

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067843.D
 Acq On : 02 Dec 2020 18:41
 Operator : VA/SY
 Sample : L4880-05MSD
 Misc : 4.75G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MSD

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 9:56:58 AM

Quant Time: Dec 03 01:59:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	199061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	281968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	240581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	99001	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	100903	47.22	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.44%
35) Dibromofluoromethane	7.92	113	94616	50.15	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.30%
50) Toluene-d8	10.34	98	334428	49.24	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.48%
62) 4-Bromofluorobenzene	12.63	95	98339	41.88	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	83.76%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89244	51.516	ug/l	99
3) Chloromethane	2.21	50	42732	42.741	ug/l	98
4) Vinyl Chloride	2.35	62	64046	50.864	ug/l	90
5) Bromomethane	2.77	94	76160	67.755	ug/l	96
6) Chloroethane	2.93	64	41268	50.338	ug/l	100
7) Trichlorofluoromethane	3.28	101	185190	48.064	ug/l	97
8) Diethyl Ether	3.71	74	34794	46.332	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	80301	45.704	ug/l	98
10) Methyl Iodide	4.30	142	68368	36.712	ug/l	99
11) Tert butyl alcohol	5.22	59	18310	141.809	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	79759	48.353	ug/l	94
13) Acrolein	3.92	56	7049	85.836	ug/l	86
14) Allyl chloride	4.72	41	76047	49.835	ug/l	96
15) Acrylonitrile	5.42	53	50203	192.794	ug/l	99
16) Acetone	4.16	43	43400	164.352	ug/l	94
17) Carbon Disulfide	4.41	76	214118	46.493	ug/l	96
18) Methyl Acetate	4.71	43	59509	121.115	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	164800	46.658	ug/l	99
20) Methylene Chloride	4.97	84	90685	53.285	ug/l	94
21) trans-1,2-Dichloroethene	5.48	96	90911	48.434	ug/l	95
22) Diisopropyl ether	6.37	45	150990	49.196	ug/l	93
23) Vinyl Acetate	6.36	43	161078m	94.341	ug/l	
24) 1,1-Dichloroethane	6.27	63	134692	50.064	ug/l	98
25) 2-Butanone	7.21	43	53050	191.000	ug/l	98
26) 2,2-Dichloropropane	7.21	77	155262	48.395	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	100937	49.164	ug/l	99
28) Bromochloromethane	7.55	49	41913	49.067	ug/l	96
29) Tetrahydrofuran	7.57	42	31997	202.326	ug/l	97
30) Chloroform	7.71	83	177726	49.431	ug/l	98
31) Cyclohexane	7.99	56	91152	40.486	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	183385	48.318	ug/l	99
36) 1,1-Dichloropropene	8.11	75	115446	47.295	ug/l	99
37) Ethyl Acetate	7.30	43	16810	25.552	ug/l #	82
38) Carbon Tetrachloride	8.10	117	172419	46.685	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	93099	32.184	ug/l	99
40) Benzene	8.36	78	325587	48.746	ug/l	99
41) Methacrylonitrile	7.53	41	13865m	43.827	ug/l	
42) 1,2-Dichloroethane	8.43	62	109670	46.070	ug/l	100
43) Isopropyl Acetate	8.46	43	38468	29.718	ug/l #	58
44) Trichloroethene	9.11	130	108093	47.070	ug/l	94
45) 1,2-Dichloropropane	9.39	63	64938	47.370	ug/l	89
46) Dibromomethane	9.48	93	41019	43.036	ug/l	92
47) Bromodichloromethane	9.67	83	128546	47.308	ug/l	100
48) Methyl methacrylate	9.46	41	34271	52.139	ug/l	94
49) 1,4-Dioxane	9.46	88	9016	827.841	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	124988	204.012	ug/l	98
52) Toluene	10.41	92	219658	47.038	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	102078	43.525	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	121367	47.575	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	55670	42.679	ug/l	96
56) Ethyl methacrylate	10.67	69	33068	24.917	ug/l #	73
57) 1,3-Dichloropropane	10.95	76	90676	43.886	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	144259	238.883	ug/l	100
59) 2-Hexanone	10.98	43	79473	184.014	ug/l	98
60) Dibromochloromethane	11.14	129	87758	44.632	ug/l	98
61) 1,2-Dibromoethane	11.25	107	52203	40.698	ug/l	98
64) Tetrachloroethene	10.88	164	83196	42.395	ug/l	98
65) Chlorobenzene	11.67	112	226866	45.701	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	101051	49.909	ug/l	94
67) Ethyl Benzene	11.75	91	397400	46.994	ug/l	95
68) m/p-Xylenes	11.86	106	305089	91.497	ug/l	100
69) o-Xylene	12.18	106	139831	47.237	ug/l	99
70) Styrene	12.20	104	228757	44.442	ug/l	99
71) Bromoform	12.37	173	46899	43.759	ug/l #	99
73) Isopropylbenzene	12.48	105	364029	53.469	ug/l	98
74) N-amyl acetate	12.29	43	22356	26.546	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	46042	51.223	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	36357m	50.429	ug/l	
77) Bromobenzene	12.77	156	88290	52.163	ug/l	97
78) n-propylbenzene	12.83	91	360188	47.733	ug/l	99
79) 2-Chlorotoluene	12.91	91	216517	48.773	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	293995	49.875	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	14770	49.006	ug/l #	93
82) 4-Chlorotoluene	13.01	91	224551	47.419	ug/l	100
83) tert-Butylbenzene	13.23	119	244805	48.804	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	285485	48.704	ug/l	98
85) sec-Butylbenzene	13.41	105	265580	39.669	ug/l	99
86) p-Isopropyltoluene	13.52	119	264734	40.346	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	136830	41.908	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	135302	41.422	ug/l	99
89) n-Butylbenzene	13.85	91	165214	30.307	ug/l	99
90) Hexachloroethane	14.11	117	49829	41.133	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	117607	41.532	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8524	45.439	ug/l	95

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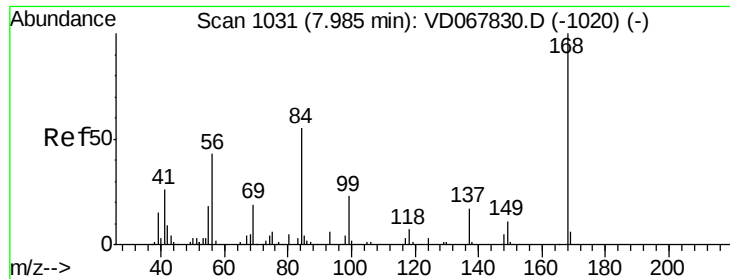
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	50551	25.521	ug/l	99
94) Hexachlorobutadiene	15.27	225	20268	15.681	ug/l	96
95) Naphthalene	15.40	128	103755	32.190	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	40596	23.732	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion:168 Resp: 199061

Ion Ratio Lower Upper

168 100

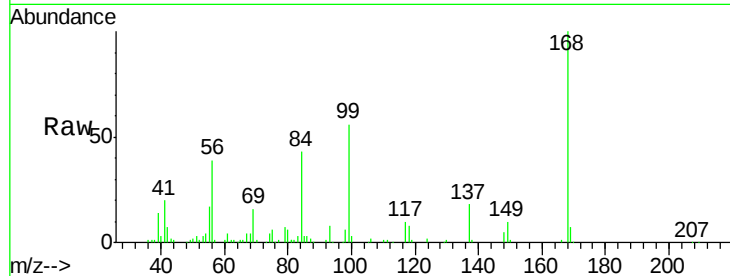
99 56.1 47.1 70.7

Manual Integrations

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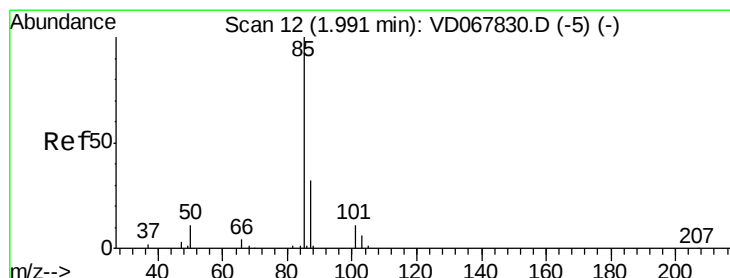
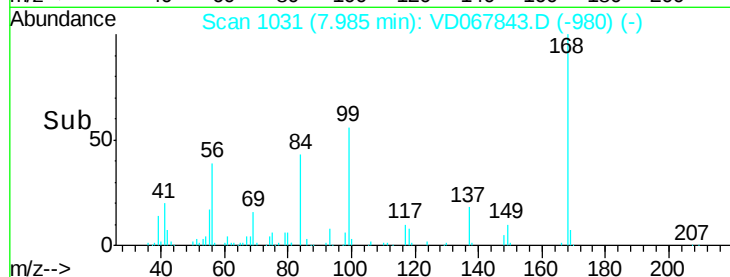
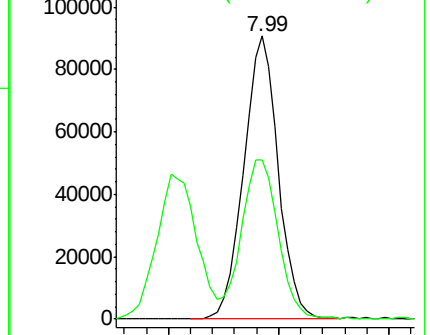
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 51.516 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067843.D

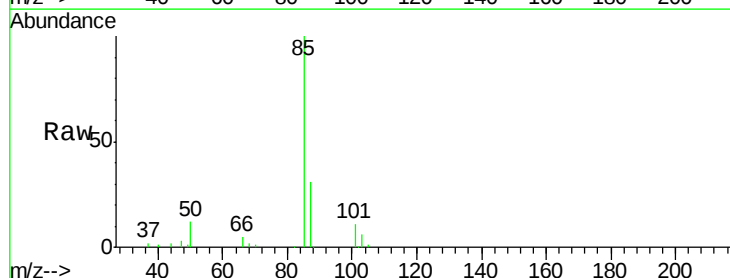
Acq: 02 Dec 2020 18:41

Tgt Ion: 85 Resp: 89244

Ion Ratio Lower Upper

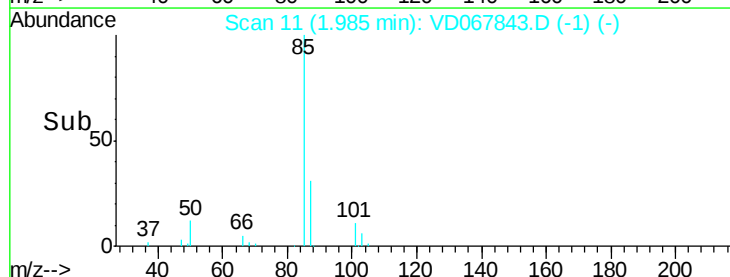
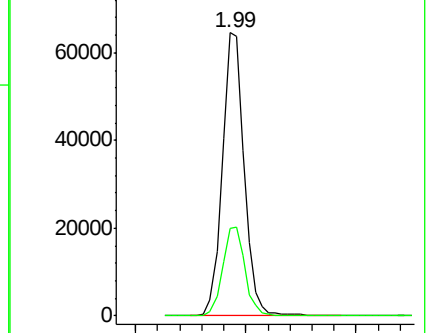
85 100

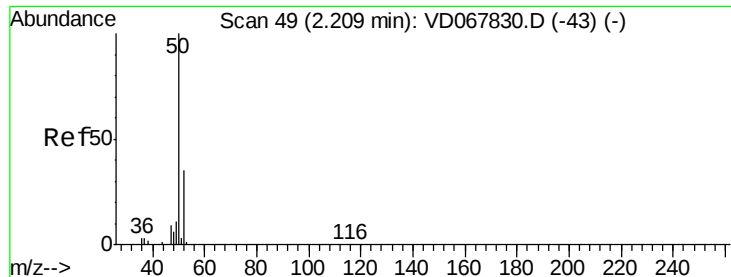
87 30.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.741 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion: 50 Resp: 42732

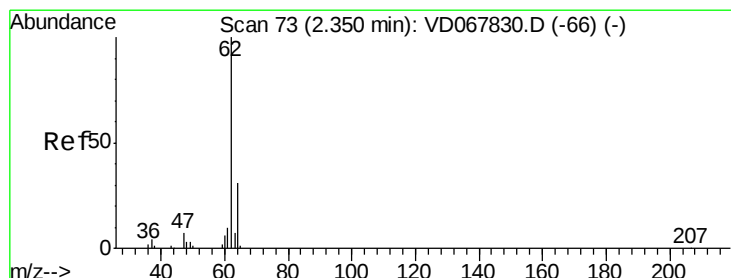
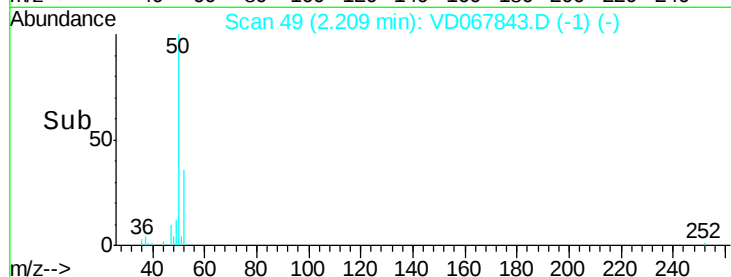
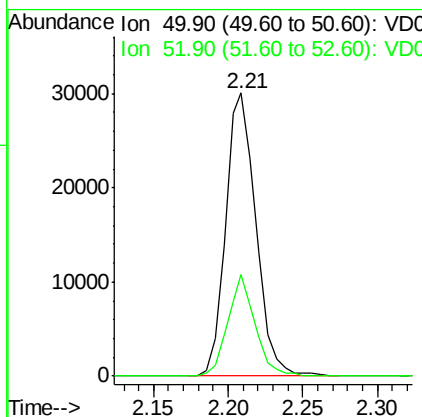
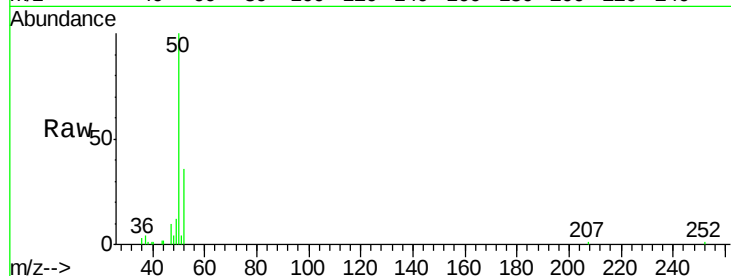
Ion Ratio Lower Upper

50 100

52 35.7 27.8 41.6

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#4

Vinyl Chloride

Concen: 50.864 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067843.D

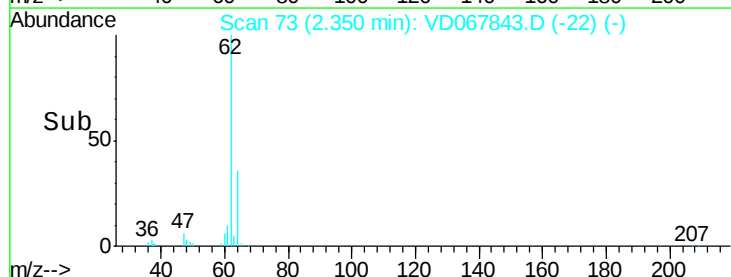
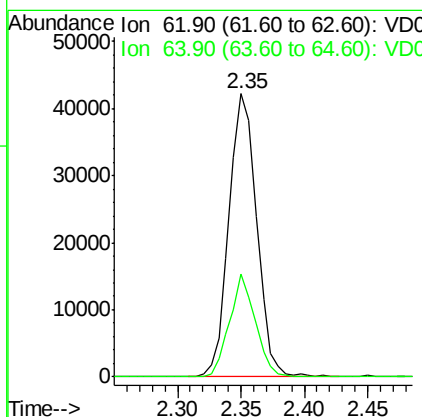
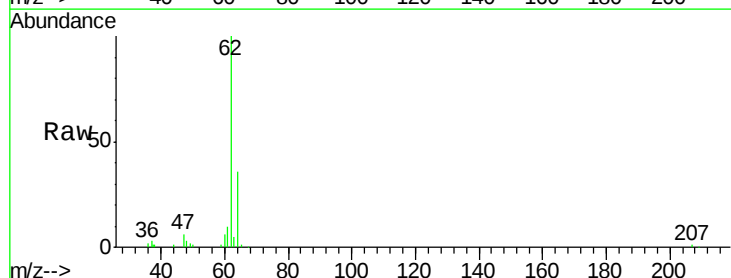
Acq: 02 Dec 2020 18:41

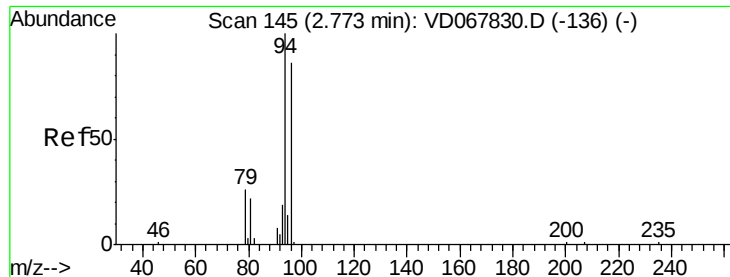
Tgt Ion: 62 Resp: 64046

Ion Ratio Lower Upper

62 100

64 36.2 24.5 36.7





#5

Bromomethane

Concen: 67.755 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 76160

Ion Ratio Lower Upper

94 100

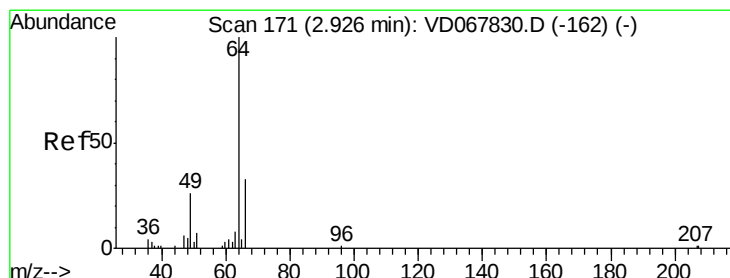
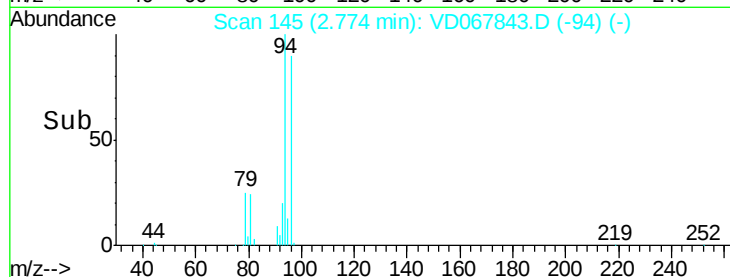
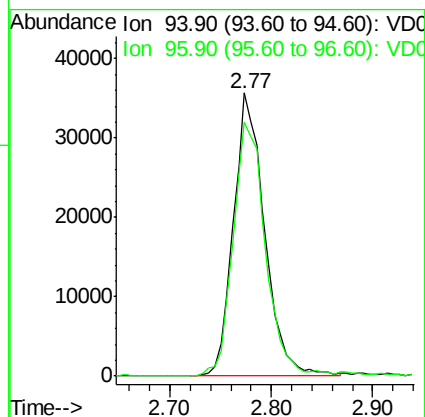
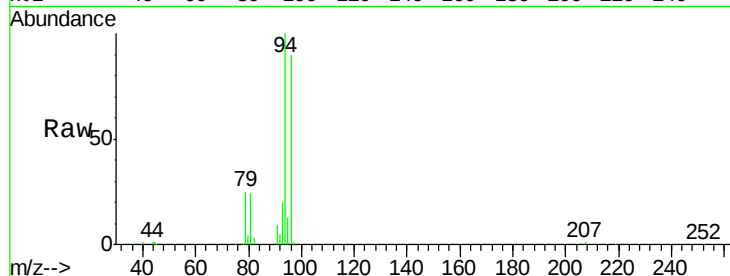
96 89.5 68.7 103.1

Manual Integrations

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#6

Chloroethane

Concen: 50.338 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067843.D

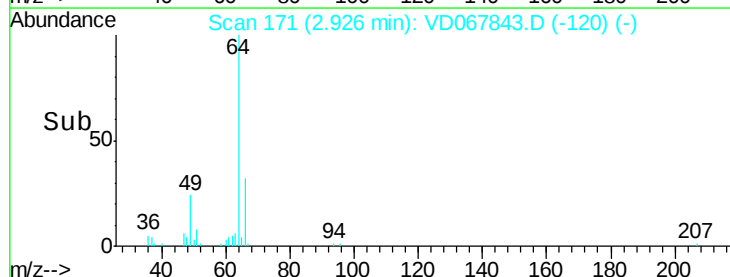
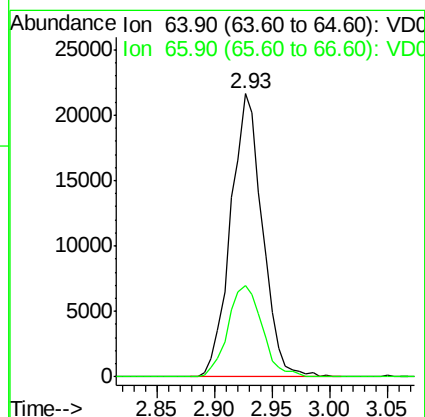
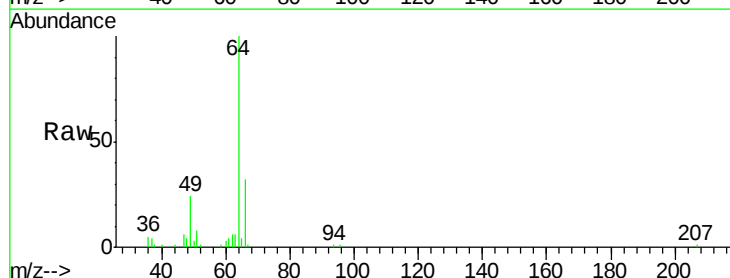
Acq: 02 Dec 2020 18:41

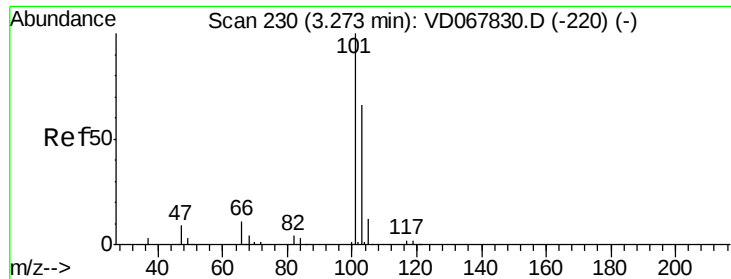
Tgt Ion: 64 Resp: 41268

Ion Ratio Lower Upper

64 100

66 32.5 26.1 39.1





#7

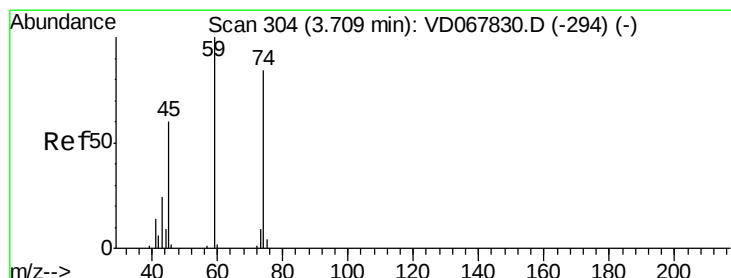
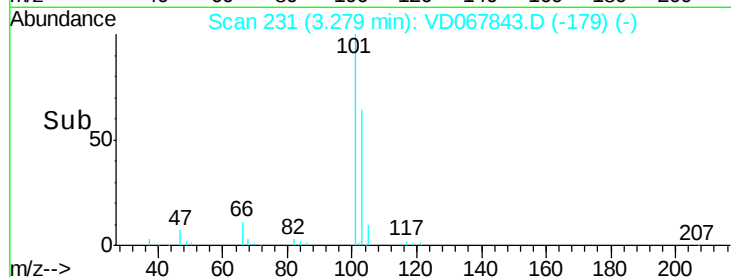
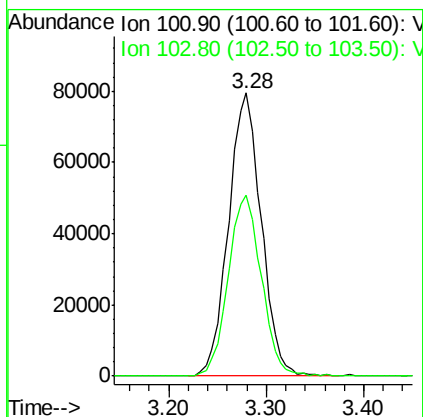
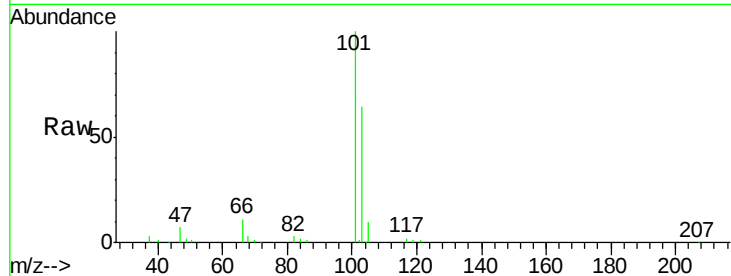
Trichlorofluoromethane
Concen: 48.064 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	185190		
103	63.8	53.0	79.6	

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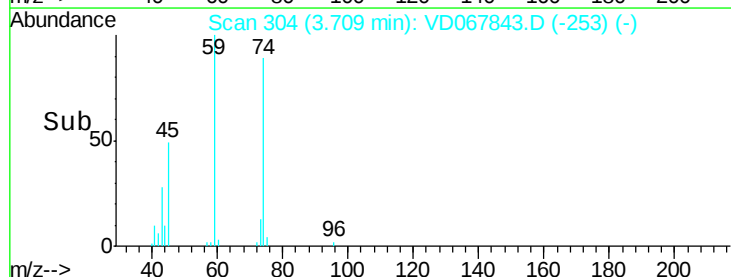
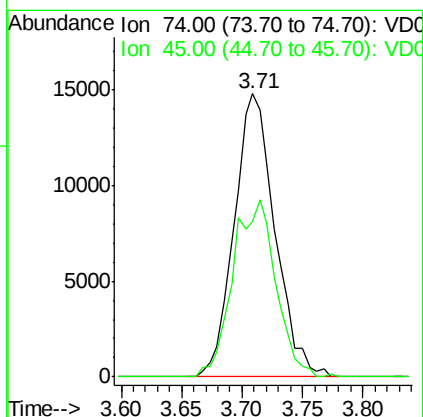
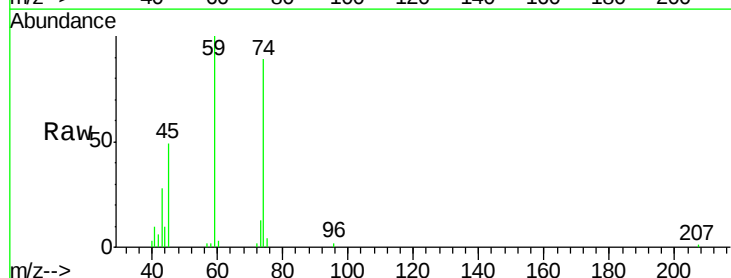
MMDadoda
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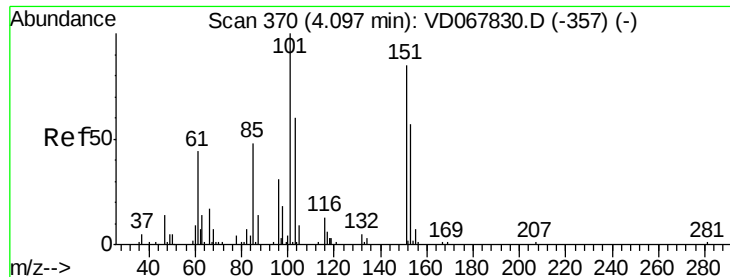


#8

Diethyl Ether
Concen: 46.332 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	34794		
45	65.6	33.9	101.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.704 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

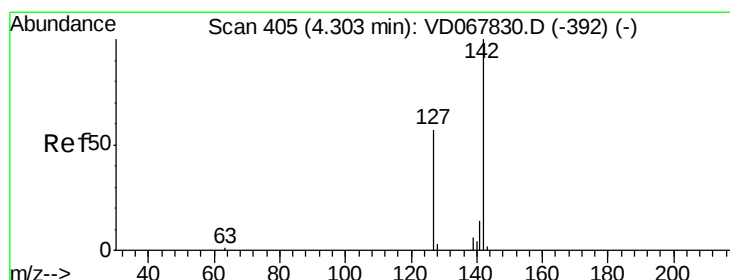
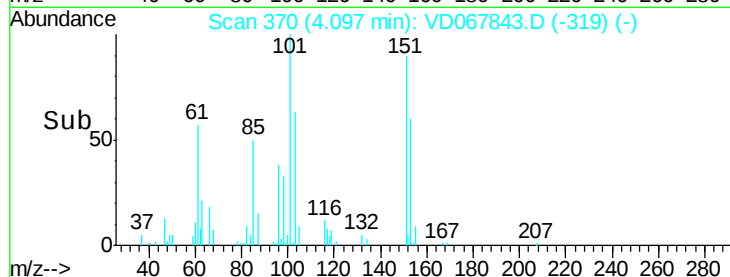
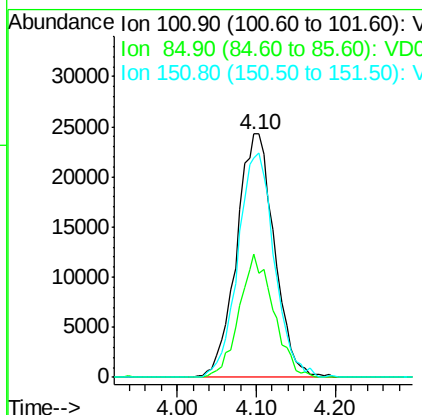
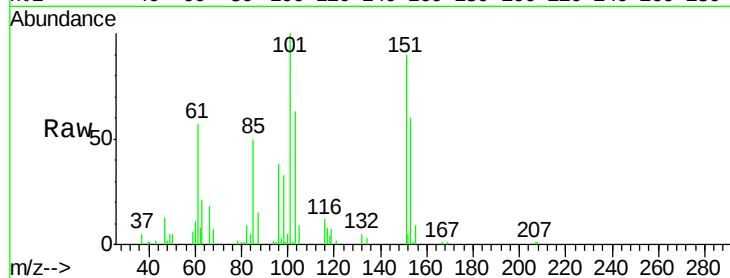
ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion:	101	Resp:	80301
Ion Ratio	Lower	Upper	
101	100		
85	46.0	36.2	54.4
151	88.8	69.4	104.2

Manual Integrations
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MMDadoda
12/3/2020 9:56:58 AM



#10

Methyl Iodide

Concen: 36.712 ug/l

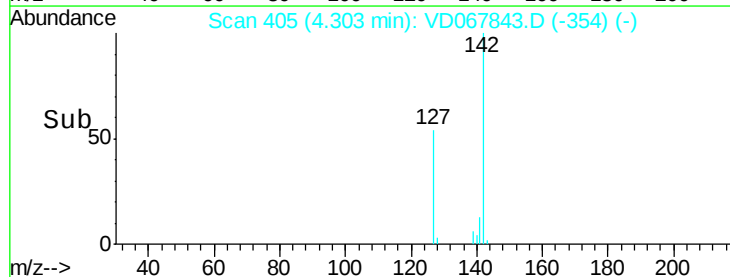
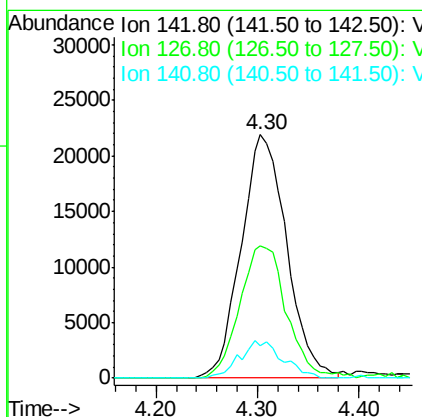
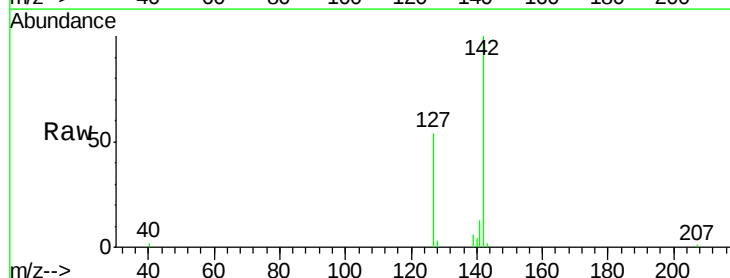
RT: 4.30 min Scan# 405

