

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067842.D
 Acq On : 02 Dec 2020 18:15
 Operator : VA/SY
 Sample : L4880-03MS
 Misc : 4.39G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 9:56:51 AM

Quant Time: Dec 03 01:57:19 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	7.98	168	132534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	200489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	181204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	82015	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	91925	64.61	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.22%
35) Dibromofluoromethane	7.92	113	75433	56.23	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.46%
50) Toluene-d8	10.34	98	243970	50.52	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.04%
62) 4-Bromofluorobenzene	12.64	95	80212	48.04	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	96.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	59342	51.449	ug/l	98
3) Chloromethane	2.21	50	28880	43.386	ug/l	94
4) Vinyl Chloride	2.35	62	42453	50.639	ug/l	98
5) Bromomethane	2.78	94	53350	71.286	ug/l	97
6) Chloroethane	2.93	64	28407	52.044	ug/l #	88
7) Trichlorofluoromethane	3.28	101	121684	47.434	ug/l	92
8) Diethyl Ether	3.71	74	30023	60.046	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	52910	45.231	ug/l	98
10) Methyl Iodide	4.30	142	38308	30.896	ug/l	99
11) Tert butyl alcohol	5.20	59	23251m	338.042	ug/l	
12) 1,1-Dichloroethene	4.07	96	54006	49.175	ug/l	89
13) Acrolein	3.93	56	4717	86.271	ug/l #	58
14) Allyl chloride	4.72	41	54134	53.282	ug/l	97
15) Acrylonitrile	5.42	53	55832	322.037	ug/l	99
16) Acetone	4.16	43	49485	281.460	ug/l	98
17) Carbon Disulfide	4.41	76	141553	46.165	ug/l	98
18) Methyl Acetate	4.71	43	73408	225.028	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	159847	67.972	ug/l	98
20) Methylene Chloride	4.97	84	72217	64.611	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	63117	50.505	ug/l	92
22) Diisopropyl ether	6.36	45	124755	61.052	ug/l	96
23) Vinyl Acetate	6.36	43	133149m	117.128	ug/l	
24) 1,1-Dichloroethane	6.27	63	100165	55.919	ug/l	99
25) 2-Butanone	7.22	43	58515	316.428	ug/l	92
26) 2,2-Dichloropropane	7.21	77	105751	49.509	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	75554	55.274	ug/l	97
28) Bromochloromethane	7.55	49	37773	66.418	ug/l	94
29) Tetrahydrofuran	7.57	42	36697	348.523	ug/l	96
30) Chloroform	7.71	83	129454	54.079	ug/l	98
31) Cyclohexane	7.99	56	55701	37.158	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	124357	49.213	ug/l	99
36) 1,1-Dichloropropene	8.11	75	76442	44.043	ug/l	98
37) Ethyl Acetate	7.30	43	11615	24.830	ug/l #	80
38) Carbon Tetrachloride	8.10	117	117926	44.906	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	59343	28.852	ug/l	96
40) Benzene	8.36	78	236287	49.754	ug/l	99
41) Methacrylonitrile	7.52	41	13581	62.233	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	97929	57.856	ug/l	98
43) Isopropyl Acetate	8.46	43	31690	34.431	ug/l #	58
44) Trichloroethene	9.11	130	72429	44.358	ug/l	99
45) 1,2-Dichloropropane	9.39	63	51261	52.590	ug/l #	88
46) Dibromomethane	9.48	93	39251	57.917	ug/l	95
47) Bromodichloromethane	9.67	83	103641	53.643	ug/l	99
48) Methyl methacrylate	9.46	41	32906	70.408	ug/l	98
49) 1,4-Dioxane	9.47	88	9469	1222.774	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	132365	303.857	ug/l	99
52) Toluene	10.41	92	158162	47.634	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	91049	54.599	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	100050	55.158	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	52535	56.644	ug/l	93
56) Ethyl methacrylate	10.66	69	26247	27.815	ug/l #	71
57) 1,3-Dichloropropane	10.95	76	83502	56.838	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	145195	338.145	ug/l	100
59) 2-Hexanone	10.98	43	83242	271.071	ug/l	98
60) Dibromochloromethane	11.14	129	79841	57.108	ug/l	99
61) 1,2-Dibromoethane	11.25	107	52356	57.405	ug/l	100
64) Tetrachloroethene	10.88	164	54673	36.990	ug/l	99
65) Chlorobenzene	11.67	112	172668	46.181	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	78276	51.329	ug/l	95
67) Ethyl Benzene	11.75	91	273659	42.966	ug/l	99
68) m/p-Xylenes	11.86	106	215835	85.940	ug/l	98
69) o-Xylene	12.18	106	103037	46.213	ug/l	100
70) Styrene	12.20	104	174966	45.130	ug/l	99
71) Bromoform	12.37	173	46053	57.051	ug/l #	96
73) Isopropylbenzene	12.48	105	244204	43.297	ug/l	99
74) N-amyl acetate	12.29	43	19261	27.608	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	48810	65.549	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	30934m	51.793	ug/l	
77) Bromobenzene	12.77	156	72854	51.957	ug/l	96
78) n-propylbenzene	12.83	91	244985	39.190	ug/l	99
79) 2-Chlorotoluene	12.91	91	152979	41.598	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	205333	42.048	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	14564	58.331	ug/l	93
82) 4-Chlorotoluene	13.01	91	163451	41.665	ug/l	99
83) tert-Butylbenzene	13.23	119	158478	38.137	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	207290	42.688	ug/l	97
85) sec-Butylbenzene	13.40	105	173962	31.365	ug/l	99
86) p-Isopropyltoluene	13.52	119	174089	32.027	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	102383	37.852	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	107066	39.566	ug/l	99
89) n-Butylbenzene	13.85	91	110175	24.397	ug/l	99
90) Hexachloroethane	14.11	117	33142	33.024	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	98252	41.883	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10309	66.336	ug/l	87

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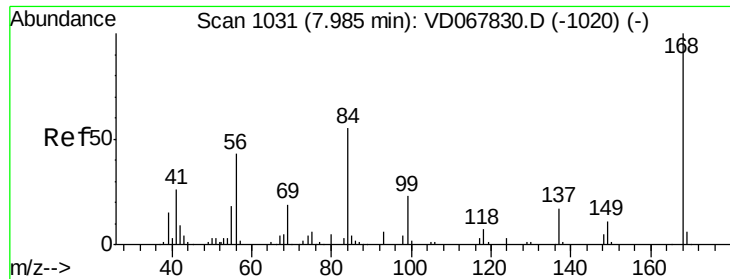
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	43484	26.499	ug/l	95
94) Hexachlorobutadiene	15.27	225	14044	13.116	ug/l	96
95) Naphthalene	15.41	128	104107	38.989	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	36633	25.851	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion:168 Resp: 132534

Ion Ratio Lower Upper

168 100

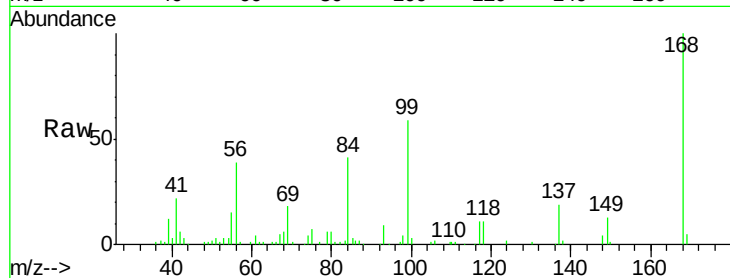
99 59.0 47.1 70.7

Manual Integrations

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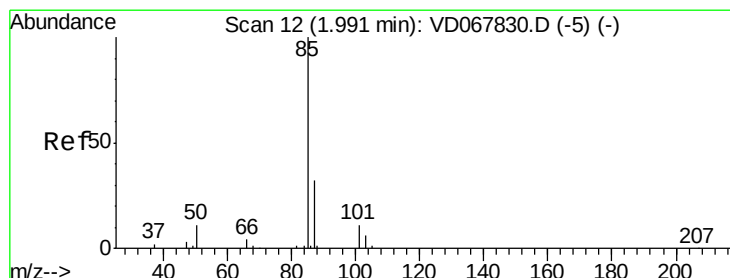
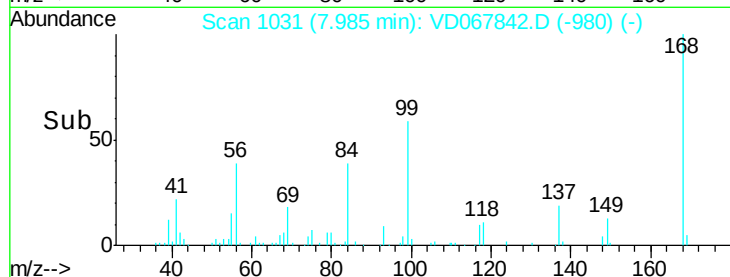
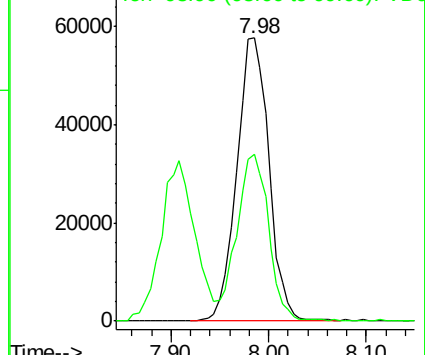
MMDadoda

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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: 51.449 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067842.D

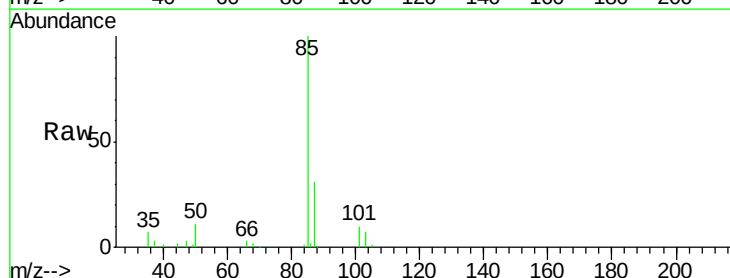
Acq: 02 Dec 2020 18:15

Tgt Ion: 85 Resp: 59342

Ion Ratio Lower Upper

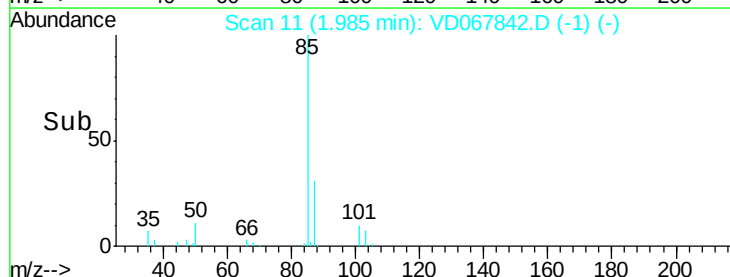
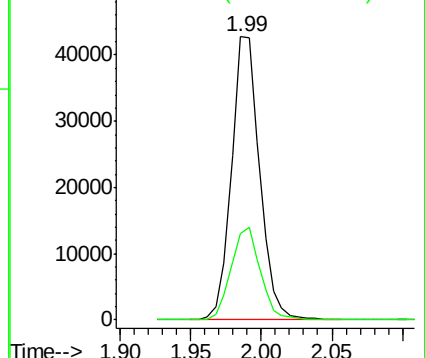
85 100

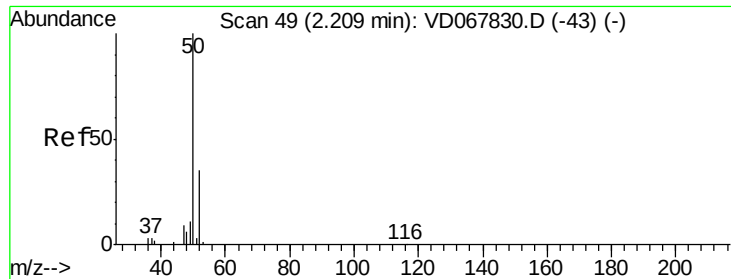
87 30.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.386 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion: 50 Resp: 28880

