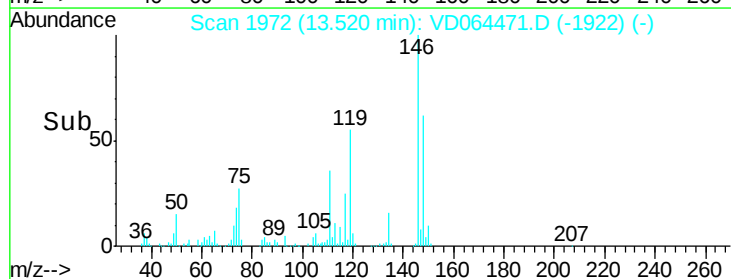
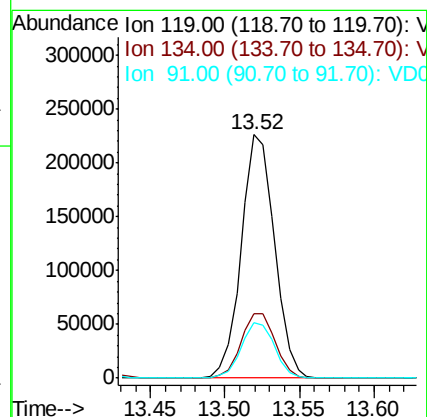
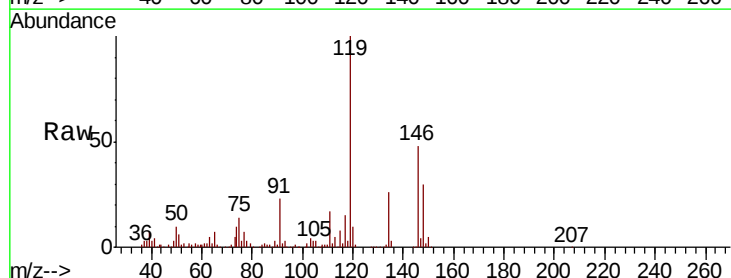
Tgt Ion:119 Resp: 349457

