

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064429.D
 Acq On : 05 Dec 2019 11:47
 Operator : VA/SY
 Sample : VD1205SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Manual Integrations
 APPROVED

apatel
 12/6/2019 12:59:13 PM

Quant Time: Dec 06 06:15:48 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	474680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	684391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	601410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	294285	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	203245	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	
35) Dibromofluoromethane	7.91	113	211242	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
50) Toluene-d8	10.34	98	818056	50.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.64	95	258224	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	92513	21.509	ug/l	97
3) Chloromethane	2.21	50	115459	21.283	ug/l	95
4) Vinyl Chloride	2.35	62	130264	20.797	ug/l	100
5) Bromomethane	2.76	94	89285	19.276	ug/l	95
6) Chloroethane	2.92	64	86964	20.772	ug/l	98
7) Trichlorofluoromethane	3.27	101	219284	21.059	ug/l	96
8) Diethyl Ether	3.70	74	43397	20.056	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94372	21.138	ug/l	97
10) Methyl Iodide	4.29	142	89187	18.916	ug/l	99
11) Tert butyl alcohol	5.24	59	21614	79.028	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	91493	21.384	ug/l	96
13) Acrolein	3.93	56	33068	88.643	ug/l	100
14) Allyl chloride	4.71	41	143122	21.434	ug/l	99
15) Acrylonitrile	5.43	53	89481	94.570	ug/l	100
16) Acetone	4.17	43	77980	89.813	ug/l #	81
17) Carbon Disulfide	4.40	76	288255	21.272	ug/l	99
18) Methyl Acetate	4.73	43	55901	22.073	ug/l #	71
19) Methyl tert-butyl Ether	5.48	73	192149	19.578	ug/l	94
20) Methylene Chloride	4.97	84	99978	19.994	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	101593	20.992	ug/l	96
22) Diisopropyl ether	6.36	45	272152	20.646	ug/l	93
23) Vinyl Acetate	6.31	43	744658	95.825	ug/l	100
24) 1,1-Dichloroethane	6.27	63	169650	21.401	ug/l	99
25) 2-Butanone	7.22	43	107751	87.754	ug/l	97
26) 2,2-Dichloropropane	7.20	77	152370	22.102	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110153	20.877	ug/l	98
28) Bromochloromethane	7.55	49	41221	15.216	ug/l	97
29) Tetrahydrofuran	7.57	42	72170	92.383	ug/l	98
30) Chloroform	7.71	83	171607	20.902	ug/l	98
31) Cyclohexane	7.98	56	162301	20.769	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	162979	21.412	ug/l	99
36) 1,1-Dichloropropene	8.11	75	137545	21.248	ug/l	99
37) Ethyl Acetate	7.30	43	50360	18.334	ug/l	98
38) Carbon Tetrachloride	8.09	117	150449	22.021	ug/l	91

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	171433	21.349	ug/l	96
40) Benzene	8.35	78	381821	21.237	ug/l	97
41) Methacrylonitrile	7.53	41	27076	17.188	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	109829	20.947	ug/l	99
43) Isopropyl Acetate	8.46	43	102345	18.950	ug/l	98
44) Trichloroethene	9.11	130	114645	21.168	ug/l	96
45) 1,2-Dichloropropane	9.38	63	93027	21.635	ug/l	99
46) Dibromomethane	9.48	93	48741	20.084	ug/l	98
47) Bromodichloromethane	9.66	83	131547	21.096	ug/l	98
48) Methyl methacrylate	9.46	41	48544	19.643	ug/l	94
49) 1,4-Dioxane	9.46	88	10840	361.717	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	248398	92.955	ug/l	100
52) Toluene	10.40	92	244271	20.847	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	120716	20.313	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	150250	21.282	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	65151	19.606	ug/l	96
56) Ethyl methacrylate	10.66	69	79497	18.757	ug/l	94
57) 1,3-Dichloropropane	10.95	76	112976	19.972	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	176623	104.537	ug/l	97
59) 2-Hexanone	10.99	43	168322	90.777	ug/l	99
60) Dibromochloromethane	11.14	129	90237	20.028	ug/l	98
61) 1,2-Dibromoethane	11.25	107	63667	19.189	ug/l	100
64) Tetrachloroethene	10.88	164	97217	21.198	ug/l	98
65) Chlorobenzene	11.67	112	259721	20.706	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	94542	20.360	ug/l	98
67) Ethyl Benzene	11.75	91	467869	20.964	ug/l	98
68) m/p-Xylenes	11.86	106	355836	41.816	ug/l	98
69) o-Xylene	12.18	106	161821	20.590	ug/l	98
70) Styrene	12.20	104	282954	20.719	ug/l	99
71) Bromoform	12.37	173	53598	19.293	ug/l #	99
73) Isopropylbenzene	12.48	105	441790	20.873	ug/l	98
74) N-amyl acetate	12.29	43	89072	18.542	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	67767	19.362	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	52846m	21.836	ug/l	
77) Bromobenzene	12.77	156	111181	21.272	ug/l	97
78) n-propylbenzene	12.83	91	514271	21.059	ug/l	99
79) 2-Chlorotoluene	12.91	91	282485	21.022	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	362729	20.972	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21532	19.400	ug/l	97
82) 4-Chlorotoluene	13.01	91	295484	20.769	ug/l	99
83) tert-Butylbenzene	13.23	119	313779	20.867	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	358027	20.586	ug/l	99
85) sec-Butylbenzene	13.41	105	430502	20.860	ug/l	99
86) p-Isopropyltoluene	13.53	119	401125	20.587	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	205035	20.668	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	199996	20.420	ug/l	97
89) n-Butylbenzene	13.85	91	368818	20.844	ug/l	99
90) Hexachloroethane	14.12	117	77830	21.357	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	171717	20.255	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11642	19.597	ug/l	86

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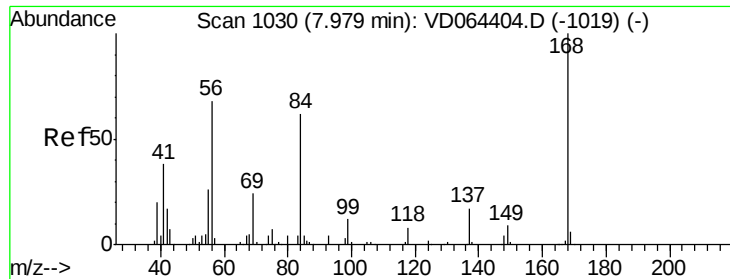
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	129545	19.952	ug/l	97
94) Hexachlorobutadiene	15.28	225	82504	20.583	ug/l	98
95) Naphthalene	15.41	128	201895	18.632	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	108126	19.509	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: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion:168 Resp: 474680

Ion Ratio Lower Upper

168 100

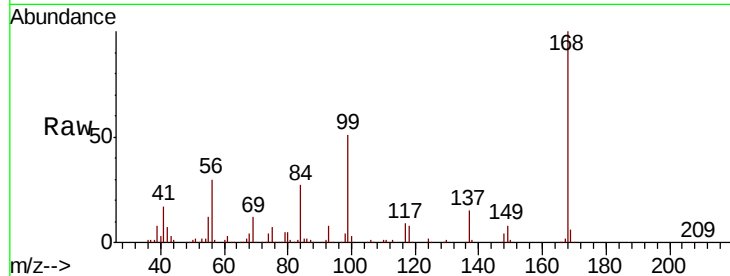
99 50.4 40.7 61.1

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

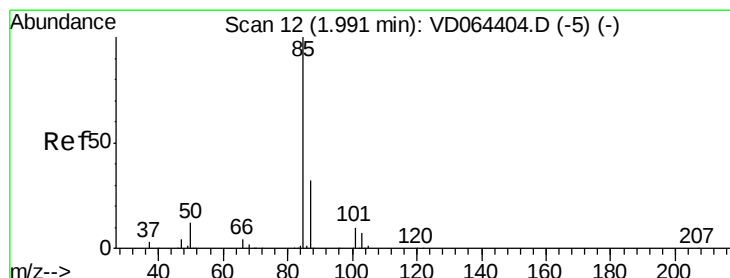
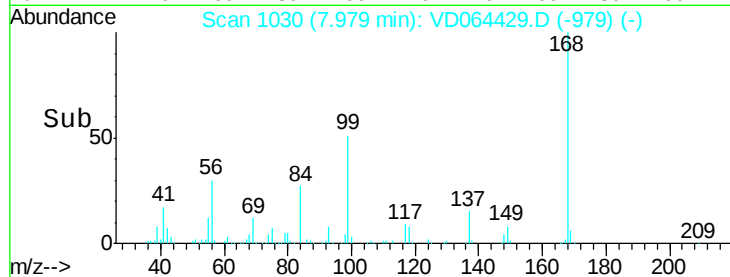
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.509 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064429.D

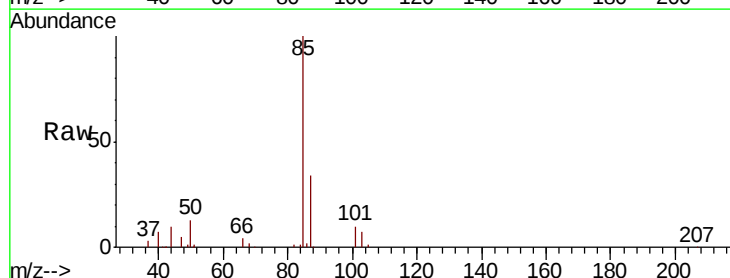
Acq: 05 Dec 2019 11:47

Tgt Ion: 85 Resp: 92513

Ion Ratio Lower Upper

85 100

87 34.0 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

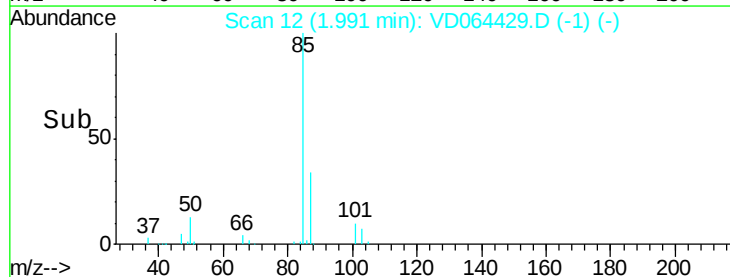
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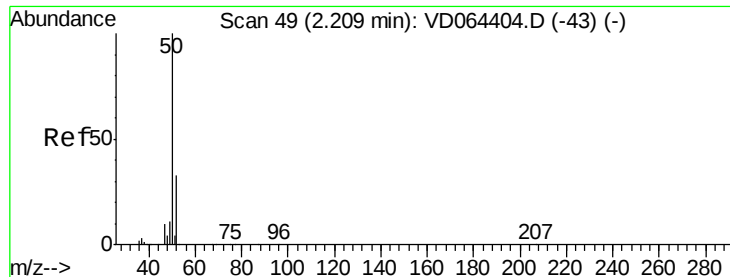
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.283 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 50 Resp: 115459

Ion Ratio Lower Upper

50 100

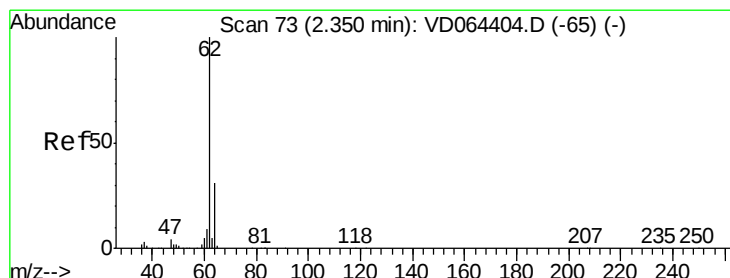
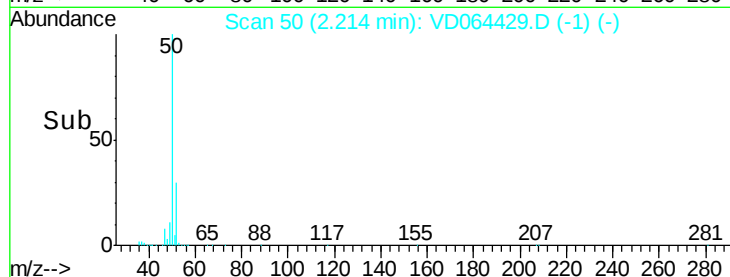
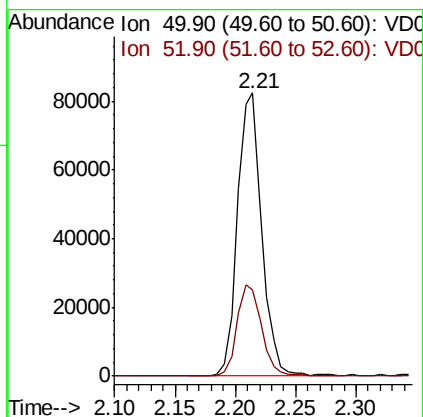
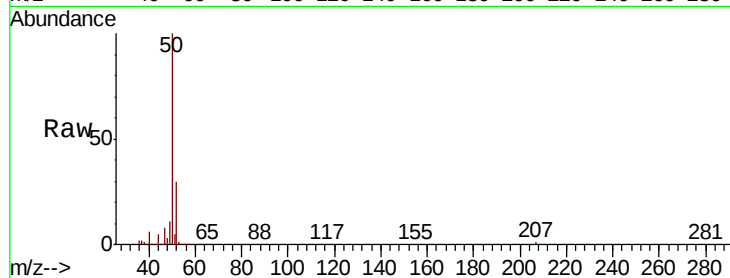
52 30.3 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.797 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064429.D

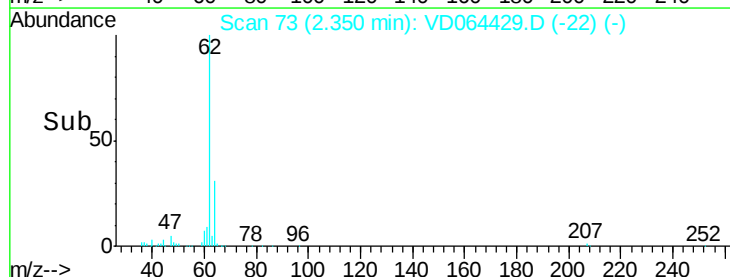
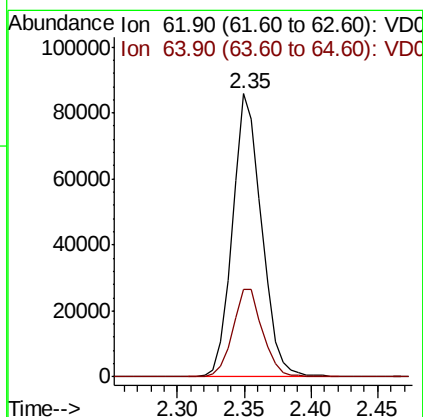
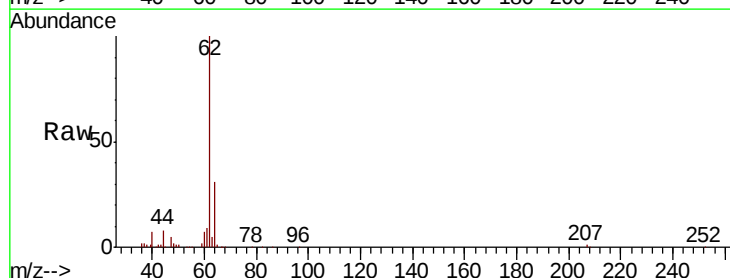
Acq: 05 Dec 2019 11:47

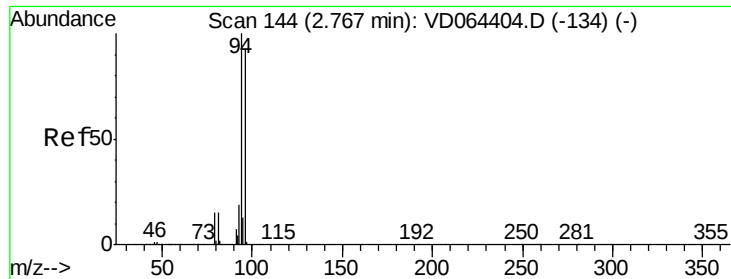
Tgt Ion: 62 Resp: 130264

Ion Ratio Lower Upper

62 100

64 31.1 25.0 37.4





#5

Bromomethane

Concen: 19.276 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 94 Resp: 89285

Ion Ratio Lower Upper

94 100

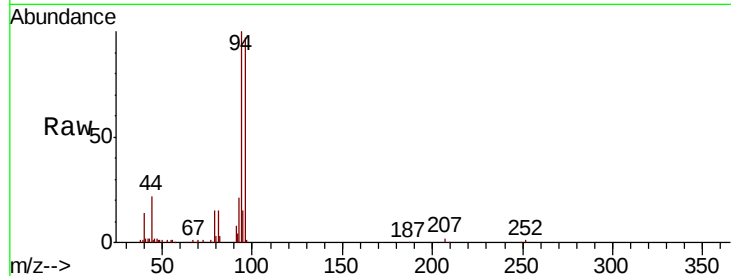
96 96.8 73.6 110.4

Manual Integrations

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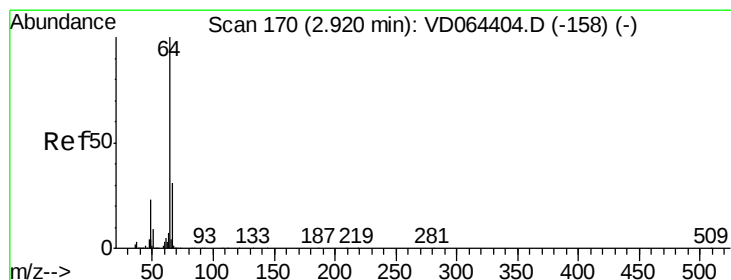
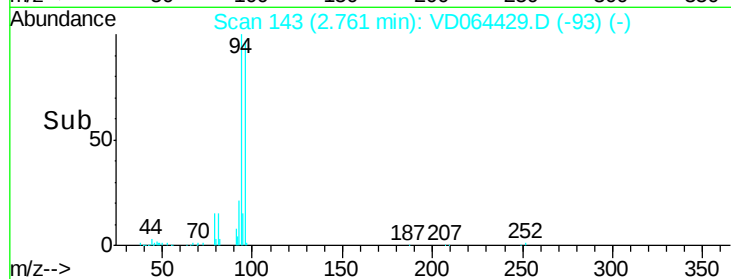
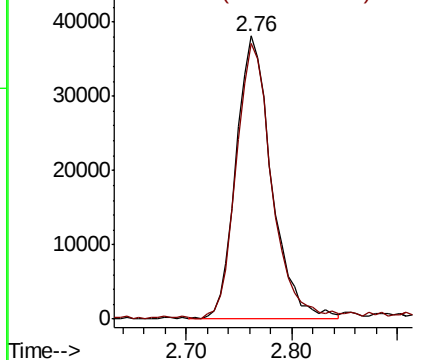
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.772 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064429.D

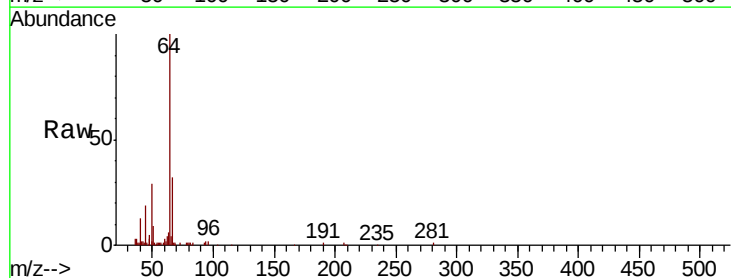
Acq: 05 Dec 2019 11:47

Tgt Ion: 64 Resp: 86964

Ion Ratio Lower Upper

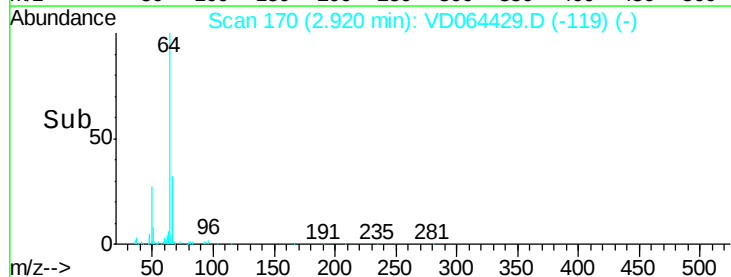
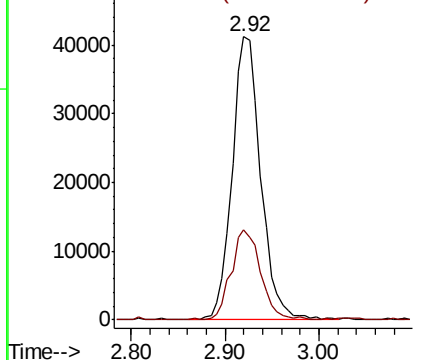
64 100

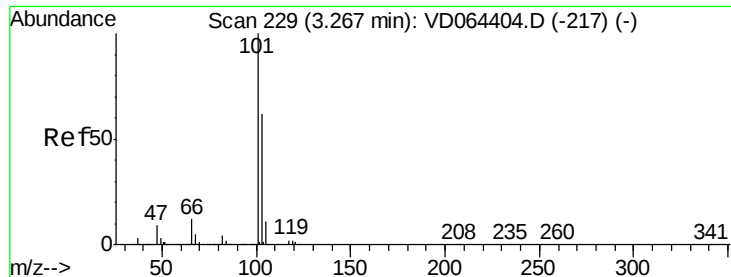
66 31.9 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

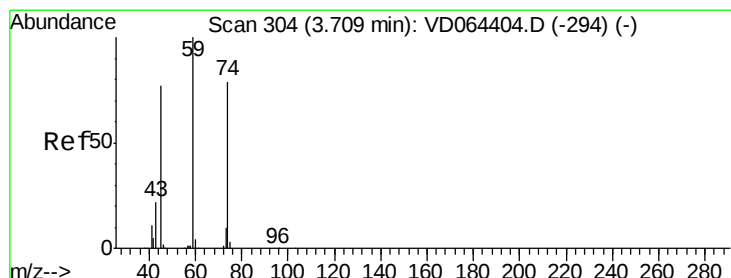
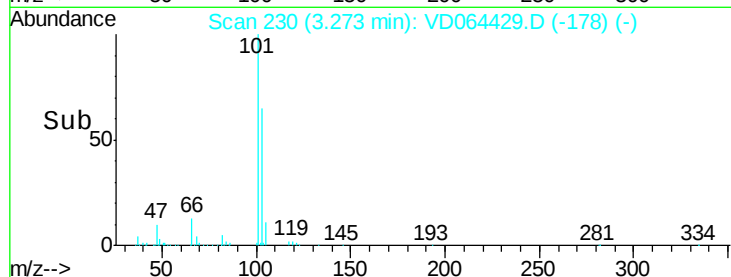
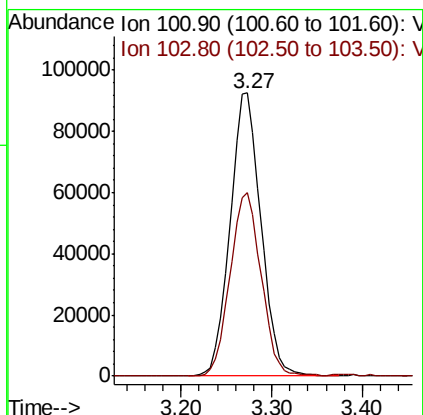
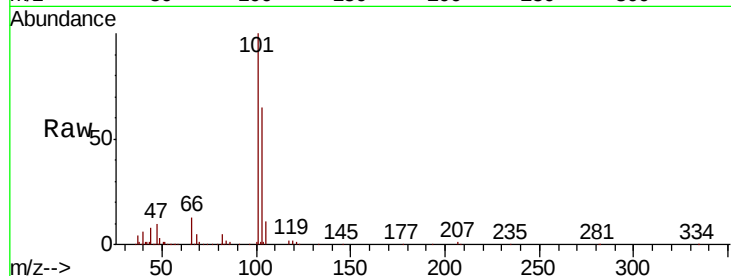
Trichlorofluoromethane
Concen: 21.059 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

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VD1205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	219284		
103	64.9	49.8	74.6	

Manual Integrations
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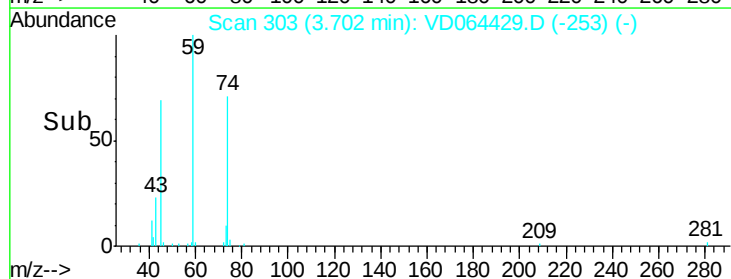
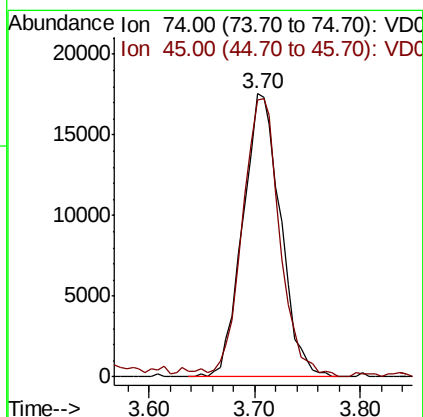
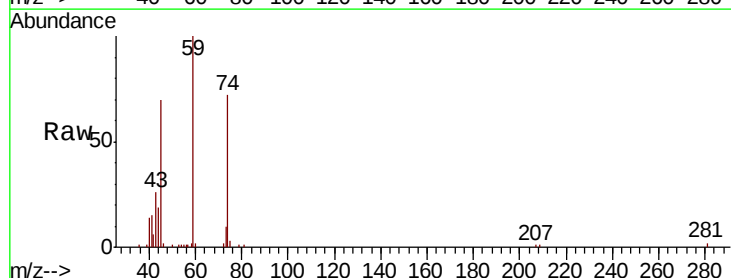
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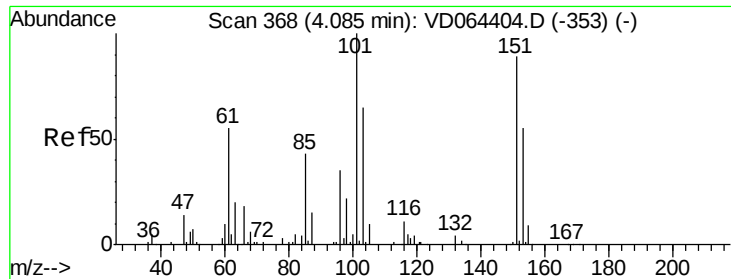


#8

Diethyl Ether
Concen: 20.056 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	43397		
45	97.8	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.138 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

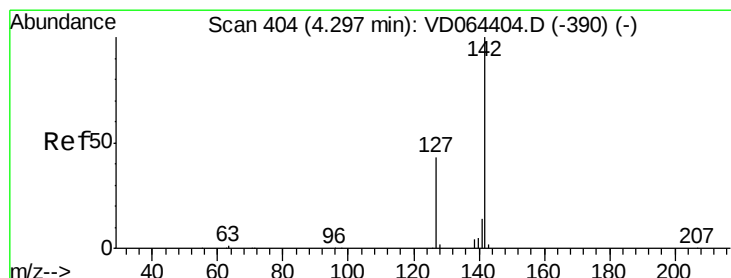
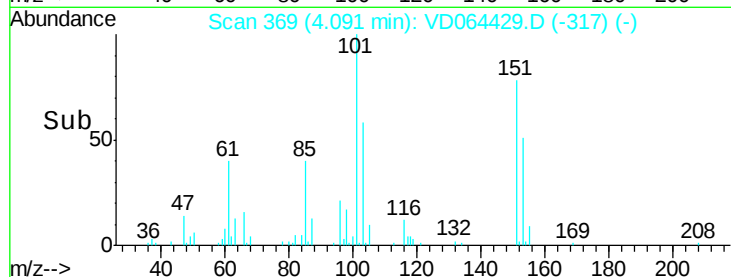
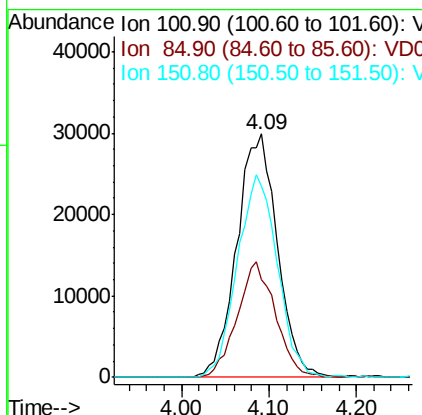
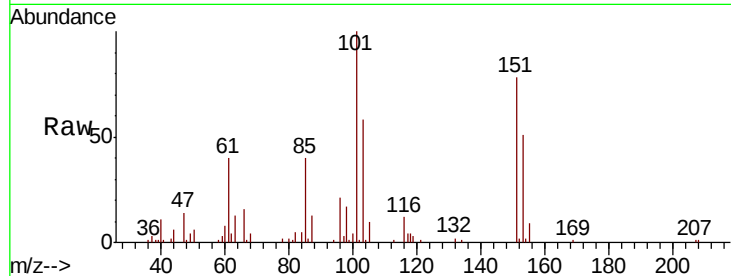
ClientSampleId :

VD1205SBS01

Tot Ion:	101	Resp:	94372
Ion Ratio	Lower	Upper	
101	100		
85	44.8	34.8	52.2
151	82.2	68.8	103.2

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#10

Methyl Iodide

Concen: 18.916 ug/l

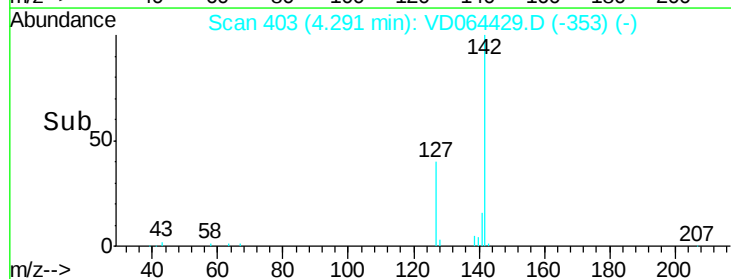
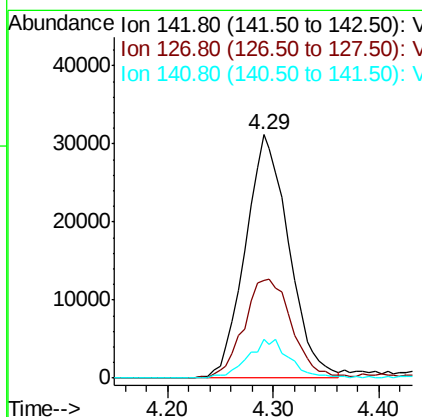
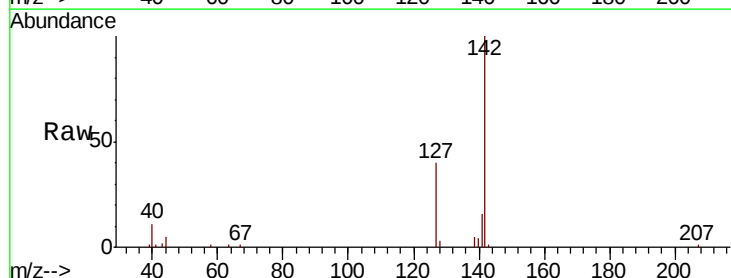
RT: 4.29 min Scan# 403

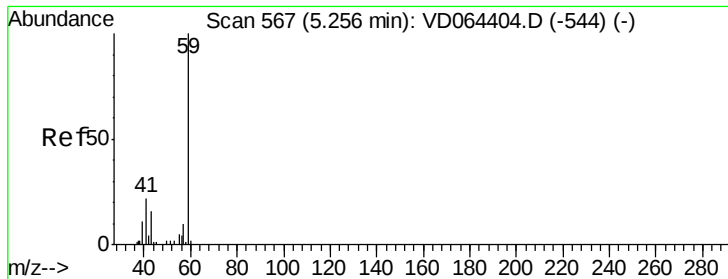
Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tgt Ion:	142	Resp:	89187
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.3	52.9
141	15.2	11.6	17.4