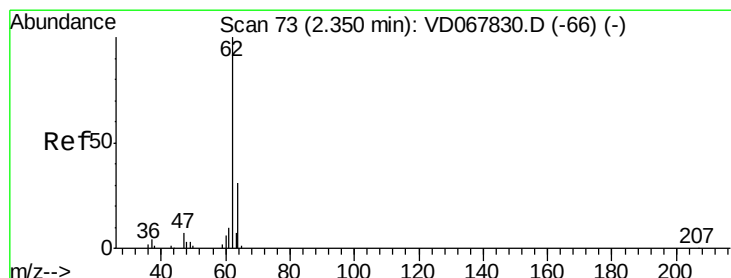
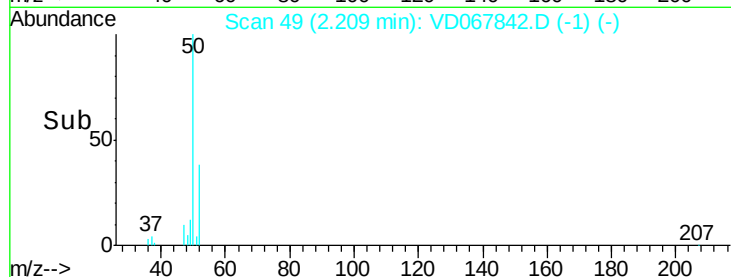
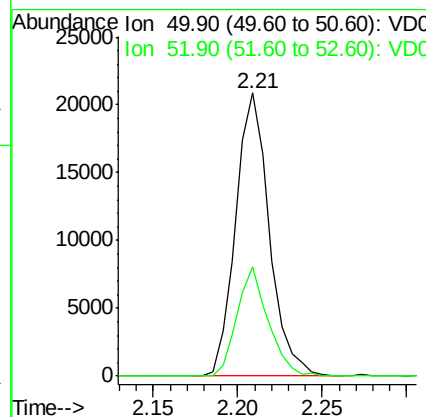
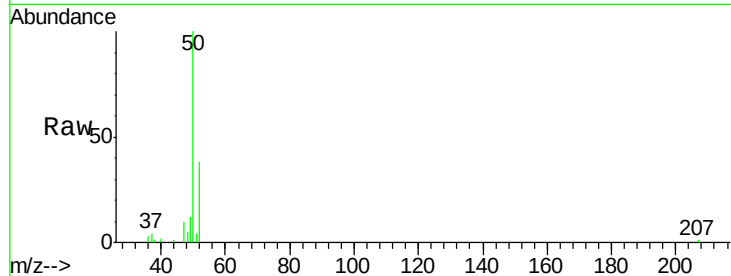
Ion Ratio Lower Upper

50 100

52 38.5 27.8 41.6

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#4

Vinyl Chloride

Concen: 50.639 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067842.D

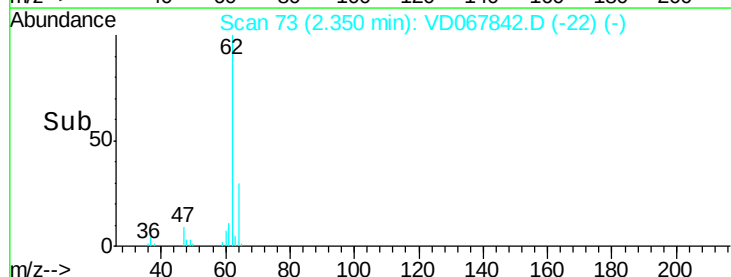
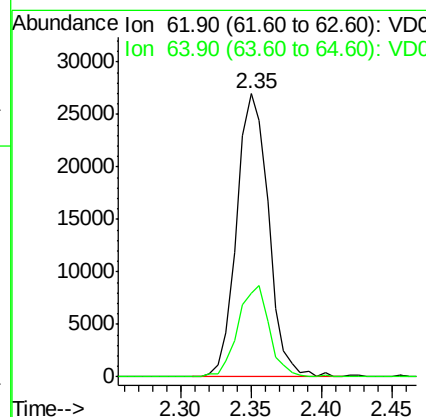
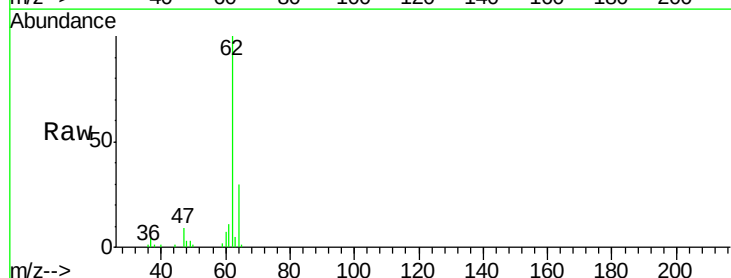
Acq: 02 Dec 2020 18:15

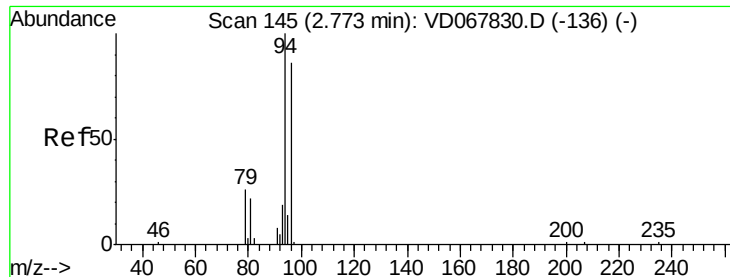
Tgt Ion: 62 Resp: 42453

Ion Ratio Lower Upper

62 100

64 29.6 24.5 36.7





#5

Bromomethane

Concen: 71.286 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

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Tot Ion: 94 Resp: 53350

Ion Ratio Lower Upper

94 100

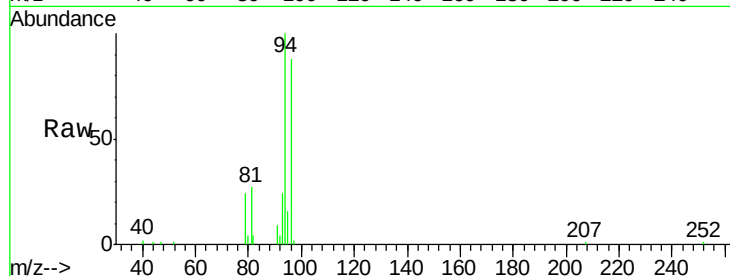
96 88.3 68.7 103.1

Manual Integrations

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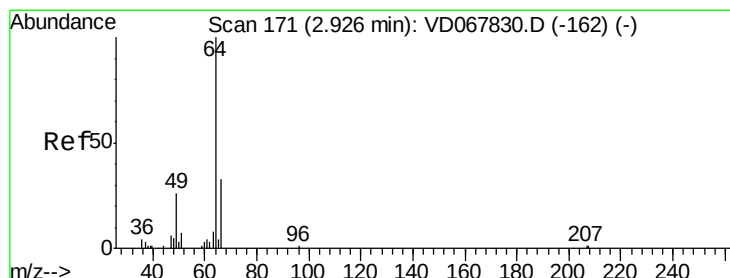
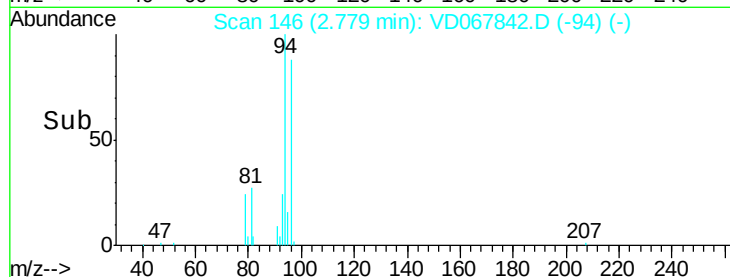
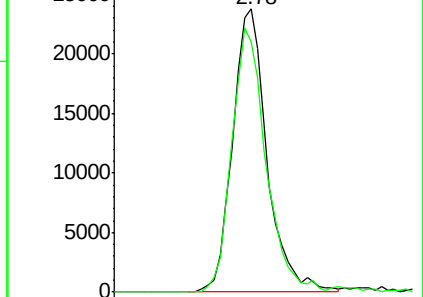
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.044 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD067842.D

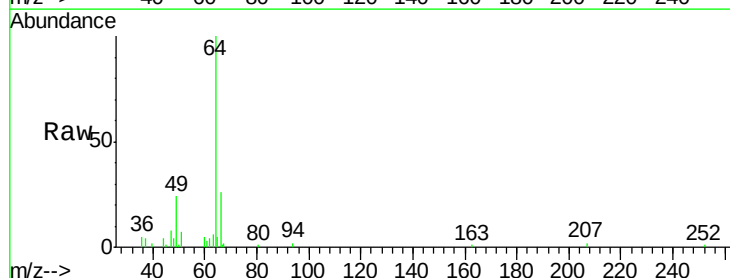
Acq: 02 Dec 2020 18:15

Tgt Ion: 64 Resp: 28407

Ion Ratio Lower Upper

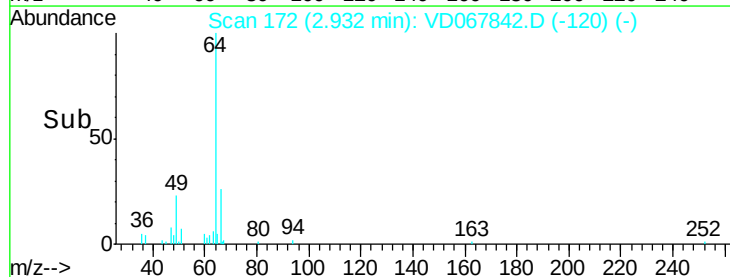
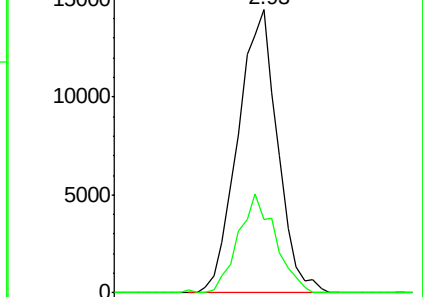
64 100

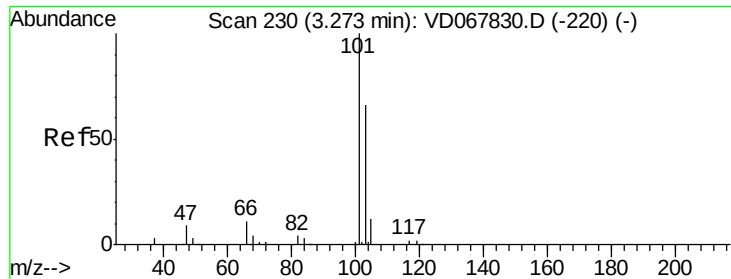
66 25.9 26.1 39.1#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