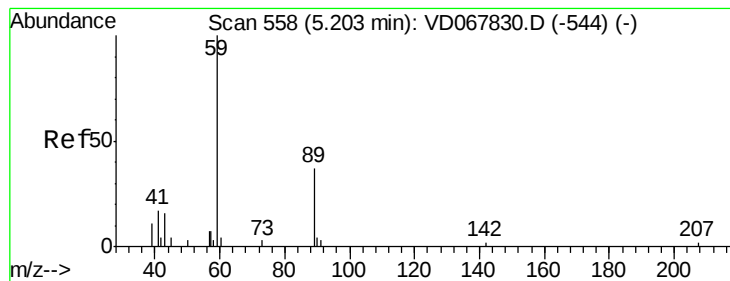
Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Tgt Ion:	142	Resp:	68368
Ion Ratio	Lower	Upper	
142	100		
127	55.9	43.9	65.9
141	14.5	12.2	18.2





#11

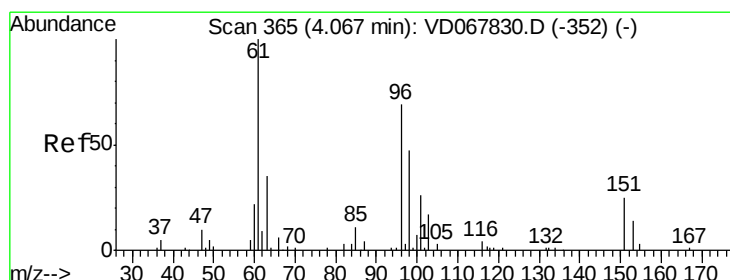
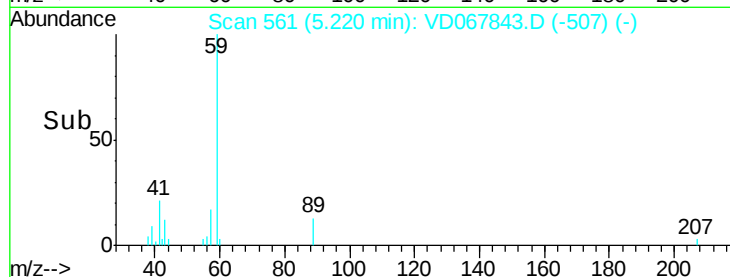
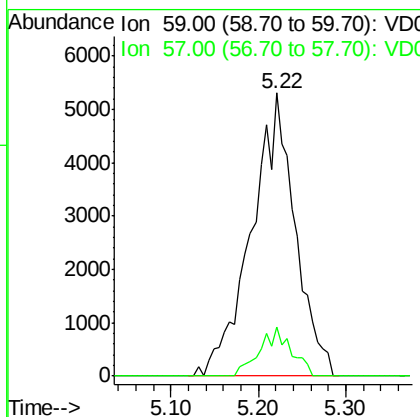
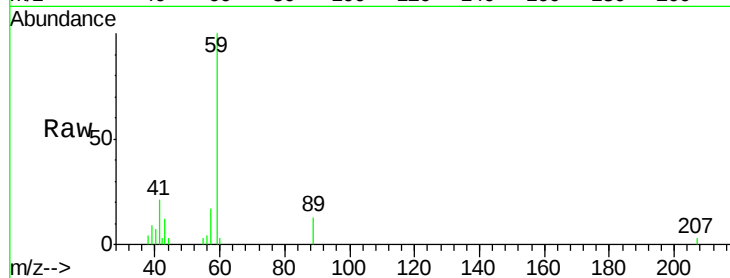
Tert butyl alcohol
Concen: 141.809 ug/l
RT: 5.22 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.3	7.7	11.5#

Manual Integrations
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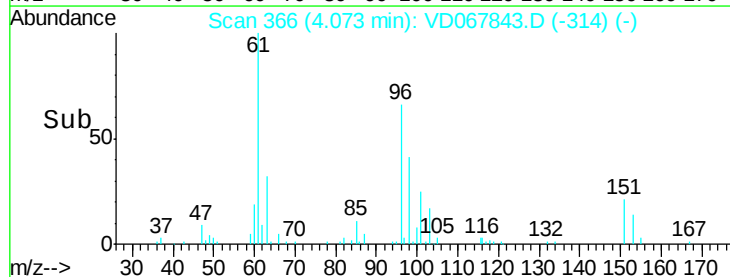
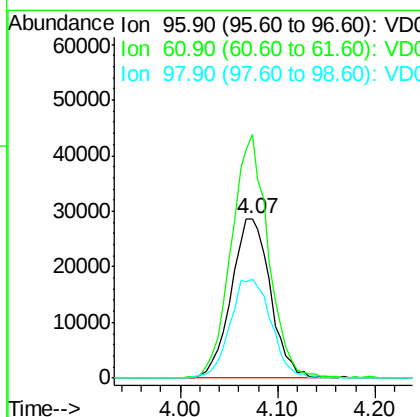
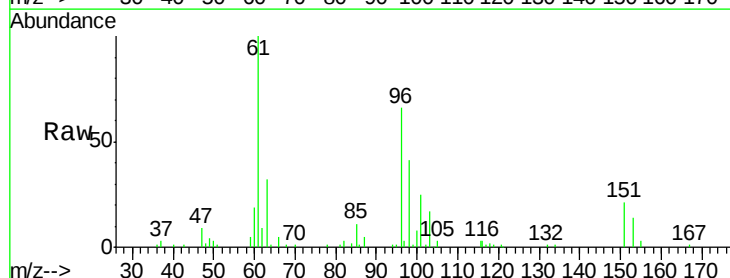
MMDadoda
12/3/2020 9:56:58 AM

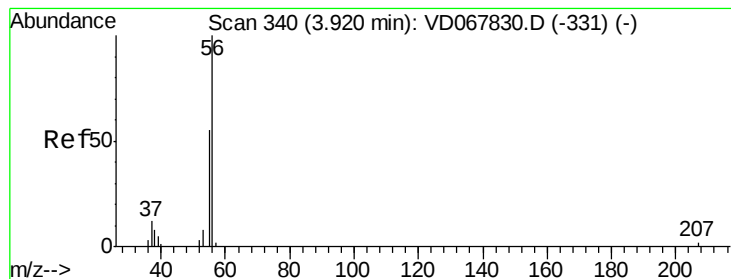


#12

1,1-Dichloroethene
Concen: 48.353 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.5	116.1	174.1
98	62.3	54.6	82.0





#13

Acrolein

Concen: 85.836 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion: 56 Resp: 7049

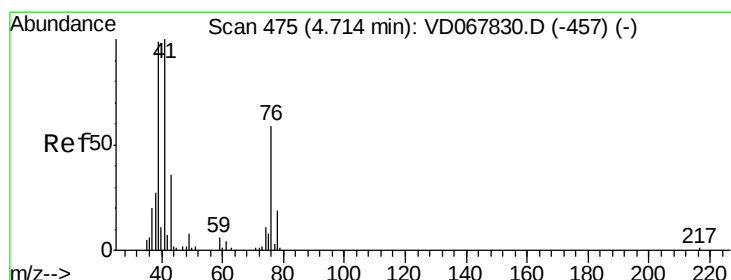
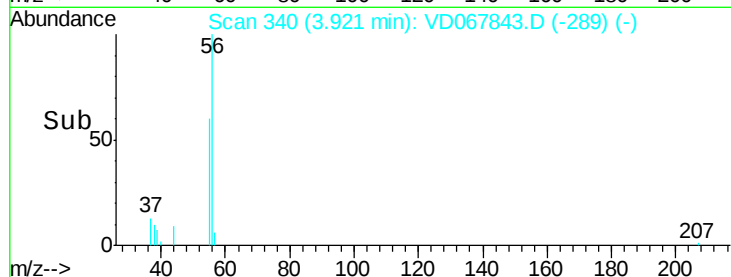
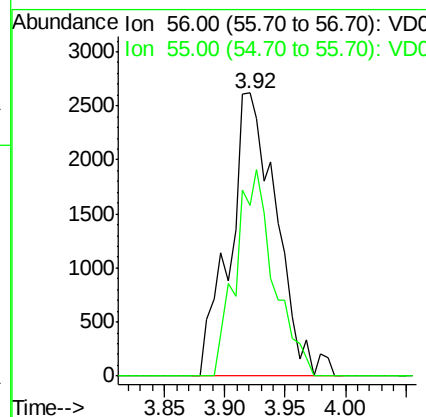
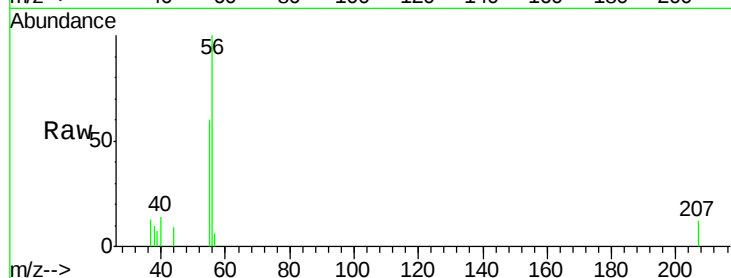
Ion Ratio Lower Upper

56 100

55 59.2 56.5 84.7

Manual Integrations
APPROVED

MMDadoda
12/3/2020 9:56:58 AM



#14

Allyl chloride

Concen: 49.835 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

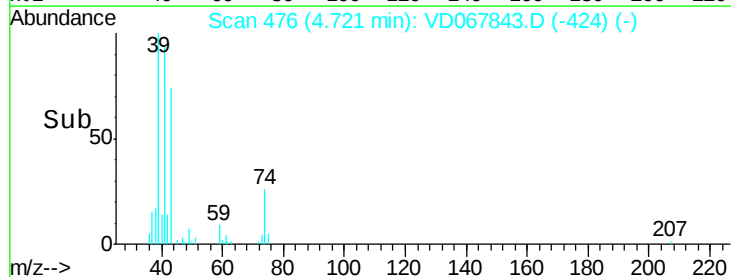
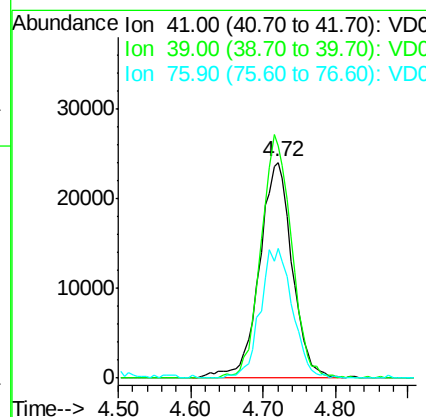
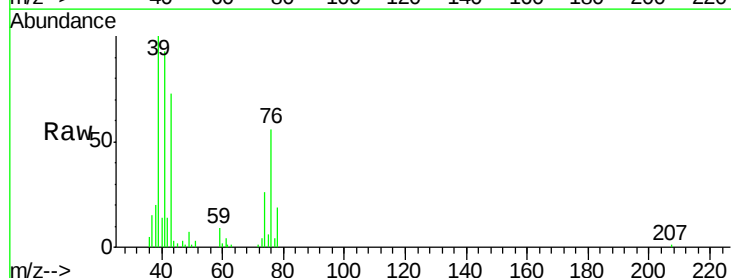
Tgt Ion: 41 Resp: 76047

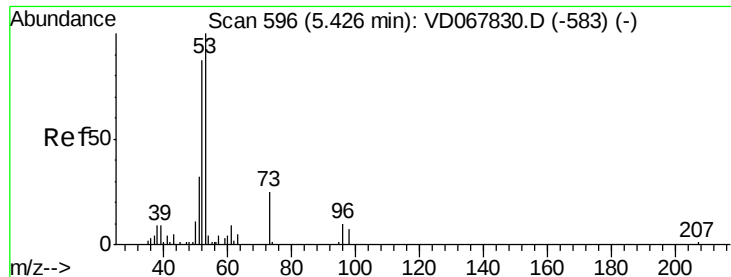
Ion Ratio Lower Upper

41 100

39 105.1 79.0 118.6

76 58.6 46.6 70.0





#15

Acrylonitrile

Concen: 192.794 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

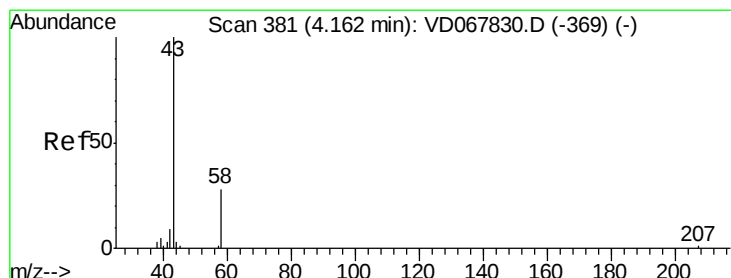
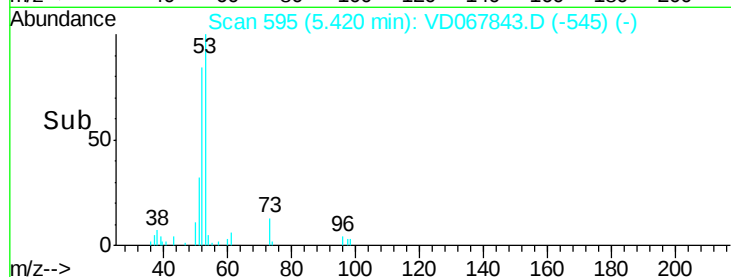
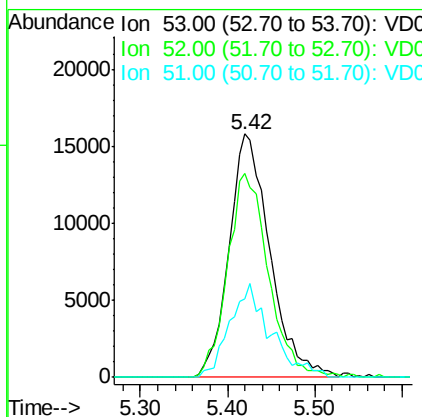
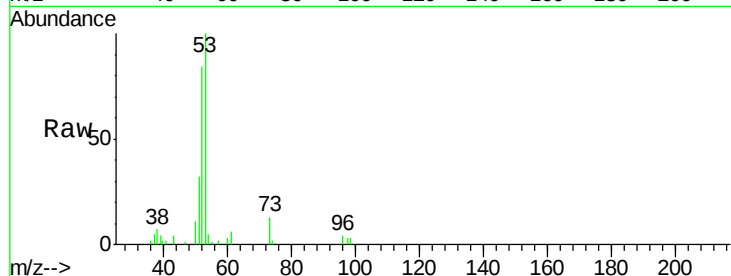
ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion:	53	Resp:	50203
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.2	99.2
51	38.7	31.1	46.7

Manual Integrations
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MMDadoda
12/3/2020 9:56:58 AM



#16

Acetone

Concen: 164.352 ug/l

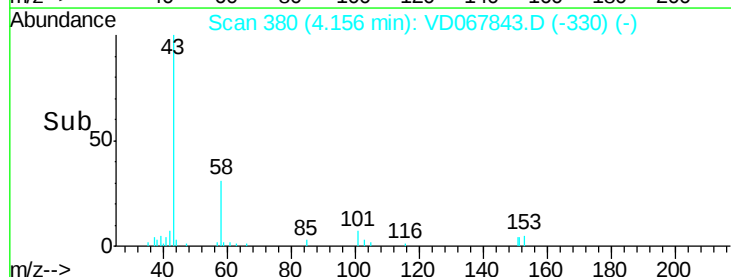
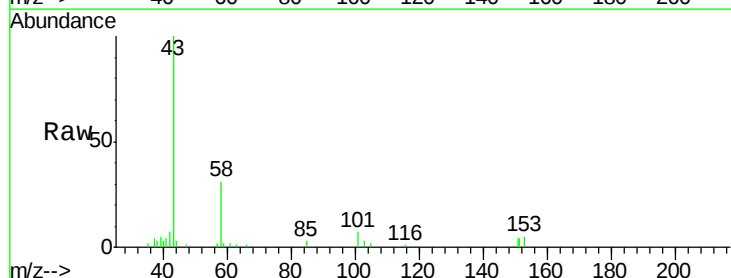
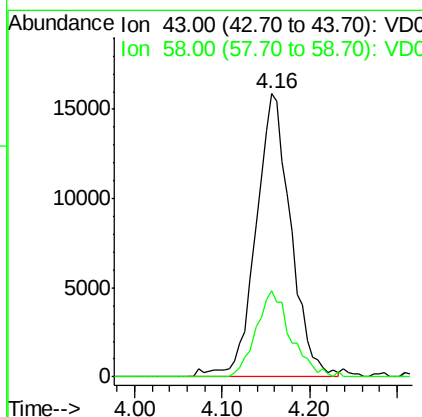
RT: 4.16 min Scan# 380

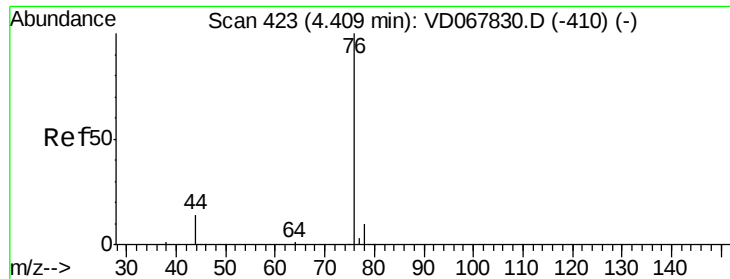
Delta R.T. -0.01 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Tgt Ion:	43	Resp:	43400
Ion Ratio	Lower	Upper	
43	100		
58	30.5	21.9	32.9





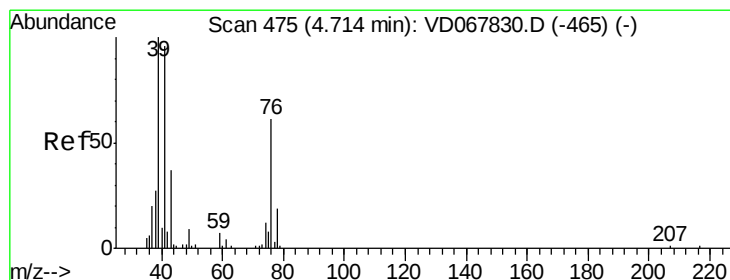
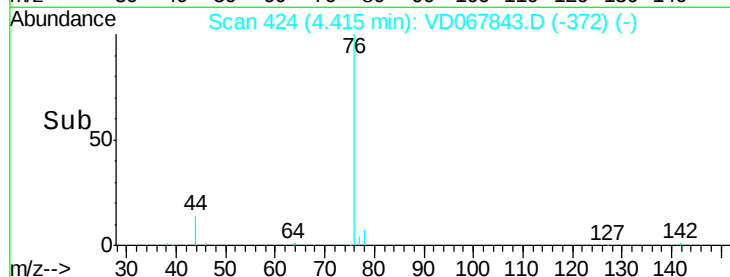
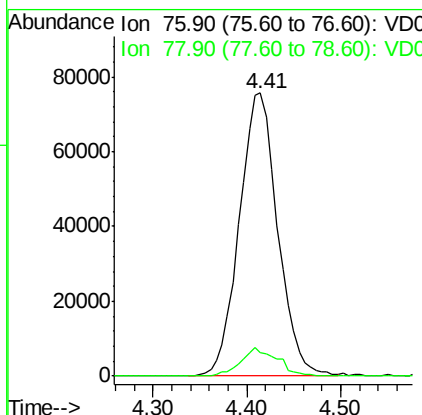
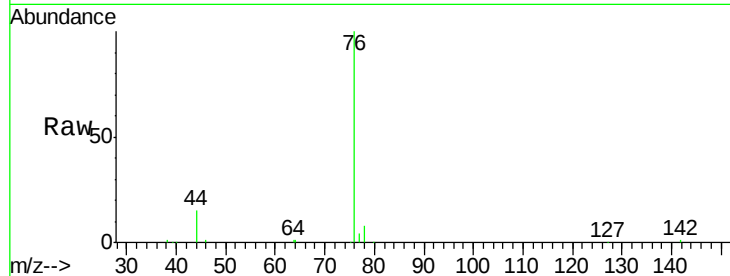
#17
Carbon Disulfide
Concen: 46.493 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.8	11.6

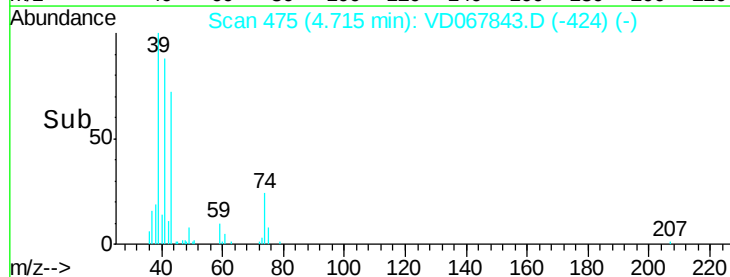
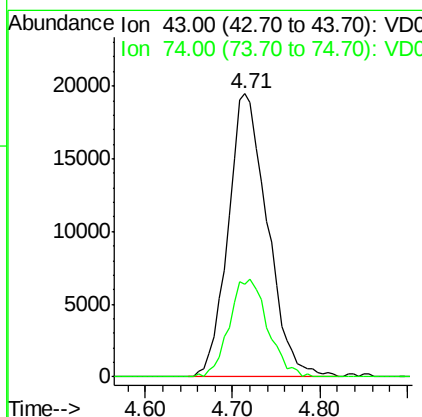
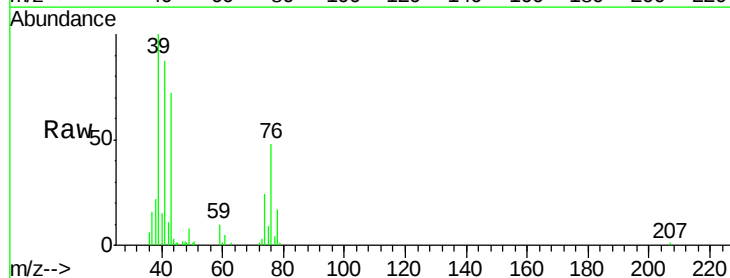
Manual Integrations
APPROVED

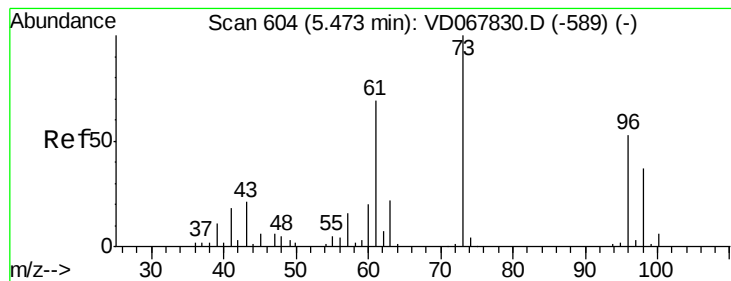
MMDadoda
12/3/2020 9:56:58 AM



#18
Methyl Acetate
Concen: 121.115 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	33.7	27.0	40.4





#19

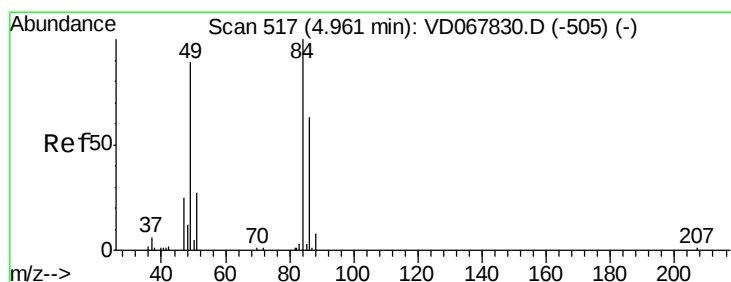
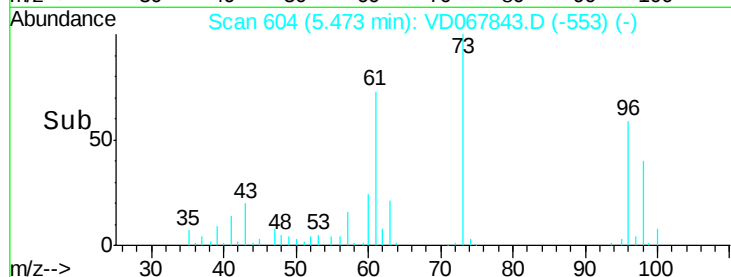
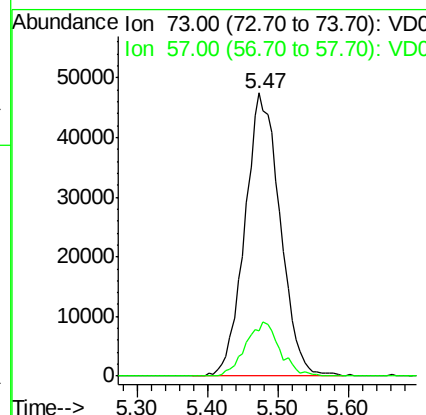
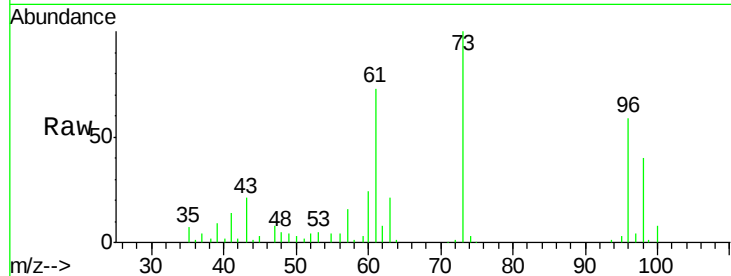
Methyl tert-butyl Ether
 Concen: 46.658 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MSD

Tot Ion	73	Resp	164800
Ion Ratio	100	Lower	Upper
57	16.0	13.2	19.8

Manual Integrations
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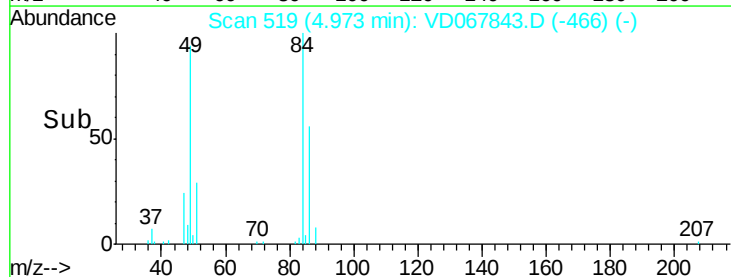
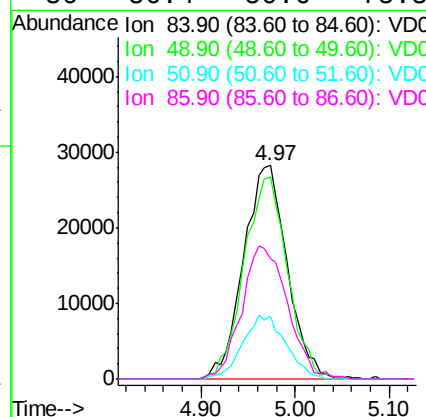
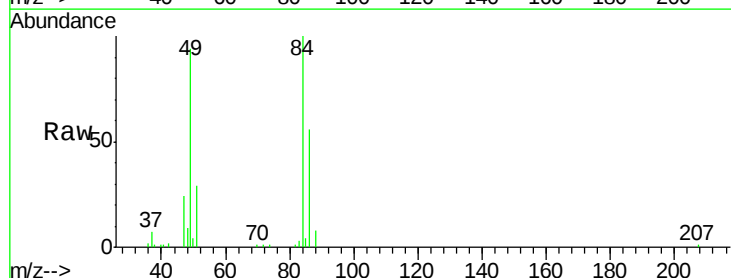
MMDadoda
 12/3/2020 9:56:58 AM

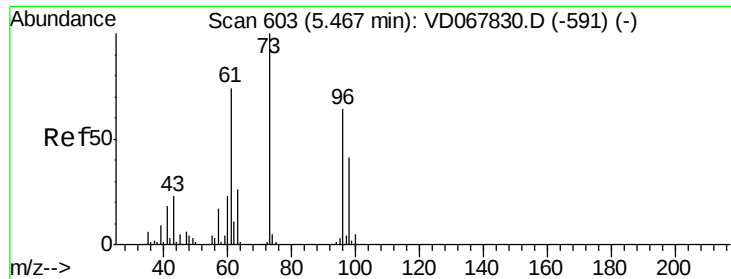


#20

Methylene Chloride
 Concen: 53.285 ug/l
 RT: 4.97 min Scan# 519
 Delta R.T. 0.01 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Tgt Ion	84	Resp	90685
Ion Ratio	100	Lower	Upper
49	94.5	71.4	107.0
51	29.2	21.8	32.8
86	56.4	50.6	75.8





#21

trans-1,2-Dichloroethene

Concen: 48.434 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

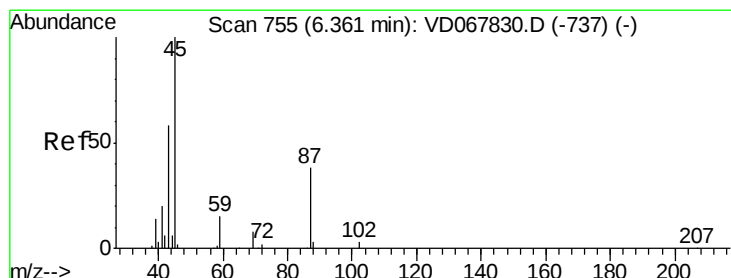
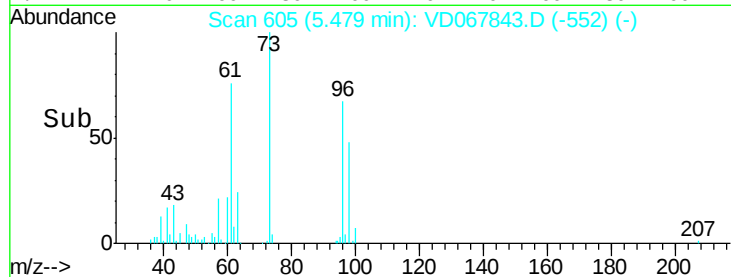
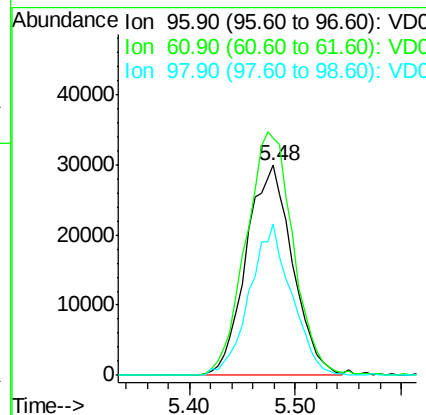
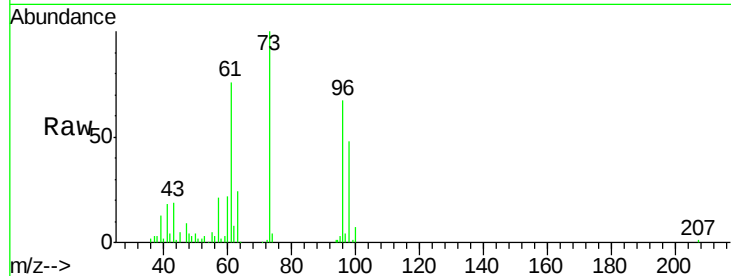
ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion:	96	Resp:	90911
Ion	Ratio	Lower	Upper
96	100		
61	112.7	93.1	139.7
98	71.9	52.2	78.2

Manual Integrations
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MMDadoda
12/3/2020 9:56:58 AM



#22

Diisopropyl ether

Concen: 49.196 ug/l

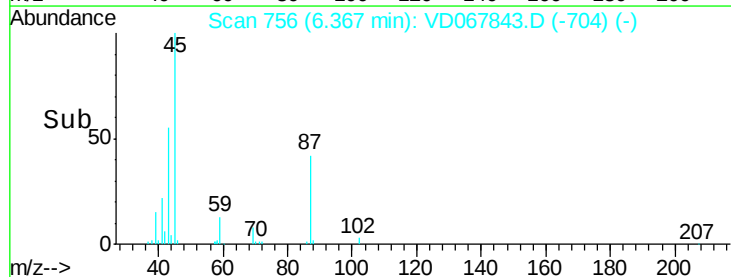
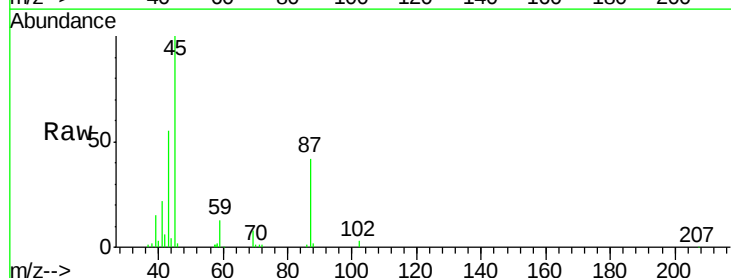
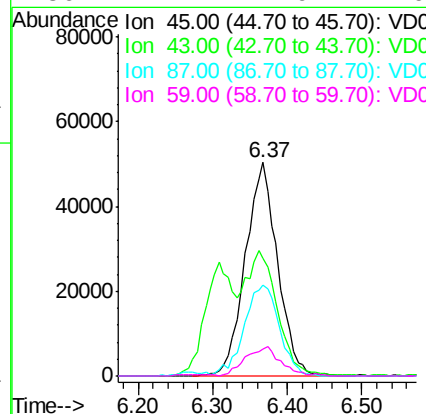
RT: 6.37 min Scan# 756