#11

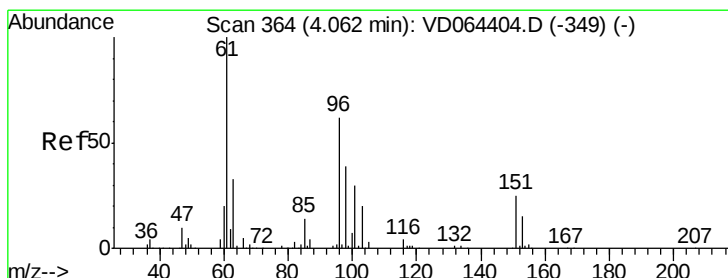
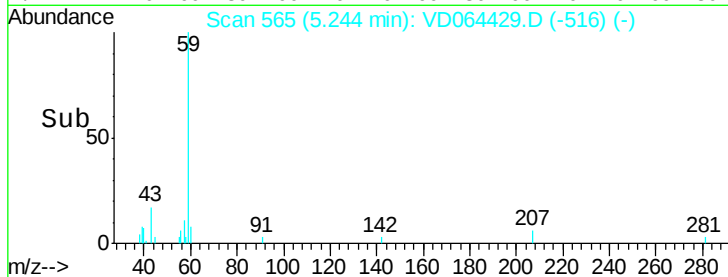
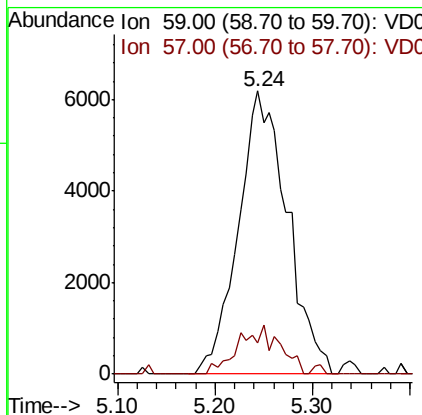
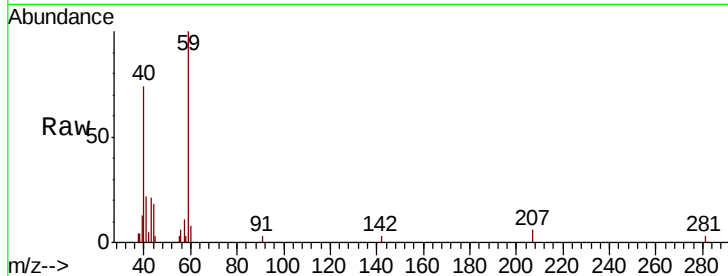
Tert butyl alcohol
Concen: 79.028 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.4	0.0	0.0#

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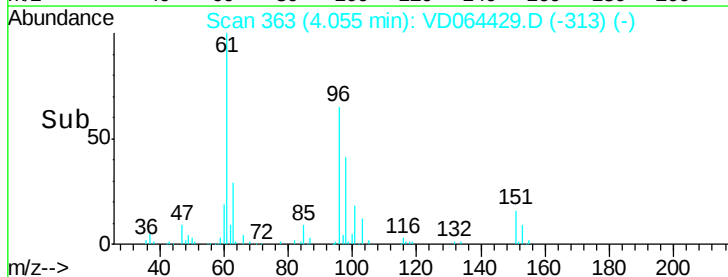
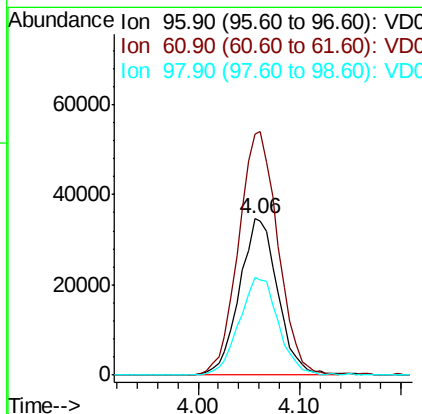
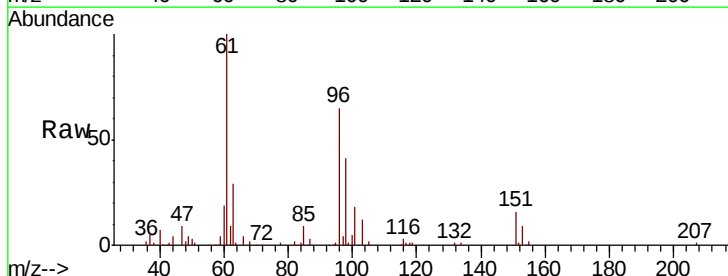
apatel
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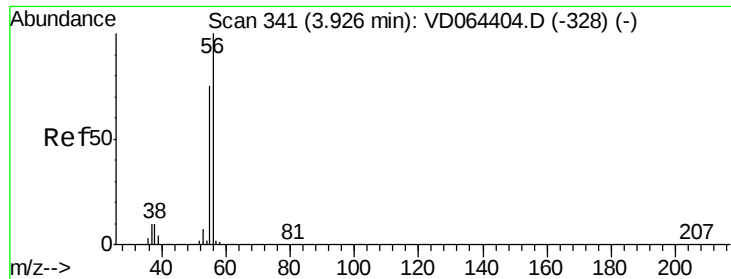


#12

1,1-Dichloroethene
Concen: 21.384 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.8	128.2	192.4
98	62.6	50.4	75.6





#13

Acrolein

Concen: 88.643 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 56 Resp: 33068

Ion Ratio Lower Upper

56 100

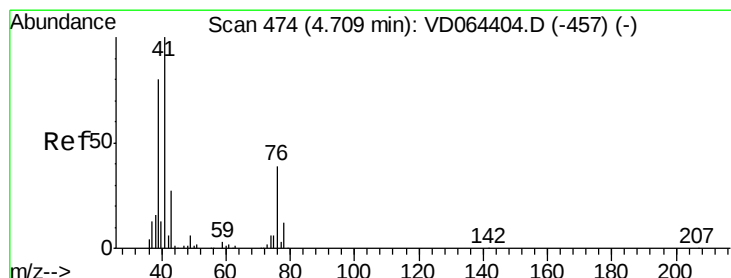
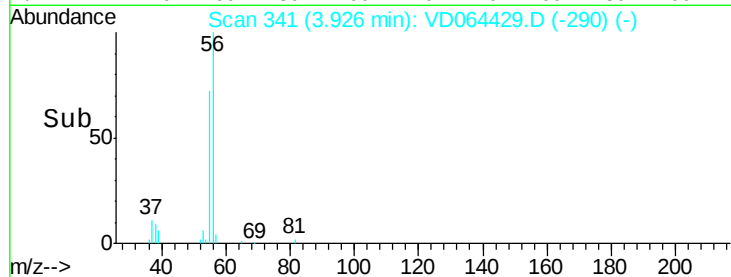
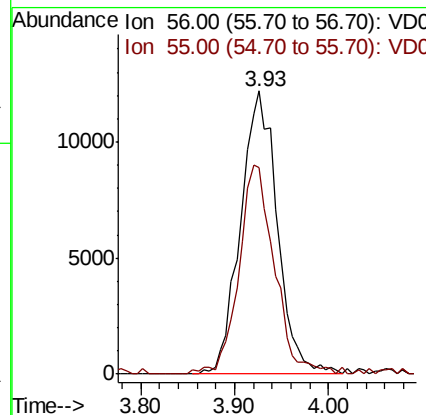
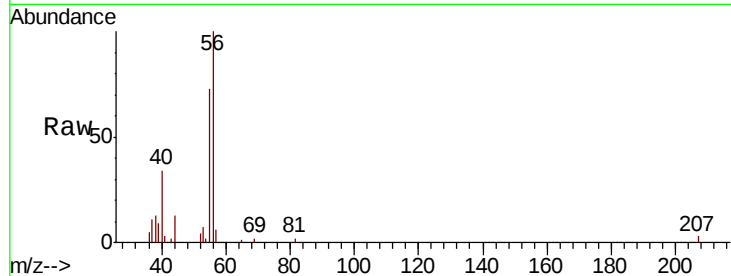
55 71.4 56.9 85.3

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#14

Allyl chloride

Concen: 21.434 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

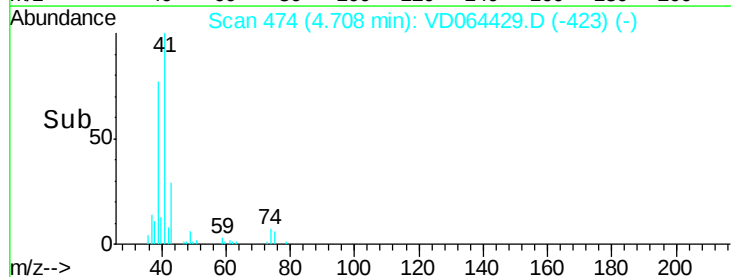
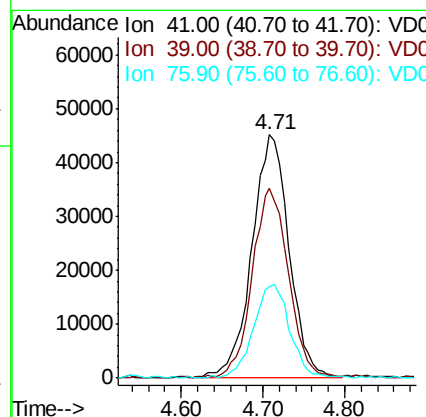
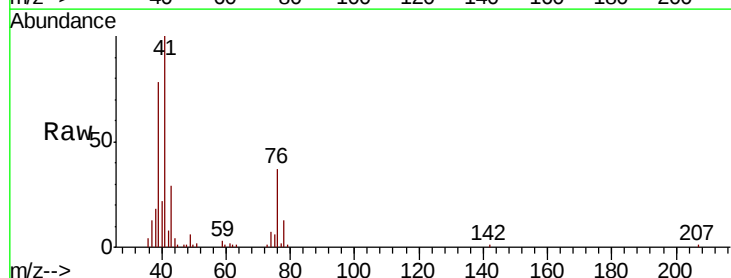
Tgt Ion: 41 Resp: 143122

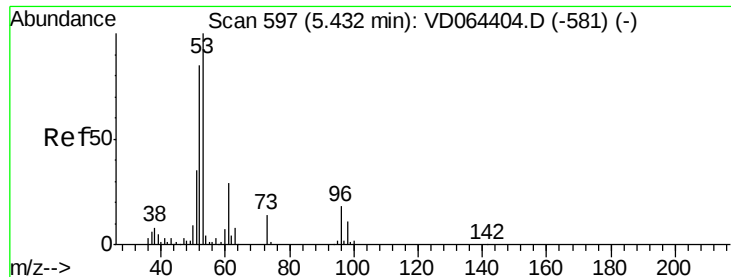
Ion Ratio Lower Upper

41 100

39 76.3 62.1 93.1

76 37.4 29.8 44.8





#15

Acrylonitrile

Concen: 94.570 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

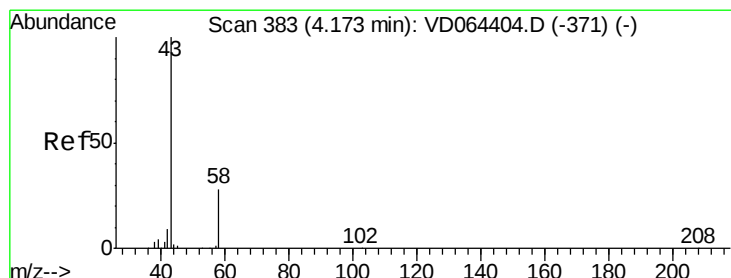
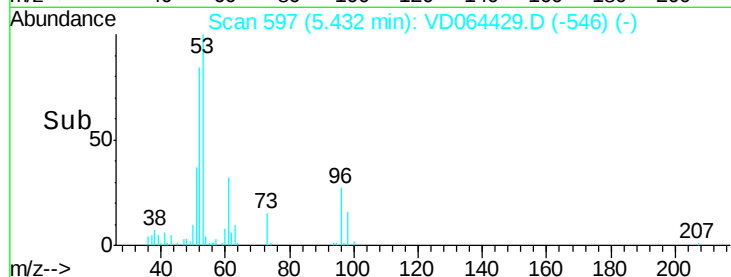
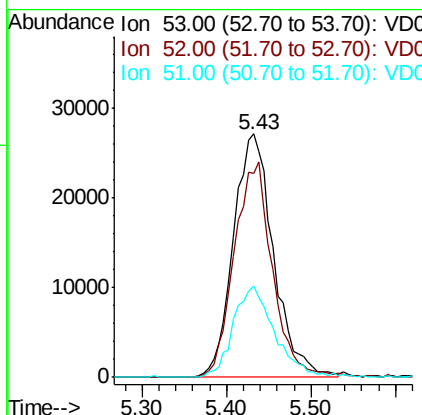
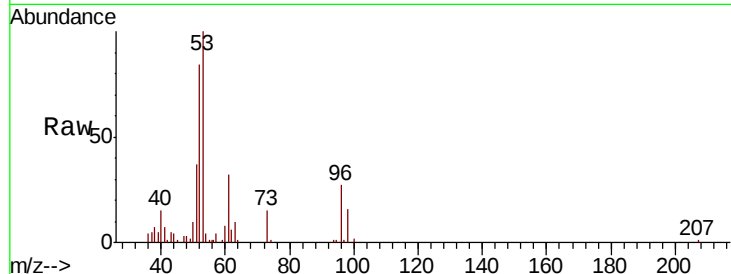
ClientSampleId :

VD1205SBS01

Tot Ion:	53	Resp:	89481
Ion	Ratio	Lower	Upper
53	100		
52	84.4	67.9	101.9
51	38.2	30.6	45.8

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#16

Acetone

Concen: 89.813 ug/l

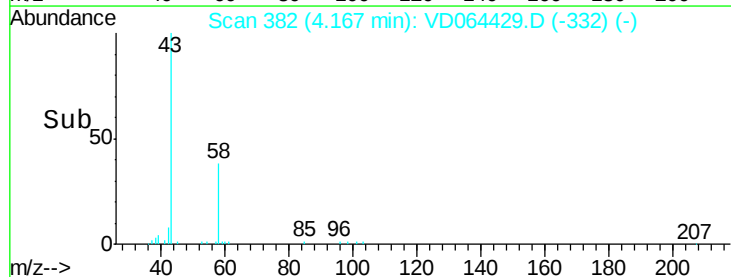
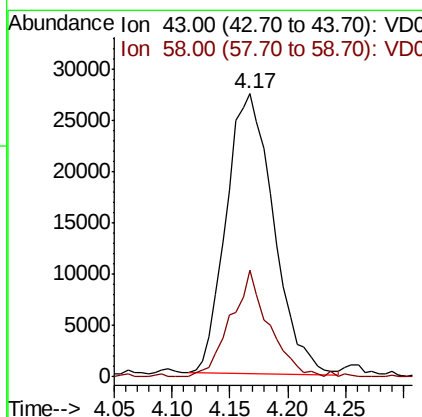
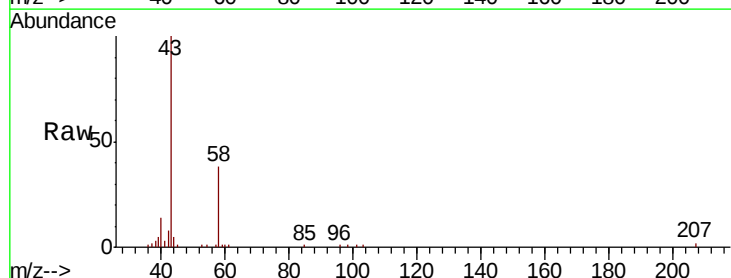
RT: 4.17 min Scan# 382

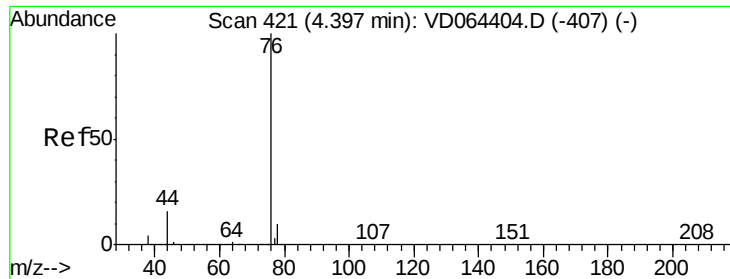
Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tgt Ion:	43	Resp:	77980
Ion	Ratio	Lower	Upper
43	100		
58	38.1	22.6	33.8#





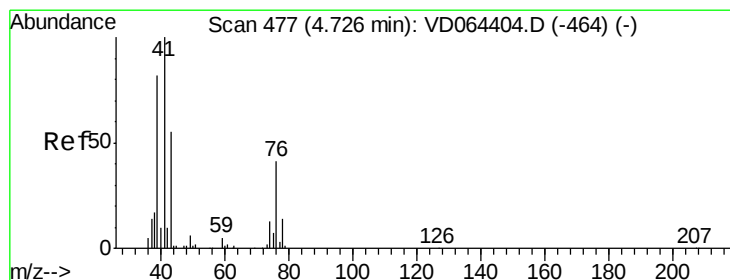
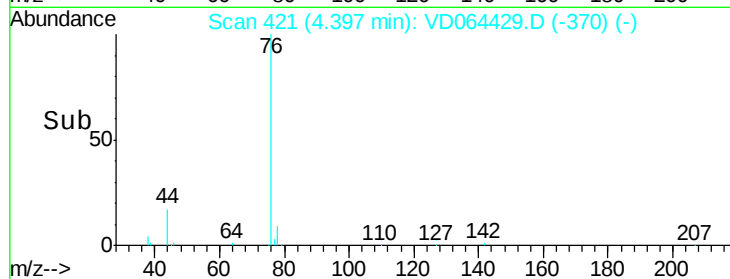
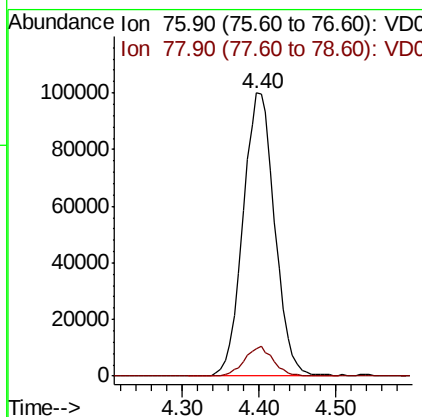
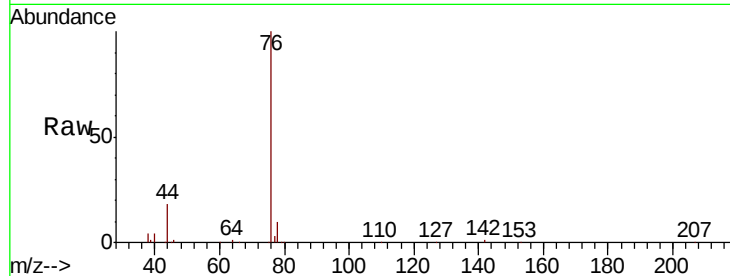
#17
Carbon Disulfide
Concen: 21.272 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	288255		
78	9.5		7.8	11.8

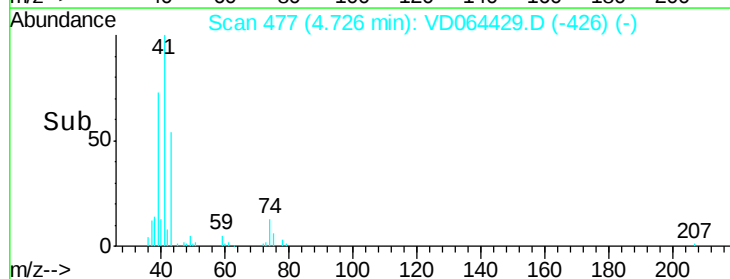
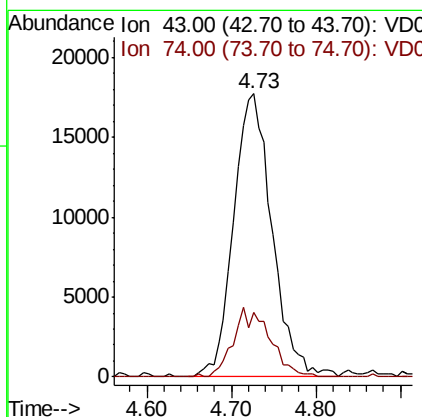
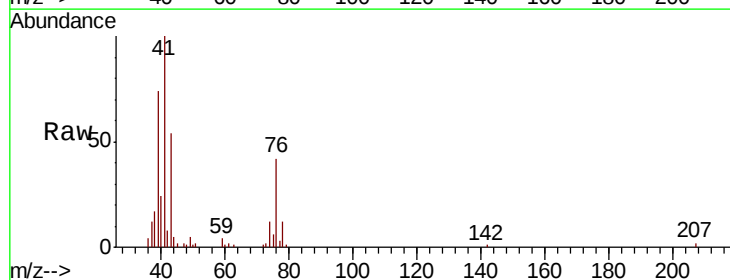
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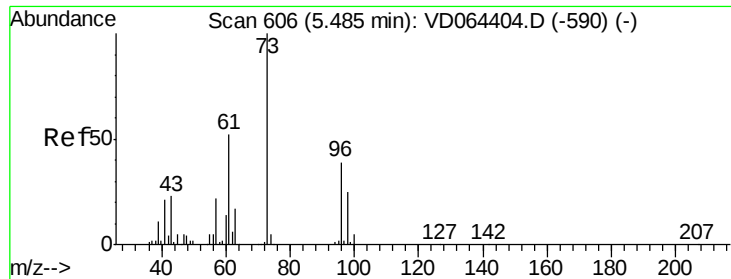
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#18
Methyl Acetate
Concen: 22.073 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	55901		
74	10.3		19.7	29.5#





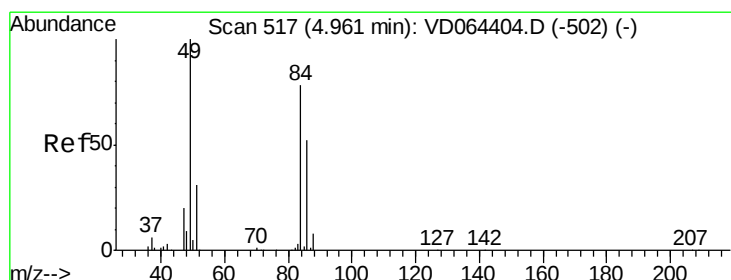
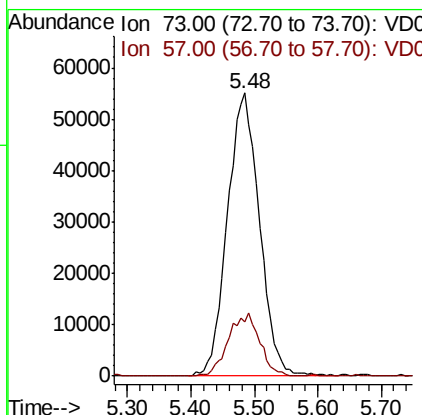
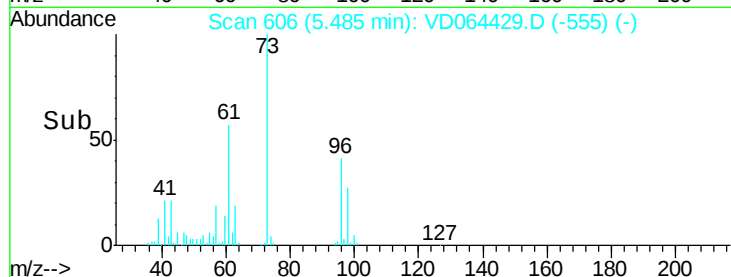
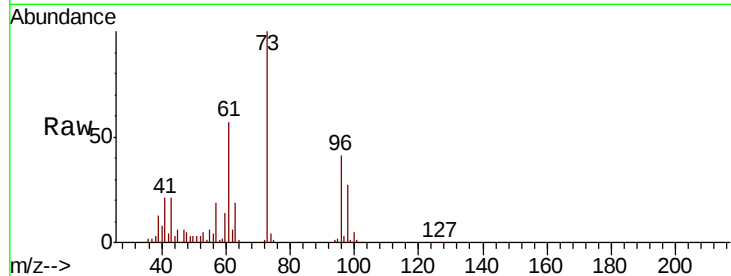
#19
Methvl tert-butvl Ether
Concen: 19.578 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion: 73 Resp: 192149
Ion Ratio Lower Upper
73 100
57 19.2 17.6 26.4

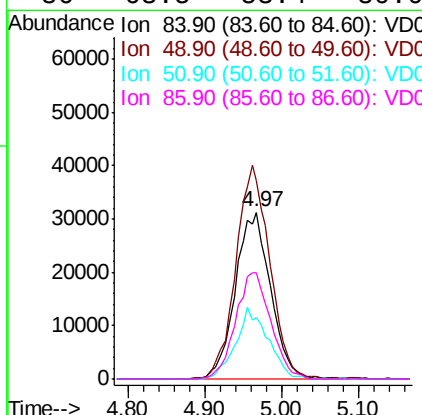
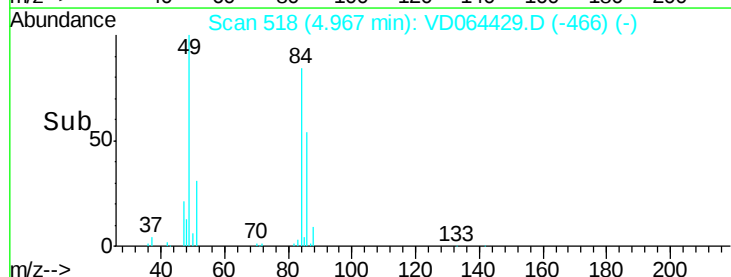
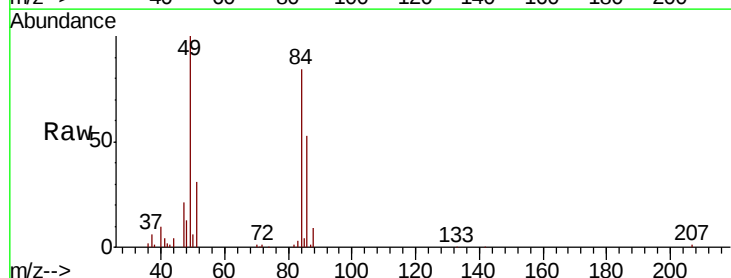
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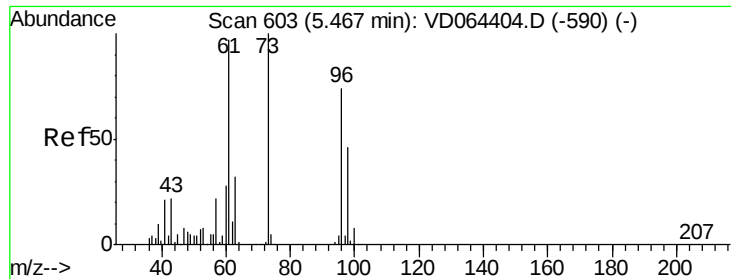
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#20
Methylene Chloride
Concen: 19.994 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 84 Resp: 99978
Ion Ratio Lower Upper
84 100
49 119.1 102.6 153.8
51 37.0 32.0 48.0
86 63.5 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 20.992 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

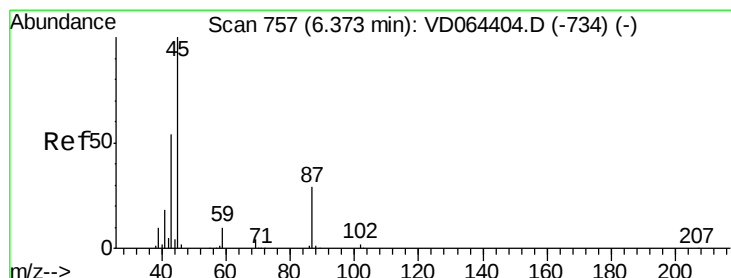
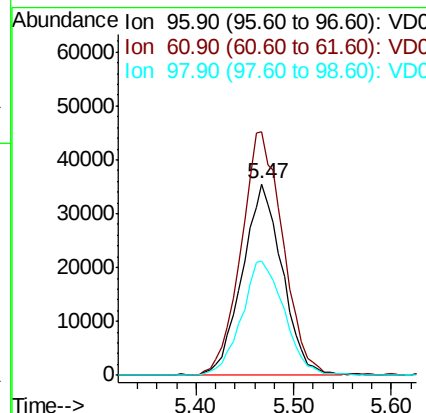
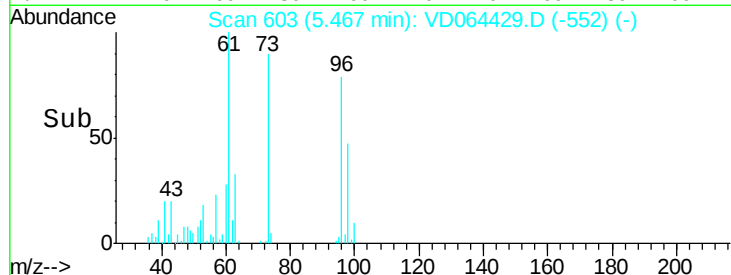
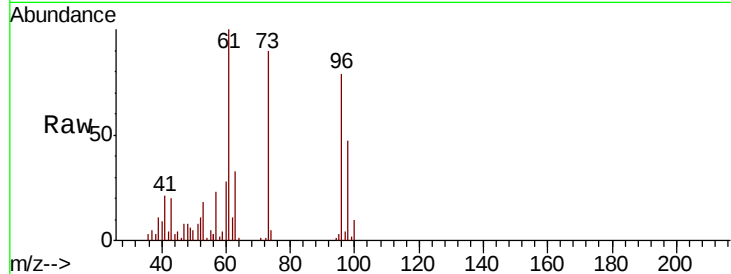
ClientSampleId :

VD1205SBS01

Tot Ion:	96	Resp:	101593
Ion	Ratio	Lower	Upper
96	100		
61	126.8	105.8	158.6
98	59.5	50.1	75.1

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#22

Diisopropyl ether

Concen: 20.646 ug/l

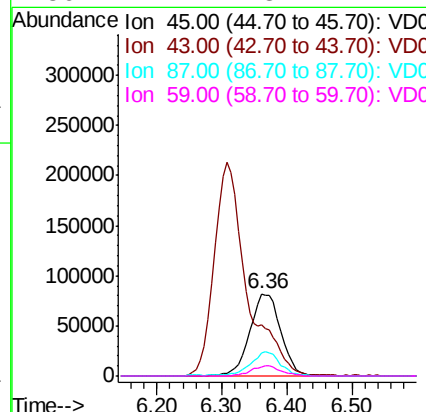
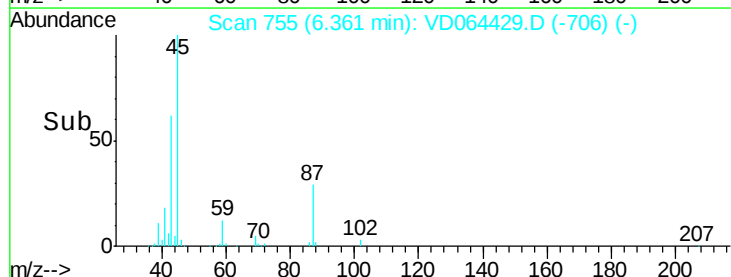
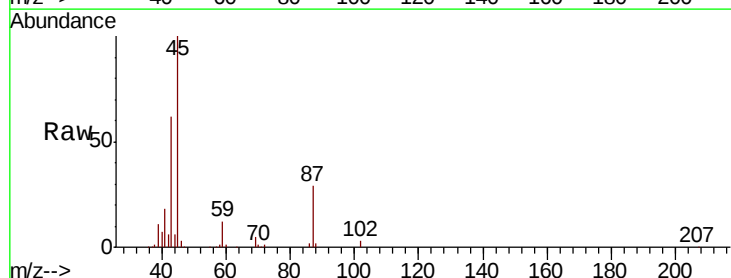
RT: 6.36 min Scan# 755

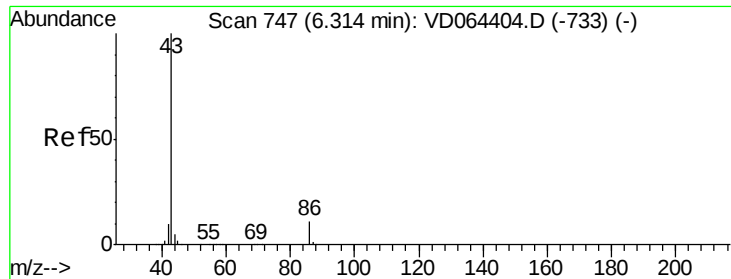
Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tgt Ion:	45	Resp:	272152
Ion	Ratio	Lower	Upper
45	100		
43	61.4	43.1	64.7
87	28.6	23.5	35.3
59	11.7	8.2	12.2





#23

Vinyl Acetate

Concen: 95.825 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tot Ion: 43 Resp: 744658

Ion Ratio Lower Upper

43 100

86 11.0 8.9 13.3

Instrument :