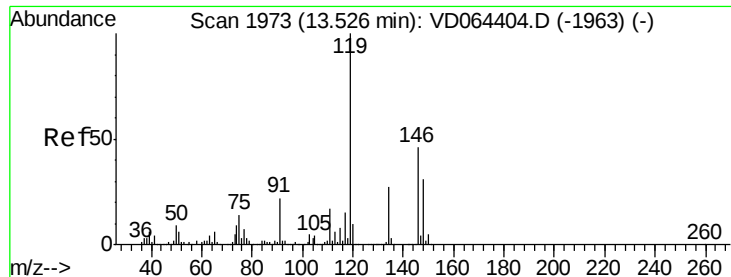
Ion Ratio Lower Upper

119 100

134 27.2 13.5 40.4

91 23.0 11.2 33.5





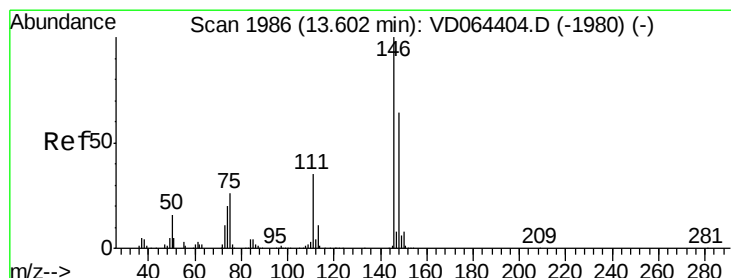
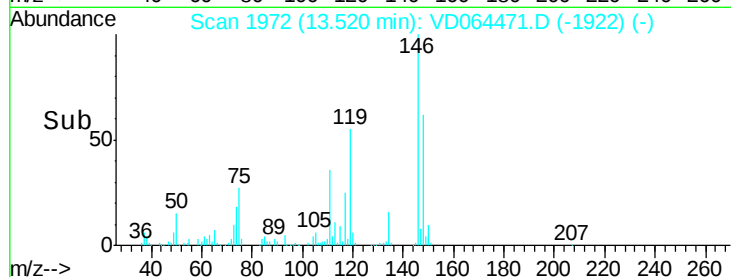
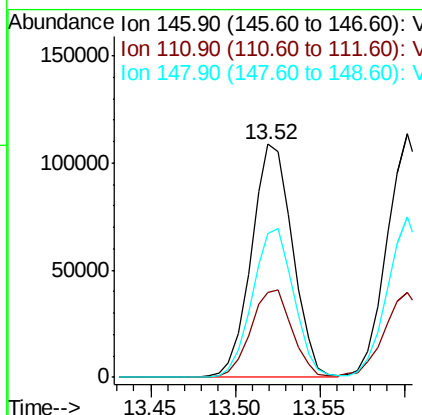
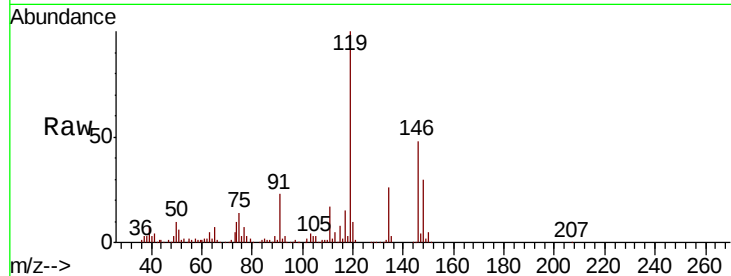
#87
 1,3-Dichlorobenzene
 Concen: 19.188 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183462		
111	37.6	18.8	56.4	
148	63.8	32.6	97.8	

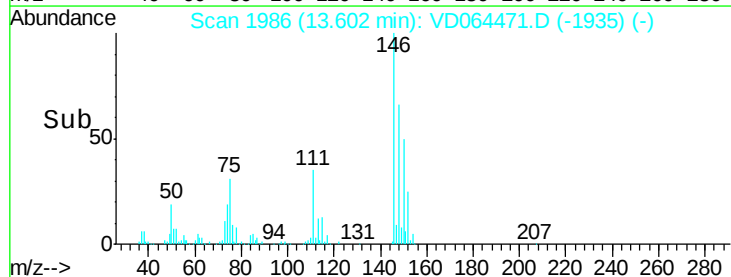
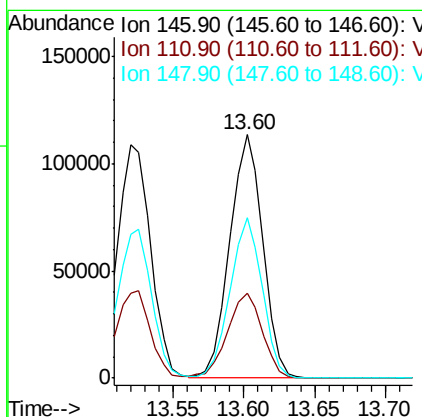
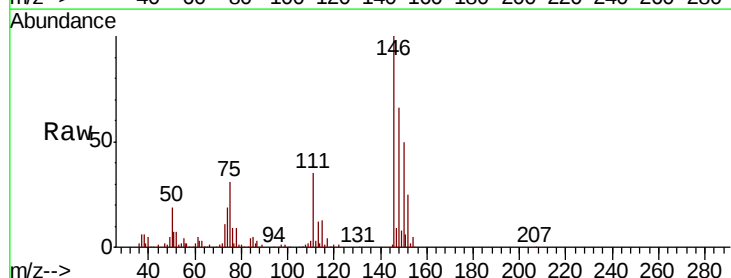
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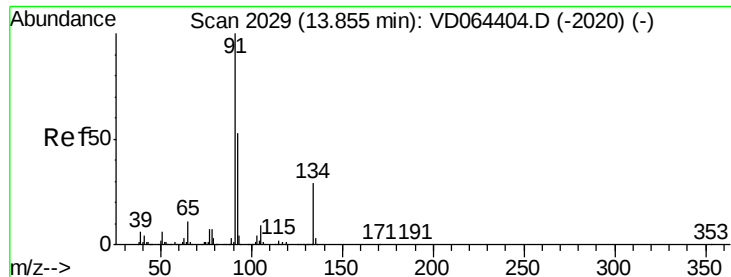
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#88
 1,4-Dichlorobenzene
 Concen: 19.608 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	185097		
111	36.9	18.2	54.6	
148	64.1	31.8	95.4	