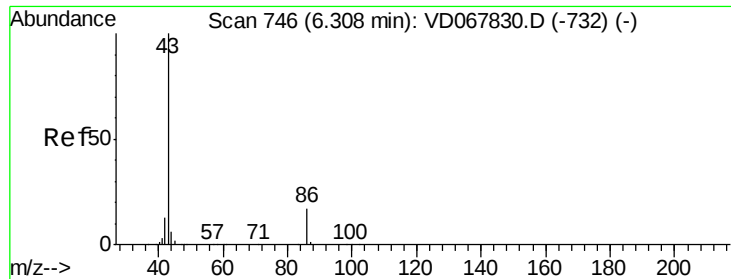
Delta R.T. 0.01 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Tgt Ion:	45	Resp:	150990
Ion	Ratio	Lower	Upper
45	100		
43	54.5	49.8	74.6
87	42.5	32.1	48.1
59	12.7	11.9	17.9





#23

Vinyl Acetate

Concen: 94.341 ug/l m

RT: 6.36 min Scan# 755

Delta R.T. 0.05 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion: 43 Resp: 161078

Ion Ratio Lower Upper

43 100

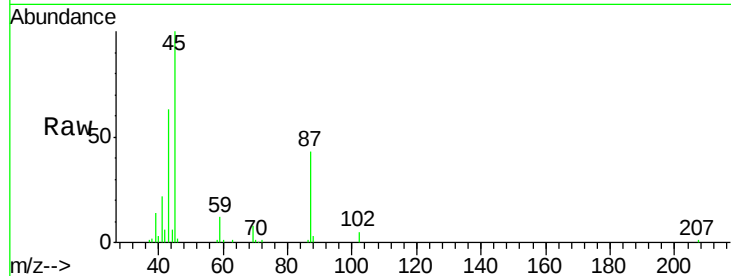
86 1.7 13.8 20.6#

Manual Integrations

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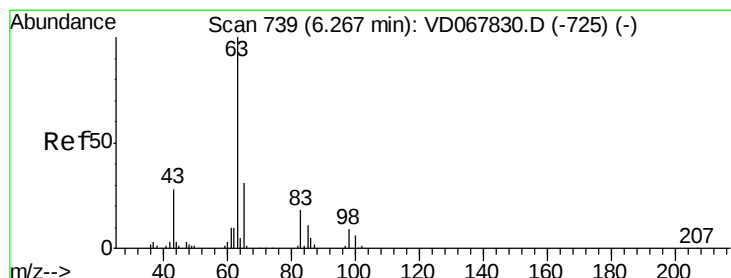
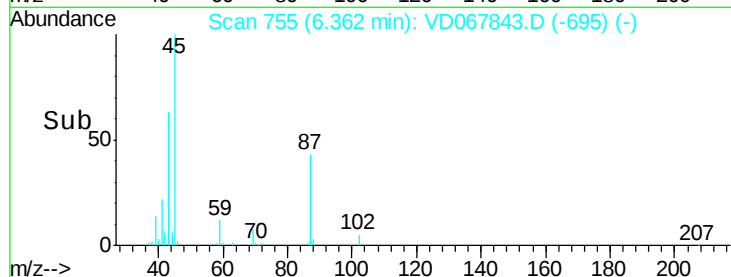
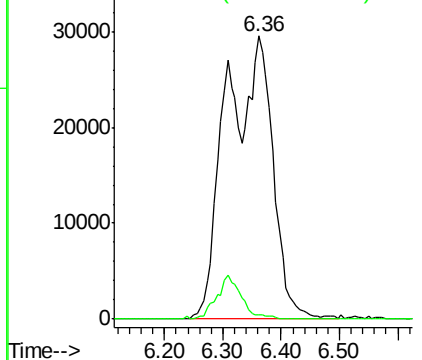
MMDadoda

12/3/2020 9:56:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.064 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

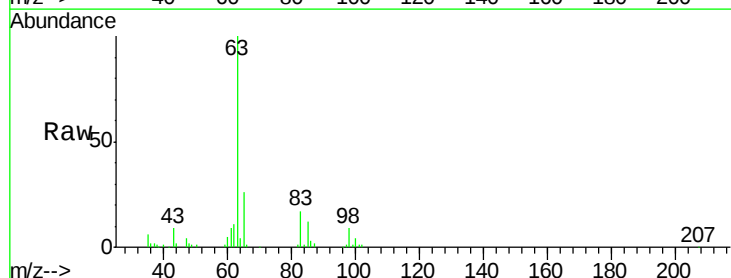
Tgt Ion: 63 Resp: 134692

Ion Ratio Lower Upper

63 100

98 9.0 4.5 13.5

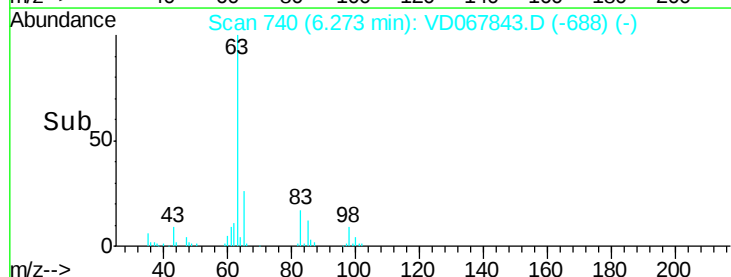
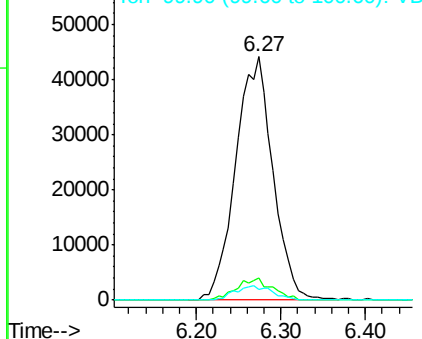
100 4.4 3.0 9.2

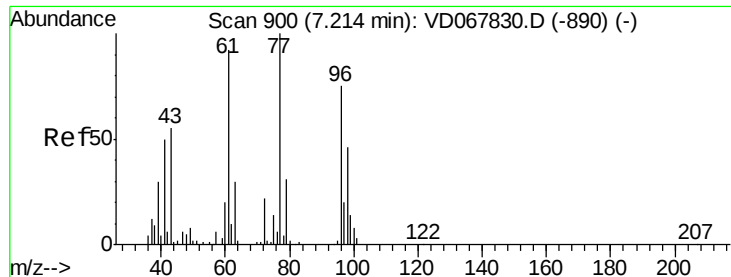


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 191.000 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion: 43 Resp: 53050

Ion Ratio Lower Upper

43 100

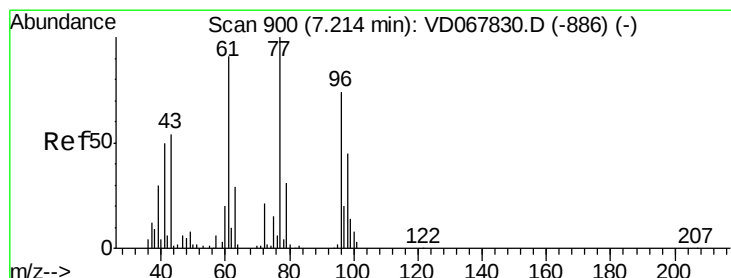
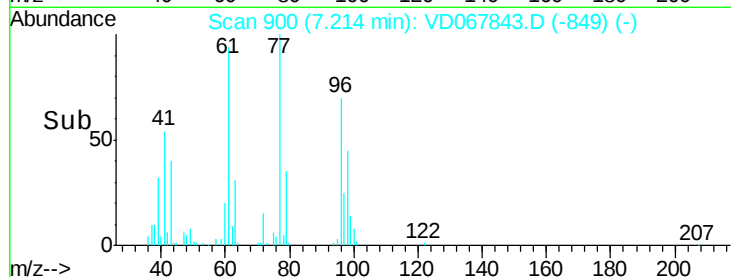
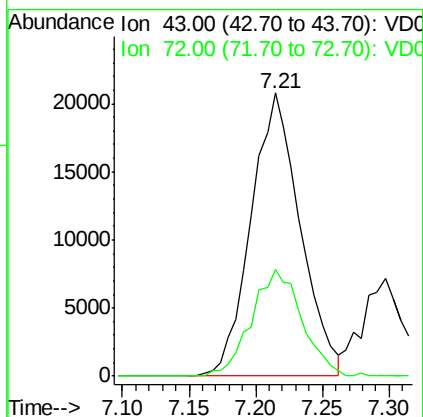
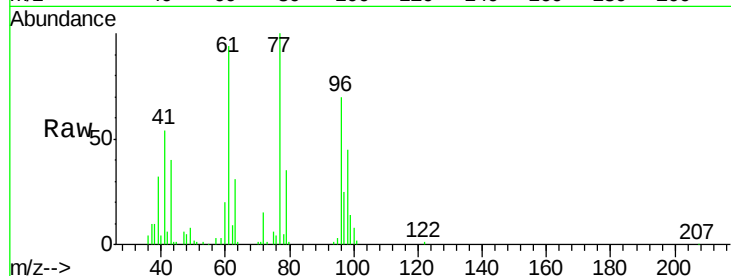
72 37.9 31.3 46.9

Manual Integrations

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12/3/2020 9:56:58 AM



#26

2,2-Dichloropropane

Concen: 48.395 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067843.D

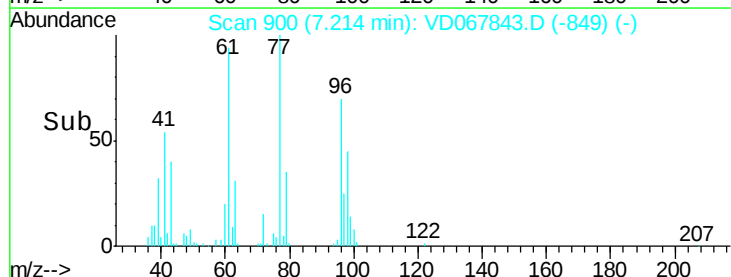
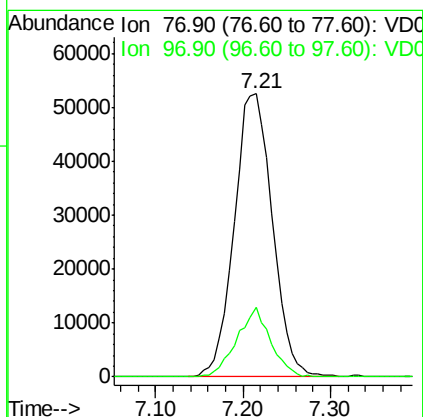
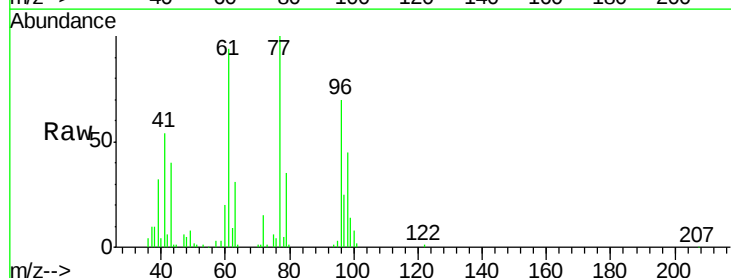
Acq: 02 Dec 2020 18:41

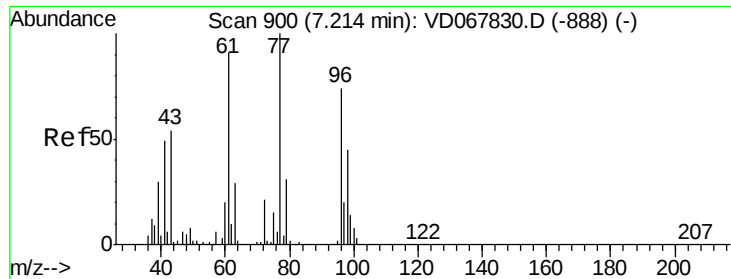
Tgt Ion: 77 Resp: 155262

Ion Ratio Lower Upper

77 100

97 21.6 11.1 33.1





#27

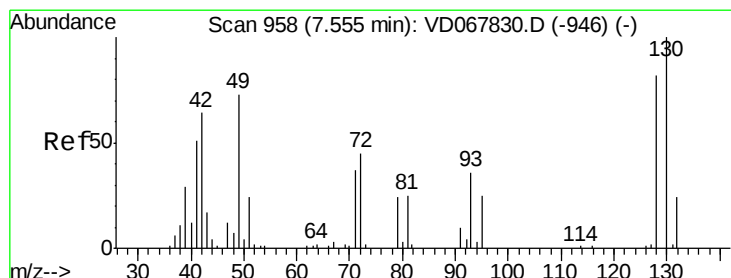
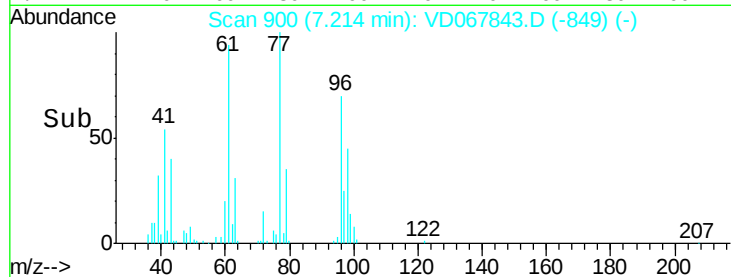
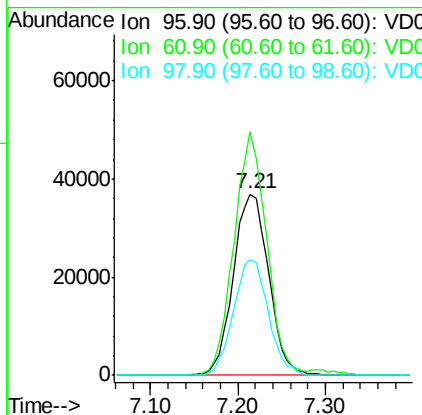
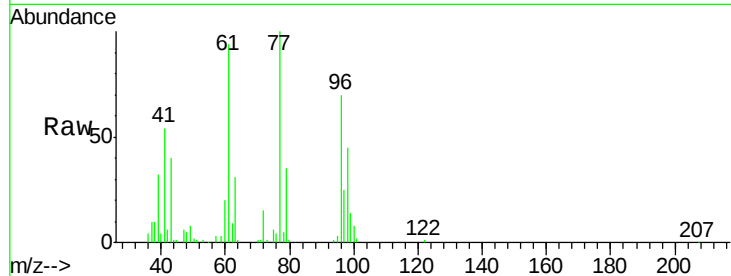
cis-1,2-Dichloroethene
 Concen: 49.164 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	124.5	0.0	248.4	
98	62.7	0.0	127.4	

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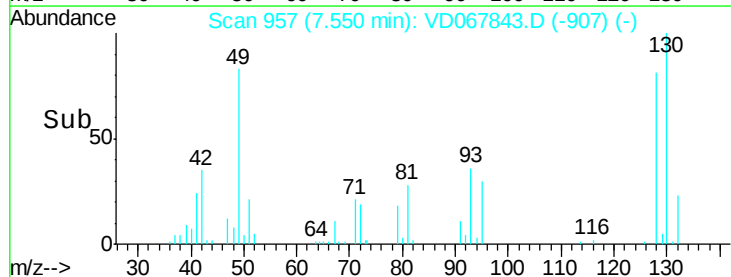
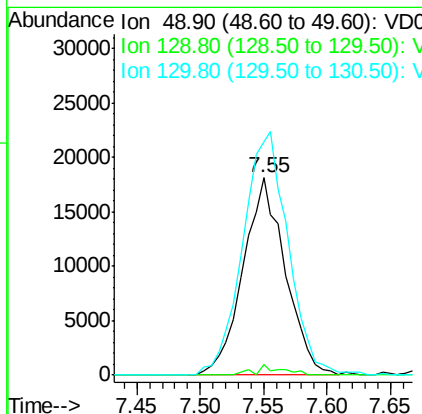
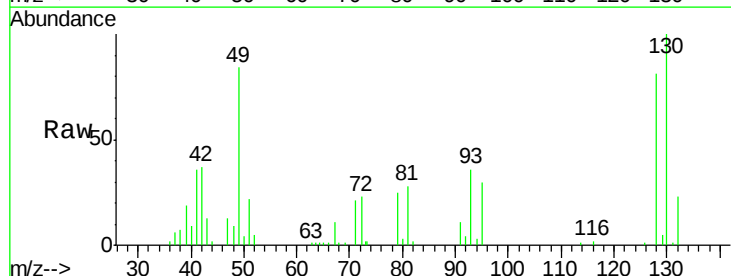
MMDadoda
 12/3/2020 9:56:58 AM

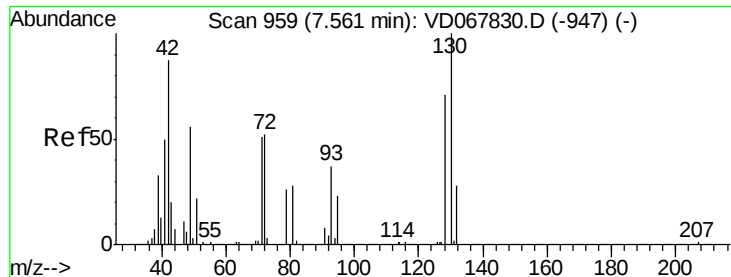


#28

Bromochloromethane
 Concen: 49.067 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.1	0.0	3.4	
130	132.9	110.2	165.2	





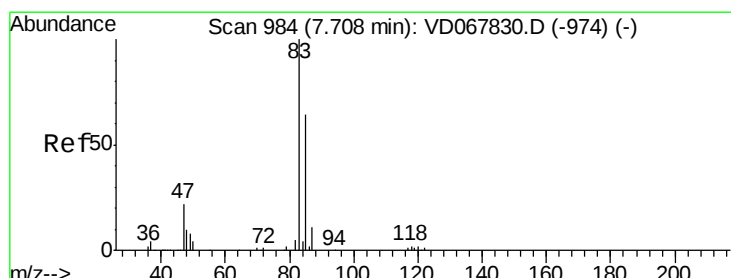
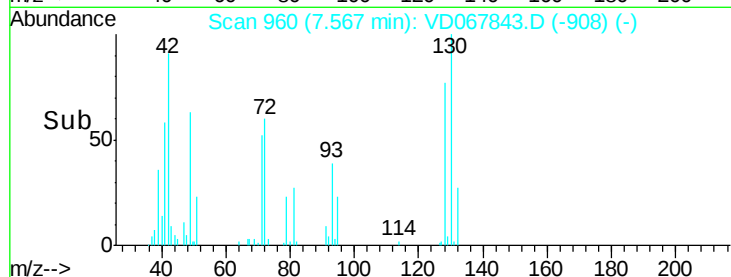
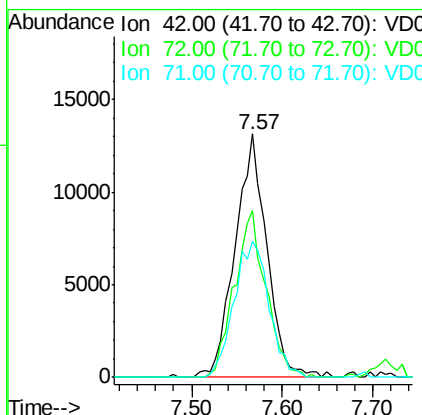
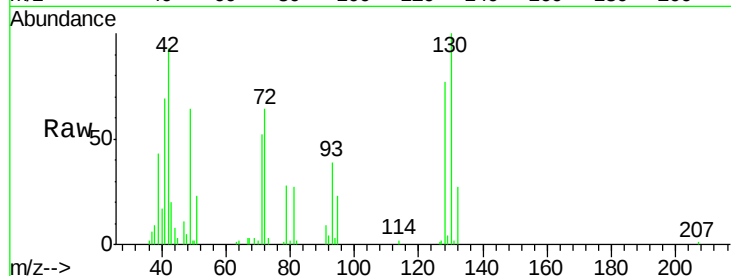
#29
Tetrahydrofuran
Concen: 202.326 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	68.1	51.9	77.9
71	61.4	48.2	72.4

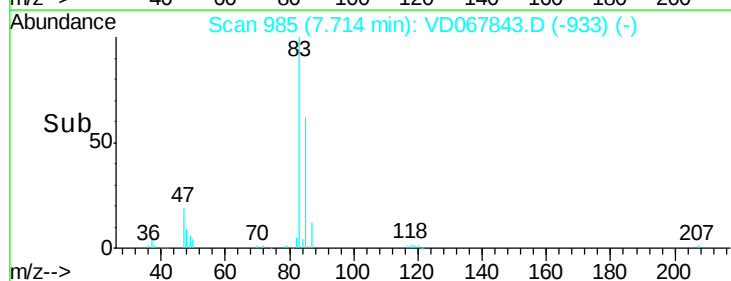
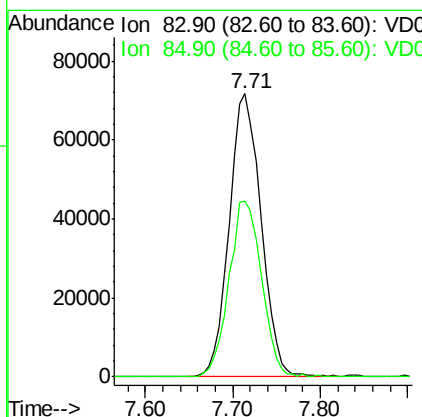
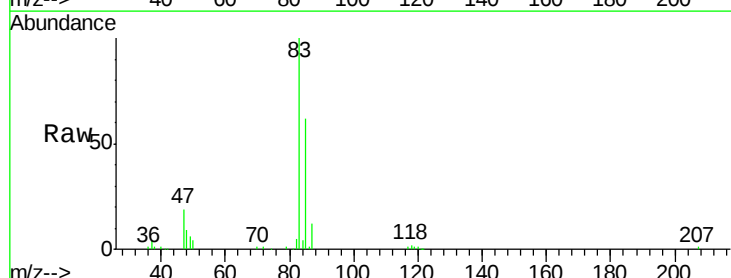
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APPROVED

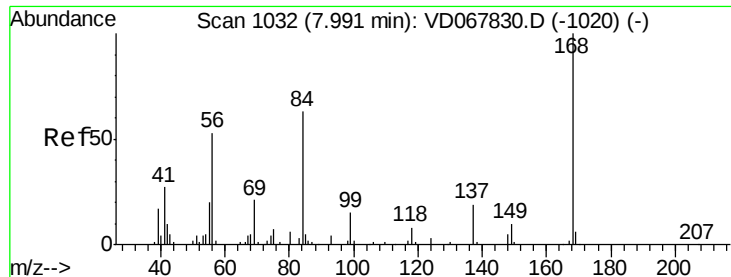
MMDadoda
12/3/2020 9:56:58 AM



#30
Chloroform
Concen: 49.431 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.0	76.4





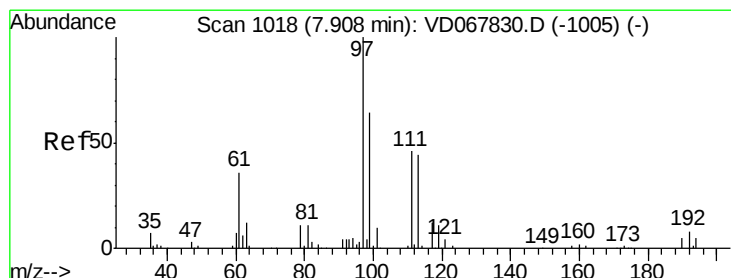
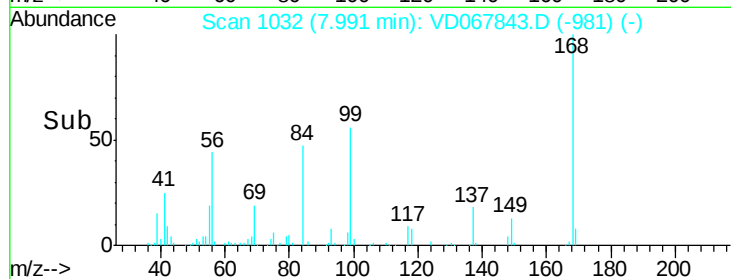
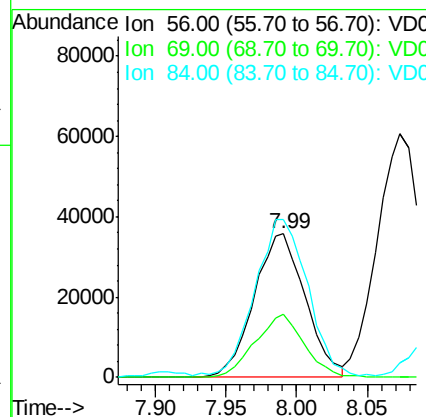
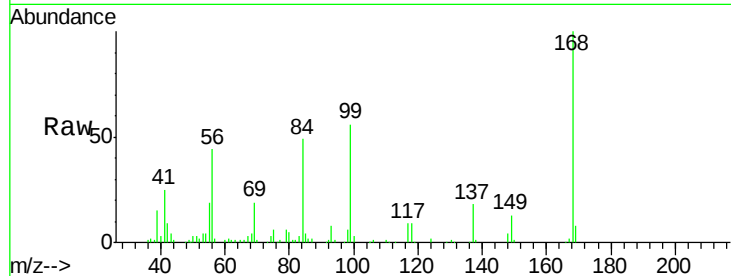
#31
Cyclohexane
Concen: 40.486 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.5	32.1	48.1
84	109.1	93.2	139.8

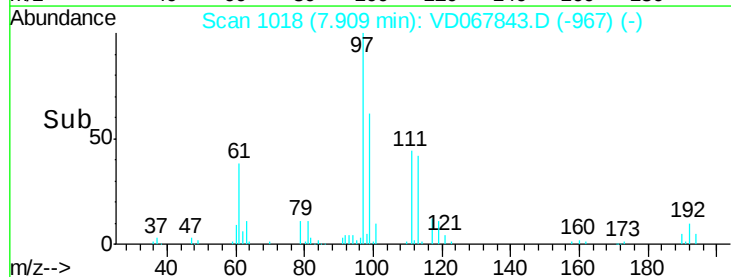
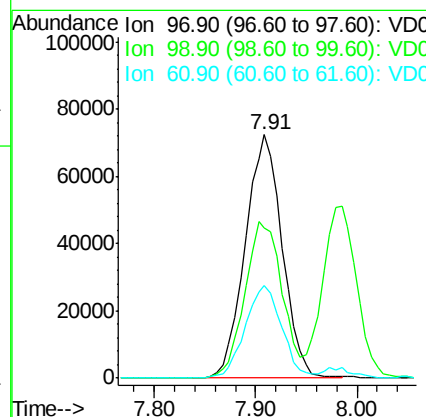
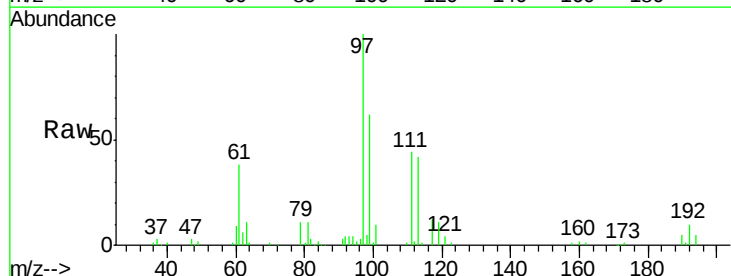
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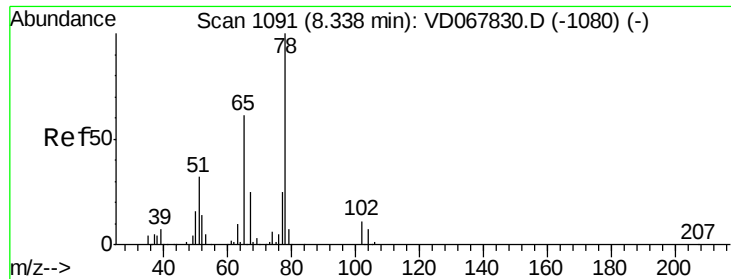
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#32
1,1,1-Trichloroethane
Concen: 48.318 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	37.7	30.8	46.2





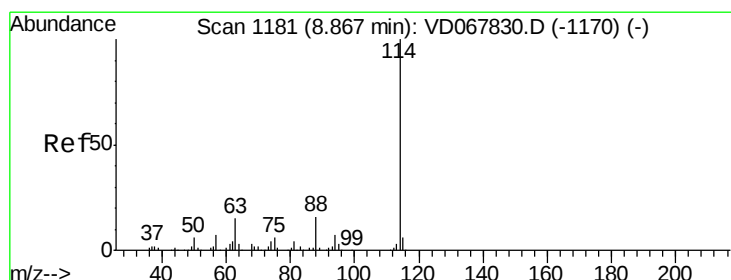
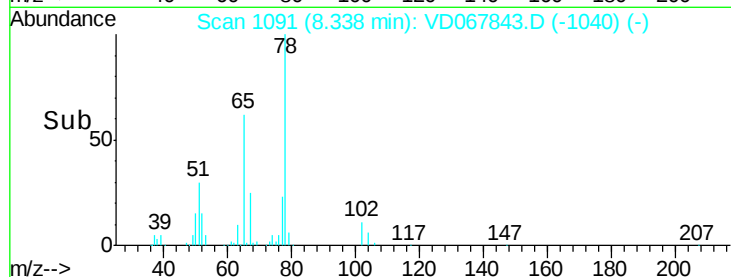
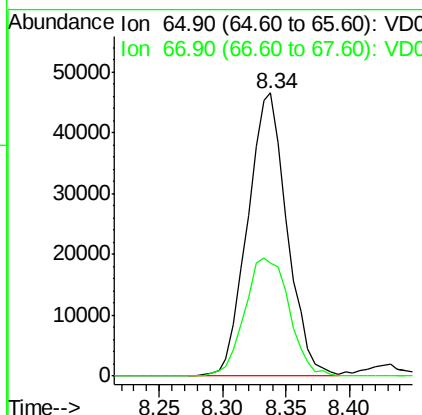
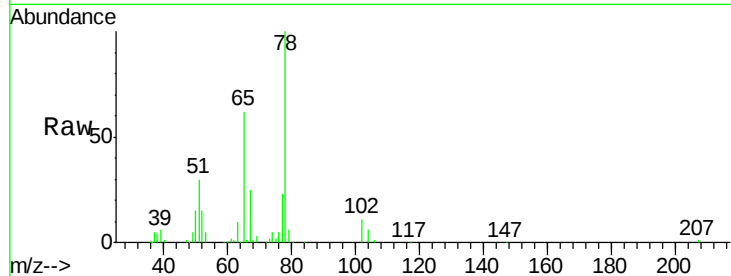
#33
 1,2-Dichloroethane-d4
 Concen: 47.217 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	46.9	0.0	92.0	

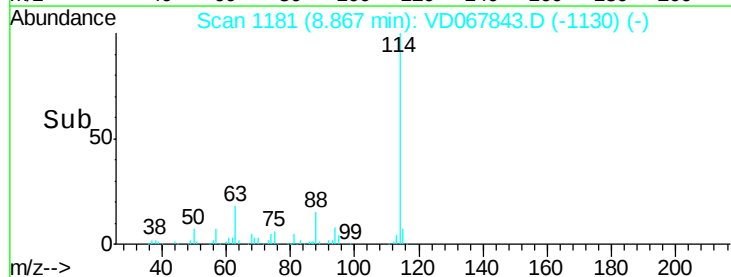
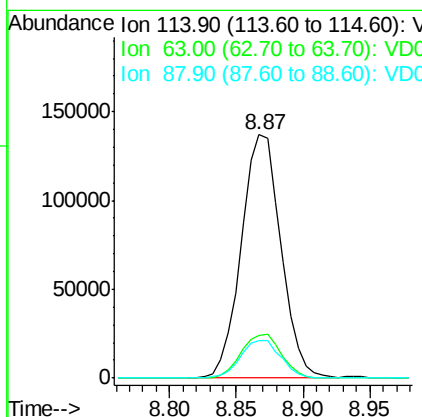
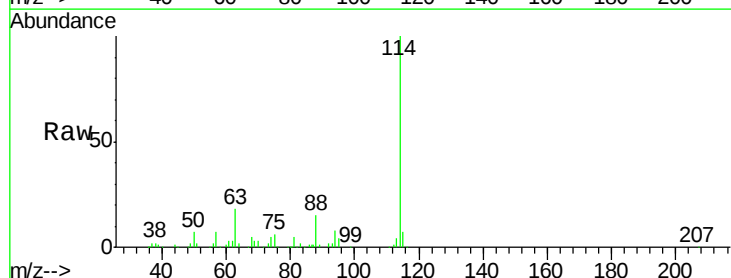
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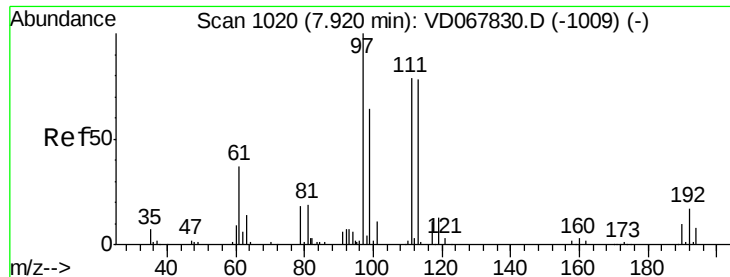
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 12/3/2020 9:56:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.6	0.0	30.8	
88	15.5	0.0	31.8	