MSVOA_D

ClientSampleId :

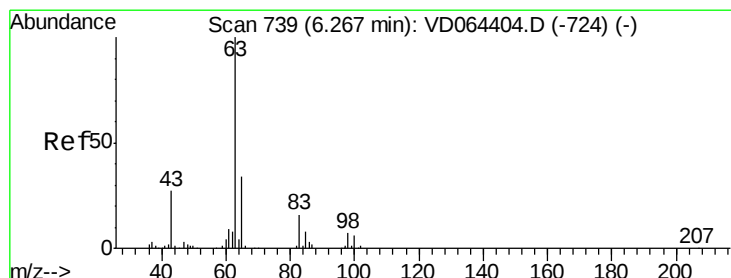
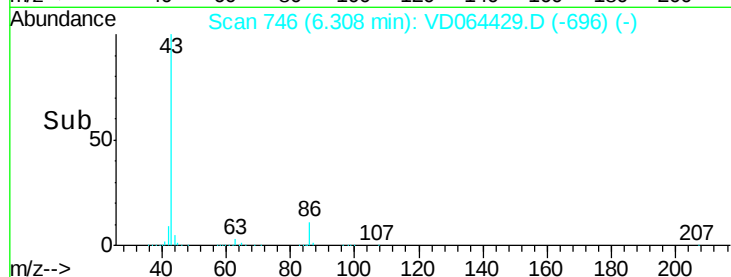
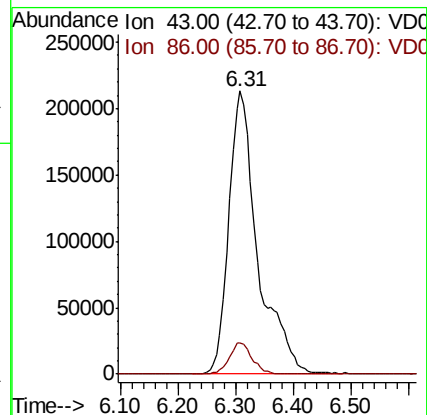
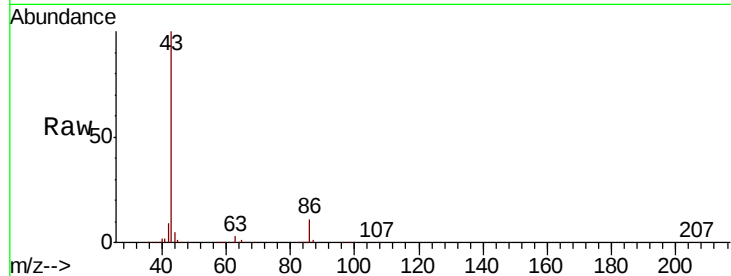
VD1205SBS01

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#24

1,1-Dichloroethane

Concen: 21.401 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

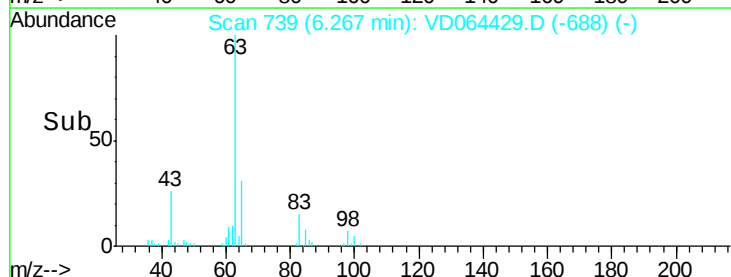
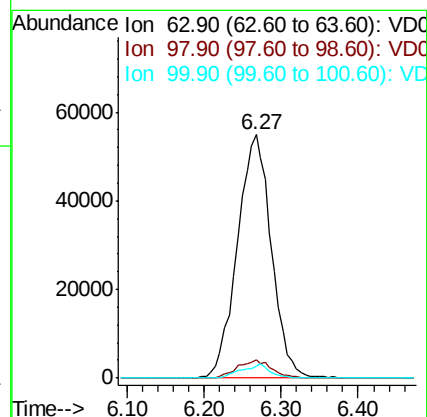
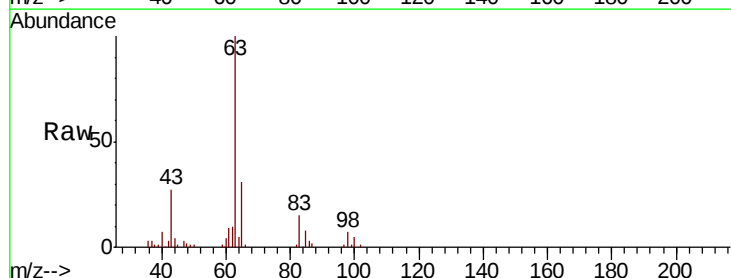
Tgt Ion: 63 Resp: 169650

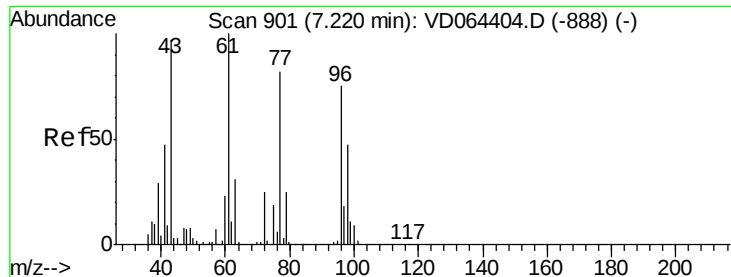
Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 5.0 2.9 8.6





#25

2-Butanone

Concen: 87.754 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 43 Resp: 107751

Ion Ratio Lower Upper

43 100

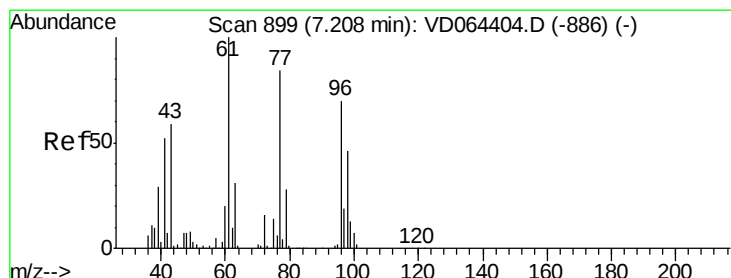
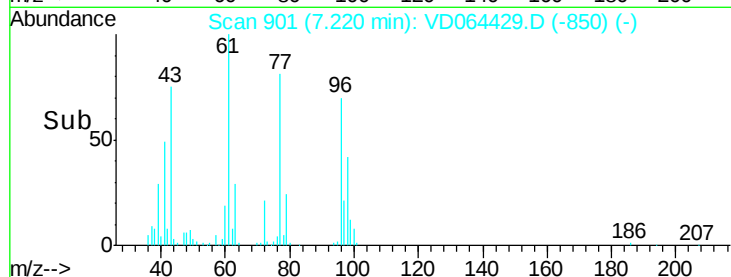
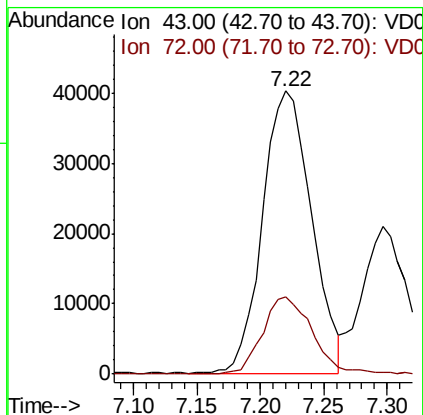
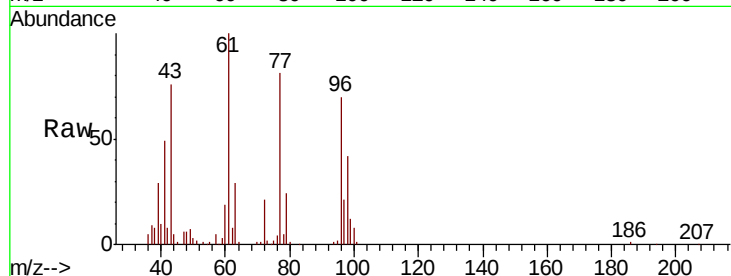
72 27.6 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 22.102 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064429.D

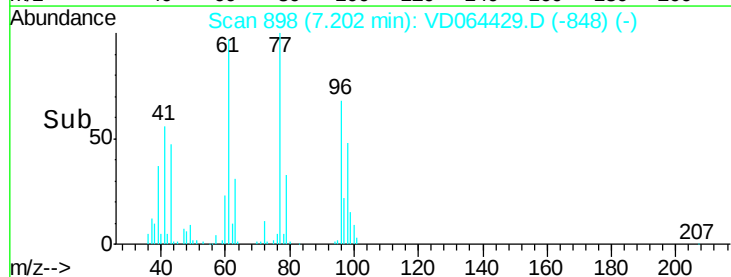
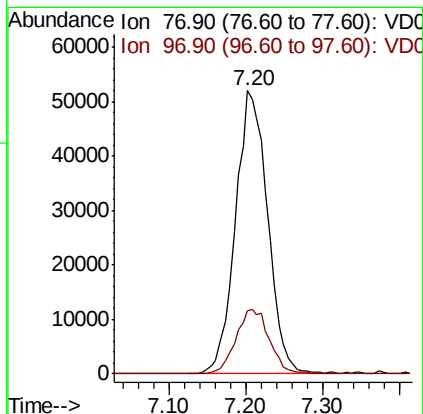
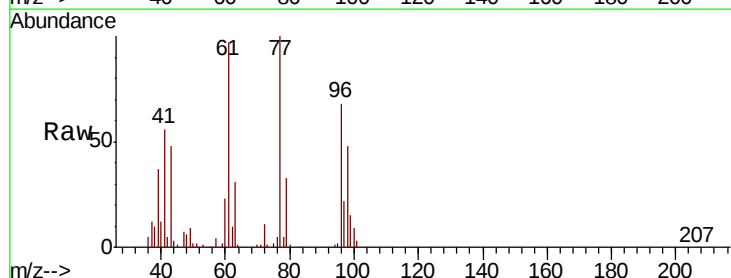
Acq: 05 Dec 2019 11:47

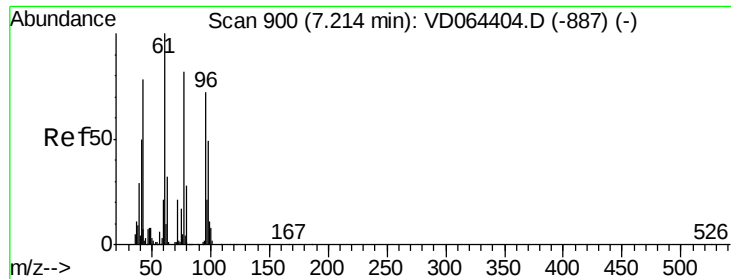
Tgt Ion: 77 Resp: 152370

Ion Ratio Lower Upper

77 100

97 23.4 11.6 34.7





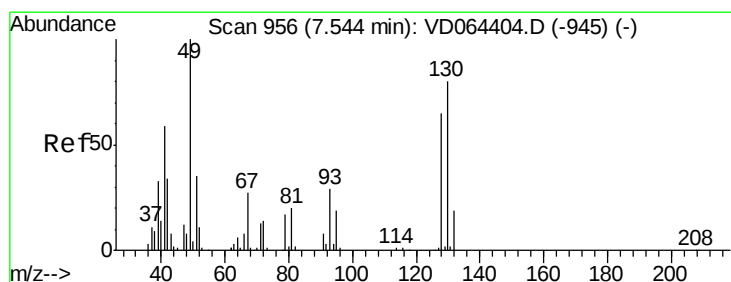
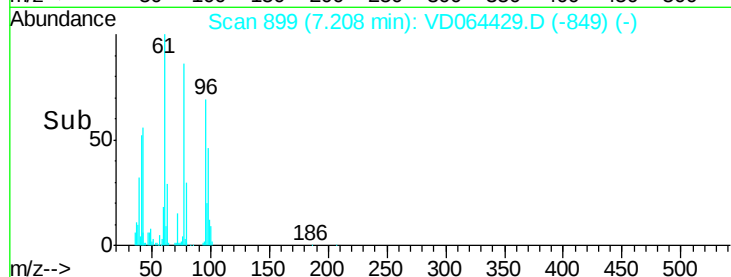
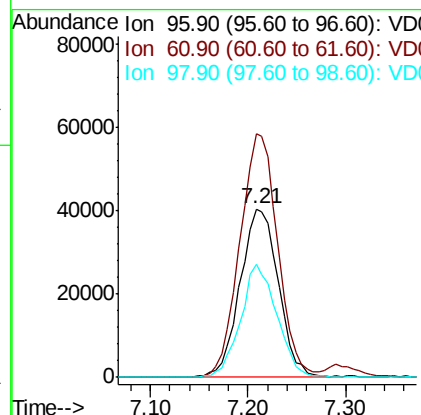
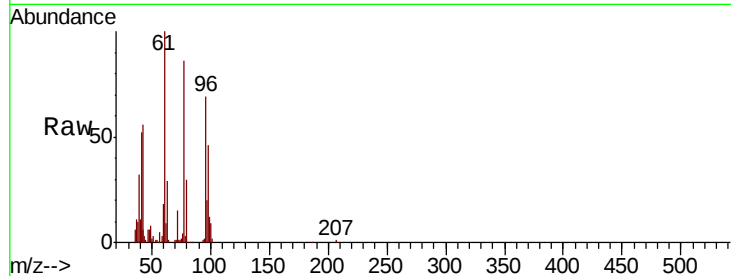
#27
 cis-1,2-Dichloroethene
 Concen: 20.877 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.9	0.0	279.6	
98	63.7	0.0	129.2	

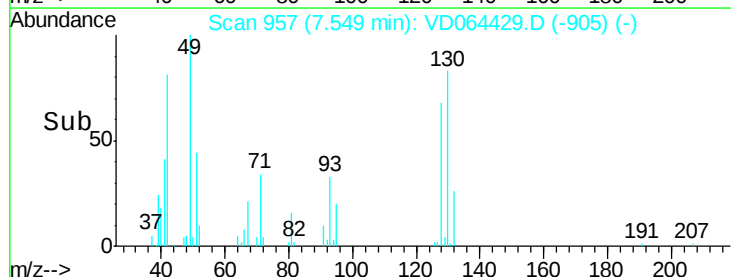
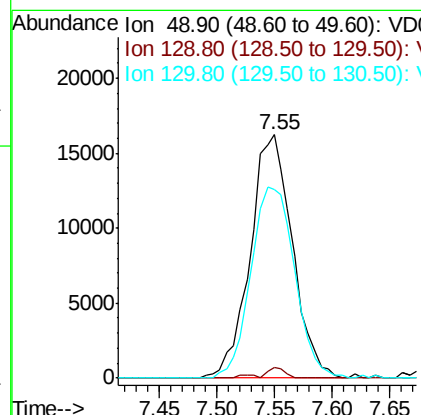
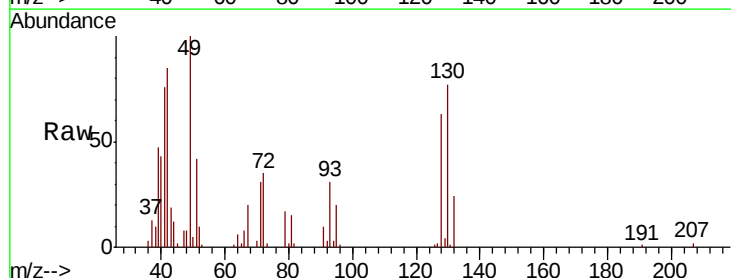
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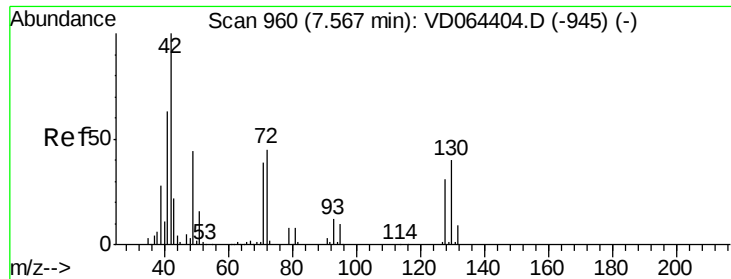
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#28
 Bromochloromethane
 Concen: 15.216 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.4	
130	81.8	67.4	101.0	





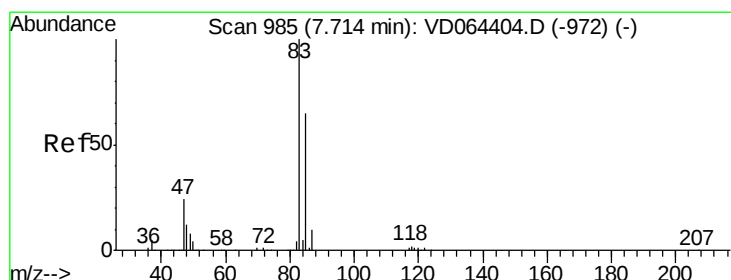
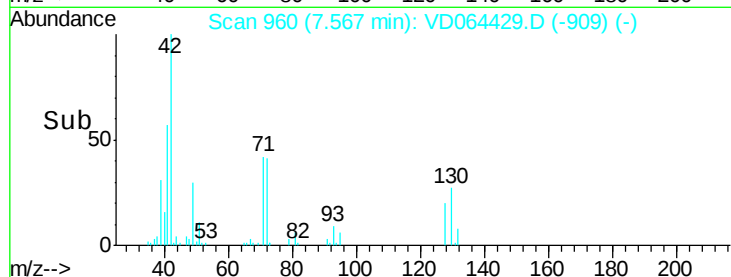
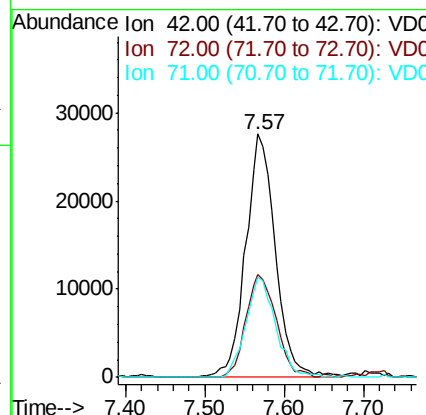
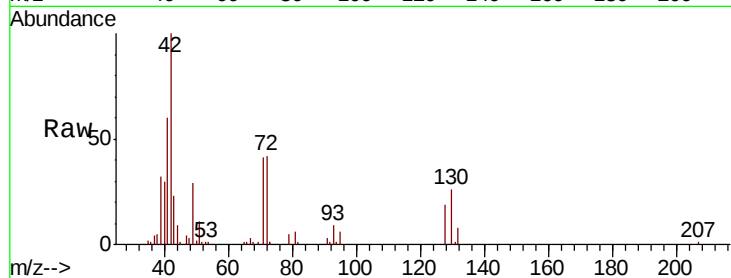
#29
Tetrahydrofuran
Concen: 92.383 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	35.8	53.8
71	41.0	32.7	49.1

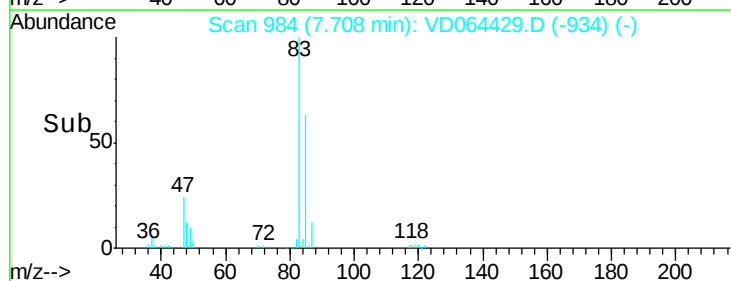
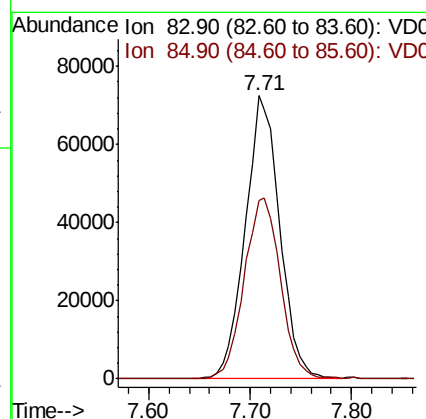
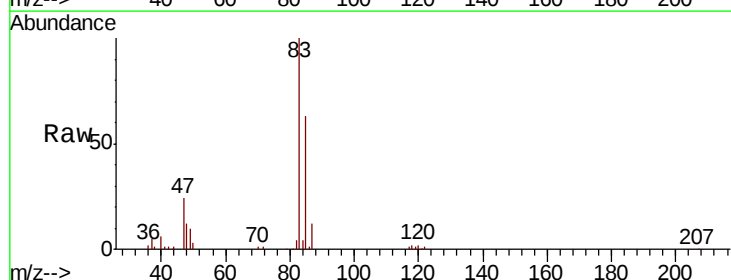
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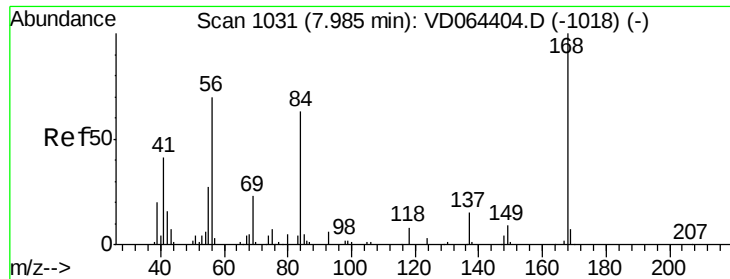
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#30
Chloroform
Concen: 20.902 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.6





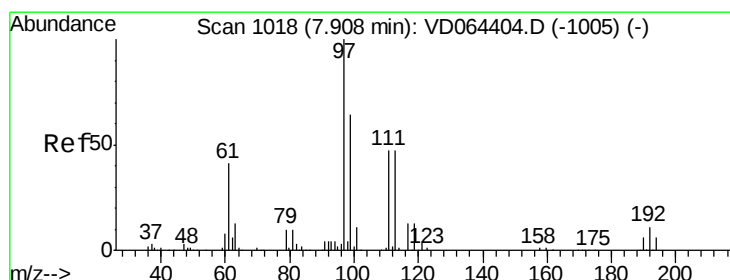
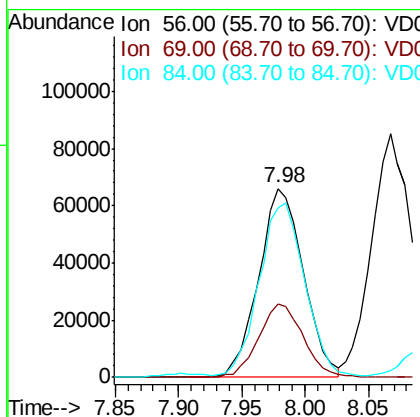
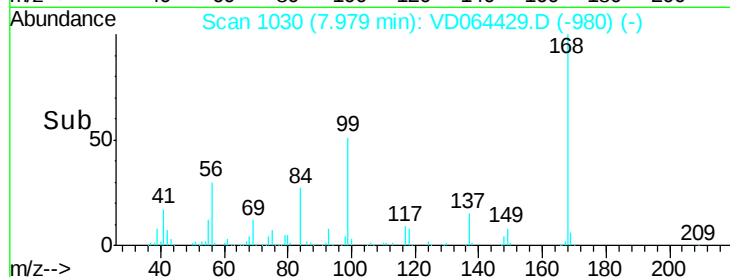
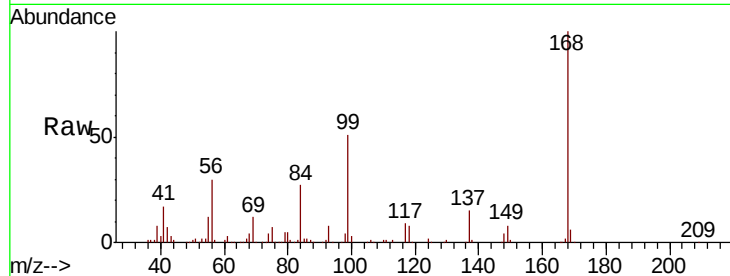
#31
Cyclohexane
Concen: 20.769 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	26.2	39.4
84	88.5	70.3	105.5

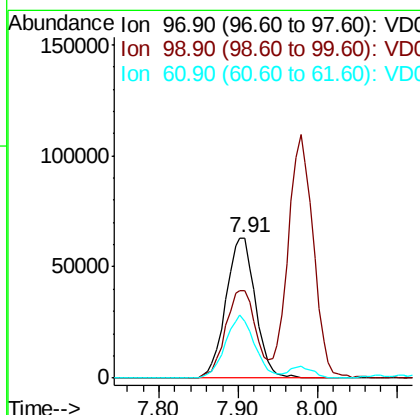
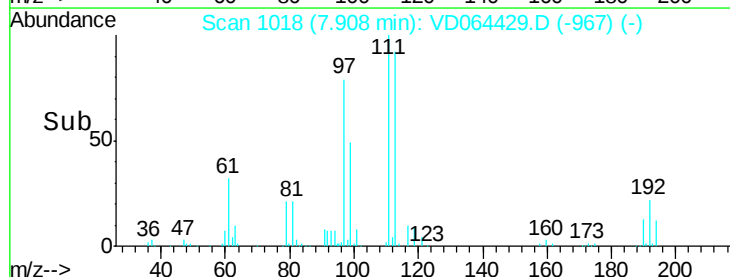
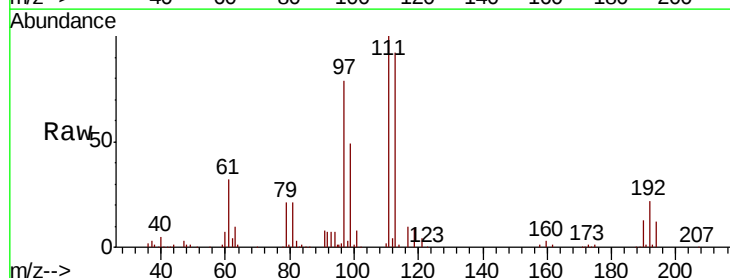
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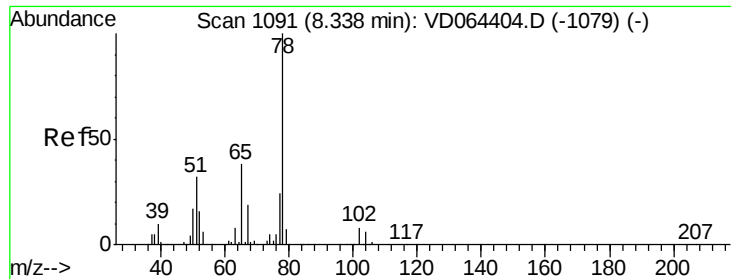
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#32
1,1,1-Trichloroethane
Concen: 21.412 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.4	77.2
61	44.2	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 47.304 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 65 Resp: 203245

Ion Ratio Lower Upper

65 100

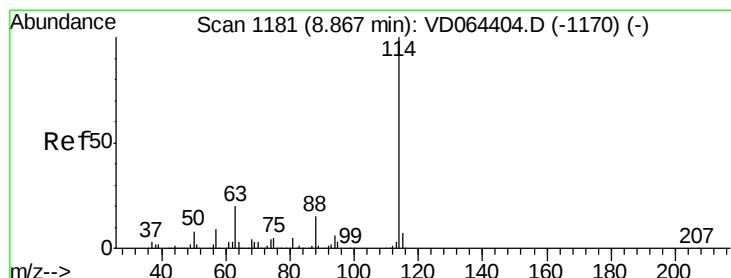
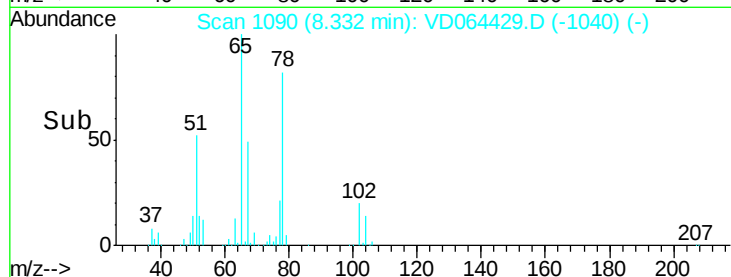
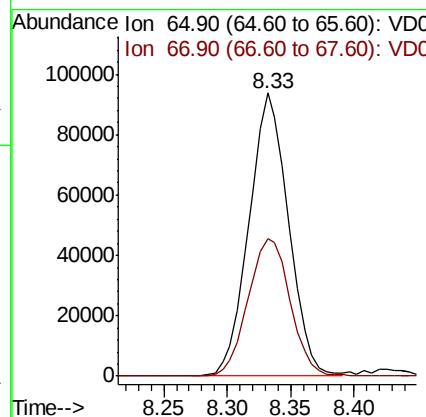
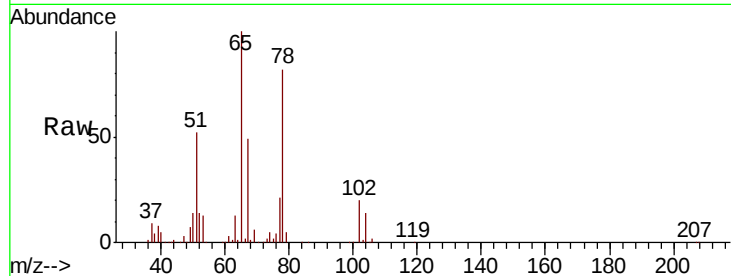
67 51.9 0.0 102.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

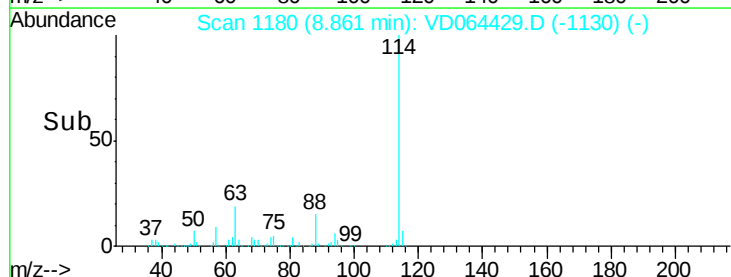
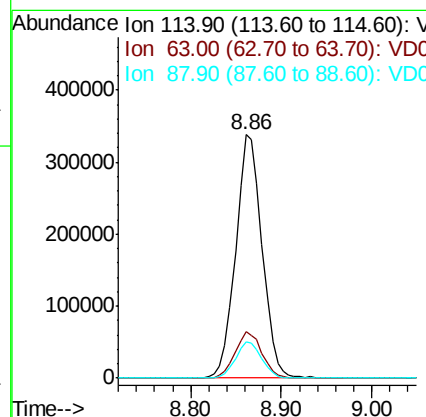
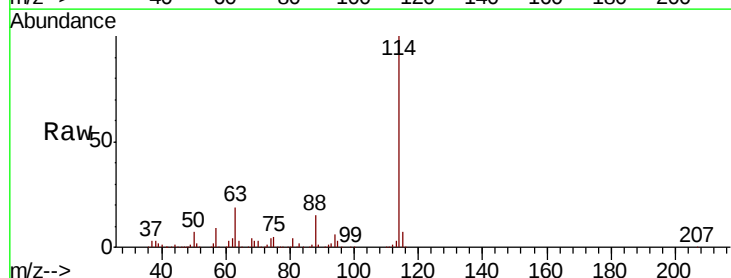
Tgt Ion: 114 Resp: 684391

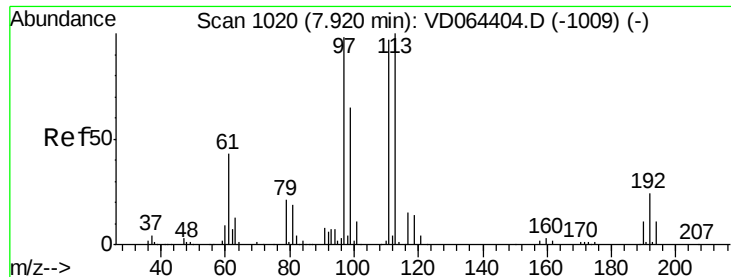
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 15.0 0.0 29.2





