

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041720\
 Data File : VD065644.D
 Acq On : 17 Apr 2020 15:00
 Operator : VA/SY
 Sample : VD0417SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 4:28:21 PM

Quant Time: Apr 20 07:19:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	245316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	345281	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	327332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168586	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	94669	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
35) Dibromofluoromethane	7.91	113	97917	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	
50) Toluene-d8	10.34	98	365458	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
62) 4-Bromofluorobenzene	12.64	95	120234	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	35971	17.609	ug/l	97
3) Chloromethane	2.21	50	42897	19.242	ug/l	100
4) Vinyl Chloride	2.35	62	46199	19.075	ug/l	98
5) Bromomethane	2.76	94	28305	21.518	ug/l	92
6) Chloroethane	2.91	64	27680	19.224	ug/l	94
7) Trichlorofluoromethane	3.27	101	67276	19.484	ug/l	98
8) Diethyl Ether	3.70	74	13323	18.785	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	31730	20.158	ug/l	97
10) Methyl Iodide	4.29	142	29942	17.108	ug/l	98
11) Tert butyl alcohol	5.25	59	9910m	97.055	ug/l	
12) 1,1-Dichloroethene	4.06	96	27452	19.402	ug/l	97
13) Acrolein	3.92	56	8117	87.886	ug/l	100
14) Allyl chloride	4.71	41	42663	19.424	ug/l	99
15) Acrylonitrile	5.43	53	43564	102.001	ug/l	96
16) Acetone	4.16	43	28773	96.407	ug/l	99
17) Carbon Disulfide	4.40	76	93843	19.261	ug/l	99
18) Methyl Acetate	4.72	43	15080	18.466	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	79522	19.847	ug/l	96
20) Methylene Chloride	4.96	84	34341	17.877	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	46926	20.525	ug/l	96
22) Diisopropyl ether	6.37	45	130366	19.964	ug/l	98
23) Vinyl Acetate	6.31	43	334194	94.783	ug/l	97
24) 1,1-Dichloroethane	6.26	63	81744	19.813	ug/l	99
25) 2-Butanone	7.22	43	53462	96.004	ug/l	98
26) 2,2-Dichloropropane	7.21	77	71097	19.771	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	48735	19.214	ug/l	99
28) Bromochloromethane	7.54	49	34133	20.715	ug/l	99
29) Tetrahydrofuran	7.57	42	33569	95.006	ug/l	95
30) Chloroform	7.71	83	83126	19.686	ug/l	96
31) Cyclohexane	7.98	56	76603	19.491	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	75764	19.956	ug/l	99
36) 1,1-Dichloropropene	8.11	75	64241	19.269	ug/l	100
37) Ethyl Acetate	7.30	43	26128	19.651	ug/l	98
38) Carbon Tetrachloride	8.10	117	70969	19.872	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	74969	19.323	ug/l	98
40) Benzene	8.35	78	186174	19.422	ug/l	99
41) Methacrylonitrile	7.53	41	14419	21.896	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	51765	19.705	ug/l	100
43) Isopropyl Acetate	8.46	43	44428	18.556	ug/l	98
44) Trichloroethene	9.11	130	50735	18.908	ug/l	89
45) 1,2-Dichloropropane	9.39	63	45298	19.255	ug/l	98
46) Dibromomethane	9.48	93	22390	18.404	ug/l	97
47) Bromodichloromethane	9.67	83	63222	19.515	ug/l	94
48) Methyl methacrylate	9.46	41	19829	16.669	ug/l	93
49) 1,4-Dioxane	9.47	88	4826	346.059	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	115774	92.931	ug/l	98
52) Toluene	10.40	92	118439	20.043	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	57666	19.386	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	70014	19.448	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	34217	19.885	ug/l	98
56) Ethyl methacrylate	10.67	69	33266	17.849	ug/l	96
57) 1,3-Dichloropropane	10.95	76	53557	18.278	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	92088	96.979	ug/l	98
59) 2-Hexanone	10.99	43	74918	88.298	ug/l	97
60) Dibromochloromethane	11.14	129	42854	18.909	ug/l	100
61) 1,2-Dibromoethane	11.25	107	31573	19.069	ug/l	100
64) Tetrachloroethene	10.88	164	46255	19.694	ug/l	94
65) Chlorobenzene	11.67	112	128037	19.756	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	47032	18.981	ug/l	97
67) Ethyl Benzene	11.75	91	215621	19.468	ug/l	99
68) m/p-Xylenes	11.86	106	171167	40.002	ug/l	99
69) o-Xylene	12.18	106	72380	19.278	ug/l	100
70) Styrene	12.20	104	132964	20.008	ug/l	100
71) Bromoform	12.37	173	26219	18.835	ug/l #	100
73) Isopropylbenzene	12.48	105	203096	19.974	ug/l	99
74) N-amyl acetate	12.30	43	39268	18.365	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	34797	18.848	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	22901m	16.895	ug/l	
77) Bromobenzene	12.77	156	52639	19.495	ug/l	99
78) n-propylbenzene	12.83	91	250770	20.387	ug/l	100
79) 2-Chlorotoluene	12.91	91	141547	20.264	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	173605	20.232	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	12162	19.664	ug/l	99
82) 4-Chlorotoluene	13.01	91	149684	19.913	ug/l	98
83) tert-Butylbenzene	13.23	119	141397	19.653	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	175957	20.569	ug/l	99
85) sec-Butylbenzene	13.41	105	199594	19.391	ug/l	99
86) p-Isopropyltoluene	13.53	119	192547	19.933	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	106199	20.088	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	102365	19.453	ug/l	97
89) n-Butylbenzene	13.86	91	163445	18.642	ug/l	98
90) Hexachloroethane	14.12	117	40156	19.822	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	83640	18.451	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	5456	19.541	ug/l	93

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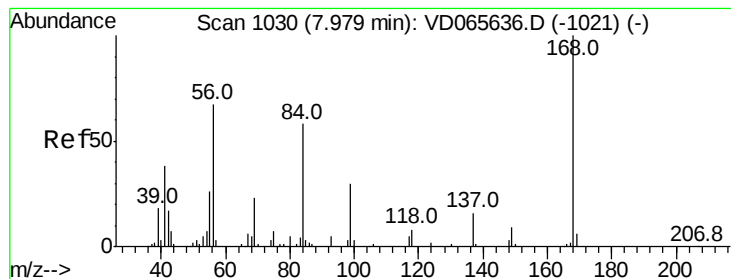
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	59743	19.162	ug/l	99
94) Hexachlorobutadiene	15.28	225	42507	19.884	ug/l	98
95) Naphthalene	15.41	128	83506	18.451	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	52921	19.239	ug/l	100

(#) = 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: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion:168 Resp: 245316

Ion Ratio Lower Upper

168 100

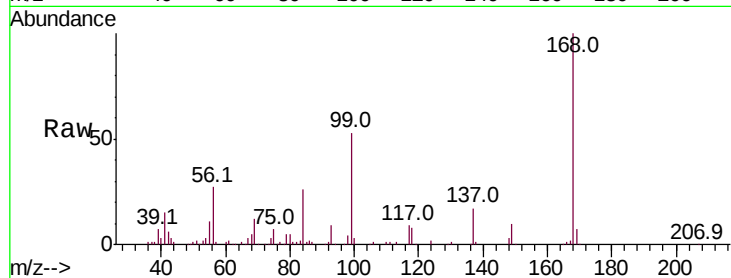
99 52.9 40.3 60.5

Manual Integrations

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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

120000

100000

80000

60000

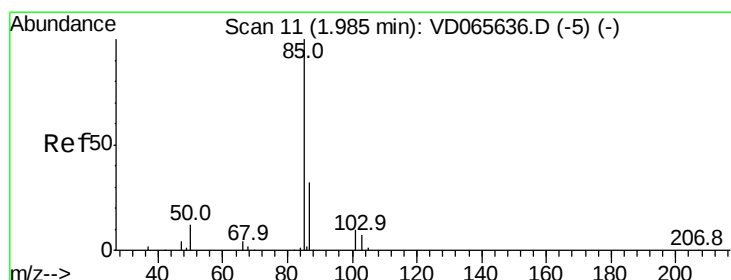
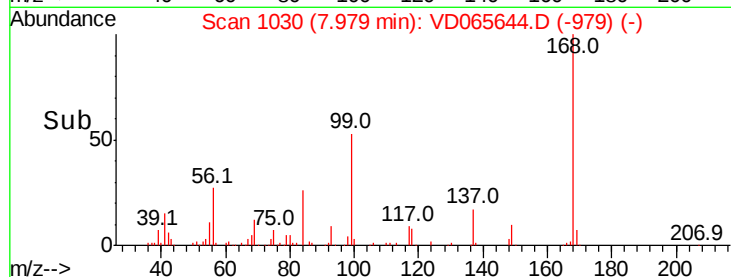
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.609 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065644.D

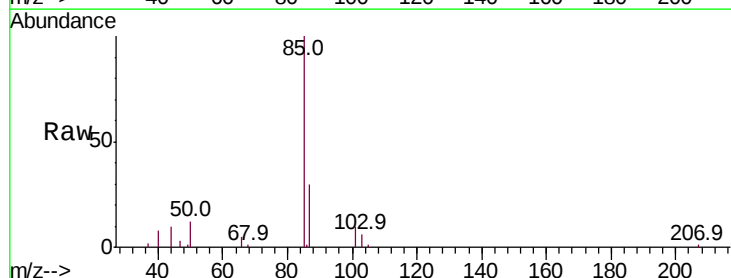
Acq: 17 Apr 2020 15:00

Tgt Ion: 85 Resp: 35971

Ion Ratio Lower Upper

85 100

87 30.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

25000

20000

15000

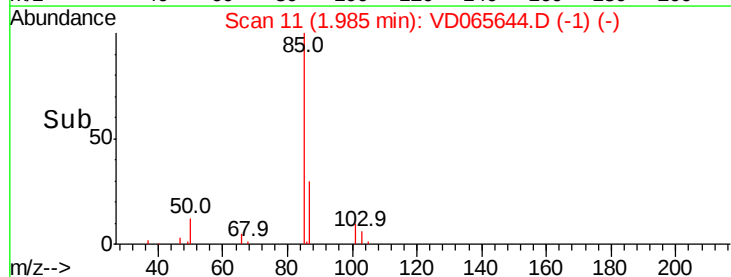
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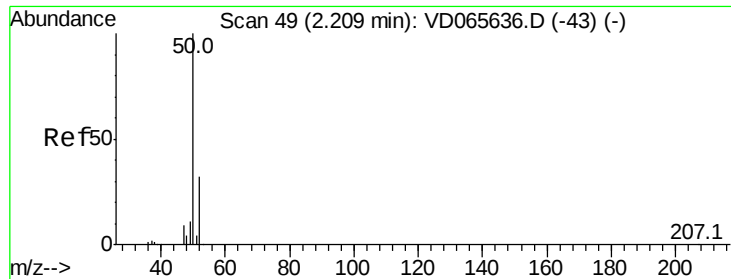
5000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.242 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 50 Resp: 42897

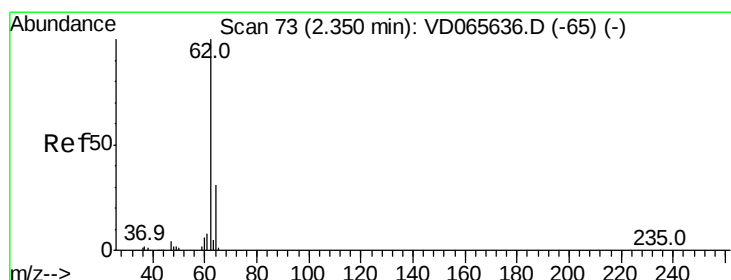
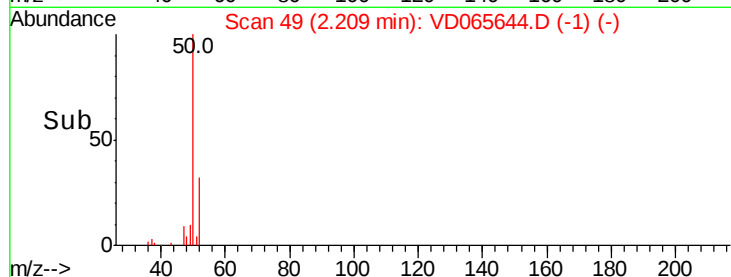
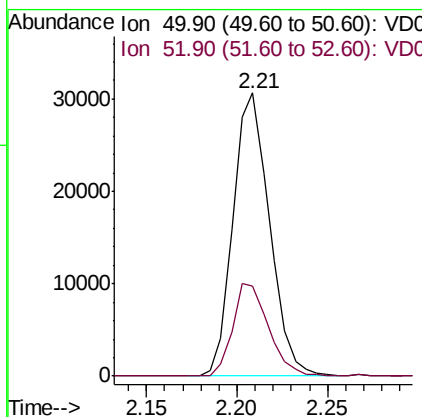
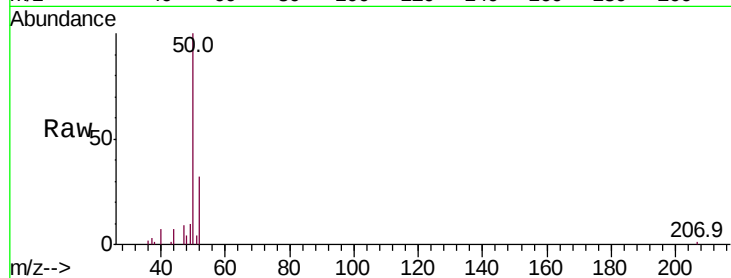
Ion Ratio Lower Upper

50 100

52 31.9 25.7 38.5

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#4

Vinyl Chloride

Concen: 19.075 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065644.D

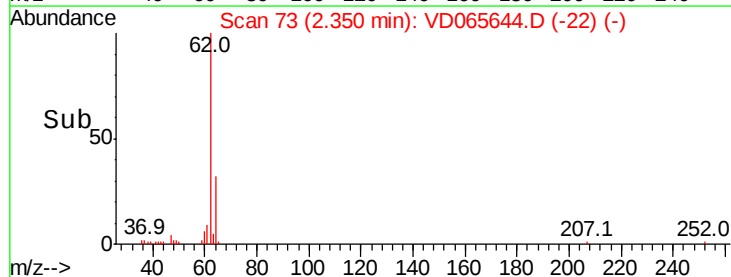
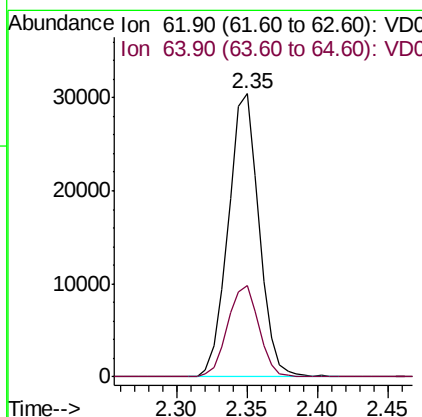
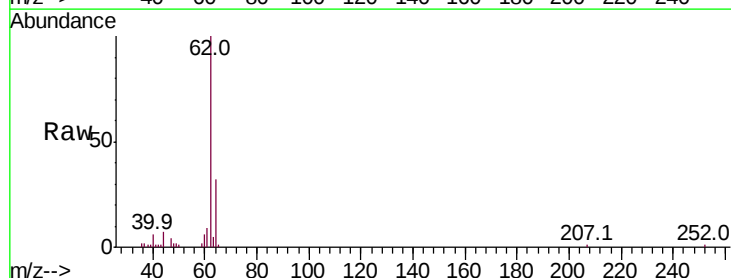
Acq: 17 Apr 2020 15:00

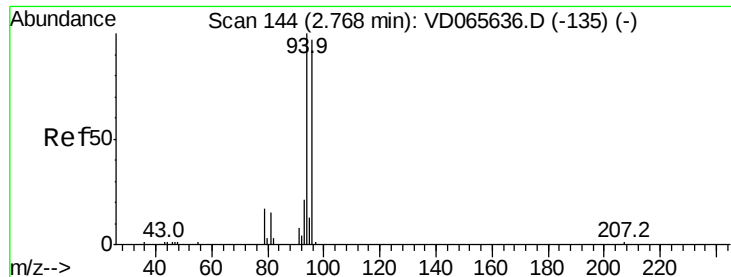
Tgt Ion: 62 Resp: 46199

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7





#5

Bromomethane

Concen: 21.518 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 94 Resp: 28305

Ion Ratio Lower Upper

94 100

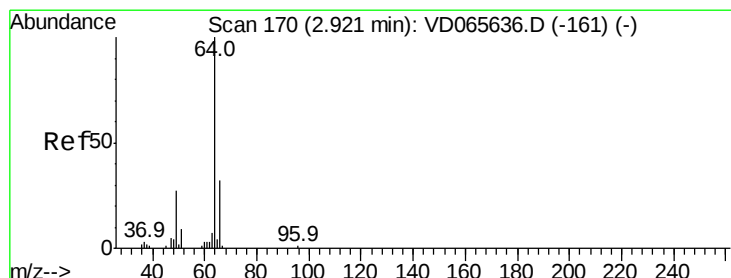
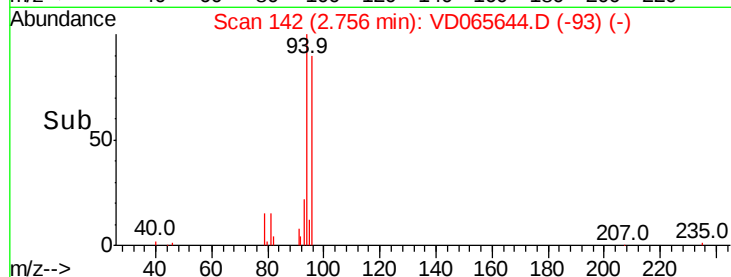
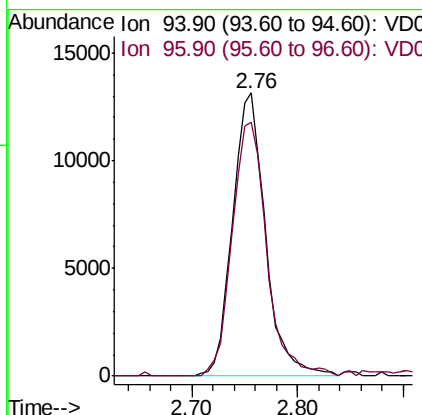
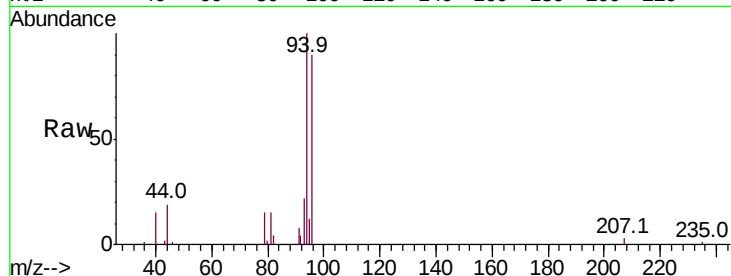
96 89.7 77.9 116.9

Manual Integrations

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4/20/2020 4:28:21 PM



#6

Chloroethane

Concen: 19.224 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD065644.D

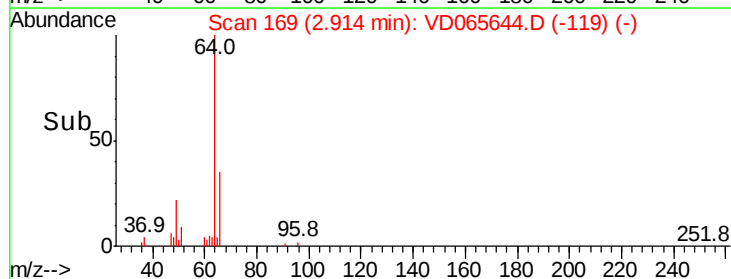
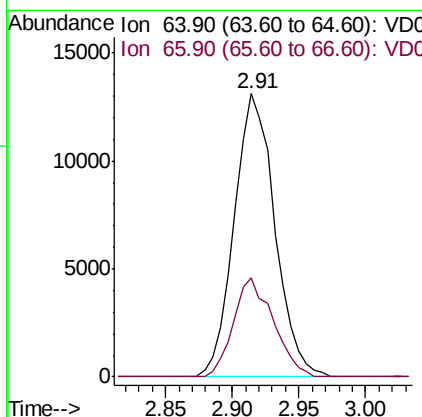
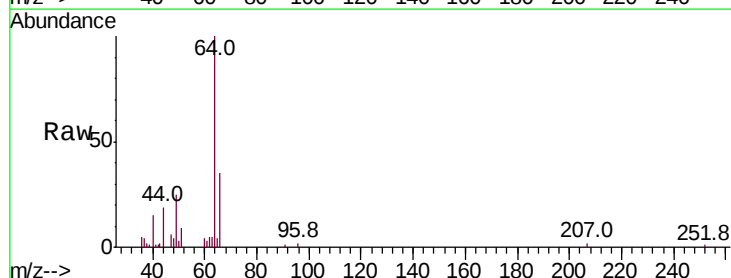
Acq: 17 Apr 2020 15:00

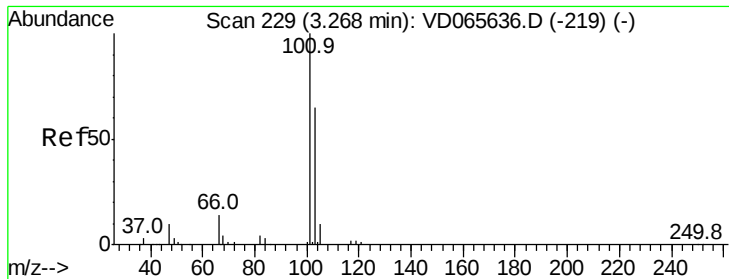
Tgt Ion: 64 Resp: 27680

Ion Ratio Lower Upper

64 100

66 35.1 25.6 38.4





#7

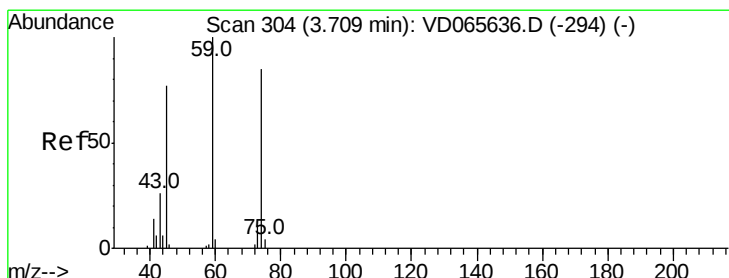
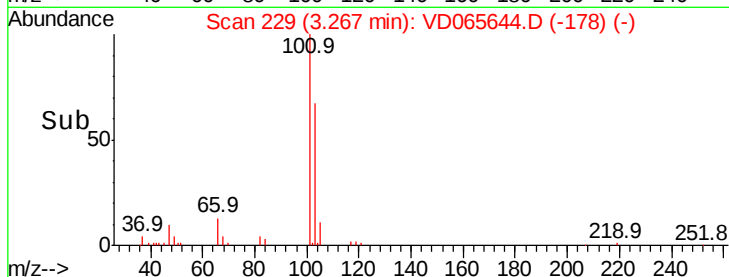
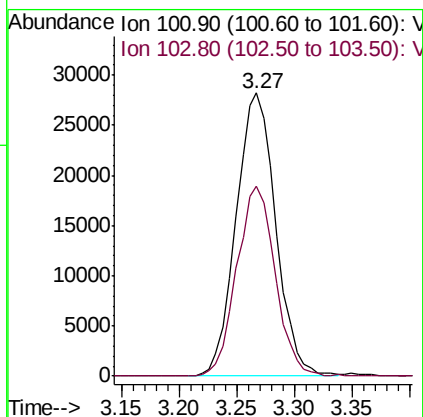
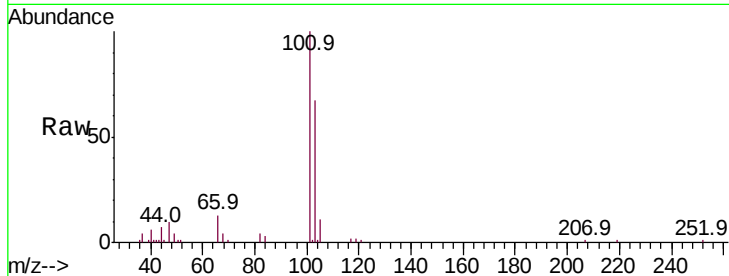
Trichlorofluoromethane
Concen: 19.484 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
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ClientSampleId :
VD0417SBS01

Tot Ion:101 Resp: 67276
Ion Ratio Lower Upper
101 100
103 67.2 52.2 78.4

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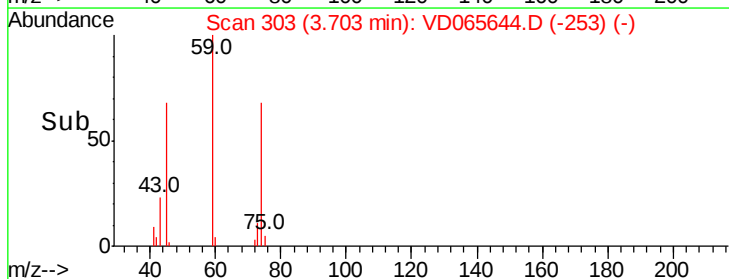
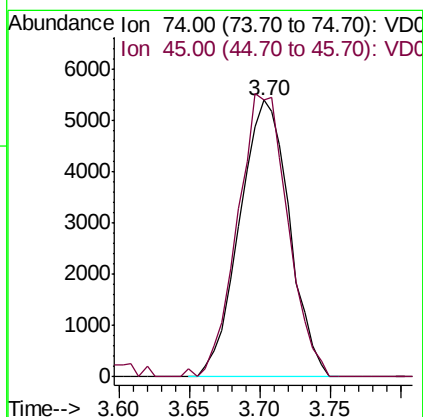
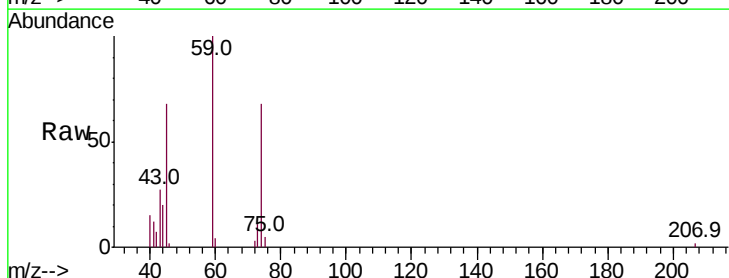
MMDadoda
4/20/2020 4:28:21 PM

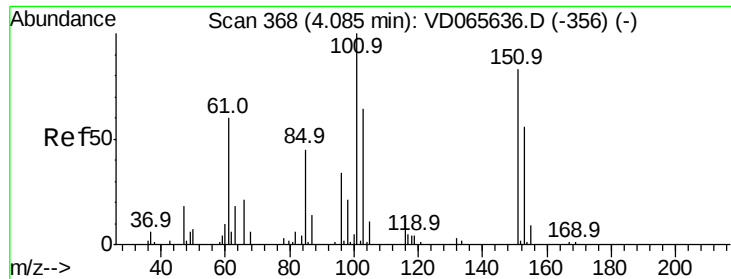


#8

Diethyl Ether
Concen: 18.785 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 74 Resp: 13323
Ion Ratio Lower Upper
74 100
45 103.4 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.158 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

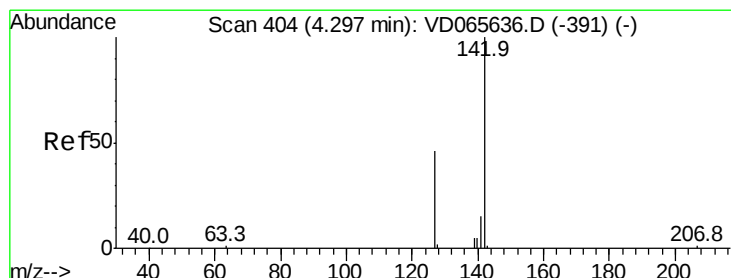
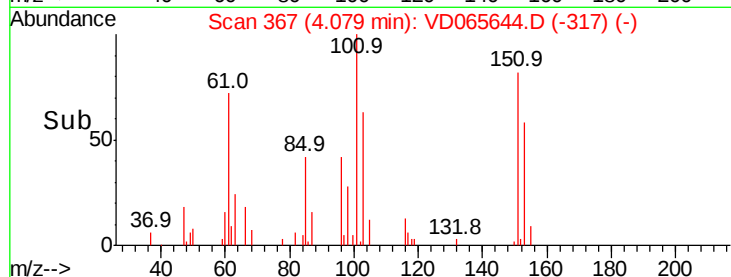
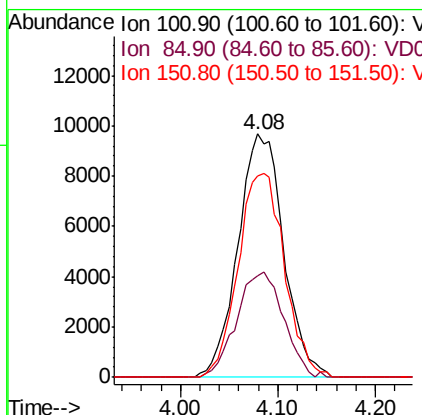
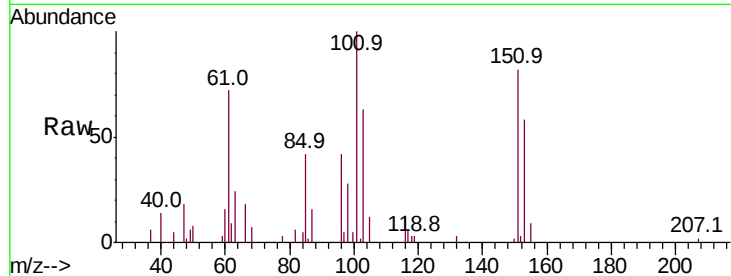
ClientSampleId :

VD0417SBS01

Tot Ion:	101	Resp:	31730
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.2	54.2
151	84.8	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 17.108 ug/l

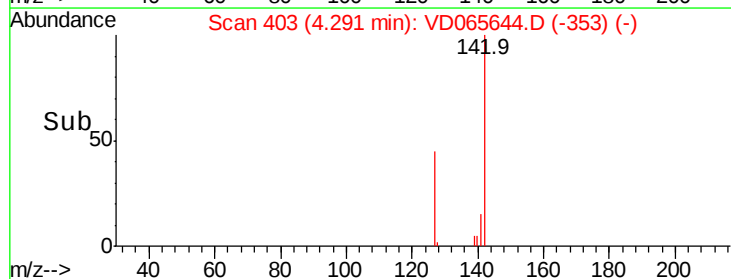
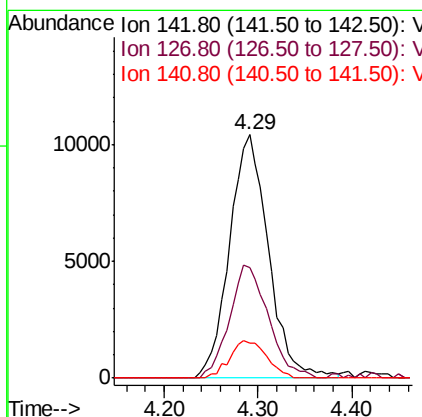
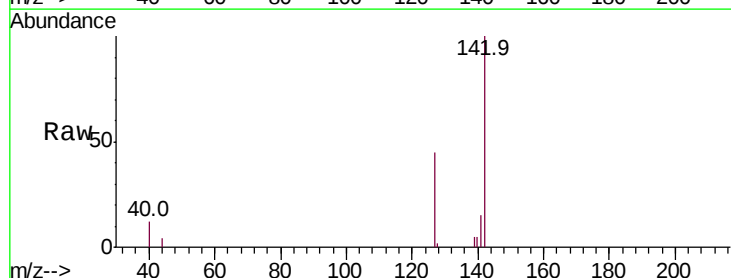
RT: 4.29 min Scan# 403

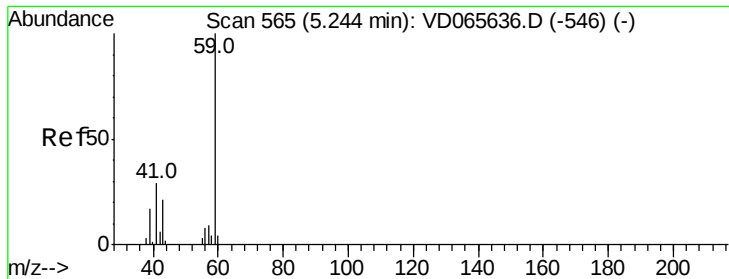
Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Tgt Ion:	142	Resp:	29942
Ion Ratio	Lower	Upper	
142	100		
127	46.2	38.1	57.1
141	14.7	12.1	18.1