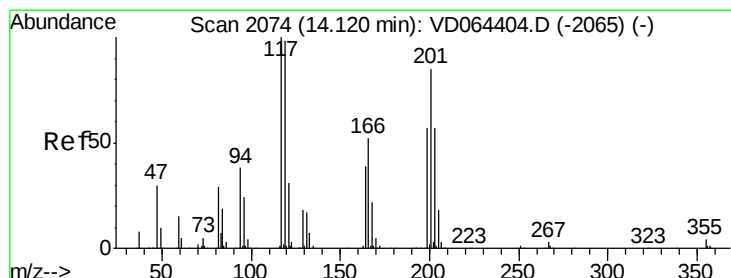
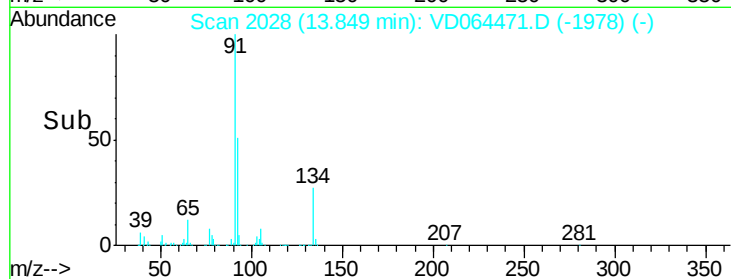
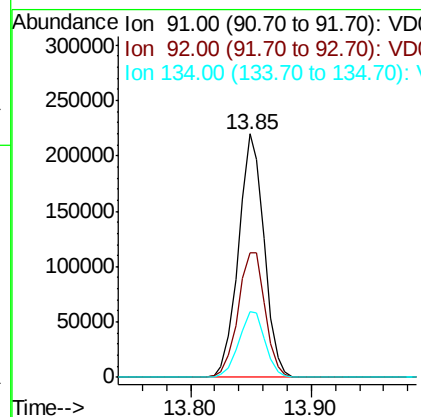
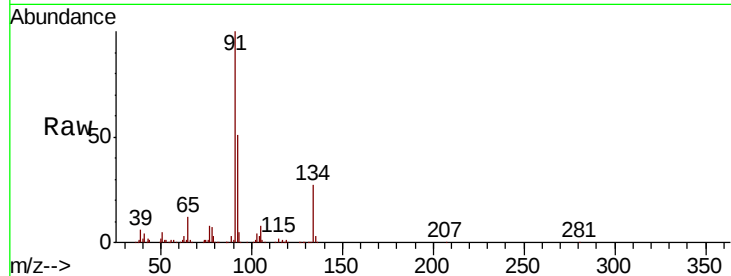
#89
n-Butylbenzene
Concen: 19.004 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Instrument :
MSVOA_D
ClientSampleId :
VD1209SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.2	26.5	79.4	
134	27.7	13.9	41.7	