#35

Dibromofluoromethane

Concen: 48.989 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

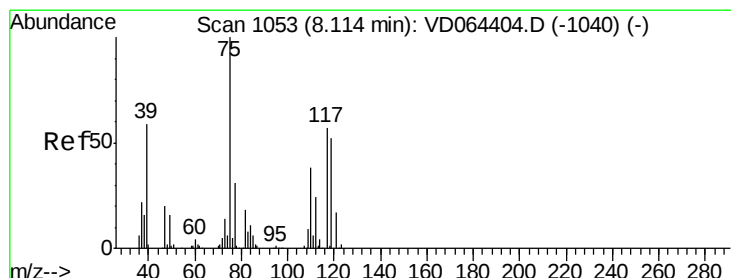
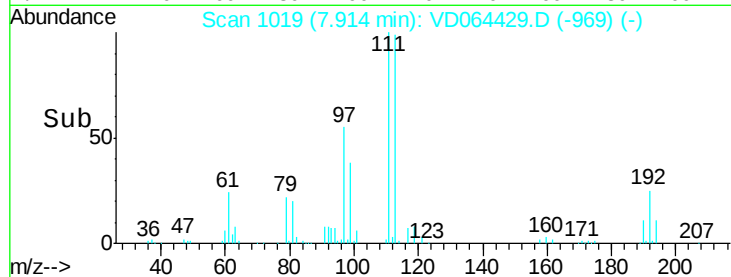
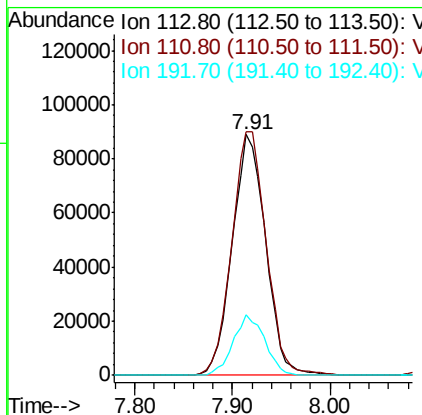
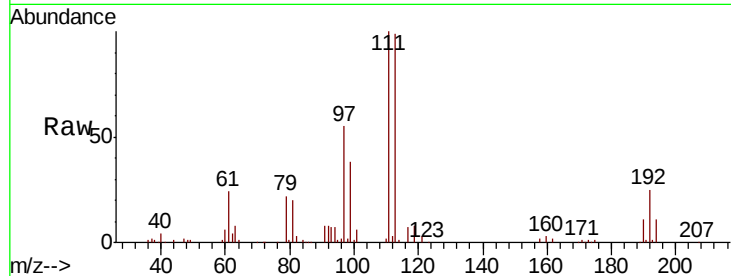
ClientSampleId :

VD1205SBS01

Tot Ion:	113	Resp:	211242
Ion Ratio	Lower	Upper	
113	100		
111	104.4	79.4	119.2
192	23.8	18.6	28.0

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#36

1,1-Dichloropropene

Concen: 21.248 ug/l

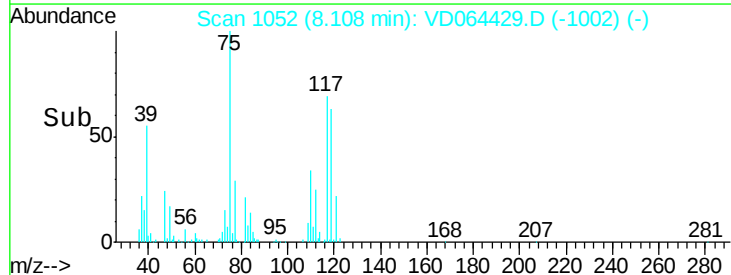
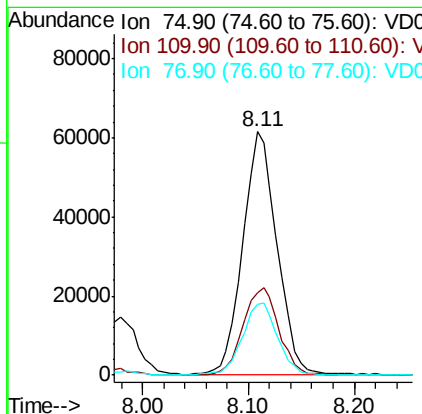
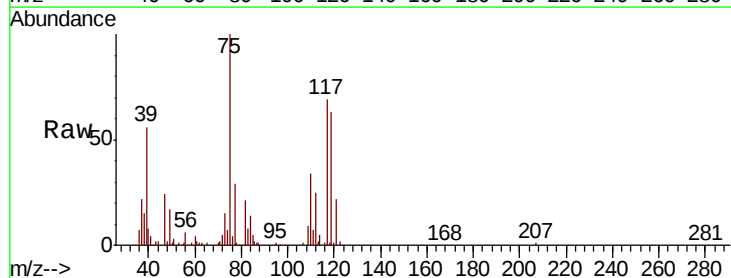
RT: 8.11 min Scan# 1052

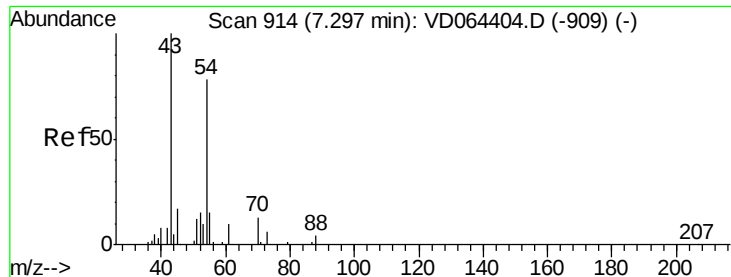
Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tgt Ion:	75	Resp:	137545
Ion Ratio	Lower	Upper	
75	100		
110	37.6	18.6	55.8
77	30.8	25.0	37.4





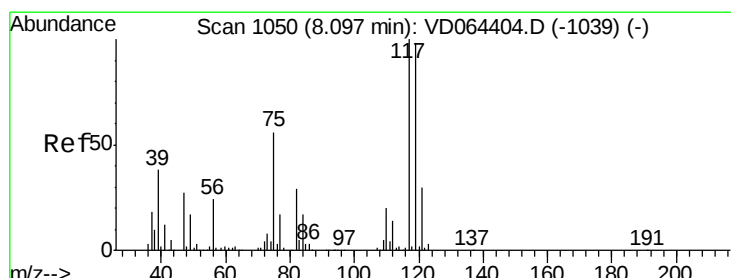
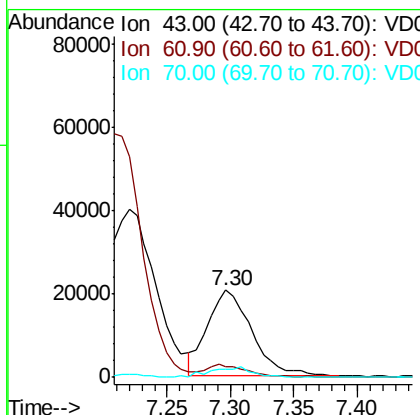
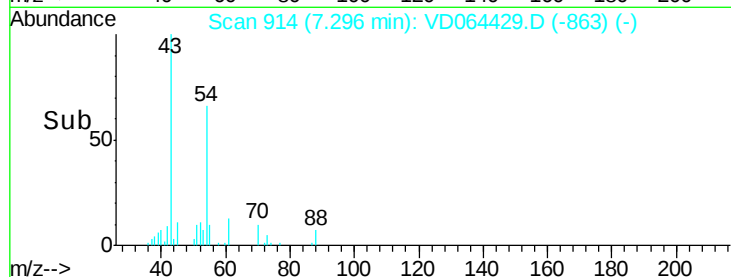
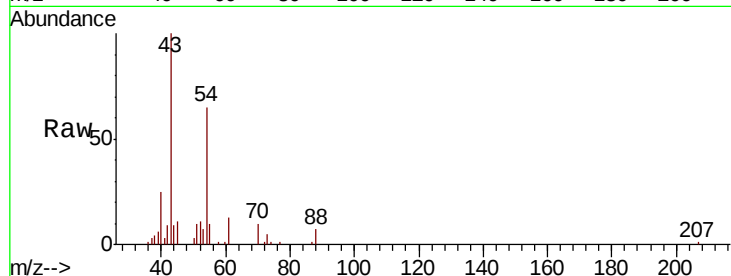
#37
Ethyl Acetate
Concen: 18.334 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	12.1	8.3	12.5

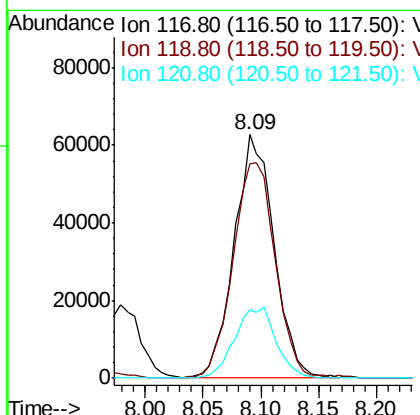
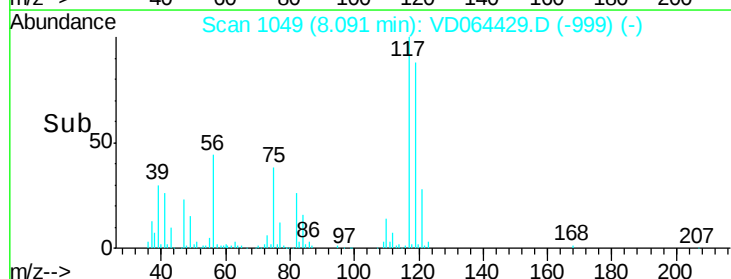
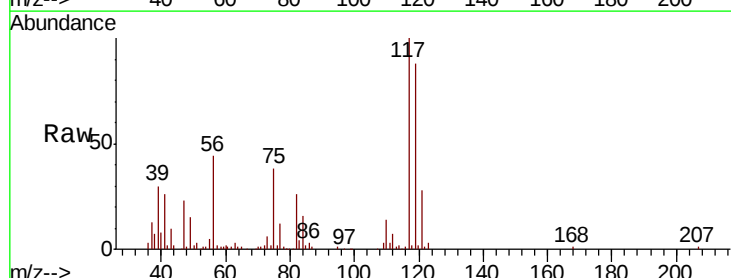
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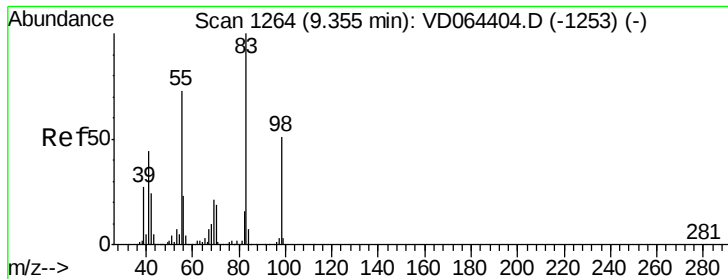
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#38
Carbon Tetrachloride
Concen: 22.021 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.7	78.8	118.2
121	28.1	24.2	36.2





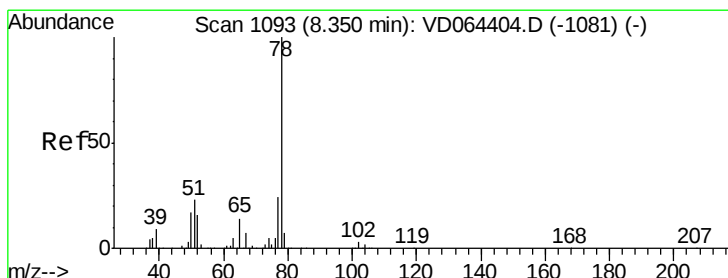
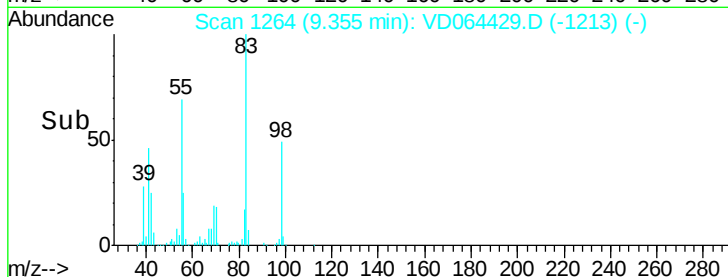
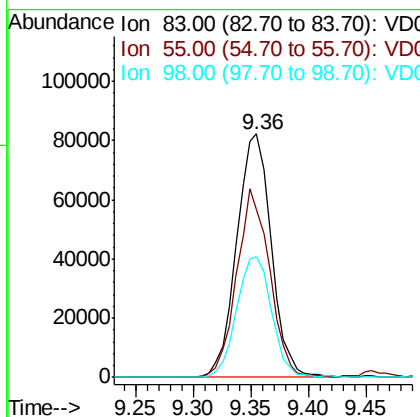
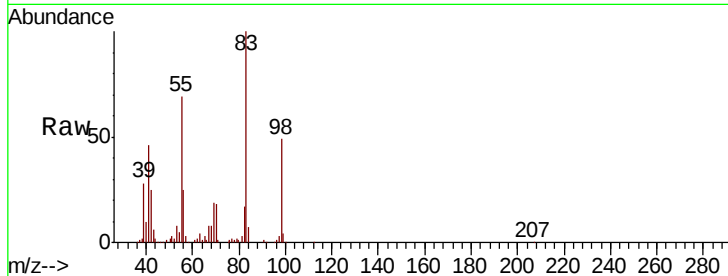
#39
Methvlcvclohexane
Concen: 21.349 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	58.6	87.8
98	49.4	40.9	61.3

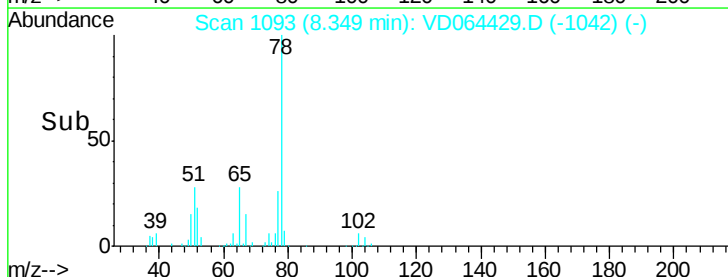
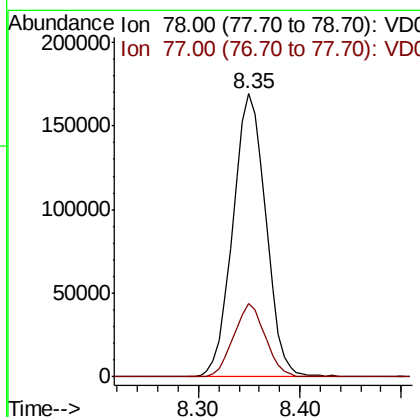
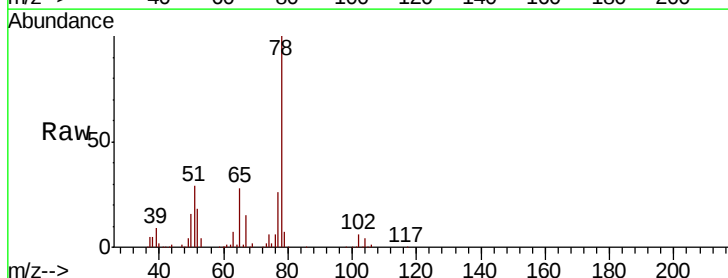
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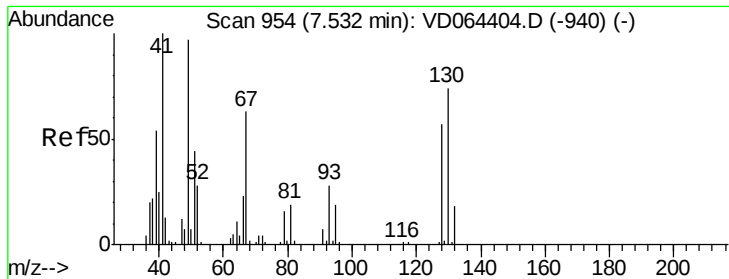
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#40
Benzene
Concen: 21.237 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.6	29.4





#41

Methacrylonitrile

Concen: 17.188 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 41 Resp: 27076

Ion Ratio Lower Upper

41 100

39 67.1 44.6 67.0#

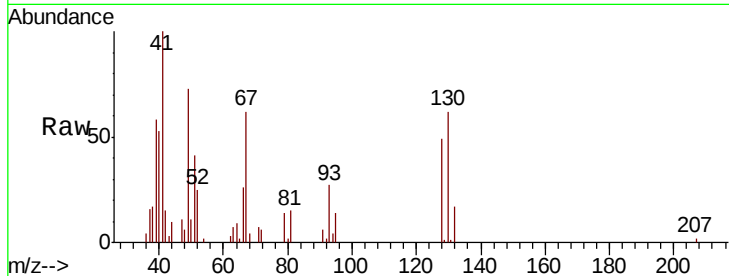
67 83.3 50.9 76.3#

52 35.8 22.5 33.7#

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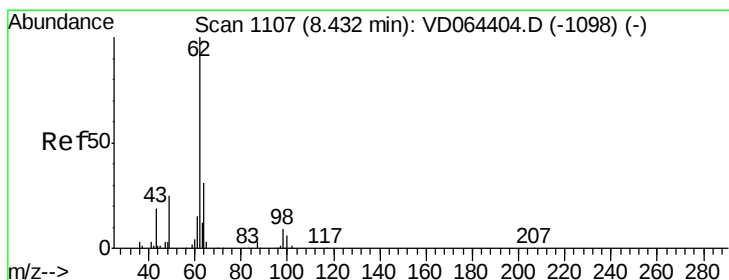
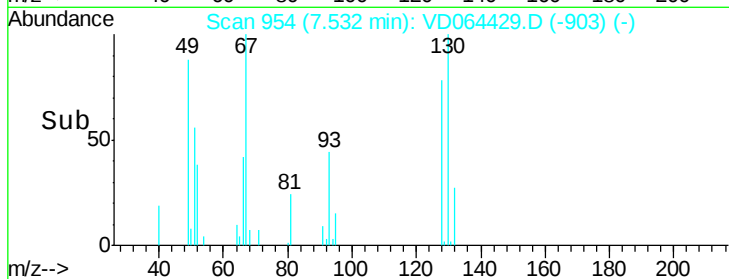
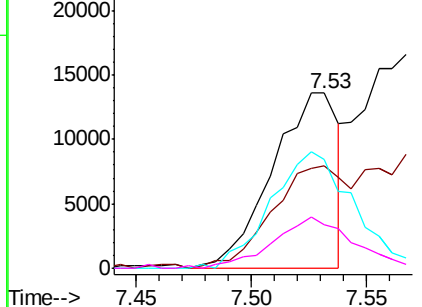


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.947 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064429.D

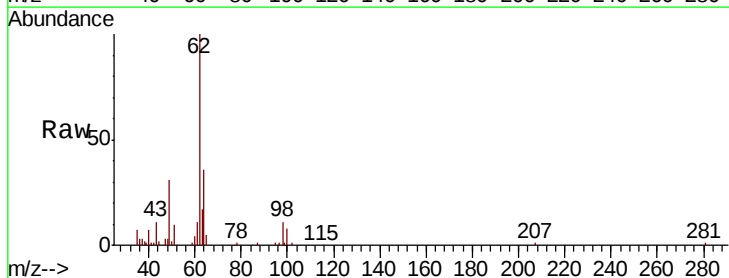
Acq: 05 Dec 2019 11:47

Tgt Ion: 62 Resp: 109829

Ion Ratio Lower Upper

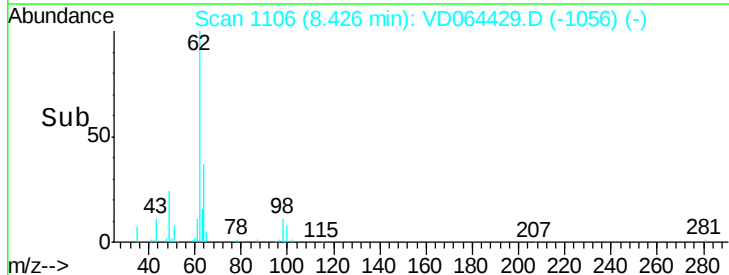
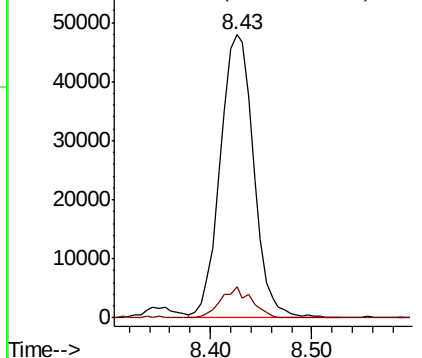
62 100

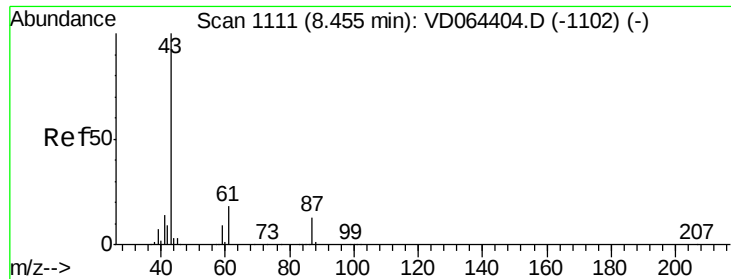
98 9.8 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





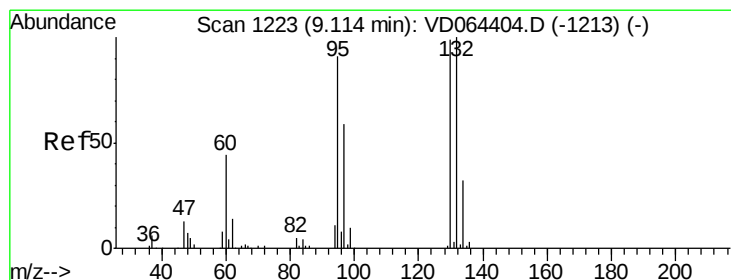
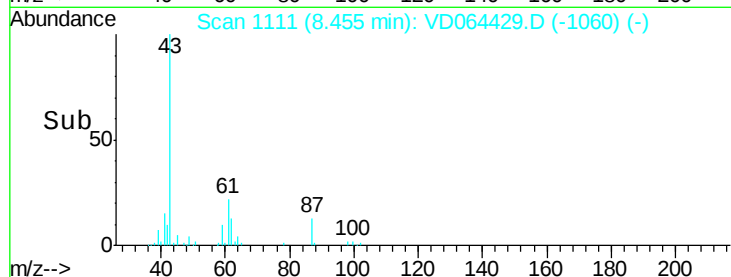
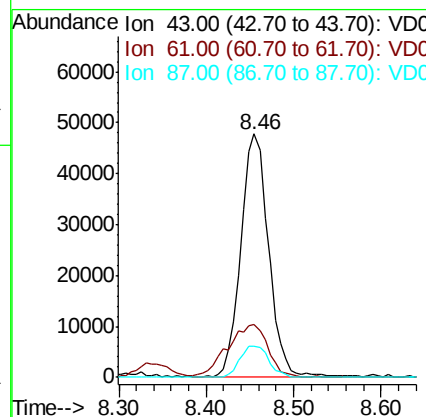
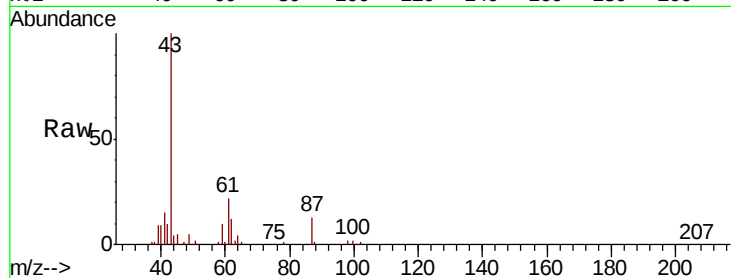
#43
Isopropyl Acetate
Concen: 18.950 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.8	24.0	36.0
87	13.1	10.6	15.8

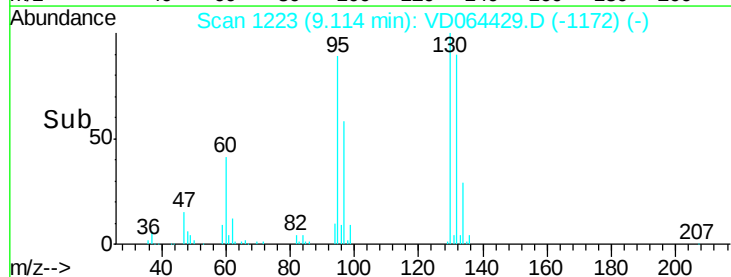
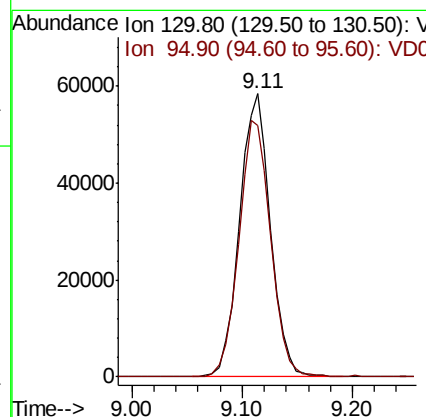
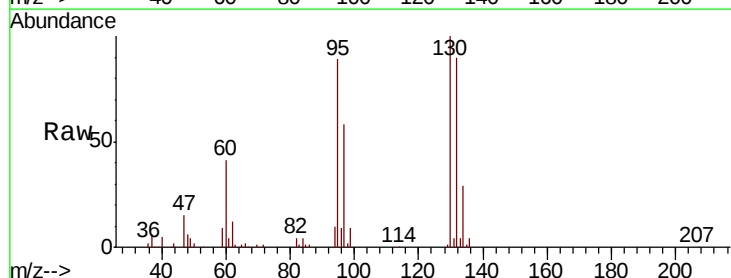
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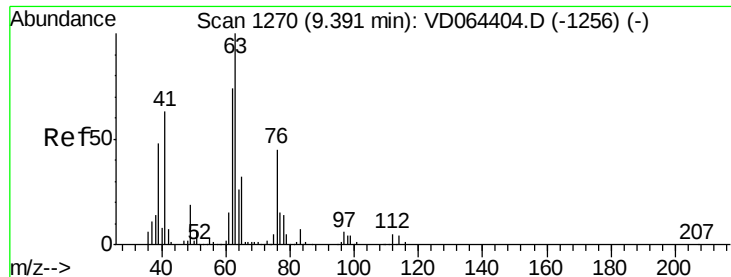
apatel
12/6/2019 12:59:13 PM



#44
Trichloroethene
Concen: 21.168 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.7	0.0	184.6





#45

1,2-Dichloropropane

Concen: 21.635 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 63 Resp: 93027

Ion Ratio Lower Upper

63 100

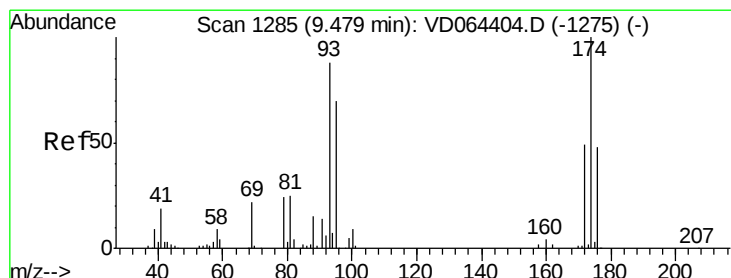
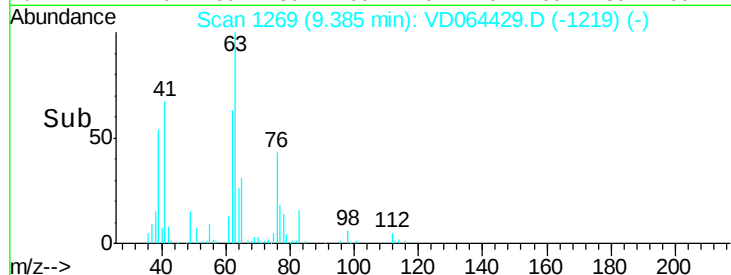
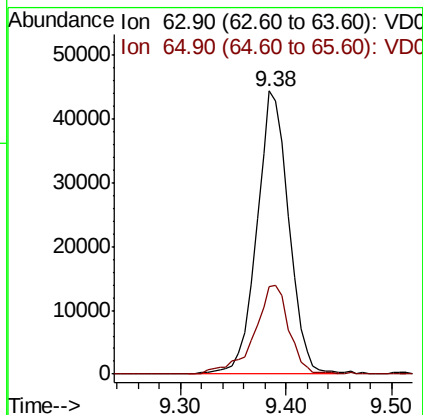
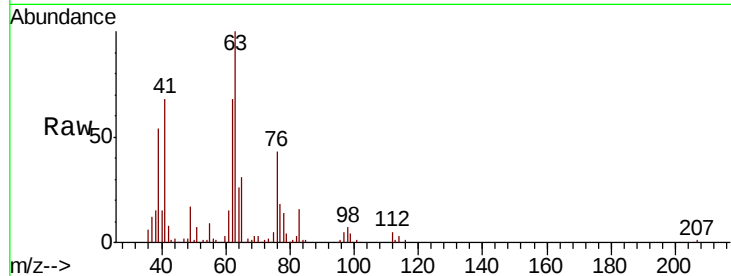
65 31.0 25.4 38.0

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#46

Dibromomethane

Concen: 20.084 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

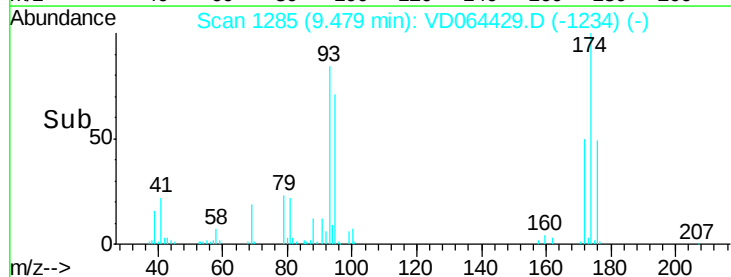
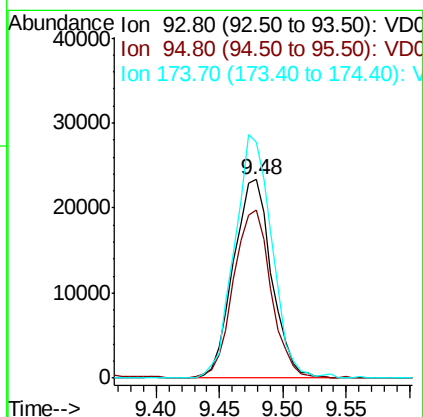
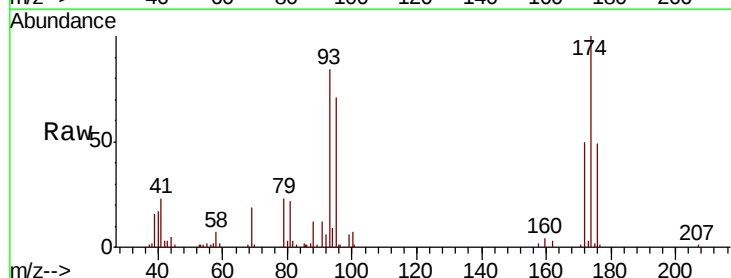
Tgt Ion: 93 Resp: 48741

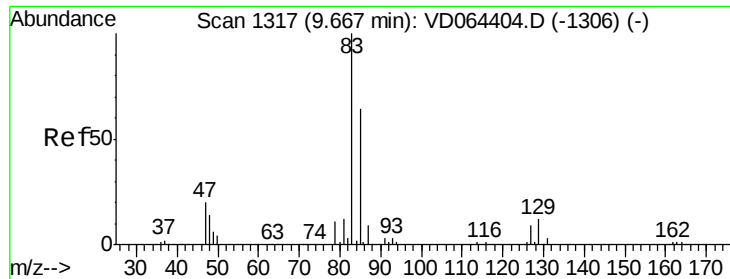
Ion Ratio Lower Upper

93 100

95 83.4 66.7 100.1

174 119.9 92.3 138.5





#47

Bromodichloromethane

Concen: 21.096 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

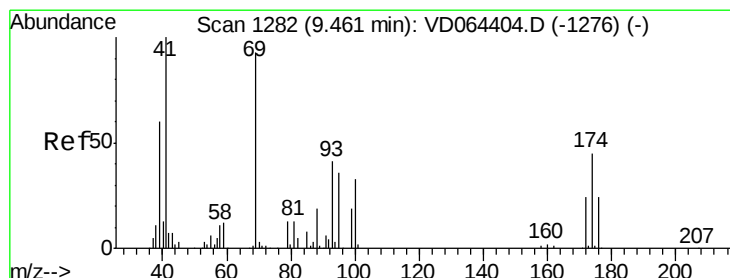
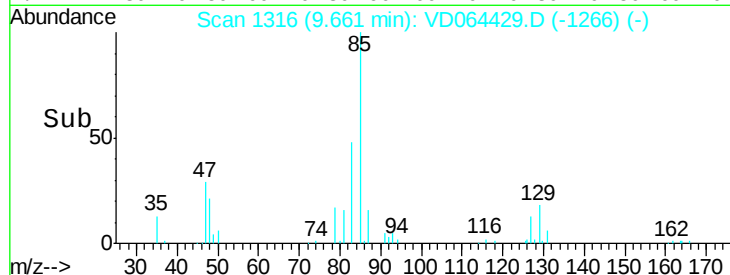
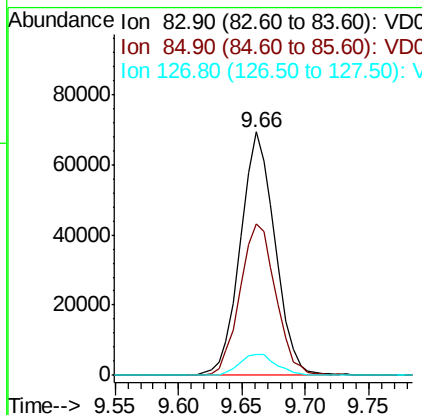
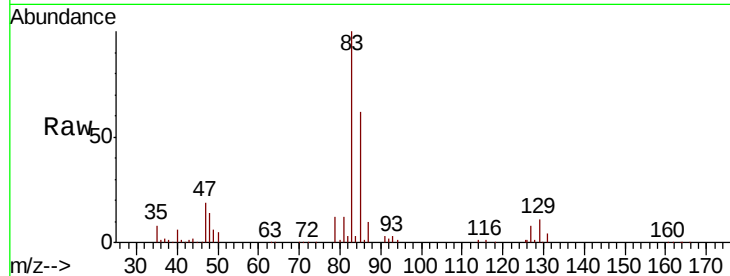
ClientSampleId :