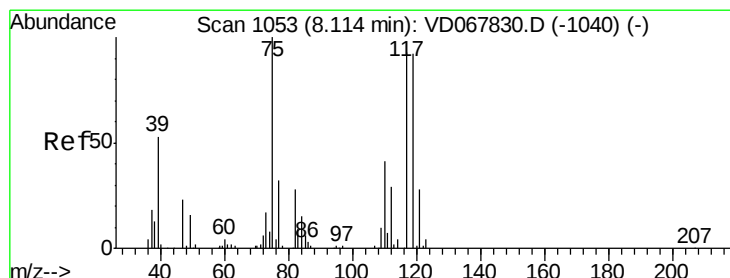
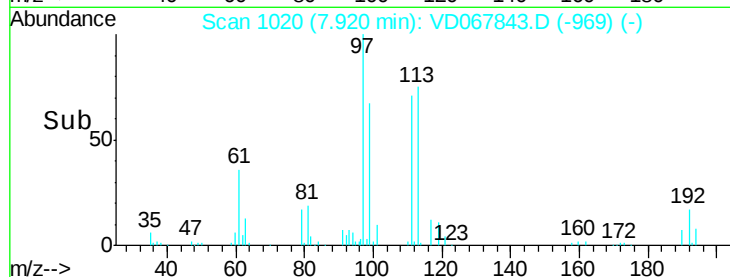
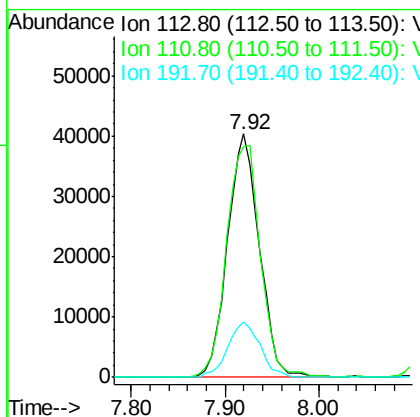
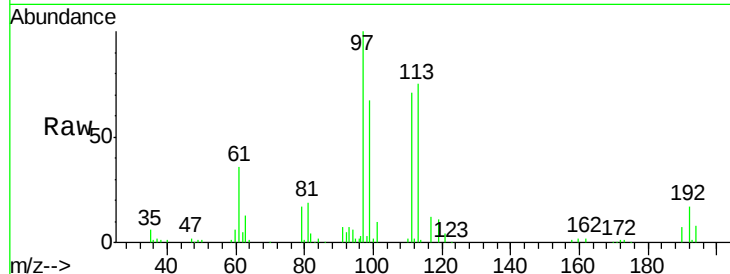
#35
 Dibromofluoromethane
 Concen: 50.147 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.2	121.8
192	23.0	16.8	25.2

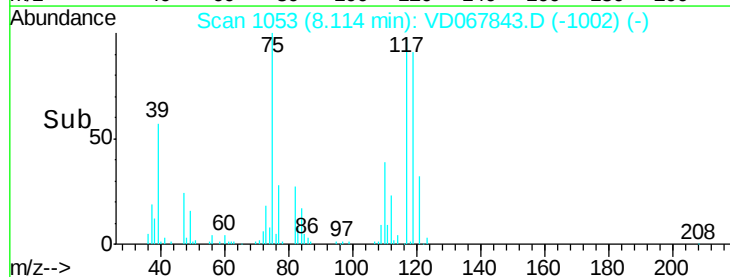
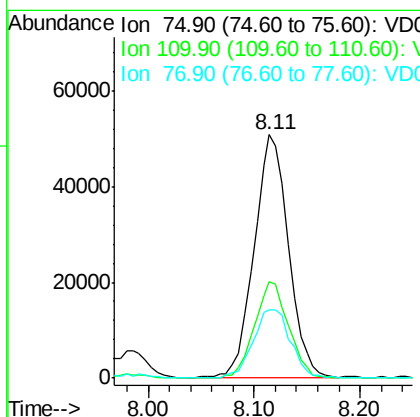
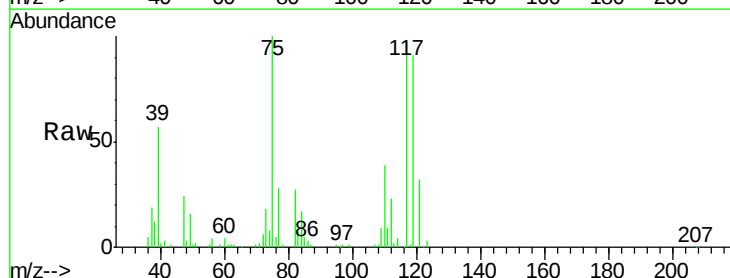
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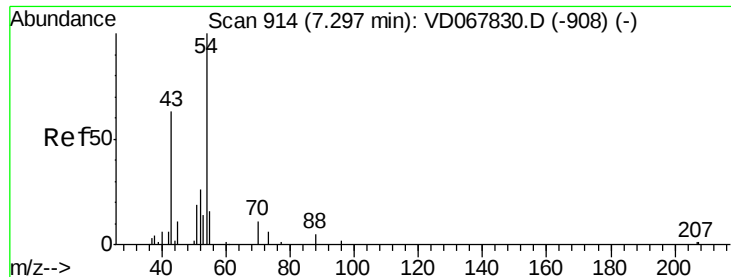
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#36
 1,1-Dichloropropene
 Concen: 47.295 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	20.3	61.0
77	30.6	24.7	37.1





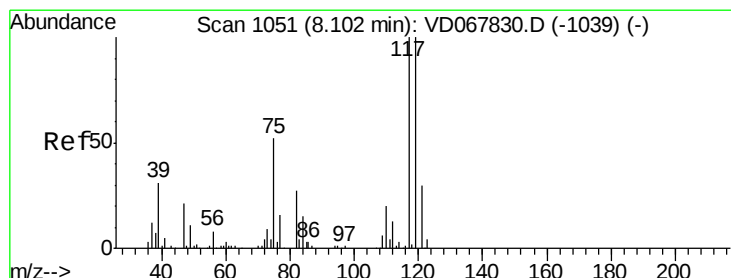
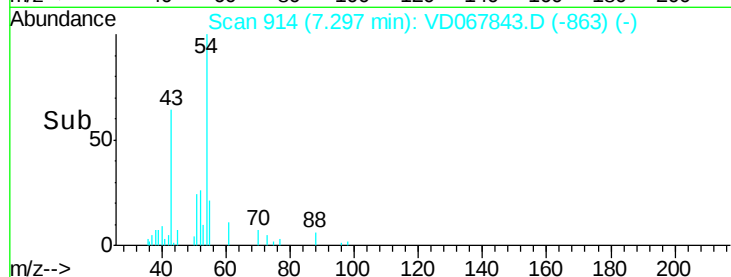
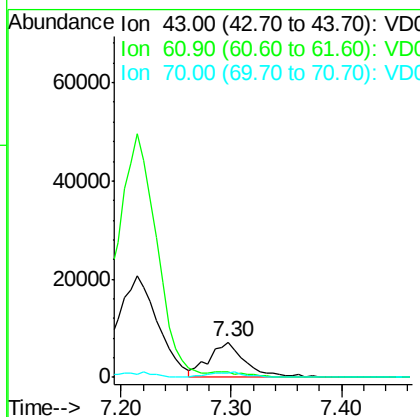
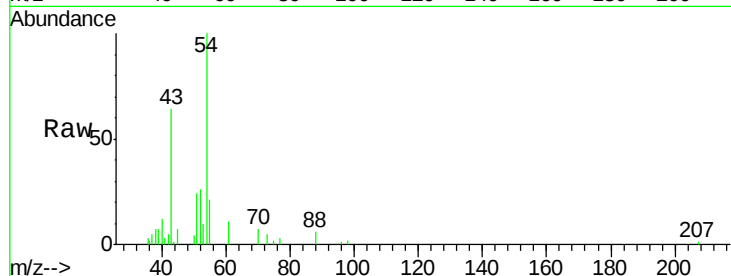
#37
Ethyl Acetate
Concen: 25.552 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
43	100	16810		
61	0.0	11.4	17.2#	
70	14.1	11.5	17.3	

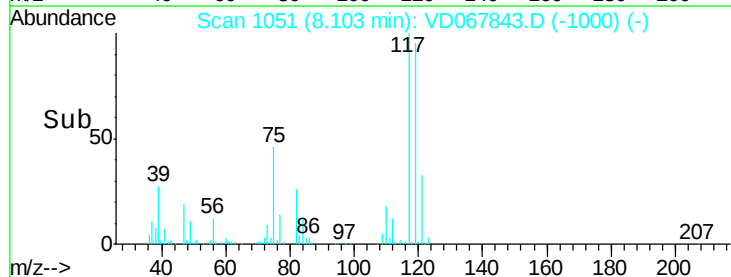
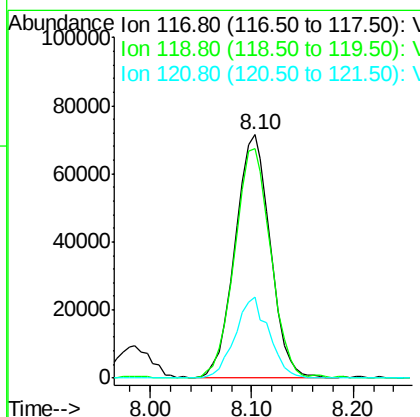
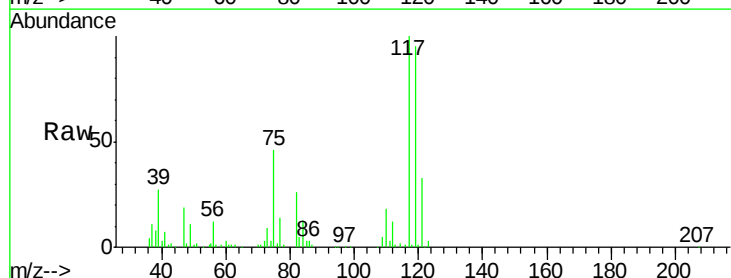
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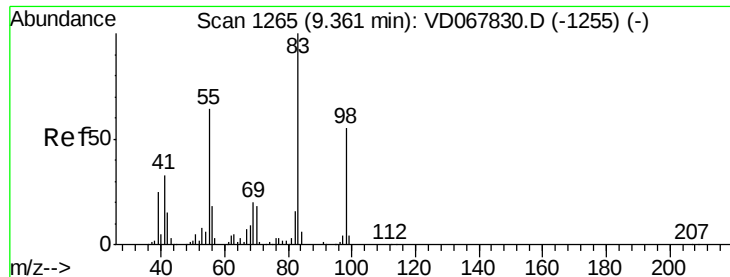
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12/3/2020 9:56:58 AM



#38
Carbon Tetrachloride
Concen: 46.685 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	172419		
119	94.5	79.7	119.5	
121	33.3	23.8	35.6	





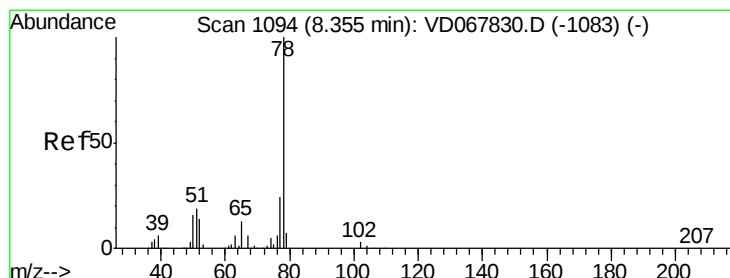
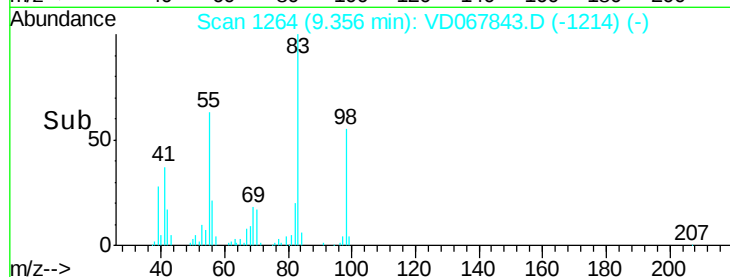
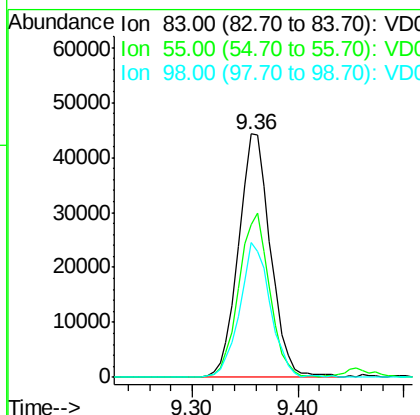
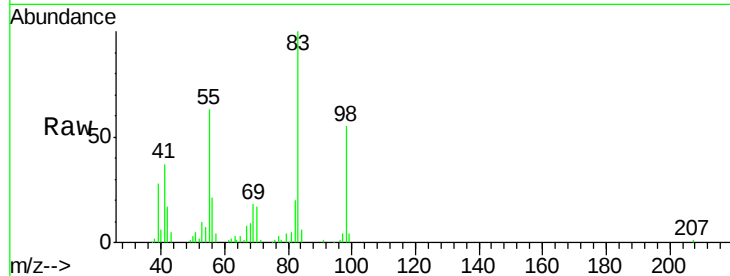
#39
Methvlcvclohexane
Concen: 32.184 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.6	51.6	77.4
98	55.5	44.3	66.5

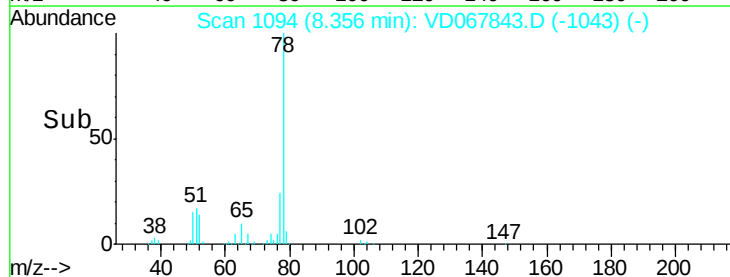
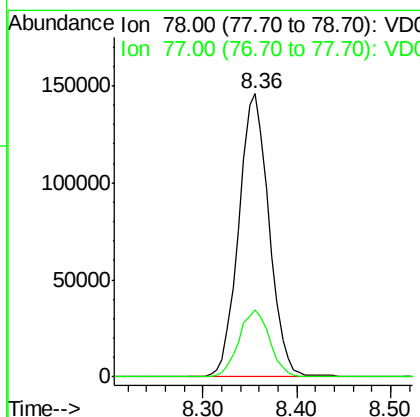
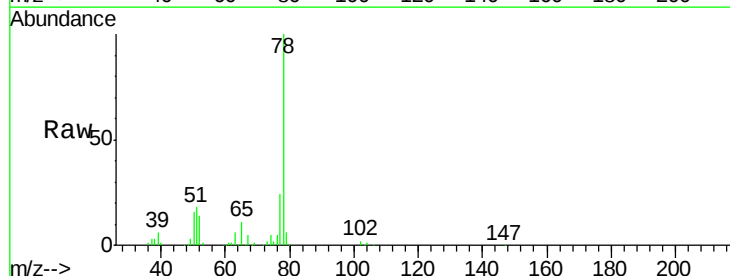
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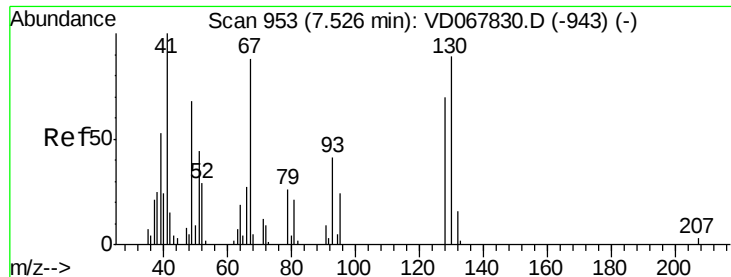
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12/3/2020 9:56:58 AM



#40
Benzene
Concen: 48.746 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7





#41

Methacrylonitrile

Concen: 43.827 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion: 41 Resp: 13865

Ion Ratio Lower Upper

41 100

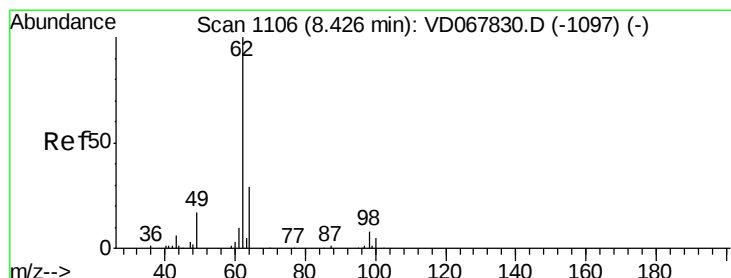
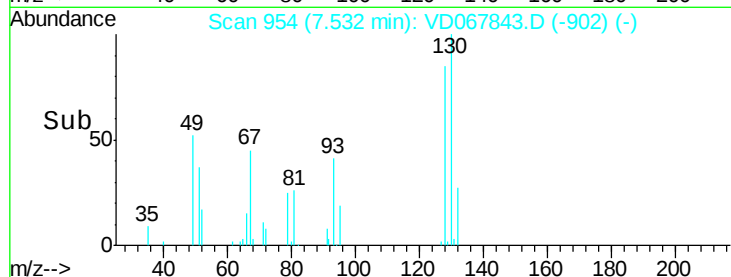
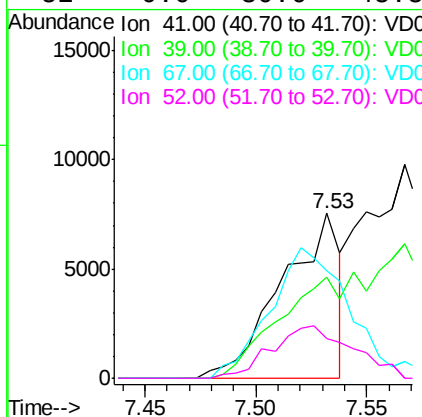
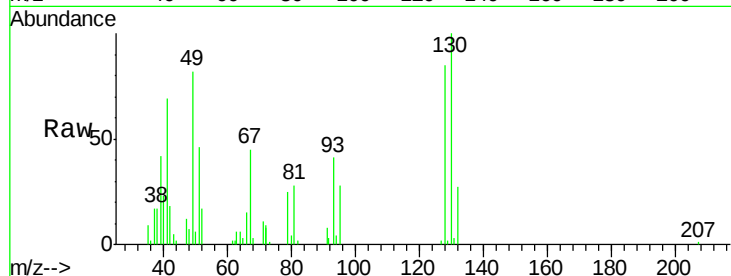
39 81.1 42.1 63.1#

67 0.0 82.4 123.6#

52 0.0 30.6 45.8#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 46.070 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067843.D

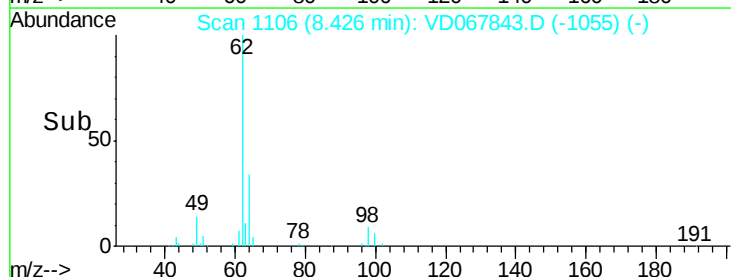
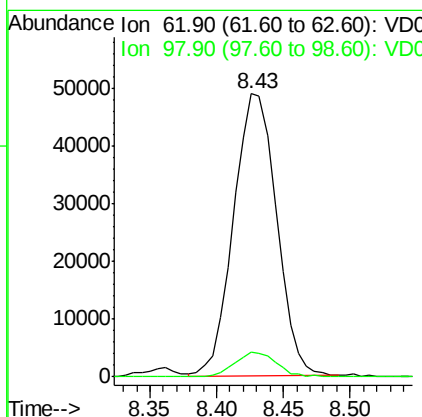
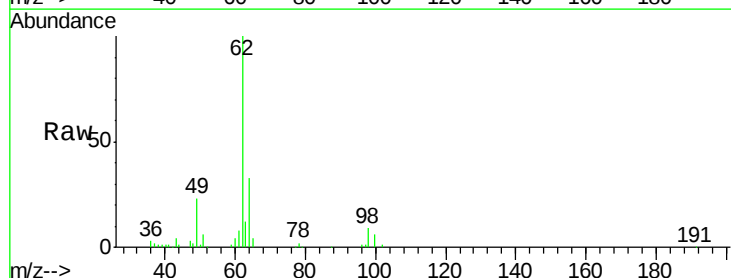
Acq: 02 Dec 2020 18:41

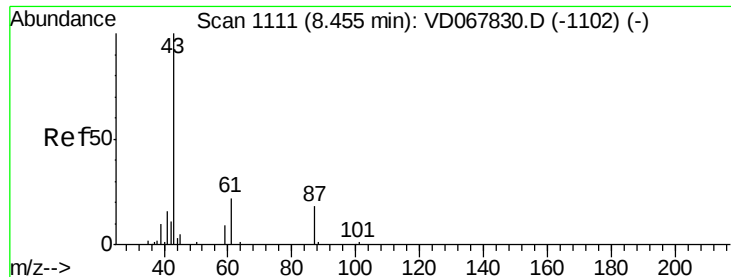
Tgt Ion: 62 Resp: 109670

Ion Ratio Lower Upper

62 100

98 8.6 0.0 17.2





#43

Isopropyl Acetate

Concen: 29.718 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

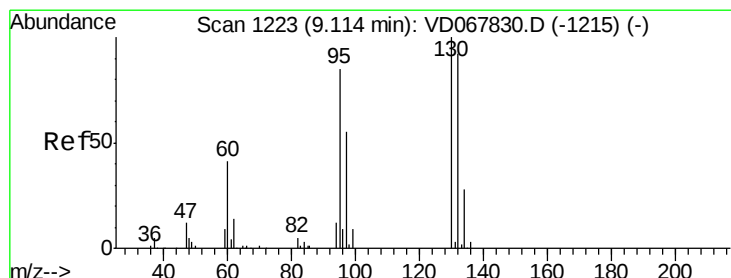
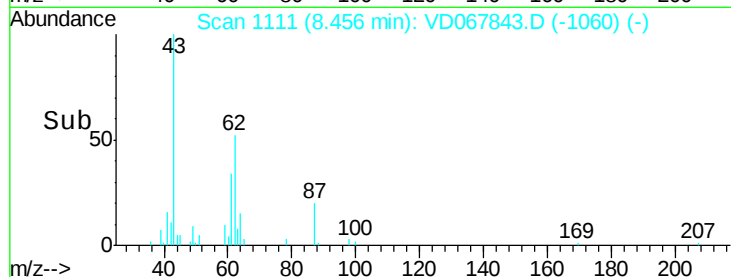
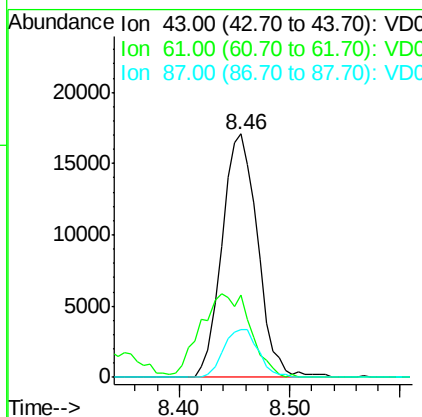
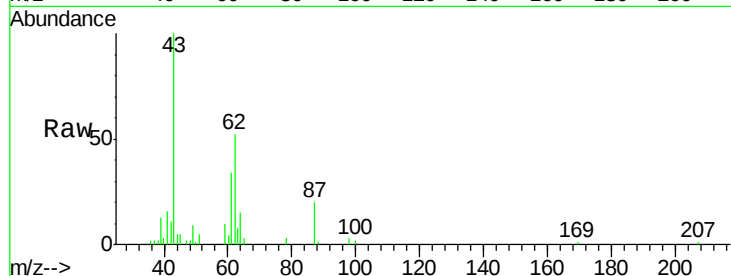
ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion:	43	Resp:	38468
Ion Ratio	Lower	Upper	
43	100		
61	0.0	30.4	45.6#
87	19.2	16.2	24.2

Manual Integrations
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#44

Trichloroethene

Concen: 47.070 ug/l

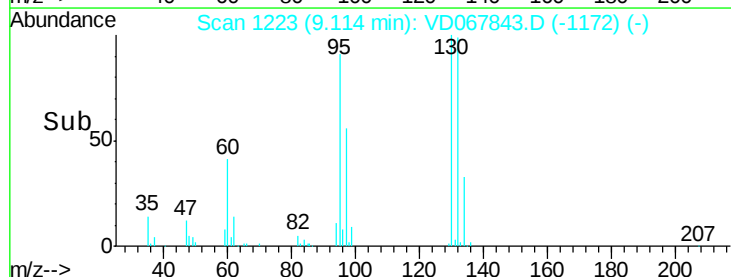
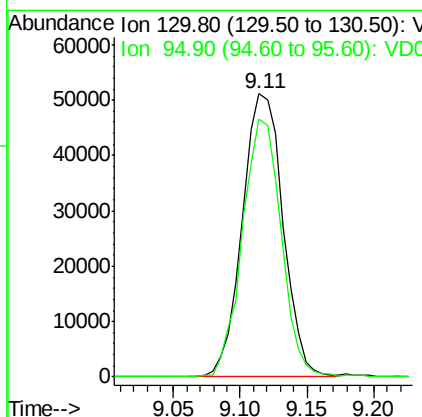
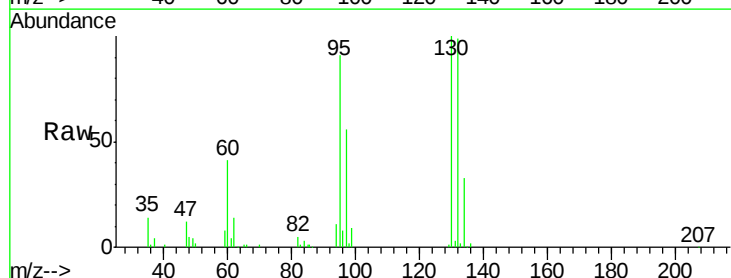
RT: 9.11 min Scan# 1223

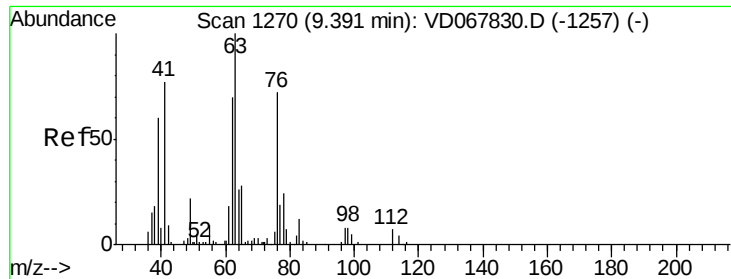
Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Tgt Ion:	130	Resp:	108093
Ion Ratio	Lower	Upper	
130	100		
95	90.9	0.0	170.2





#45

1,2-Dichloropropane

Concen: 47.370 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion: 63 Resp: 64938

Ion Ratio Lower Upper

63 100

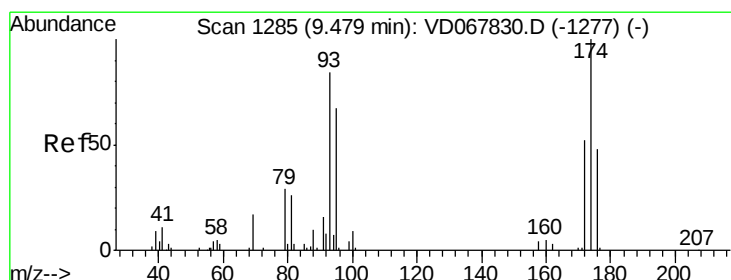
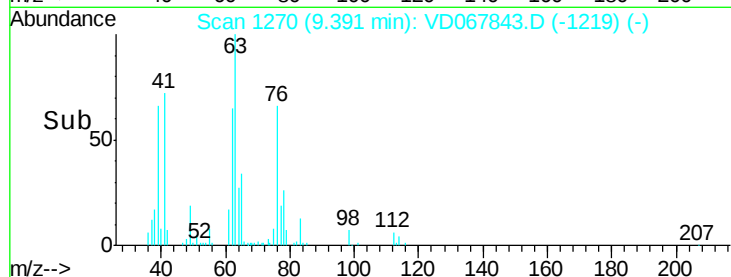
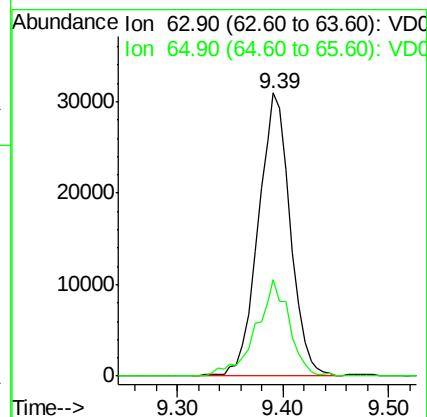
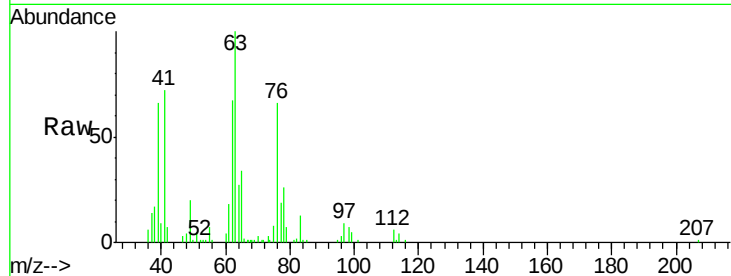
65 34.1 22.8 34.2

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#46

Dibromomethane

Concen: 43.036 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

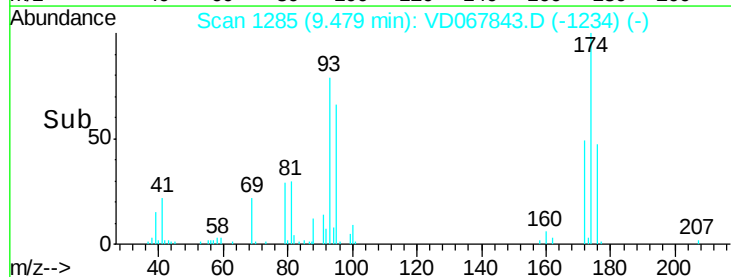
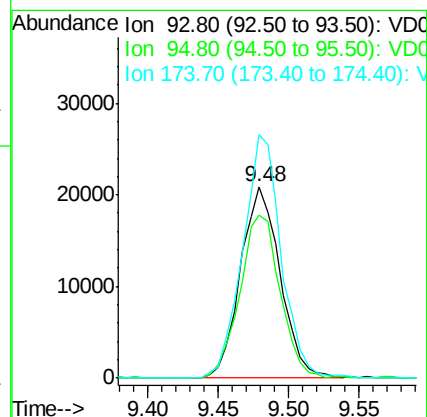
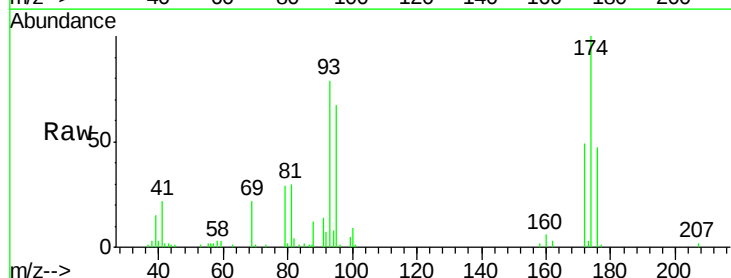
Tgt Ion: 93 Resp: 41019