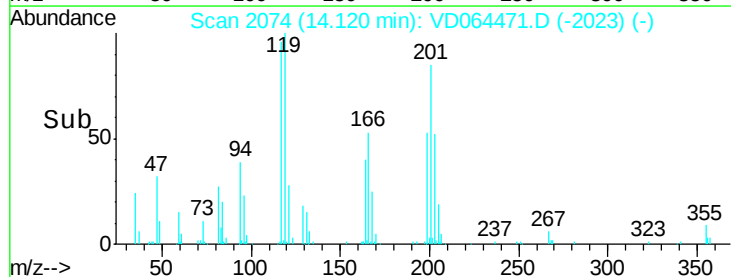
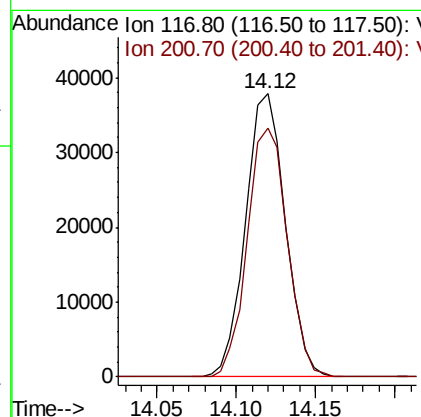
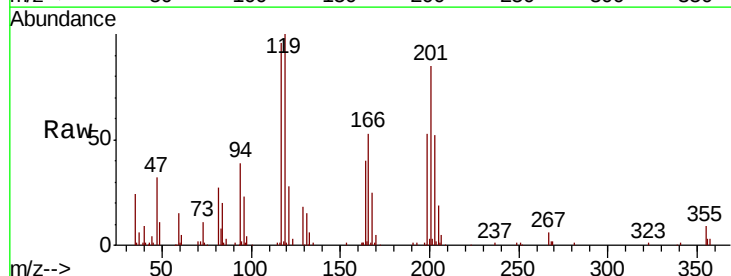
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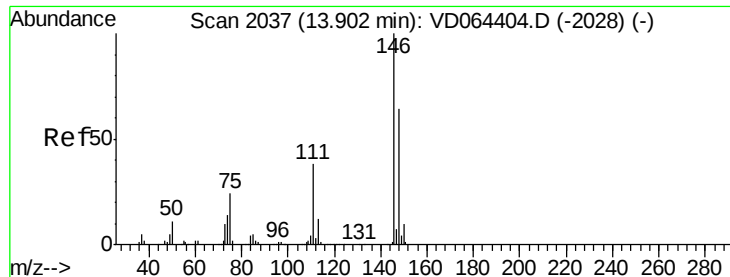
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#90
Hexachloroethane
Concen: 18.814 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064471.D
Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	88.4	44.3	132.8	





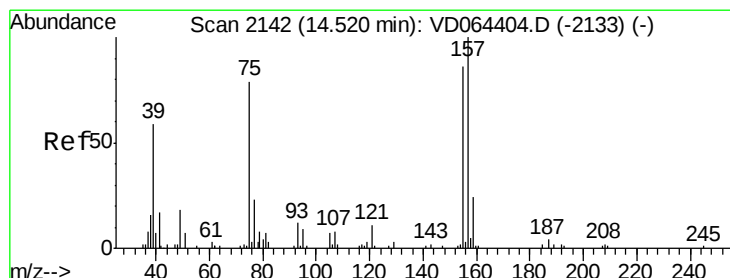
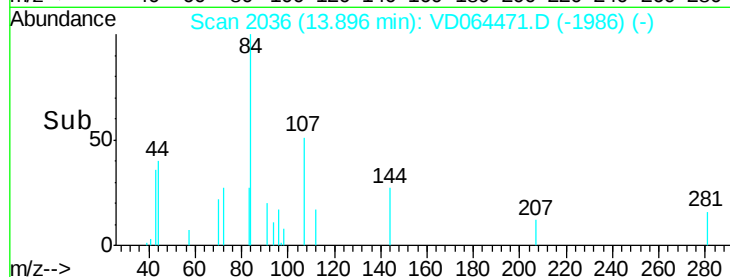
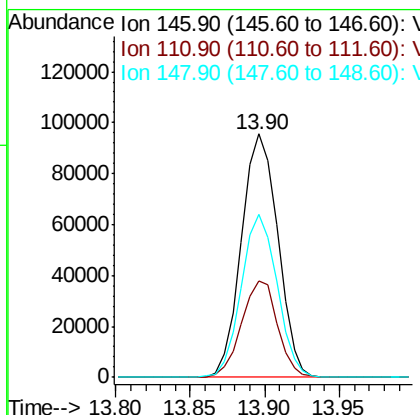
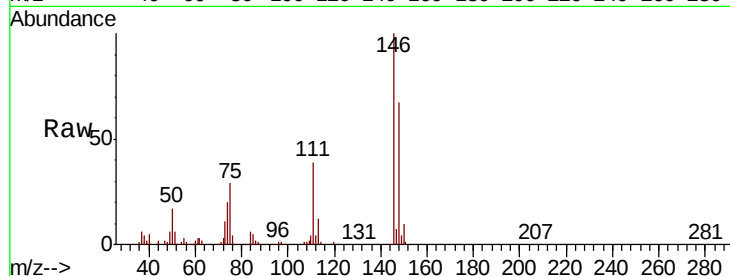
#91
 1,2-Dichlorobenzene
 Concen: 19.782 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.1	57.3
148	65.8	32.0	96.0