VD1205SBS01

Tot Ion:	83	Resp:	131547
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.1	76.7
127	8.4	7.4	11.0

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#48

Methyl methacrylate

Concen: 19.643 ug/l

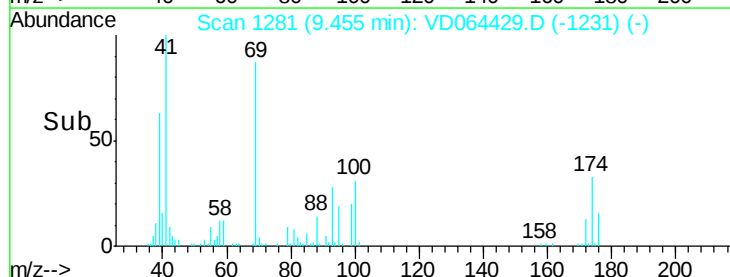
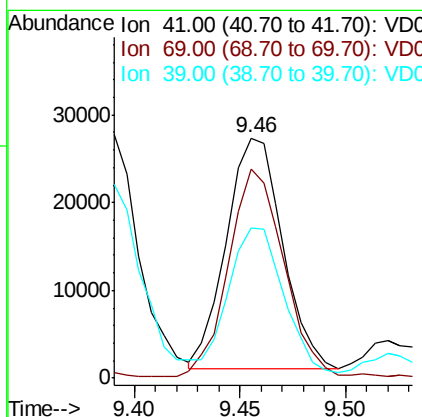
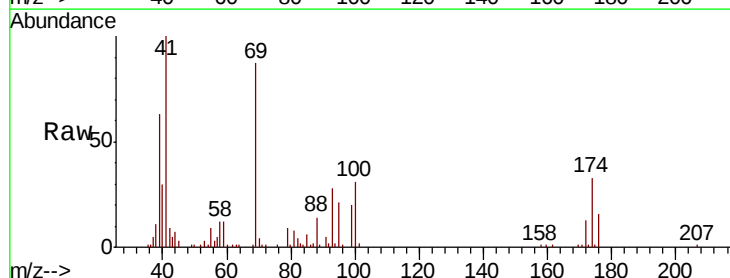
RT: 9.46 min Scan# 1281

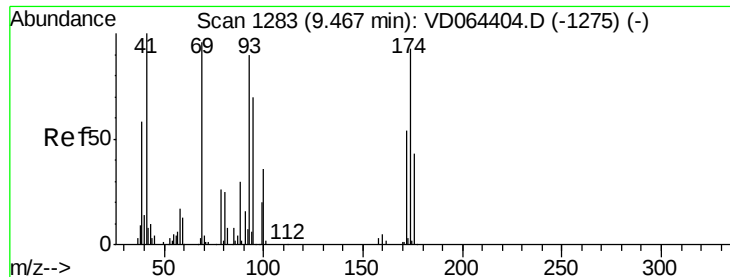
Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tgt Ion:	41	Resp:	48544
Ion	Ratio	Lower	Upper
41	100		
69	88.1	72.0	108.0
39	60.4	55.2	82.8





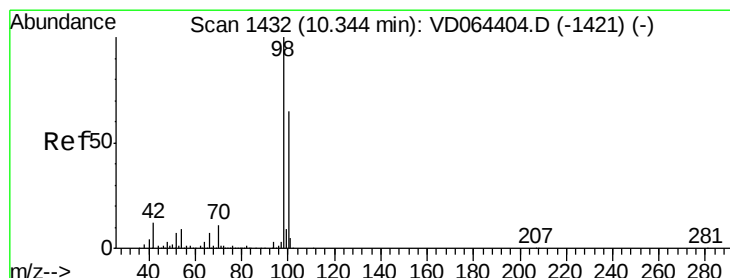
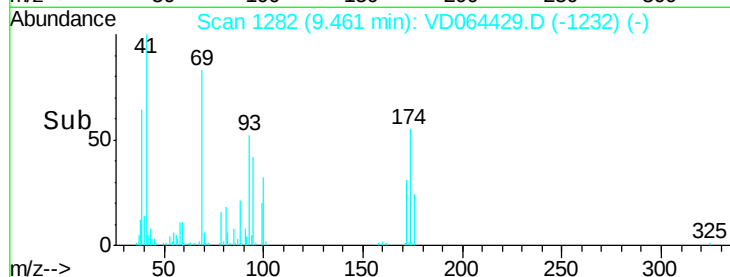
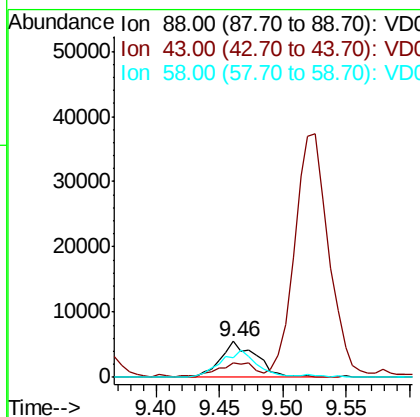
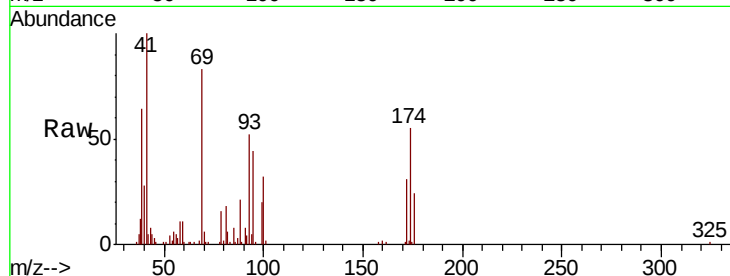
#49
1,4-Dioxane
Concen: 361.717 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.5	26.7	40.1#
58	74.2	52.3	78.5

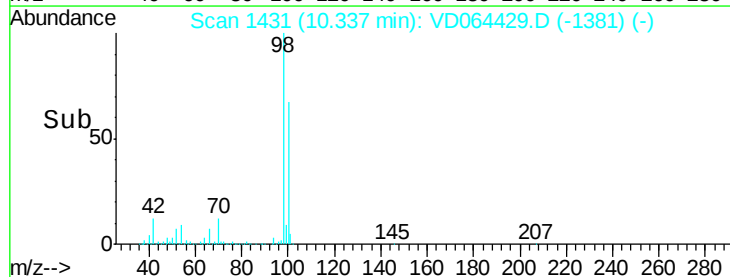
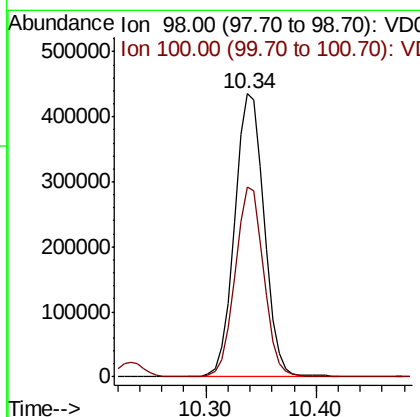
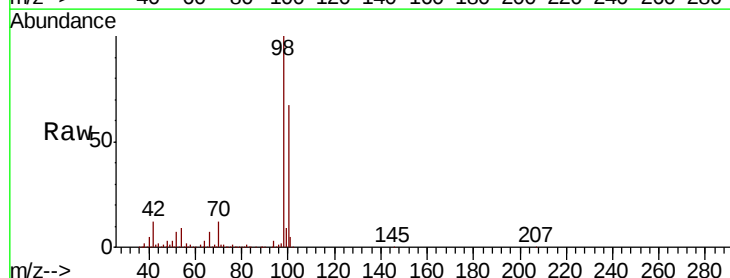
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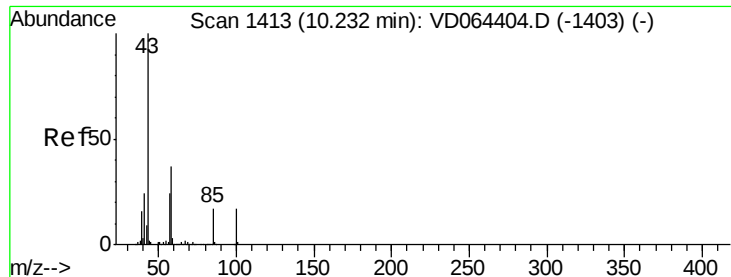
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#50
Toluene-d8
Concen: 50.364 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 92.955 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion: 43 Resp: 248398

Ion Ratio Lower Upper

43 100

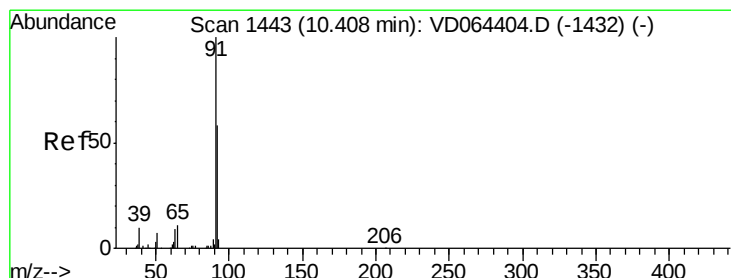
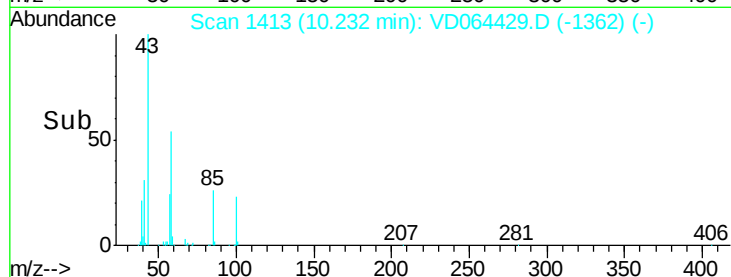
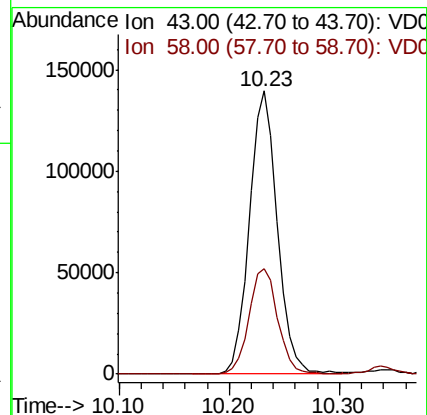
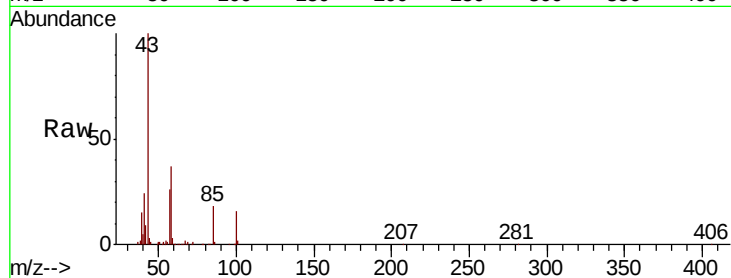
58 38.4 30.6 46.0

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#52

Toluene

Concen: 20.847 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064429.D

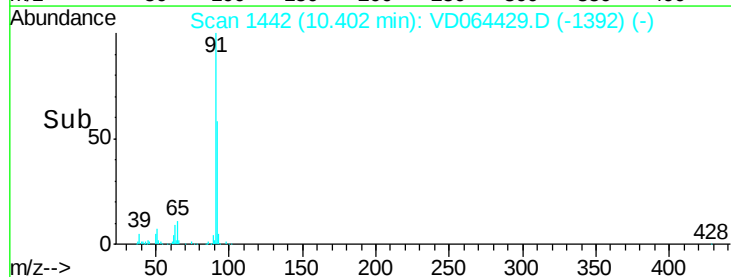
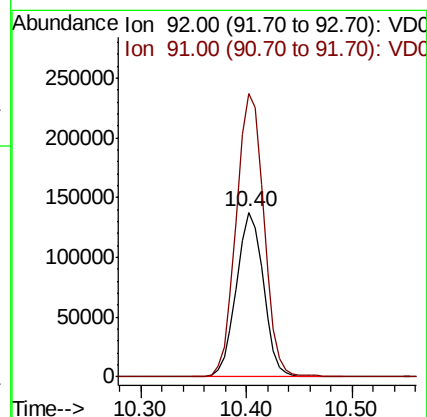
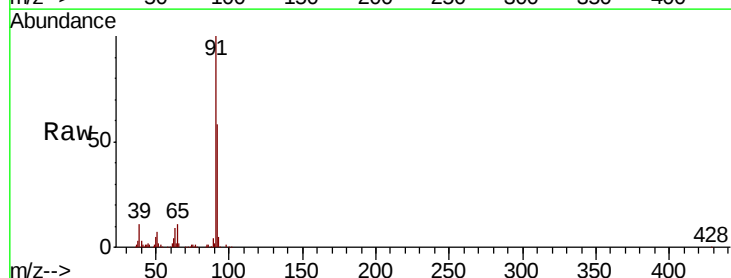
Acq: 05 Dec 2019 11:47

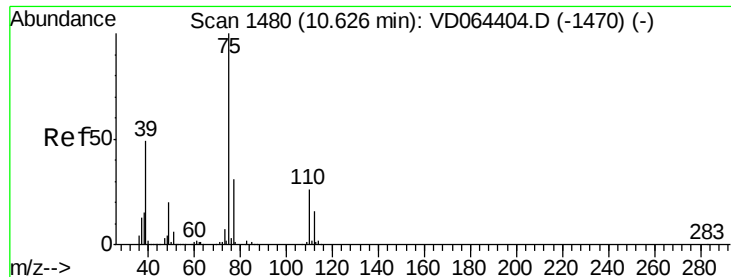
Tgt Ion: 92 Resp: 244271

Ion Ratio Lower Upper

92 100

91 175.5 137.8 206.6





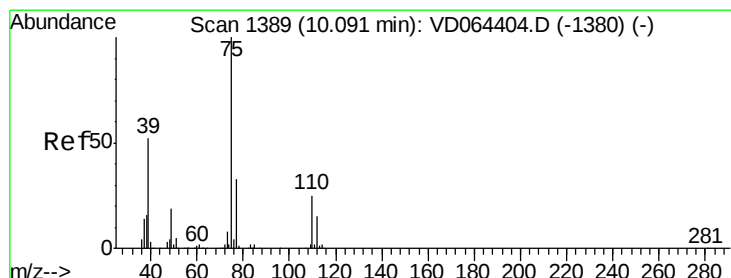
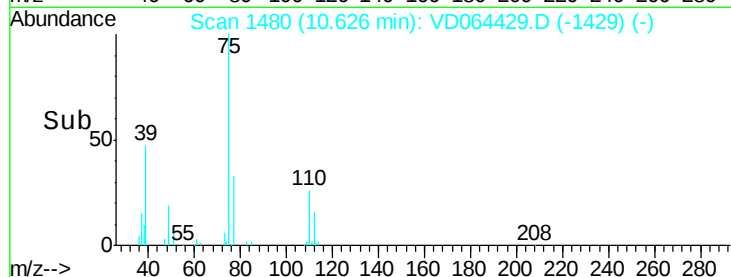
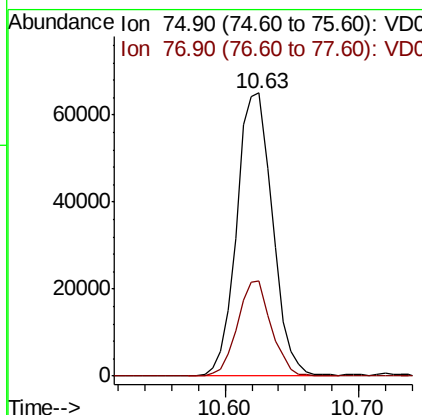
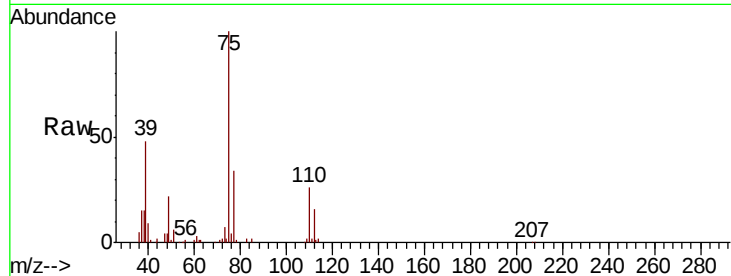
#53
t-1,3-Dichloropropene
Concen: 20.313 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.5	25.0	37.4

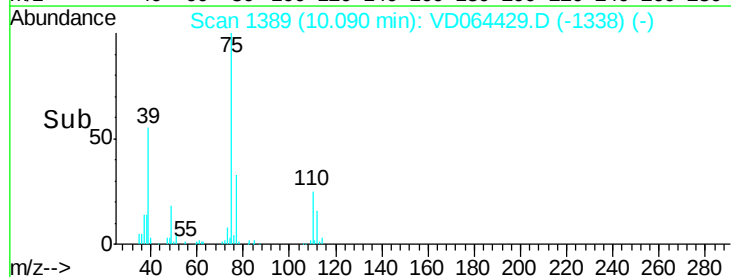
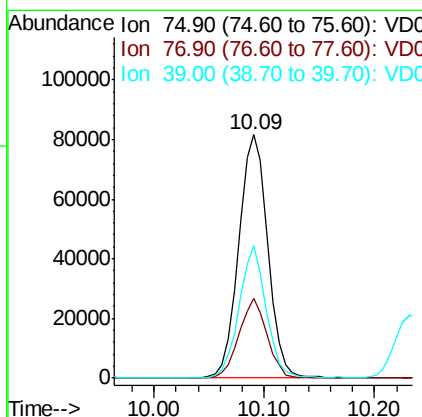
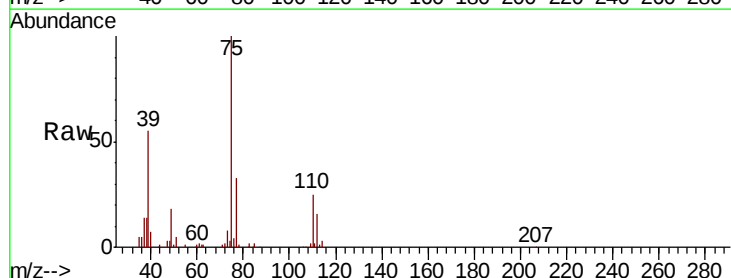
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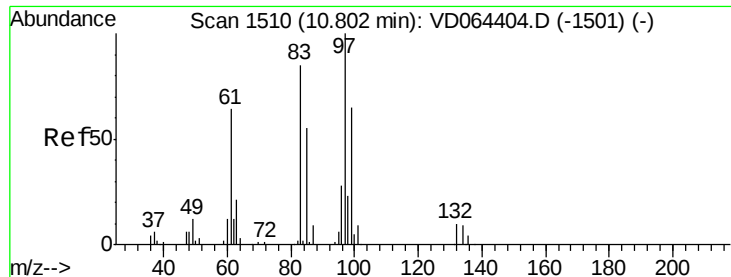
apatel
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#54
cis-1,3-Dichloropropene
Concen: 21.282 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.1	39.1
39	54.2	41.5	62.3





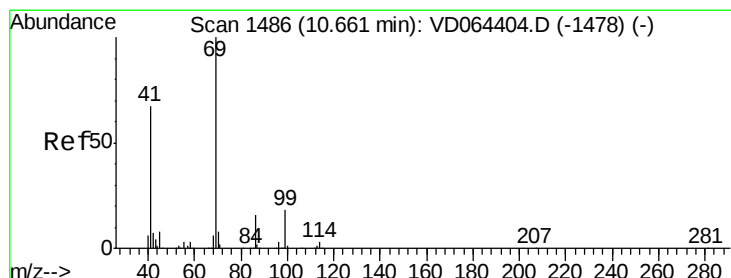
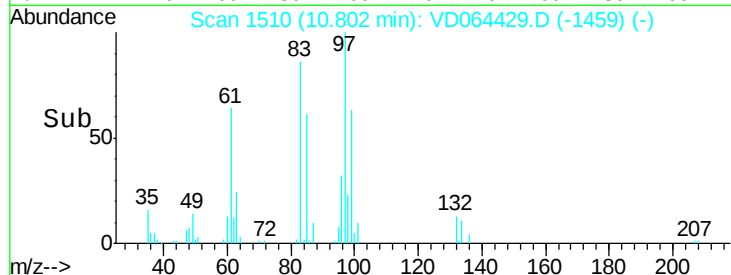
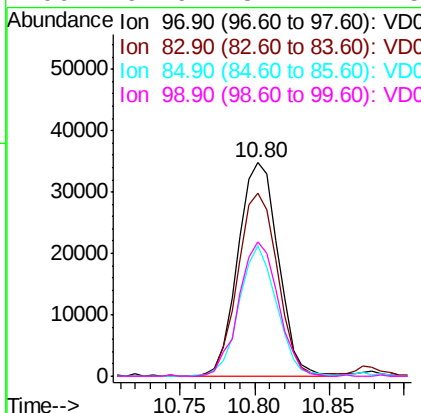
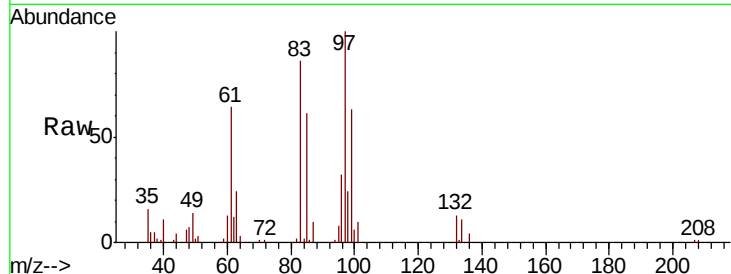
#55
 1,1,2-Trichloroethane
 Concen: 19.606 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.8	67.8	101.8
85	60.9	43.7	65.5
99	62.6	51.7	77.5

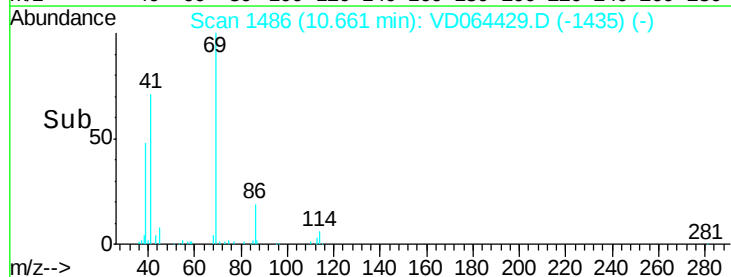
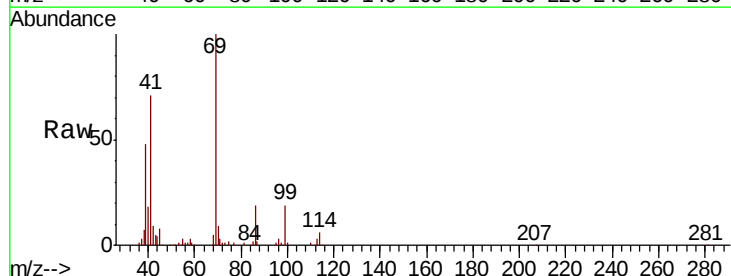
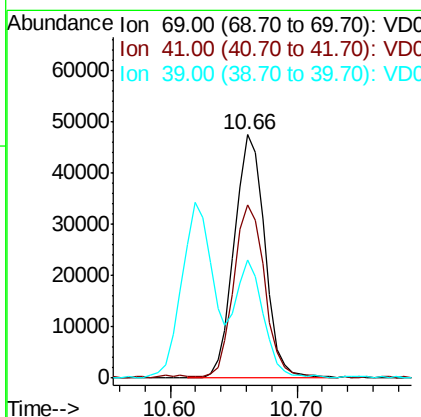
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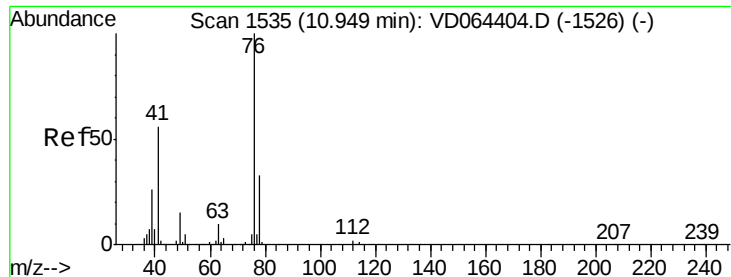
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#56
 Ethyl methacrylate
 Concen: 18.757 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.5	55.0	82.4
39	44.9	33.0	49.6





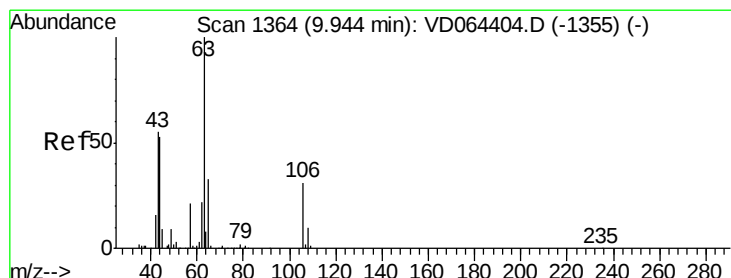
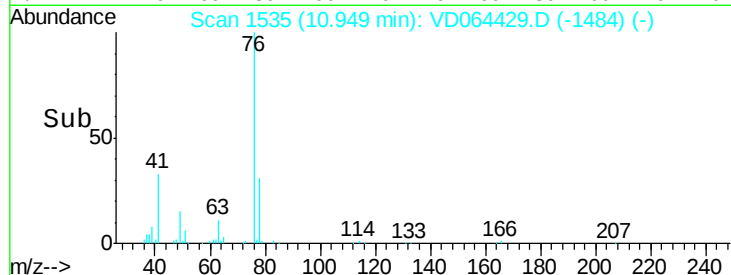
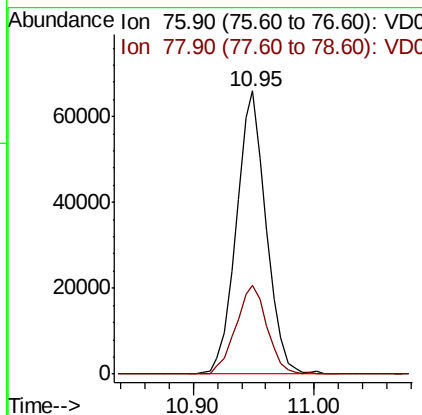
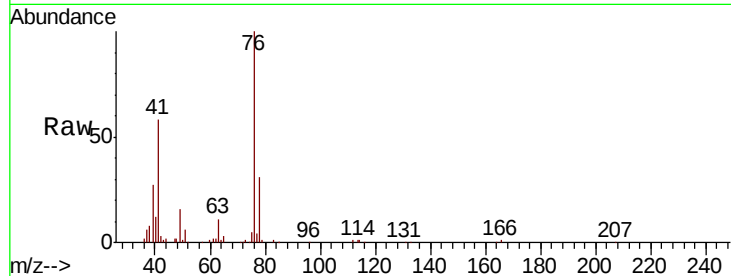
#57
 1,3-Dichloropropane
 Concen: 19.972 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion: 76 Resp: 112976
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.0 39.0

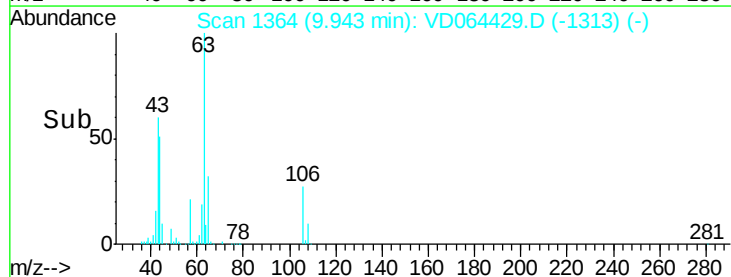
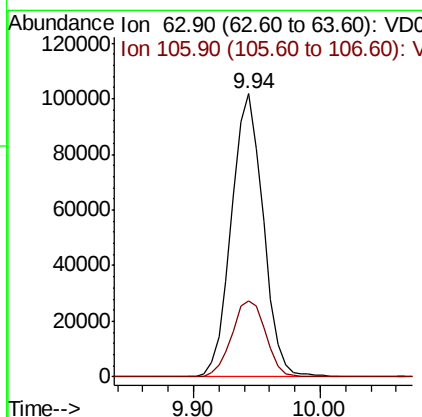
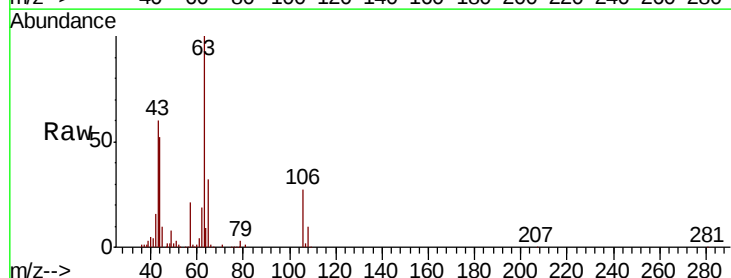
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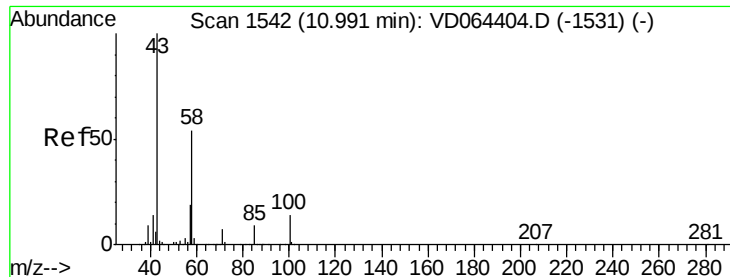
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#58
 2-Chloroethyl Vinyl ether
 Concen: 104.537 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion: 63 Resp: 176623
 Ion Ratio Lower Upper
 63 100
 106 28.8 24.2 36.4