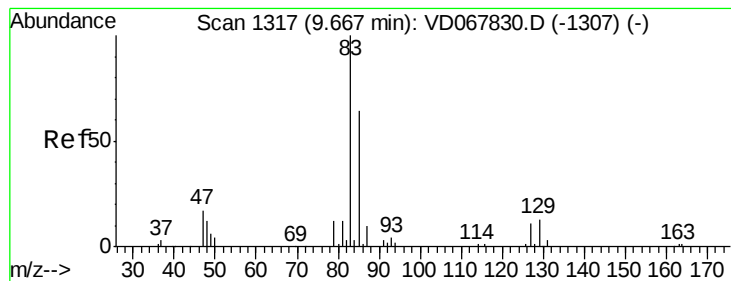
Ion Ratio Lower Upper

93 100

95 86.6 64.2 96.4

174 123.2 91.5 137.3





#47

Bromodichloromethane

Concen: 47.308 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

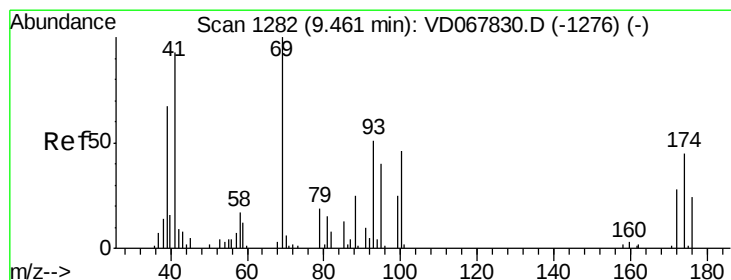
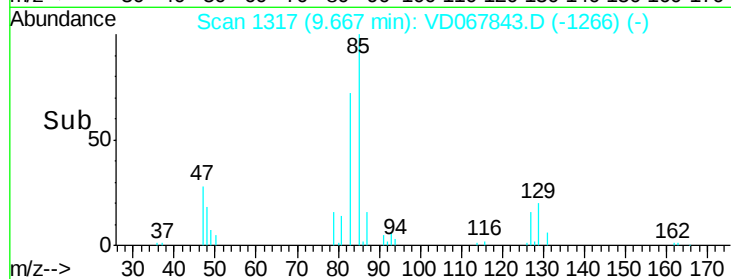
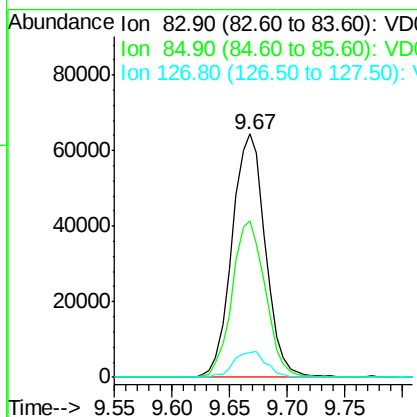
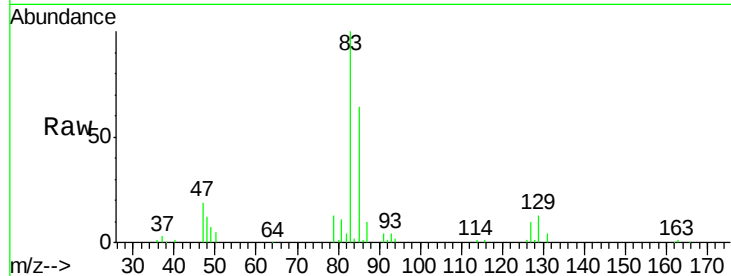
ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion:	83	Resp:	128546
Ion Ratio	Lower	Upper	
83	100		
85	64.1	51.4	77.0
127	10.2	8.5	12.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.139 ug/l

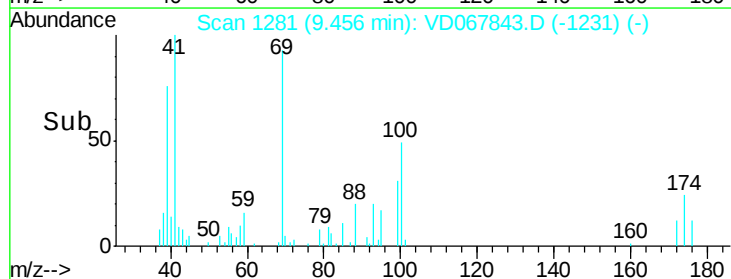
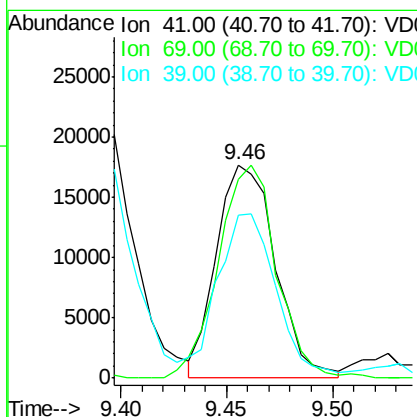
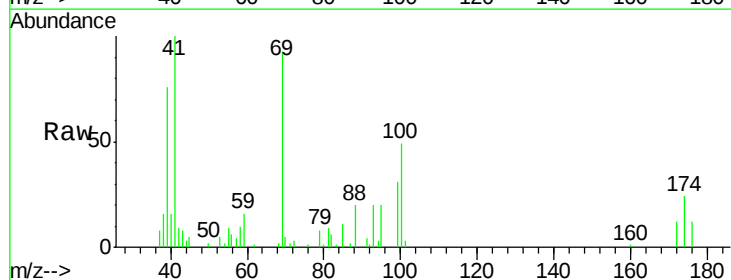
RT: 9.46 min Scan# 1281

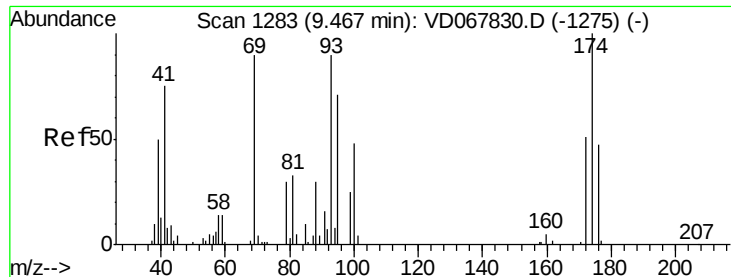
Delta R.T. -0.01 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Tgt Ion:	41	Resp:	34271
Ion Ratio	Lower	Upper	
41	100		
69	98.9	87.6	131.4
39	77.4	61.2	91.8





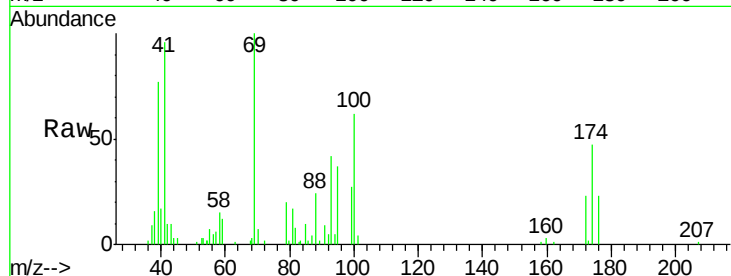
#49
1,4-Dioxane
Concen: 827.841 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

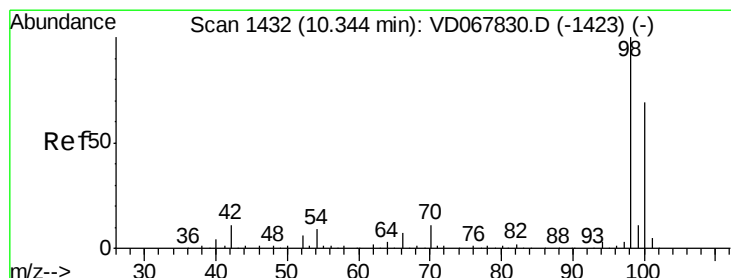
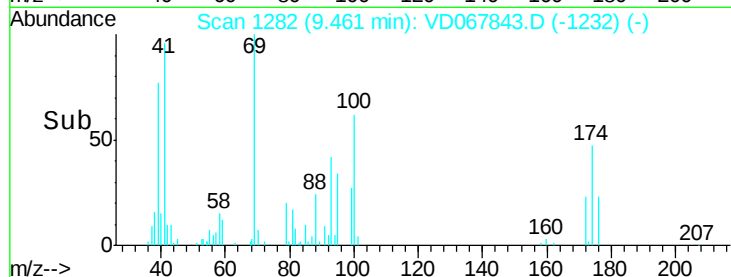
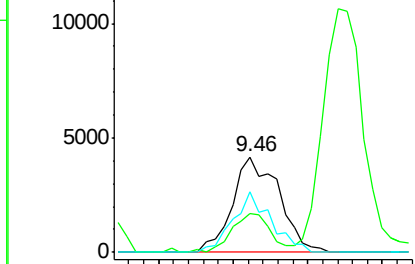
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	30.1	45.1
58	51.9	42.4	63.6

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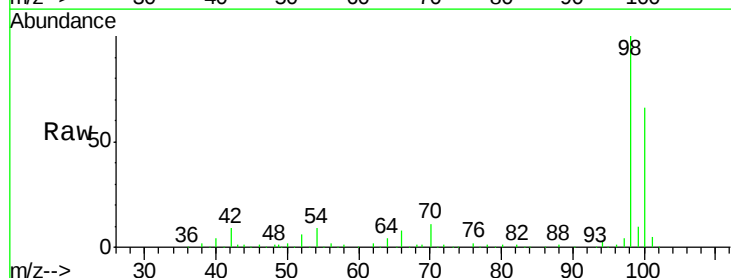


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

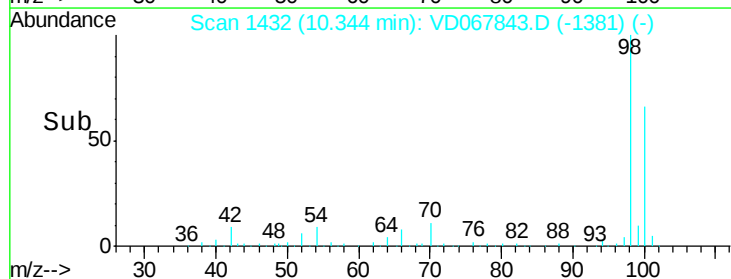
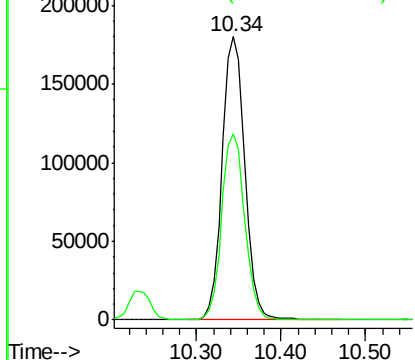


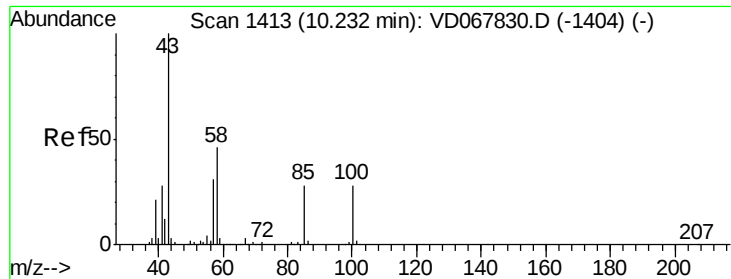
#50
Toluene-d8
Concen: 49.238 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





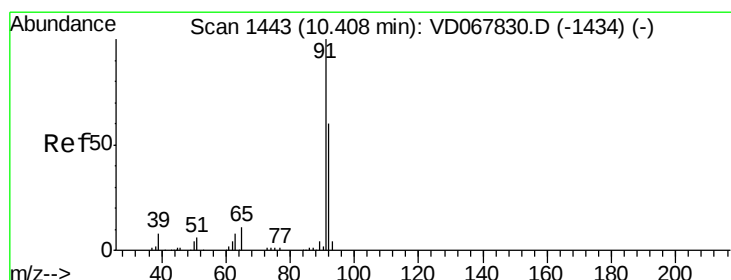
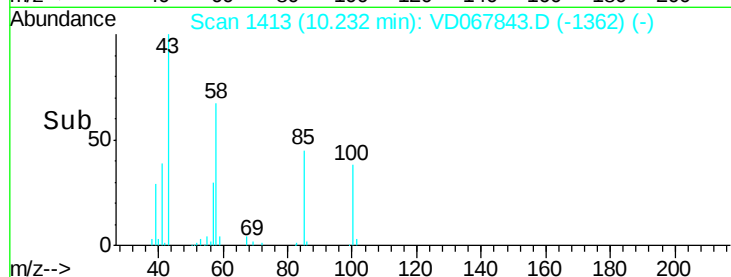
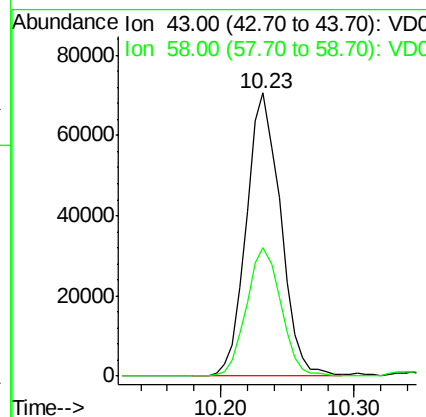
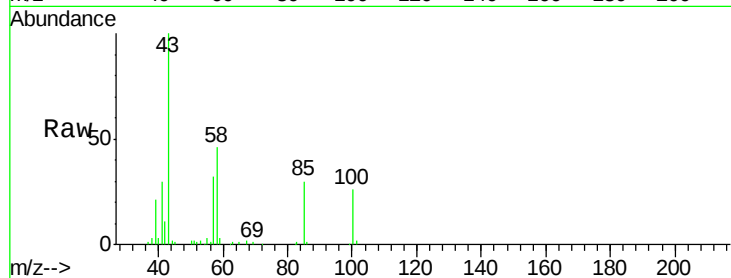
#51
4-Methyl-2-Pentanone
Concen: 204.012 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion: 43 Resp: 124988
Ion Ratio Lower Upper
43 100
58 45.8 35.7 53.5

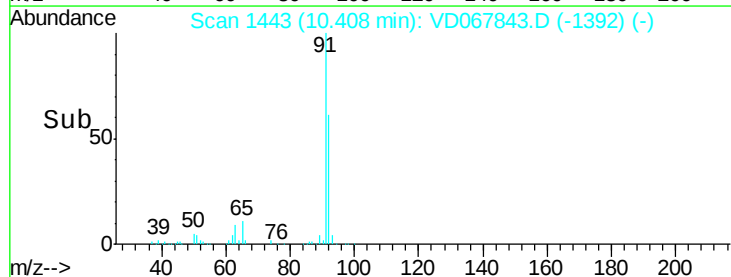
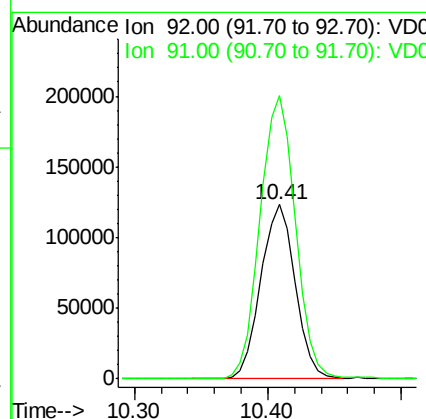
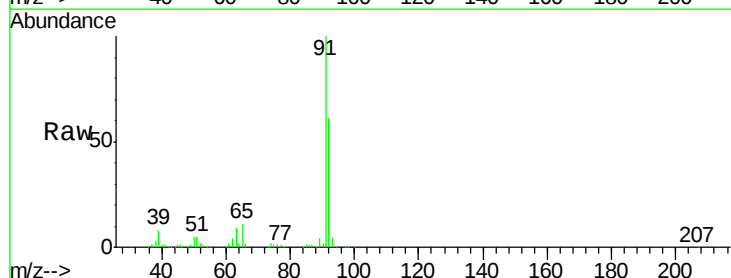
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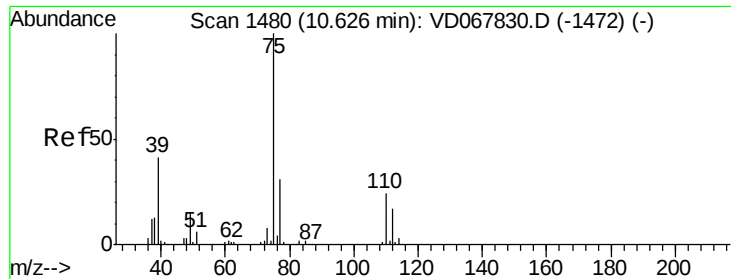
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12/3/2020 9:56:58 AM



#52
Toluene
Concen: 47.038 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion: 92 Resp: 219658
Ion Ratio Lower Upper
92 100
91 167.8 134.2 201.2





#53

t-1,3-Dichloropropene

Concen: 43.525 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion: 75 Resp: 102078

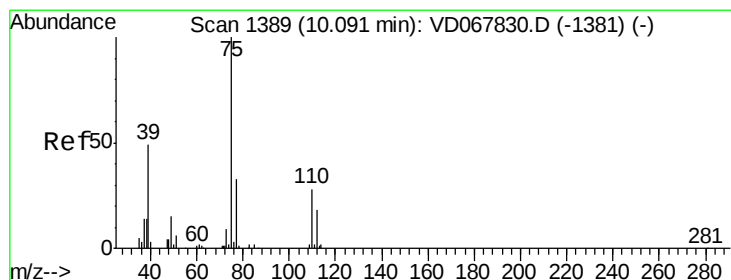
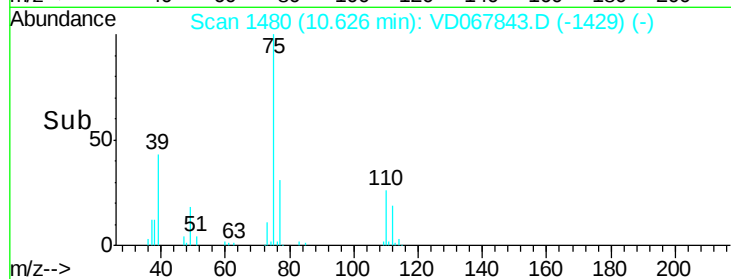
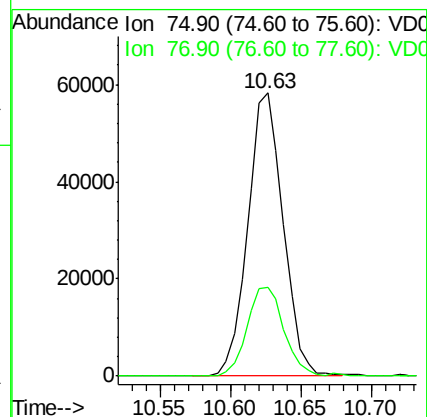
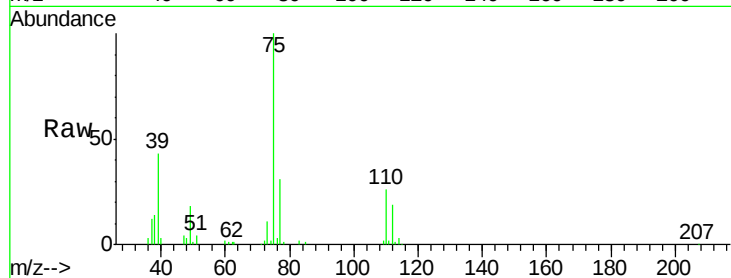
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 47.575 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

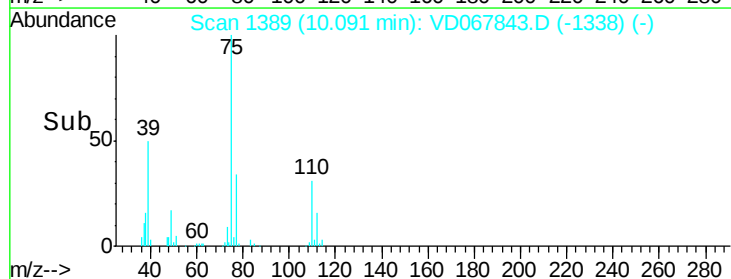
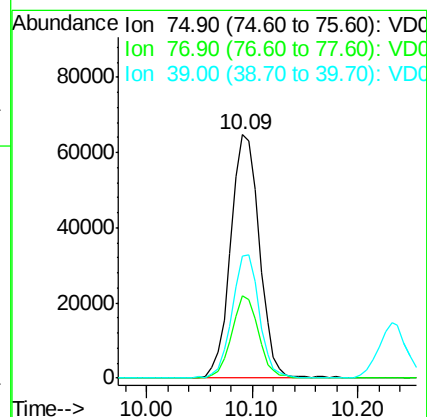
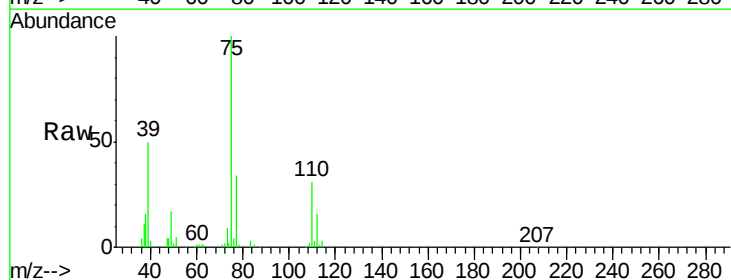
Tgt Ion: 75 Resp: 121367

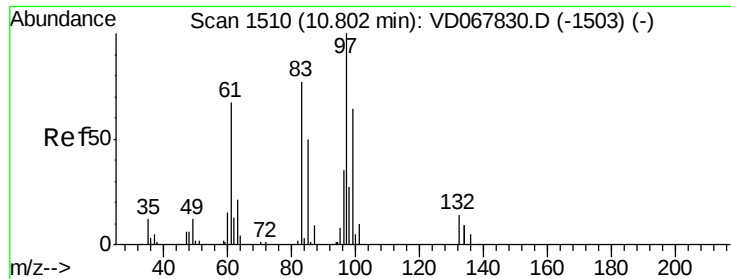
Ion Ratio Lower Upper

75 100

77 33.7 26.2 39.2

39 50.1 39.0 58.4





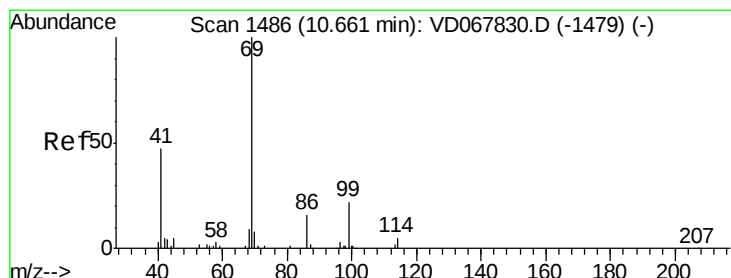
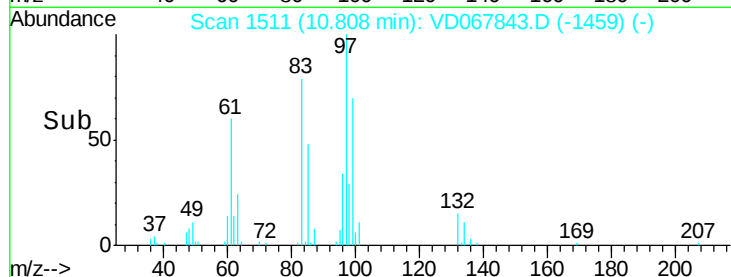
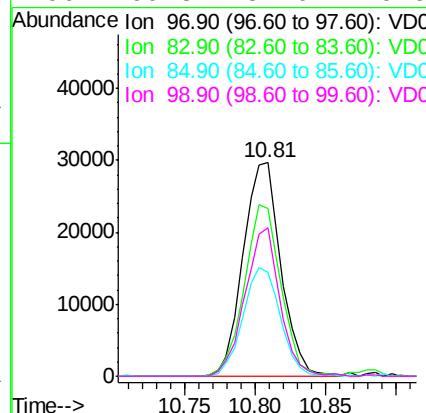
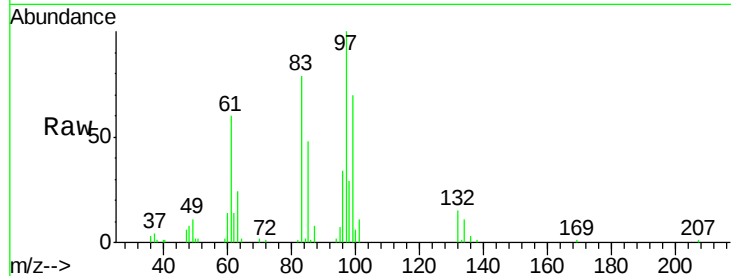
#55
 1,1,2-Trichloroethane
 Concen: 42.679 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MSD

Tot Ion:	97	Resp:	55670
Ion	Ratio	Lower	Upper
97	100		
83	78.6	61.9	92.9
85	48.3	40.2	60.4
99	69.8	51.0	76.6

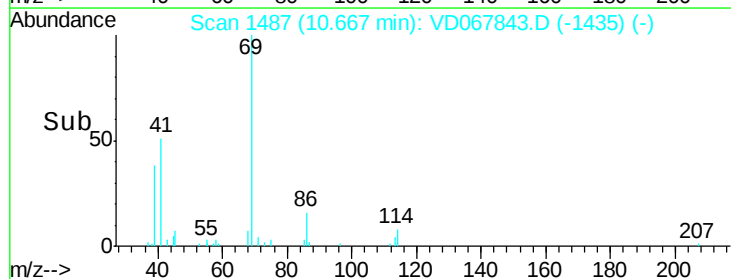
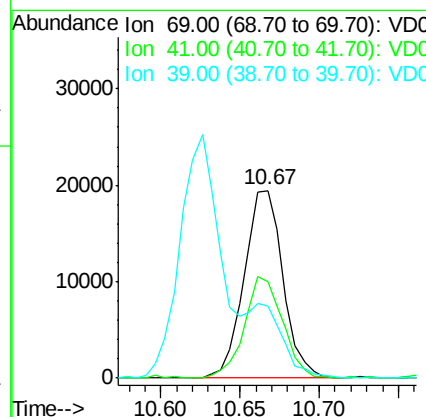
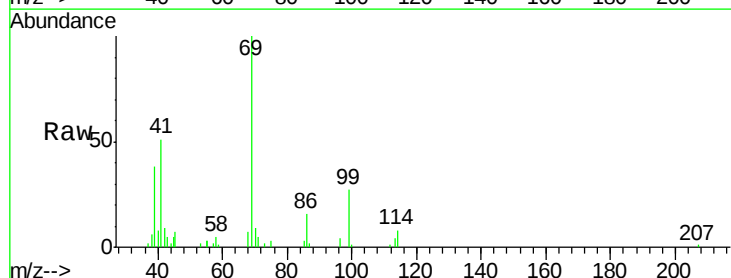
Manual Integrations
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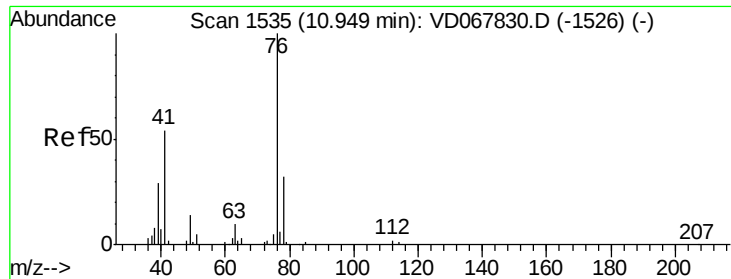
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 12/3/2020 9:56:58 AM



#56
 Ethyl methacrylate
 Concen: 24.917 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Tgt Ion:	69	Resp:	33068
Ion	Ratio	Lower	Upper
69	100		
41	53.2	42.8	64.2
39	0.0	30.5	45.7#





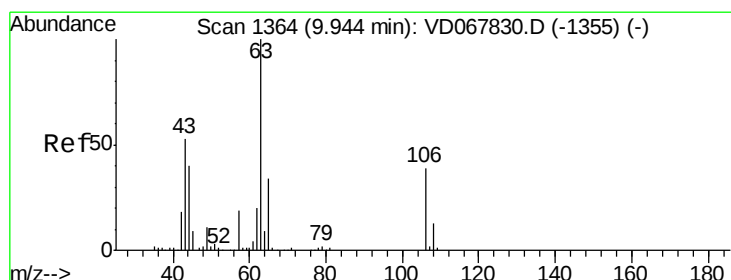
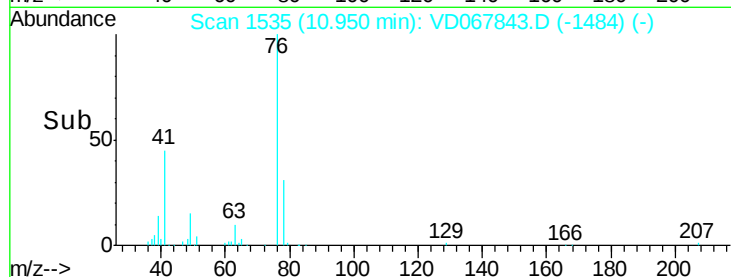
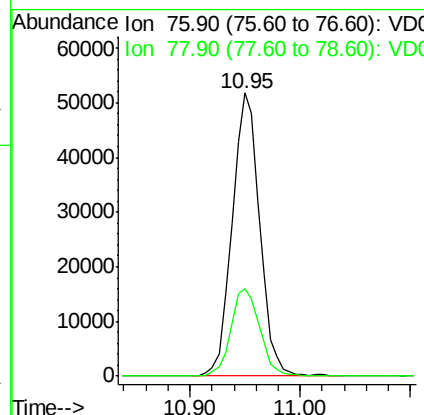
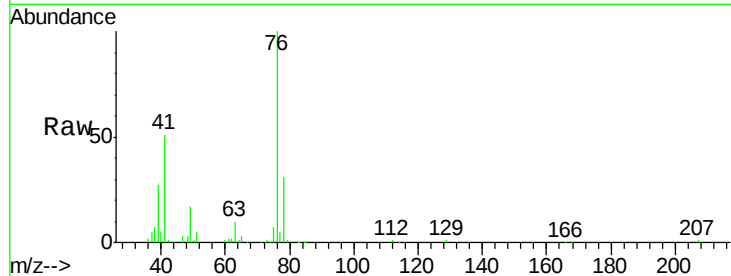
#57
 1,3-Dichloropropane
 Concen: 43.886 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MSD

Tot Ion: 76 Resp: 90676
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.6 39.8

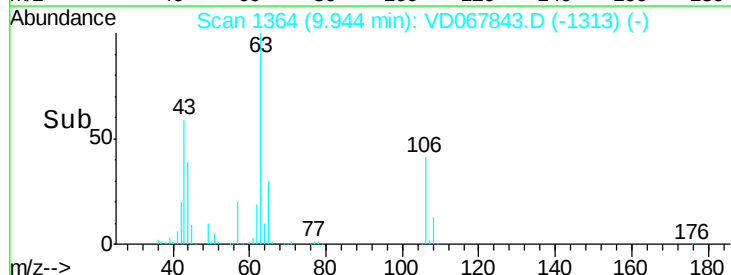
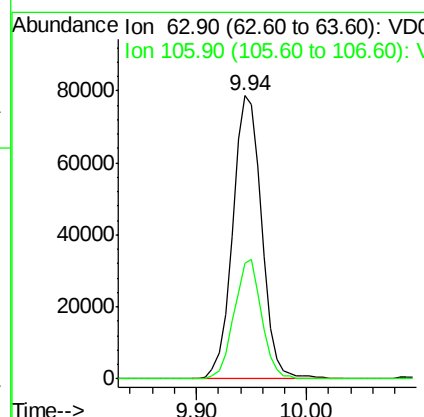
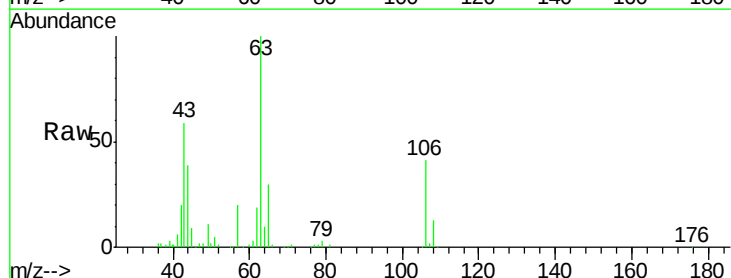
Manual Integrations
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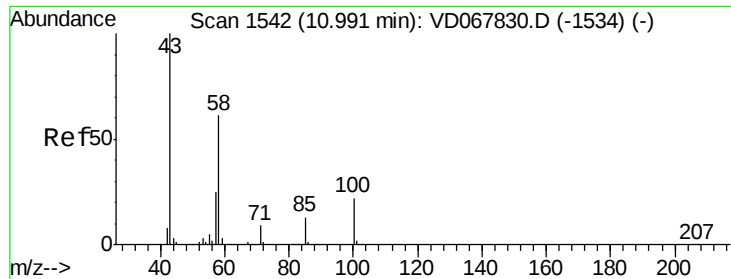
MMDadoda
 12/3/2020 9:56:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.883 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Tgt Ion: 63 Resp: 144259
 Ion Ratio Lower Upper
 63 100
 106 40.0 32.0 48.0