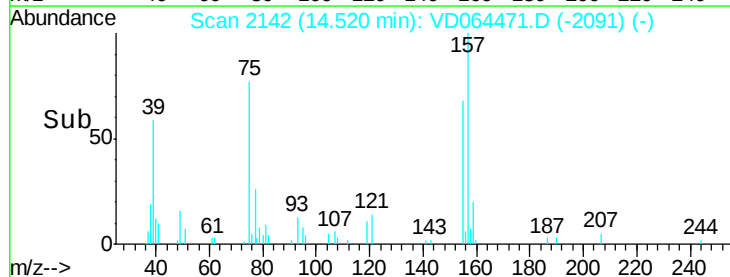
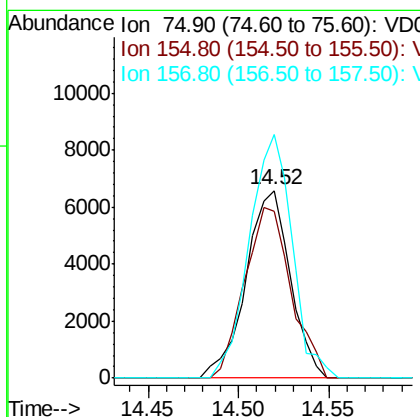
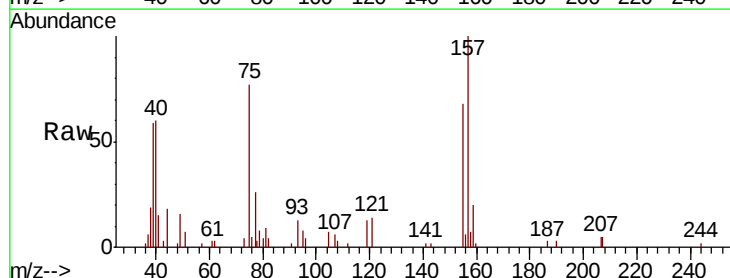
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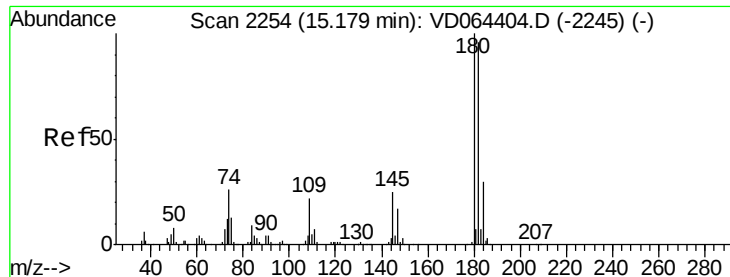
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.560 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	51.9	155.7
157	125.2	63.2	189.8