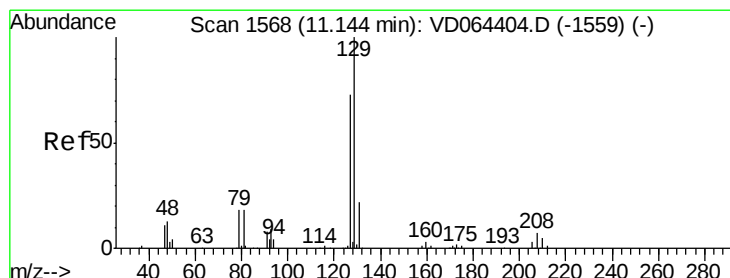
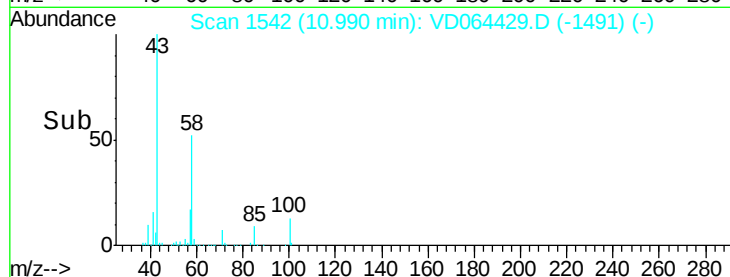
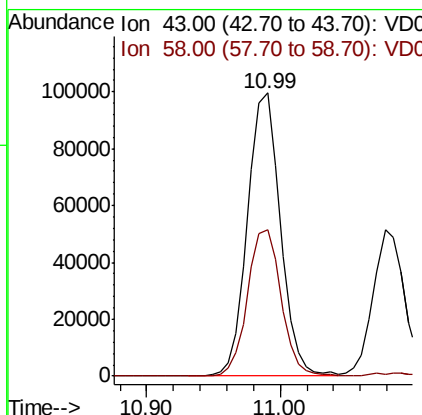
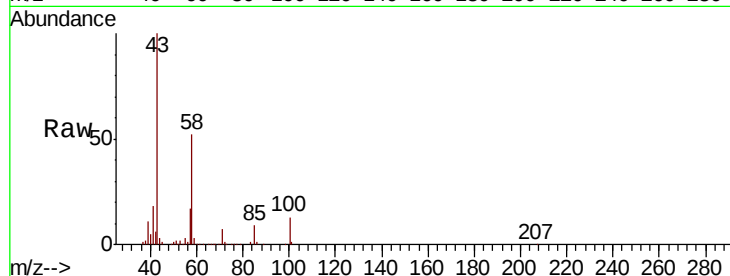
#59
2-Hexanone
Concen: 90.777 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion: 43 Resp: 168322
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8

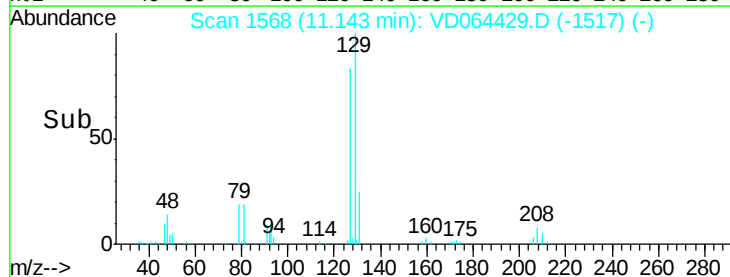
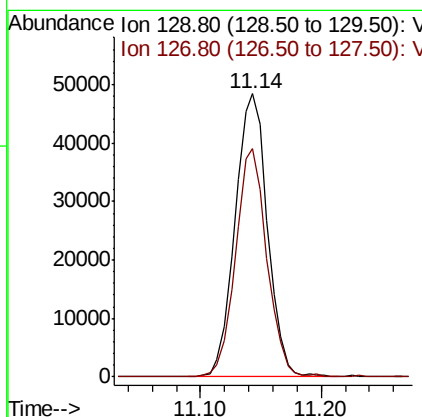
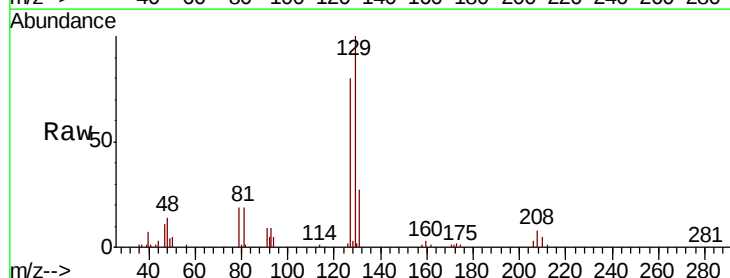
Manual Integrations
APPROVED

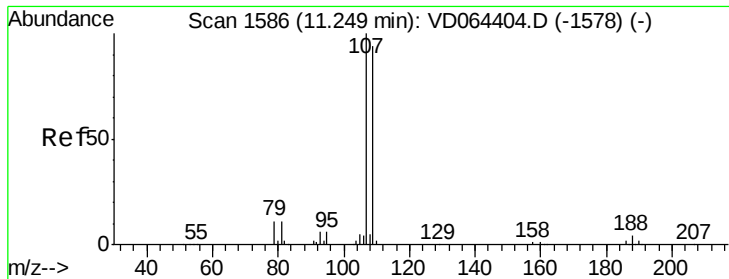
apatel
12/6/2019 12:59:13 PM



#60
Dibromochloromethane
Concen: 20.028 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 129 Resp: 90237
Ion Ratio Lower Upper
129 100
127 78.1 38.1 114.3





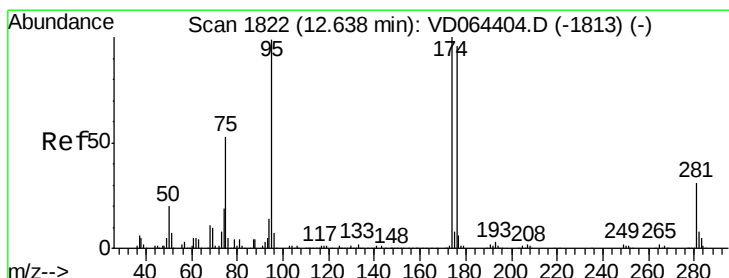
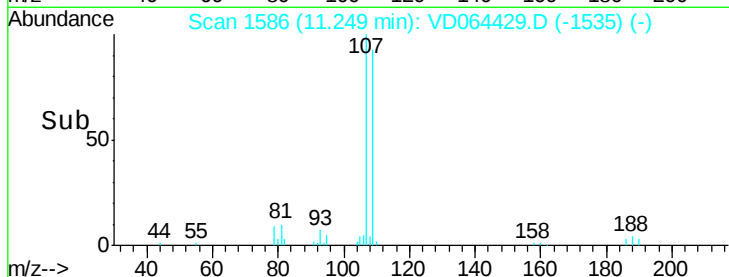
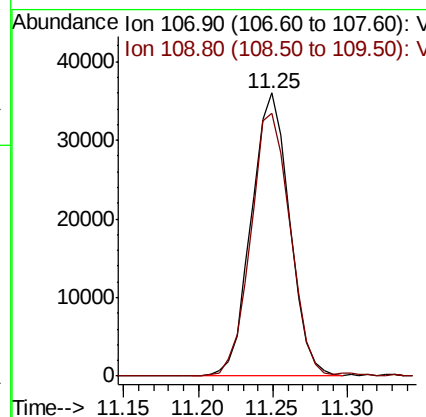
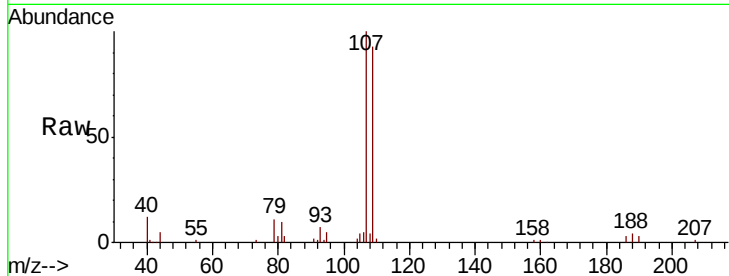
#61
 1,2-Dibromoethane
 Concen: 19.189 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	76.2	114.2

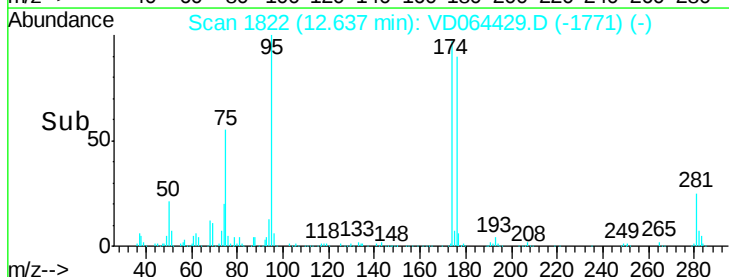
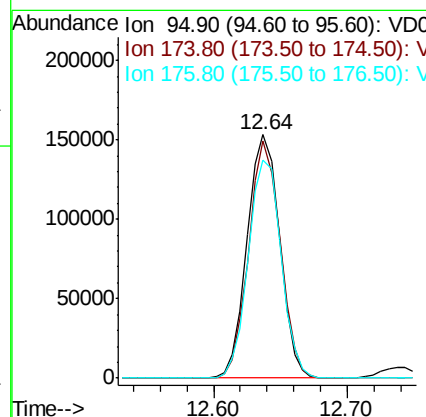
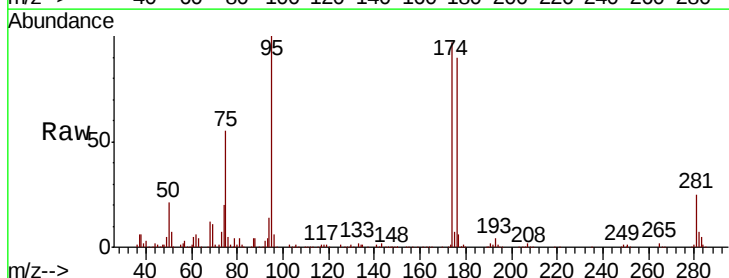
Manual Integrations
 APPROVED

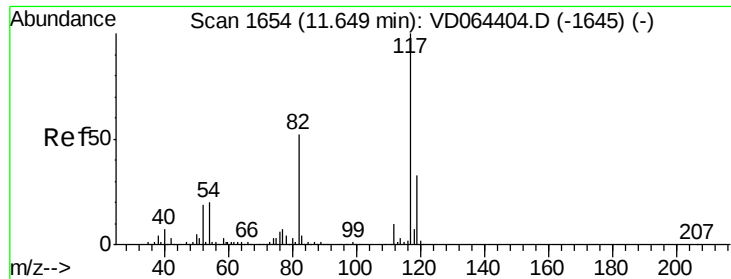
apatel
 12/6/2019 12:59:13 PM



#62
 4-Bromofluorobenzene
 Concen: 49.468 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.2	0.0	197.2
176	90.5	0.0	189.6





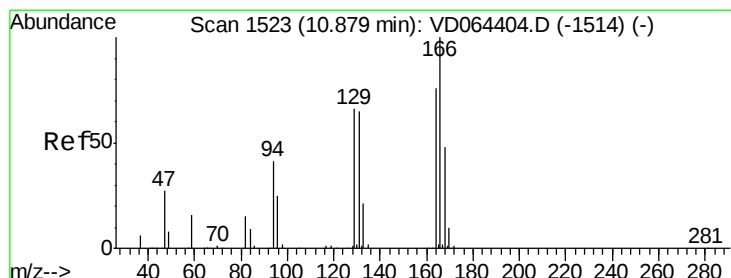
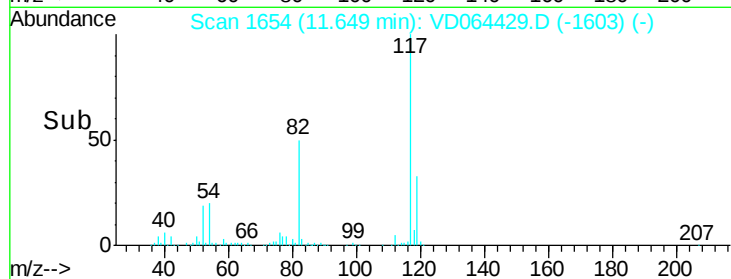
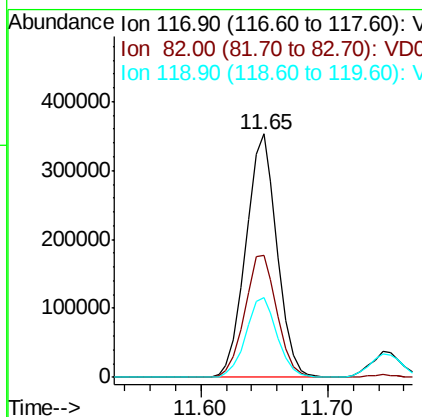
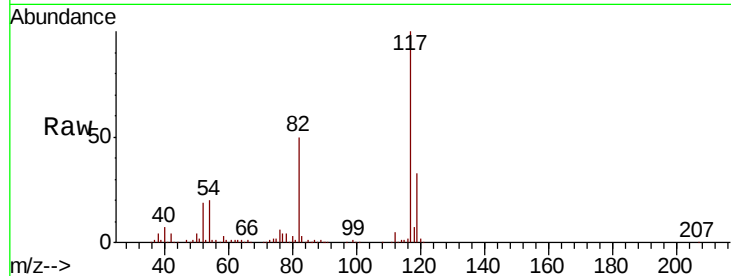
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	601410		
82	50.3		41.4	62.2
119	32.7		26.2	39.2

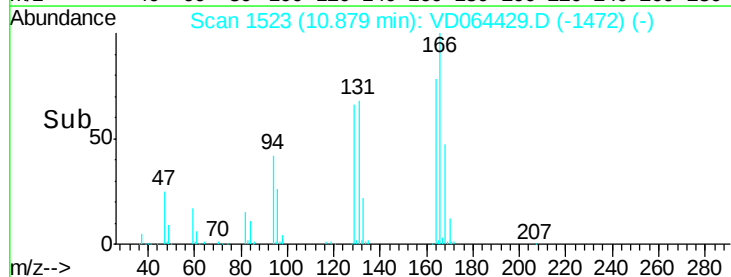
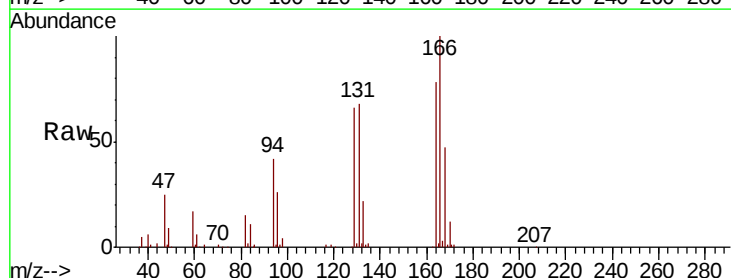
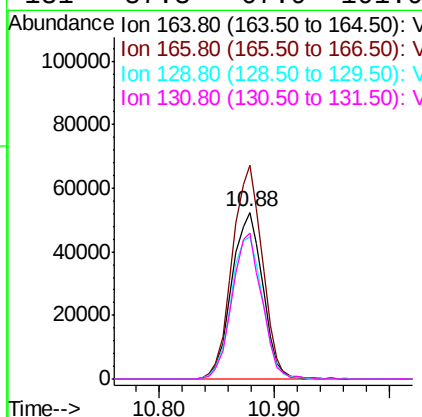
Manual Integrations
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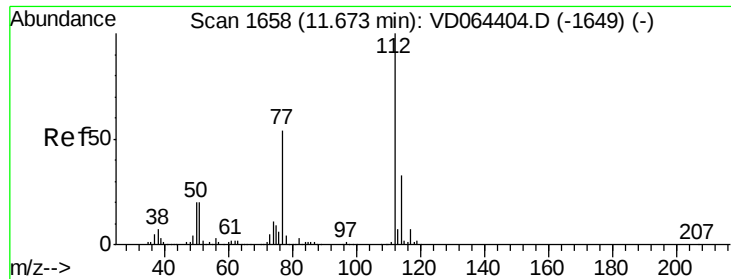
apatel
12/6/2019 12:59:13 PM



#64
Tetrachloroethene
Concen: 21.198 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	97217		
166	128.2		104.8	157.2
129	85.1		68.7	103.1
131	87.3		67.9	101.9





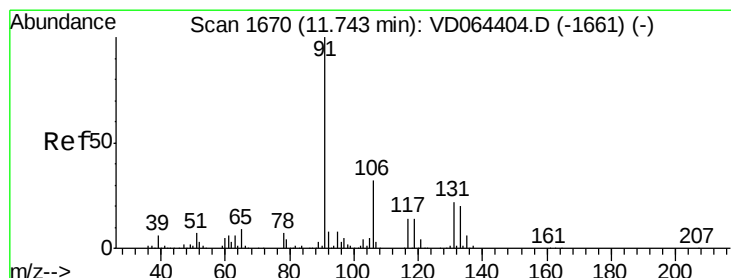
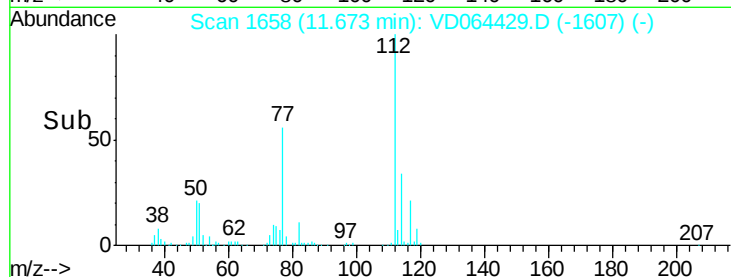
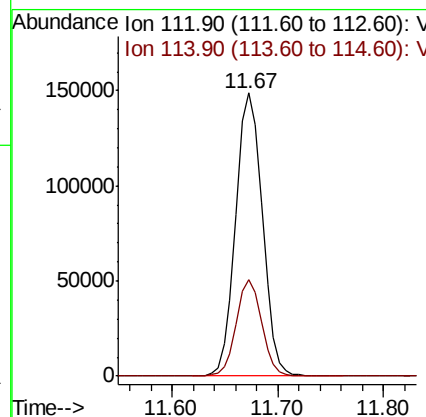
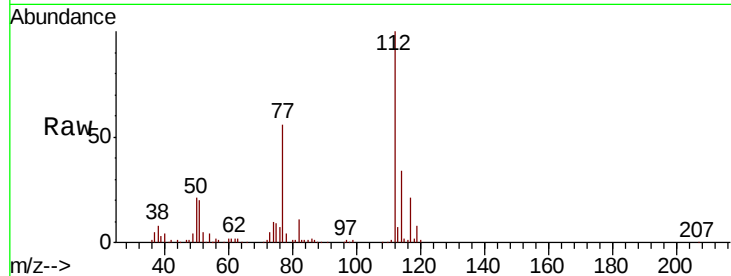
#65
Chlorobenzene
Concen: 20.706 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.5	39.7

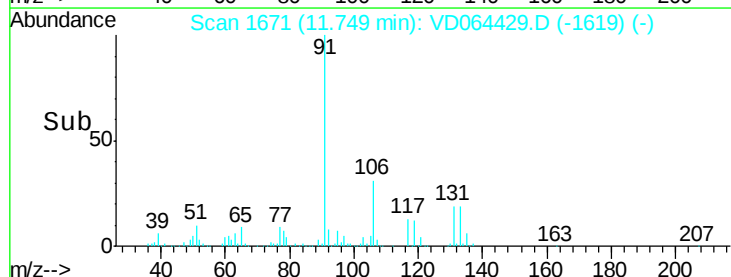
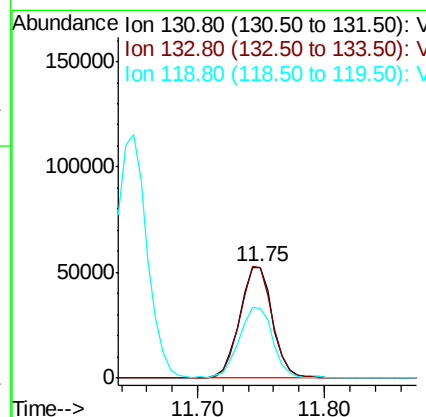
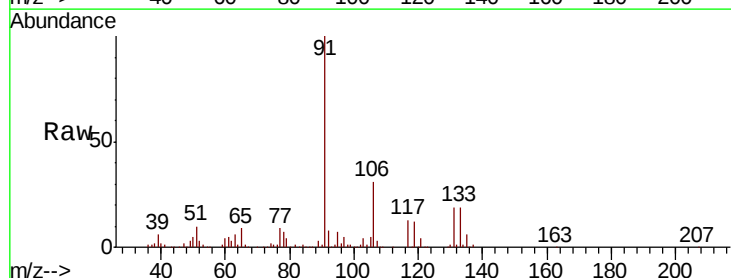
Manual Integrations
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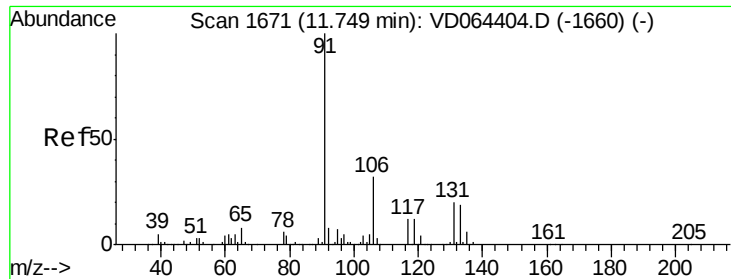
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.360 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.3	48.3	144.9
119	65.7	31.9	95.9





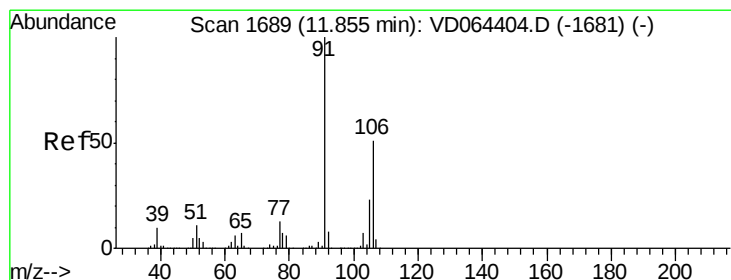
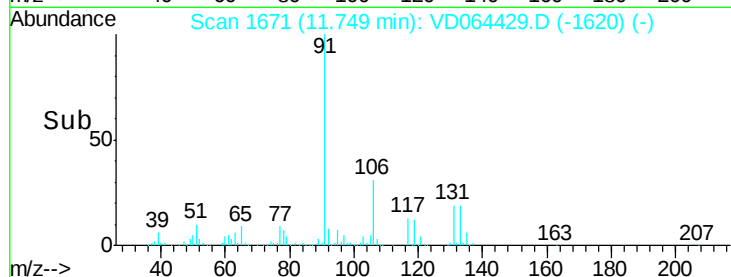
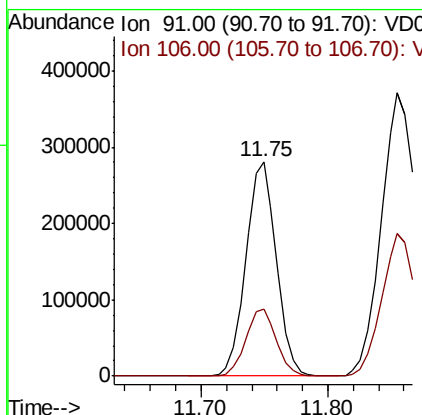
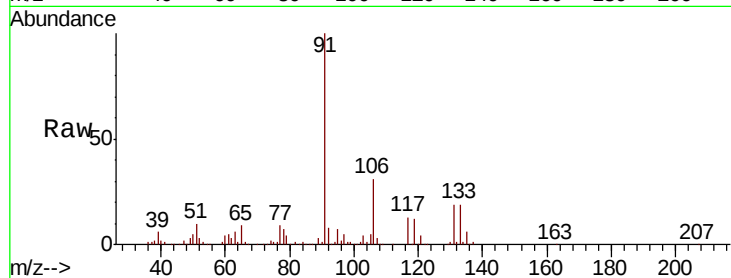
#67
Ethyl Benzene
Concen: 20.964 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion: 91 Resp: 467869
Ion Ratio Lower Upper
91 100
106 31.4 25.8 38.8

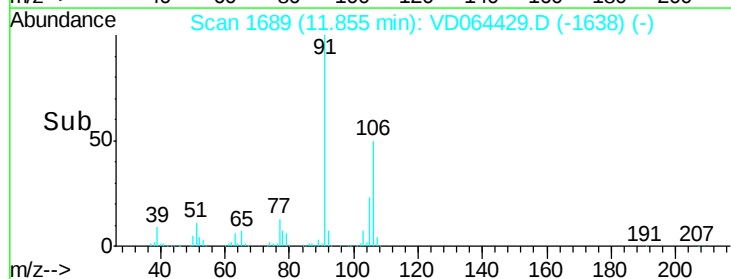
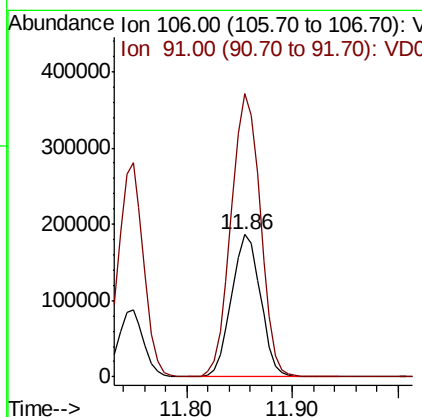
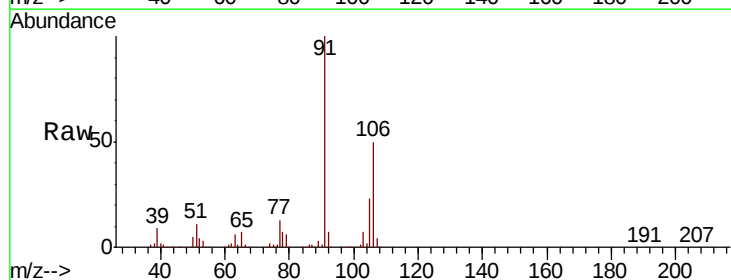
Manual Integrations
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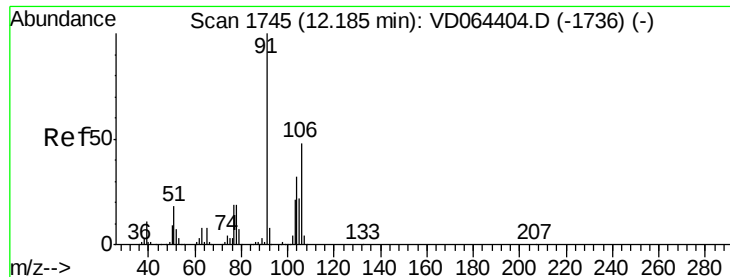
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#68
m/p-Xylenes
Concen: 41.816 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion: 106 Resp: 355836
Ion Ratio Lower Upper
106 100
91 200.2 157.4 236.2





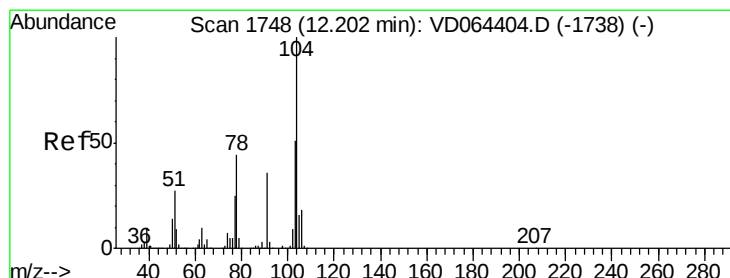
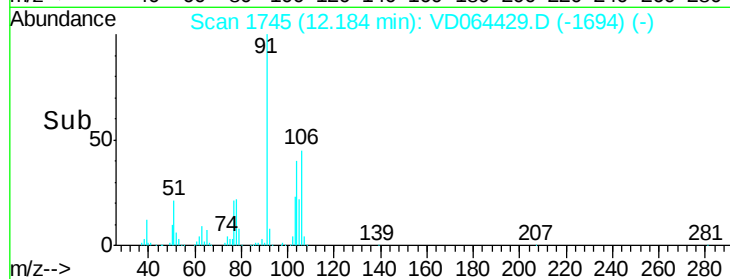
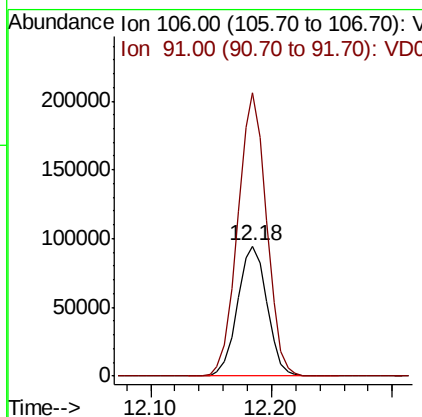
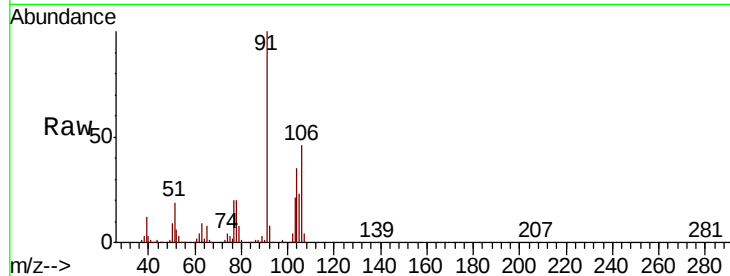
#69
o-Xylene
Concen: 20.590 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	161821		
91	91	211.4	103.8	311.4	

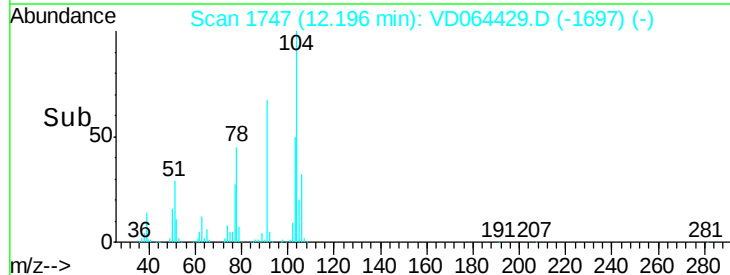
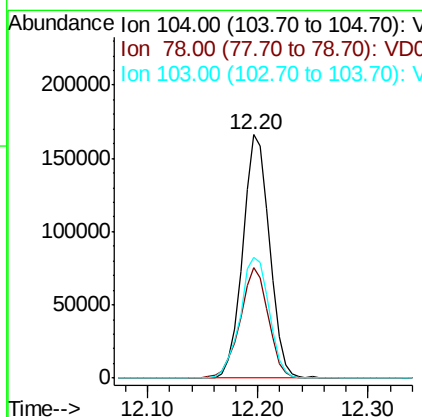
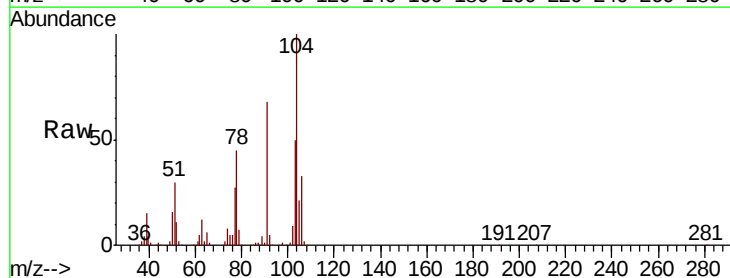
Manual Integrations
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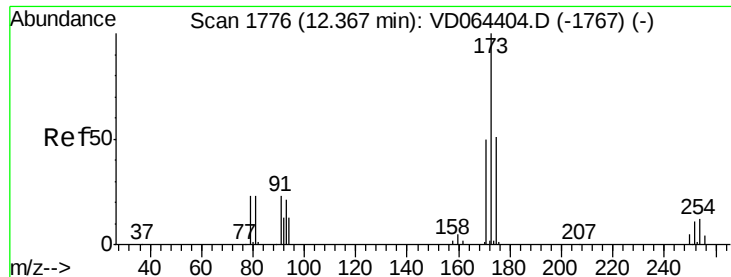
apatel
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#70
Styrene
Concen: 20.719 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	282954		
78	78	47.9	38.8	58.2	
103	103	54.1	44.2	66.4	