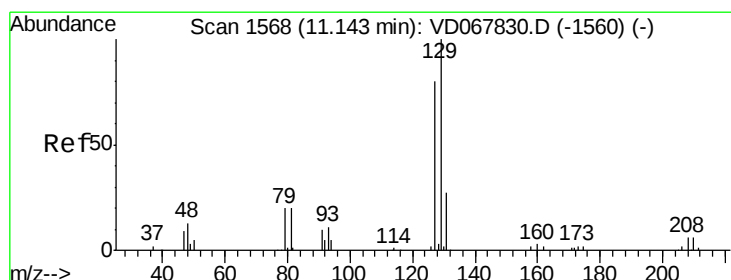
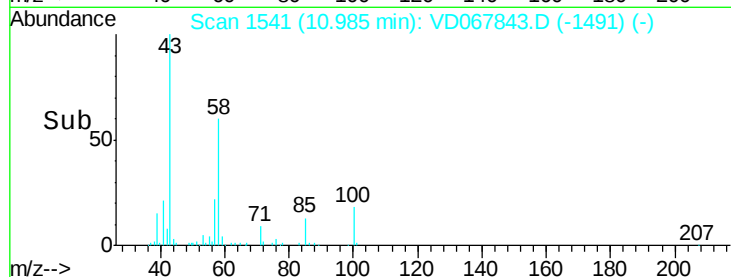
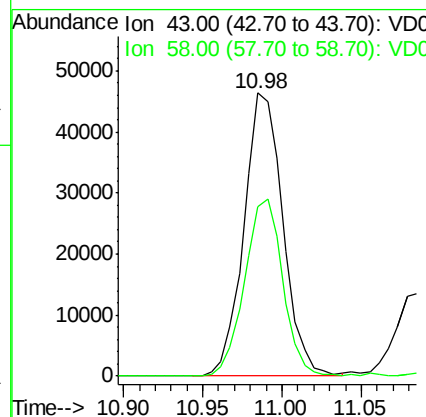
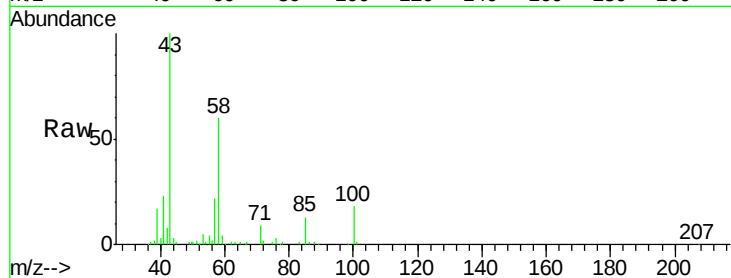
#59
2-Hexanone
Concen: 184.014 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion: 43 Resp: 79473
Ion Ratio Lower Upper
43 100
58 61.1 29.9 89.7

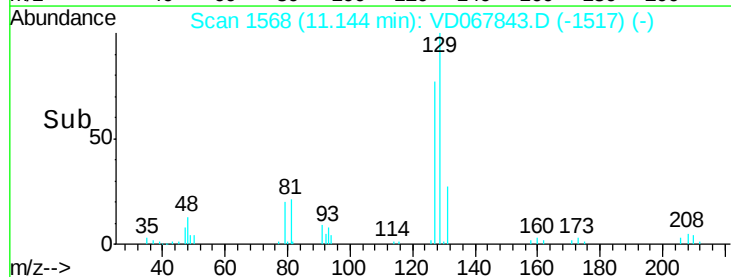
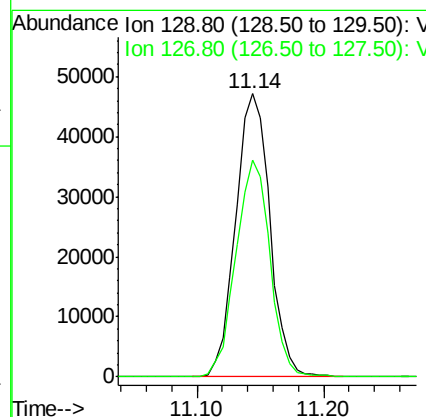
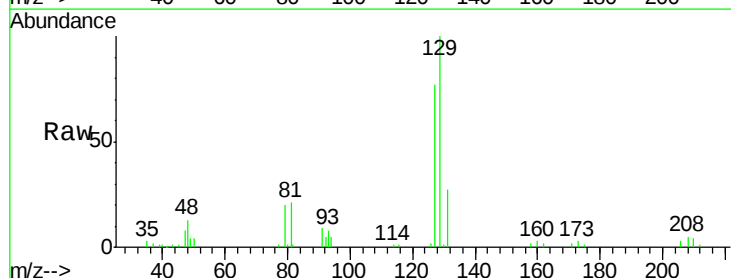
Manual Integrations
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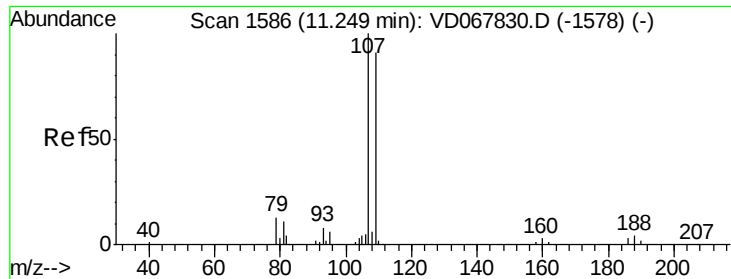
MMDadoda
12/3/2020 9:56:58 AM



#60
Dibromochloromethane
Concen: 44.632 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion: 129 Resp: 87758
Ion Ratio Lower Upper
129 100
127 76.6 39.2 117.6





#61

1,2-Dibromoethane

Concen: 40.698 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion:107 Resp: 52203

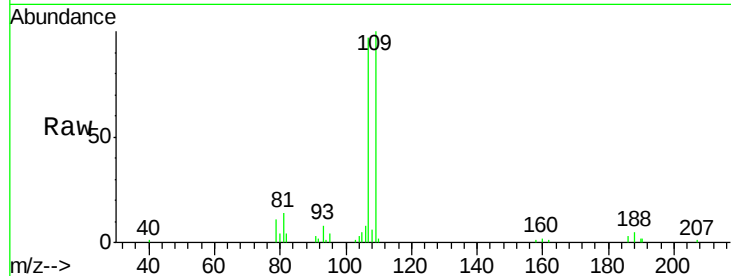
Ion Ratio Lower Upper

107 100

109 97.3 75.9 113.9

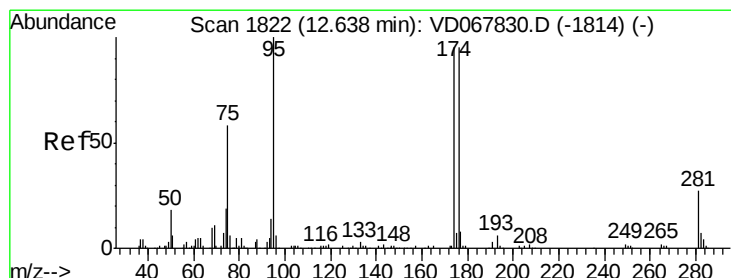
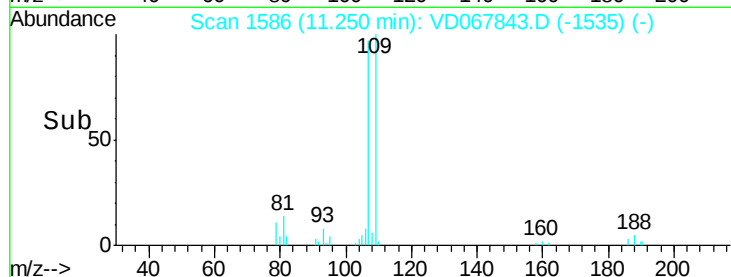
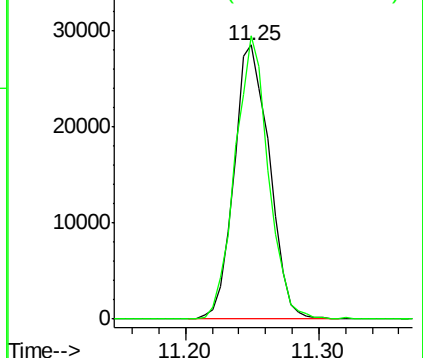
Manual Integrations
APPROVED

MMDadoda
12/3/2020 9:56:58 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 41.879 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

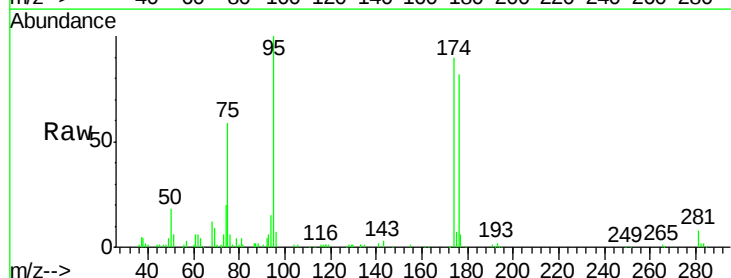
Tgt Ion: 95 Resp: 98339

Ion Ratio Lower Upper

95 100

174 94.6 0.0 186.0

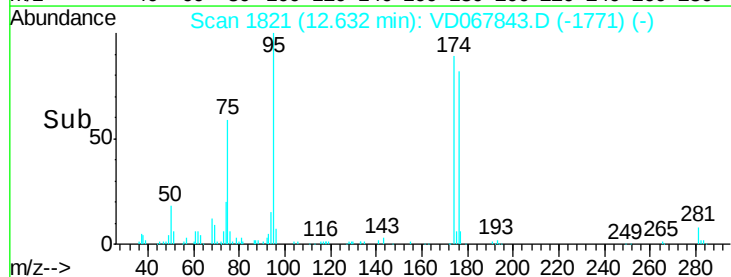
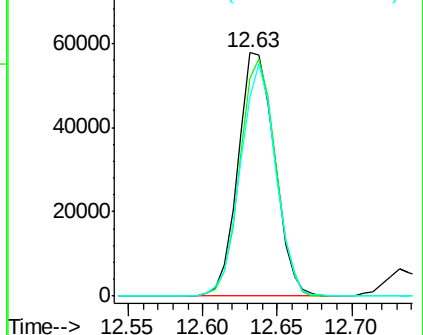
176 91.6 0.0 184.2

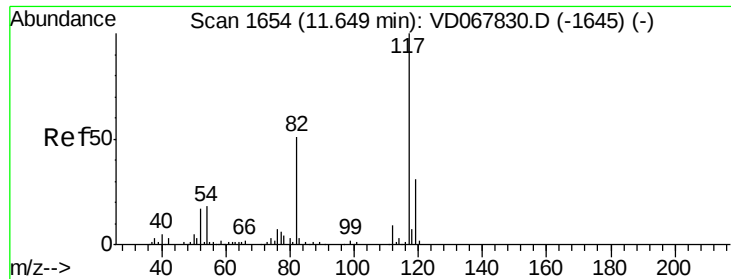


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





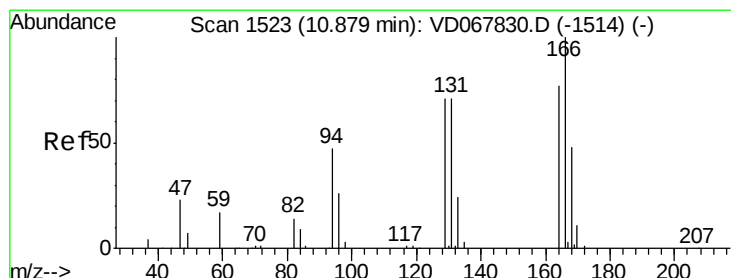
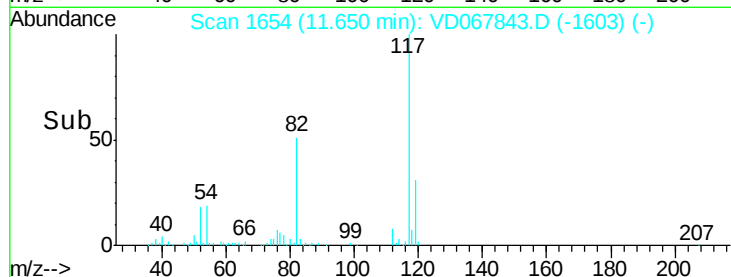
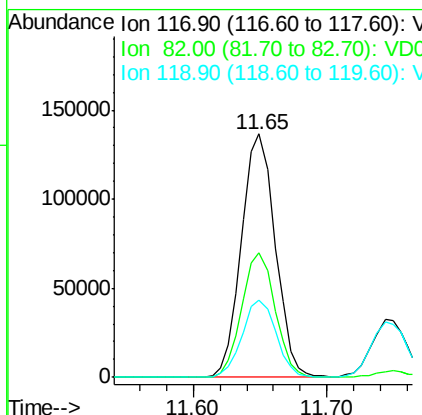
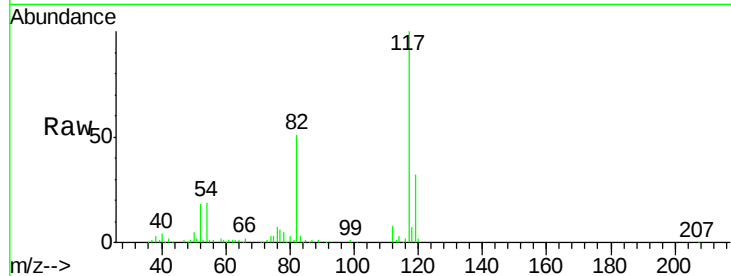
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	40.6	60.8
119	31.6	25.1	37.7

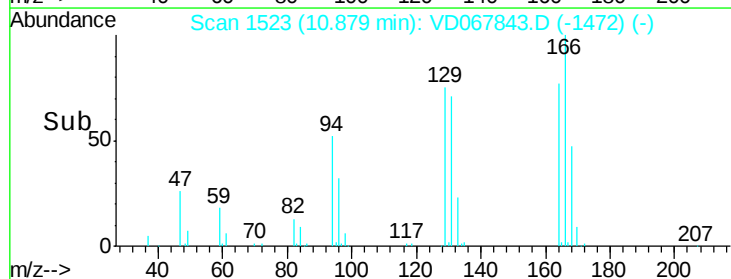
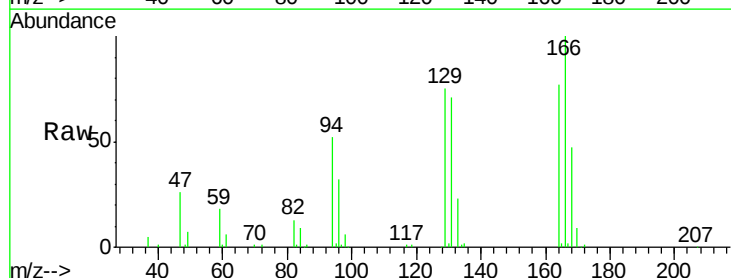
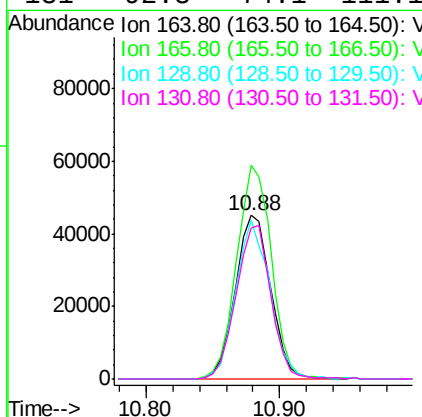
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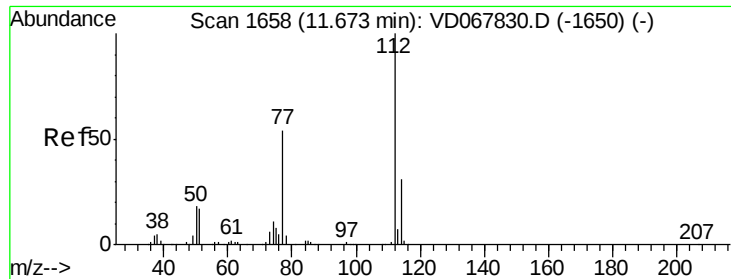
MMDadoda
12/3/2020 9:56:58 AM



#64
Tetrachloroethene
Concen: 42.395 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.6	103.8	155.6
129	97.3	73.3	109.9
131	92.3	74.1	111.1





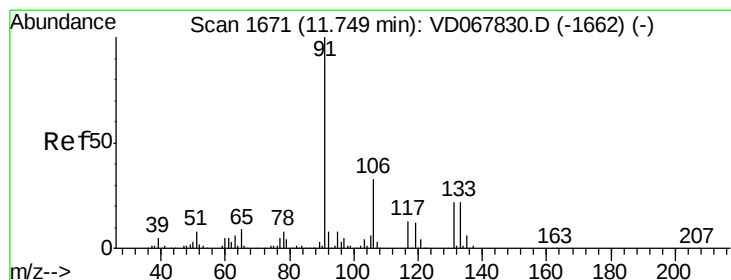
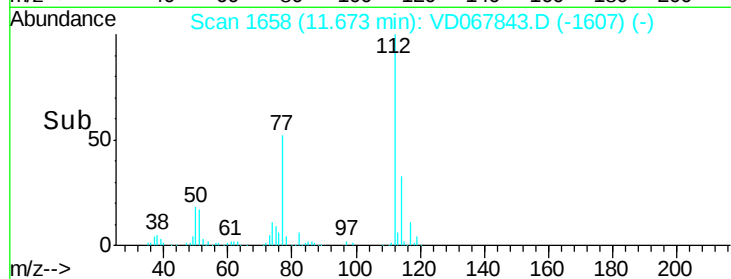
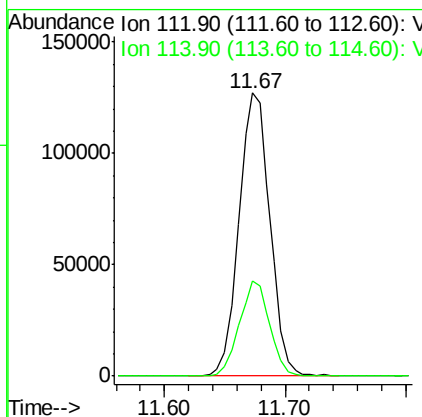
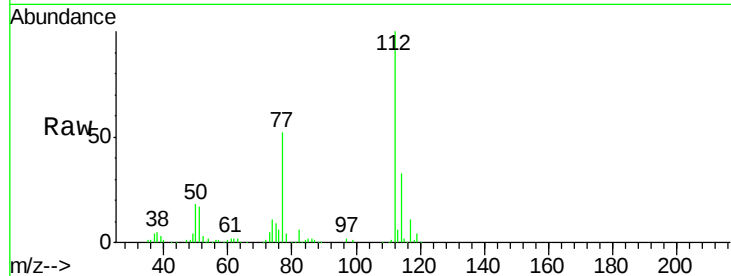
#65
Chlorobenzene
Concen: 45.701 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.0	37.4

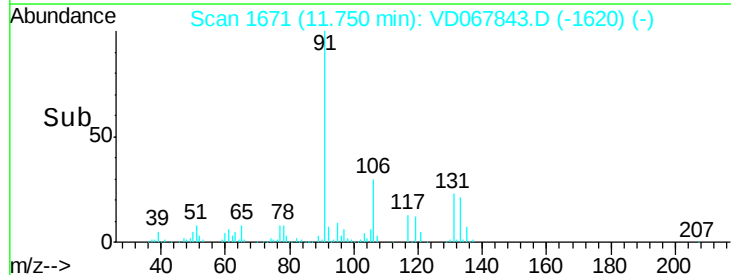
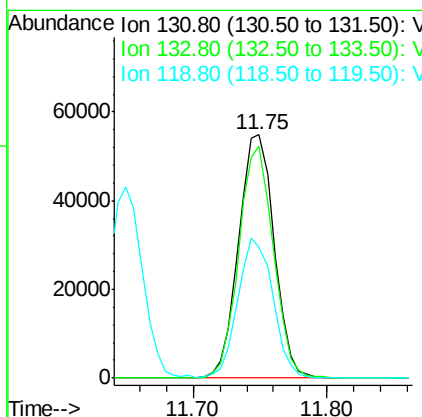
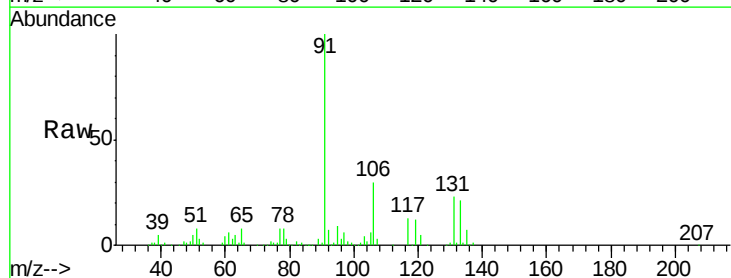
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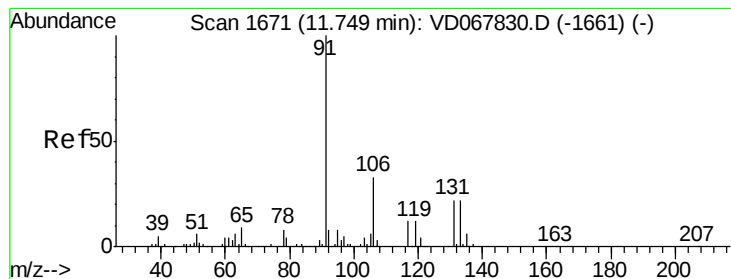
MMDadoda
12/3/2020 9:56:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.909 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.6	49.9	149.7
119	57.1	29.6	88.9





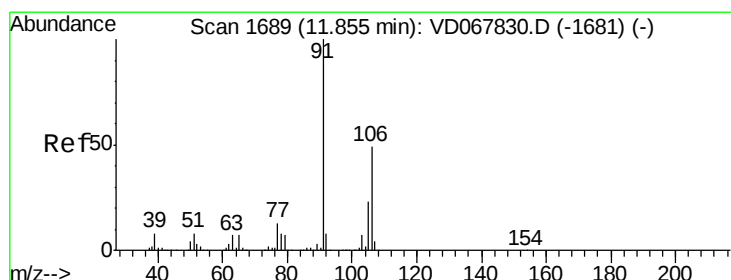
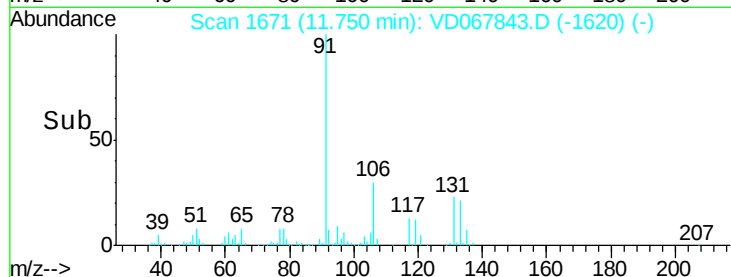
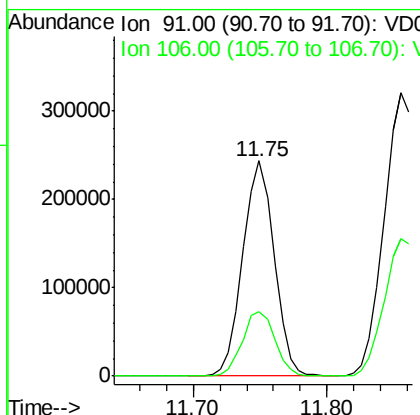
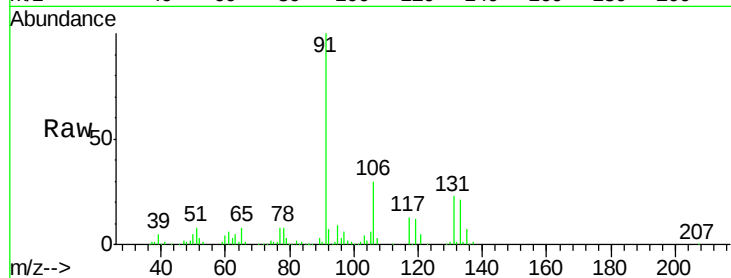
#67
Ethyl Benzene
Concen: 46.994 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion: 91 Resp: 397400
Ion Ratio Lower Upper
91 100
106 29.7 26.2 39.2

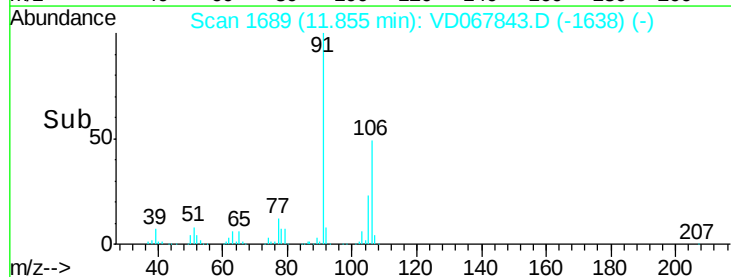
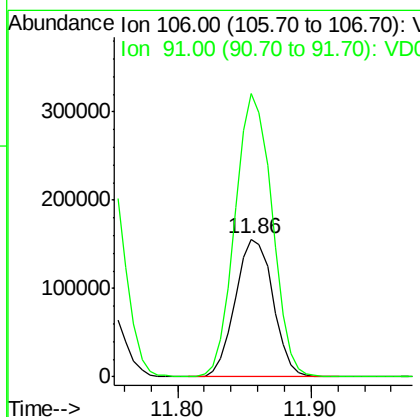
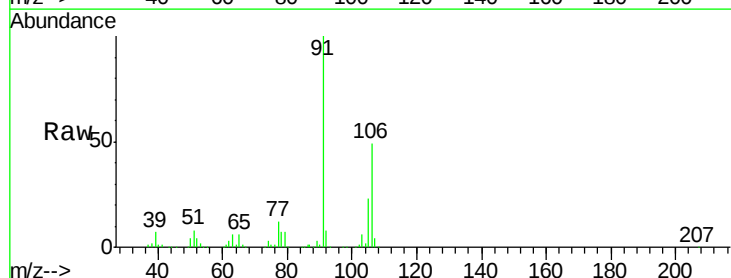
Manual Integrations
APPROVED

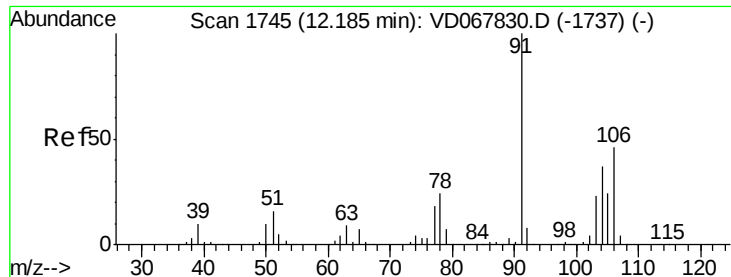
MMDadoda
12/3/2020 9:56:58 AM



#68
m/p-Xylenes
Concen: 91.497 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion: 106 Resp: 305089
Ion Ratio Lower Upper
106 100
91 202.8 162.8 244.2





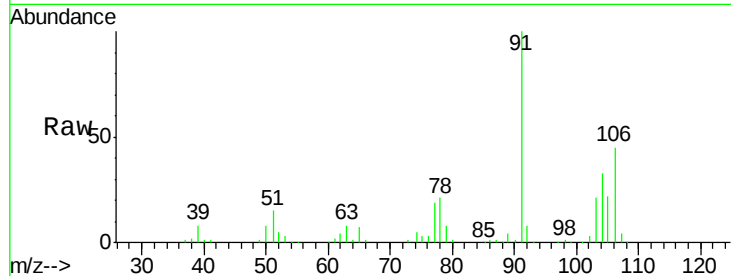
#69
o-Xylene
Concen: 47.237 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

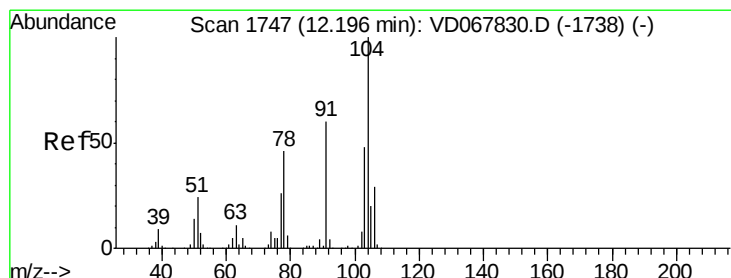
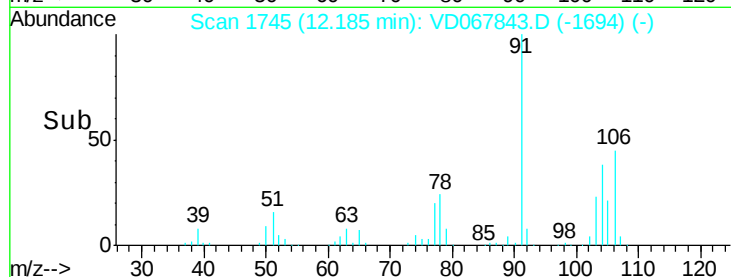
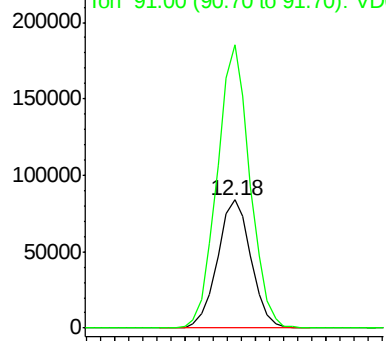
Tot Ion:106 Resp: 139831
Ion Ratio Lower Upper
106 100
91 215.9 107.5 322.5

Manual Integrations
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MMDadoda
12/3/2020 9:56:58 AM

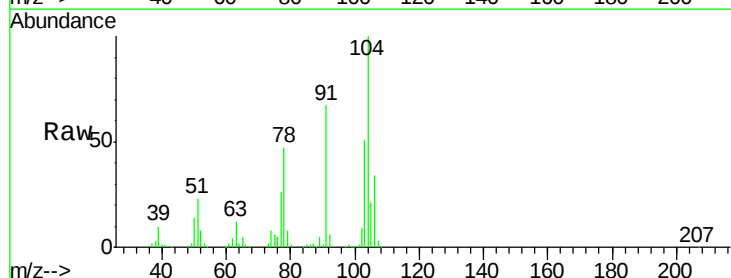


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

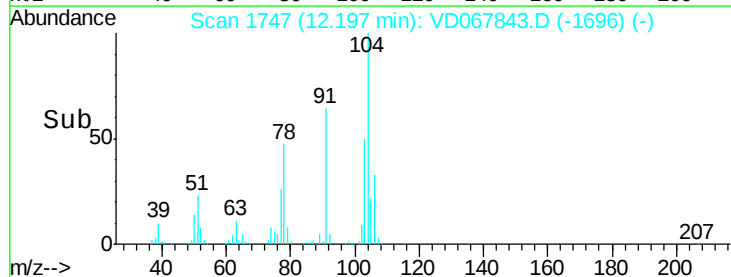
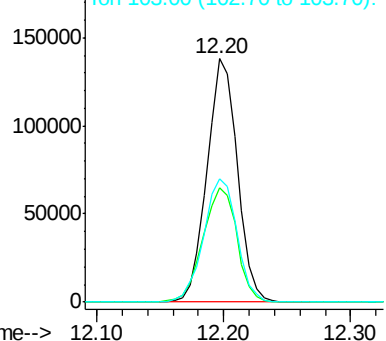


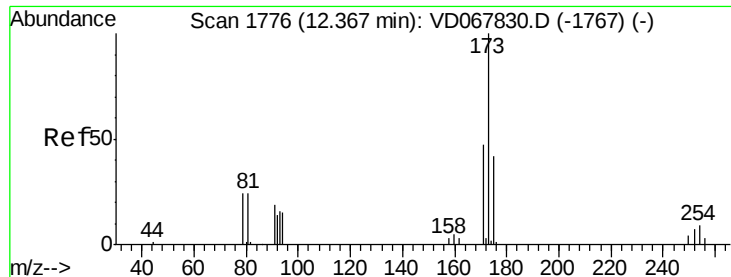
#70
Styrene
Concen: 44.442 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion:104 Resp: 228757
Ion Ratio Lower Upper
104 100
78 52.3 41.6 62.4
103 55.7 43.2 64.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 43.759 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion:173 Resp: 46899

Ion Ratio Lower Upper

173 100

175 46.1 23.4 70.3

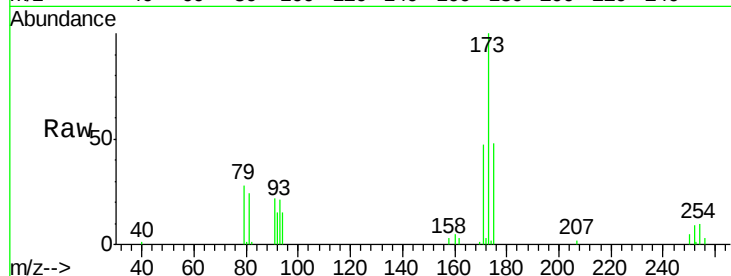
254 0.0 0.1 0.1#

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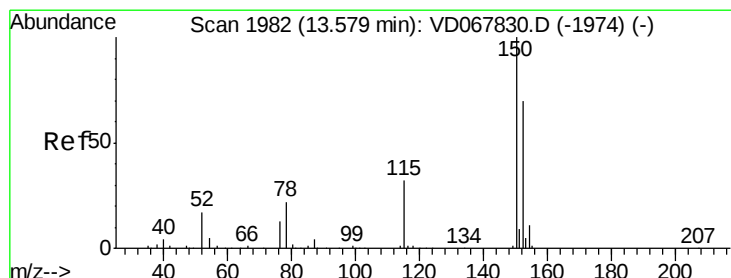
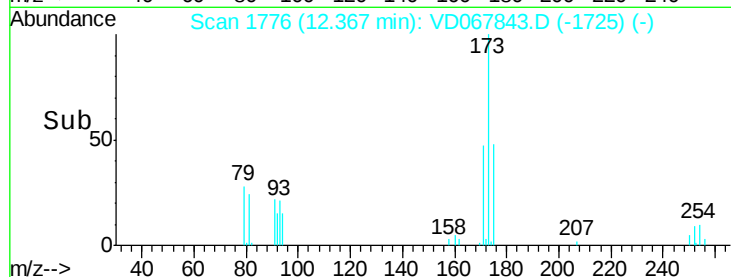
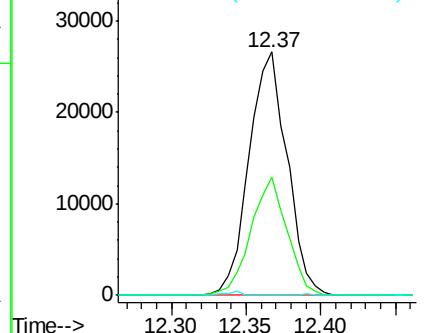
12/3/2020 9:56:58 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