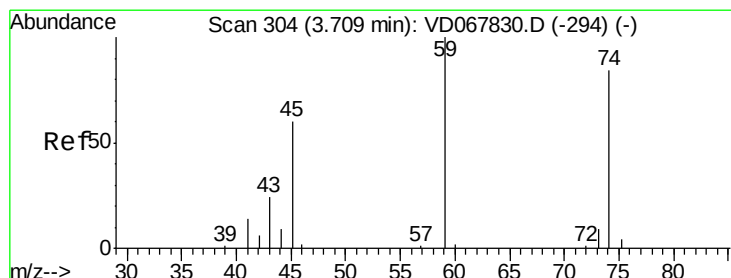
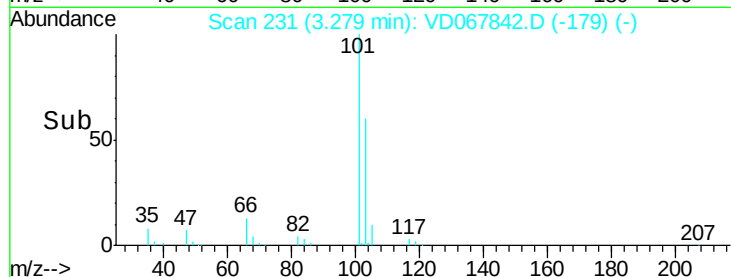
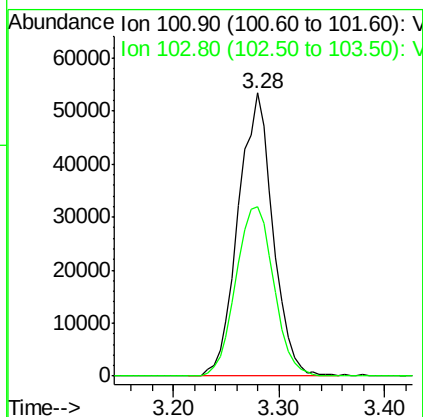
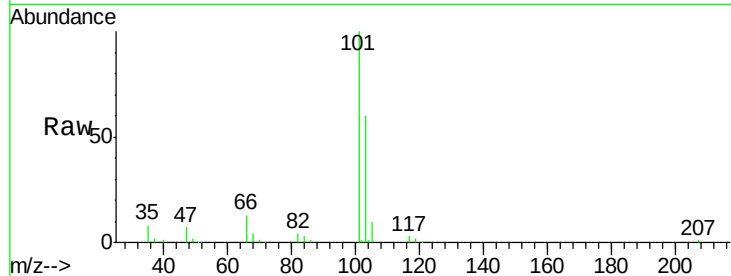
Trichlorofluoromethane
 Concen: 47.434 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	53.0	79.6

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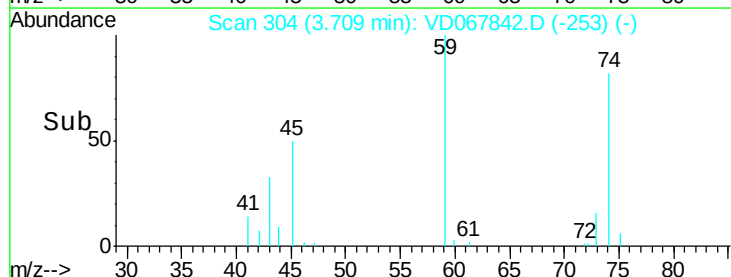
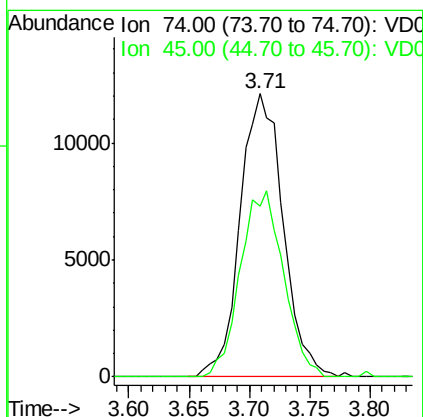
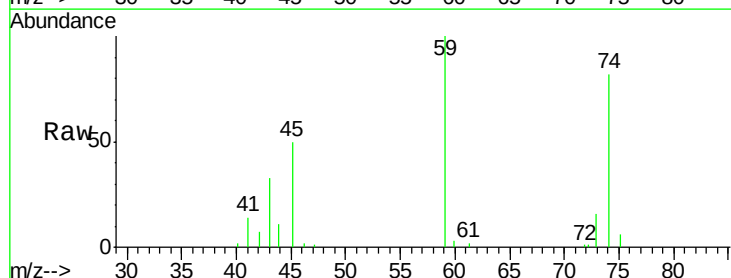
MMDadoda
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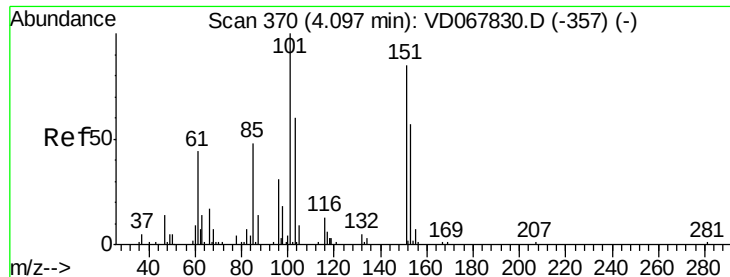


#8

Diethyl Ether
 Concen: 60.046 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	66.0	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.231 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

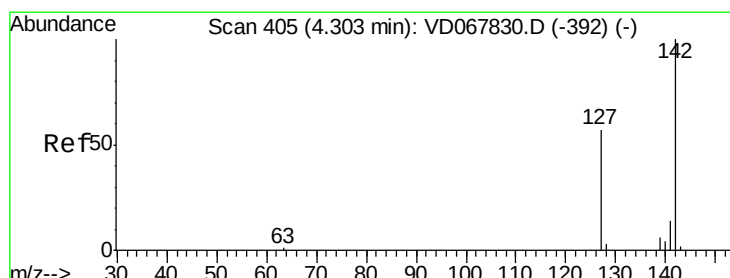
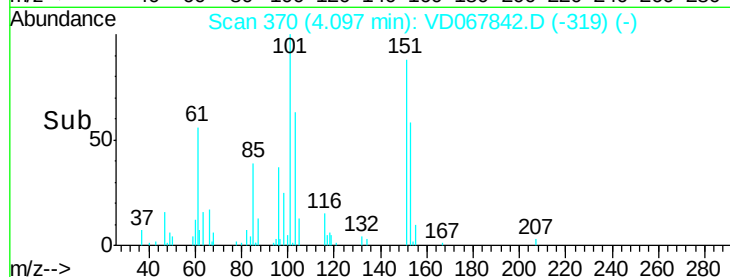
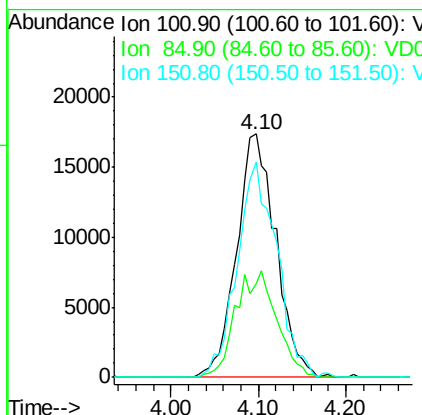
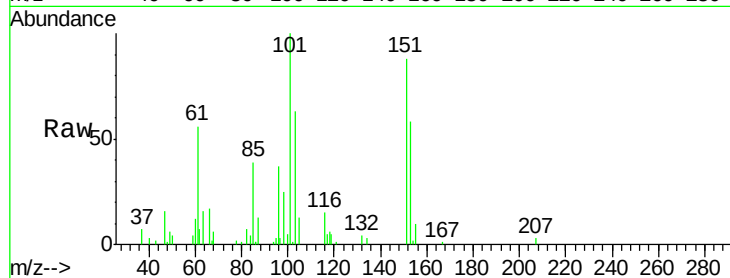
ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion:	101	Resp:	52910
Ion Ratio	Lower	Upper	
101	100		
85	45.8	36.2	54.4
151	88.9	69.4	104.2

Manual Integrations
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12/3/2020 9:56:51 AM



#10

Methyl Iodide

Concen: 30.896 ug/l

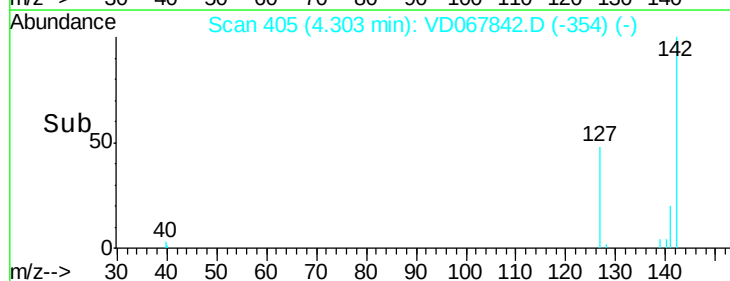
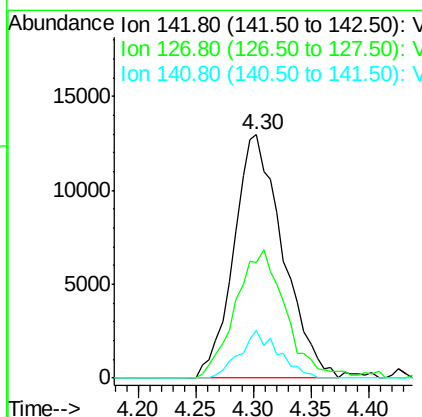
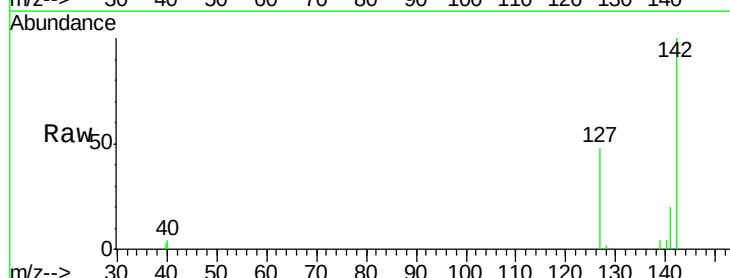
RT: 4.30 min Scan# 405

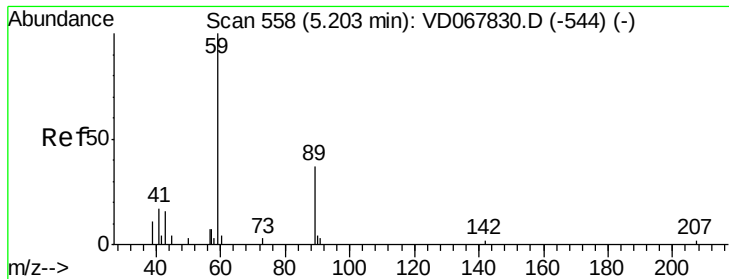
Delta R.T. 0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Tgt Ion:	142	Resp:	38308
Ion Ratio	Lower	Upper	
142	100		
127	54.2	43.9	65.9
141	15.5	12.2	18.2





#11

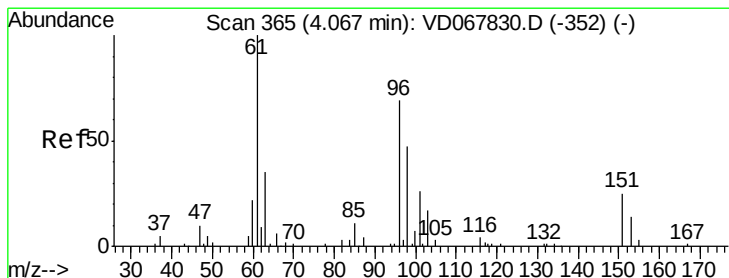
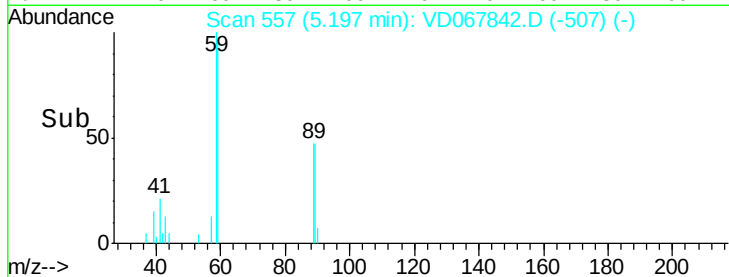
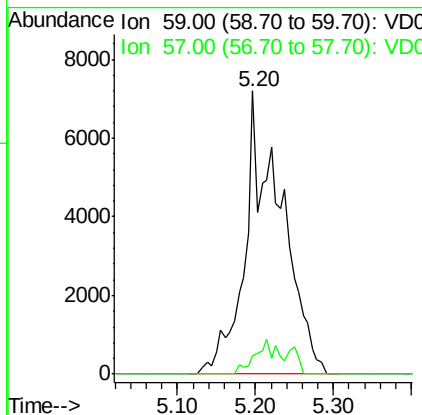
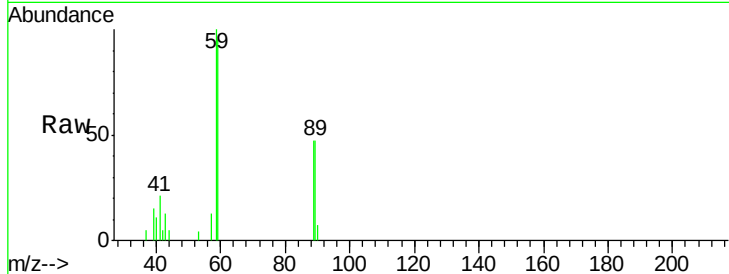
Tert butyl alcohol
Concen: 338.042 ug/l m
RT: 5.20 min Scan# 557
Delta R.T. -0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