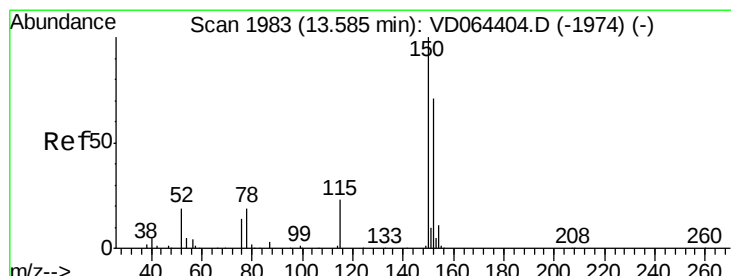
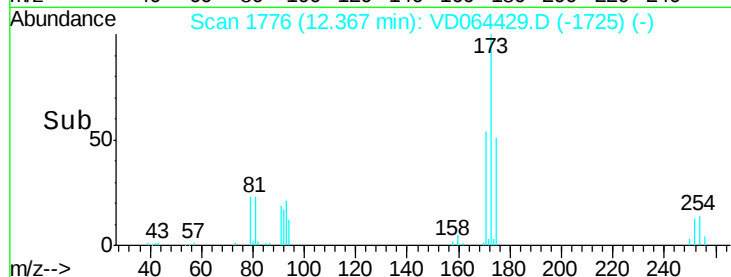
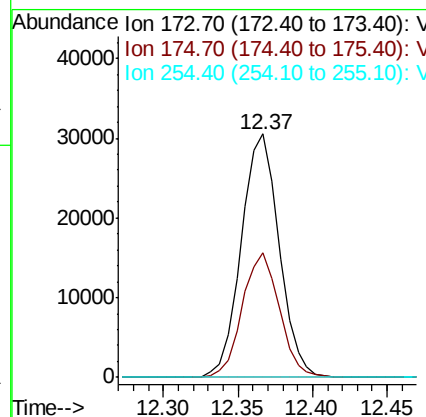
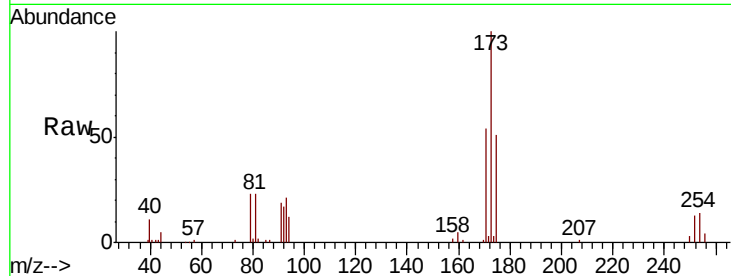
#71
Bromoform
Concen: 19.293 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	25.3	75.8
254	0.0	0.0	0.0

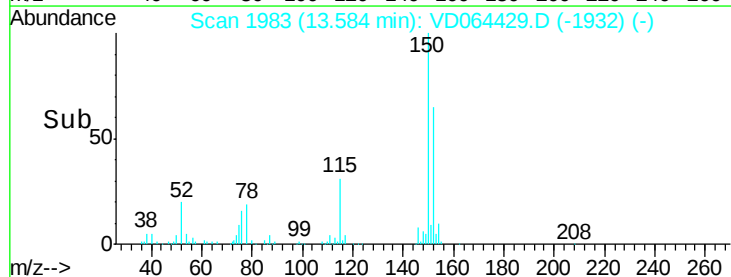
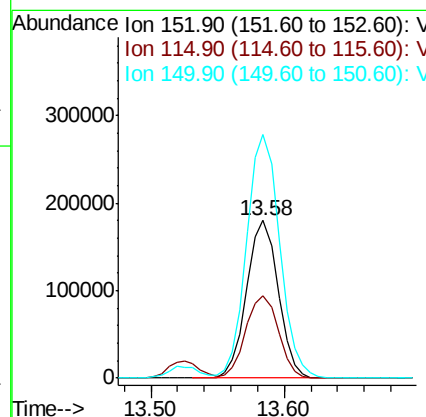
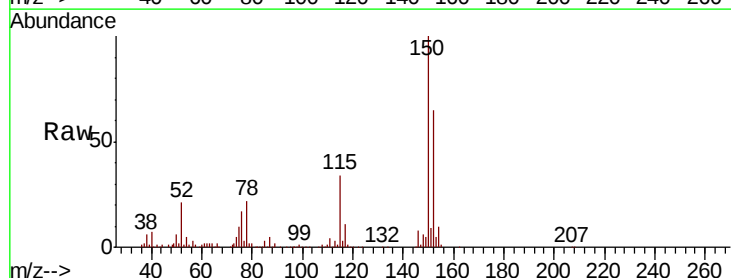
Manual Integrations
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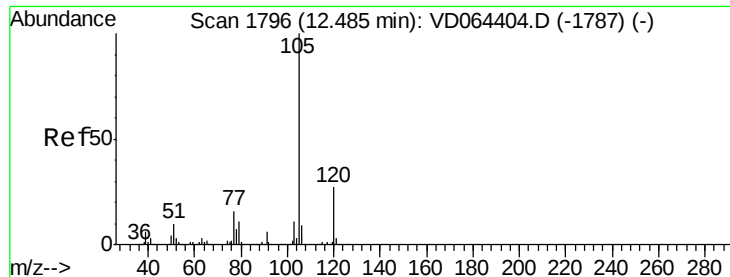
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	26.7	80.1
150	161.7	0.0	347.2





#73

Isopropylbenzene

Concen: 20.873 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion:105 Resp: 441790

Ion Ratio Lower Upper

105 100

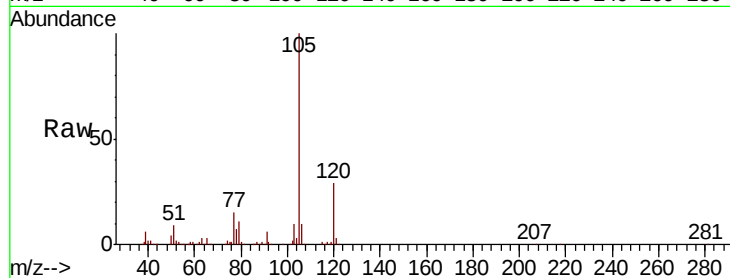
120 28.0 13.4 40.2

Manual Integrations

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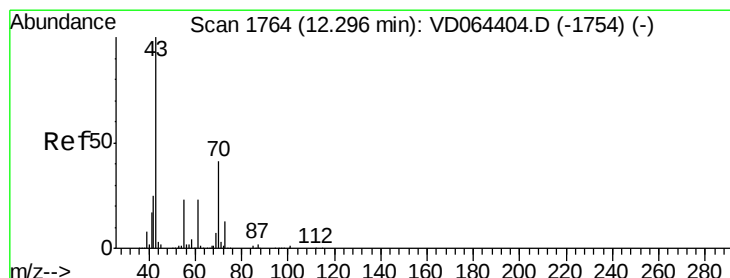
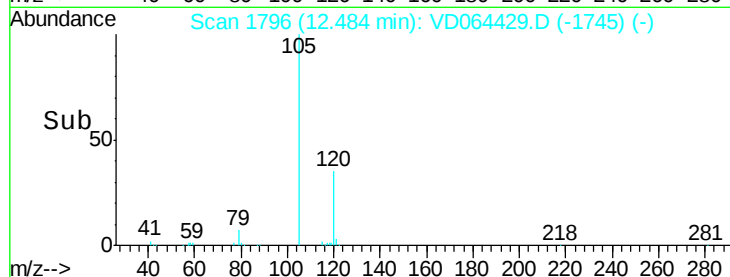
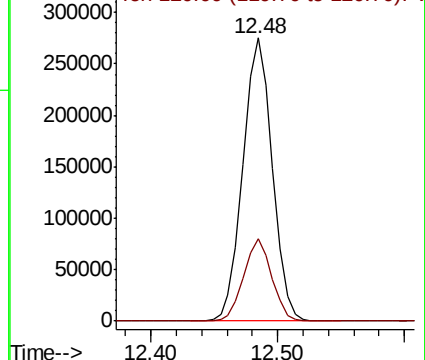
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.542 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tgt Ion: 43 Resp: 89072

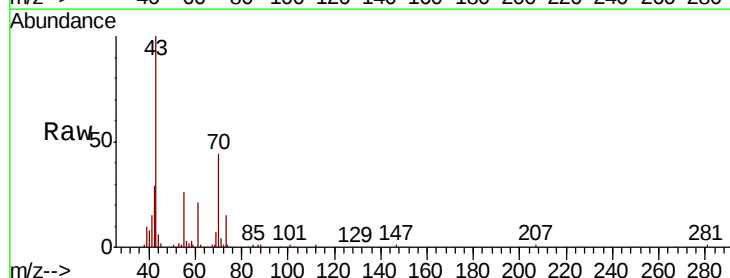
Ion Ratio Lower Upper

43 100

70 43.2 33.4 50.2

55 25.3 18.9 28.3

61 23.1 18.5 27.7

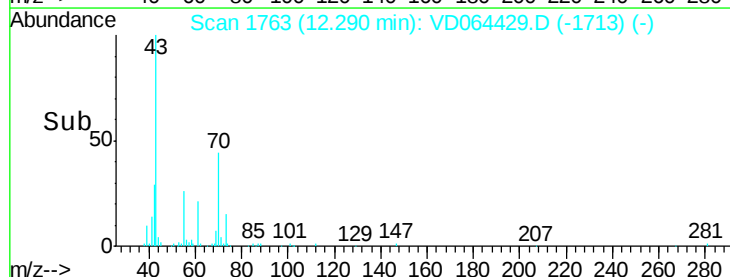
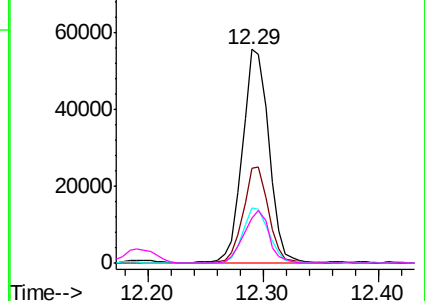


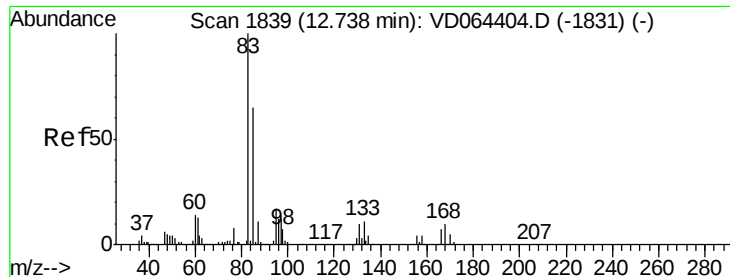
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 19.362 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

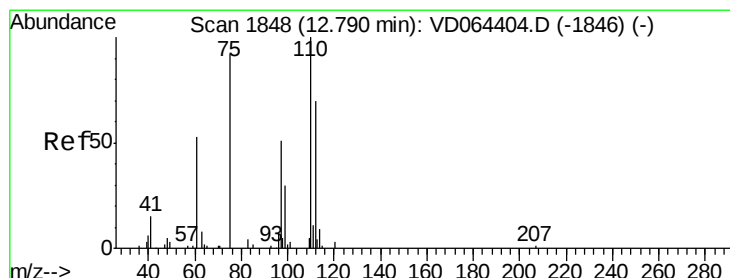
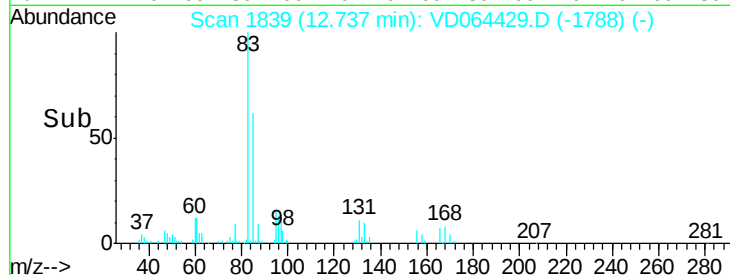
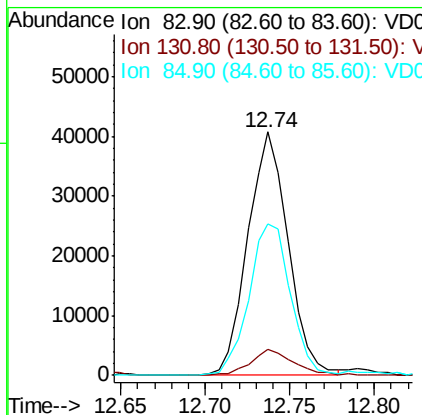
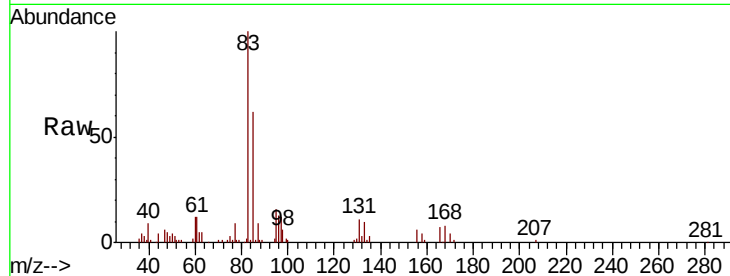
ClientSampleId :

VD1205SBS01

Tot Ion:	83	Resp:	67767
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.0
85	63.8	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.836 ug/l m

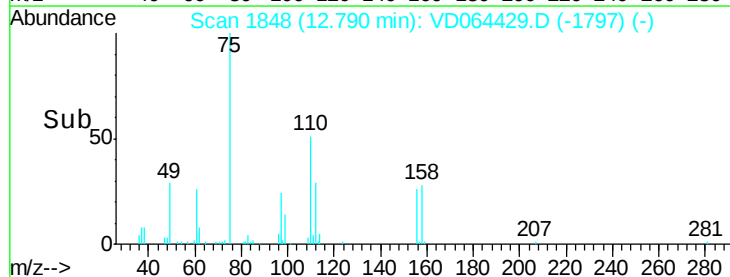
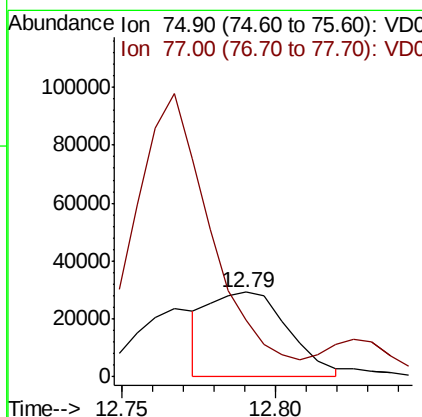
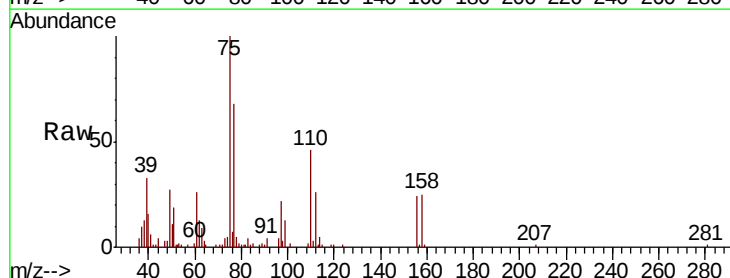
RT: 12.79 min Scan# 1848

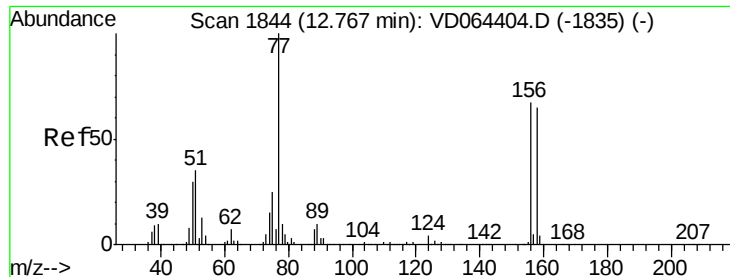
Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tgt Ion:	75	Resp:	52846
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.272 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

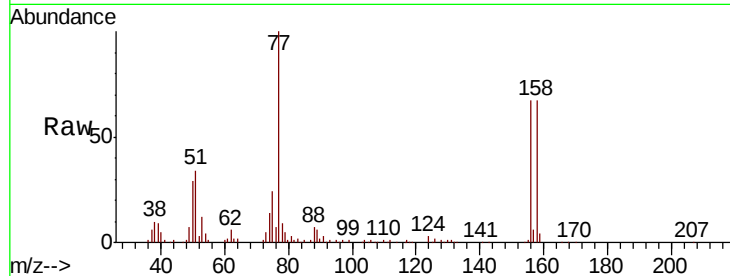
ClientSampleId :

VD1205SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	155.7	80.0	240.2	
158	94.2	48.9	146.6	

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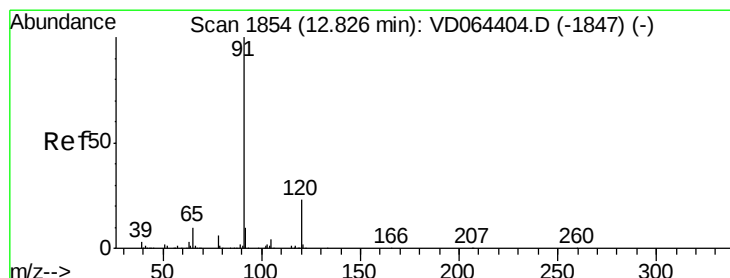
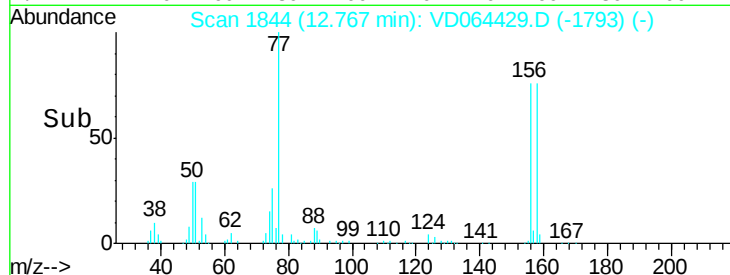
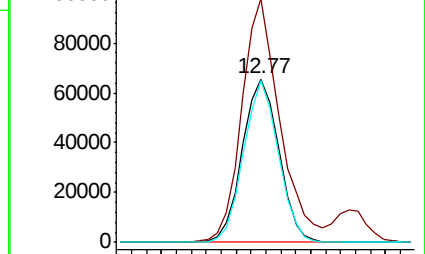
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.059 ug/l

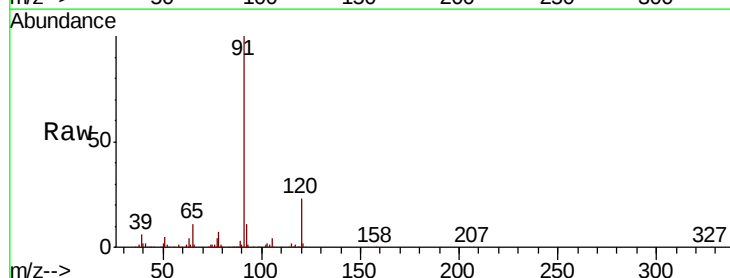
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064429.D

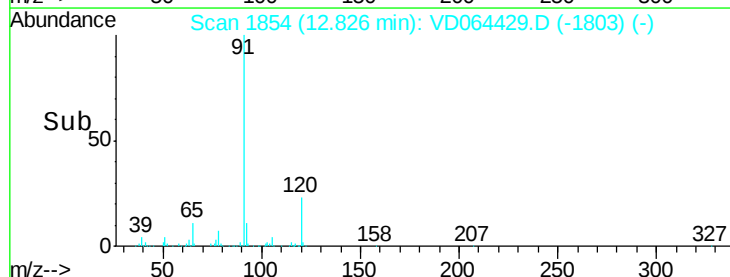
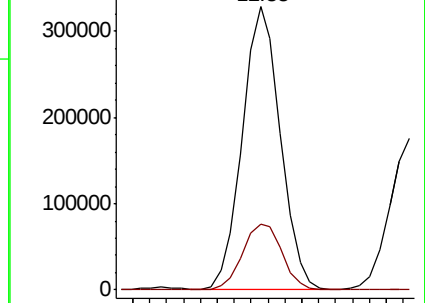
Acq: 05 Dec 2019 11:47

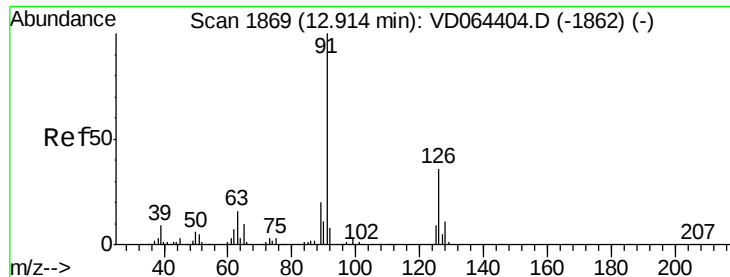
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.2	11.9	35.9	



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





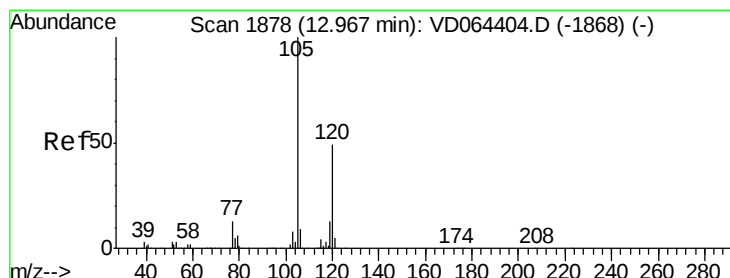
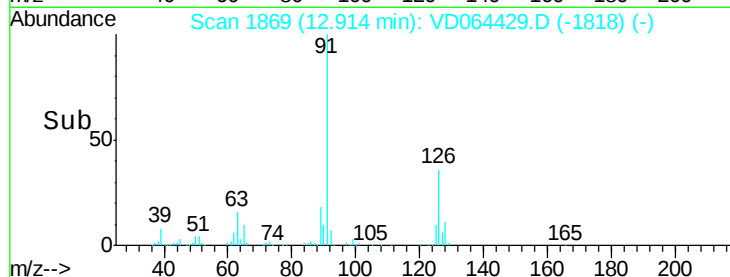
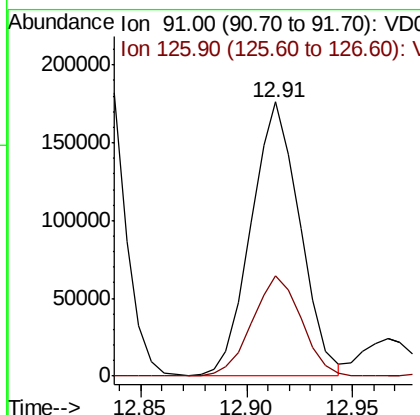
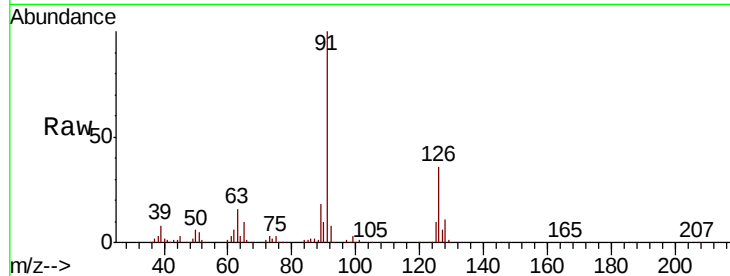
#79
 2-Chlorotoluene
 Concen: 21.022 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion: 91 Resp: 282485
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.0 54.0

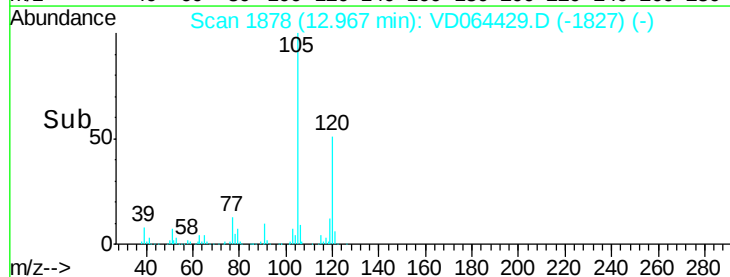
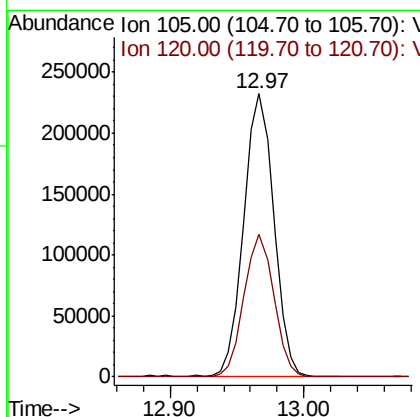
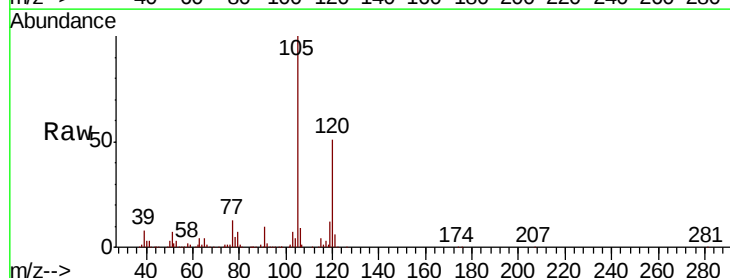
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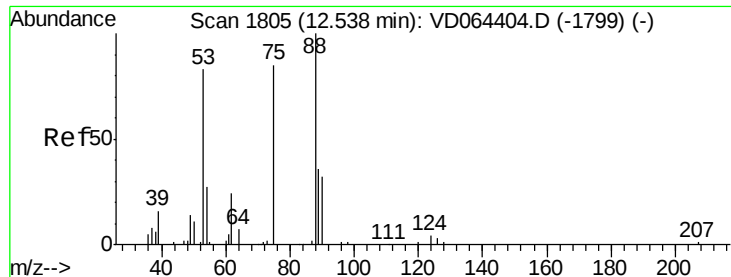
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.972 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion: 105 Resp: 362729
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 19.400 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

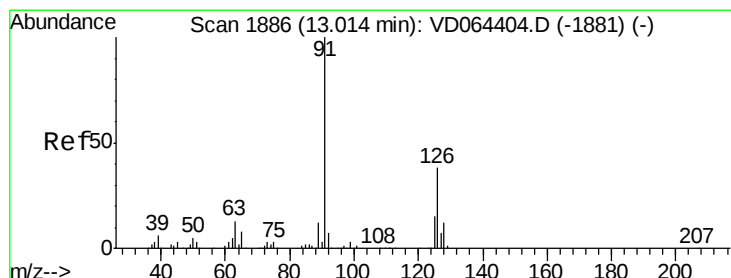
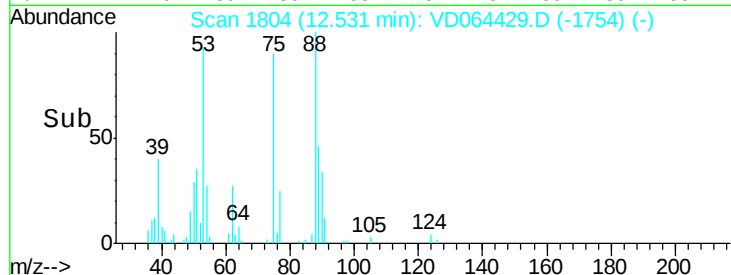
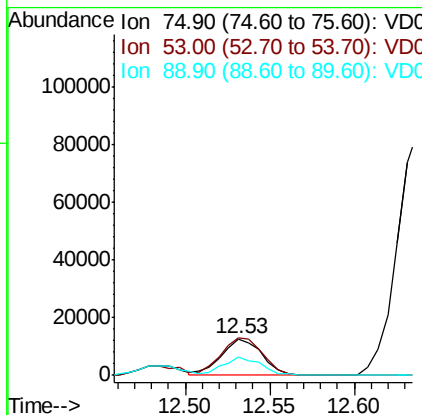
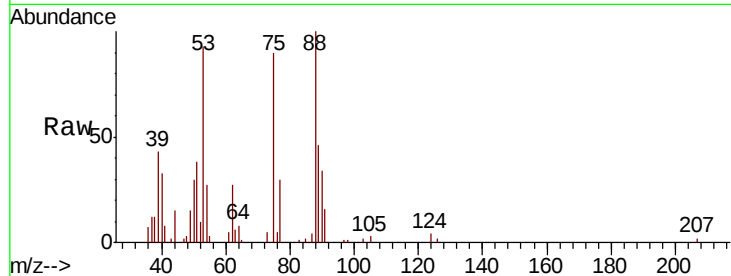
ClientSampleId :

VD1205SBS01

Tot Ion:	75	Resp:	21532
Ion	Ratio	Lower	Upper
75	100		
53	103.9	81.0	121.6
89	45.3	38.5	57.7

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#82

4-Chlorotoluene

Concen: 20.769 ug/l

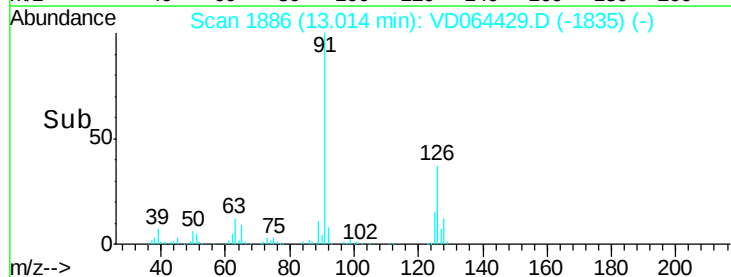
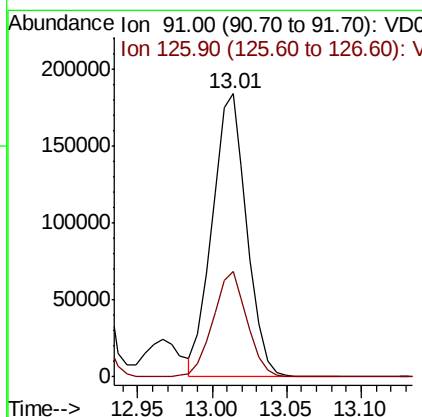
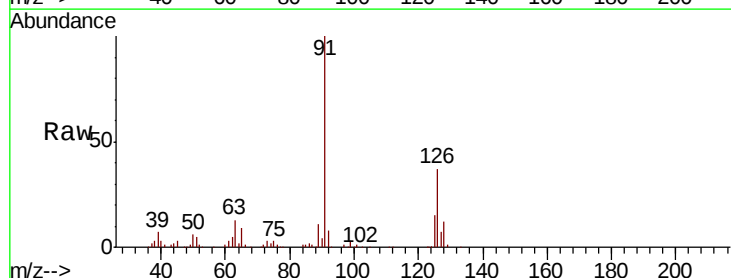
RT: 13.01 min Scan# 1886

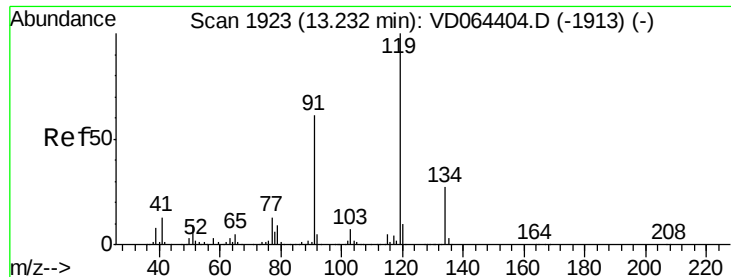
Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tgt Ion:	91	Resp:	295484
Ion	Ratio	Lower	Upper
91	100		
126	36.8	18.2	54.6





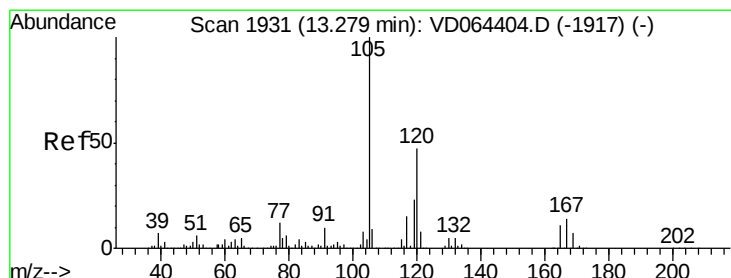
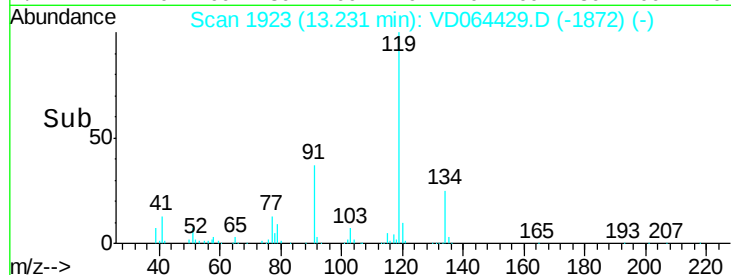
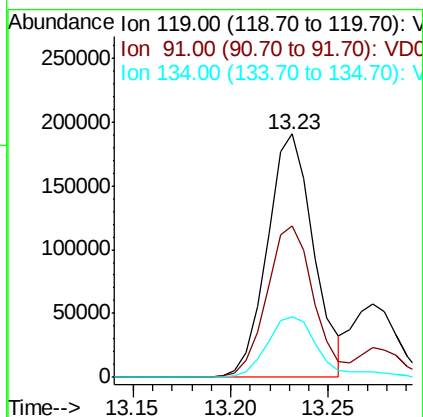
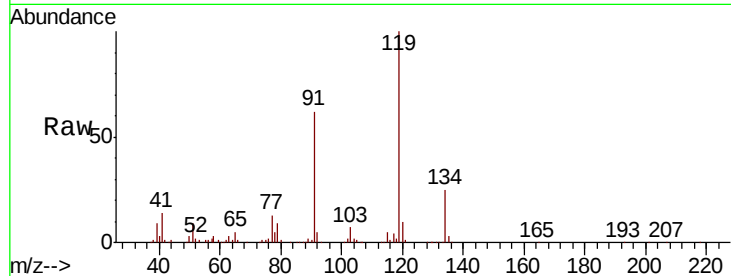
#83
tert-Butylbenzene
Concen: 20.867 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.4	31.2	93.6
134	27.8	13.9	41.7