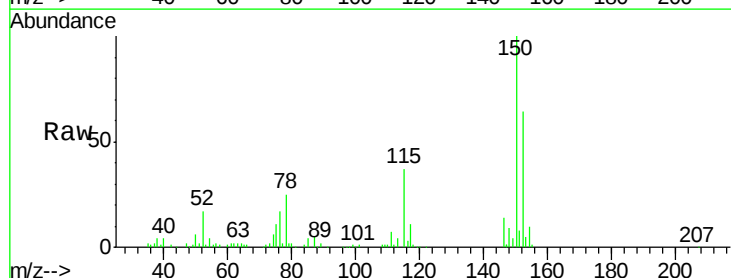
Tgt Ion:152 Resp: 99001

Ion Ratio Lower Upper

152 100

115 59.3 29.1 87.4

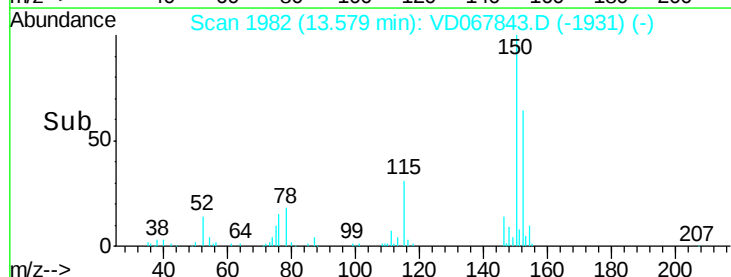
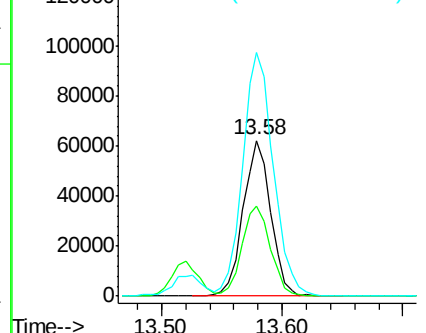
150 173.0 0.0 339.0

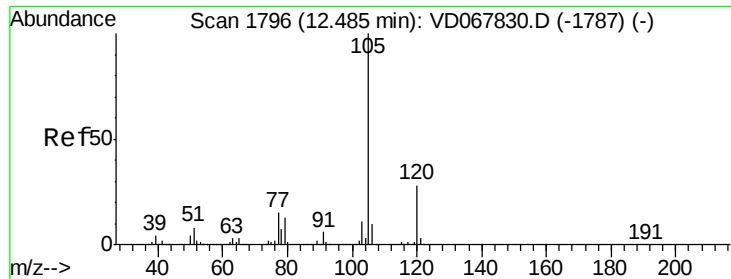


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





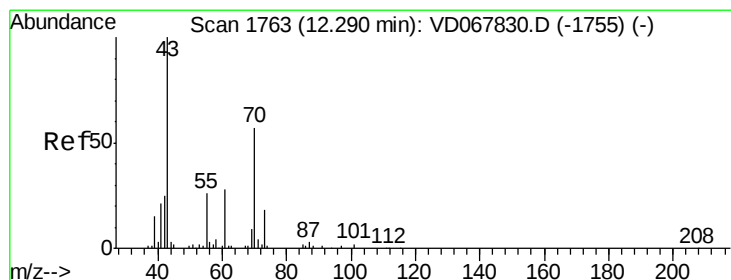
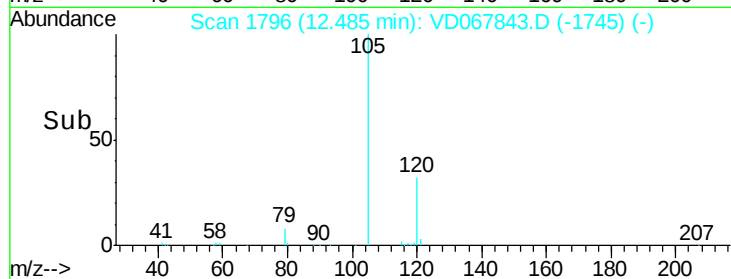
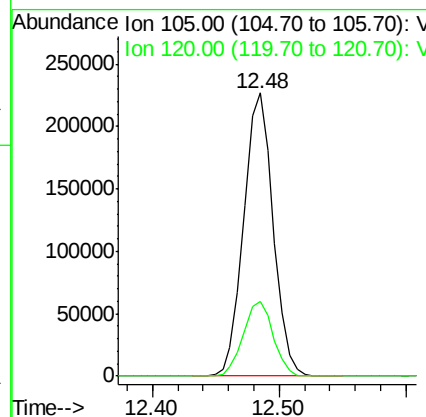
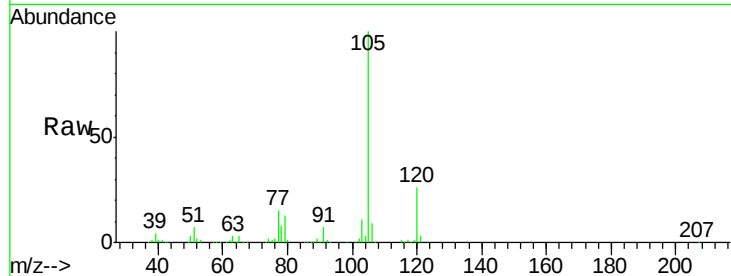
#73
Isopropylbenzene
Concen: 53.469 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.9	41.6

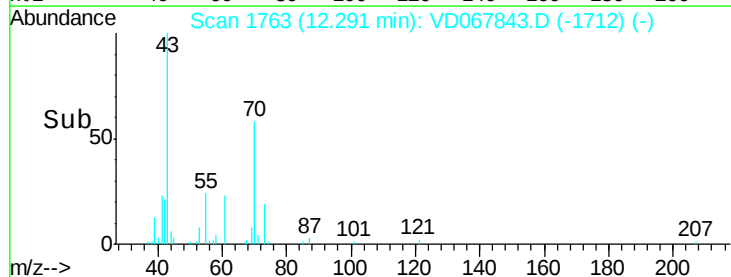
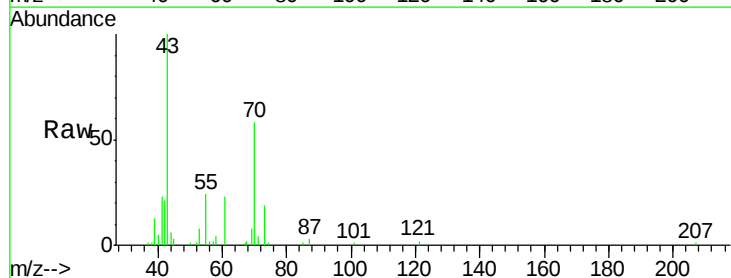
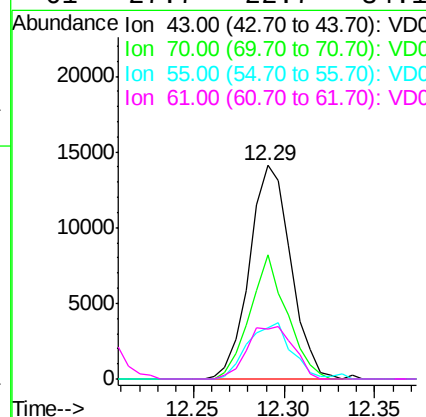
Manual Integrations
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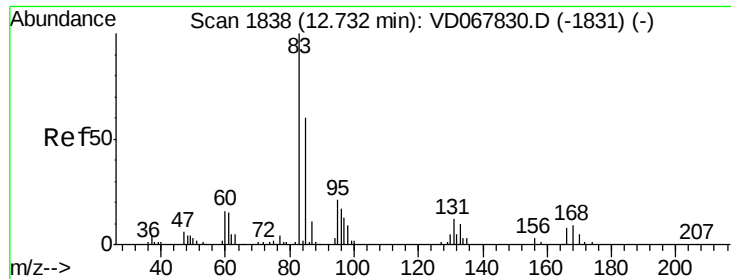
MMDadoda
12/3/2020 9:56:58 AM



#74
N-ethyl acetate
Concen: 26.546 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.1	44.6	66.8
55	28.5	22.2	33.2
61	27.7	22.7	34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.223 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

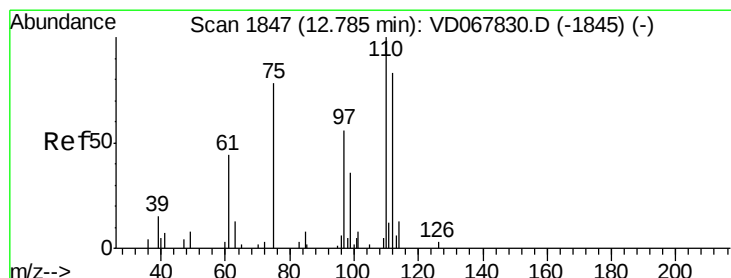
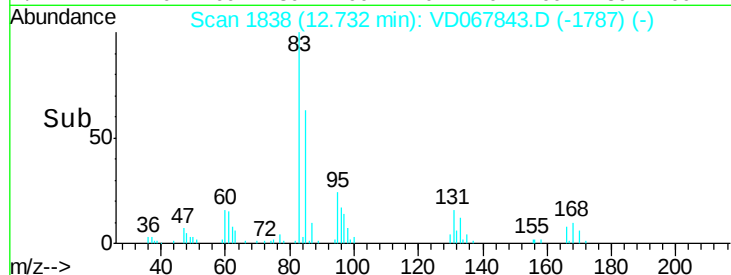
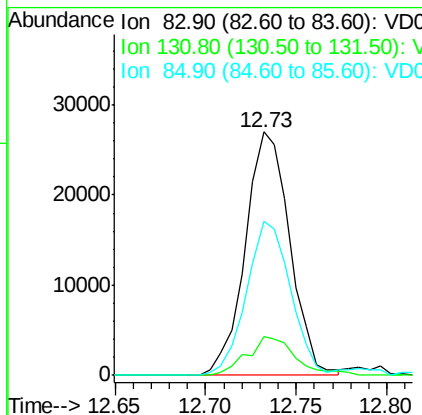
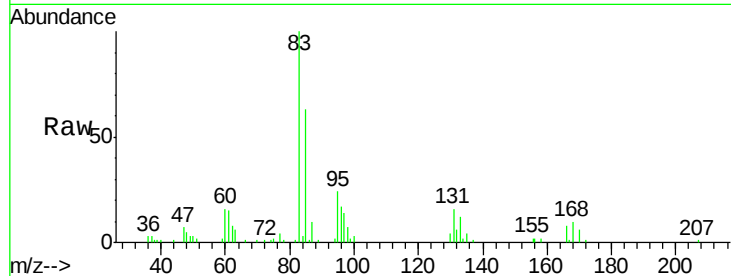
ClientSampleId :

KENS-B4-112320-0-2MSD

Tot Ion:	83	Resp:	46042
Ion Ratio	Lower	Upper	
83	100		
131	17.4	8.0	24.0
85	63.5	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 50.429 ug/l m

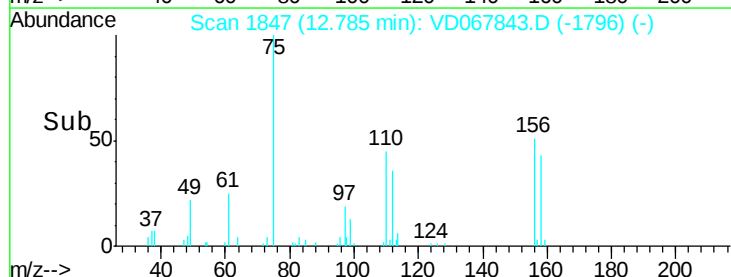
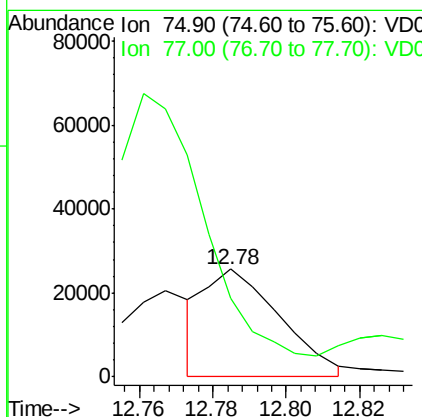
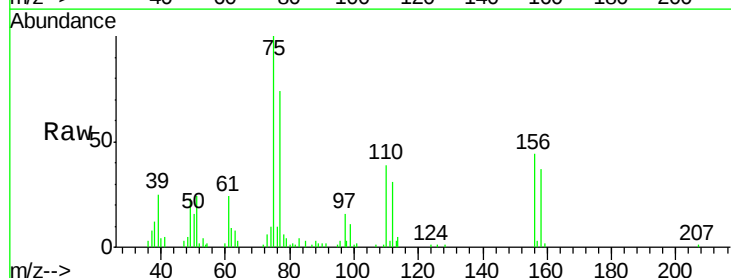
RT: 12.78 min Scan# 1847

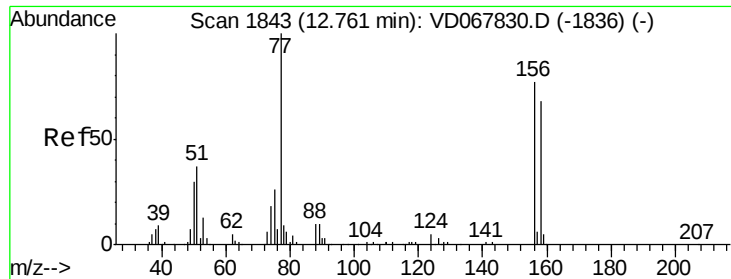
Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Tgt Ion:	75	Resp:	36357
Ion Ratio	Lower	Upper	
75	100		
77	0.0	175.9	527.7#





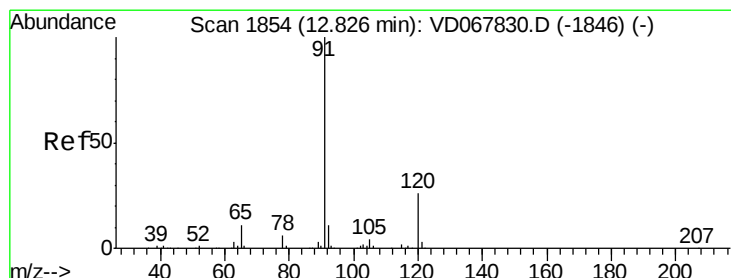
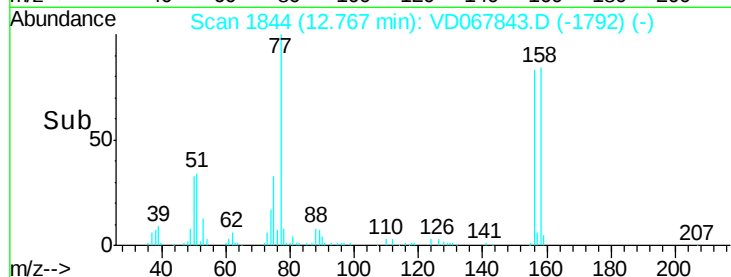
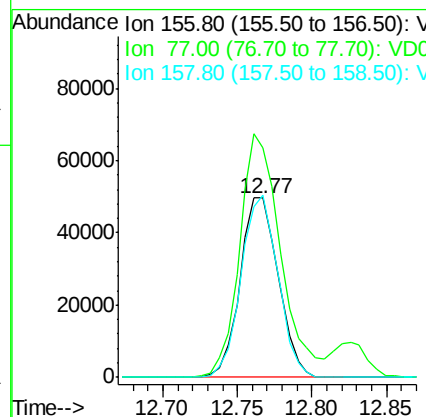
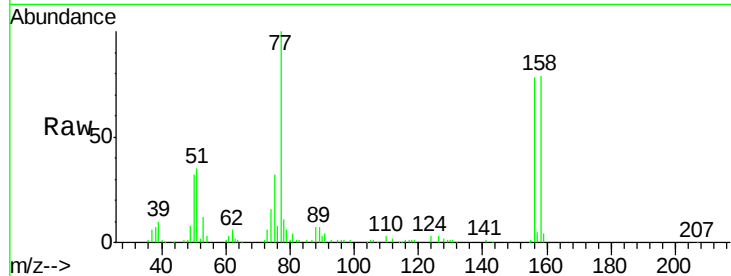
#77
Bromobenzene
Concen: 52.163 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.2	71.5	214.5
158	97.5	47.1	141.4

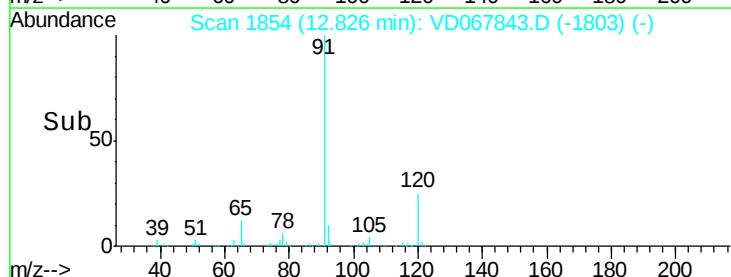
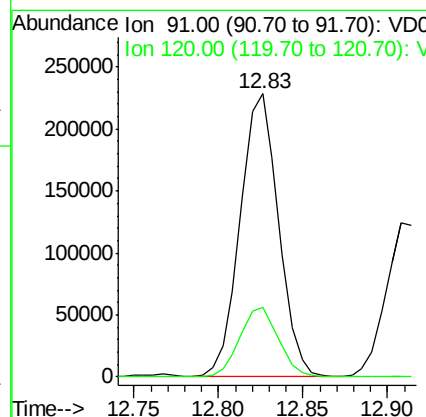
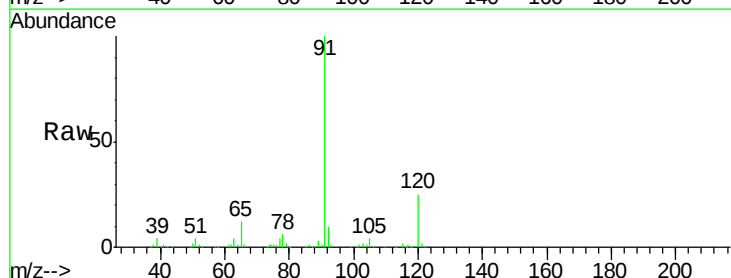
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APPROVED

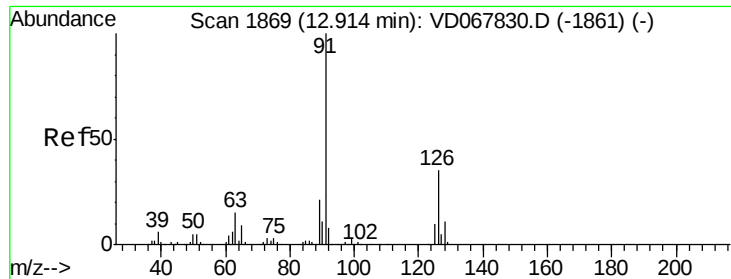
MMDadoda
12/3/2020 9:56:58 AM



#78
n-propylbenzene
Concen: 47.733 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.7	38.0





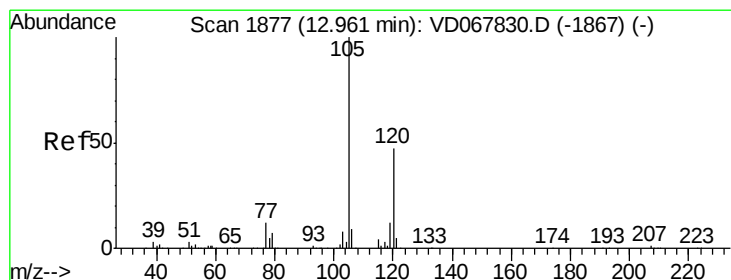
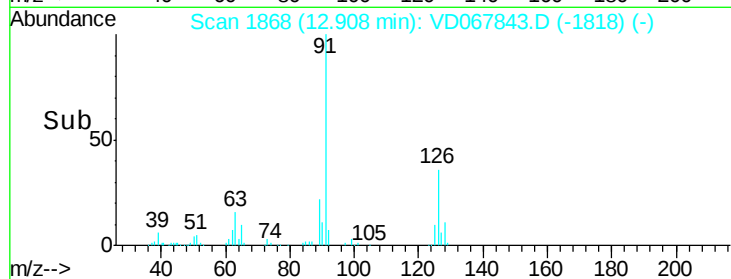
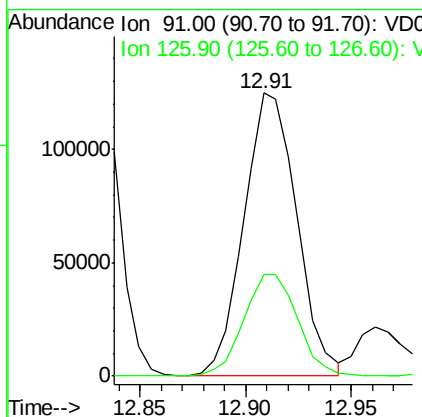
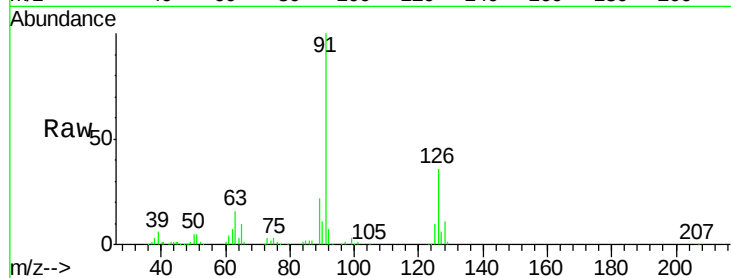
#79
 2-Chlorotoluene
 Concen: 48.773 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MSD

Tot Ion: 91 Resp: 216517
 Ion Ratio Lower Upper
 91 100
 126 36.5 17.9 53.7

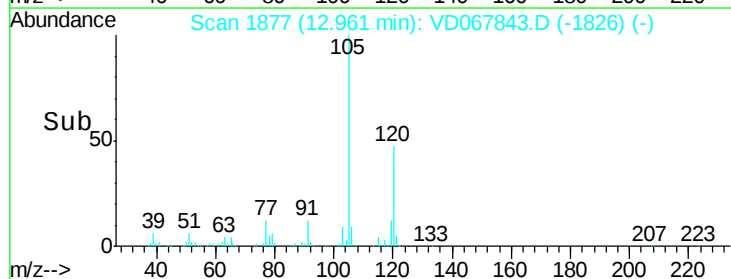
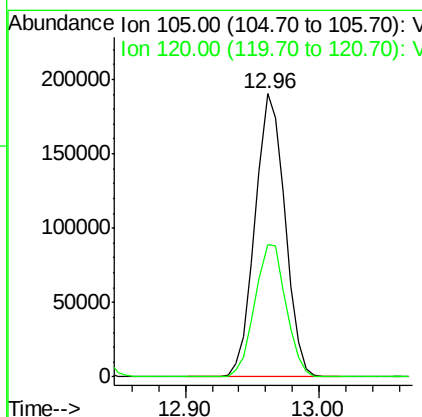
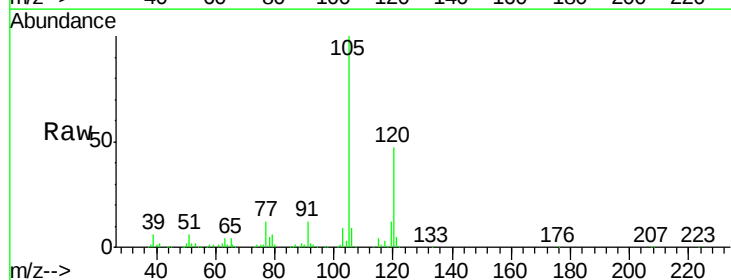
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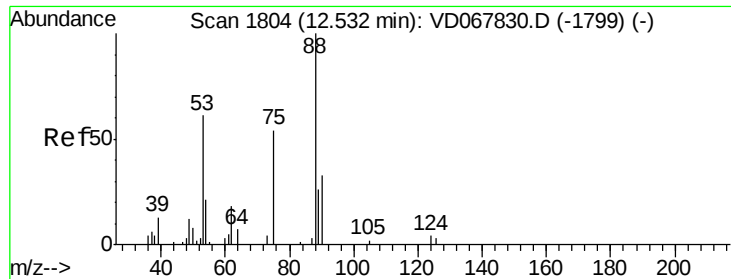
MMDadoda
 12/3/2020 9:56:58 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.875 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Tgt Ion: 105 Resp: 293995
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.9





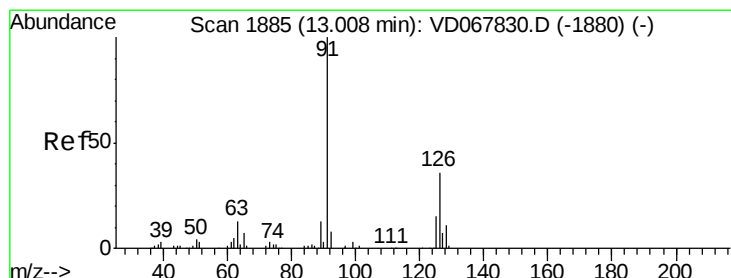
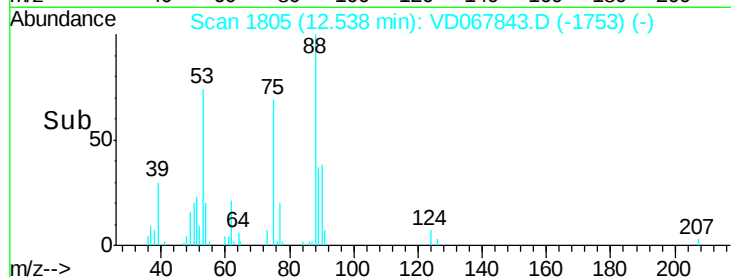
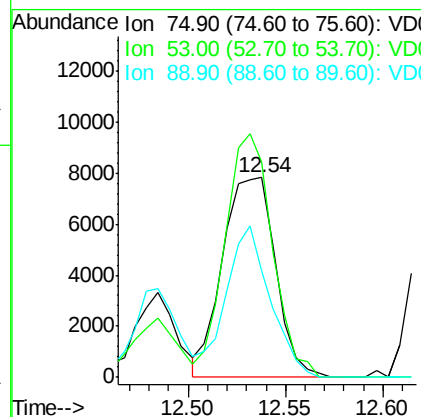
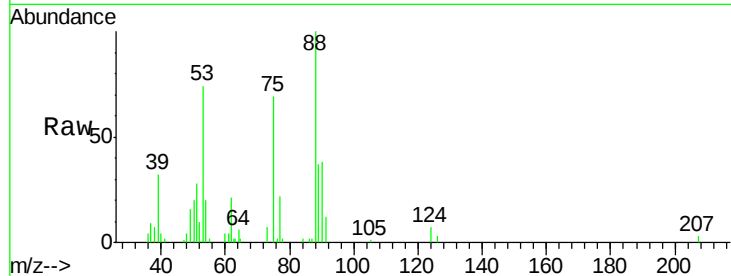
#81
trans-1,4-Dichloro-2-butene
Concen: 49.006 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.5	84.6	127.0
89	63.1	41.0	61.6

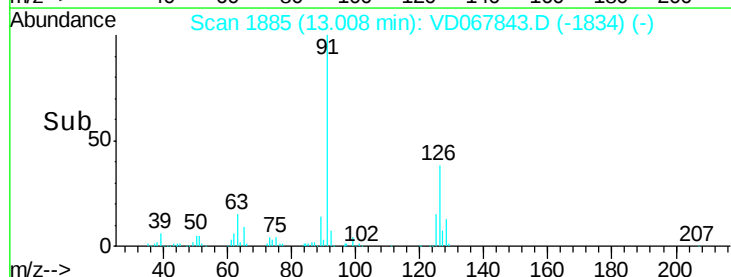
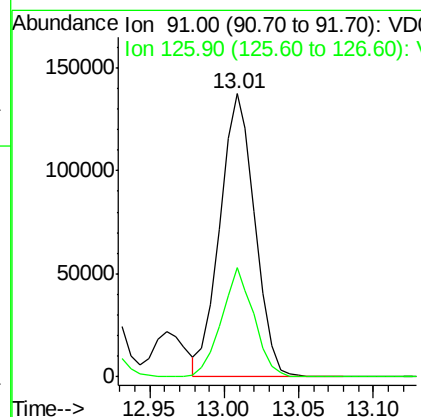
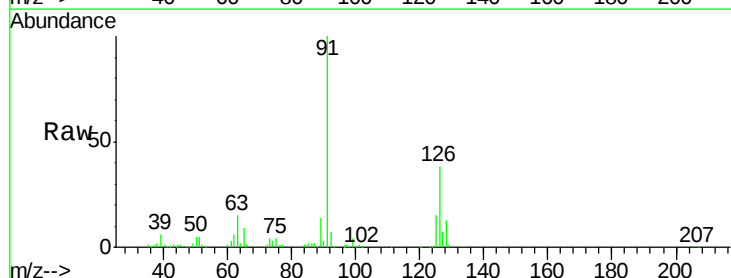
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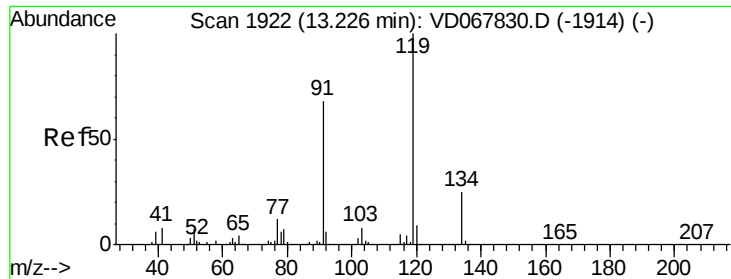
MMDadoda
12/3/2020 9:56:58 AM



#82
4-Chlorotoluene
Concen: 47.419 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.1	54.4





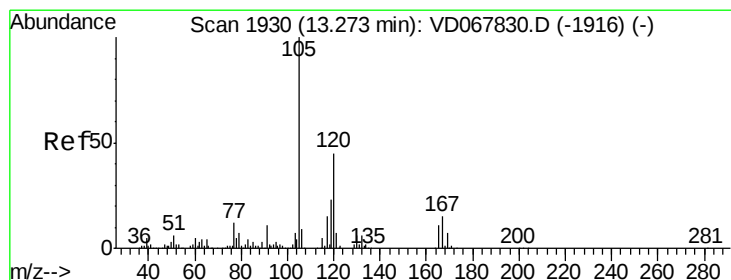
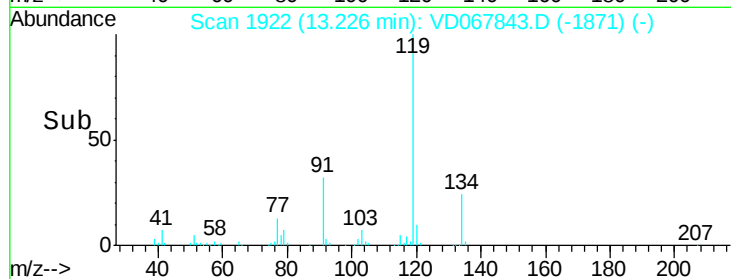
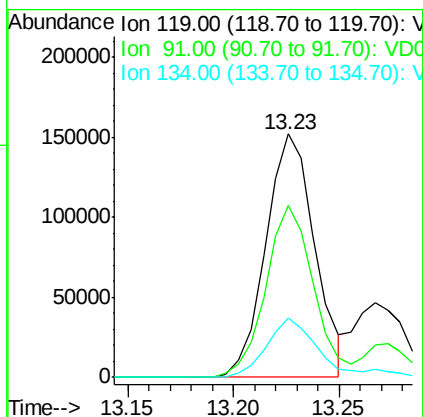
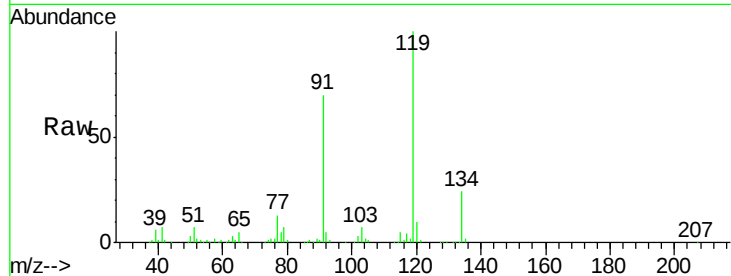
#83
 tert-Butylbenzene
 Concen: 48.804 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	33.1	99.3
134	24.8	13.6	40.8