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

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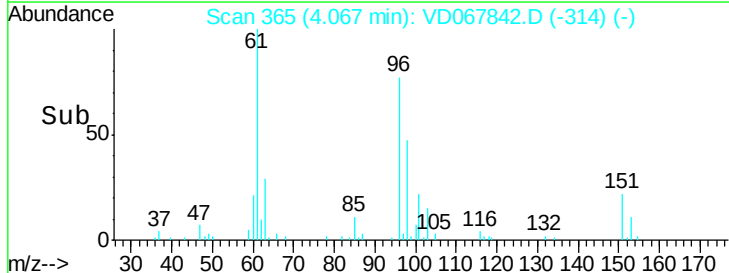
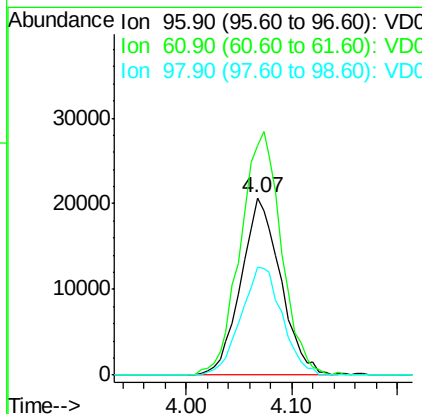
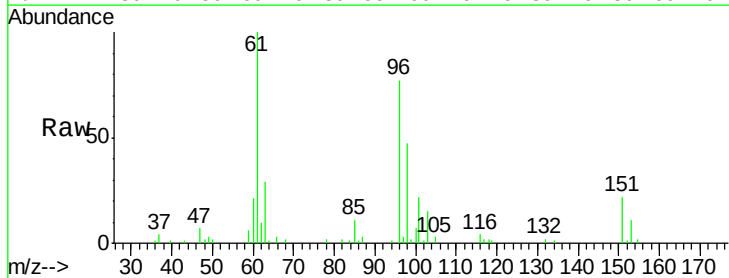
MMDadoda
12/3/2020 9:56:51 AM

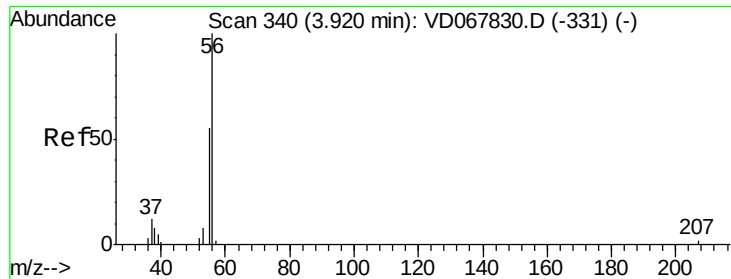


#12

1,1-Dichloroethene
Concen: 49.175 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.7	116.1	174.1
98	60.6	54.6	82.0





#13

Acrolein

Concen: 86.271 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion: 56 Resp: 4717

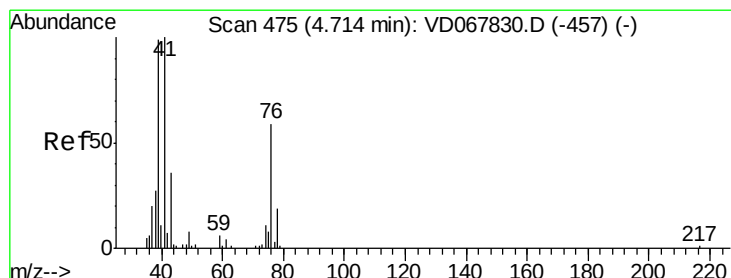
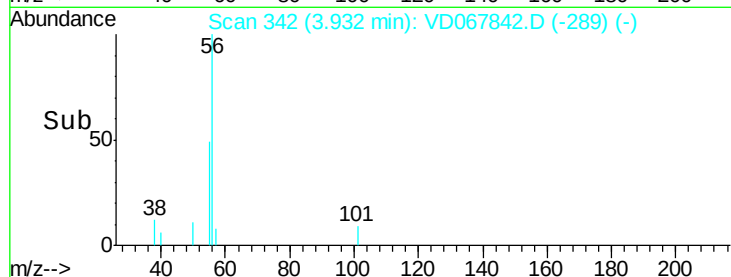
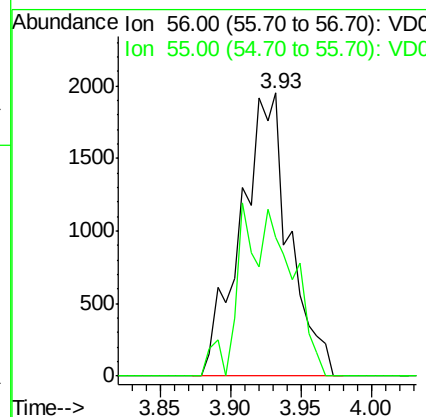
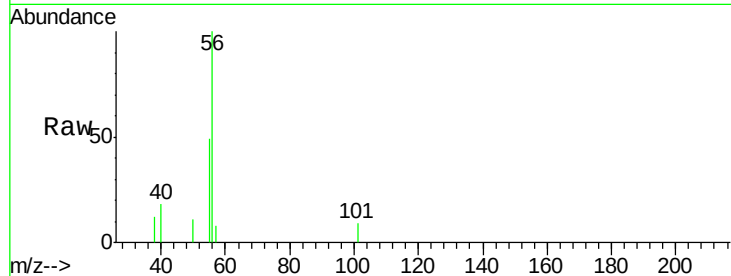
Ion Ratio Lower Upper

56 100

55 36.2 56.5 84.7#

Manual Integrations
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12/3/2020 9:56:51 AM



#14

Allyl chloride

Concen: 53.282 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

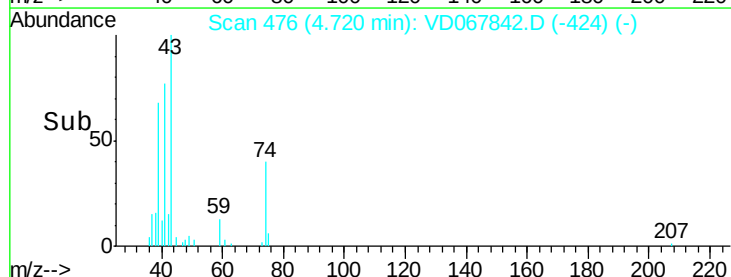
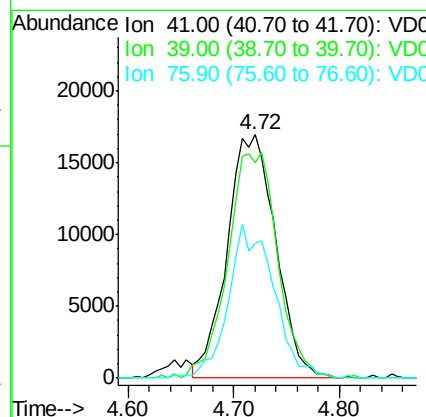
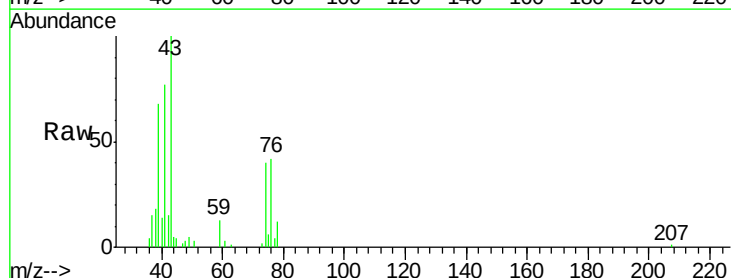
Tgt Ion: 41 Resp: 54134

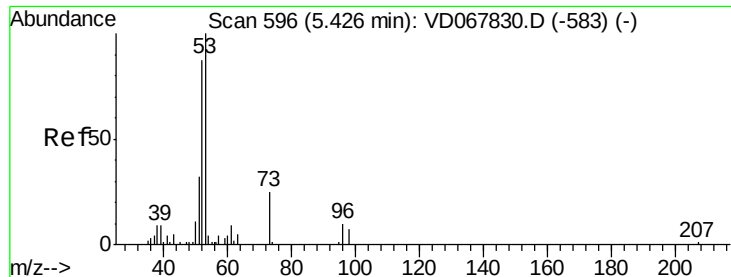
Ion Ratio Lower Upper

41 100

39 95.0 79.0 118.6

76 58.9 46.6 70.0





#15

Acrylonitrile

Concen: 322.037 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

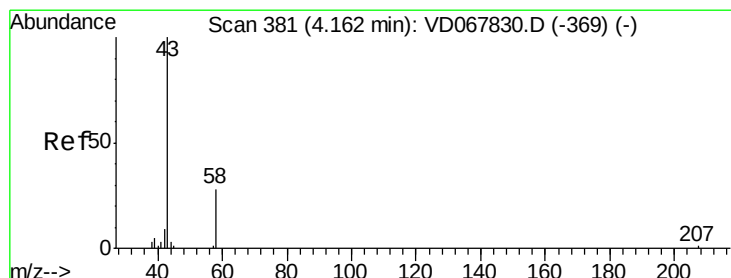
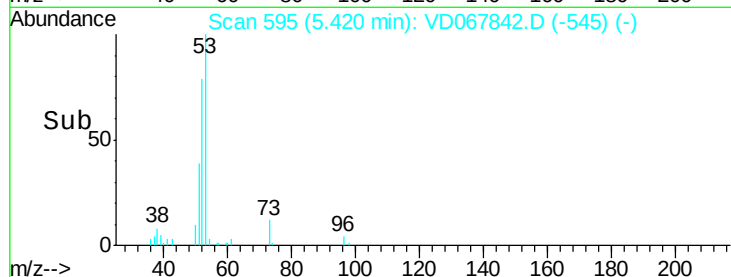
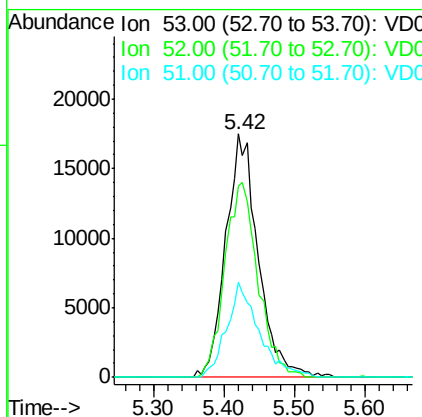
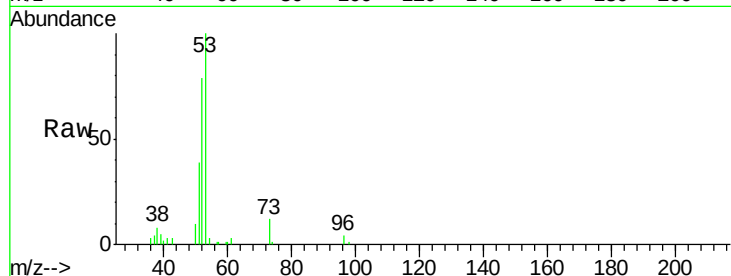
ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion:	53	Resp:	55832
Ion Ratio	Lower	Upper	
53	100		
52	81.6	66.2	99.2
51	39.2	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 281.460 ug/l