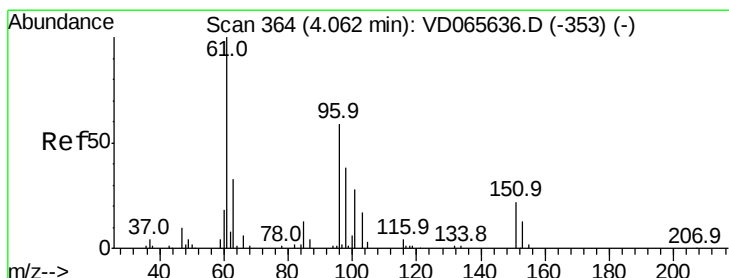
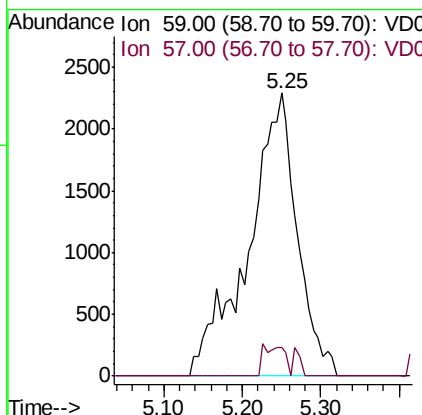
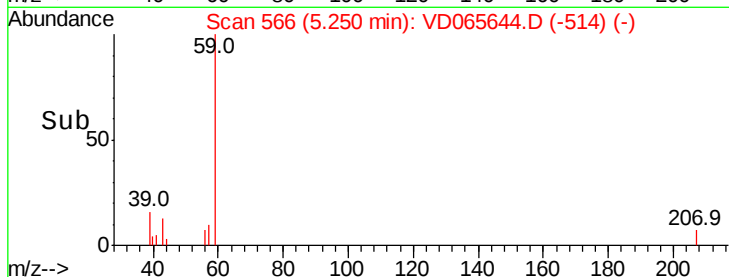
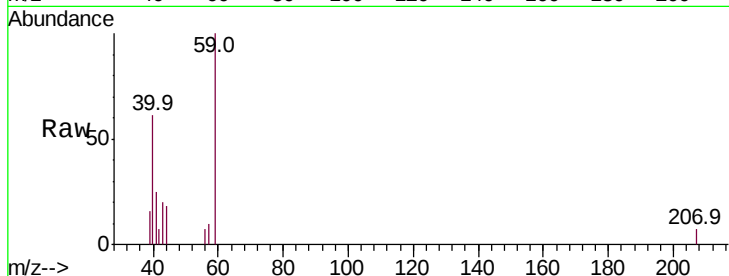
#11
Tert butyl alcohol
Concen: 97.055 ug/l m
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 59 Resp: 9910
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

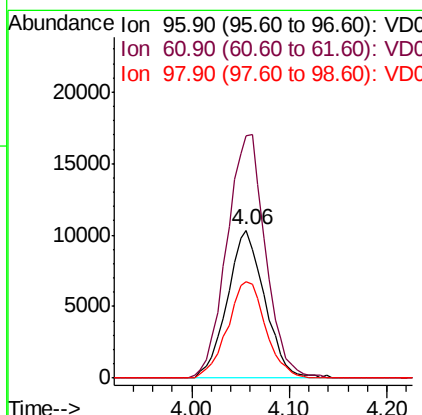
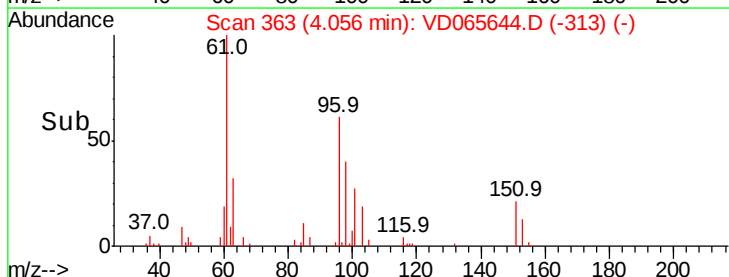
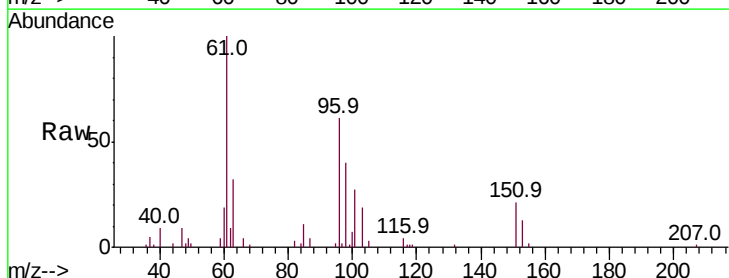
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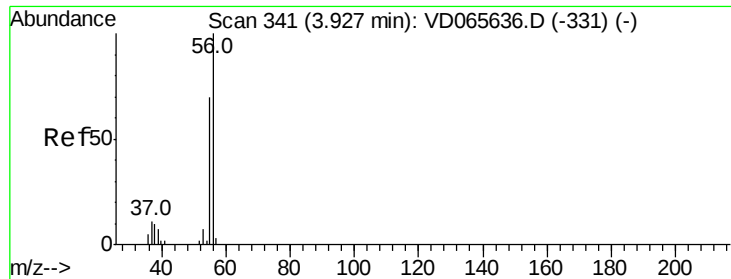
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#12
1,1-Dichloroethene
Concen: 19.402 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 96 Resp: 27452
Ion Ratio Lower Upper
96 100
61 163.8 136.2 204.2
98 64.9 52.2 78.2





#13

Acrolein

Concen: 87.886 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 56 Resp: 8117

Ion Ratio Lower Upper

56 100

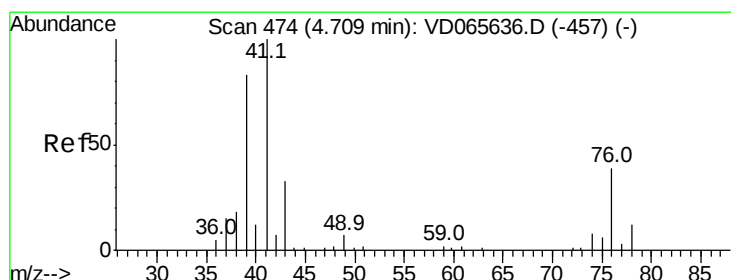
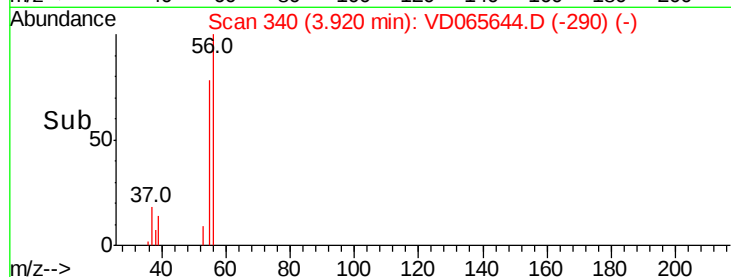
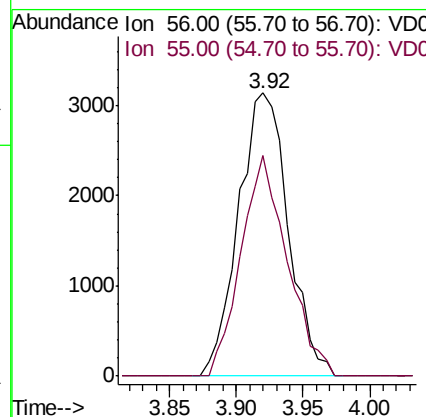
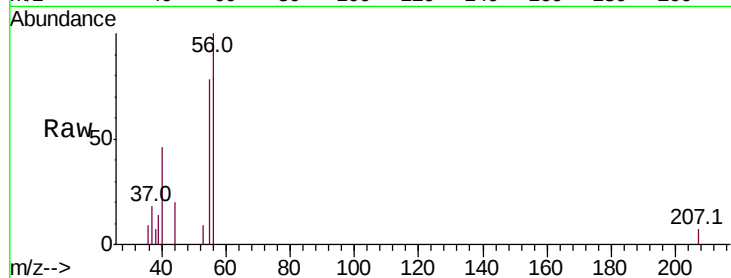
55 72.5 58.2 87.2

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#14

Allyl chloride

Concen: 19.424 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

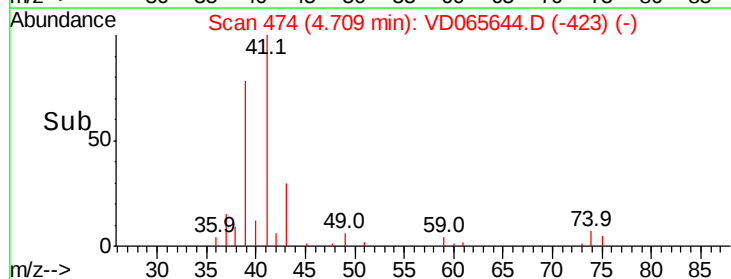
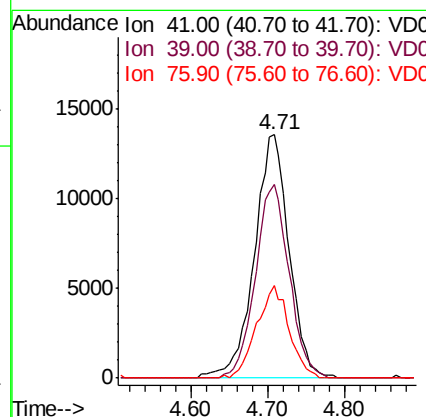
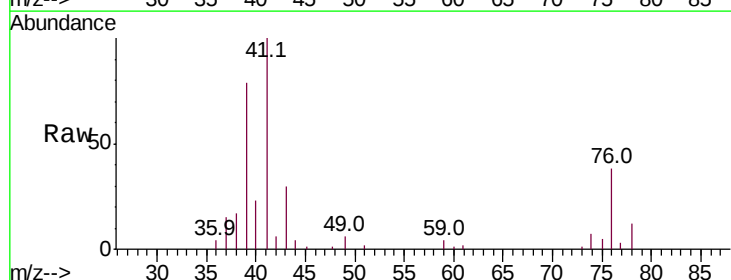
Tgt Ion: 41 Resp: 42663

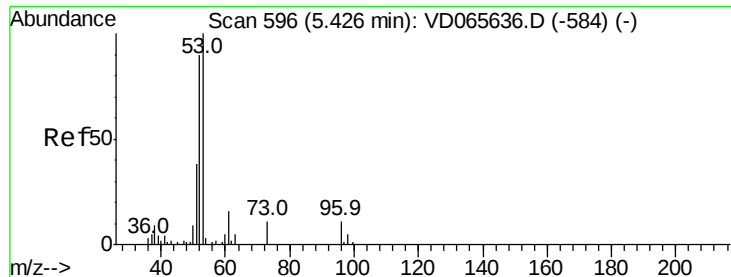
Ion Ratio Lower Upper

41 100

39 77.3 62.5 93.7

76 35.4 29.1 43.7





#15

Acrylonitrile

Concen: 102.001 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

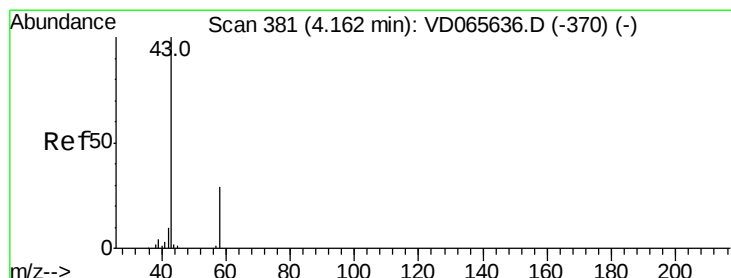
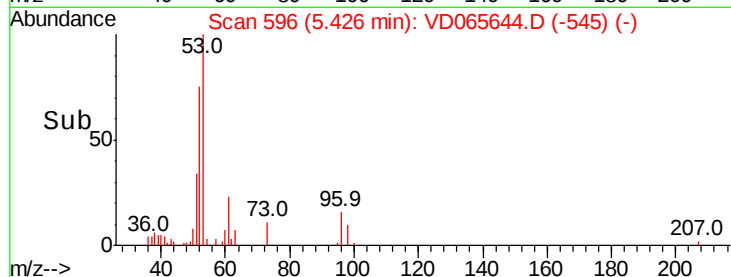
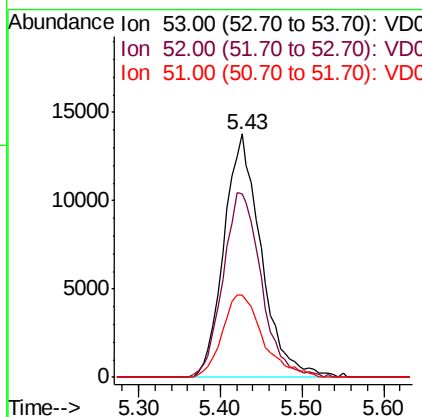
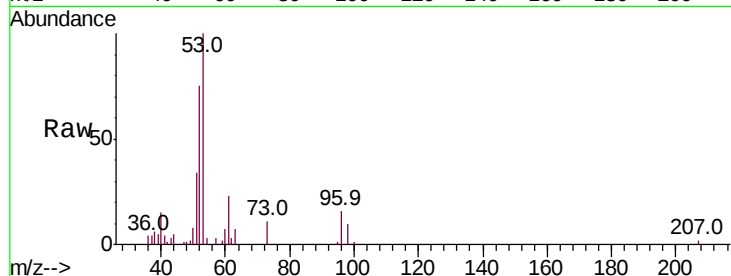
ClientSampleId :

VD0417SBS01

Tot Ion:	53	Resp:	43564
Ion	Ratio	Lower	Upper
53	100		
52	78.1	65.8	98.6
51	37.0	30.9	46.3

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#16

Acetone

Concen: 96.407 ug/l

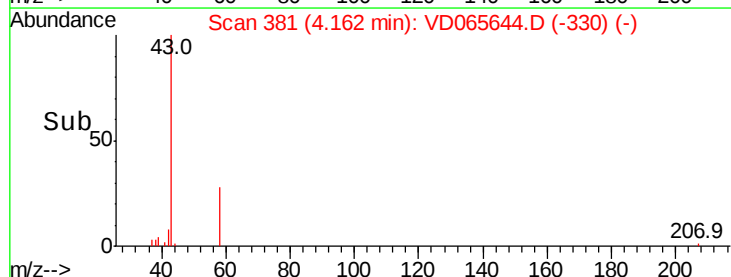
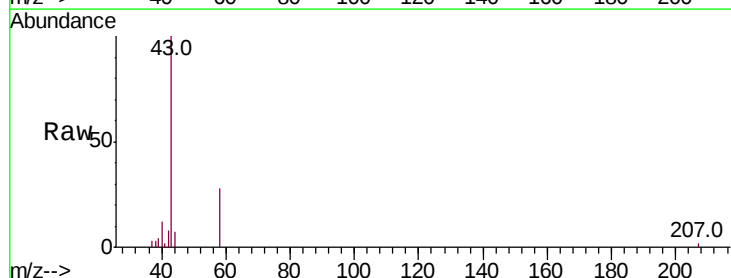
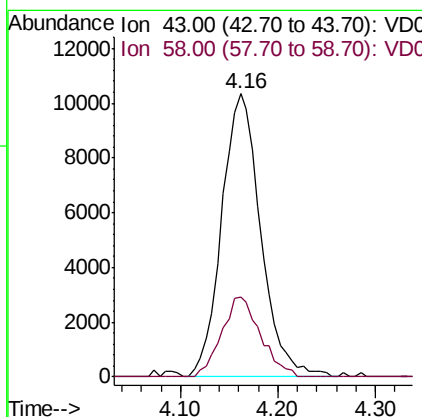
RT: 4.16 min Scan# 381

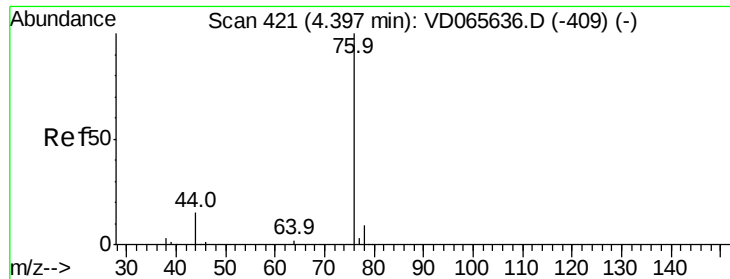
Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Tgt Ion:	43	Resp:	28773
Ion	Ratio	Lower	Upper
43	100		
58	28.1	22.9	34.3





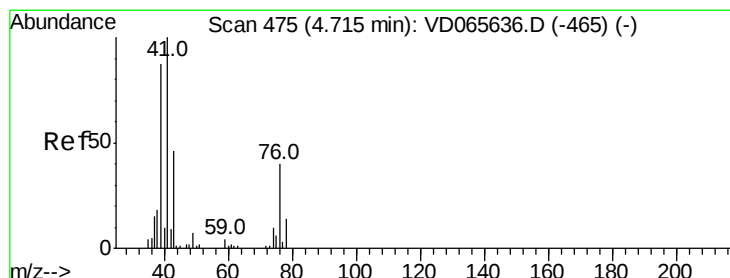
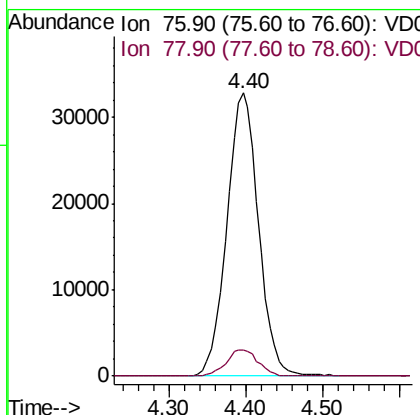
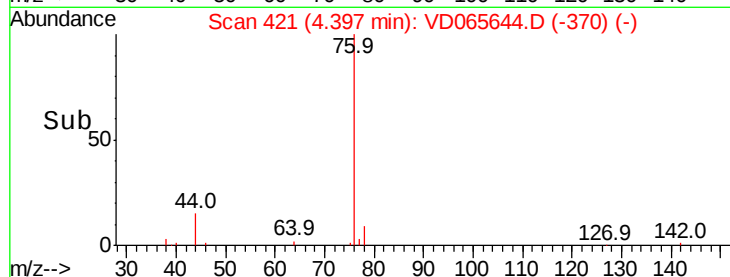
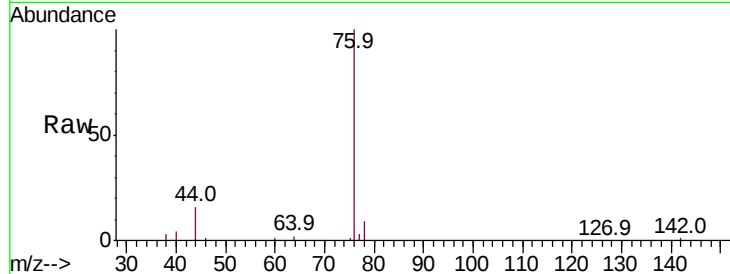
#17
Carbon Disulfide
Concen: 19.261 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 76 Resp: 93843
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

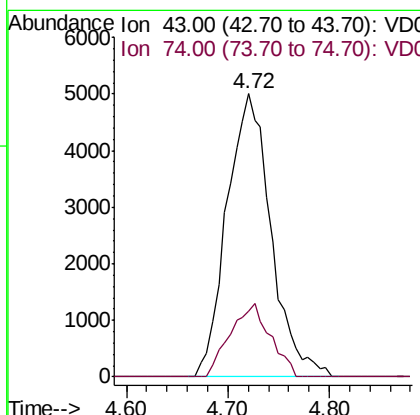
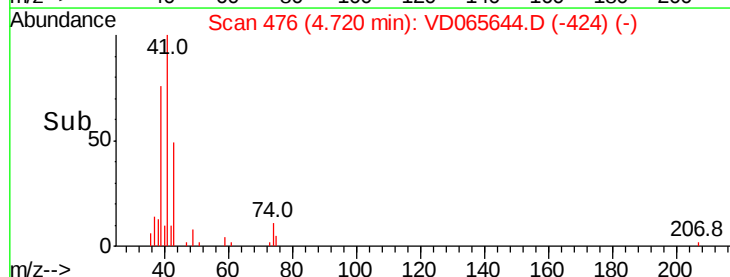
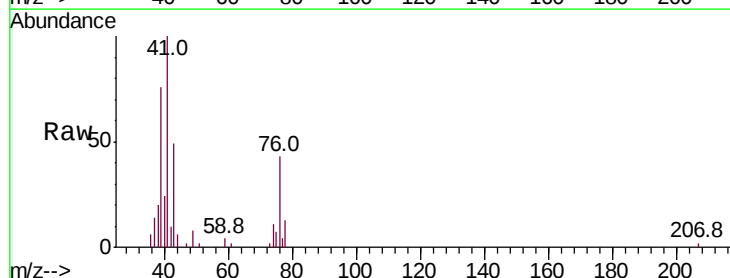
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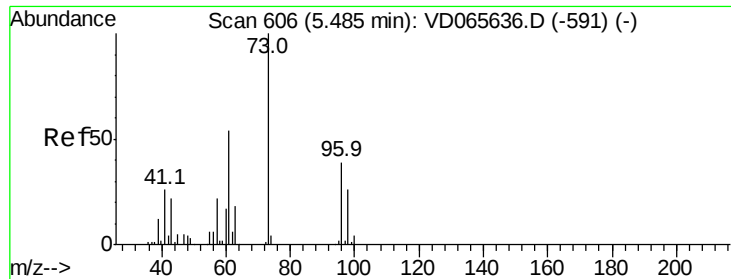
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#18
Methyl Acetate
Concen: 18.466 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 43 Resp: 15080
Ion Ratio Lower Upper
43 100
74 23.5 18.6 28.0





#19

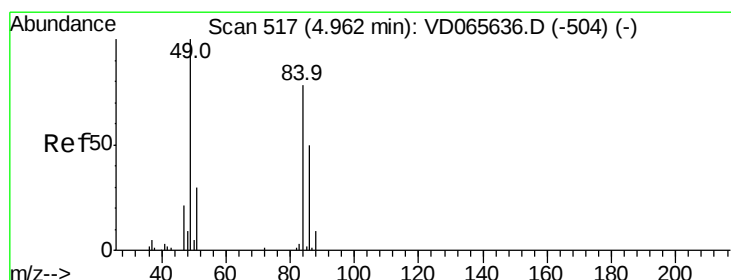
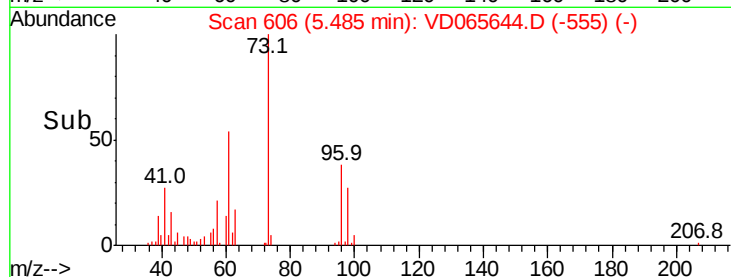
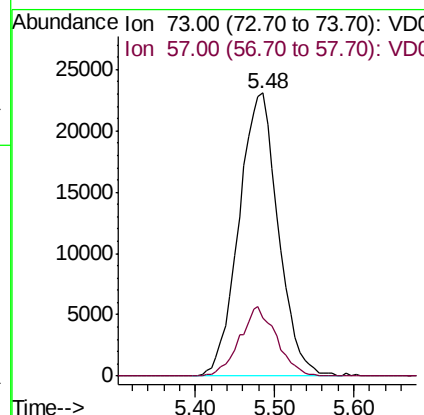
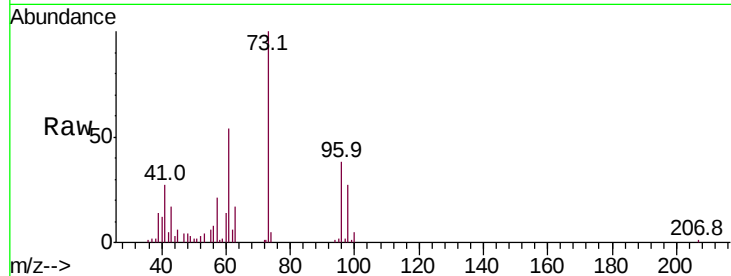
Methyl tert-butyl Ether
 Concen: 19.847 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion: 73 Resp: 79522
 Ion Ratio Lower Upper
 73 100
 57 20.5 17.8 26.8

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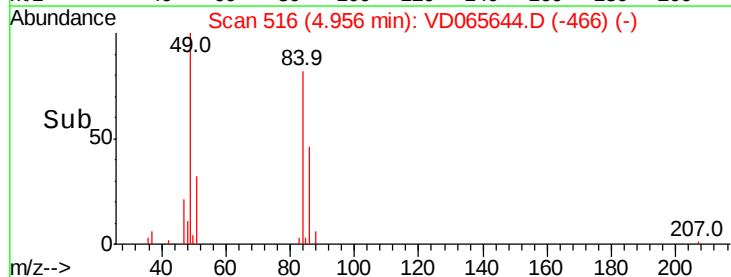
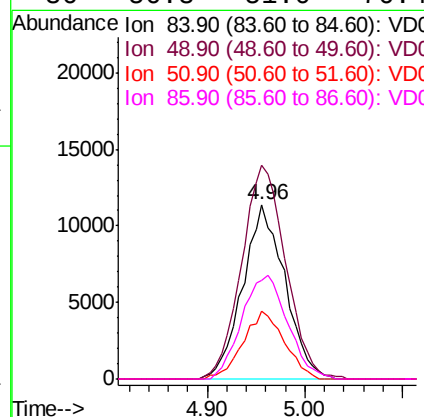
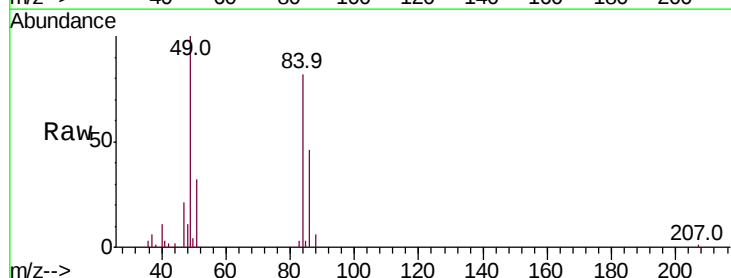
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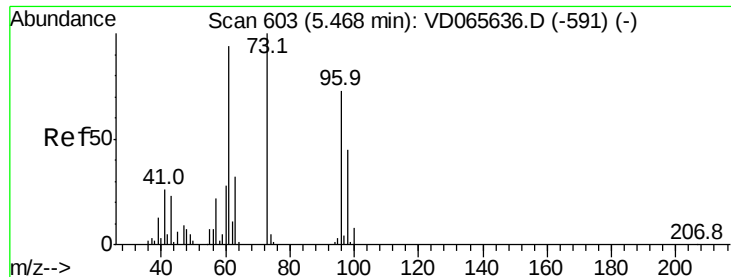


#20

Methylene Chloride
 Concen: 17.877 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 84 Resp: 34341
 Ion Ratio Lower Upper
 84 100
 49 122.7 102.0 153.0
 51 39.1 30.8 46.2
 86 56.8 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 20.525 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 96 Resp: 46926

Ion Ratio Lower Upper

96 100

61 133.7 102.6 153.8

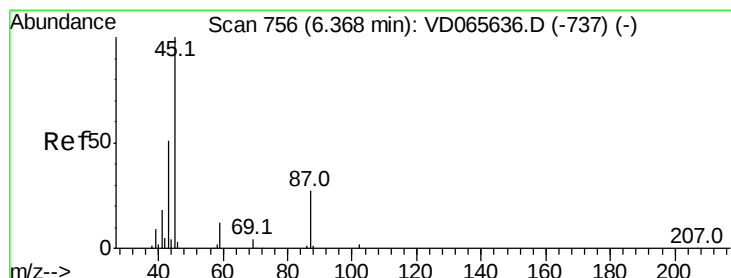
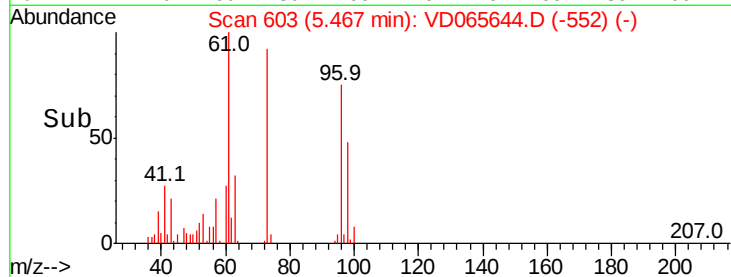
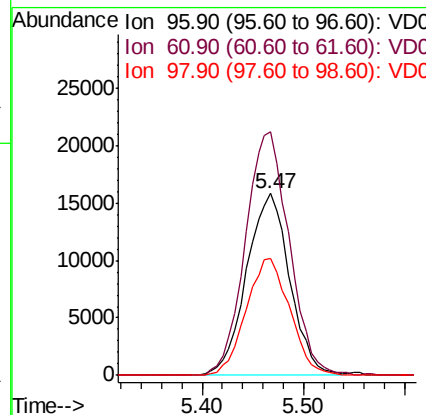
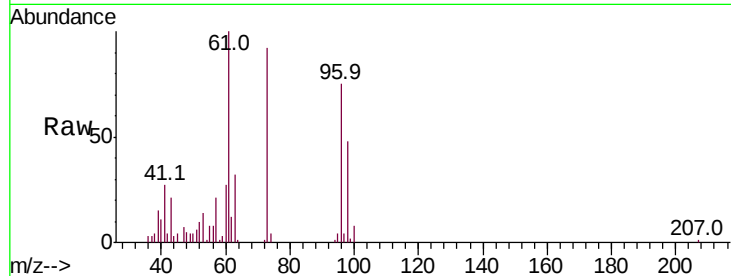
98 64.0 49.4 74.0

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4/20/2020 4:28:21 PM



#22

Diisopropyl ether

Concen: 19.964 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Tgt Ion: 45 Resp: 130366

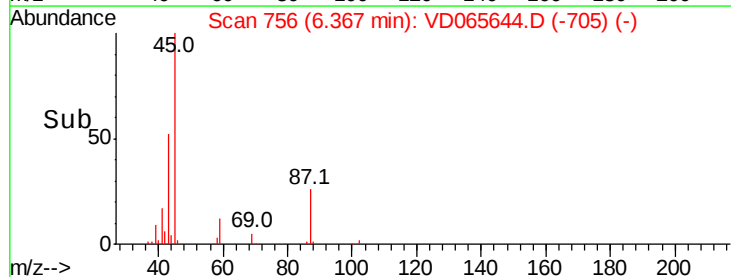
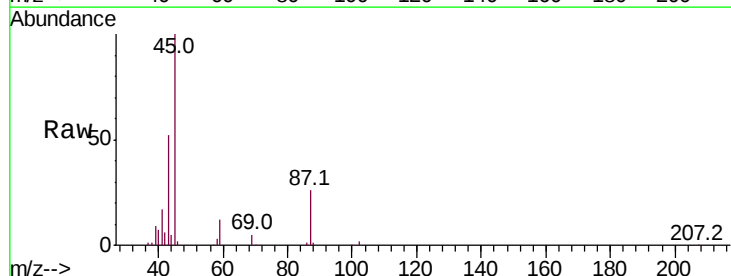
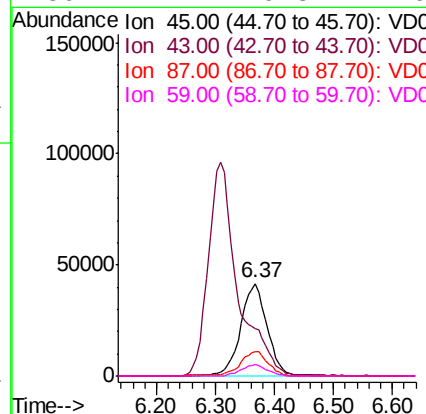
Ion Ratio Lower Upper

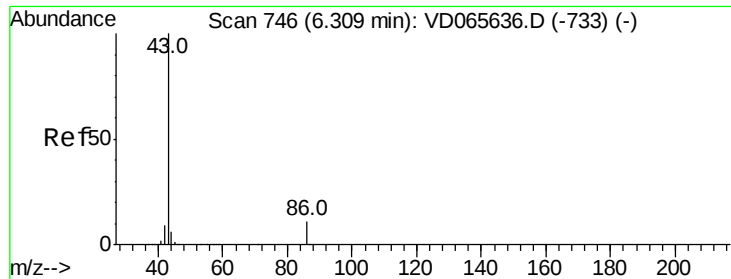
45 100

43 51.2 42.2 63.2

87 26.0 22.1 33.1

59 12.2 9.8 14.6





#23

Vinyl Acetate

Concen: 94.783 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleID :