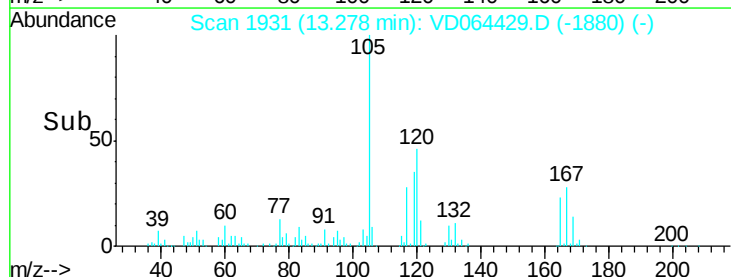
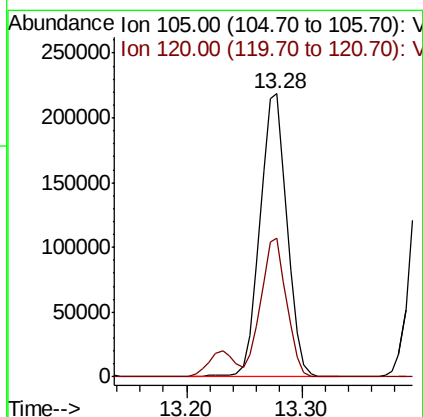
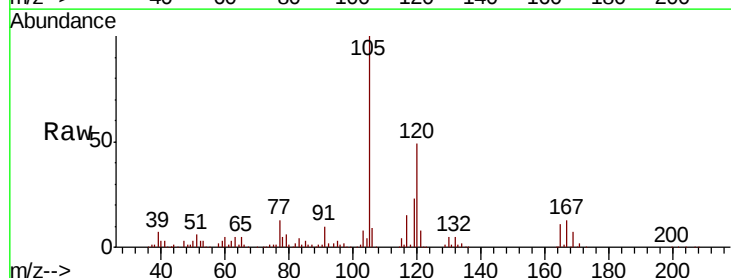
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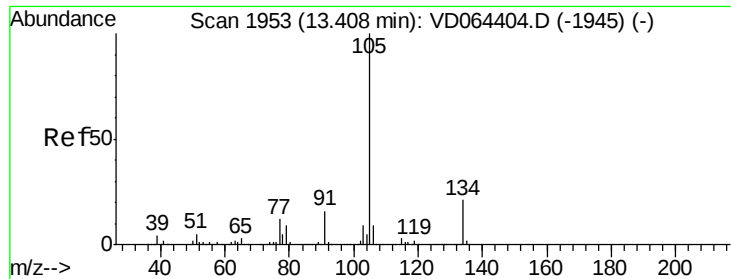
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#84
1,2,4-Trimethylbenzene
Concen: 20.586 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.6	70.8





#85

sec-Butylbenzene

Concen: 20.860 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VD1205SBS01

Tot Ion:105 Resp: 430502

Ion Ratio Lower Upper

105 100

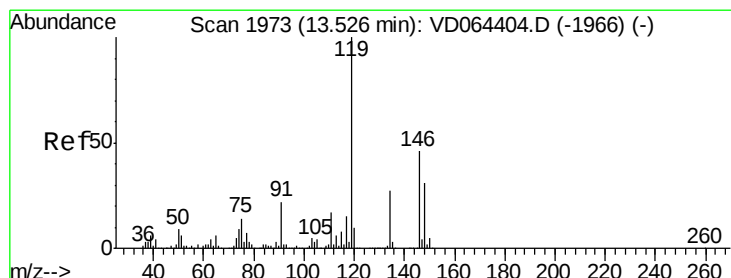
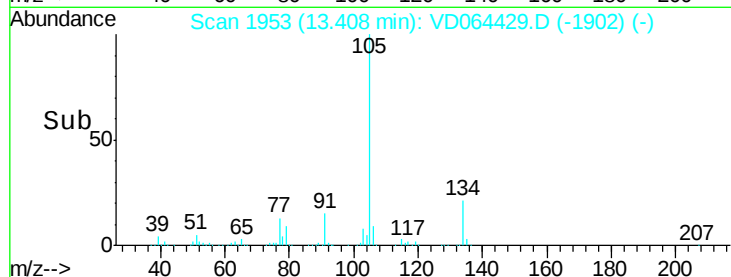
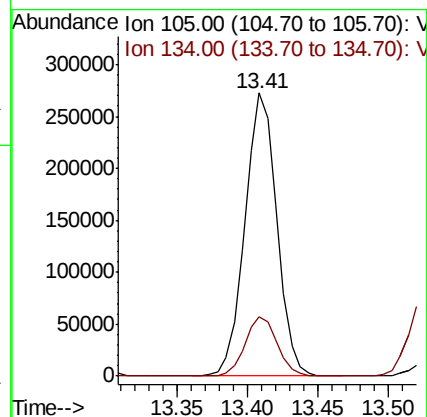
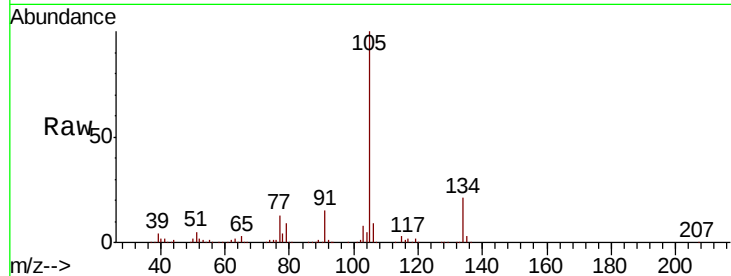
134 21.4 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 20.587 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

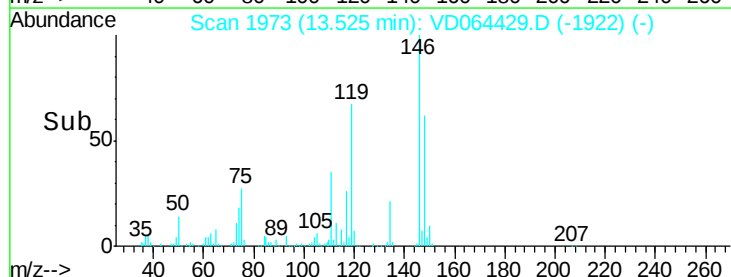
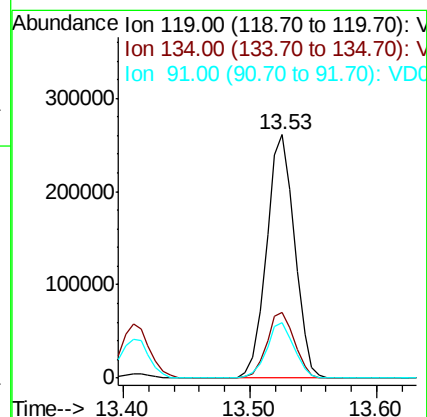
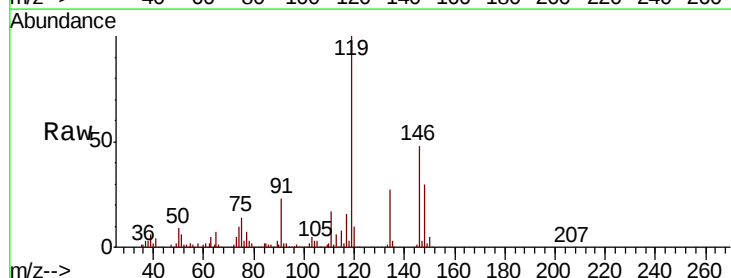
Tgt Ion:119 Resp: 401125

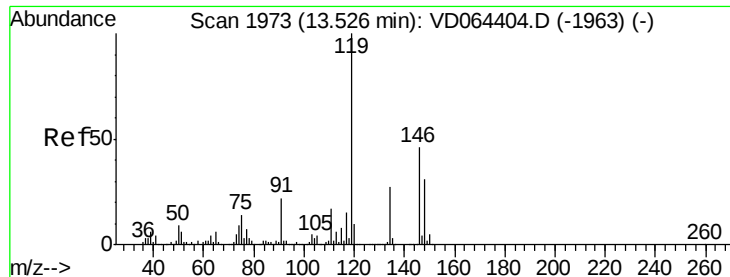
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.4

91 22.5 11.2 33.5





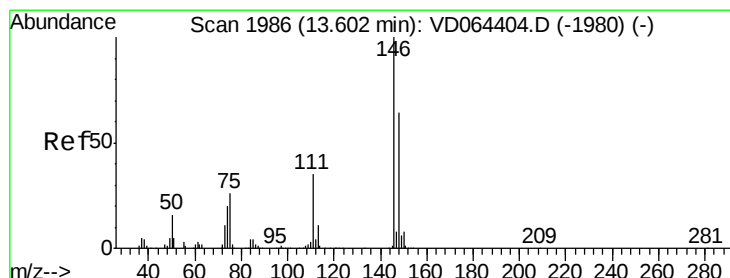
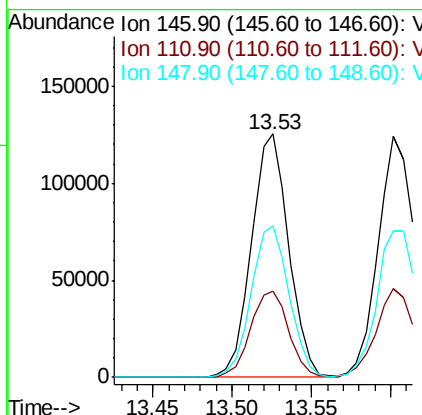
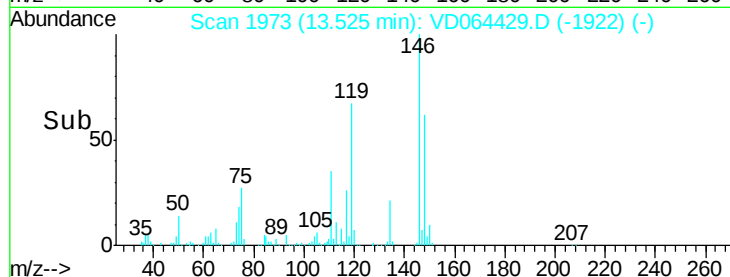
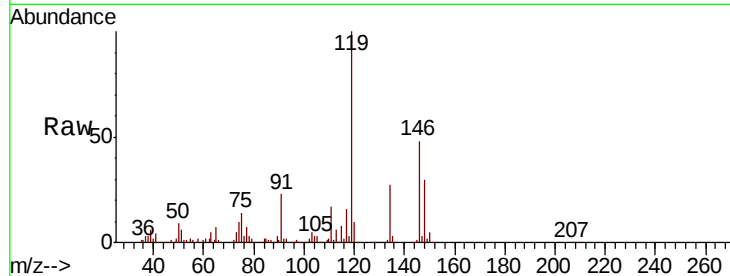
#87
 1,3-Dichlorobenzene
 Concen: 20.668 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	205035		
111	36.3		18.8	56.4
148	63.3		32.6	97.8

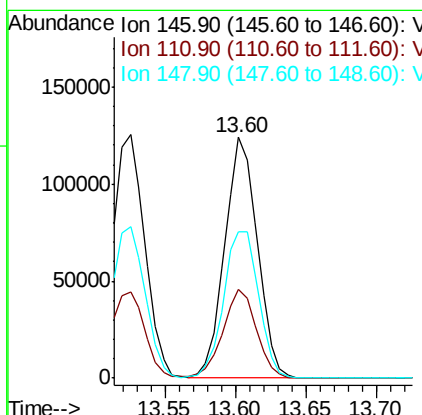
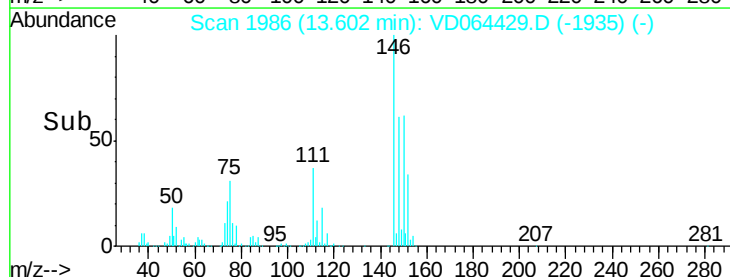
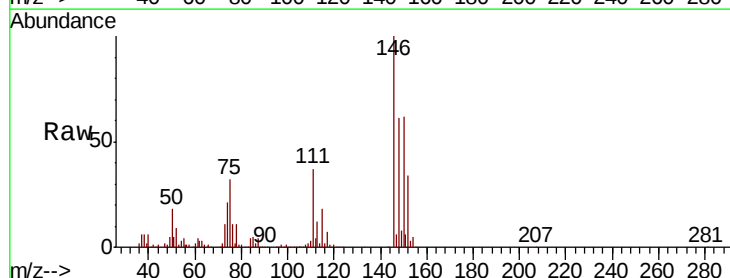
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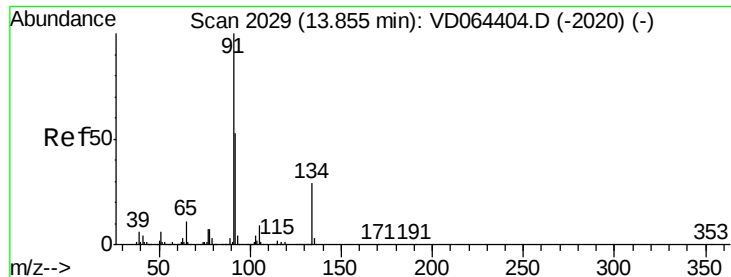
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#88
 1,4-Dichlorobenzene
 Concen: 20.420 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	199996		
111	37.9		18.2	54.6
148	65.6		31.8	95.4





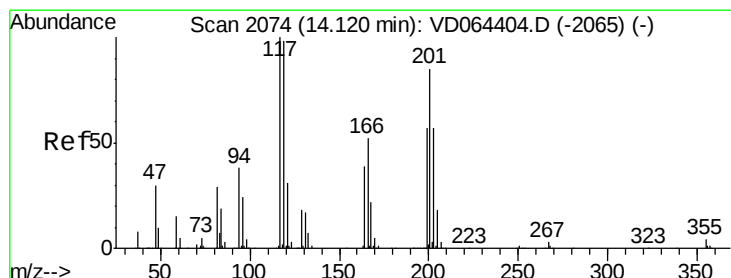
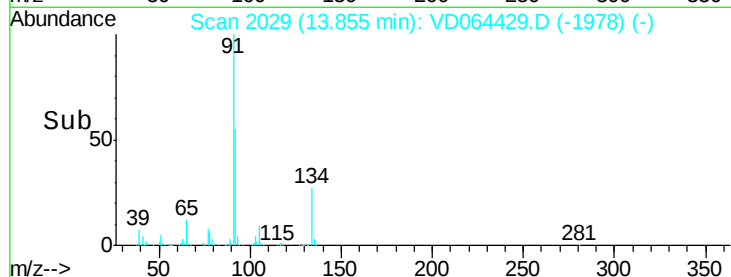
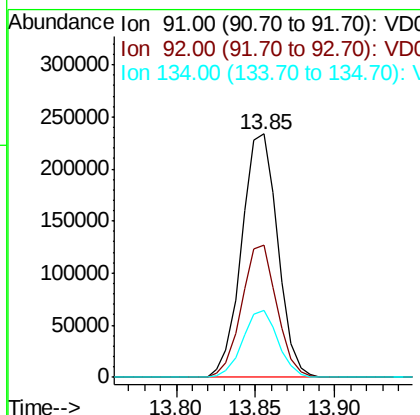
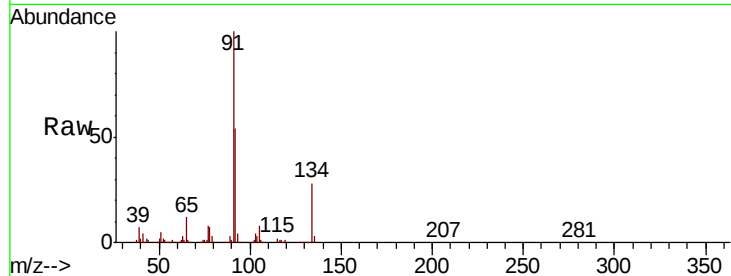
#89
n-Butylbenzene
Concen: 20.844 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VD1205SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.5	79.4
134	27.1	13.9	41.7

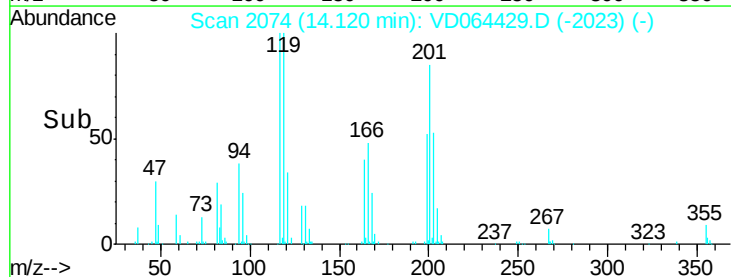
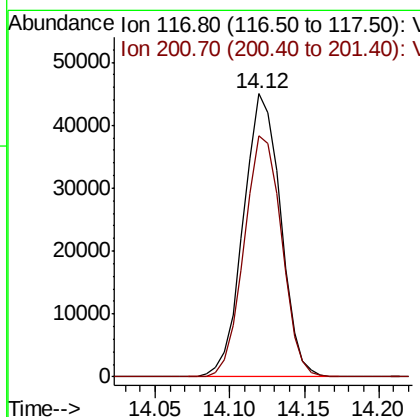
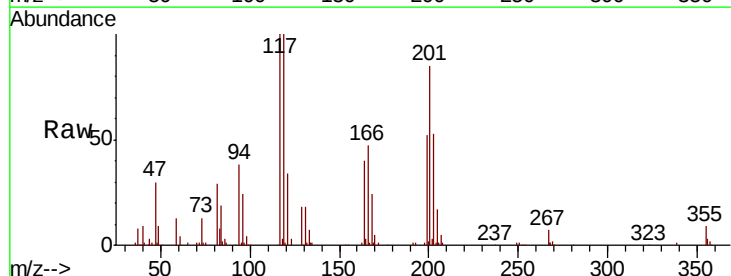
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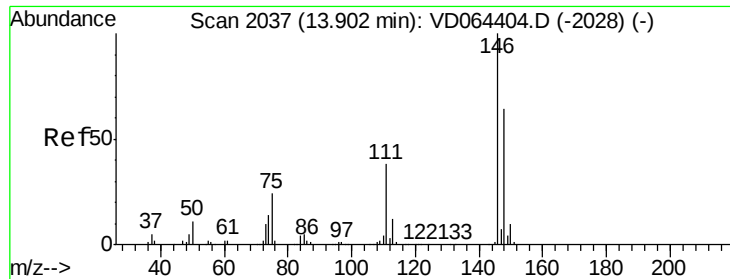
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#90
Hexachloroethane
Concen: 21.357 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064429.D
Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	44.3	132.8





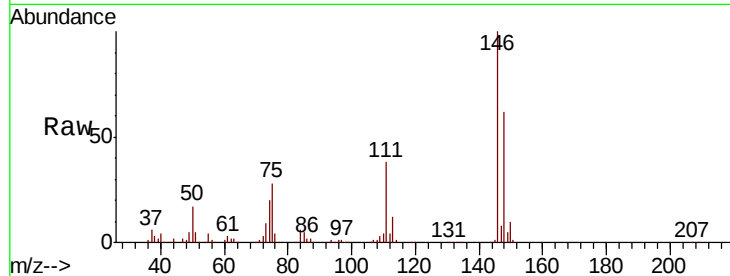
#91
 1,2-Dichlorobenzene
 Concen: 20.255 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

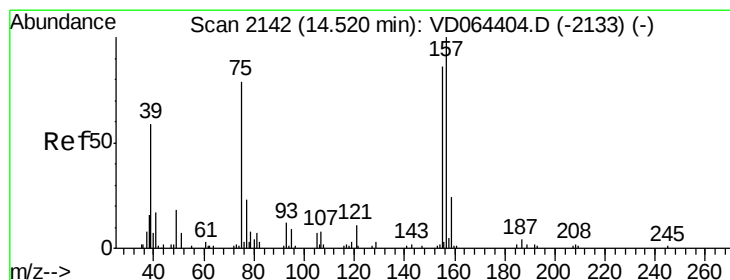
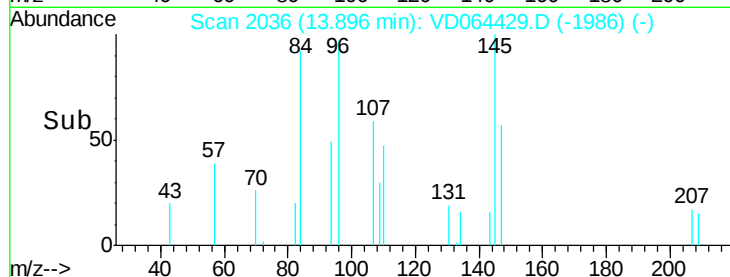
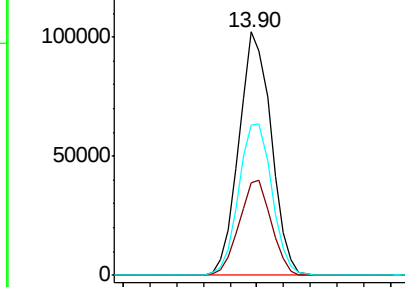
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.3
148	64.0	32.0	96.0

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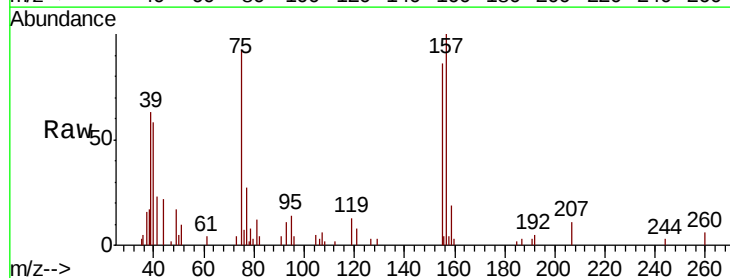


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

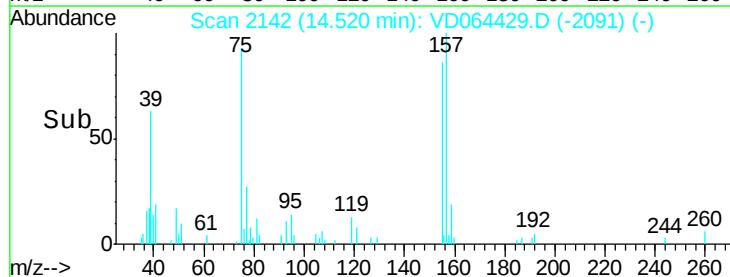
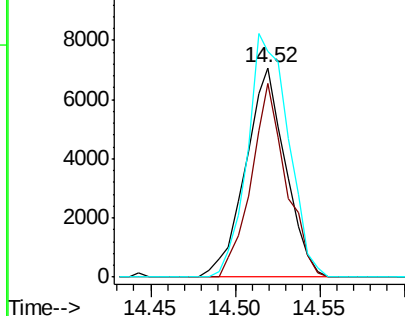


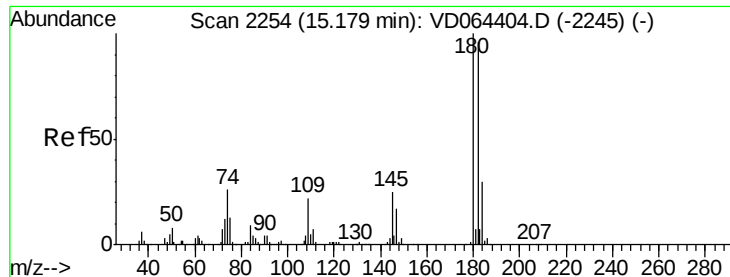
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.597 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.2	51.9	155.7
157	118.9	63.2	189.8



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





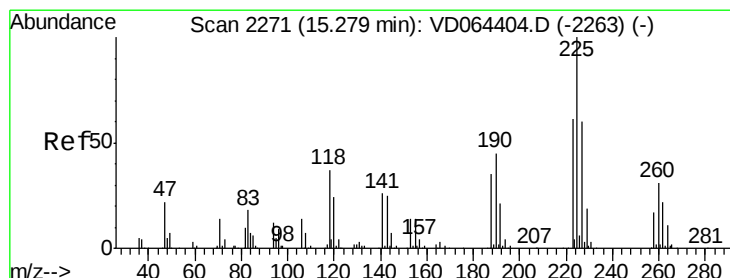
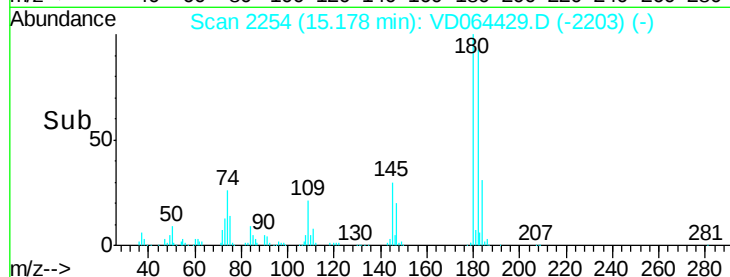
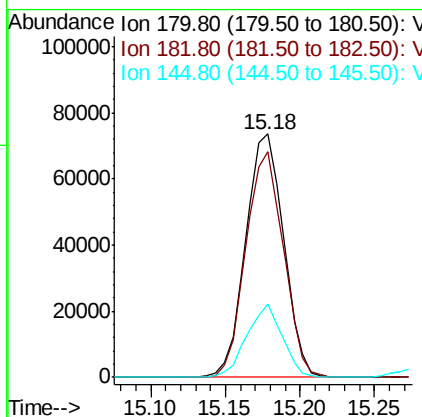
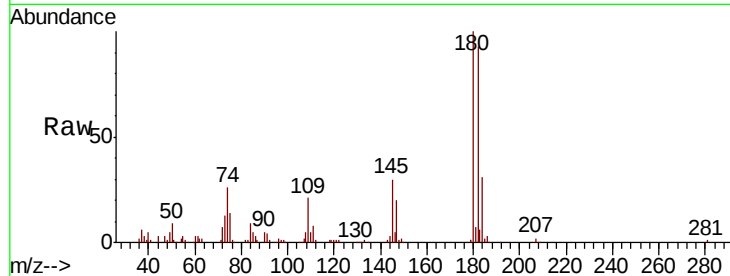
#93
 1,2,4-Trichlorobenzene
 Concen: 19.952 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1205SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	129545		
182	91.9	47.4	142.3	
145	28.2	14.0	41.9	

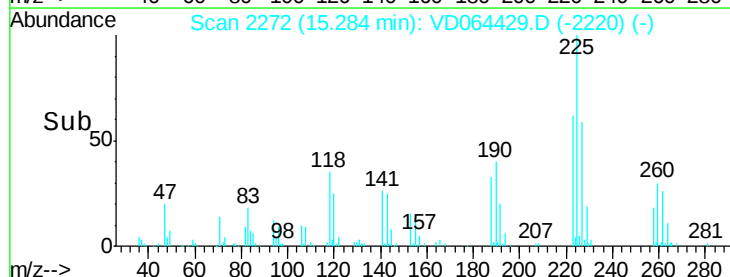
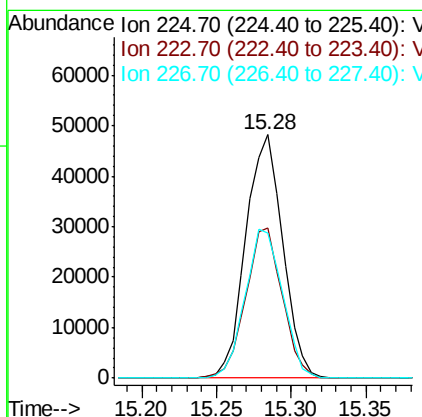
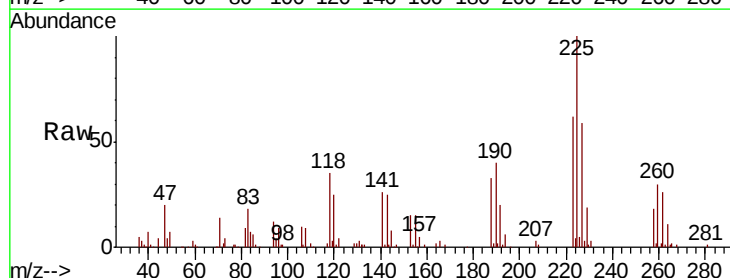
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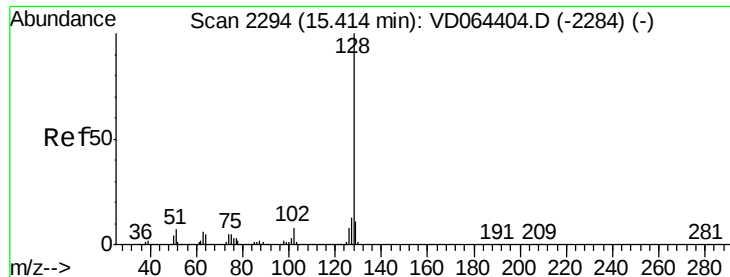
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#94
 Hexachlorobutadiene
 Concen: 20.583 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064429.D
 Acq: 05 Dec 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	82504		
223	60.8	31.1	93.3	
227	61.7	31.8	95.4	





#95

Naphthalene

Concen: 18.632 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Instrument :

MSVOA_D

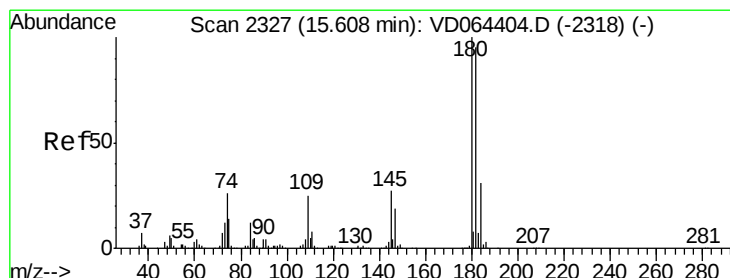
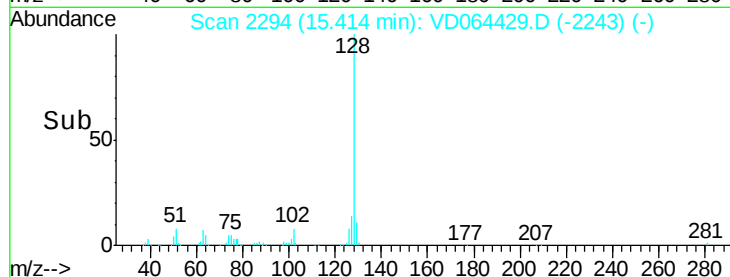
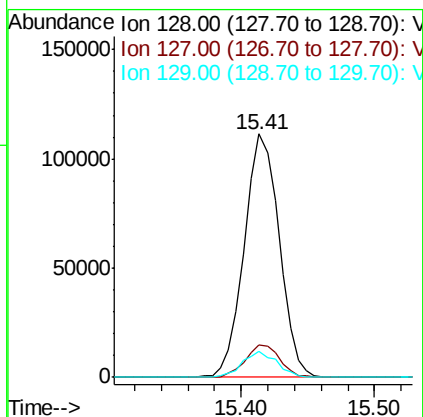
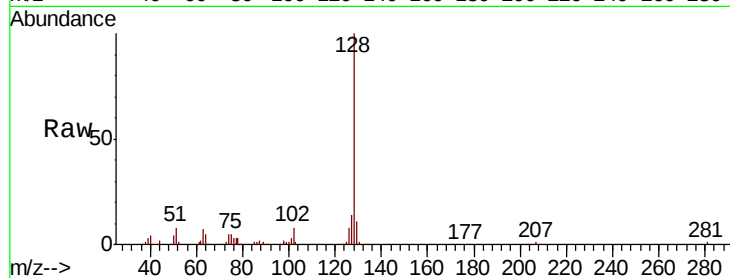
ClientSampleId :

VD1205SBS01

Tot Ion:	128	Resp:	201895
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.4	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.509 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD064429.D

Acq: 05 Dec 2019 11:47

Tgt Ion:	180	Resp:	108126
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.6	142.9
145	30.5	14.6	43.8