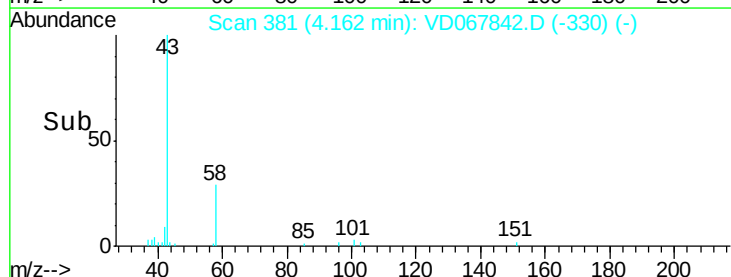
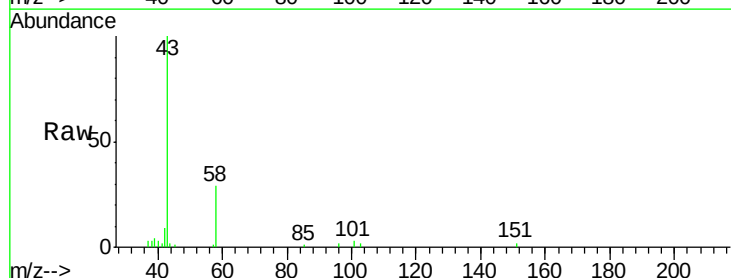
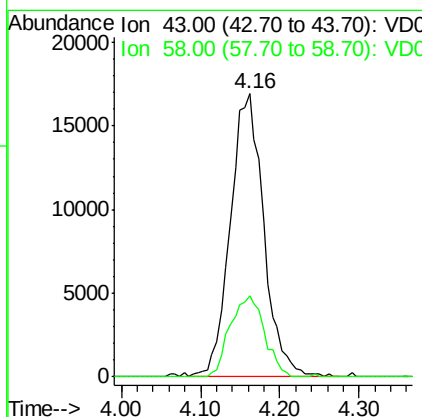
RT: 4.16 min Scan# 381

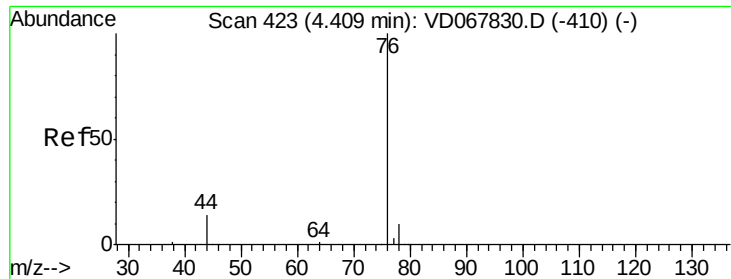
Delta R.T. 0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Tgt Ion:	43	Resp:	49485
Ion Ratio	Lower	Upper	
43	100		
58	28.7	21.9	32.9





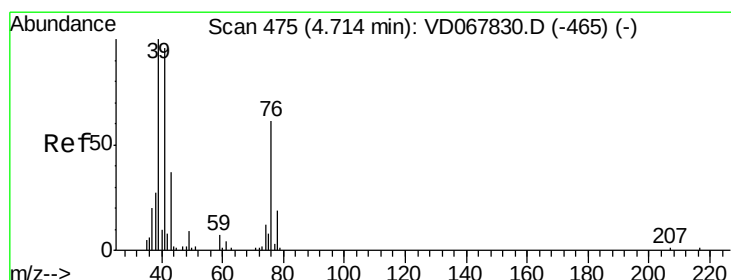
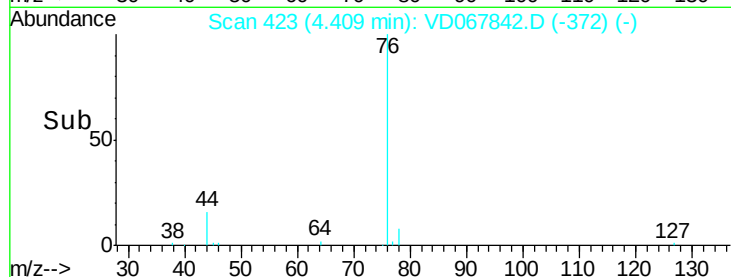
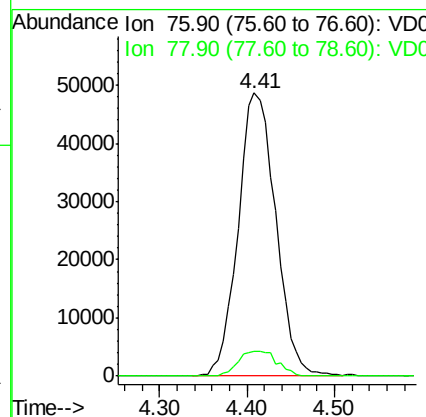
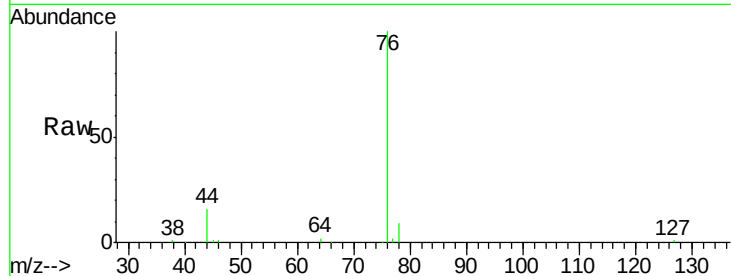
#17
Carbon Disulfide
Concen: 46.165 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.8	11.6

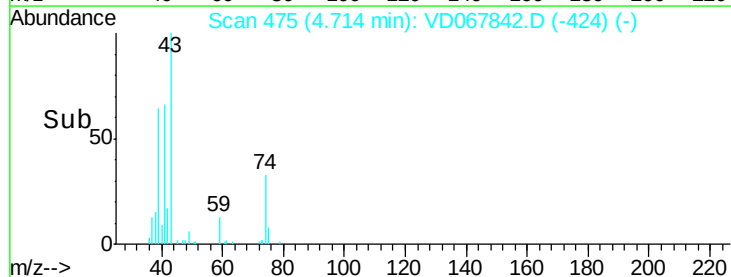
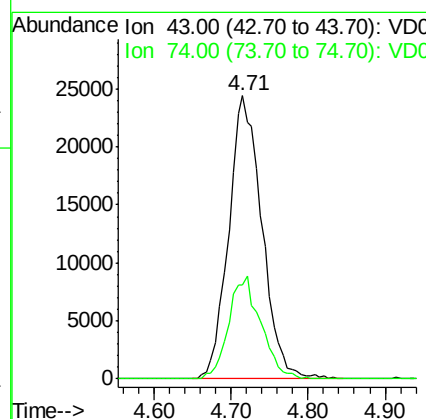
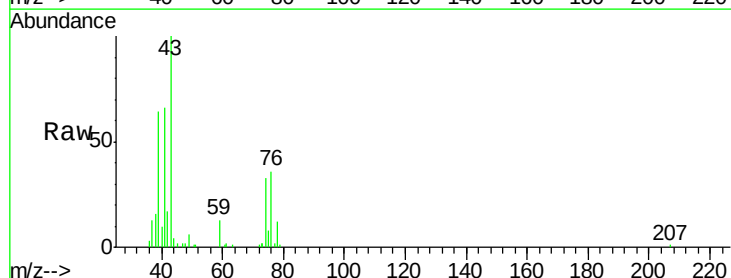
Manual Integrations
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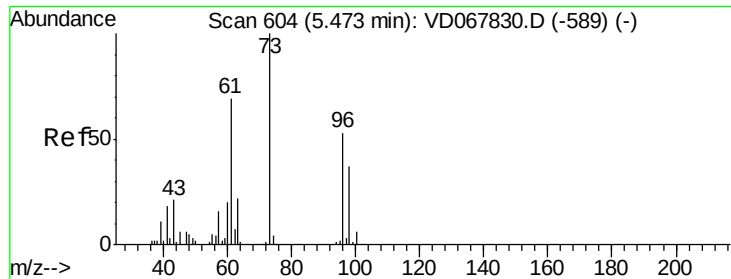
MMDadoda
12/3/2020 9:56:51 AM



#18
Methyl Acetate
Concen: 225.028 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	35.0	27.0	40.4





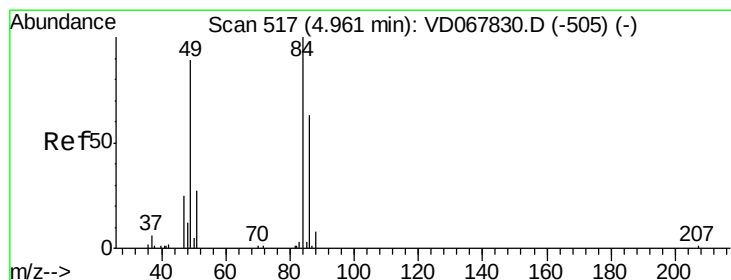
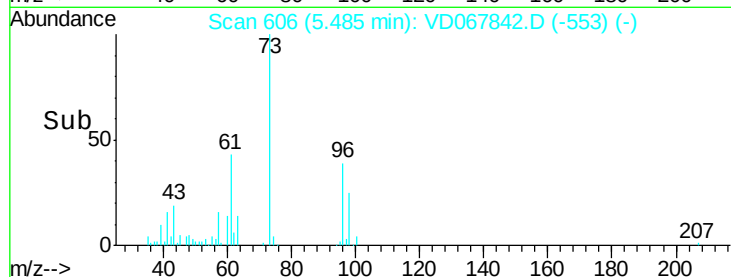
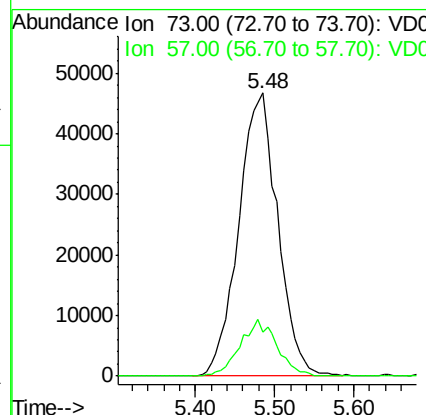
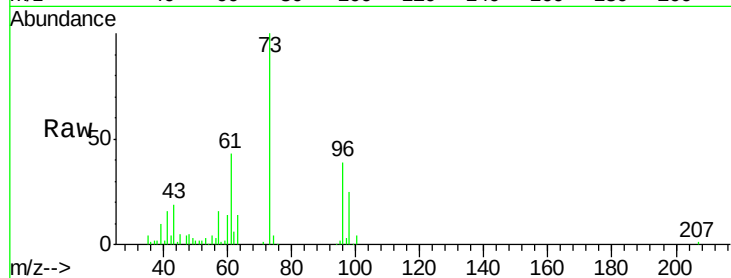
#19
Methyl tert-butyl Ether
Concen: 67.972 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion: 73 Resp: 159847
Ion Ratio Lower Upper
73 100
57 15.7 13.2 19.8