VD0417SBS01

Tot Ion: 43 Resp: 334194

Ion Ratio Lower Upper

43 100

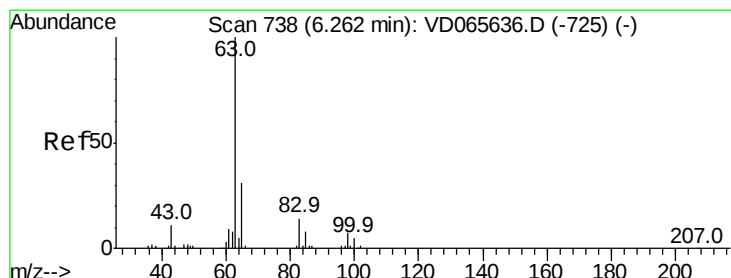
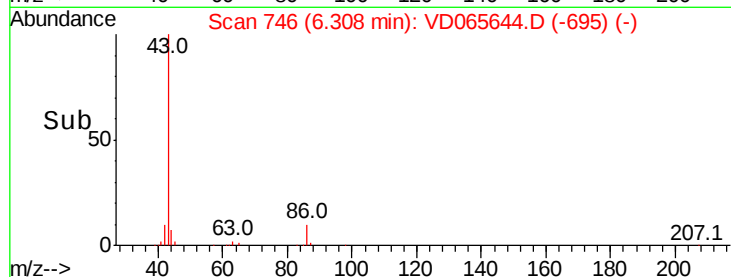
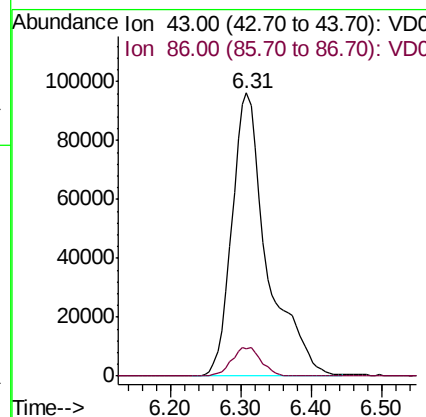
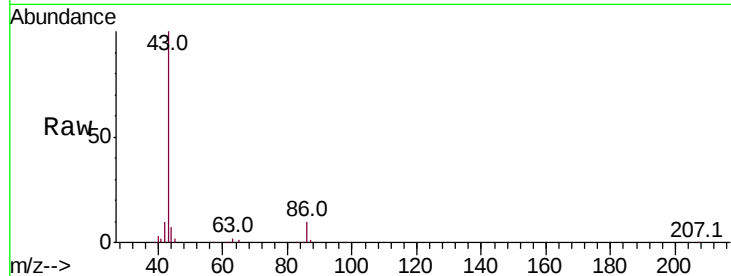
86 9.8 8.7 13.1

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#24

1,1-Dichloroethane

Concen: 19.813 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

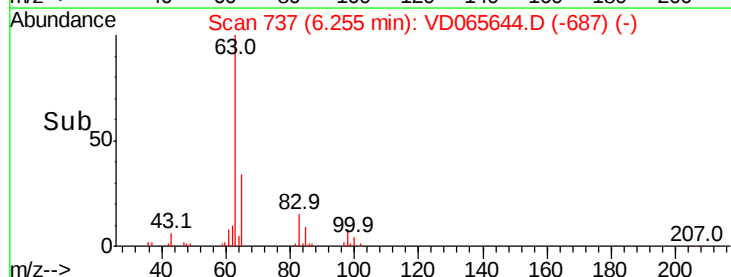
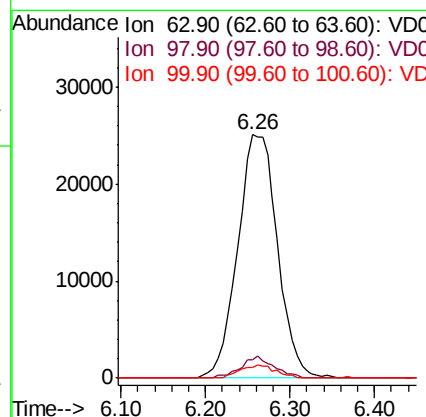
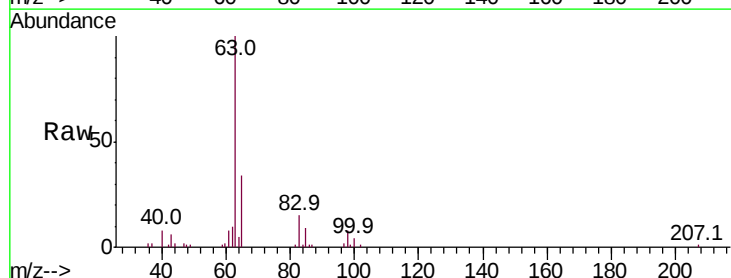
Tgt Ion: 63 Resp: 81744

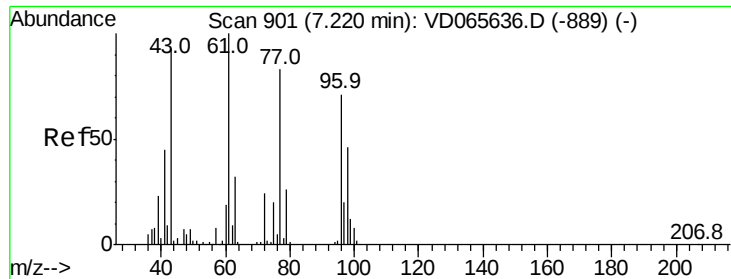
Ion Ratio Lower Upper

63 100

98 7.6 3.6 10.8

100 4.4 2.4 7.2





#25

2-Butanone

Concen: 96.004 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 43 Resp: 53462

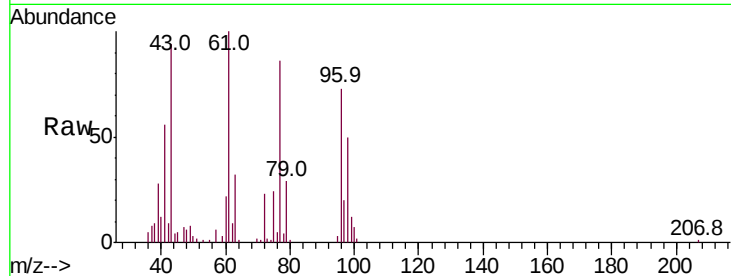
Ion Ratio Lower Upper

43 100

72 24.8 20.5 30.7

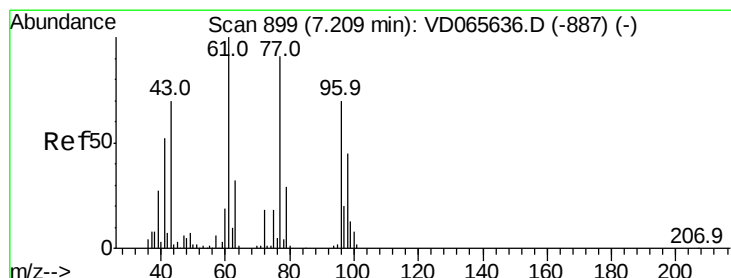
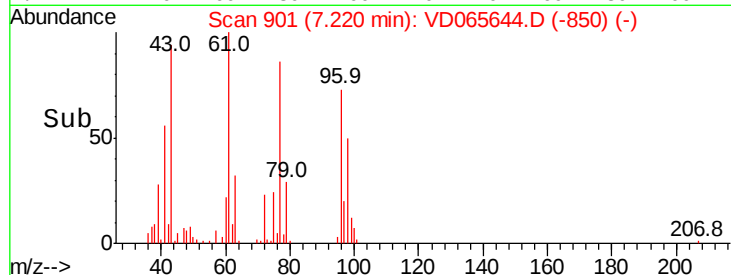
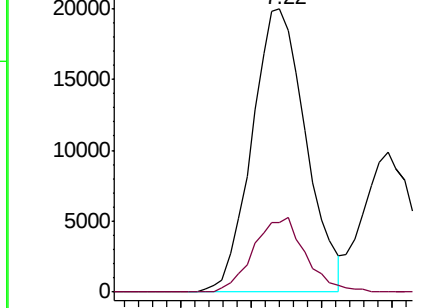
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.771 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065644.D

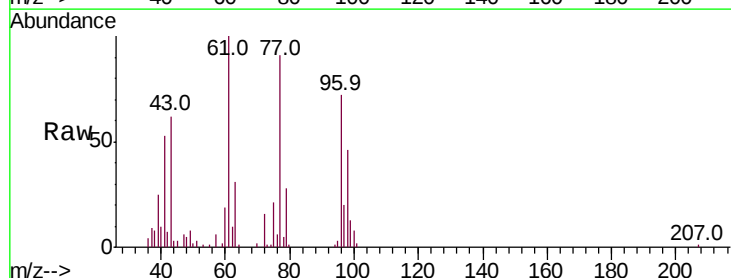
Acq: 17 Apr 2020 15:00

Tgt Ion: 77 Resp: 71097

Ion Ratio Lower Upper

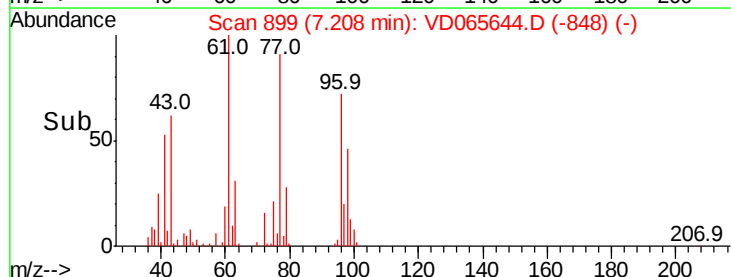
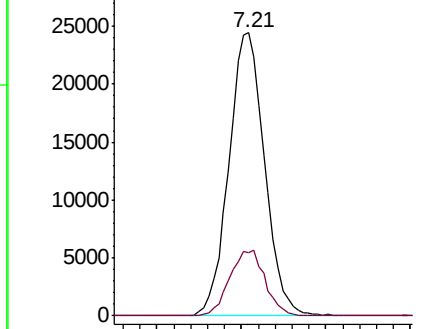
77 100

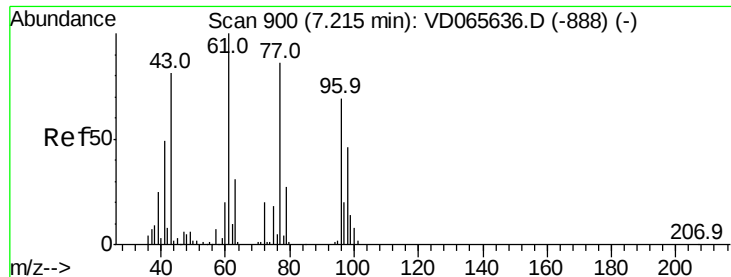
97 23.1 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 19.214 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065644.D

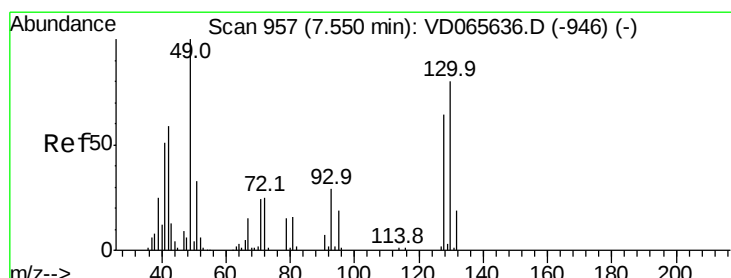
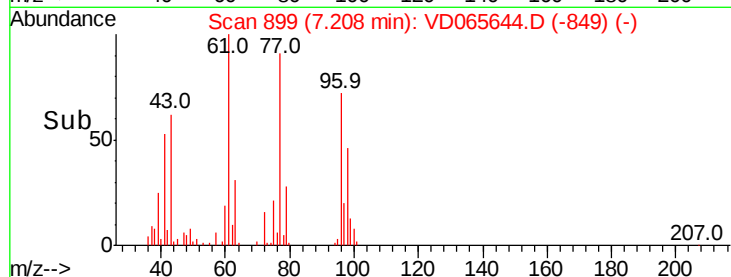
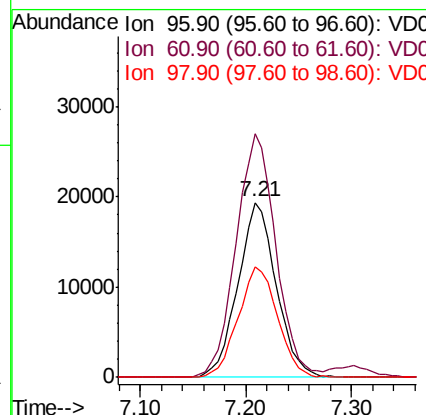
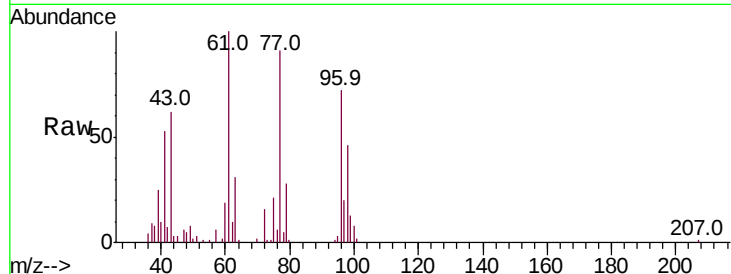
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	48735		
61	144.3	0.0	286.2	
98	64.9	0.0	128.0	

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#28

Bromochloromethane

Concen: 20.715 ug/l

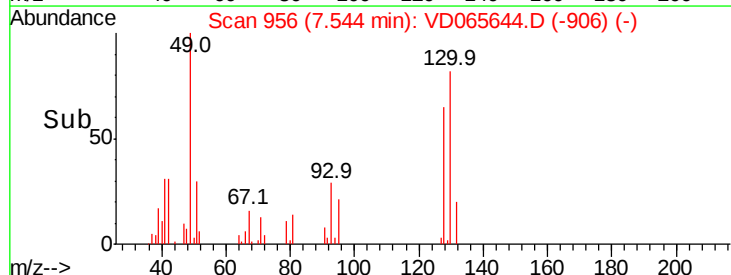
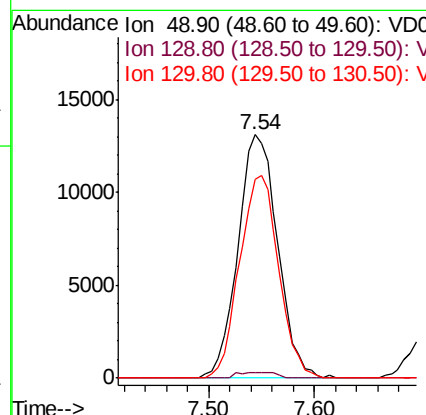
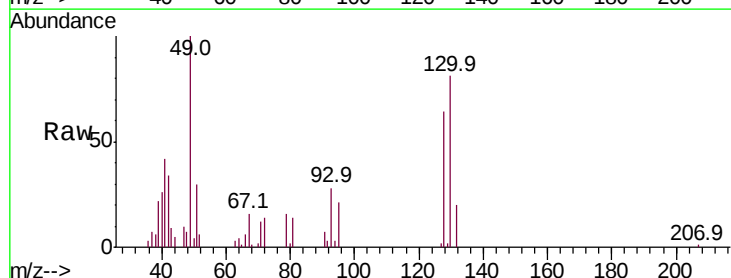
RT: 7.54 min Scan# 956

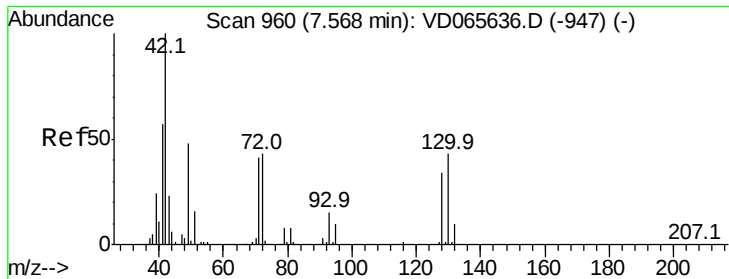
Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	34133		
129	2.1	0.0	4.2	
130	81.8	66.2	99.2	





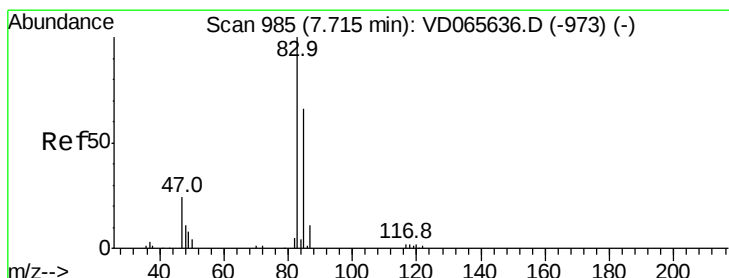
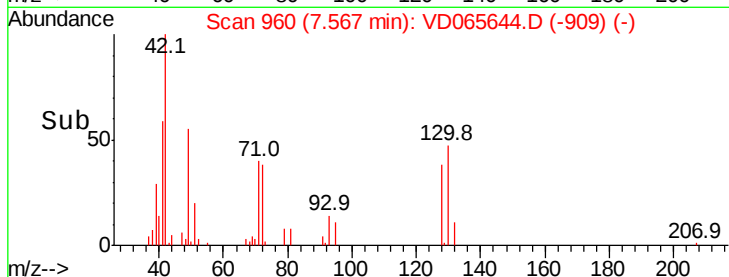
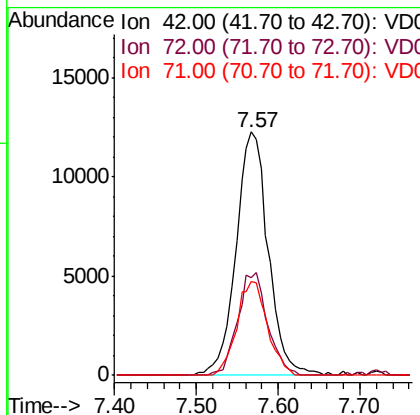
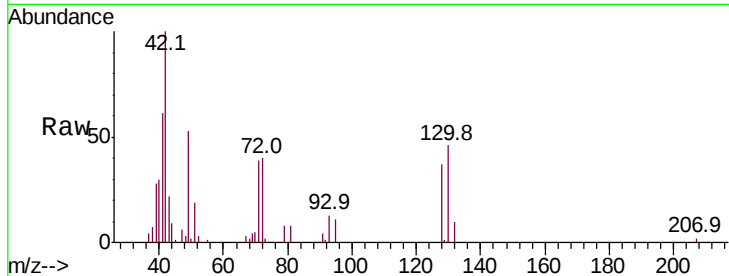
#29
Tetrahydrofuran
Concen: 95.006 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.3	34.4	51.6
71	36.7	31.4	47.0

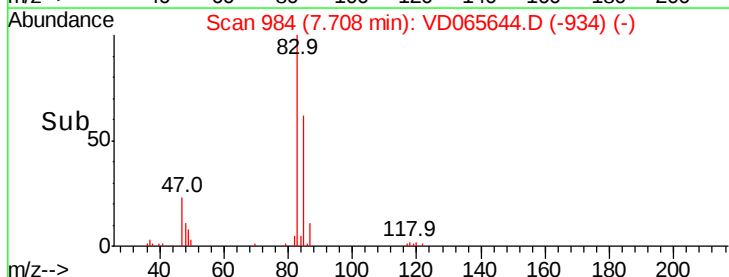
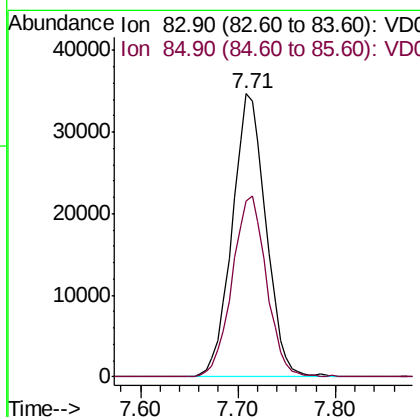
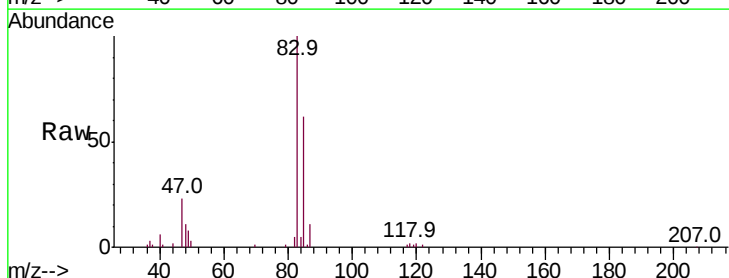
Manual Integrations
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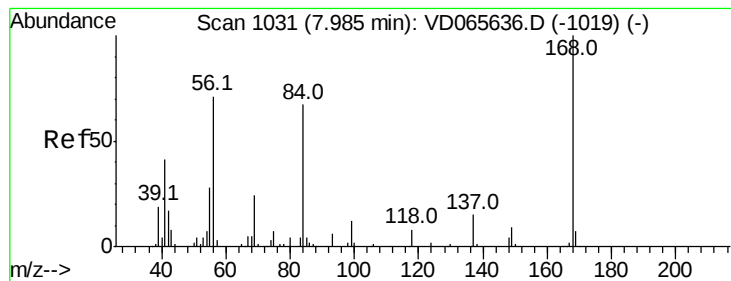
MMDadoda
4/20/2020 4:28:21 PM



#30
Chloroform
Concen: 19.686 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	52.6	78.8





#31

Cyclohexane

Concen: 19.491 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 56 Resp: 76603

Ion Ratio Lower Upper

56 100

69 36.2 26.6 40.0

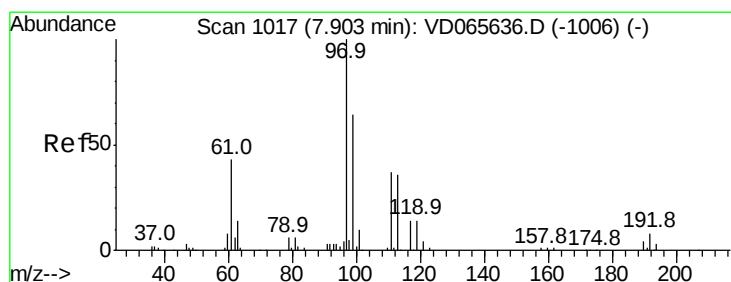
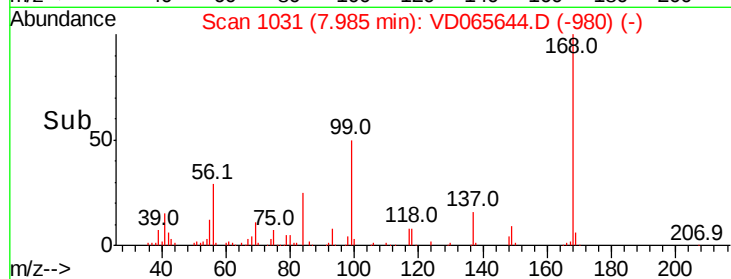
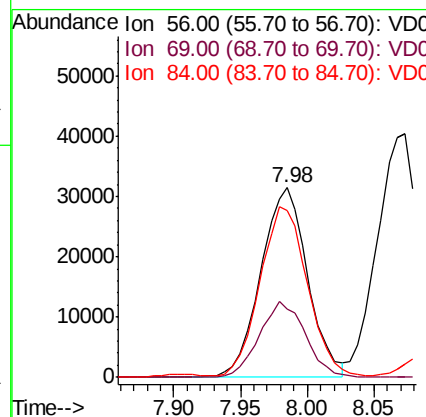
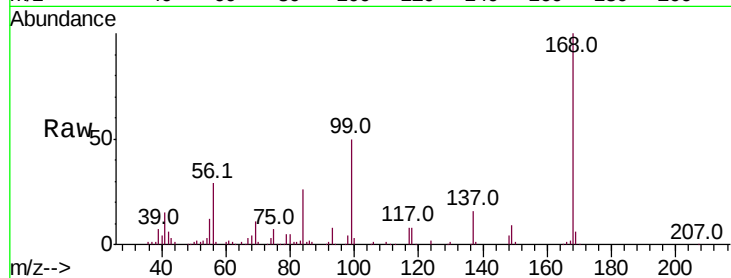
84 86.6 75.3 112.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.956 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

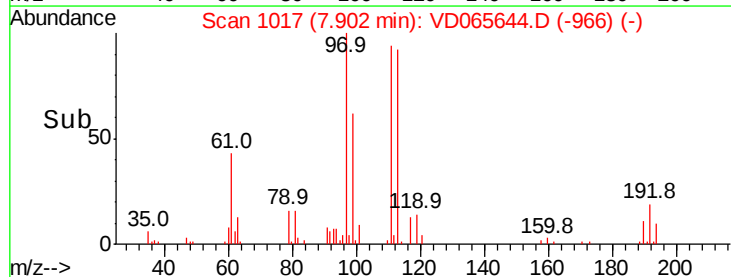
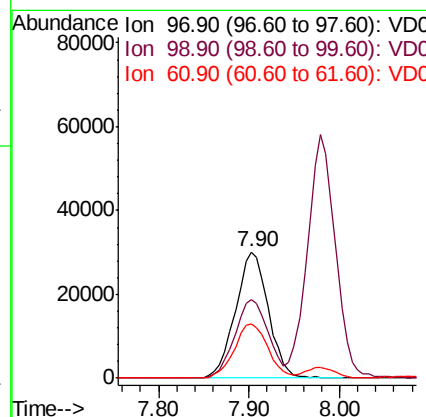
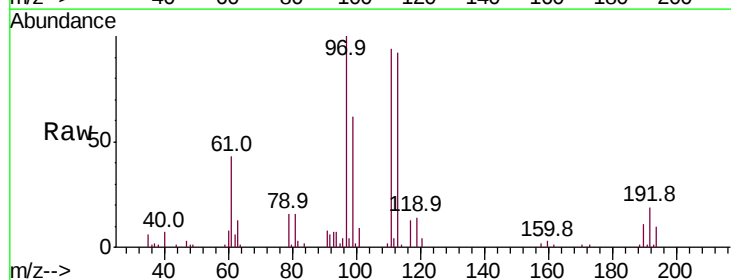
Tgt Ion: 97 Resp: 75764

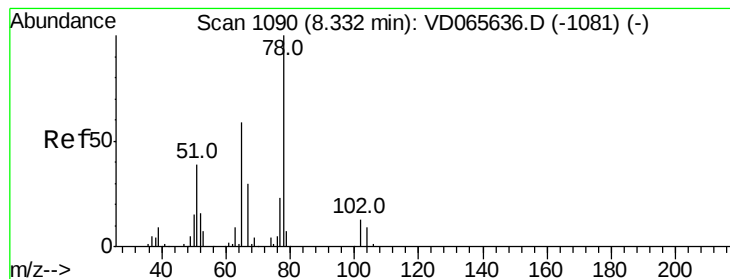
Ion Ratio Lower Upper

97 100

99 63.6 51.5 77.3

61 44.1 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 45.364 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 65 Resp: 94669

Ion Ratio Lower Upper

65 100

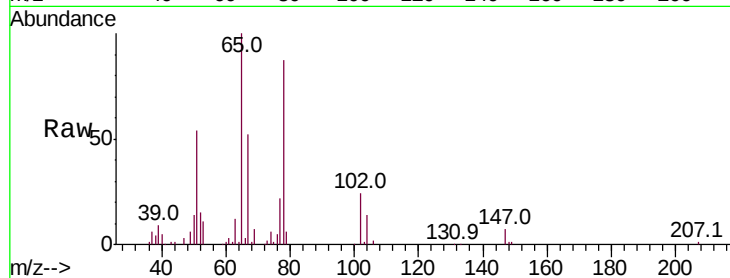
67 53.2 0.0 105.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

40000

30000

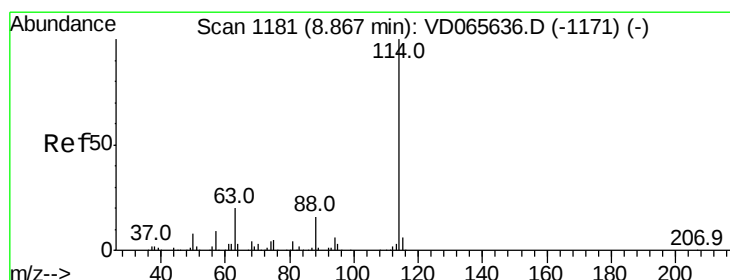
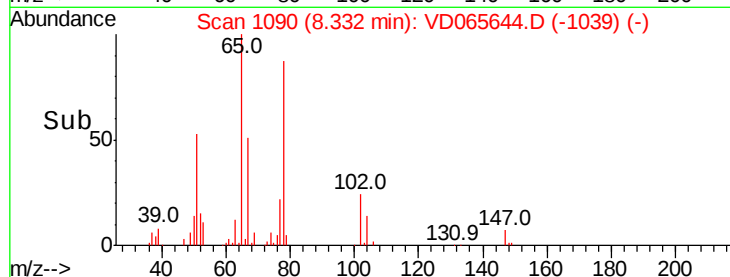
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

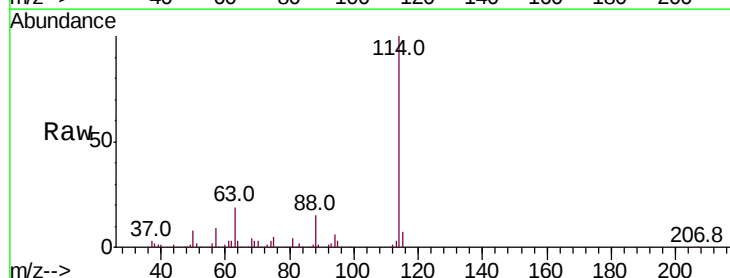
Tgt Ion: 114 Resp: 345281

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.8

88 15.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

200000

150000

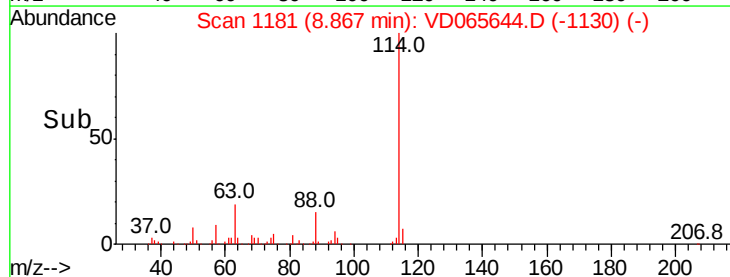
100000

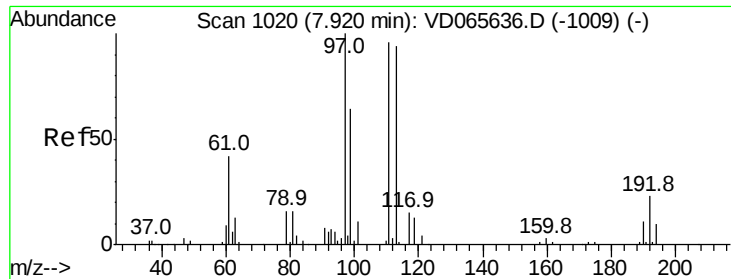
50000

0

8.80 8.90 9.00

Time-->





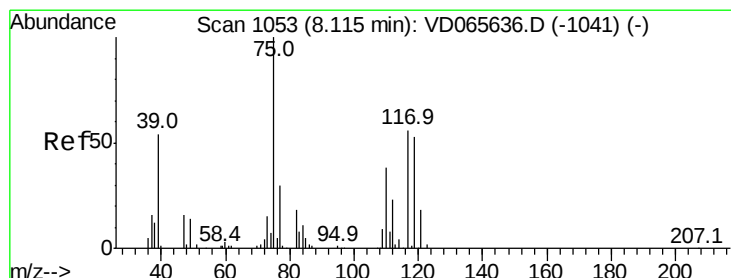
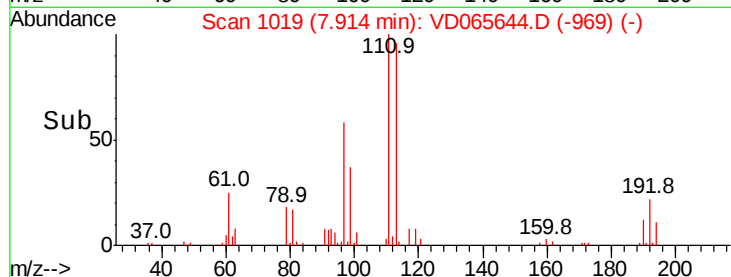
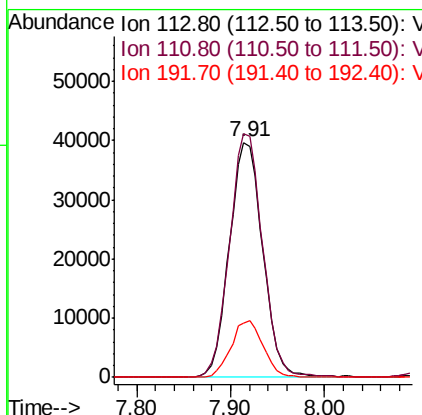
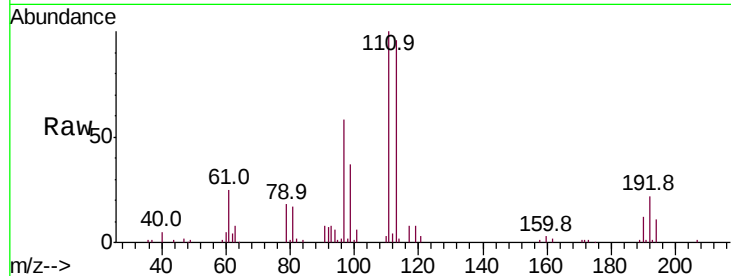
#35
 Dibromofluoromethane
 Concen: 45.565 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.9	122.9
192	23.0	18.9	28.3