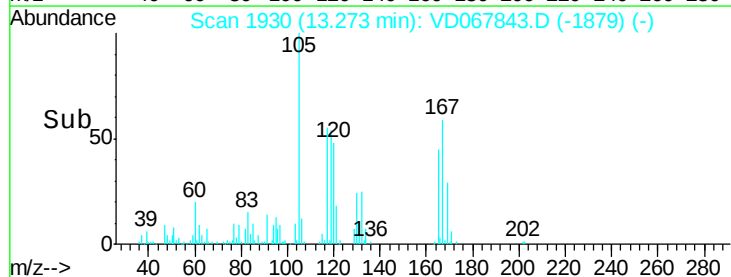
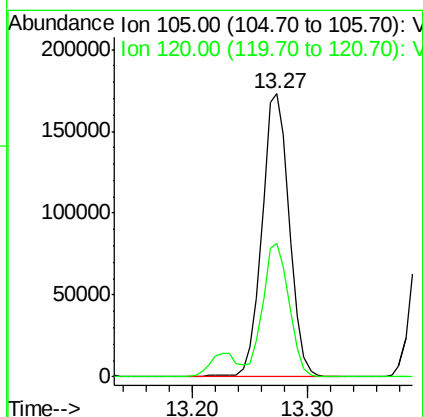
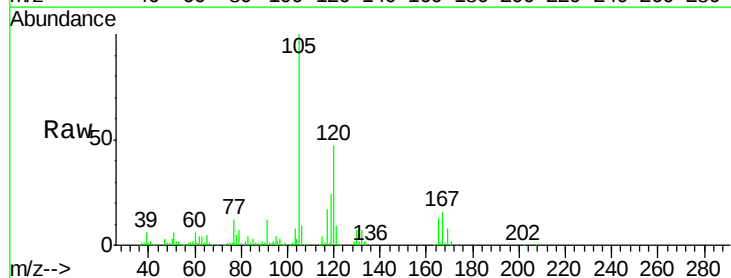
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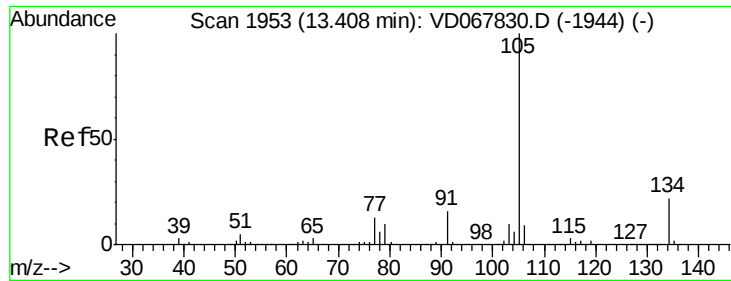
MMDadoda
 12/3/2020 9:56:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.704 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.1	66.5





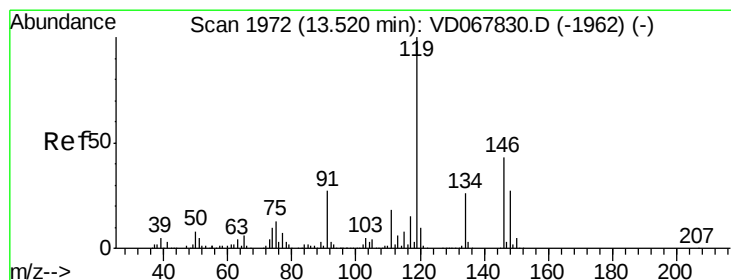
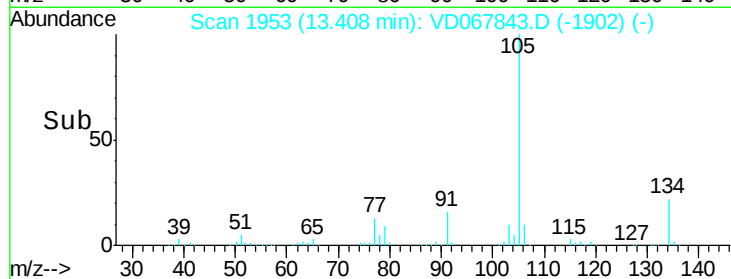
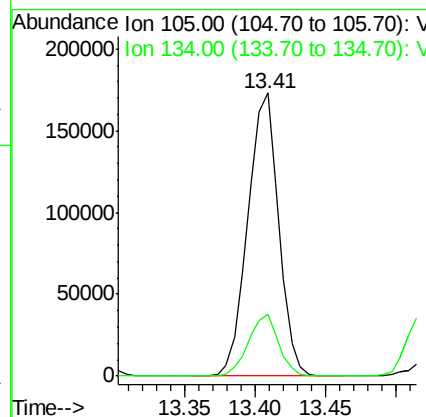
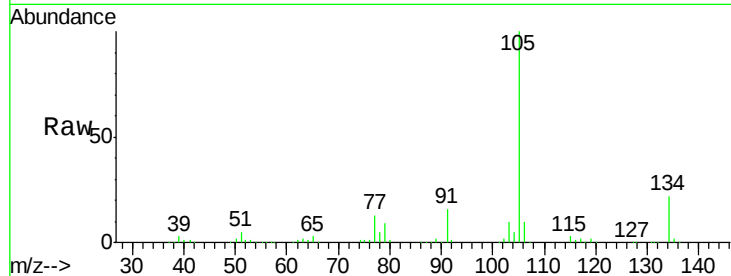
#85
 sec-Butylbenzene
 Concen: 39.669 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.9	32.9

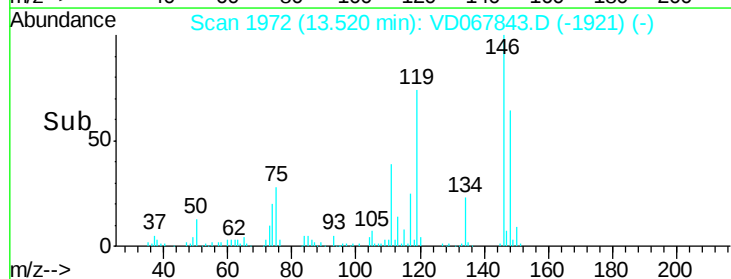
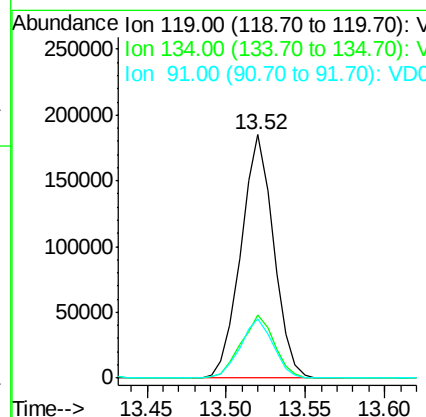
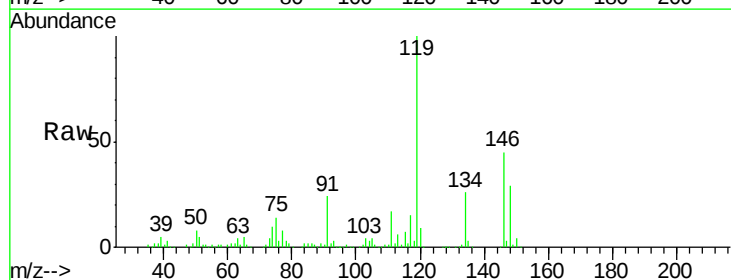
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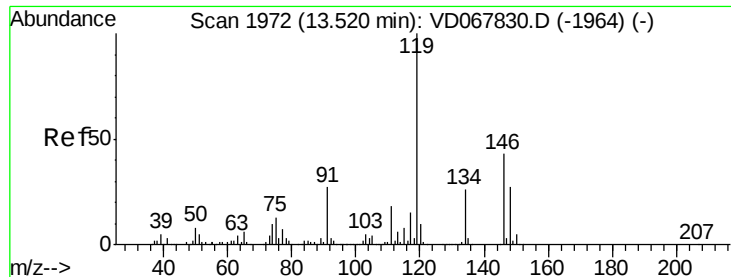
MMDadoda
 12/3/2020 9:56:58 AM



#86
 p-Isopropyltoluene
 Concen: 40.346 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.3
91	24.5	12.8	38.3





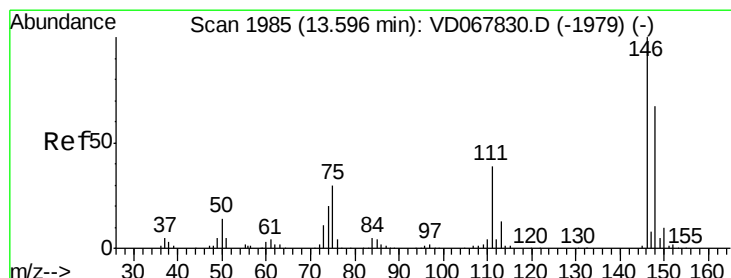
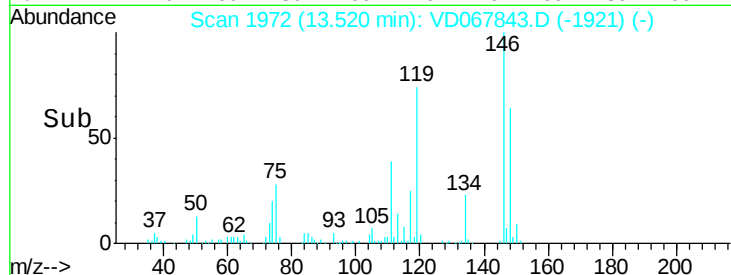
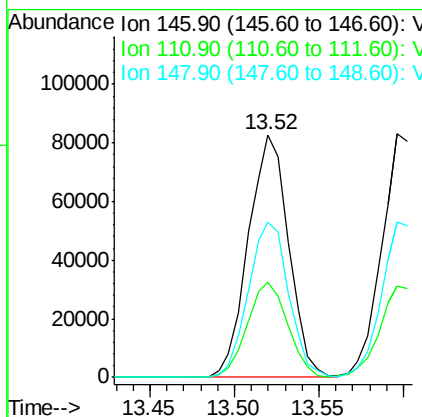
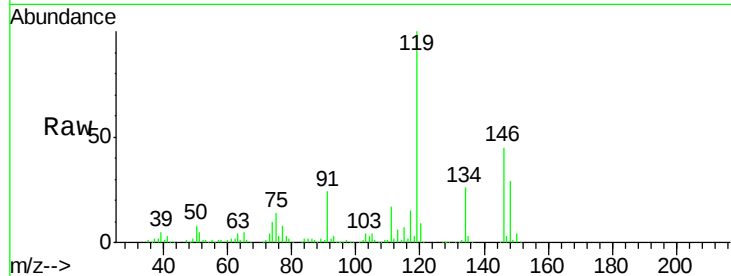
#87
 1,3-Dichlorobenzene
 Concen: 41.908 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.8	62.2
148	64.4	32.9	98.6

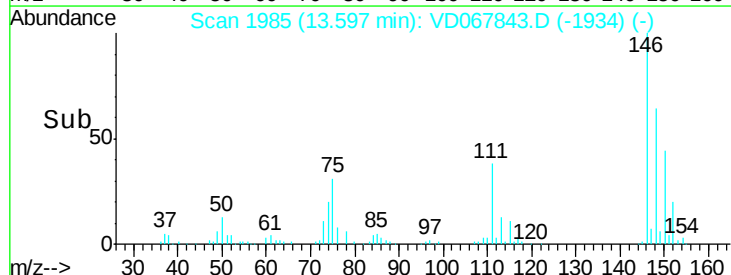
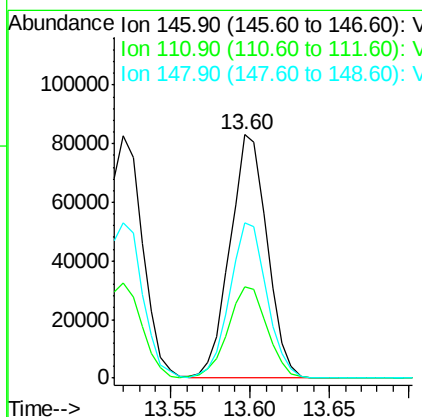
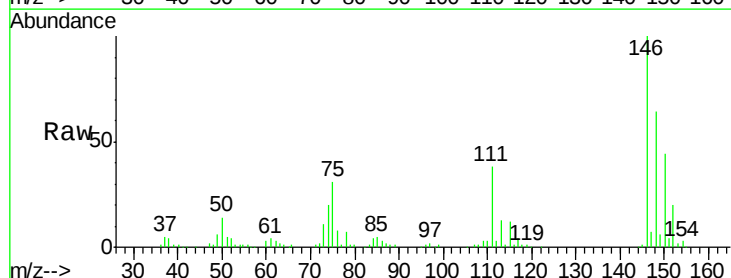
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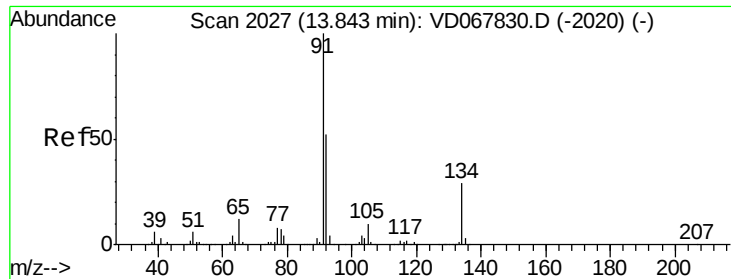
MMDadoda
 12/3/2020 9:56:58 AM



#88
 1,4-Dichlorobenzene
 Concen: 41.422 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.6
148	63.3	32.4	97.2





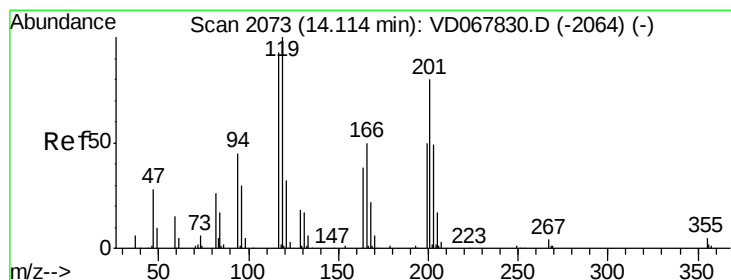
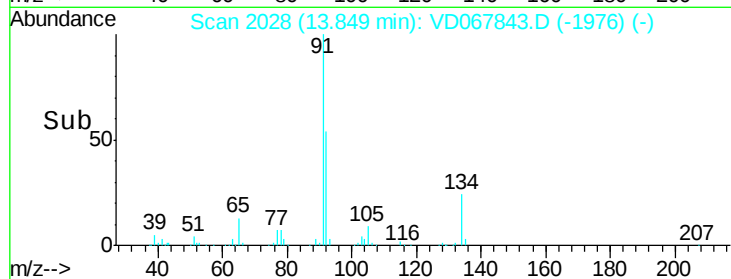
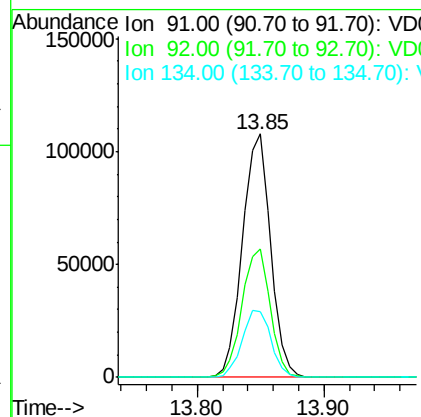
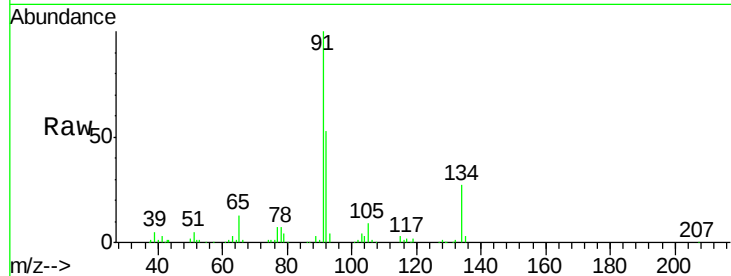
#89
n-Butylbenzene
Concen: 30.307 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.3	78.8
134	28.3	14.8	44.3

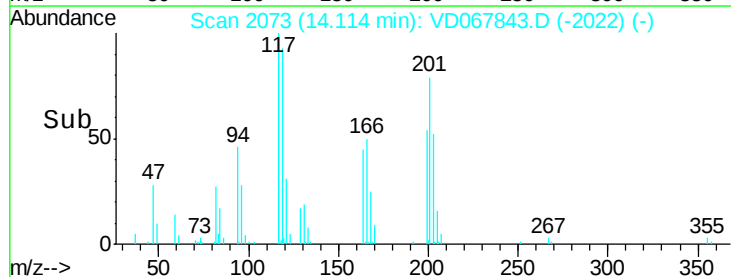
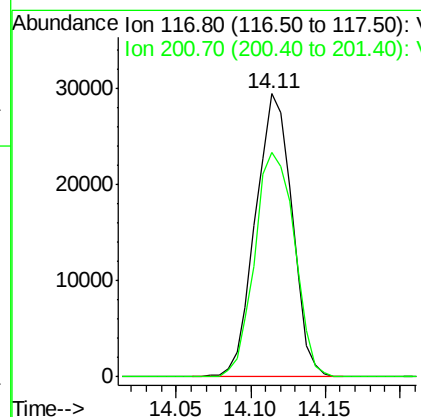
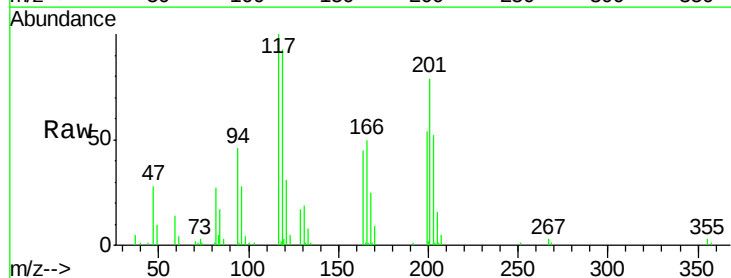
Manual Integrations
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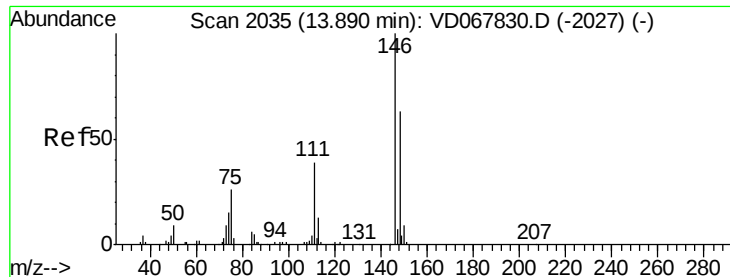
MMDadoda
12/3/2020 9:56:58 AM



#90
Hexachloroethane
Concen: 41.133 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.2	43.9	131.6





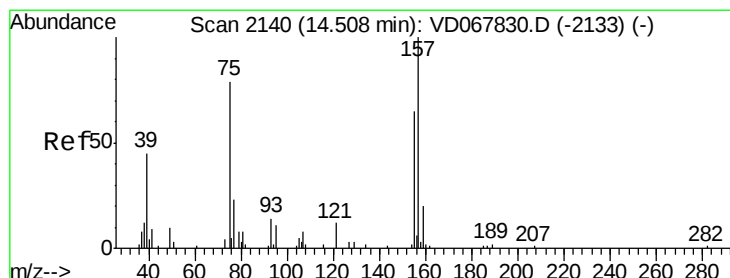
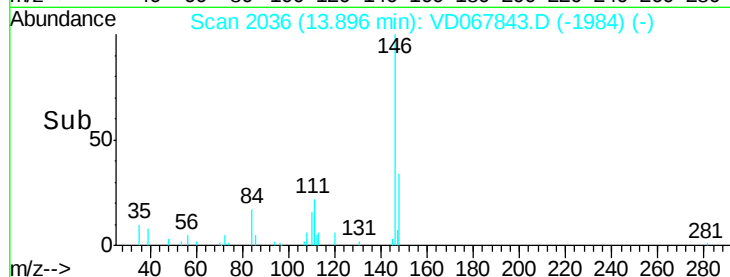
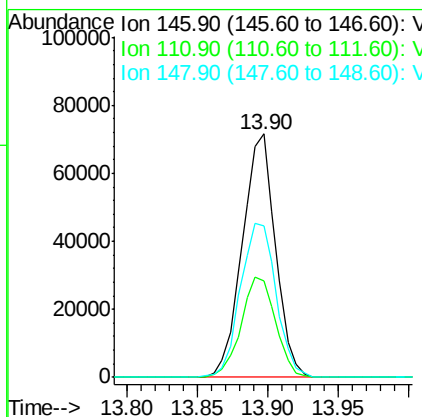
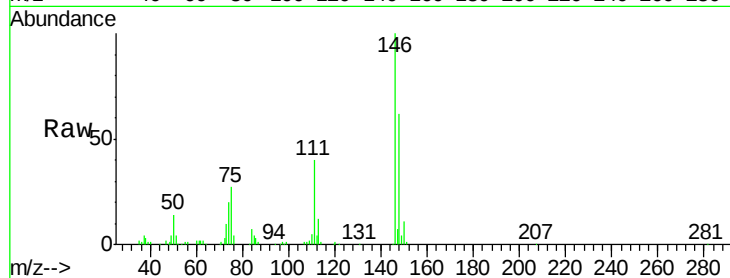
#91
 1,2-Dichlorobenzene
 Concen: 41.532 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.7	20.4	61.2
148	68.2	32.1	96.3

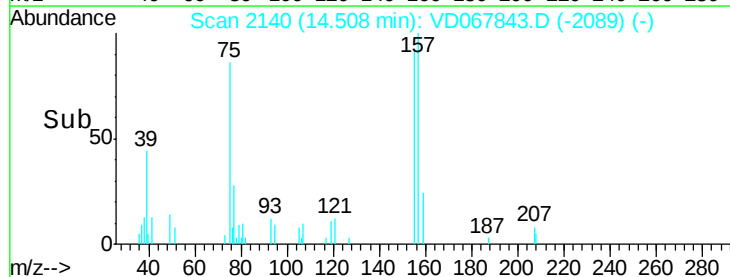
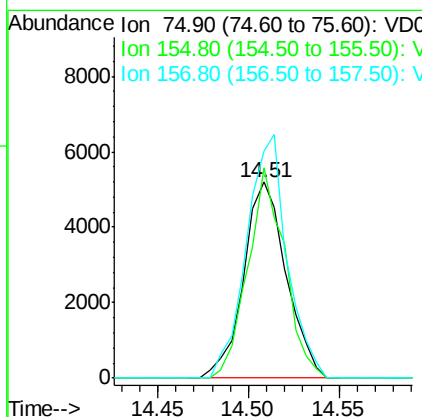
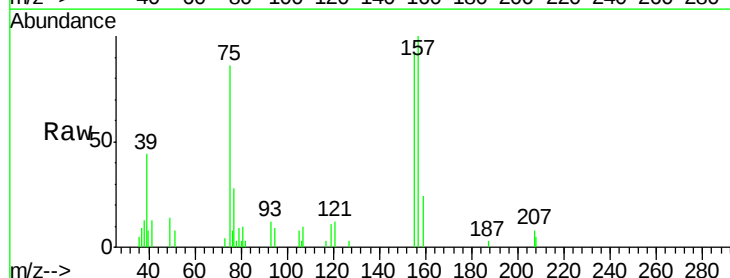
Manual Integrations
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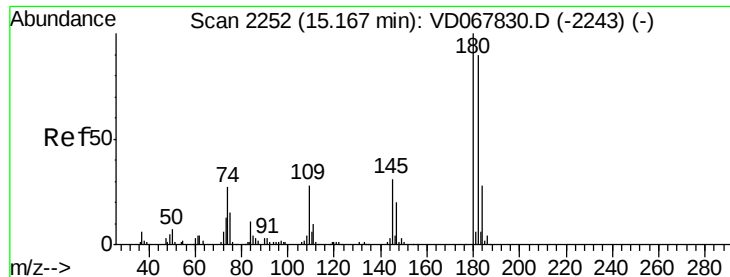
MMDadoda
 12/3/2020 9:56:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.439 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067843.D
 Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.5	44.1	132.4
157	117.9	62.4	187.2





#93

1,2,4-Trichlorobenzene

Concen: 25.521 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VD067843.D

Acq: 02 Dec 2020 18:41

Instrument :

MSVOA_D

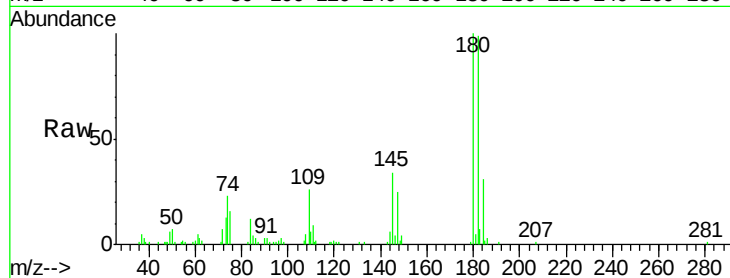
ClientSampleId :

KENS-B4-112320-0-2MSD

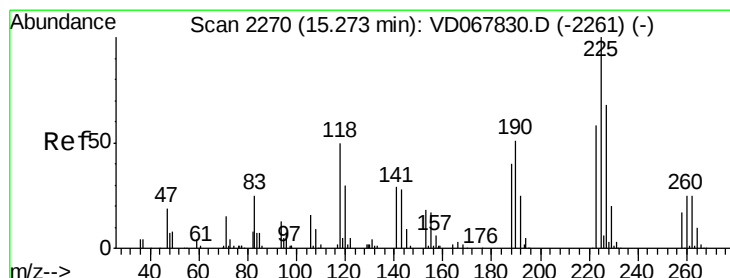
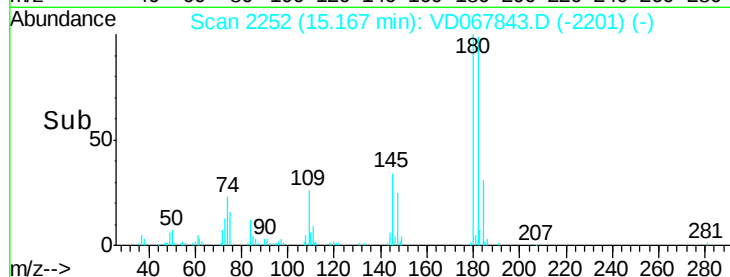
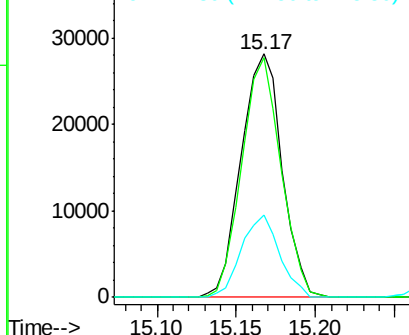
Tot Ion:	180	Resp:	50551
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.5	142.6
145	31.3	16.4	49.4

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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 15.681 ug/l

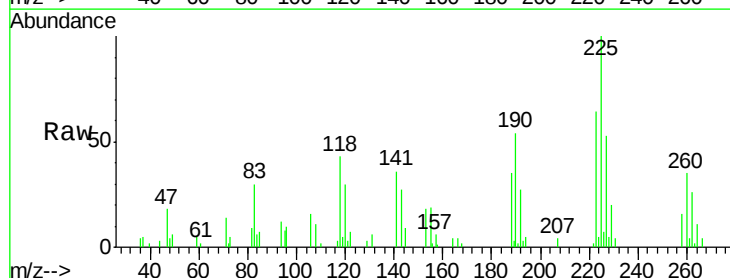
RT: 15.27 min Scan# 2270

Delta R.T. 0.00 min

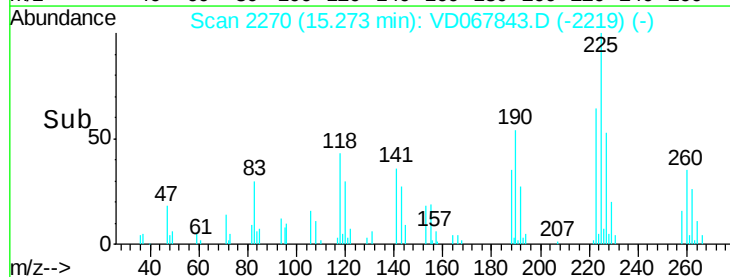
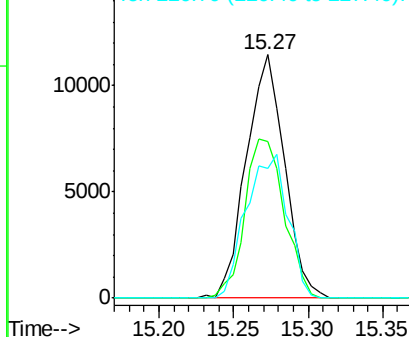
Lab File: VD067843.D

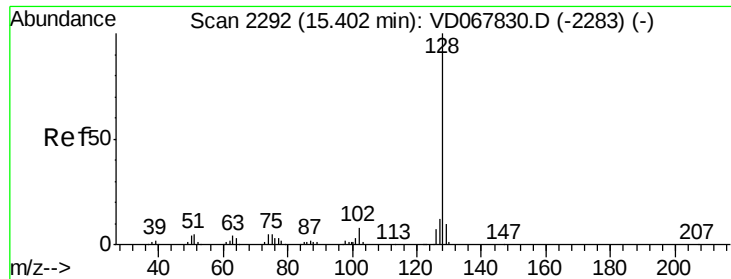
Acq: 02 Dec 2020 18:41

Tgt Ion:	225	Resp:	20268
Ion Ratio	Lower	Upper	
225	100		
223	67.5	31.1	93.3
227	65.0	33.1	99.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





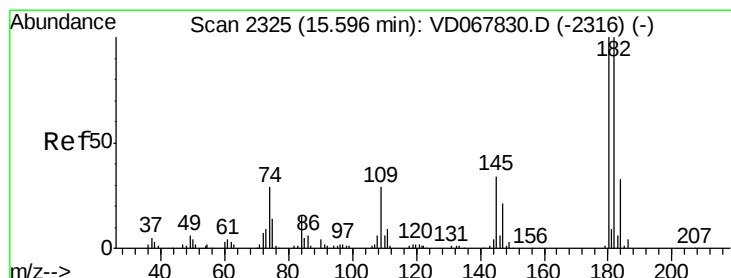
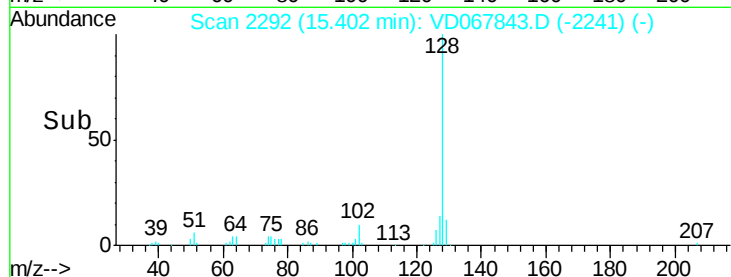
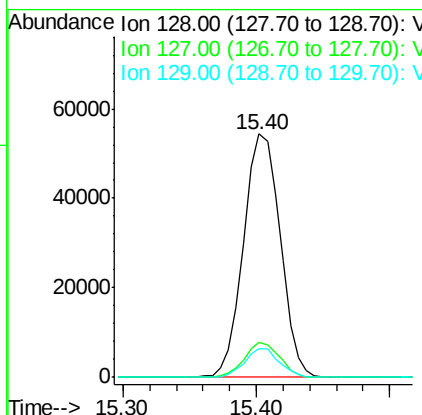
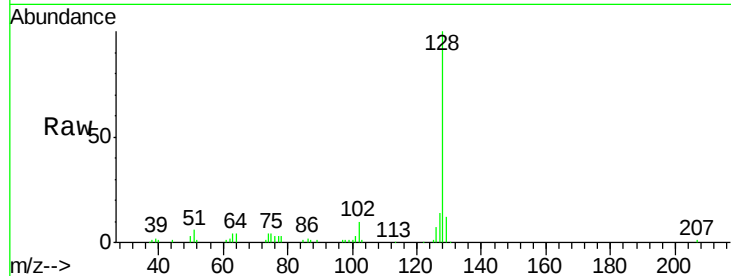
#95
Naphthalene
Concen: 32.190 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
KENS-B4-112320-0-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	103755		
127	13.8		10.6	15.8
129	11.1		9.0	13.6

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12/3/2020 9:56:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 23.732 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067843.D
Acq: 02 Dec 2020 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	40596		
182	94.4		47.3	142.0
145	34.9		16.8	50.4