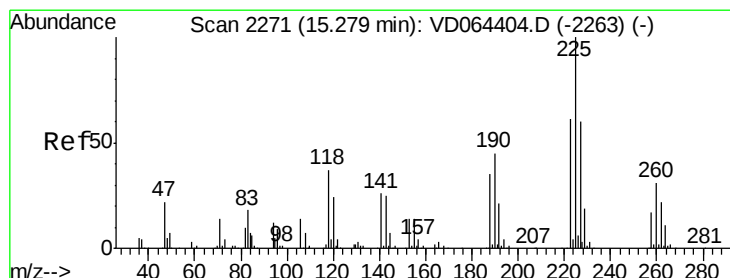
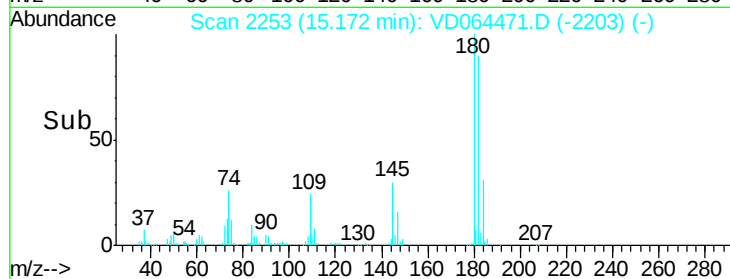
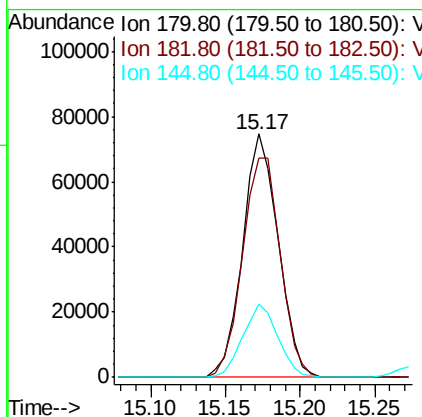
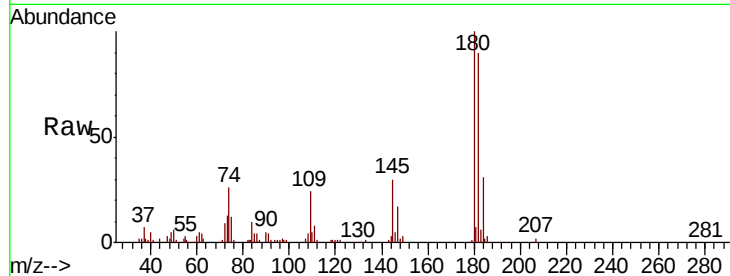
#93
 1,2,4-Trichlorobenzene
 Concen: 19.666 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1209SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	123068		
182	96.0	47.4	142.3	
145	29.8	14.0	41.9	

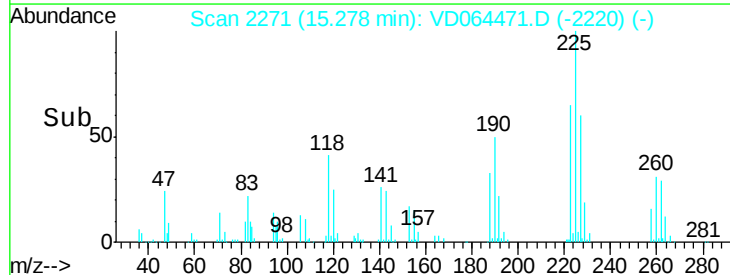
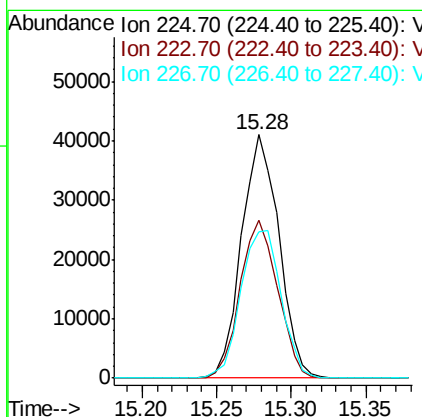
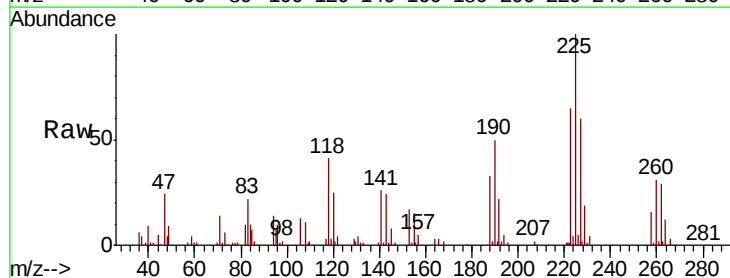
Manual Integrations
 APPROVED

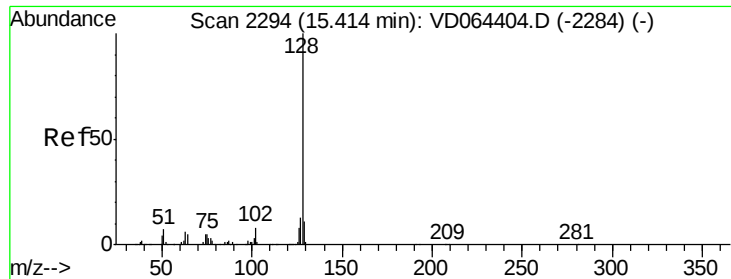
apatel
 12/10/2019 4:06:49 PM



#94
 Hexachlorobutadiene
 Concen: 18.415 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064471.D
 Acq: 09 Dec 2019 13:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	71144		
223	65.2	31.1	93.3	
227	65.2	31.8	95.4	