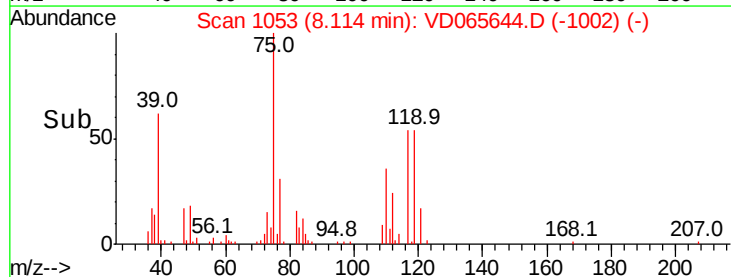
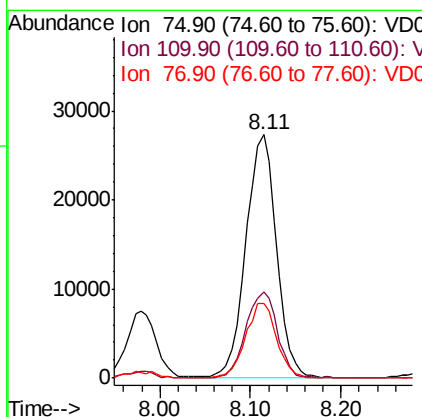
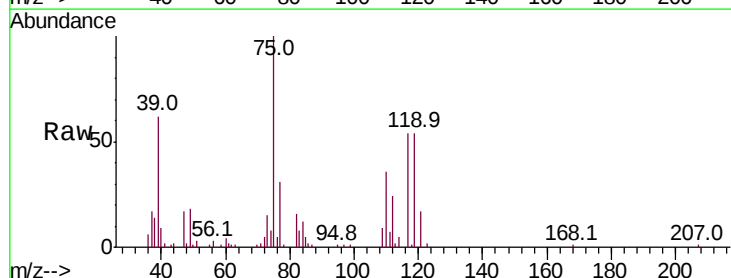
Manual Integrations
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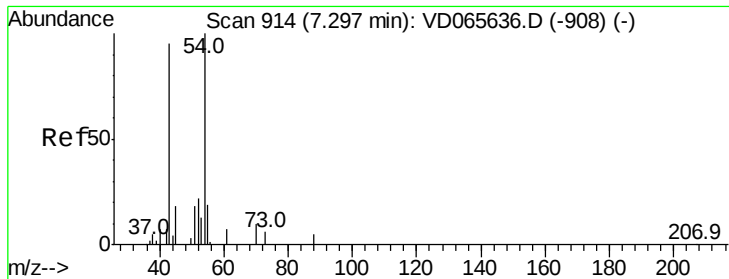
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.269 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.3	54.8
77	31.1	24.6	37.0





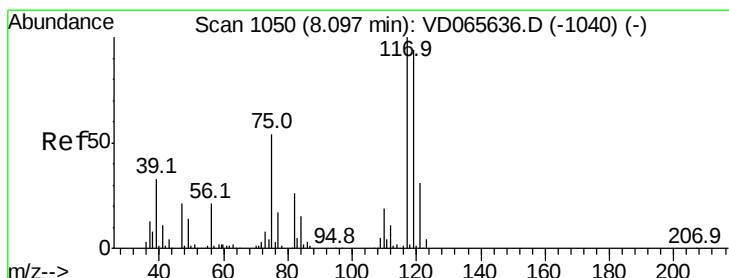
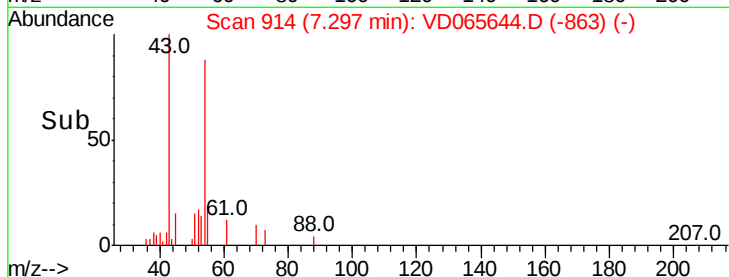
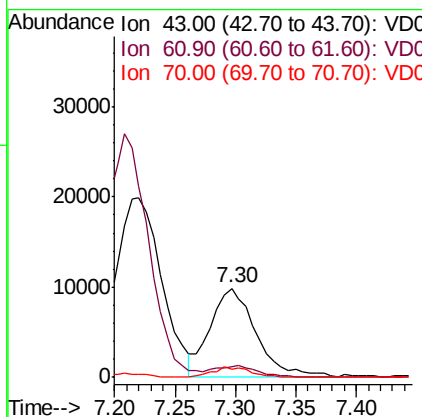
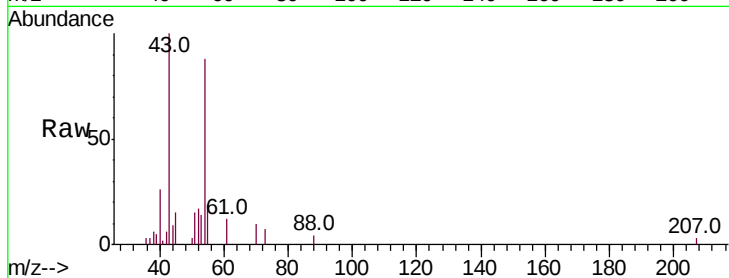
#37
Ethyl Acetate
Concen: 19.651 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.9	16.3
70	9.4	7.9	11.9

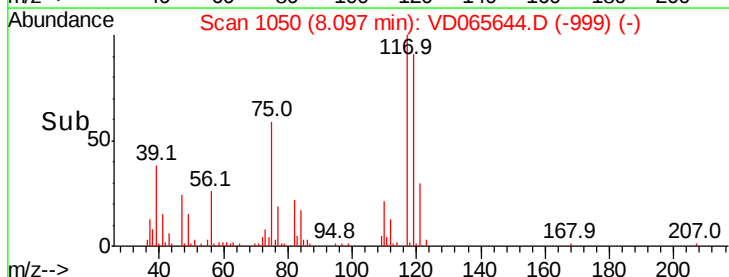
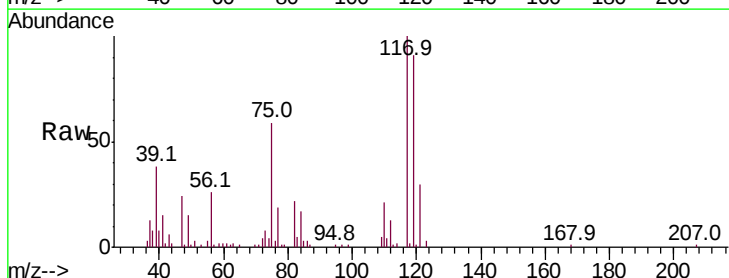
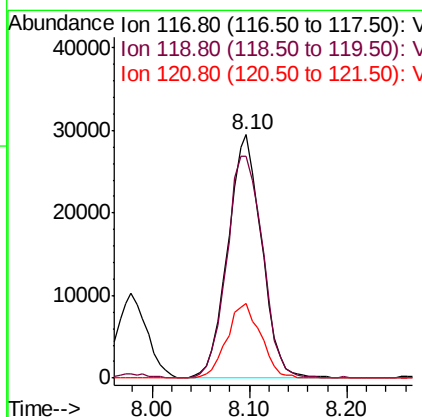
Manual Integrations
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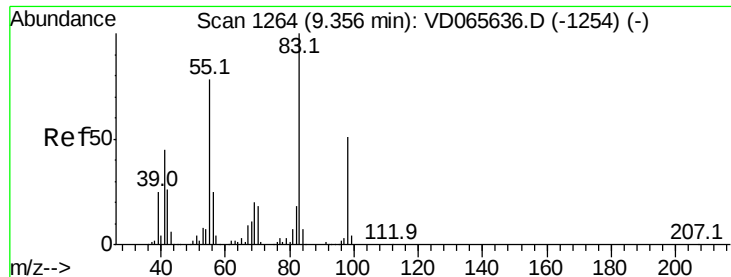
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.872 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	75.3	112.9
121	30.5	24.9	37.3





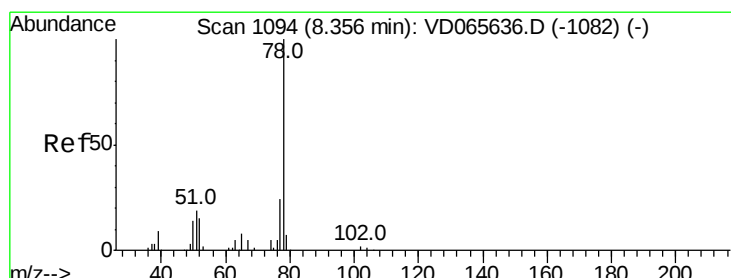
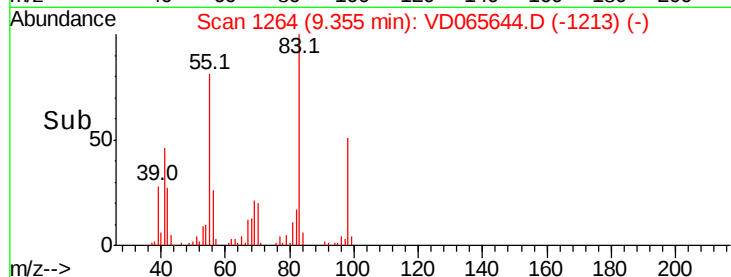
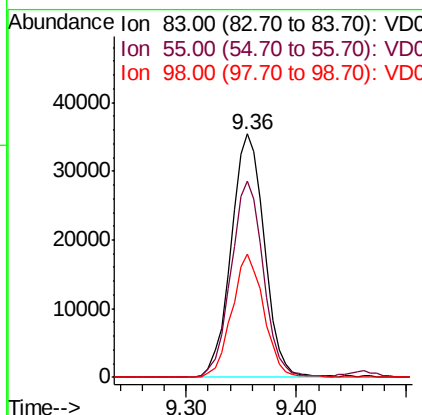
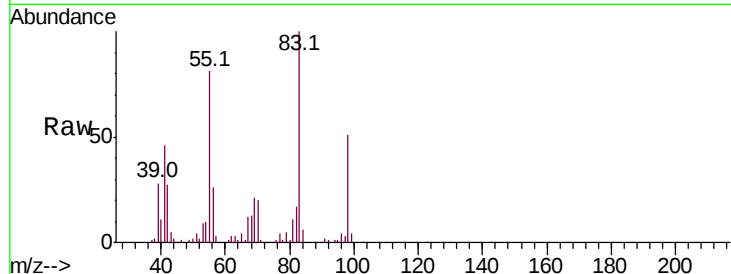
#39
Methvlcvclohexane
Concen: 19.323 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.7	62.3	93.5
98	50.7	40.5	60.7

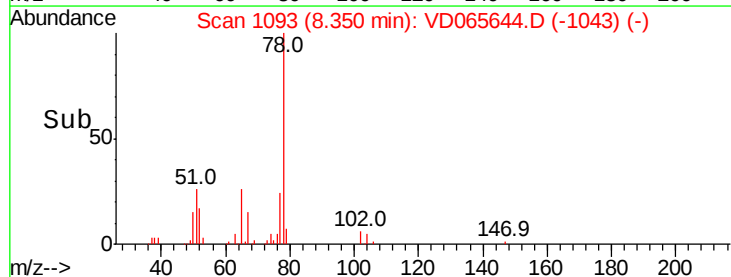
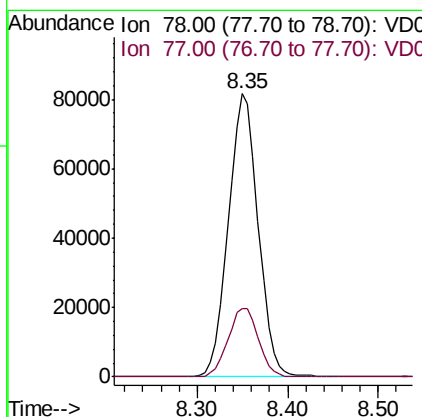
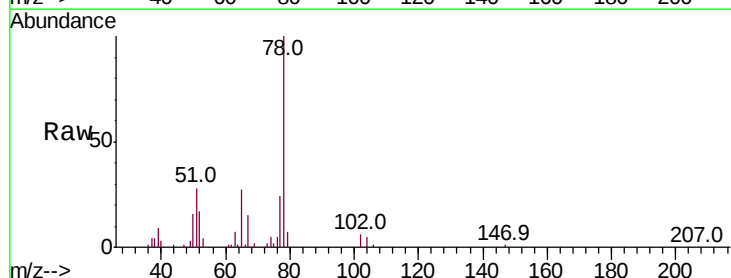
Manual Integrations
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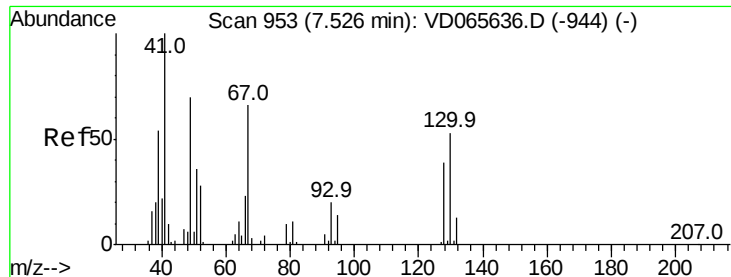
MMDadoda
4/20/2020 4:28:21 PM



#40
Benzene
Concen: 19.422 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.9	28.3





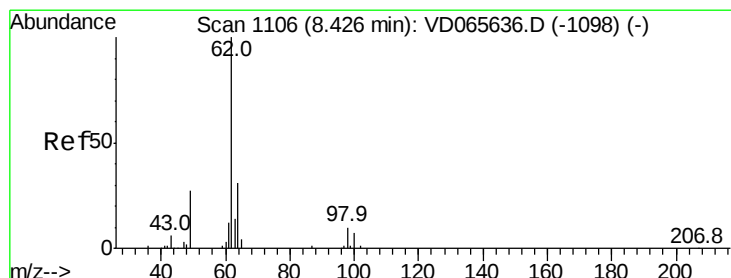
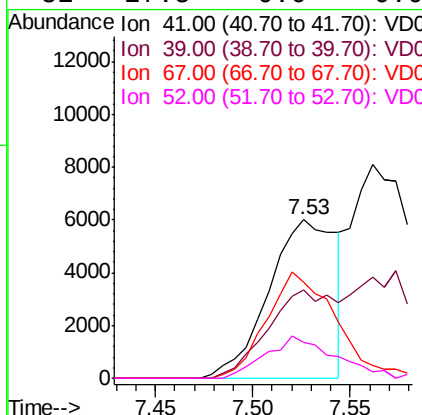
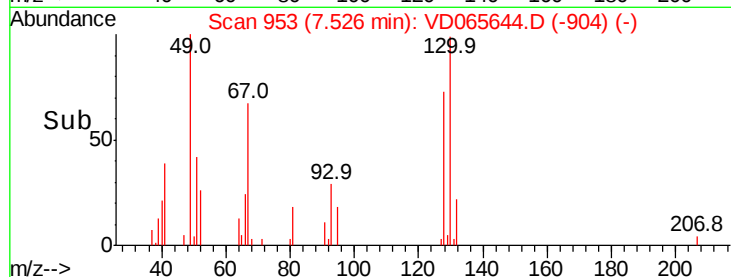
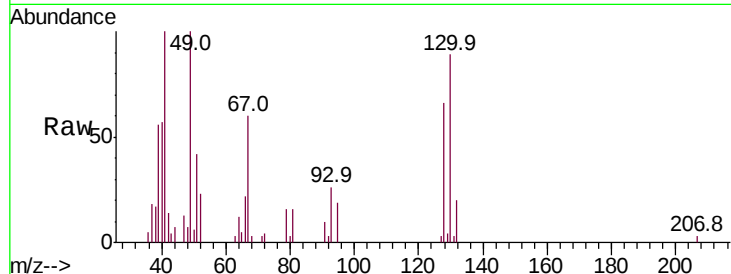
#41
Methacrylonitrile
Concen: 21.896 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	55.5	0.0	0.0#		
67	68.4	0.0	0.0#		
52	27.5	0.0	0.0#		

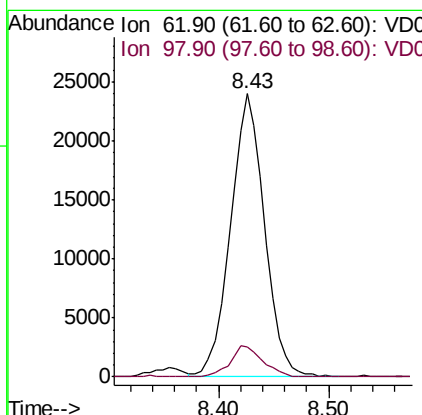
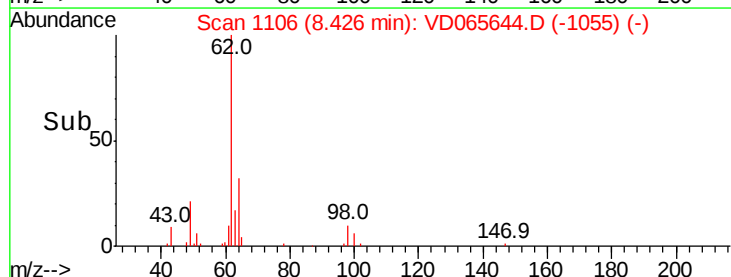
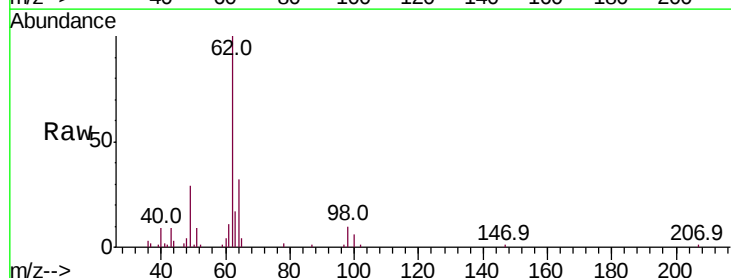
Manual Integrations
APPROVED

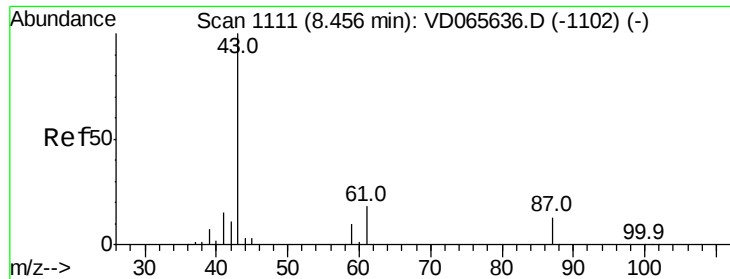
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.705 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.4	0.0	20.6		





#43

Isopropyl Acetate

Concen: 18.556 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

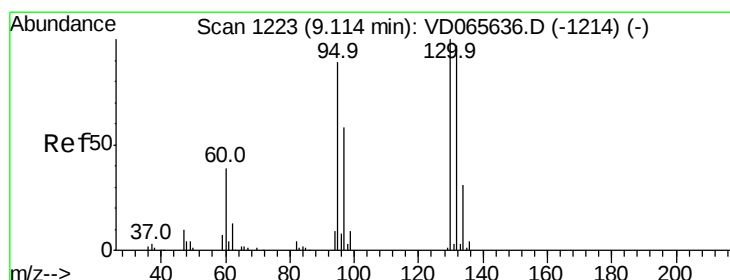
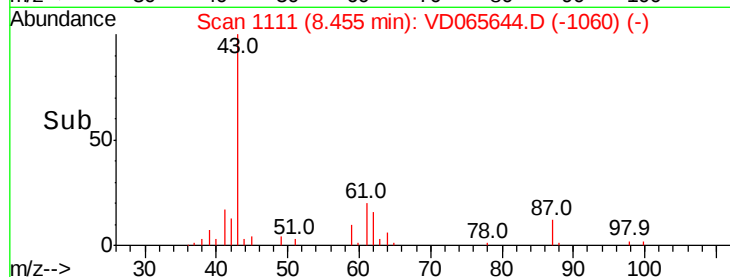
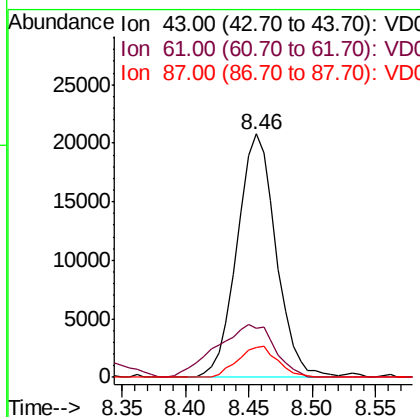
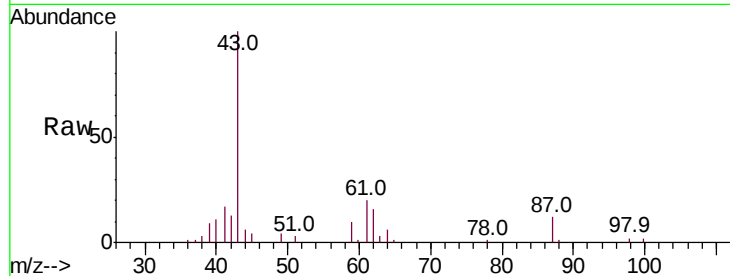
ClientSampleId :

VD0417SBS01

Tot Ion:	43	Resp:	44428
Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.0	37.6
87	12.9	9.9	14.9

Manual Integrations
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#44

Trichloroethene

Concen: 18.908 ug/l

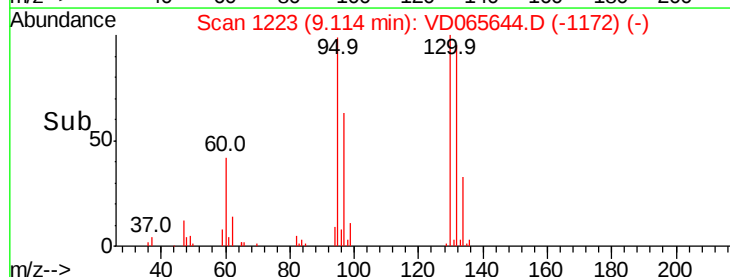
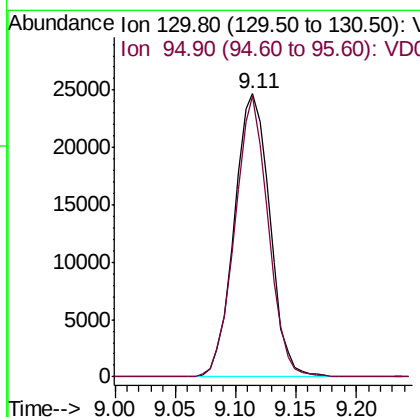
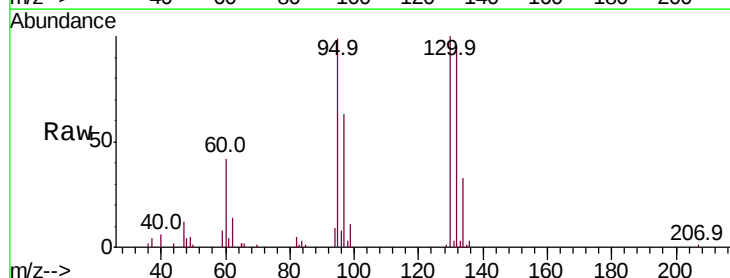
RT: 9.11 min Scan# 1223

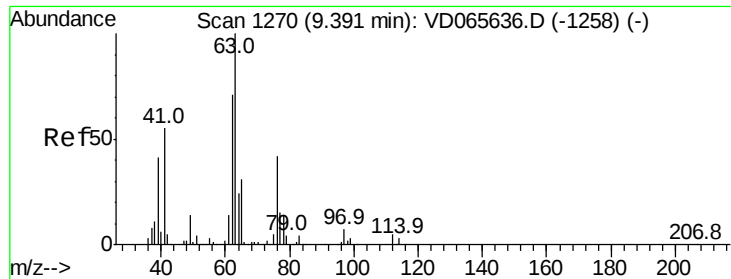
Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Tgt Ion:	130	Resp:	50735
Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	178.4





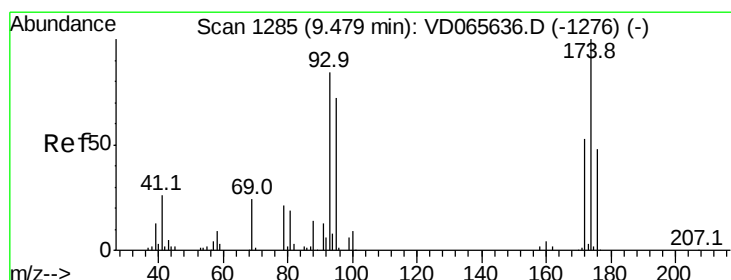
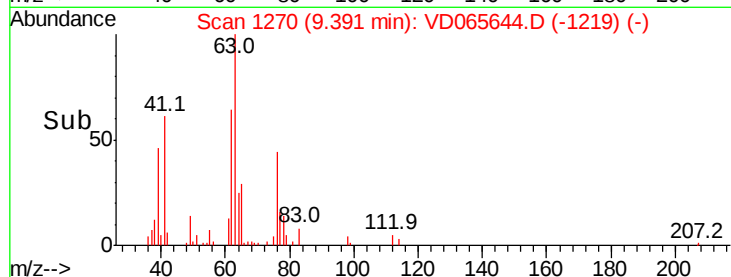
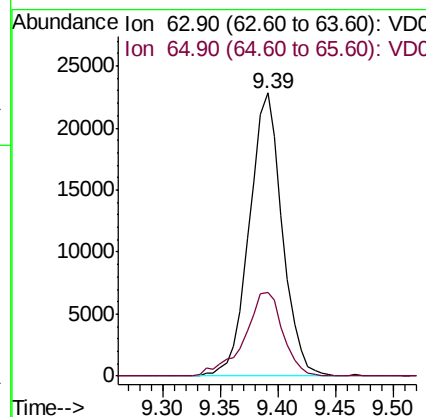
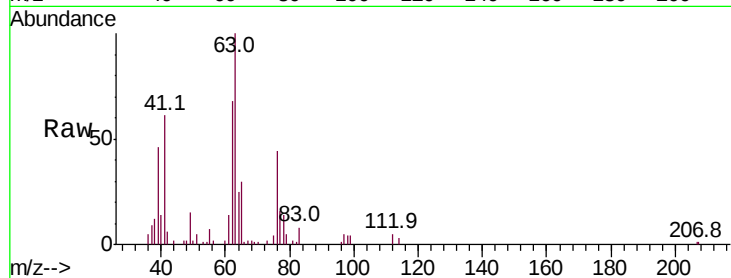
#45
 1,2-Dichloropropane
 Concen: 19.255 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion: 63 Resp: 45298
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.7 37.1

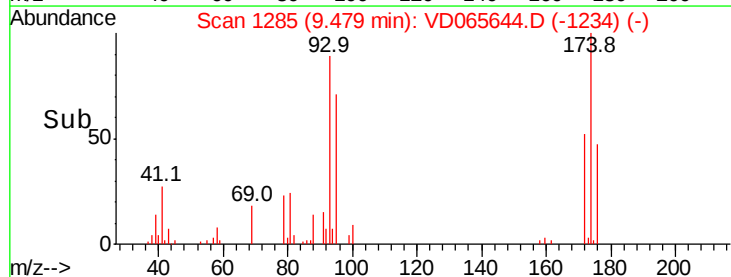
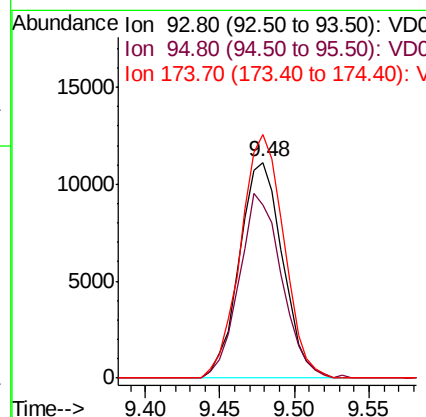
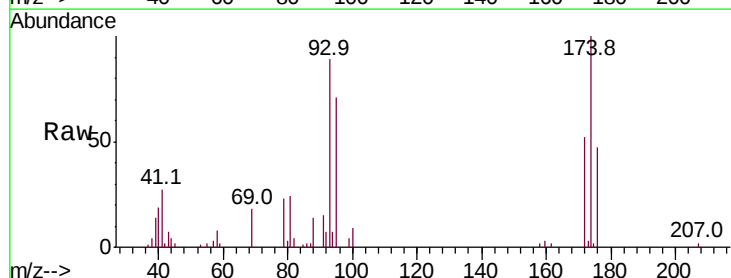
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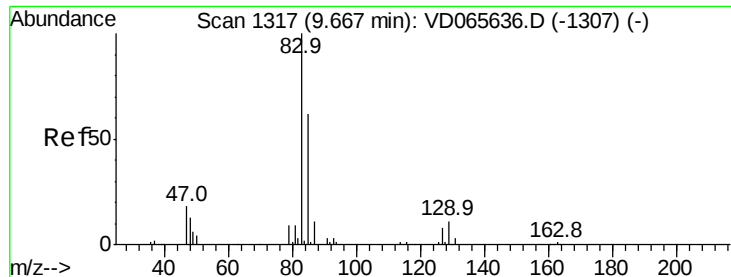
MMDadoda
 4/20/2020 4:28:21 PM



#46
 Dibromomethane
 Concen: 18.404 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 93 Resp: 22390
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.4 101.2
 174 112.7 94.1 141.1





#47

Bromodichloromethane

Concen: 19.515 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

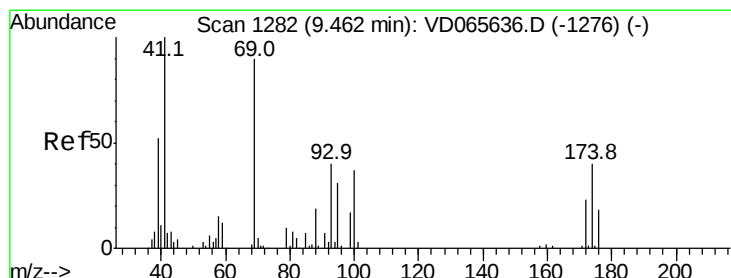
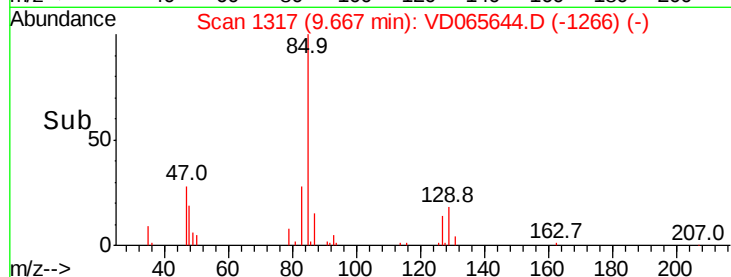
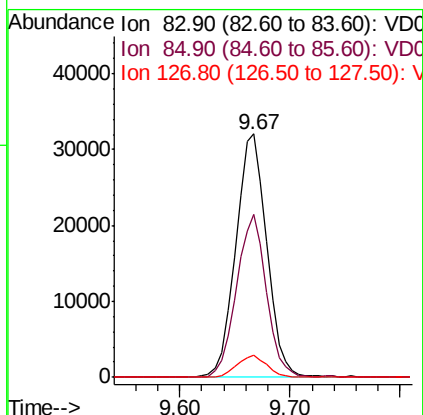
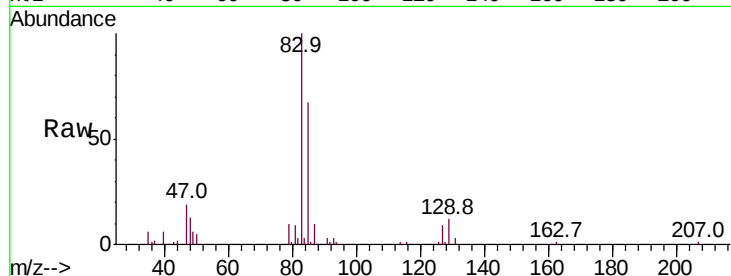
ClientSampleId :