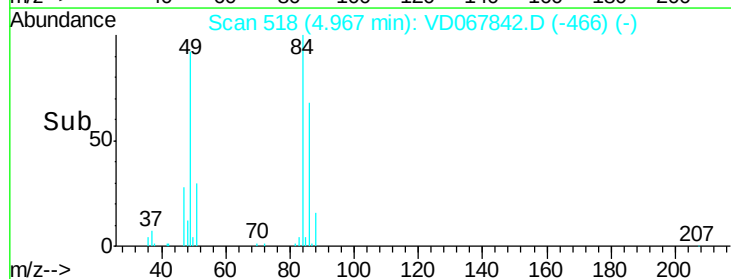
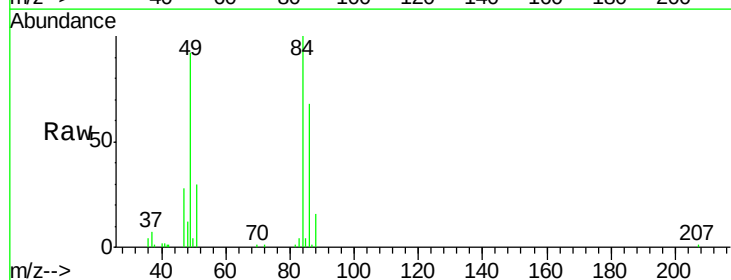
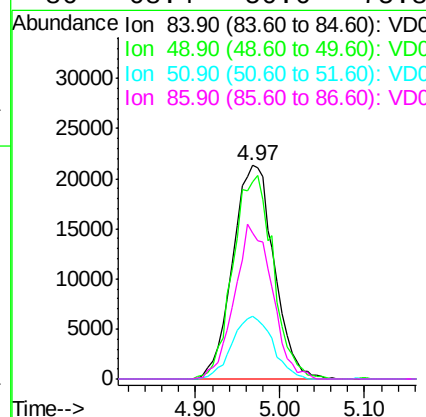
Manual Integrations
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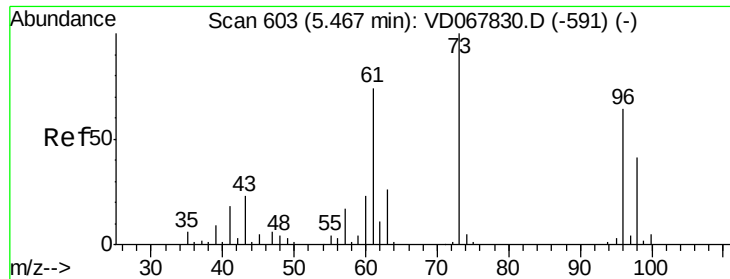
MMDadoda
12/3/2020 9:56:51 AM



#20
Methylene Chloride
Concen: 64.611 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion: 84 Resp: 72217
Ion Ratio Lower Upper
84 100
49 92.1 71.4 107.0
51 29.6 21.8 32.8
86 68.4 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 50.505 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

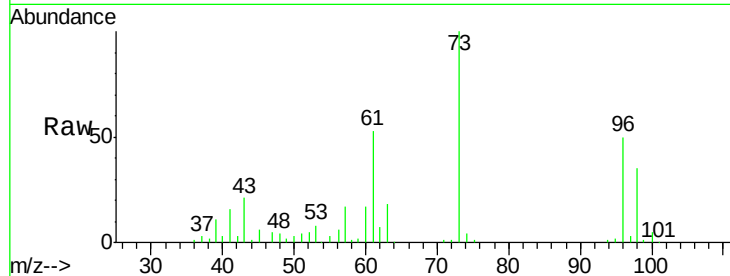
ClientSampleId :

KENS-B4-112320-0-2MS

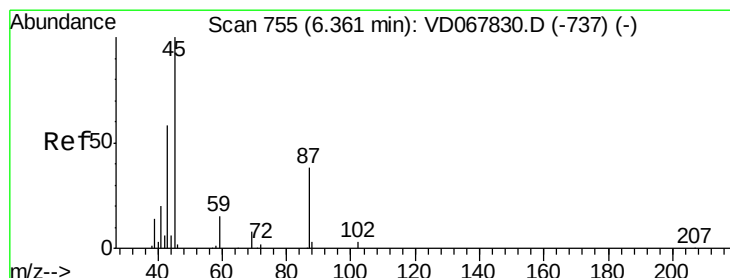
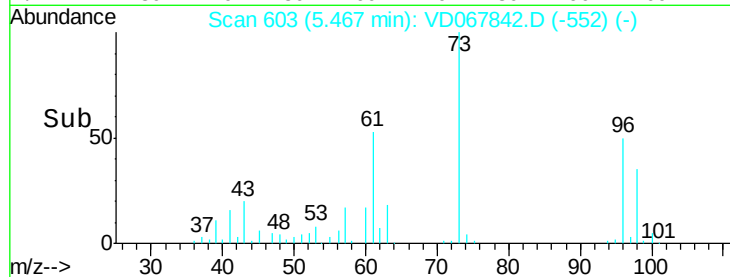
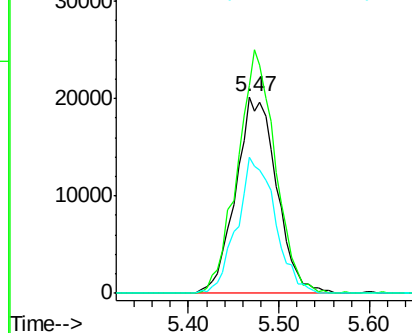
Tot Ion:	96	Resp:	63117
Ion	Ratio	Lower	Upper
96	100		
61	105.4	93.1	139.7
98	69.1	52.2	78.2

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 61.052 ug/l

RT: 6.36 min Scan# 755

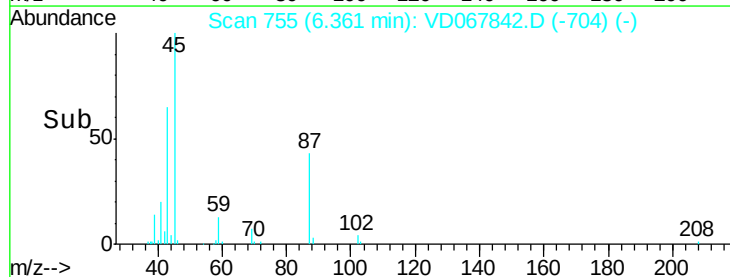
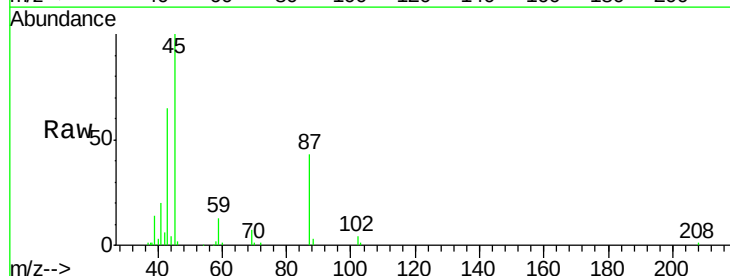
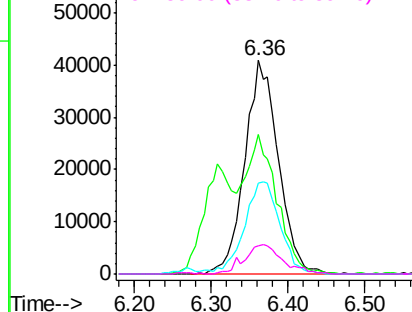
Delta R.T. 0.00 min

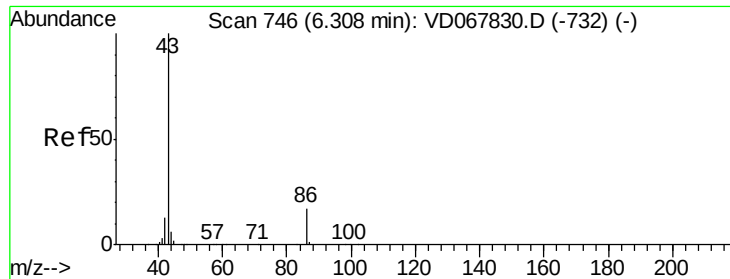
Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Tgt Ion:	45	Resp:	124755
Ion	Ratio	Lower	Upper
45	100		
43	65.0	49.8	74.6
87	42.5	32.1	48.1
59	13.1	11.9	17.9

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 117.128 ug/l m

RT: 6.36 min Scan# 755

Delta R.T. 0.05 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion: 43 Resp: 133149

Ion Ratio Lower Upper

43 100

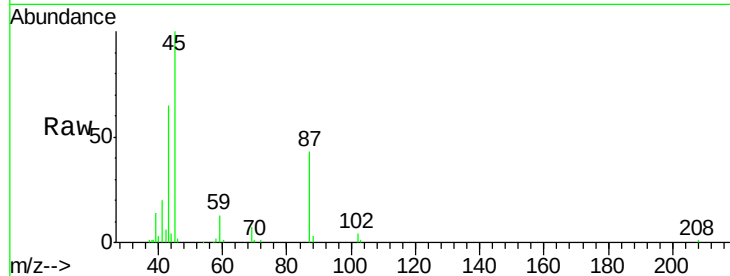
86 0.0 13.8 20.6#

Manual Integrations

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MMDadoda

12/3/2020 9:56:51 AM

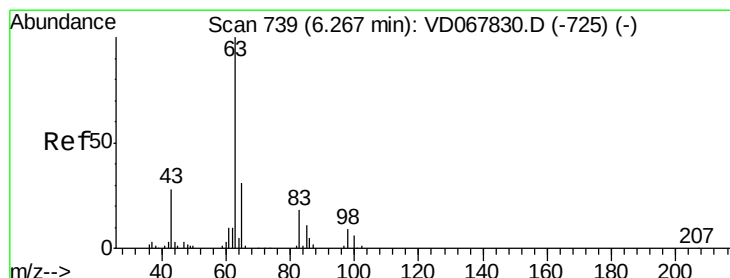
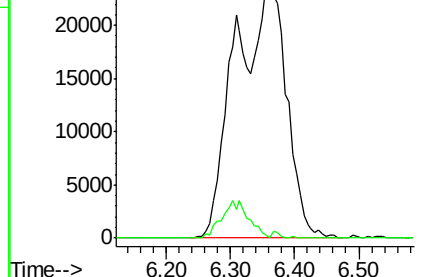
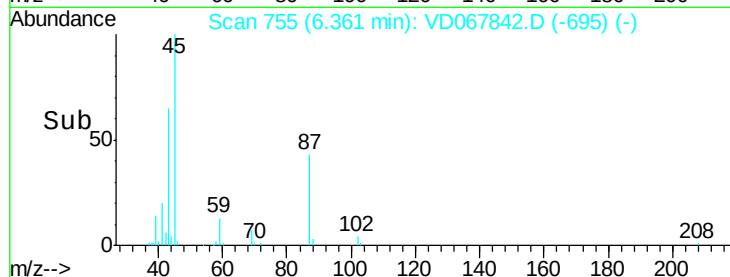


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.36

Time-->



#24

1,1-Dichloroethane

Concen: 55.919 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

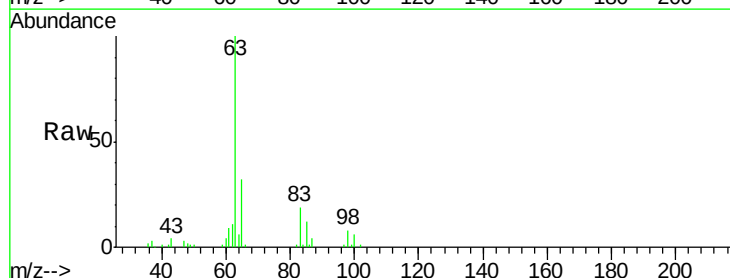
Tgt Ion: 63 Resp: 100165

Ion Ratio Lower Upper

63 100

98 8.2 4.5 13.5

100 6.0 3.0 9.2



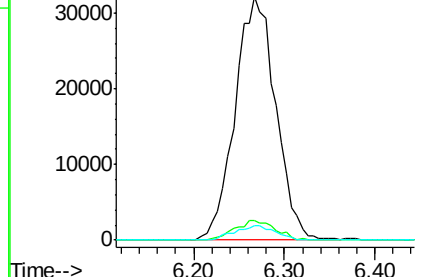
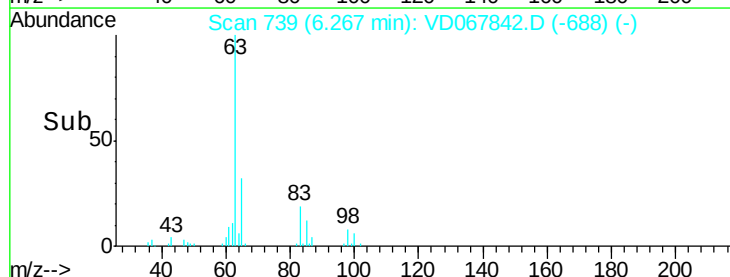
Abundance Ion 62.90 (62.60 to 63.60): VDC