#95

Naphthalene

Concen: 19.572 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Instrument :

MSVOA_D

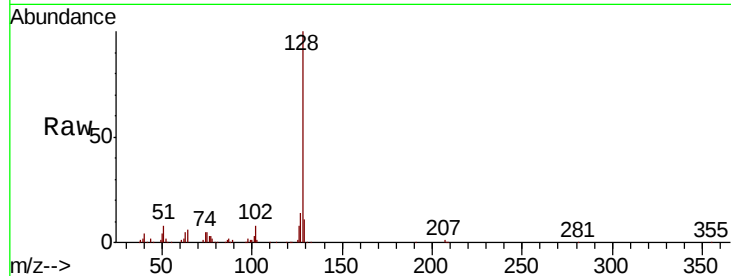
ClientSampleId :

VD1209SBS01

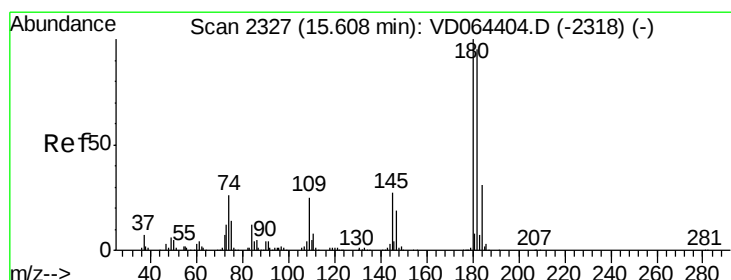
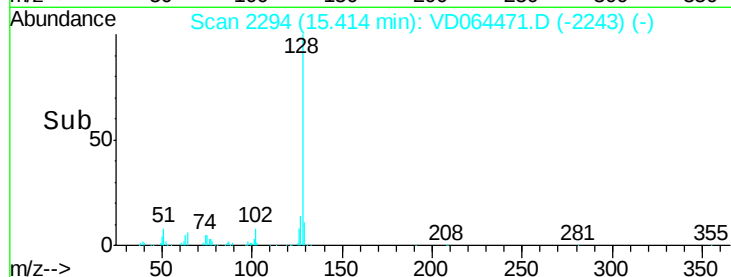
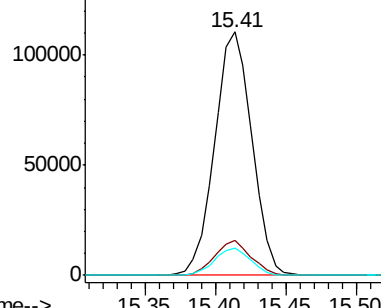
Tot Ion:	128	Resp:	204401
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
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12/10/2019 4:06:49 PM



Abundance Ion 128.00 (127.70 to 128.70): V
150000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.970 ug/l

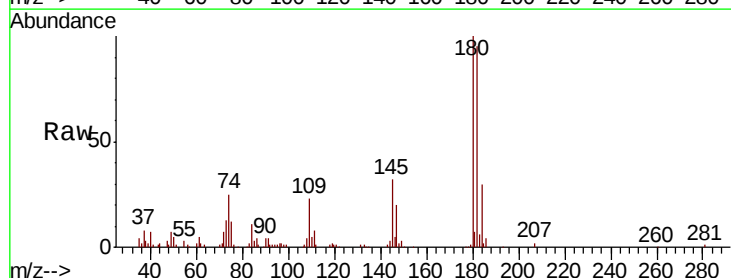
RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064471.D

Acq: 09 Dec 2019 13:08

Tgt Ion:	180	Resp:	106678
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.6	142.9
145	30.5	14.6	43.8



Abundance Ion 179.80 (179.50 to 180.50): V
60000
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