VD0417SBS01

Tot Ion:	83	Resp:	63222
Ion	Ratio	Lower	Upper
83	100		
85	66.9	49.8	74.8
127	9.4	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.669 ug/l

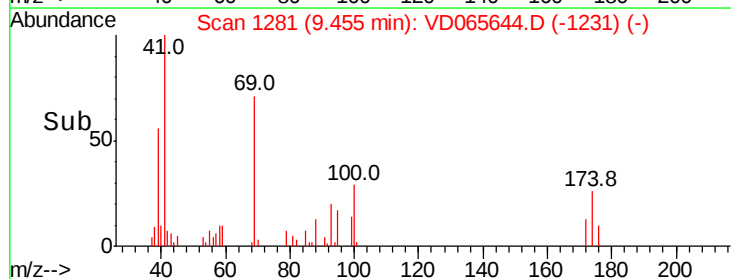
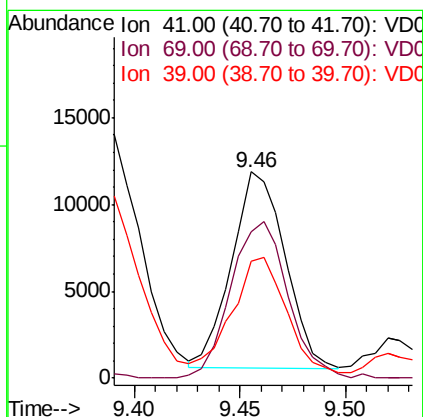
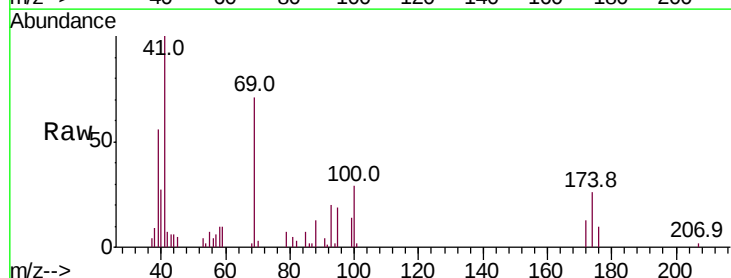
RT: 9.46 min Scan# 1281

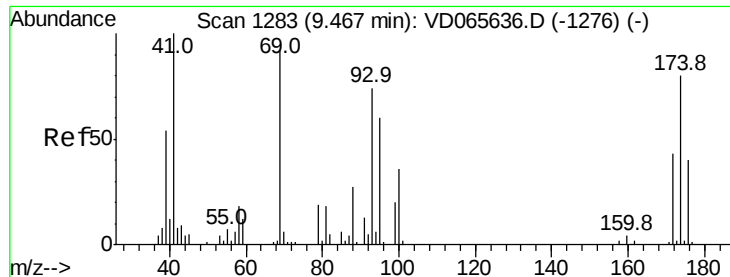
Delta R.T. -0.01 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Tgt Ion:	41	Resp:	19829
Ion	Ratio	Lower	Upper
41	100		
69	85.7	66.8	100.2
39	59.0	39.6	59.4





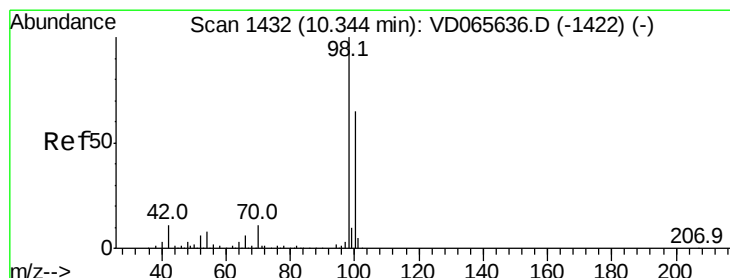
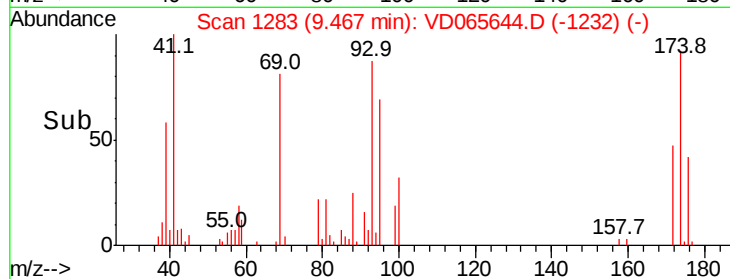
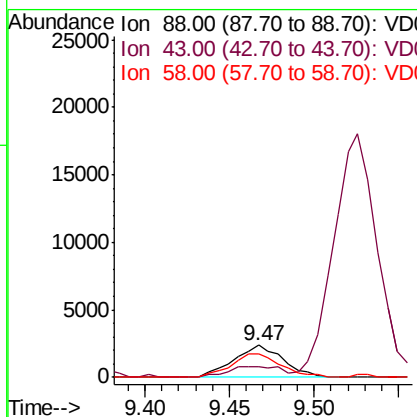
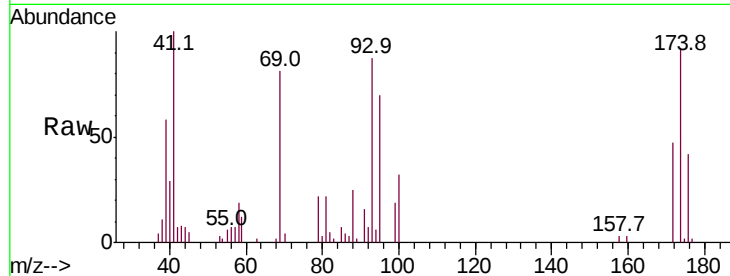
#49
 1,4-Dioxane
 Concen: 346.059 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.8	28.1	42.1
58	73.3	55.7	83.5

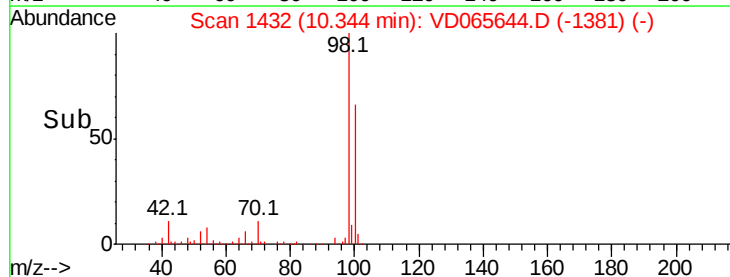
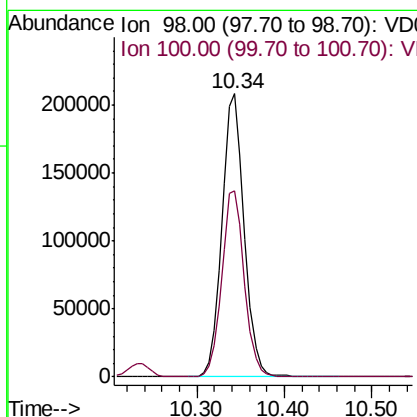
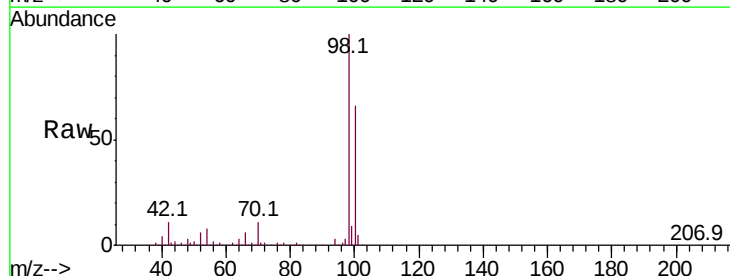
Manual Integrations
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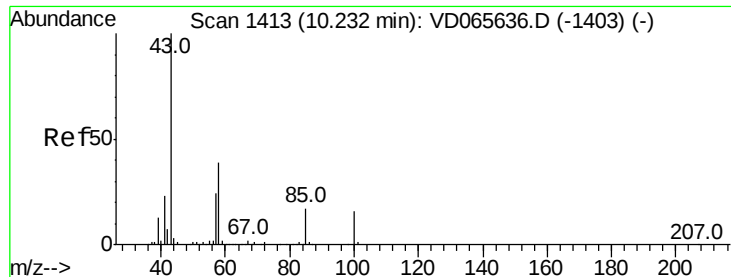
MMDadoda
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#50
 Toluene-d8
 Concen: 46.133 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 92.931 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 43 Resp: 115774

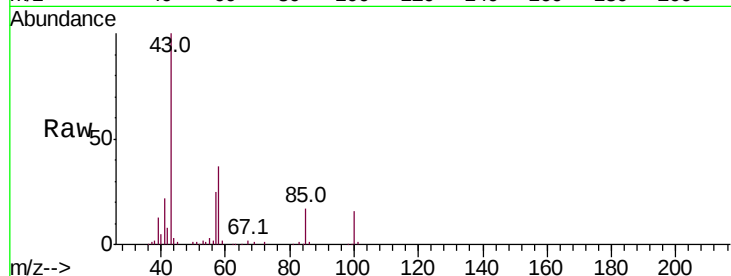
Ion Ratio Lower Upper

43 100

58 37.9 31.1 46.7

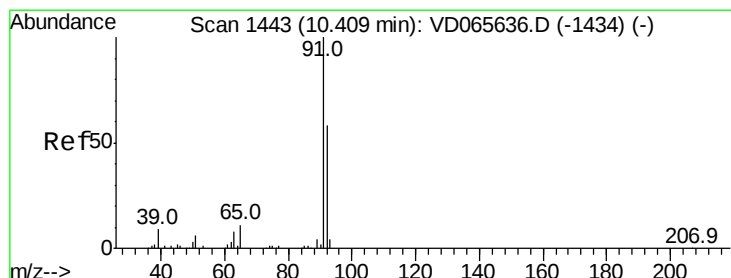
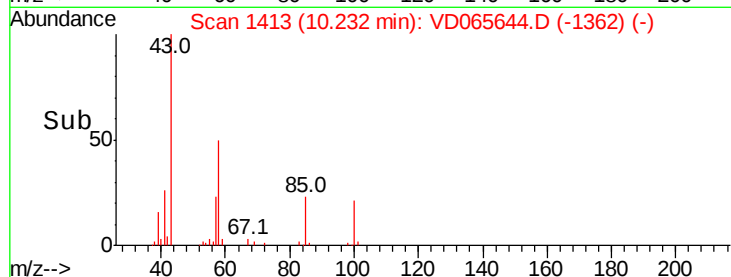
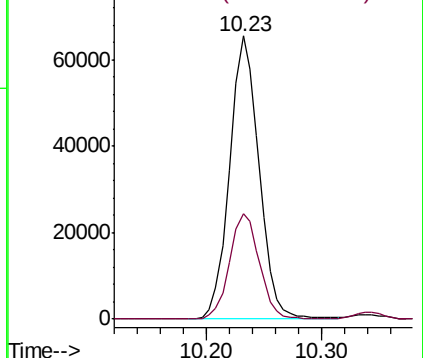
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.043 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD065644.D

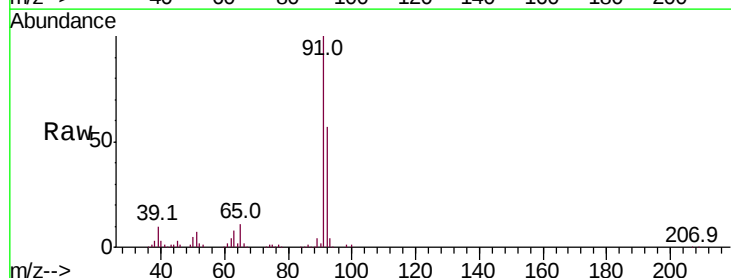
Acq: 17 Apr 2020 15:00

Tgt Ion: 92 Resp: 118439

Ion Ratio Lower Upper

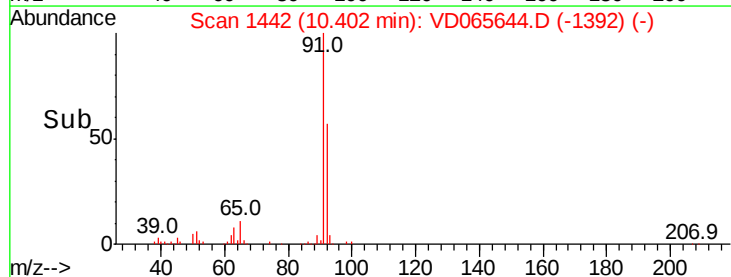
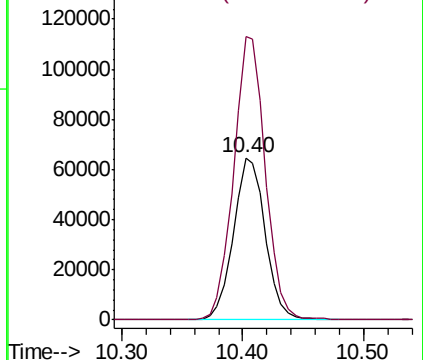
92 100

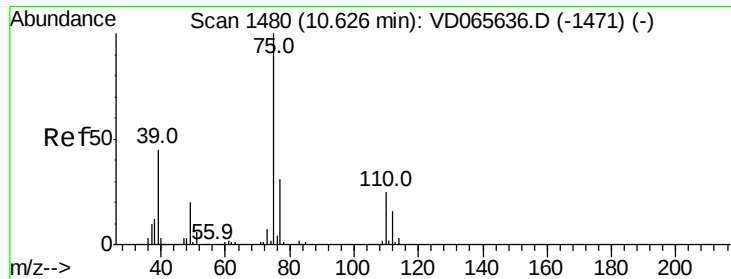
91 174.5 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.386 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

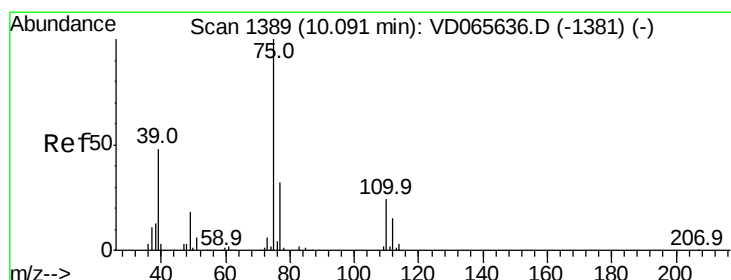
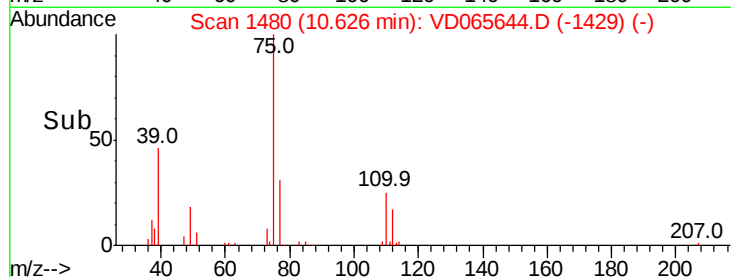
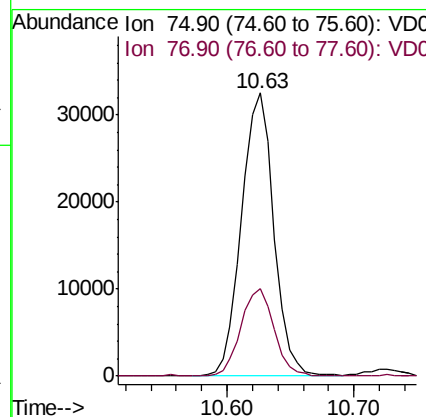
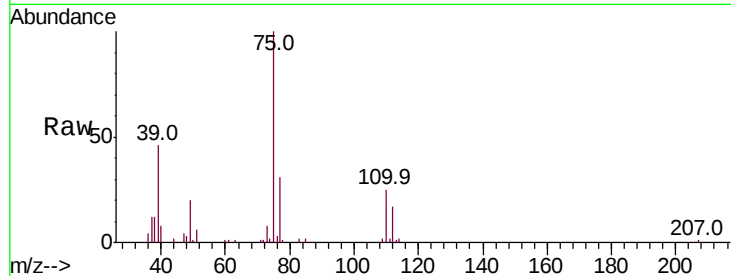
Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 75 Resp: 57666

Ion	Ratio	Lower	Upper
75	100		
77	31.2	24.8	37.2

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#54

cis-1,3-Dichloropropene

Concen: 19.448 ug/l

RT: 10.09 min Scan# 1389

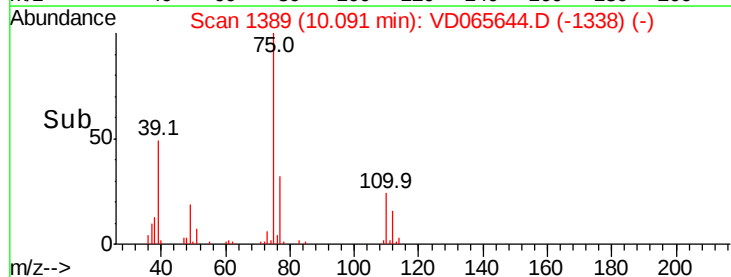
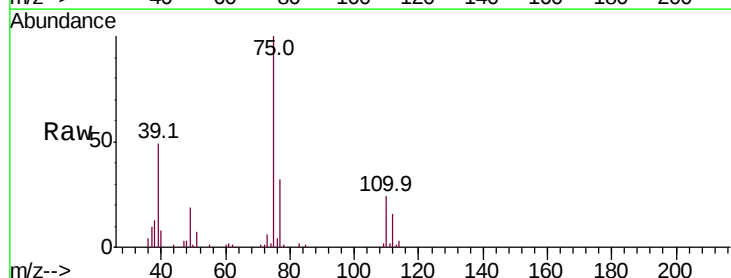
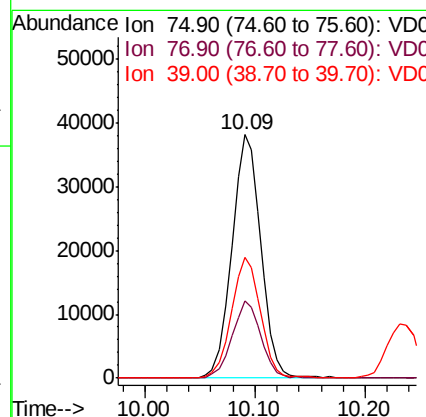
Delta R.T. -0.00 min

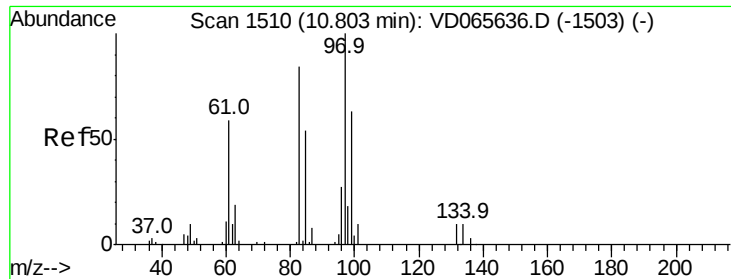
Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Tgt Ion: 75 Resp: 70014

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.2	37.8
39	49.4	38.7	58.1





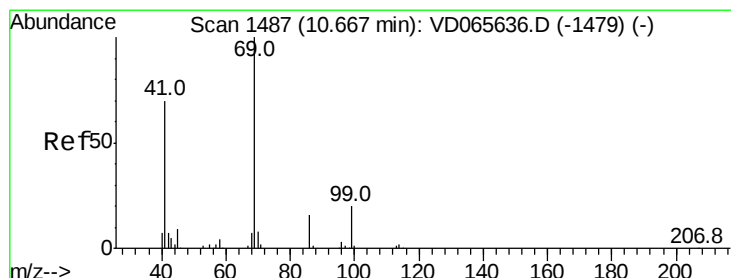
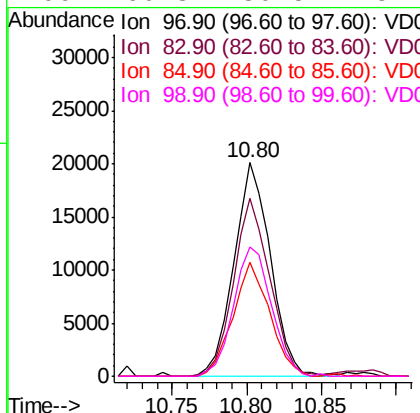
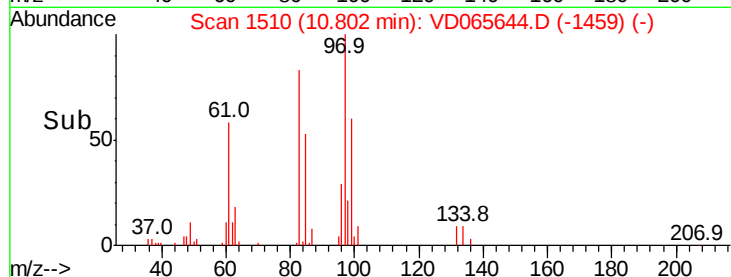
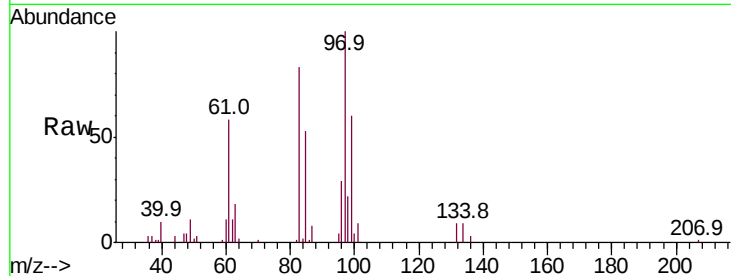
#55
 1,1,2-Trichloroethane
 Concen: 19.885 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion:	97	Resp:	34217
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.4	101.0
85	53.1	43.4	65.0
99	60.3	50.5	75.7

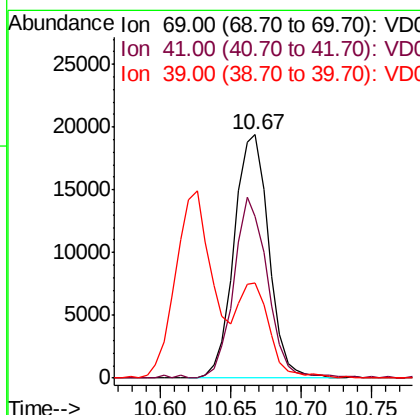
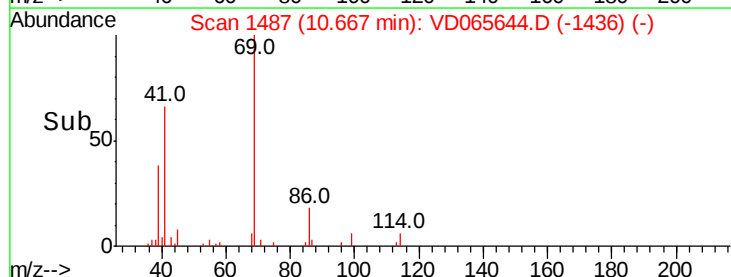
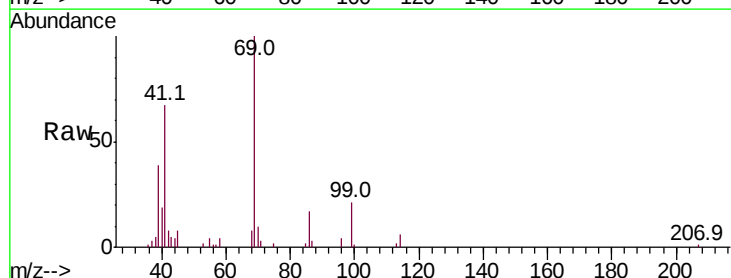
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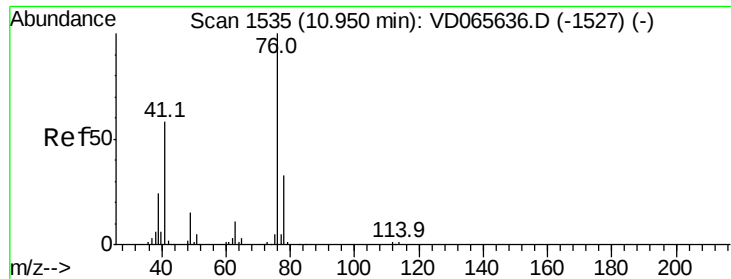
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#56
 Ethyl methacrylate
 Concen: 17.849 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion:	69	Resp:	33266
Ion	Ratio	Lower	Upper
69	100		
41	73.1	56.2	84.4
39	35.5	26.6	39.8





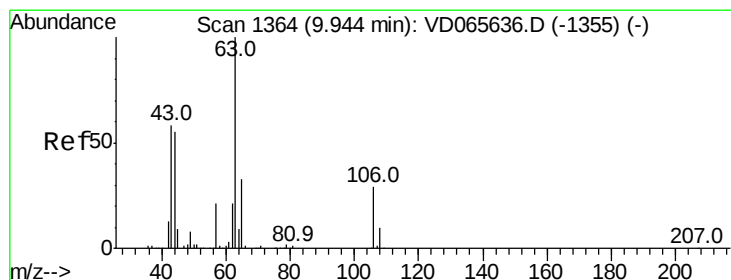
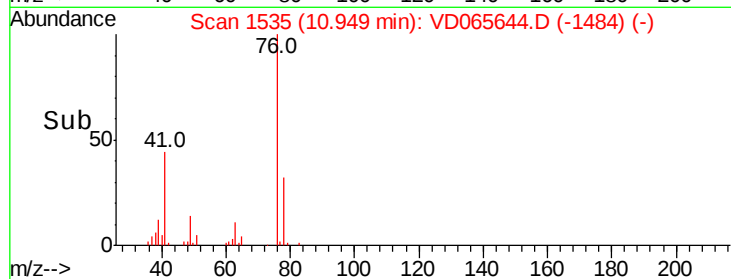
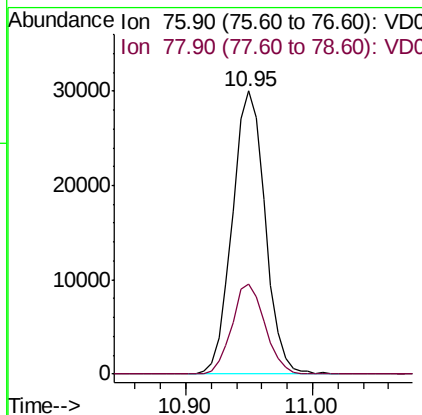
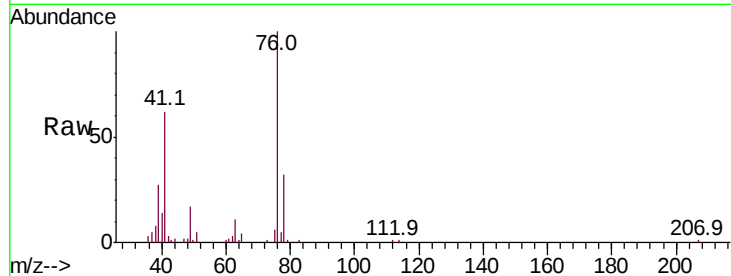
#57
 1,3-Dichloropropane
 Concen: 18.278 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion: 76 Resp: 53557
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.1 39.1

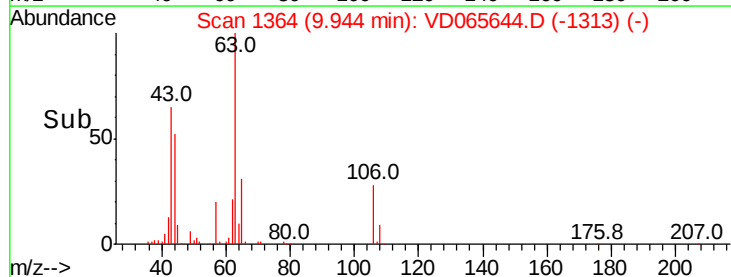
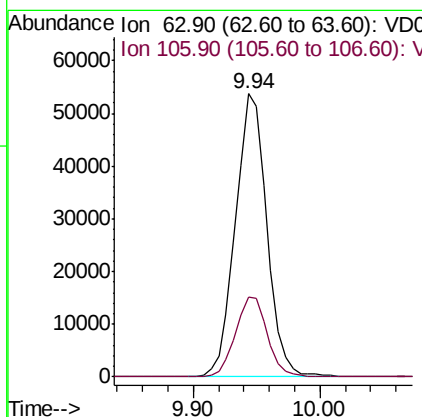
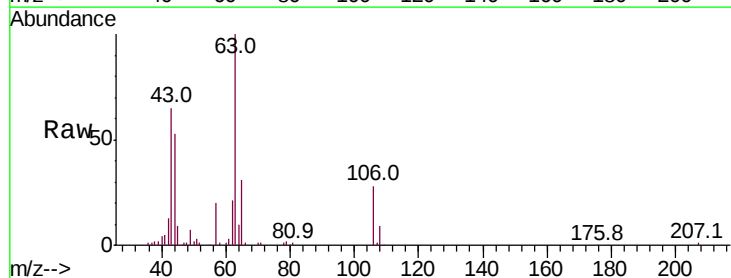
Manual Integrations
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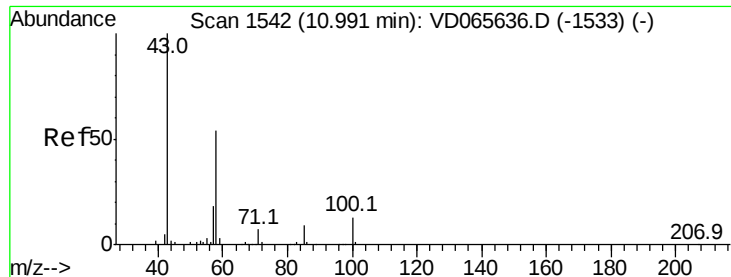
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 96.979 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 63 Resp: 92088
 Ion Ratio Lower Upper
 63 100
 106 28.4 23.8 35.6





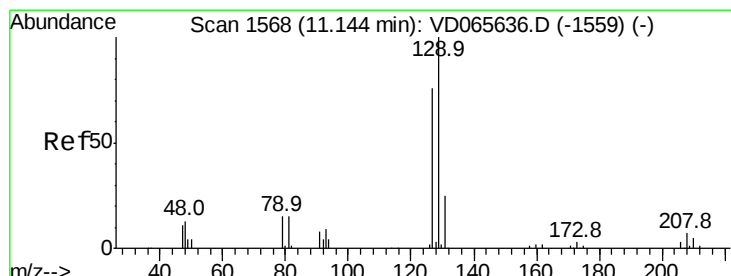
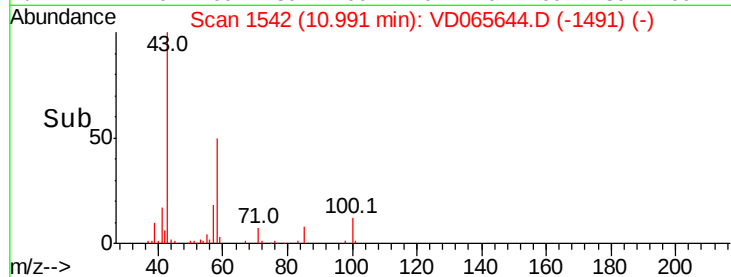
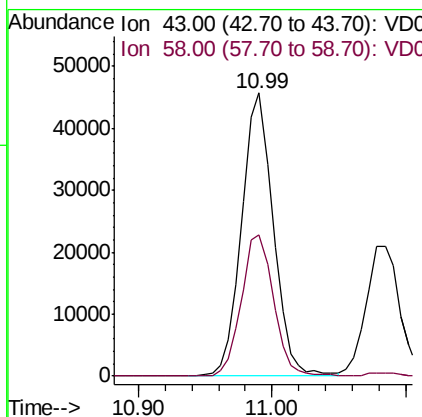
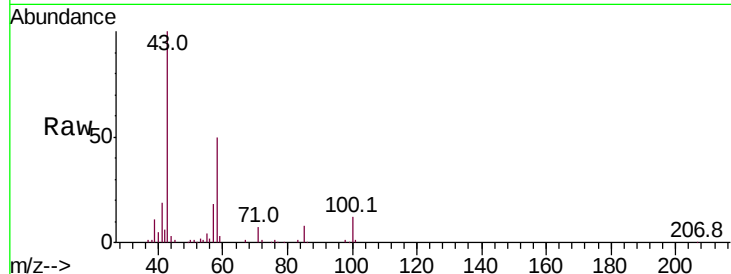
#59
2-Hexanone
Concen: 88.298 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion: 43 Resp: 74918
Ion Ratio Lower Upper
43 100
58 50.8 26.5 79.4