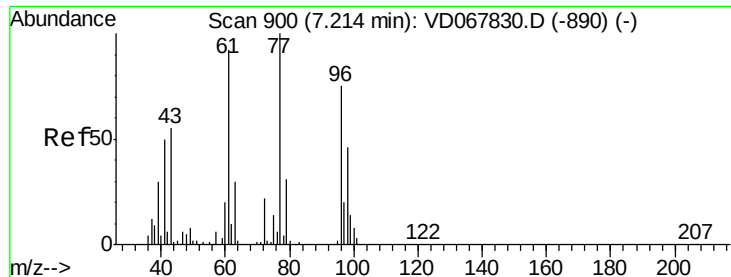
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

Time-->





#25

2-Butanone

Concen: 316.428 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion: 43 Resp: 58515

Ion Ratio Lower Upper

43 100

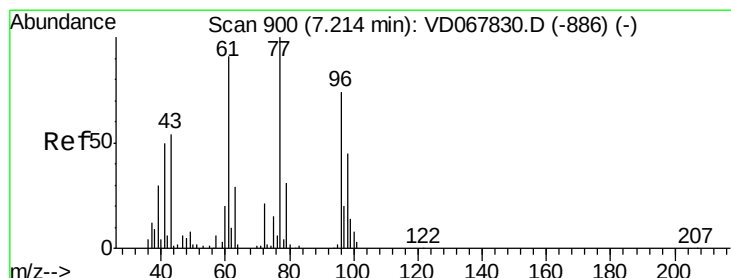
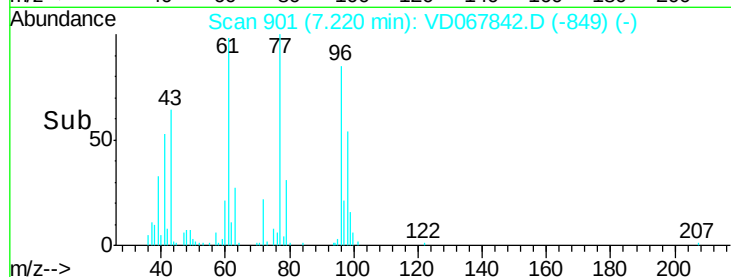
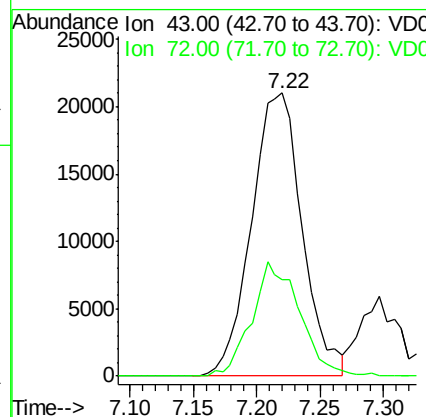
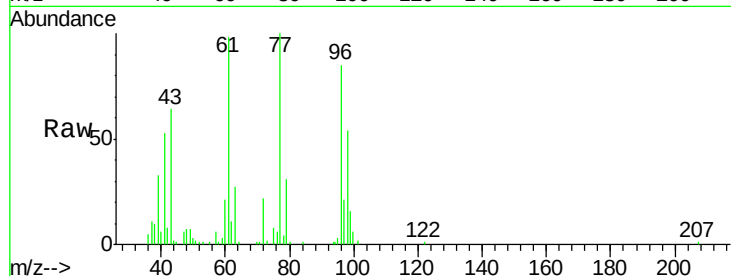
72 34.3 31.3 46.9

Manual Integrations

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MMDadoda

12/3/2020 9:56:51 AM



#26

2,2-Dichloropropane

Concen: 49.509 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067842.D

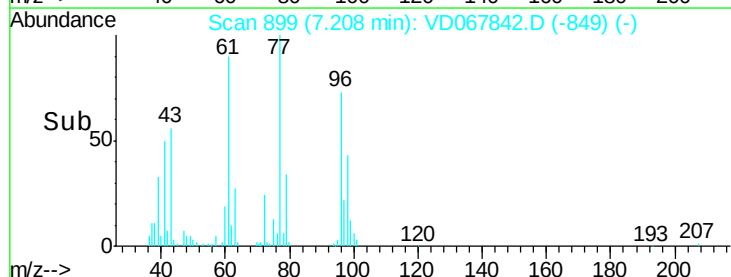
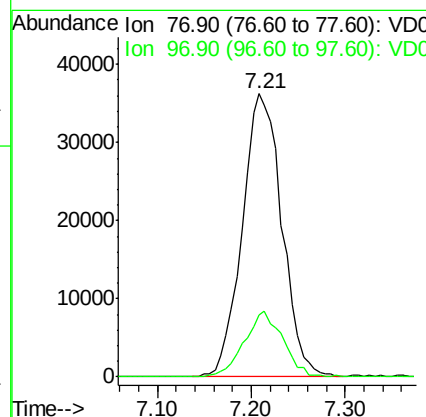
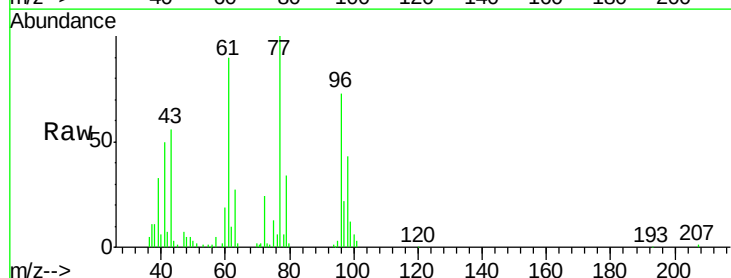
Acq: 02 Dec 2020 18:15

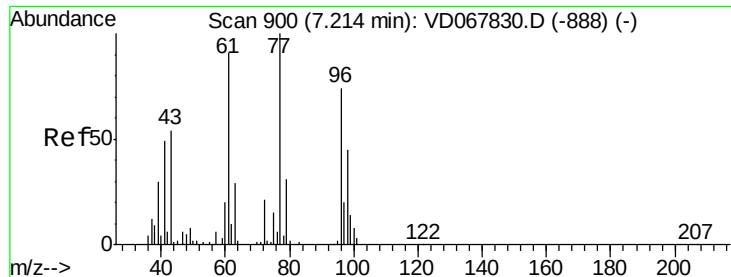
Tgt Ion: 77 Resp: 105751

Ion Ratio Lower Upper

77 100

97 22.5 11.1 33.1





#27

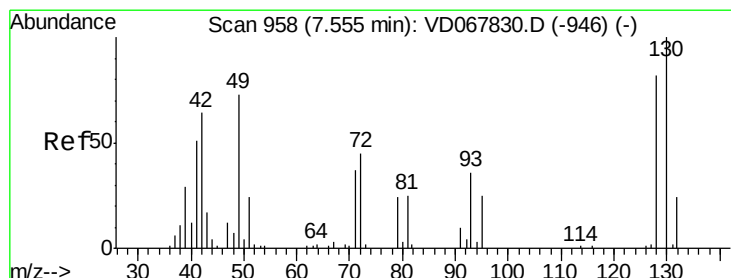
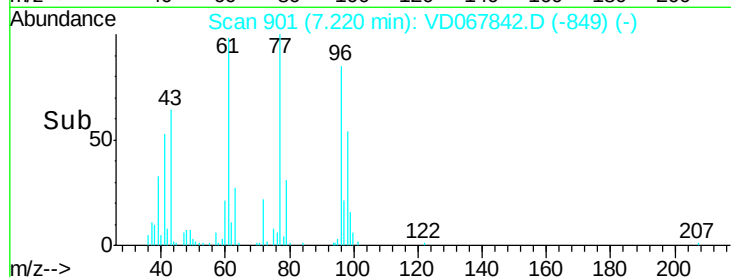
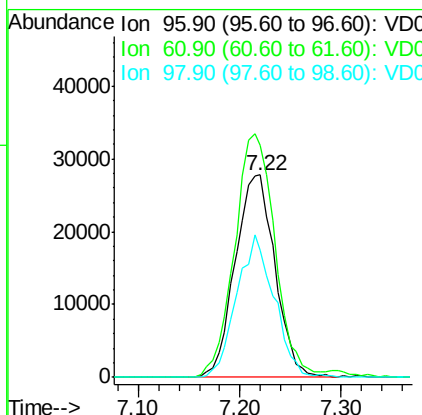
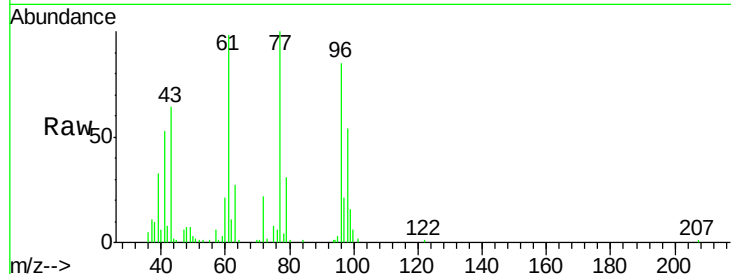
cis-1,2-Dichloroethene
Concen: 55.274 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	121.9	0.0	248.4
98	66.4	0.0	127.4

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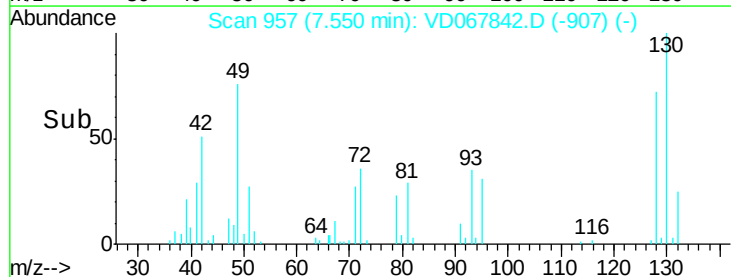
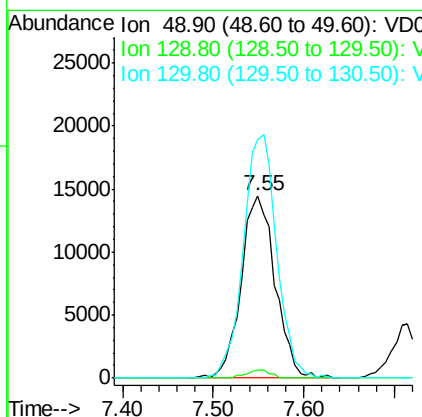
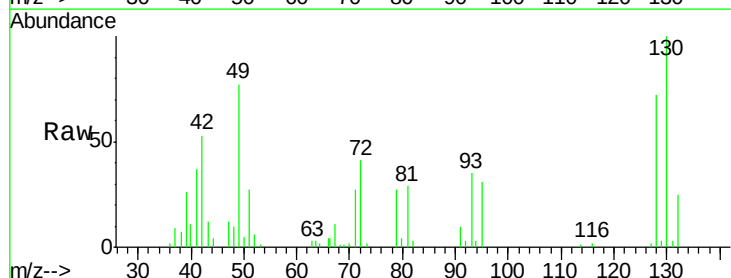
MMDadoda
12/3/2020 9:56:51 AM

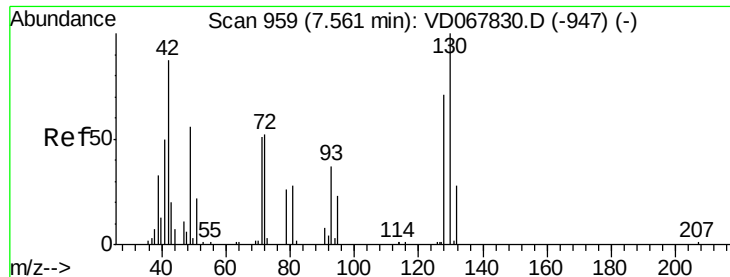


#28

Bromochloromethane
Concen: 66.418 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	3.4
130	130.5	110.2	165.2