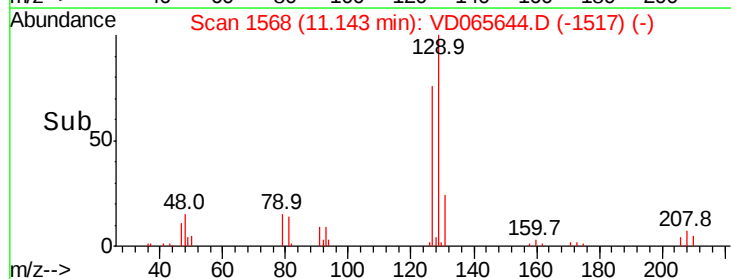
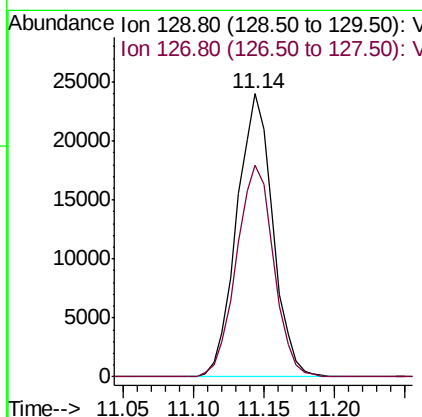
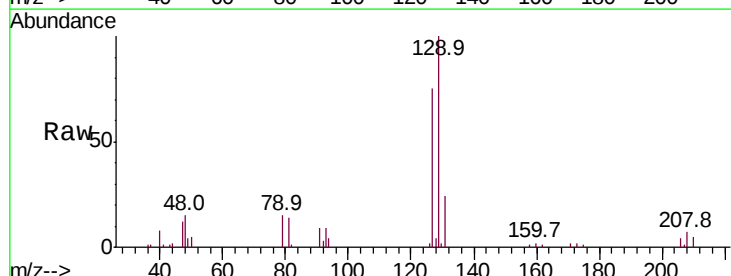
Manual Integrations
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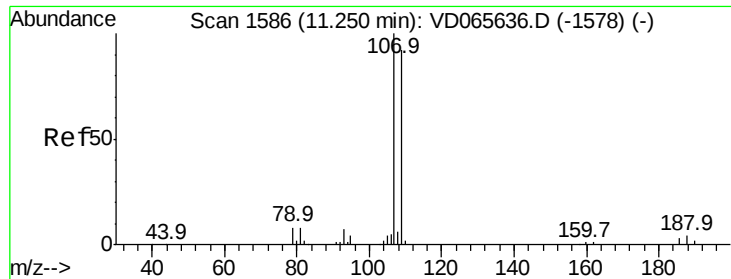
MMDadoda
4/20/2020 4:28:21 PM



#60
Dibromochloromethane
Concen: 18.909 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 129 Resp: 42854
Ion Ratio Lower Upper
129 100
127 77.3 38.8 116.3





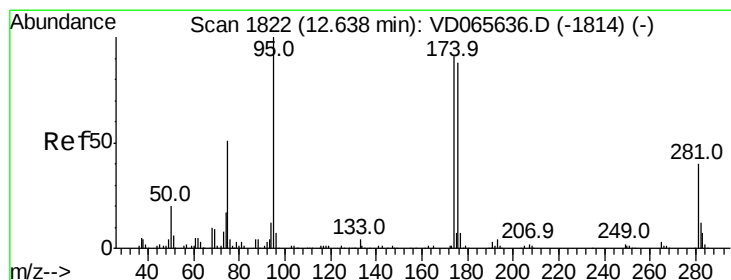
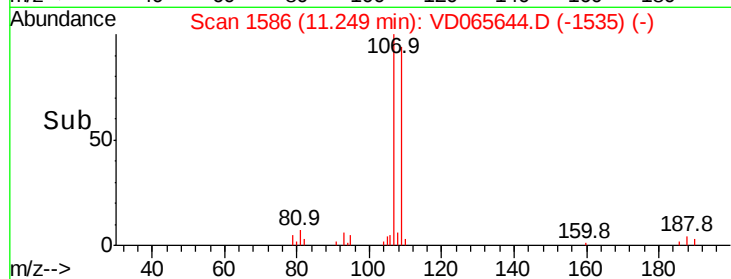
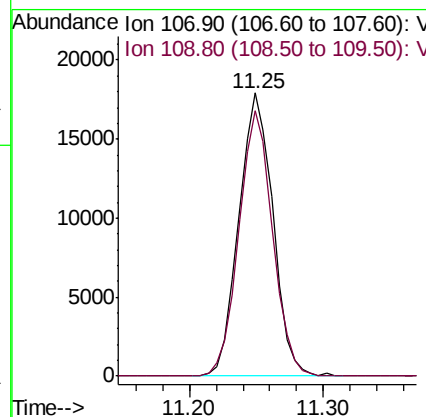
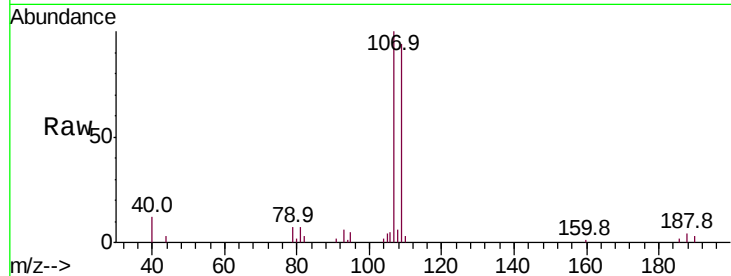
#61
 1,2-Dibromoethane
 Concen: 19.069 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion: 107 Resp: 31573
 Ion Ratio Lower Upper
 107 100
 109 92.9 74.6 112.0

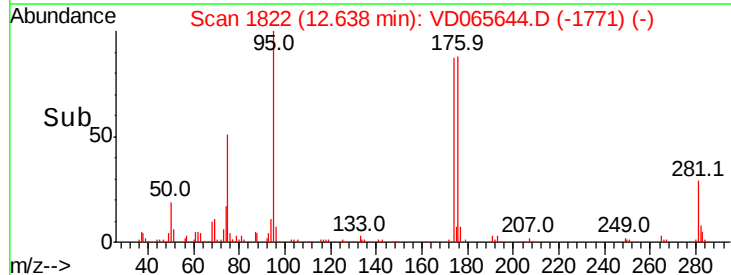
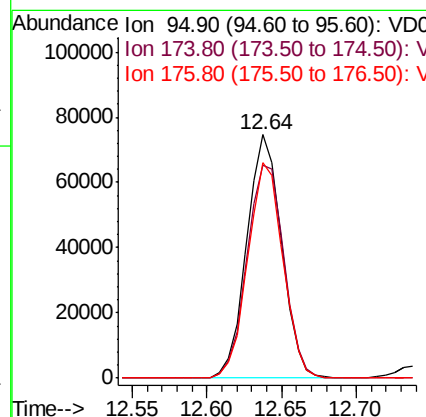
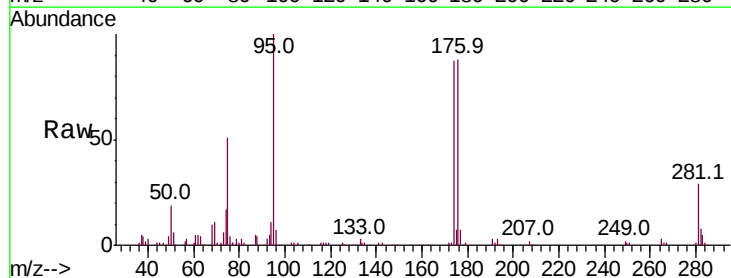
Manual Integrations
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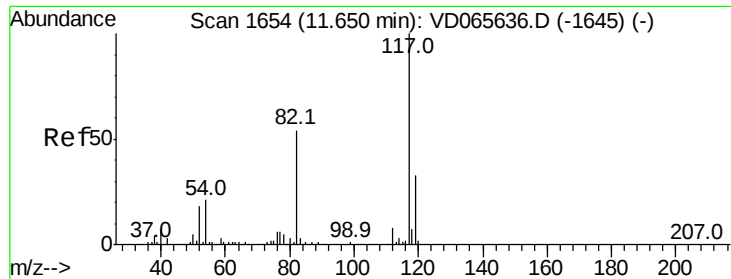
MMDadoda
 4/20/2020 4:28:21 PM



#62
 4-Bromofluorobenzene
 Concen: 45.614 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion: 95 Resp: 120234
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 183.8
 176 89.2 0.0 181.4





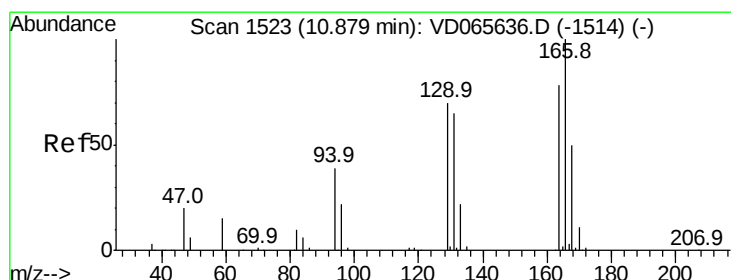
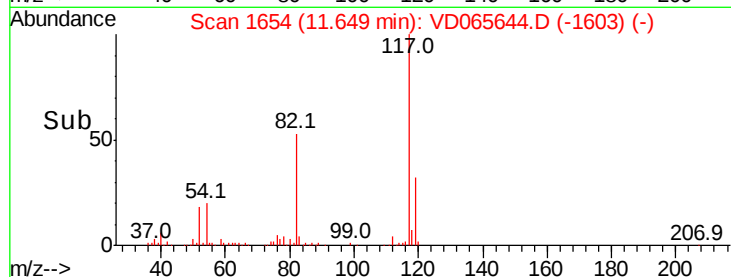
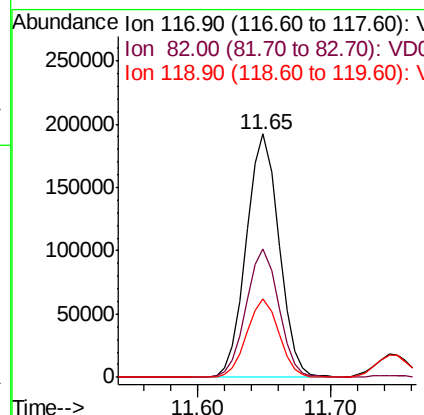
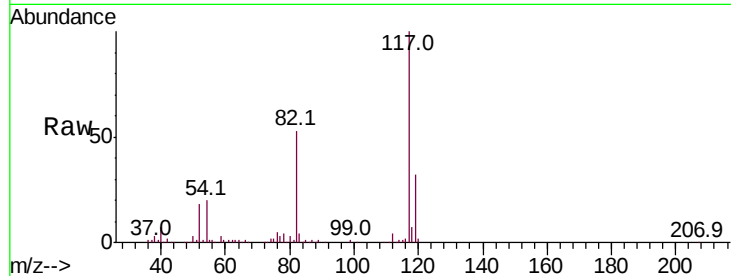
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.2	64.8
119	32.5	26.2	39.4

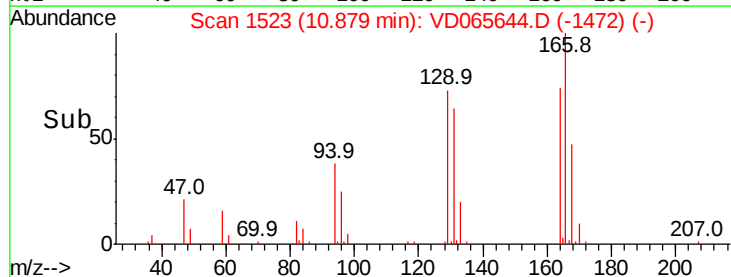
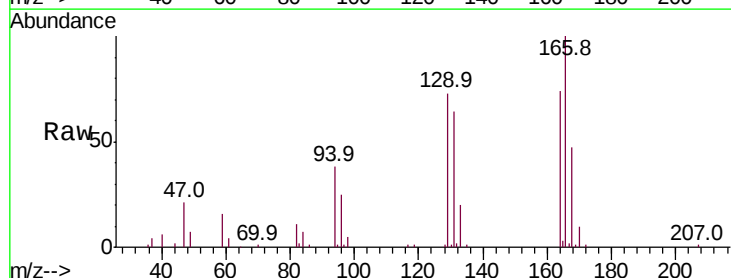
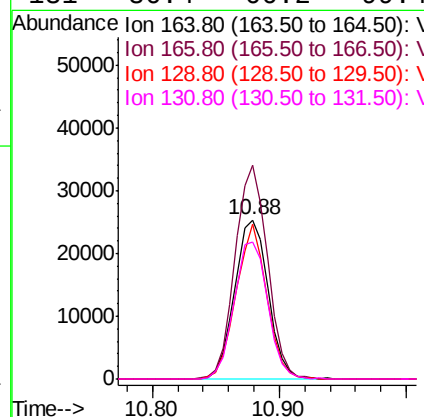
Manual Integrations
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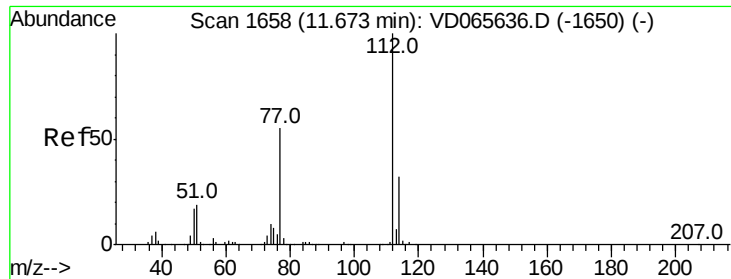
MMDadoda
4/20/2020 4:28:21 PM



#64
Tetrachloroethene
Concen: 19.694 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.4	102.3	153.5
129	97.6	71.7	107.5
131	86.4	66.2	99.4





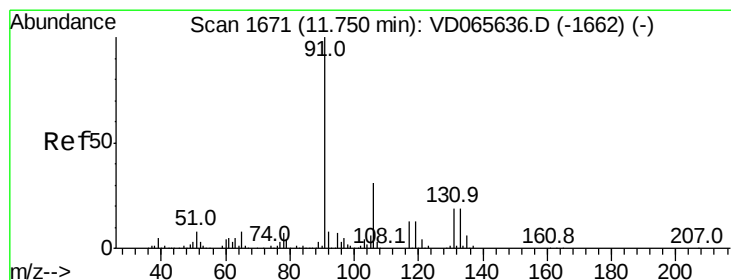
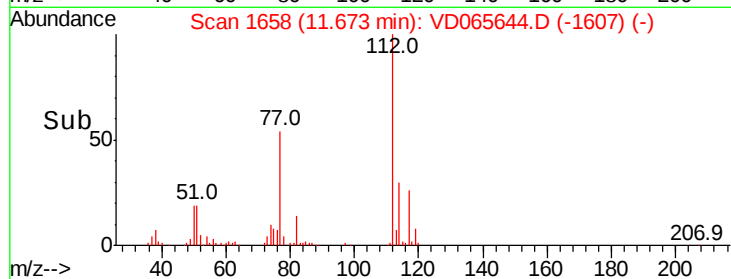
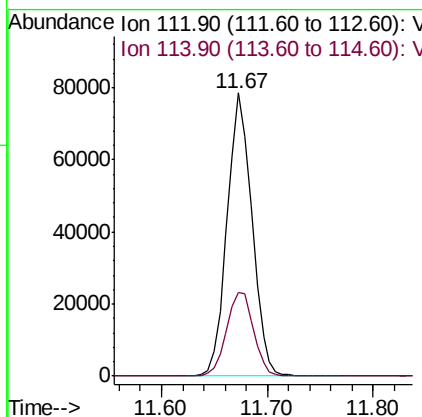
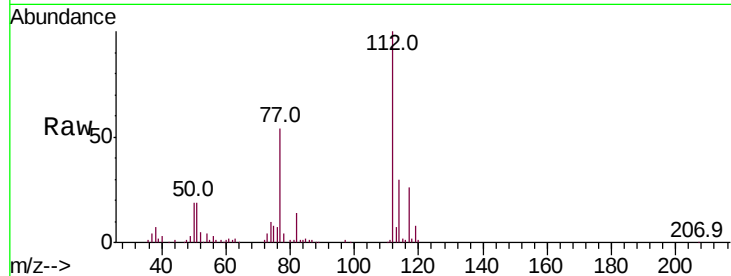
#65
Chlorobenzene
Concen: 19.756 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.6	25.3	37.9

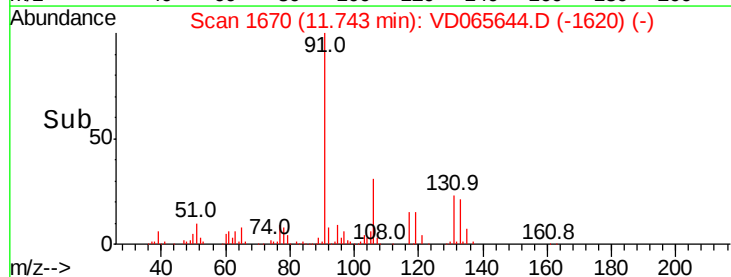
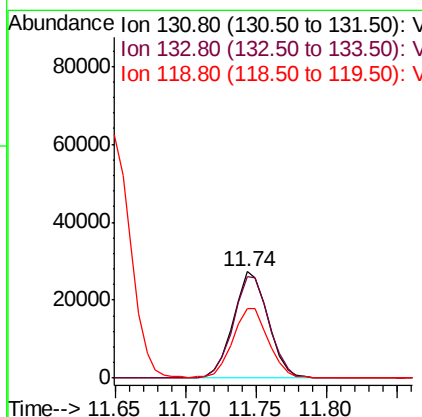
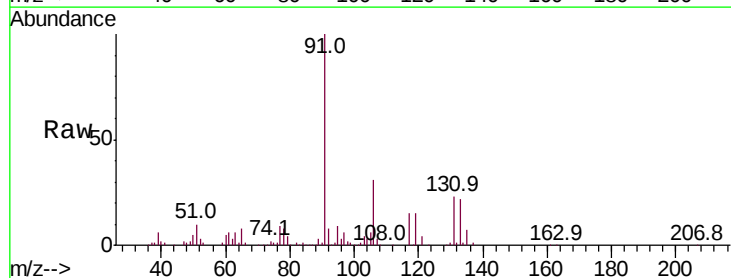
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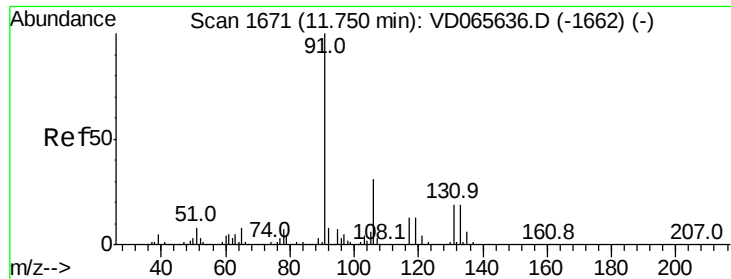
MMDadoda
4/20/2020 4:28:21 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.981 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.5	47.7	143.1
119	67.3	32.6	97.7





#67

Ethyl Benzene

Concen: 19.468 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 91 Resp: 215621

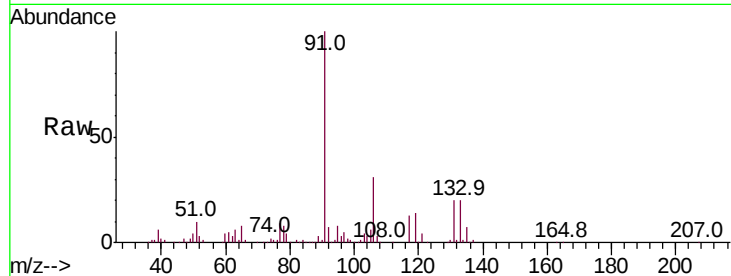
Ion Ratio Lower Upper

91 100

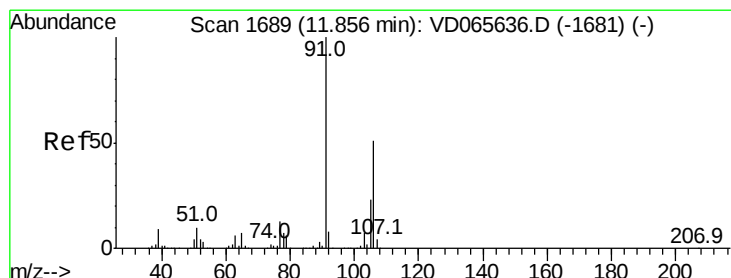
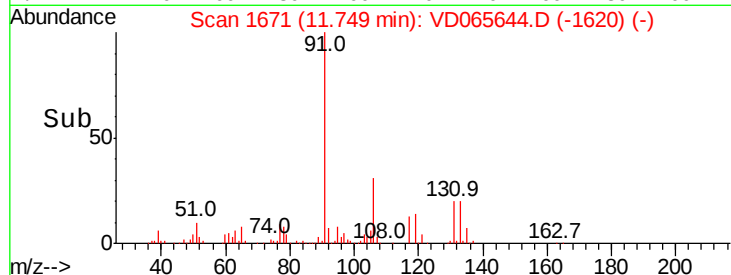
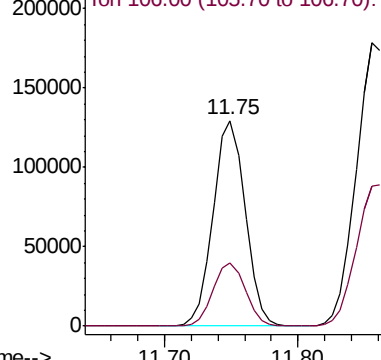
106 31.0 25.1 37.7

Manual Integrations
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MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VD065636.D (-1662) (-)



#68

m/p-Xylenes

Concen: 40.002 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD065644.D

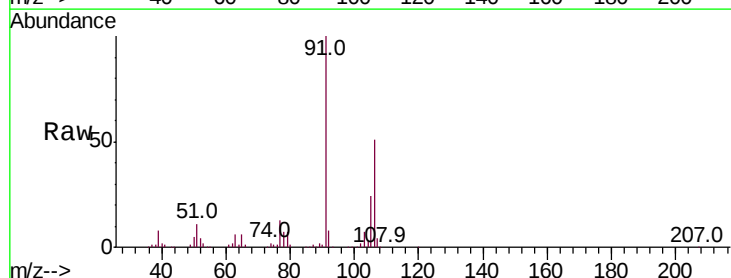
Acq: 17 Apr 2020 15:00

Tgt Ion: 106 Resp: 171167

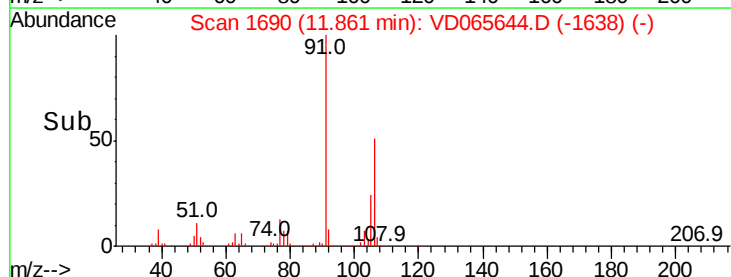
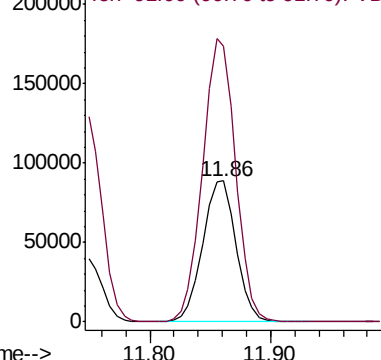
Ion Ratio Lower Upper

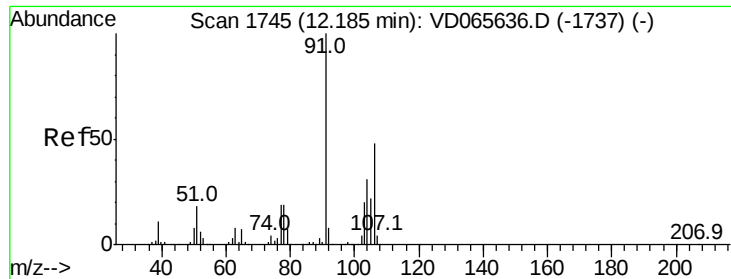
106 100

91 198.2 157.9 236.9



Abundance Ion 106.00 (105.70 to 106.70): VD065636.D (-1681) (-)





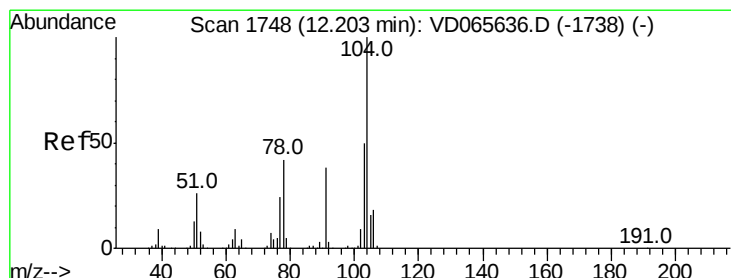
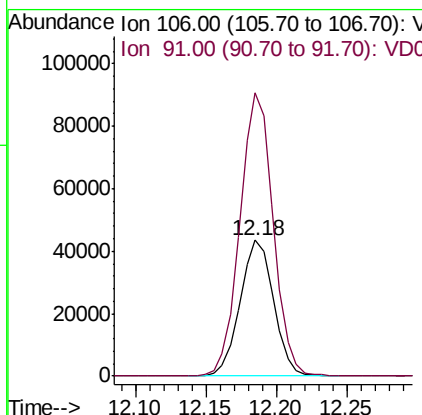
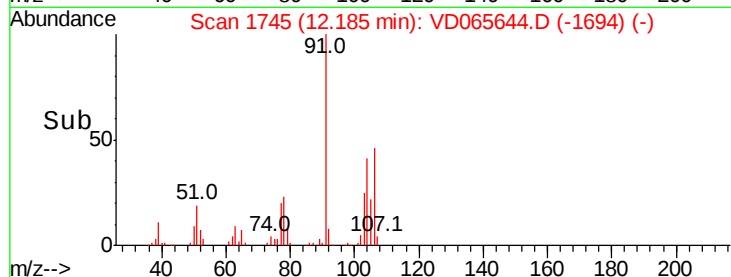
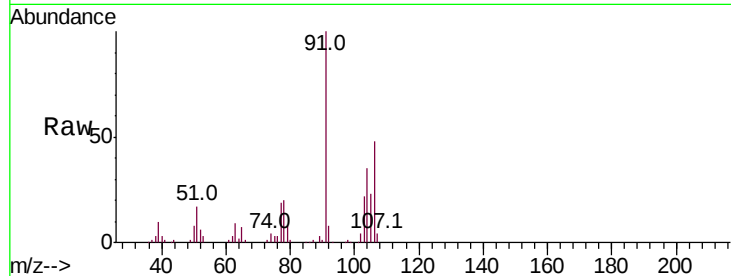
#69
o-Xylene
Concen: 19.278 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion:106 Resp: 72380
Ion Ratio Lower Upper
106 100
91 206.7 103.6 310.9

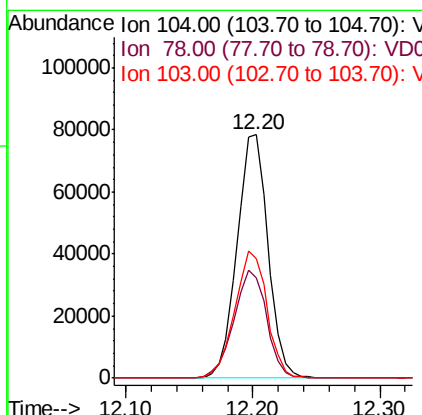
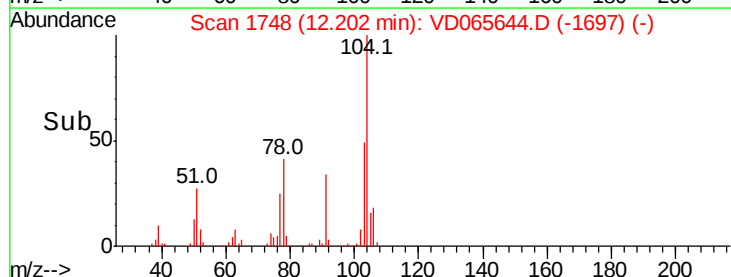
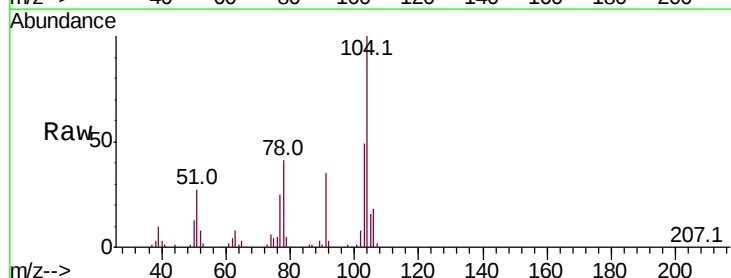
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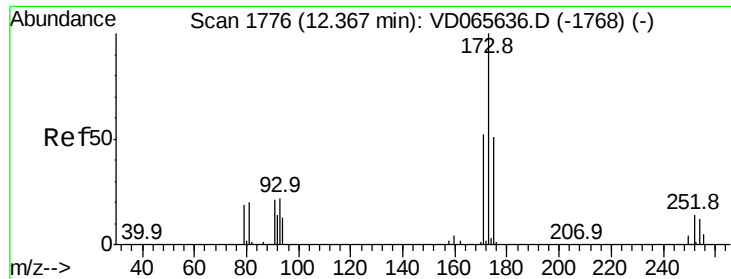
MMDadoda
4/20/2020 4:28:21 PM



#70
Styrene
Concen: 20.008 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion:104 Resp: 132964
Ion Ratio Lower Upper
104 100
78 46.8 37.5 56.3
103 54.4 43.4 65.0





#71

Bromoform

Concen: 18.835 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

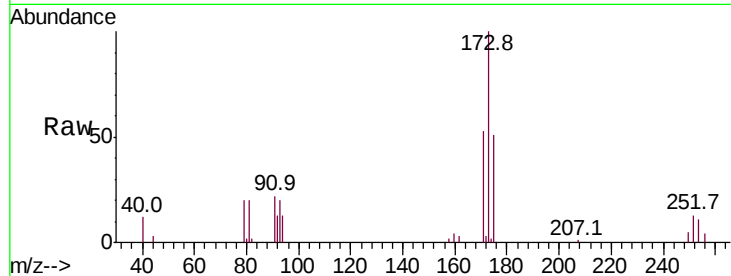
ClientSampleId :

VD0417SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	25.1	75.2
254	0.0	0.0	0.0

Manual Integrations
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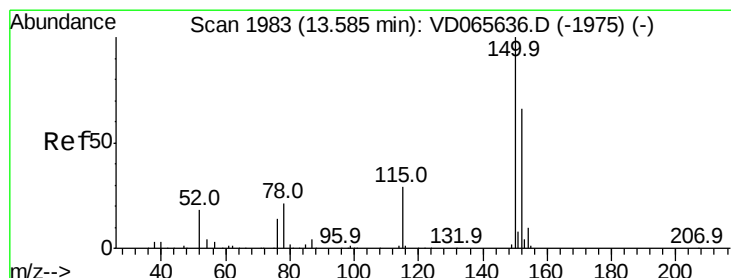
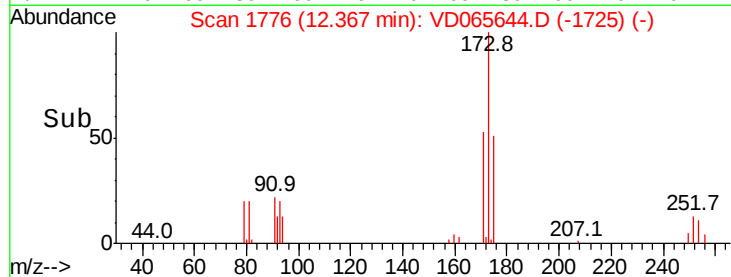
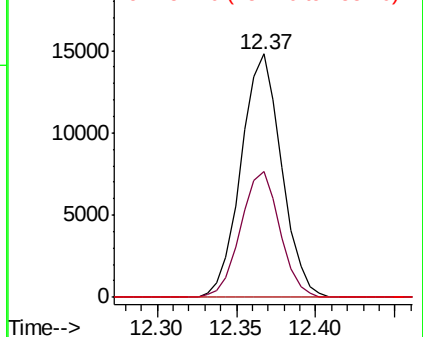


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

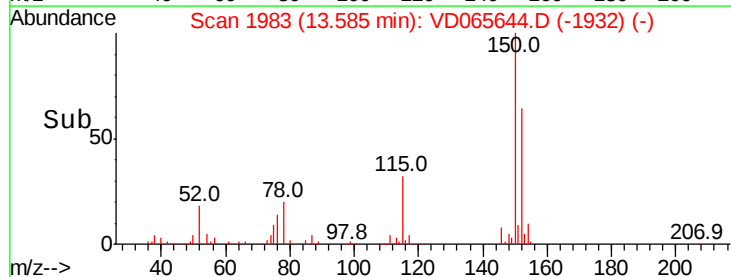
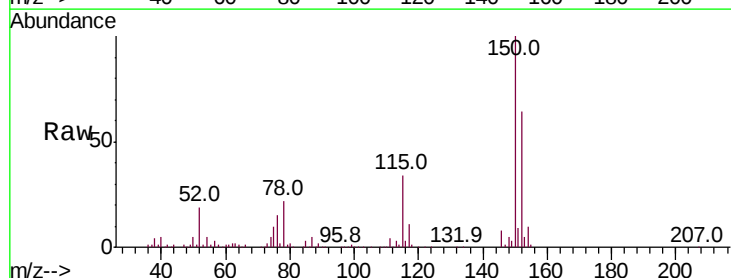
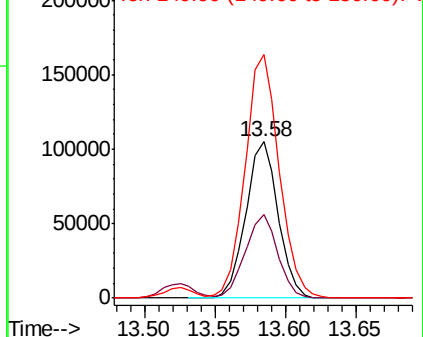
Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.6	82.7
150	164.4	0.0	346.0

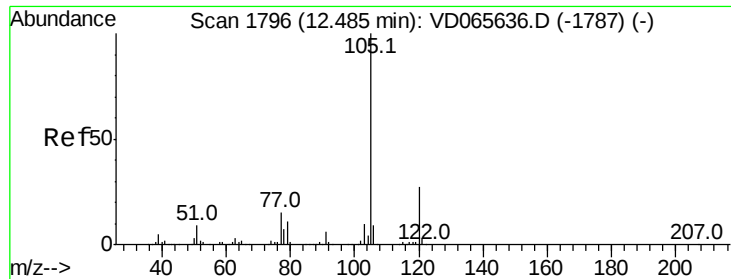
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





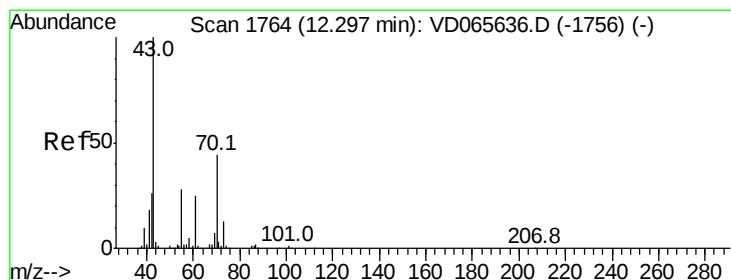
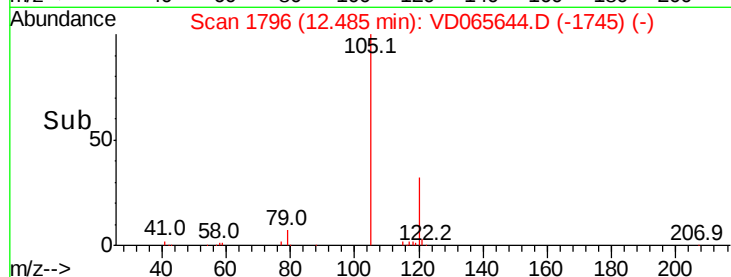
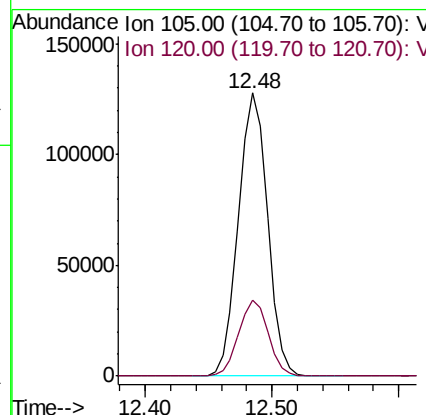
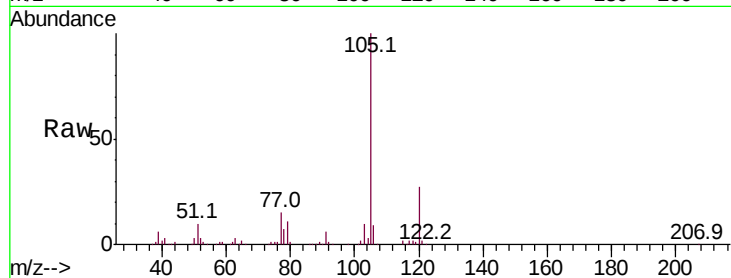
#73
Isopropylbenzene
Concen: 19.974 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.4	40.2

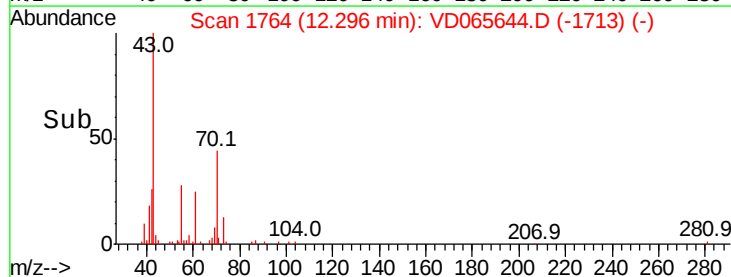
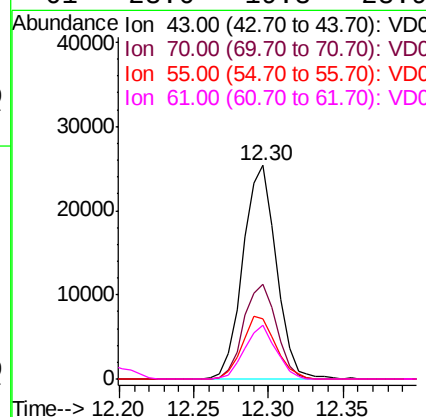
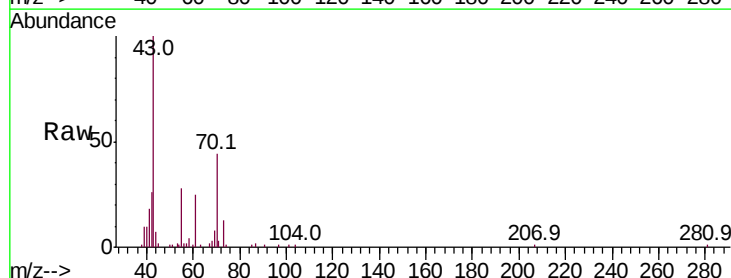
Manual Integrations
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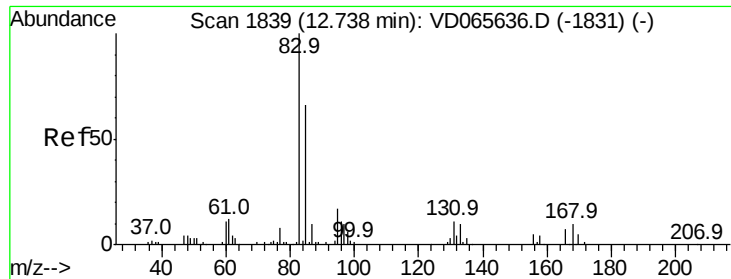
MMDadoda
4/20/2020 4:28:21 PM



#74
N-ethyl acetate
Concen: 18.365 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	35.4	53.0
55	29.7	22.2	33.2
61	23.6	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 18.848 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

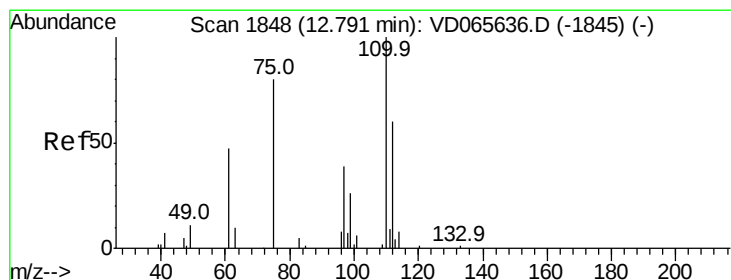
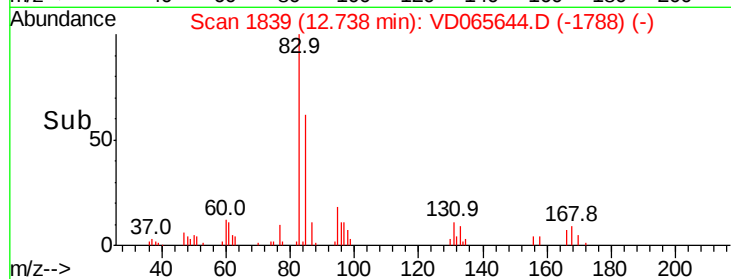
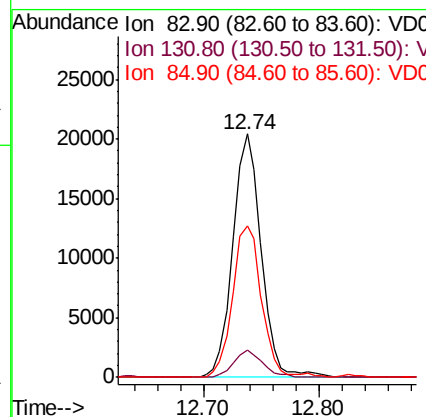
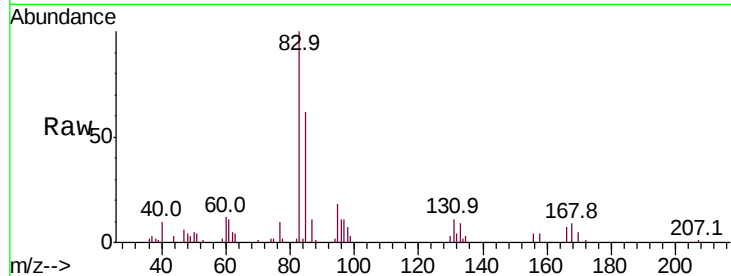
ClientSampleId :

VD0417SBS01

Tot Ion:	83	Resp:	34797
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.0
85	62.7	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.895 ug/l m

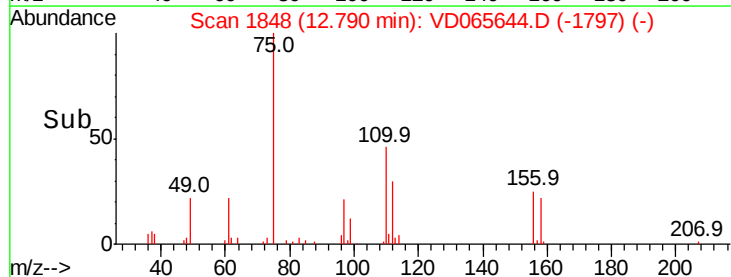
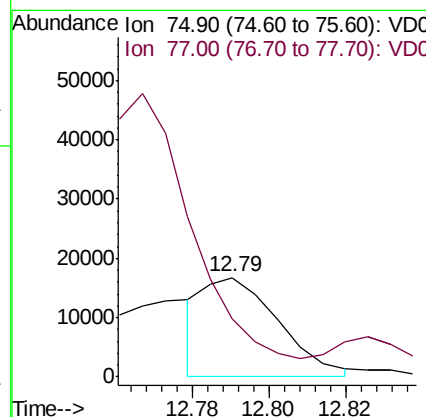
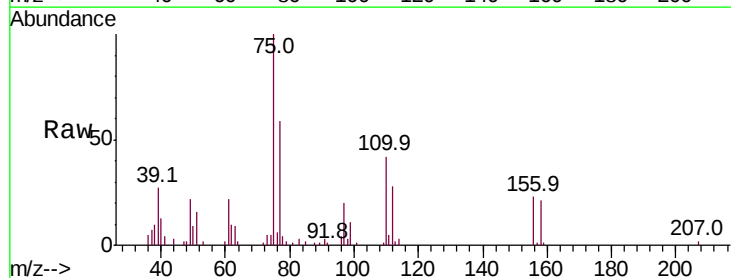
RT: 12.79 min Scan# 1848

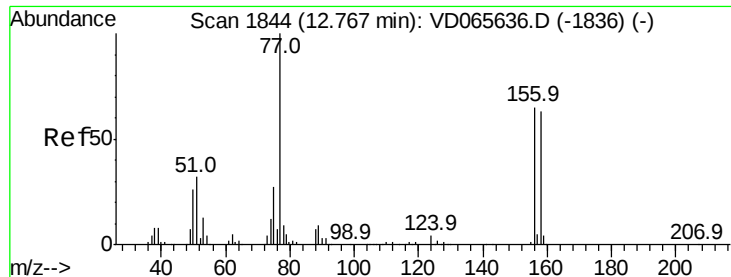
Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Tgt Ion:	75	Resp:	22901
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





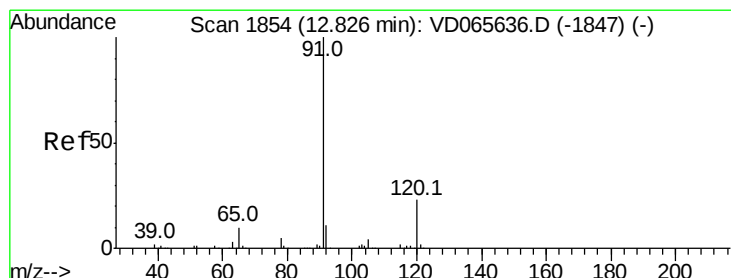
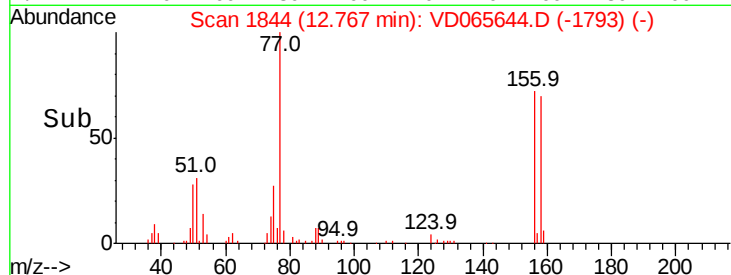
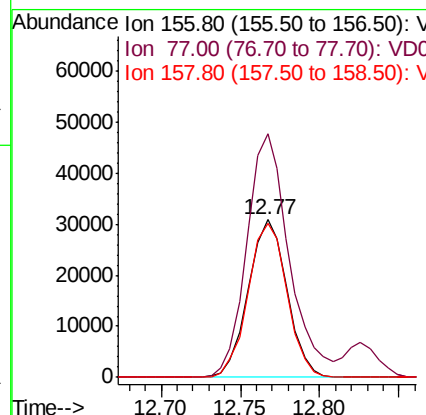
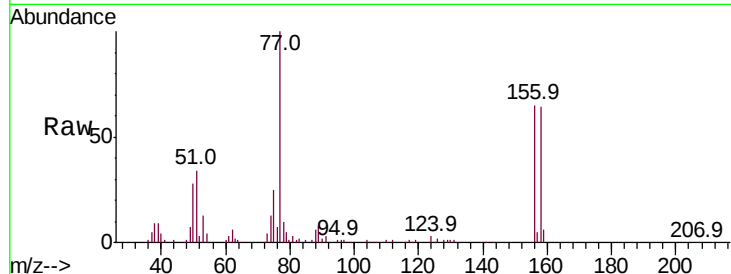
#77
Bromobenzene
Concen: 19.495 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion:156 Resp: 52639
Ion Ratio Lower Upper
156 100
77 168.7 84.7 254.1
158 97.6 48.5 145.5

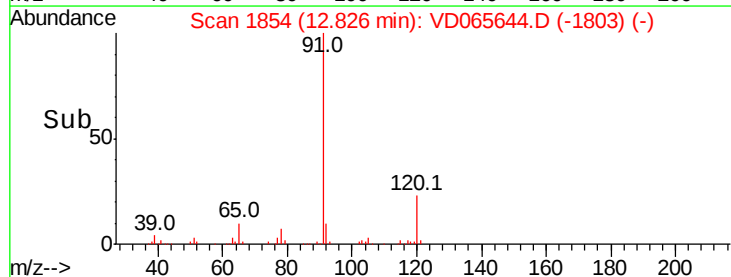
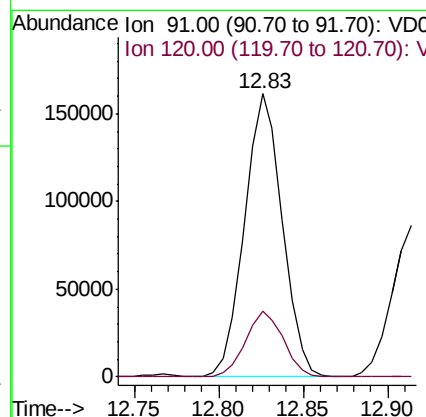
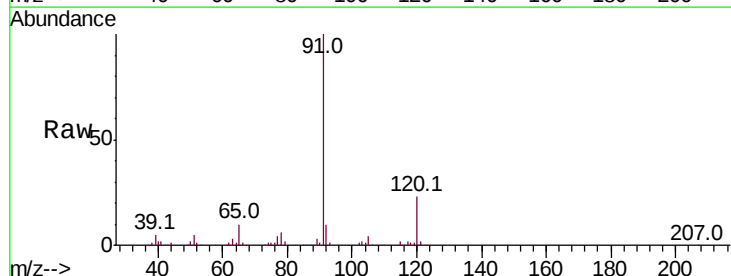
Manual Integrations
APPROVED

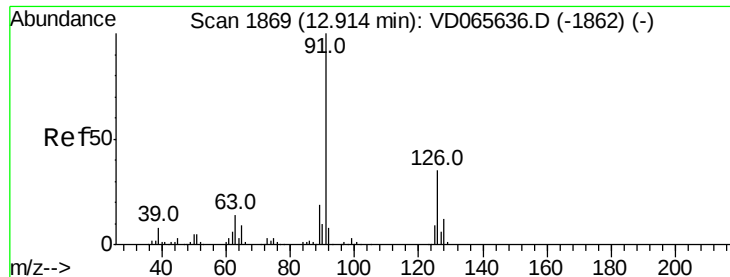
MMDadoda
4/20/2020 4:28:21 PM



#78
n-propylbenzene
Concen: 20.387 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion: 91 Resp: 250770
Ion Ratio Lower Upper
91 100
120 23.2 11.7 35.1





#79

2-Chlorotoluene

Concen: 20.264 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion: 91 Resp: 141547

Ion Ratio Lower Upper

91 100

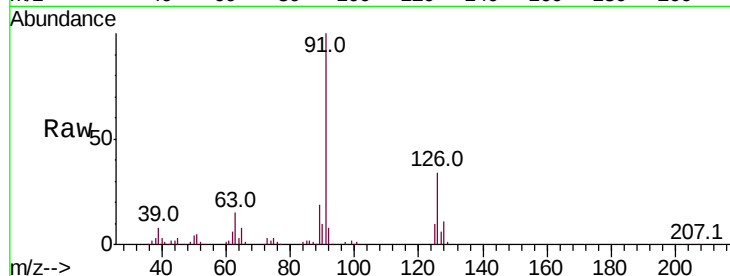
126 34.7 17.8 53.3

Manual Integrations

APPROVED

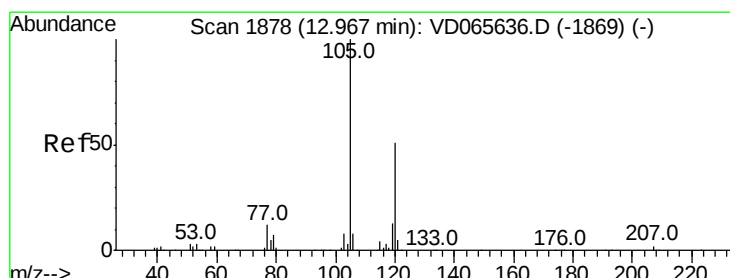
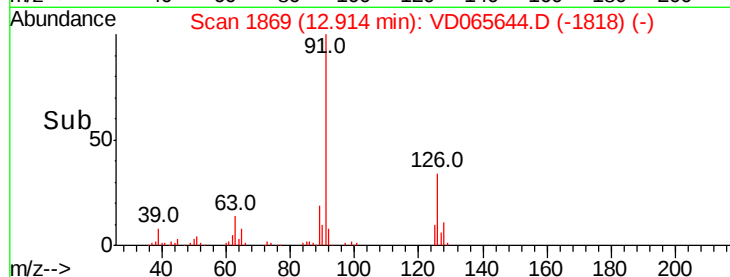
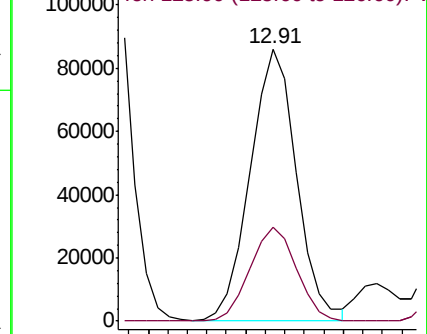
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Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.232 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065644.D

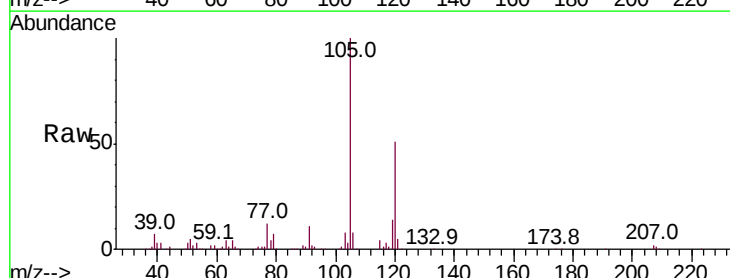
Acq: 17 Apr 2020 15:00

Tgt Ion:105 Resp: 173605

Ion Ratio Lower Upper

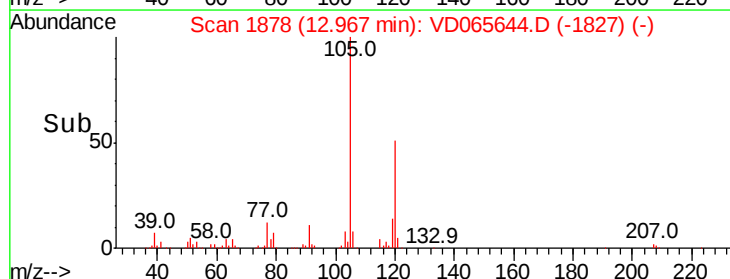
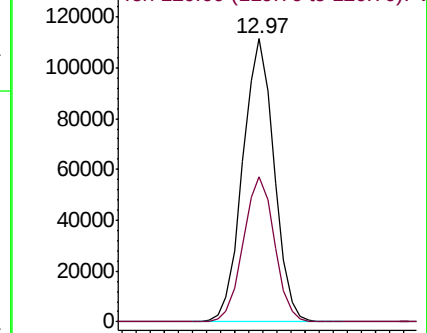
105 100

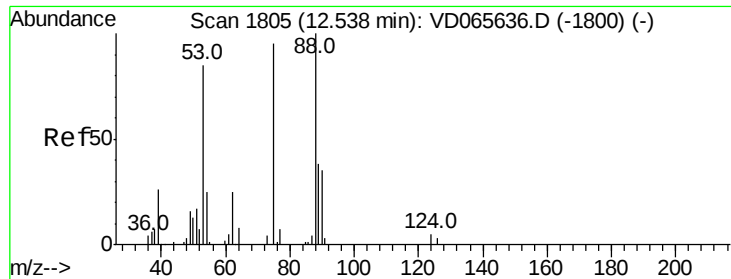
120 50.8 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





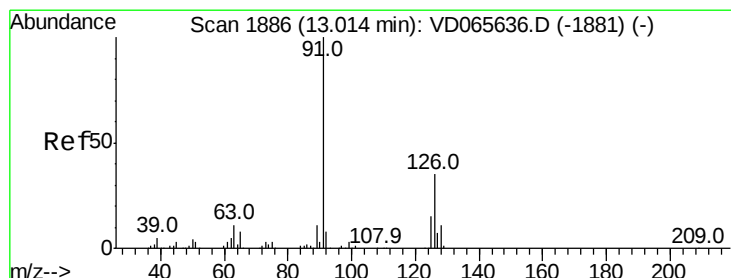
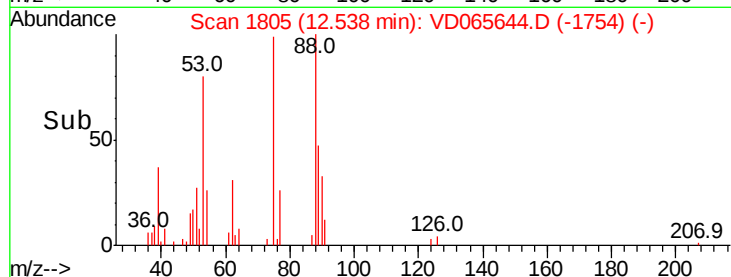
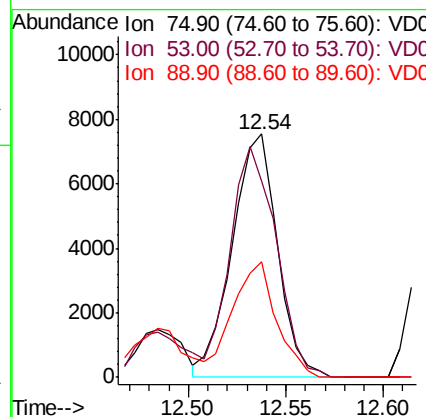
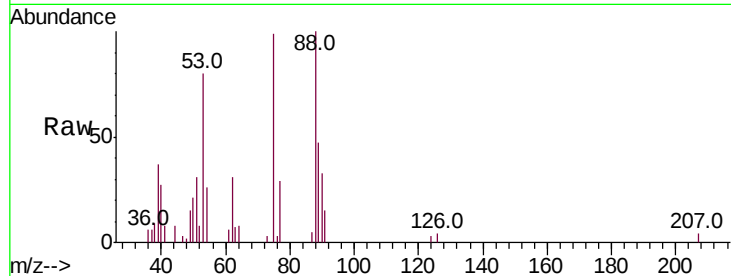
#81
trans-1,4-Dichloro-2-butene
Concen: 19.664 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.8	76.8	115.2
89	45.9	36.1	54.1

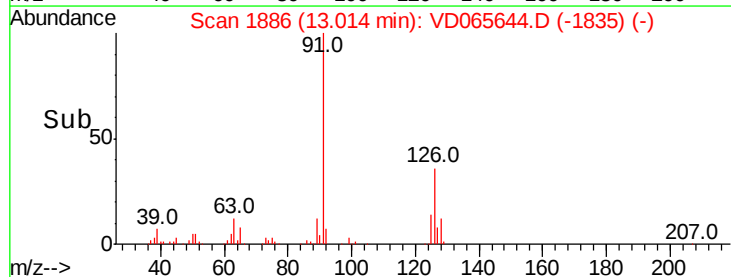
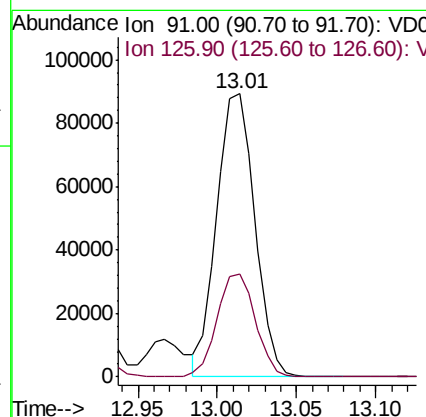
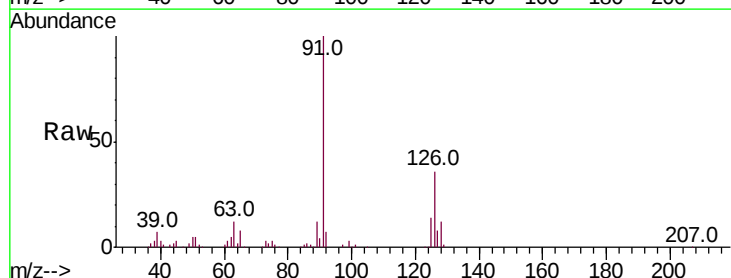
Manual Integrations
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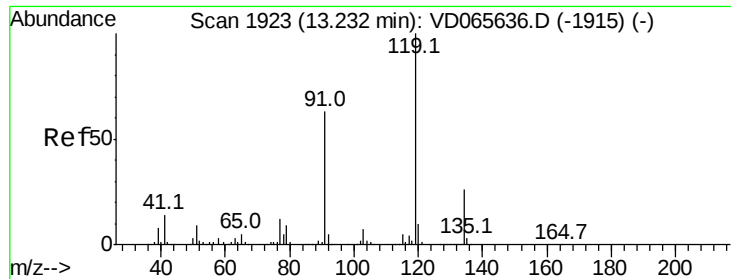
MMDadoda
4/20/2020 4:28:21 PM



#82
4-Chlorotoluene
Concen: 19.913 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.5	52.6





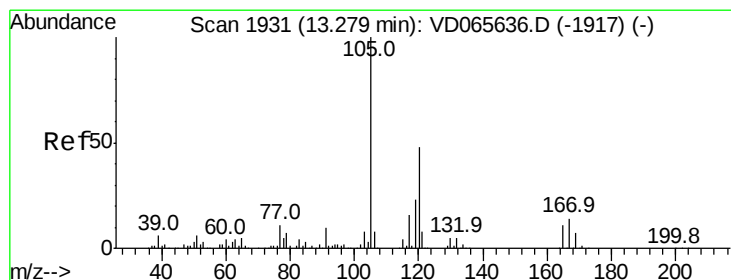
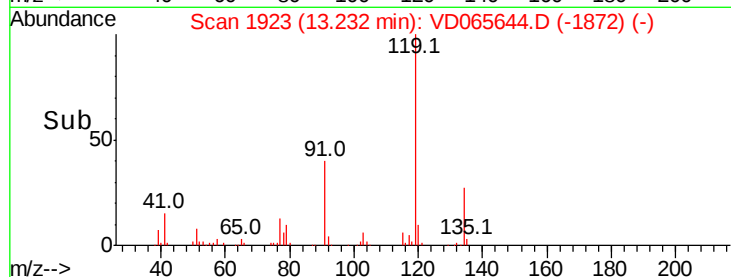
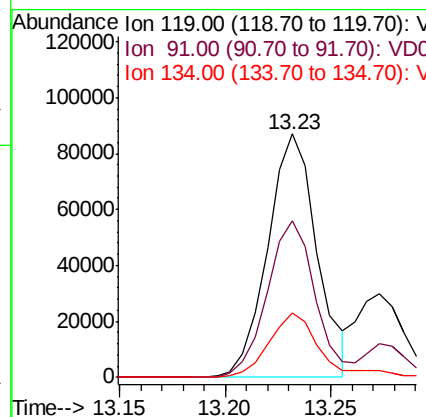
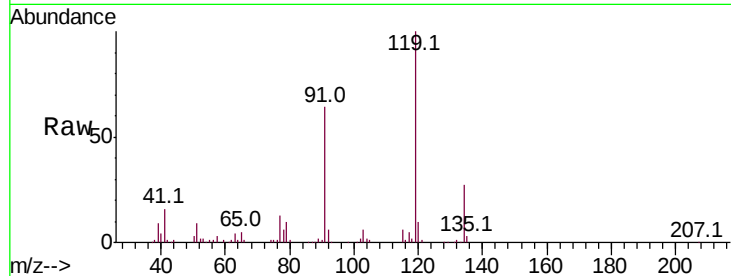
#83
tert-Butylbenzene
Concen: 19.653 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	141397		
91	63.4	31.7	95.1	
134	27.8	14.0	41.9	

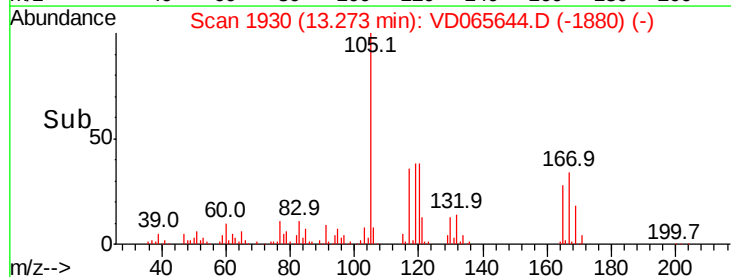
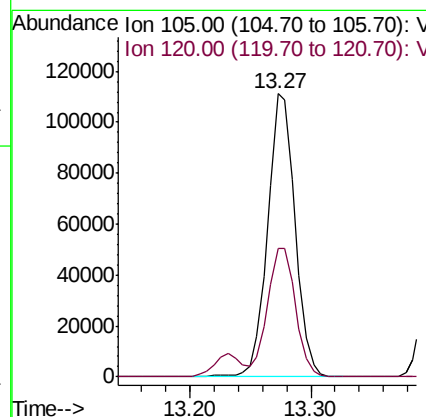
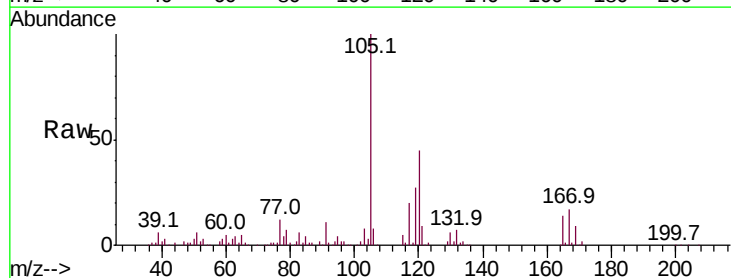
Manual Integrations
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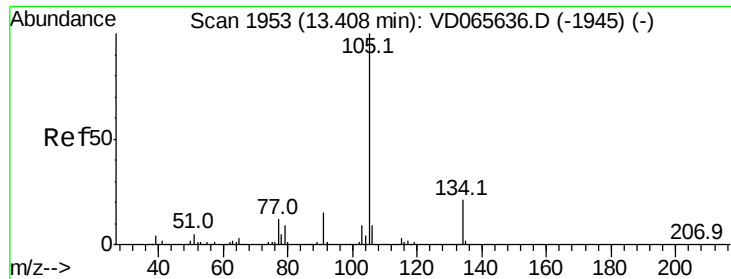
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#84
1,2,4-Trimethylbenzene
Concen: 20.569 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	175957		
120	46.3	23.5	70.6	





#85

sec-Butylbenzene

Concen: 19.391 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

Instrument :

MSVOA_D

ClientSampleId :

VD0417SBS01

Tot Ion:105 Resp: 199594

Ion Ratio Lower Upper

105 100

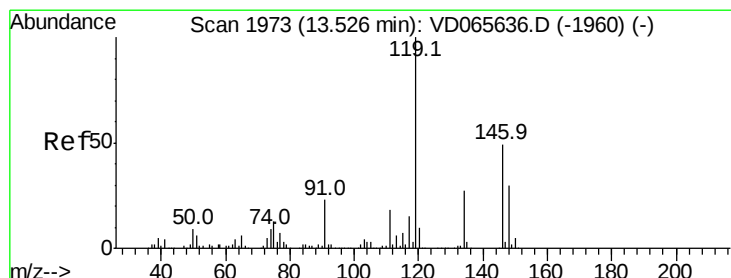
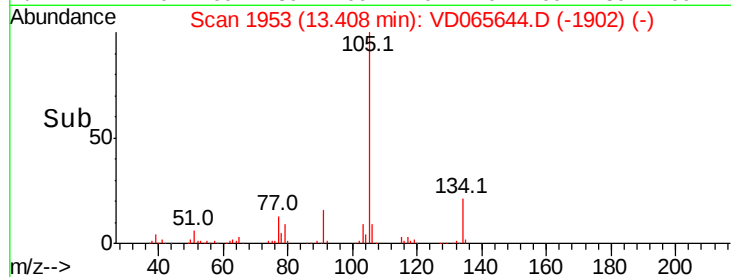
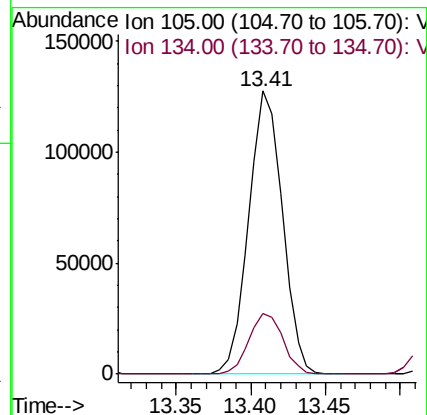
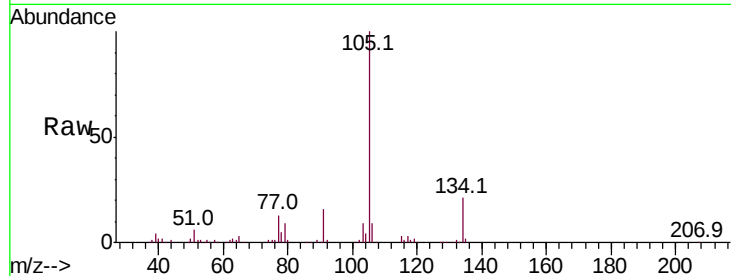
134 21.5 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.933 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065644.D

Acq: 17 Apr 2020 15:00

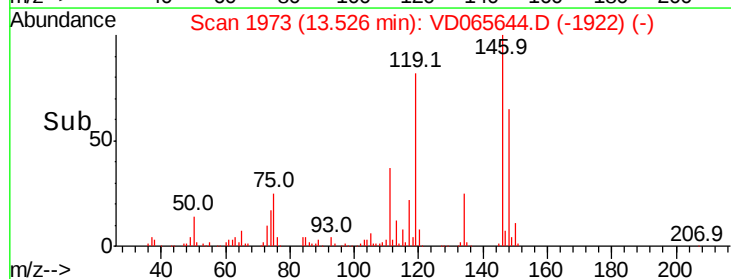
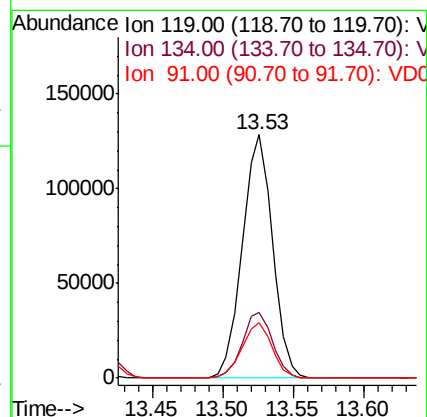
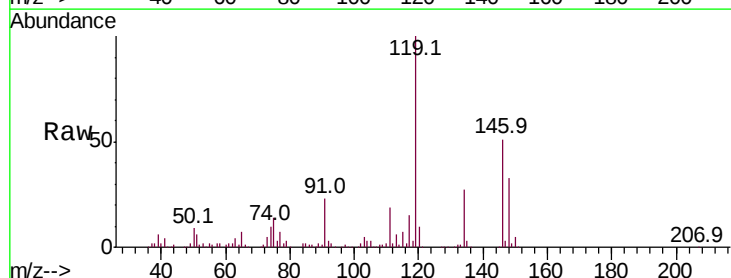
Tgt Ion:119 Resp: 192547

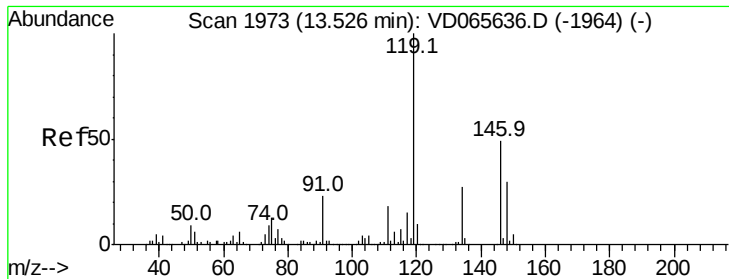
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 22.8 11.1 33.3





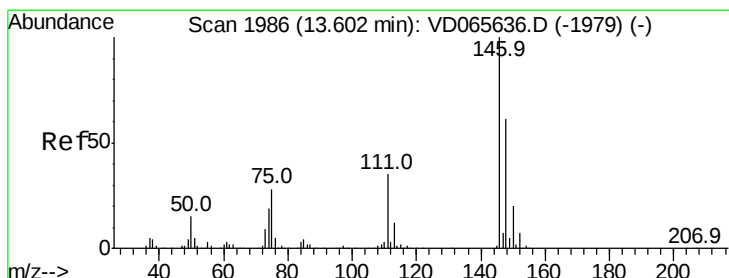
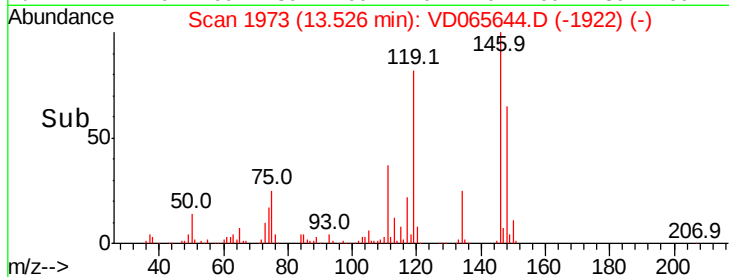
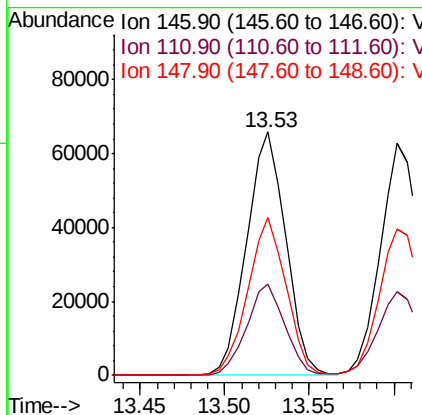
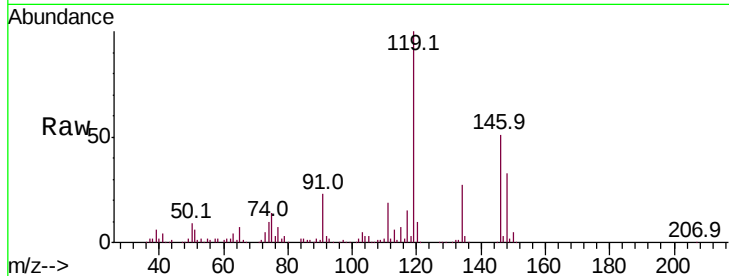
#87
 1,3-Dichlorobenzene
 Concen: 20.088 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	106199		
111	36.6	18.6	55.6	
148	63.5	31.6	94.8	

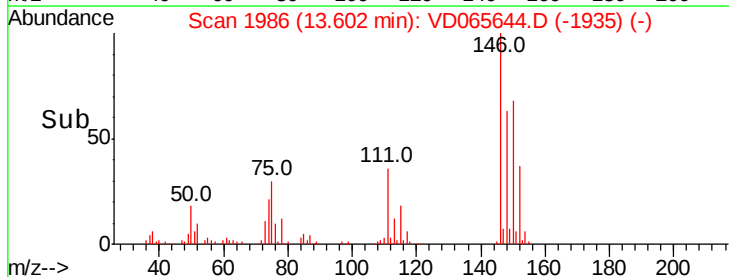
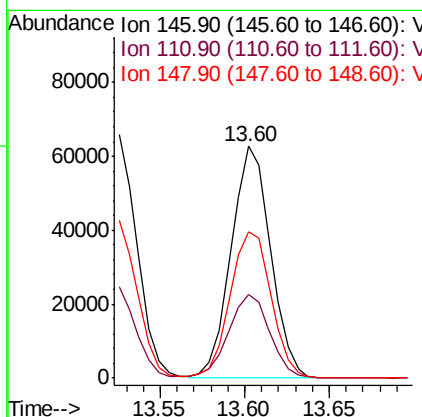
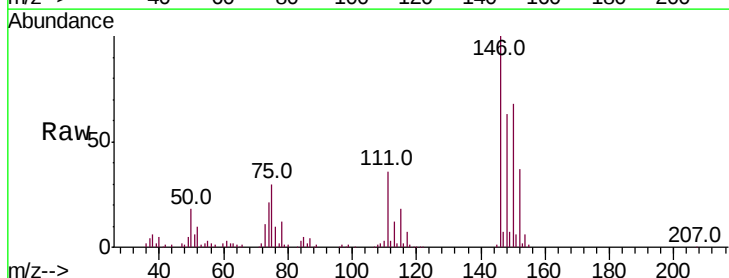
Manual Integrations
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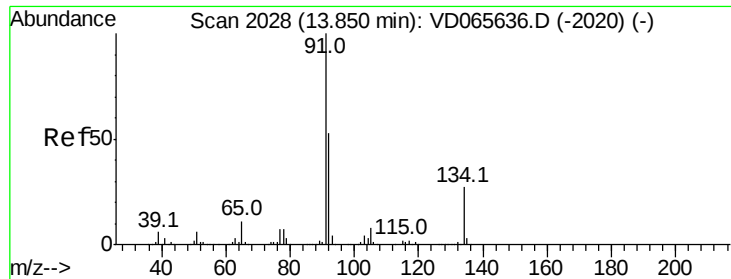
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#88
 1,4-Dichlorobenzene
 Concen: 19.453 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	102365		
111	37.8	18.0	54.0	
148	65.7	31.4	94.2	





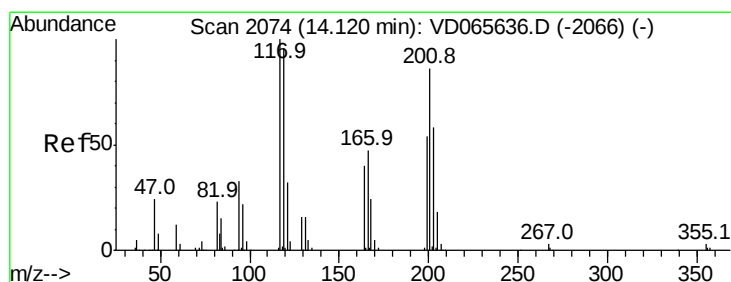
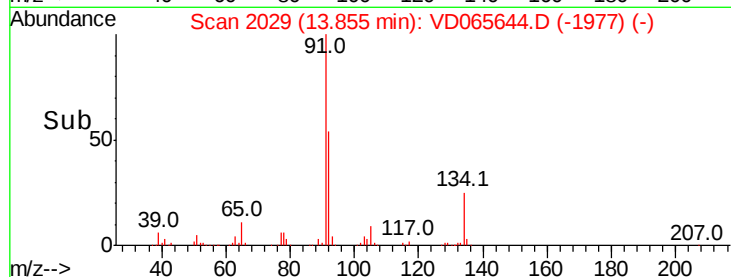
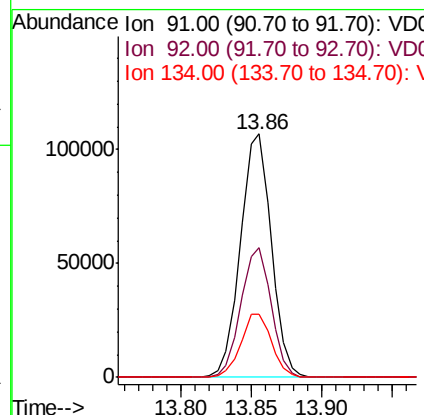
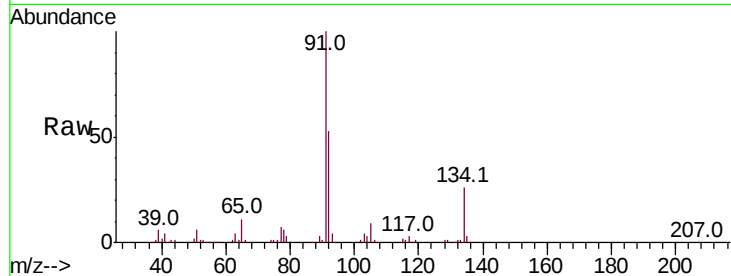
#89
n-Butylbenzene
Concen: 18.642 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.9	80.6
134	26.0	13.6	40.8

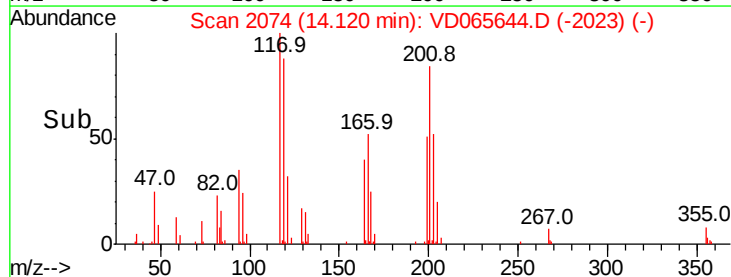
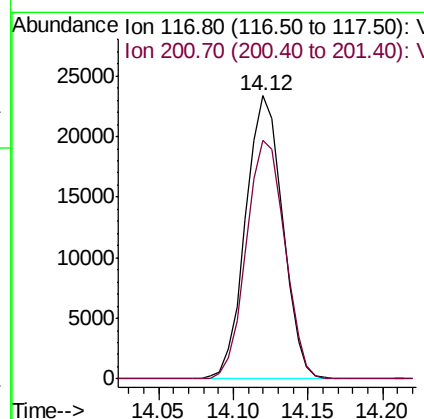
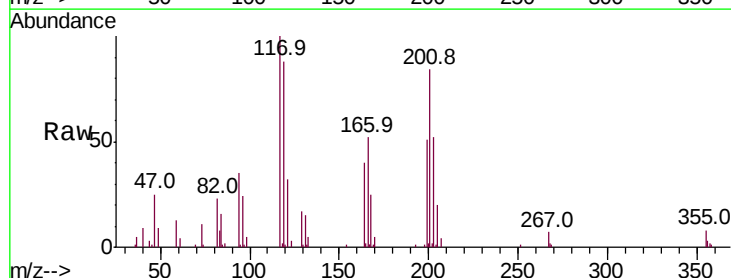
Manual Integrations
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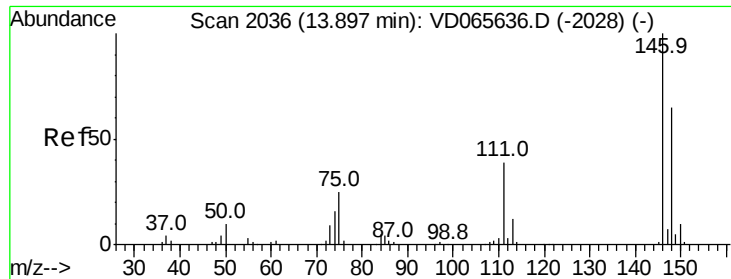
MMDadoda
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#90
Hexachloroethane
Concen: 19.822 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.3	44.9	134.7





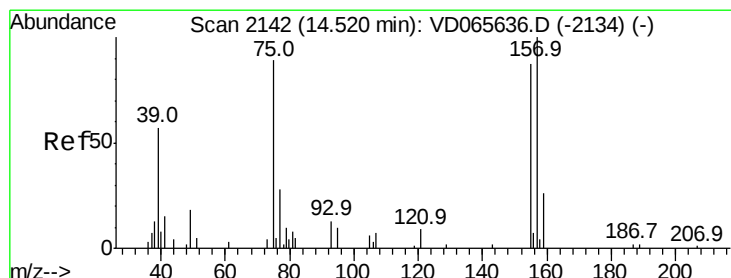
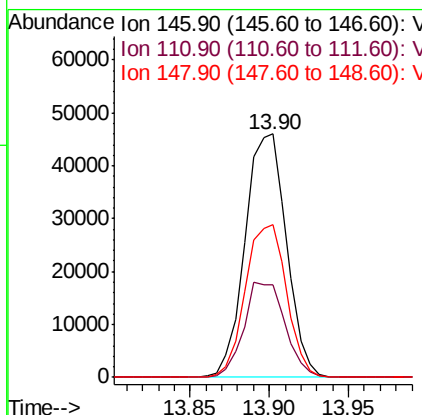
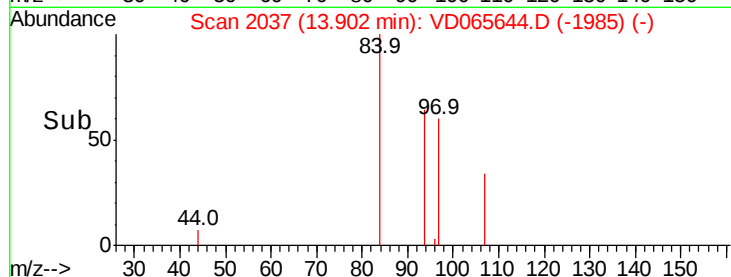
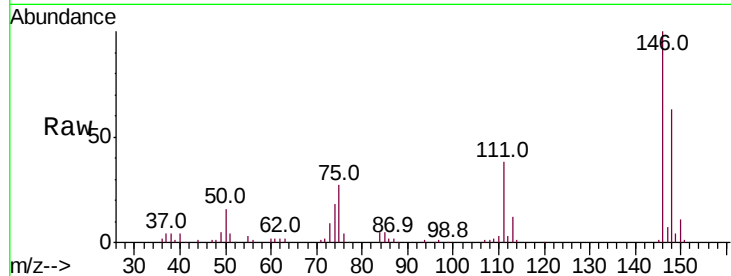
#91
 1,2-Dichlorobenzene
 Concen: 18.451 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.9
148	62.6	32.0	96.0

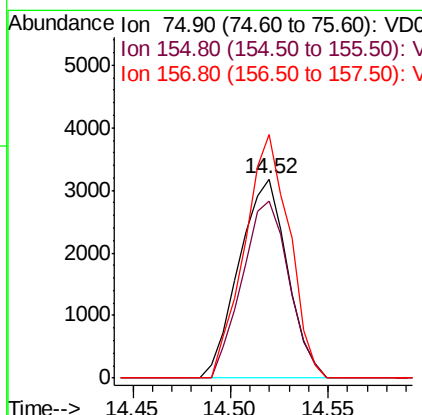
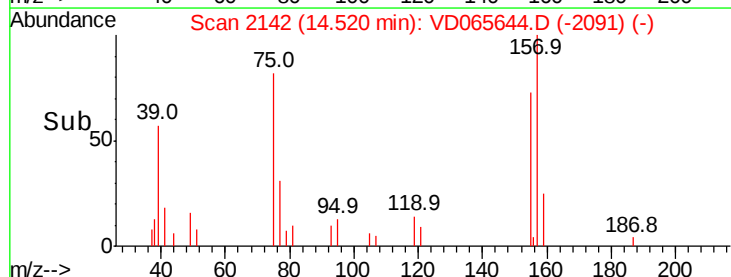
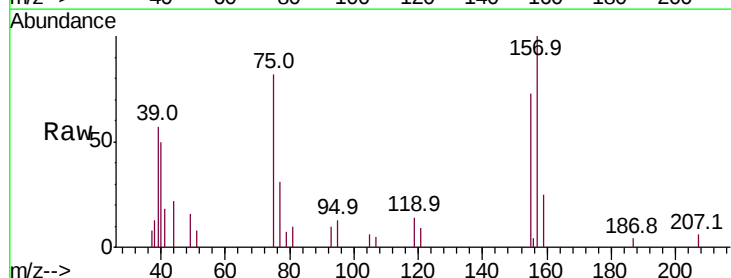
Manual Integrations
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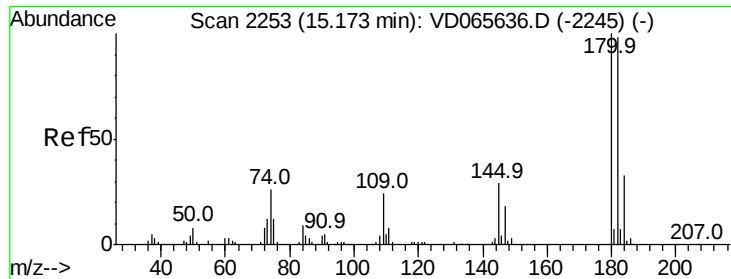
MMDadoda
 4/20/2020 4:28:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.541 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	48.0	144.2
157	113.5	59.2	177.6





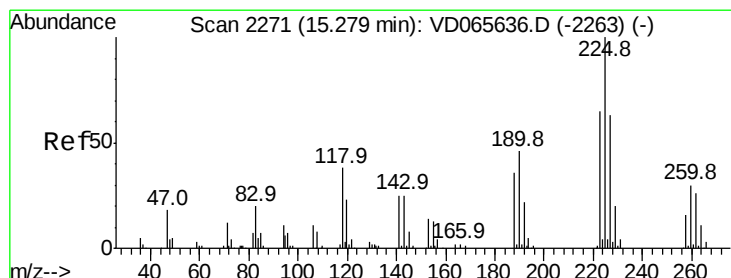
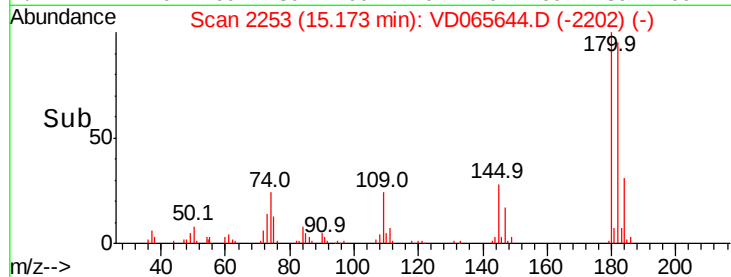
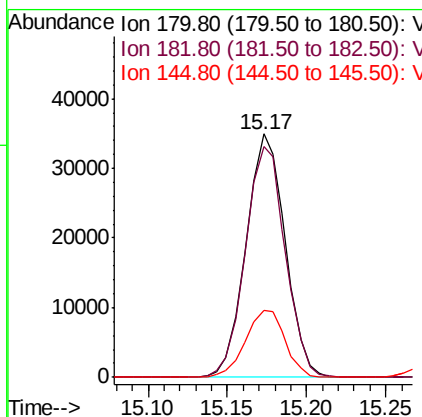
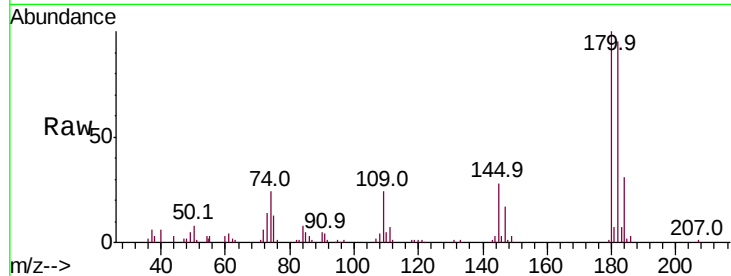
#93
 1,2,4-Trichlorobenzene
 Concen: 19.162 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0417SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	48.9	146.6
145	28.0	13.8	41.3

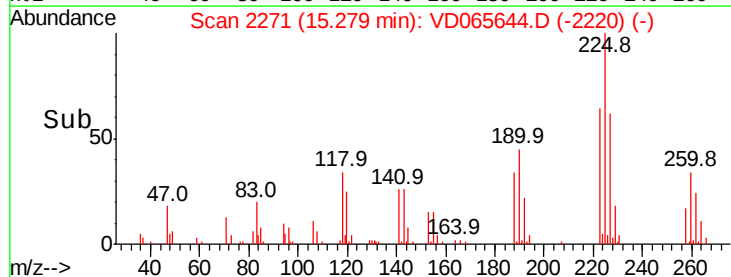
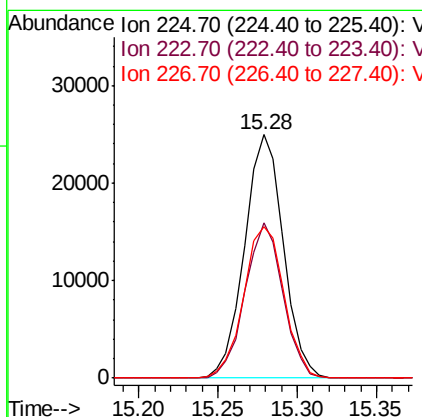
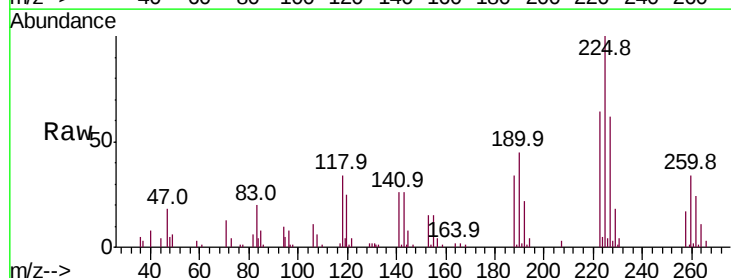
Manual Integrations
 APPROVED

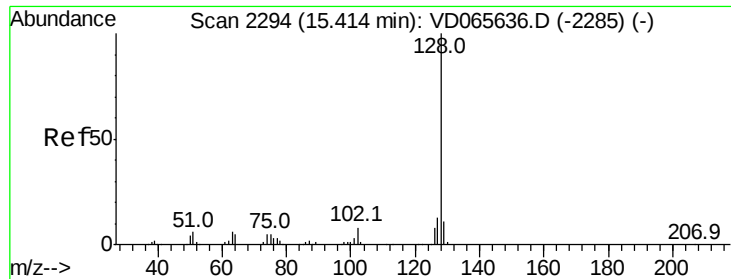
MMDadoda
 4/20/2020 4:28:21 PM



#94
 Hexachlorobutadiene
 Concen: 19.884 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065644.D
 Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.8	31.9	95.5
227	64.6	32.0	96.2





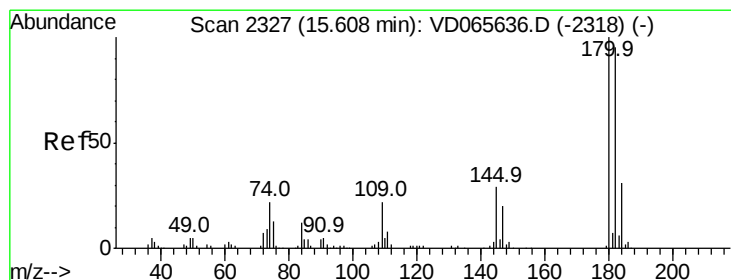
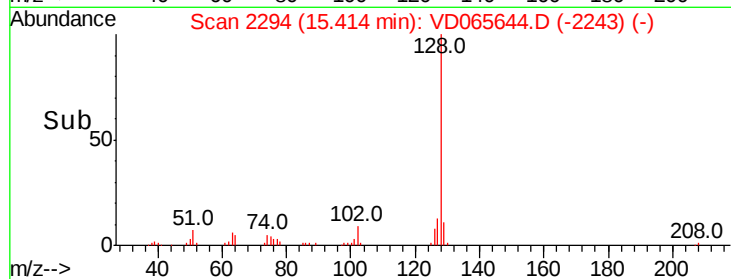
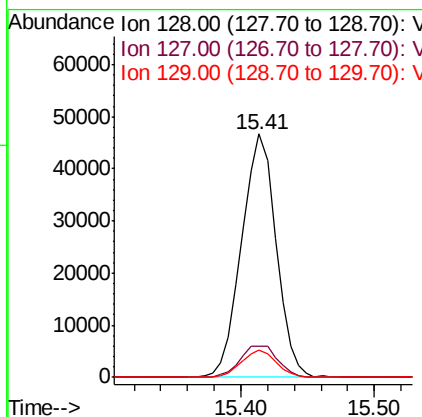
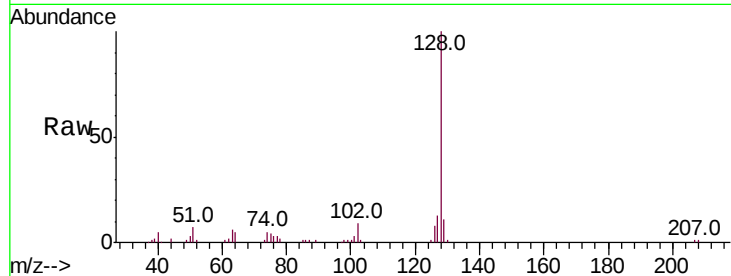
#95
Naphthalene
Concen: 18.451 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Instrument :
MSVOA_D
ClientSampleId :
VD0417SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.6	16.0
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/20/2020 4:28:21 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.239 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065644.D
Acq: 17 Apr 2020 15:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	30.2	15.0	45.0