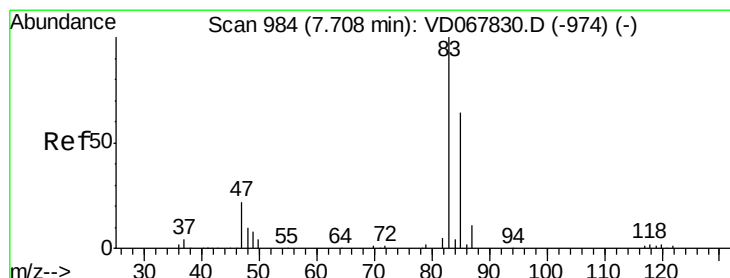
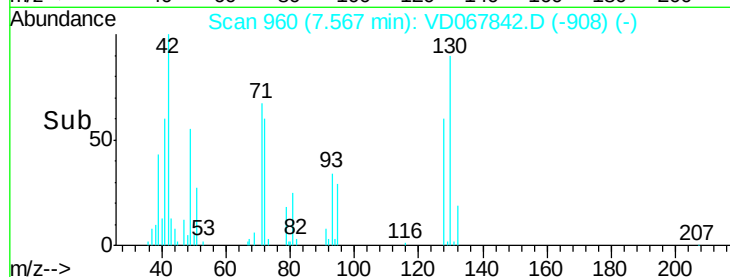
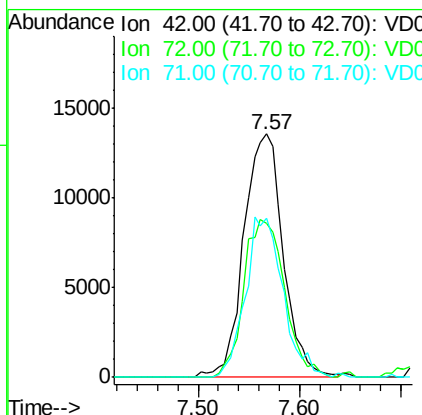
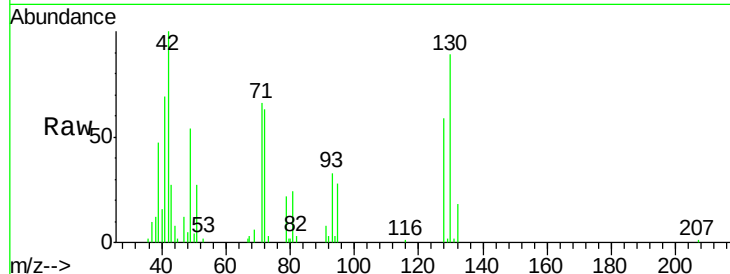
#29
Tetrahydrofuran
Concen: 348.523 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	67.3	51.9	77.9
71	63.4	48.2	72.4

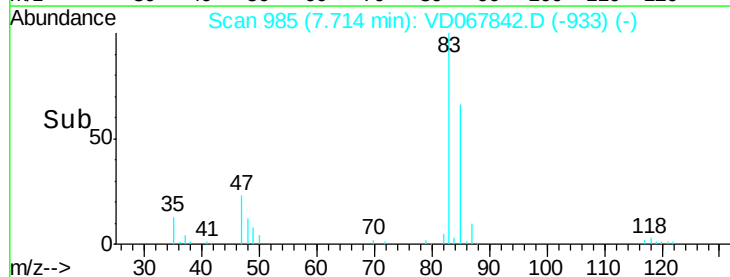
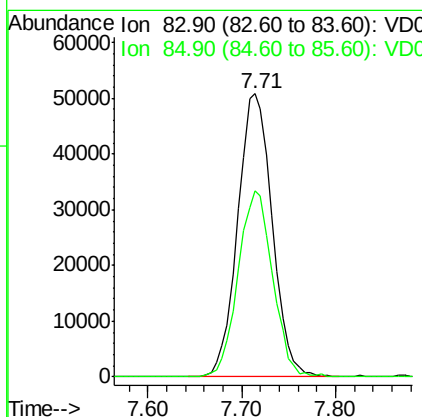
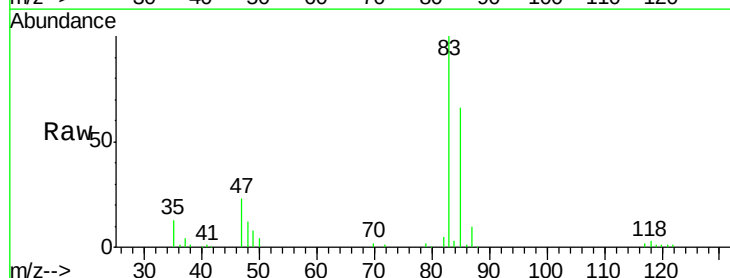
Manual Integrations
APPROVED

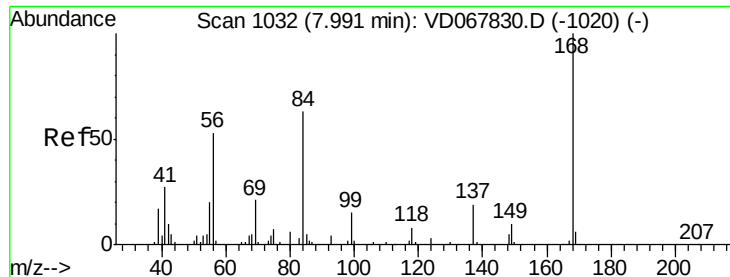
MMDadoda
12/3/2020 9:56:51 AM



#30
Chloroform
Concen: 54.079 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.0	76.4





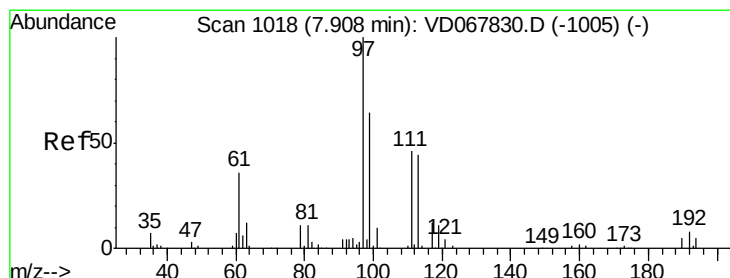
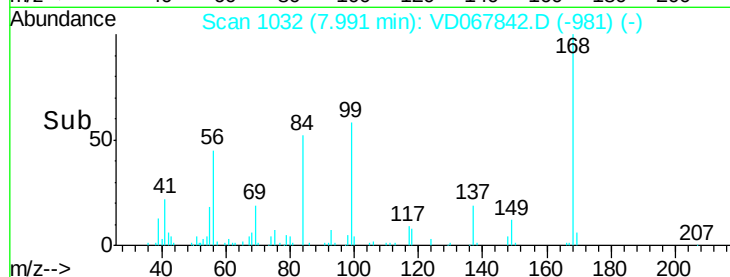
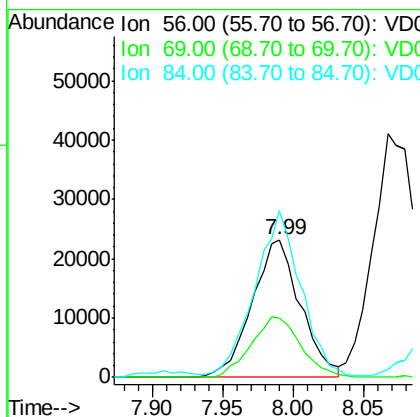
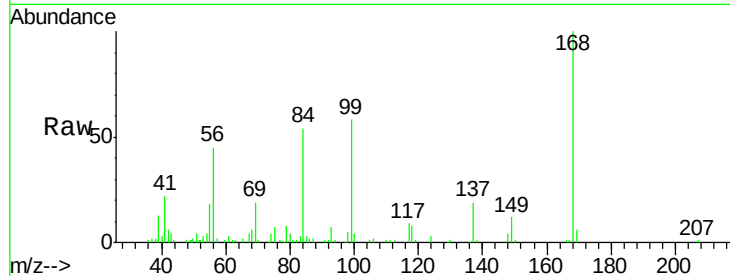
#31
Cyclohexane
Concen: 37.158 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.7	32.1	48.1
84	117.5	93.2	139.8

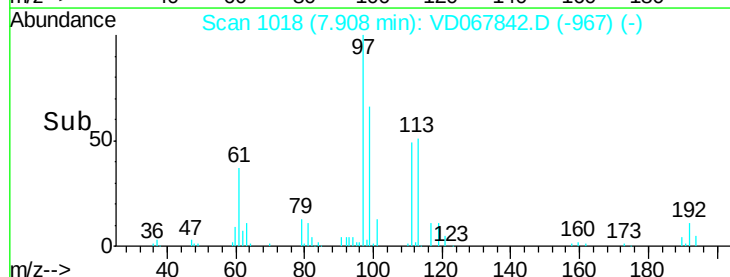
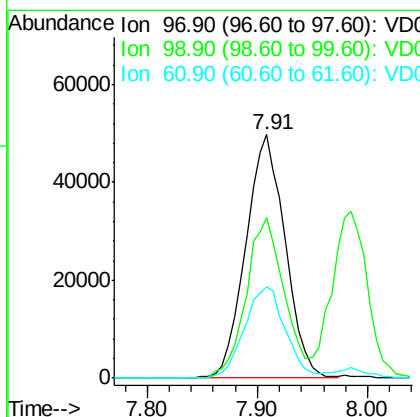
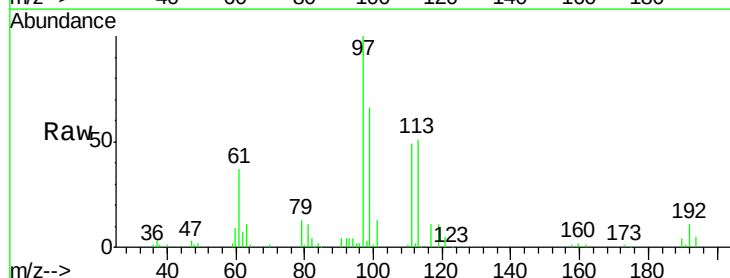
Manual Integrations
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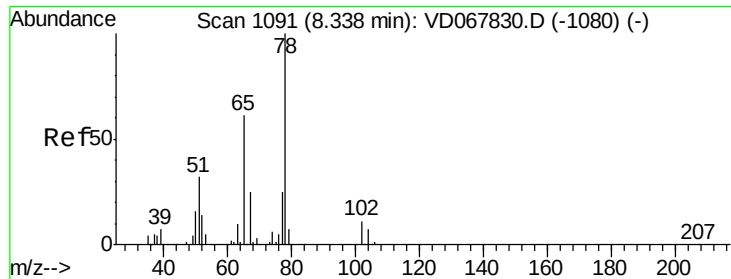
MMDadoda
12/3/2020 9:56:51 AM



#32
1,1,1-Trichloroethane
Concen: 49.213 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.0	51.4	77.2
61	38.7	30.8	46.2





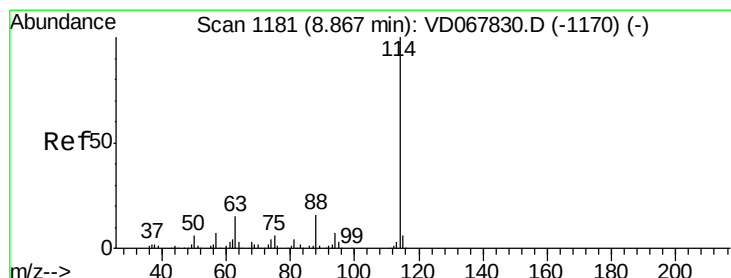
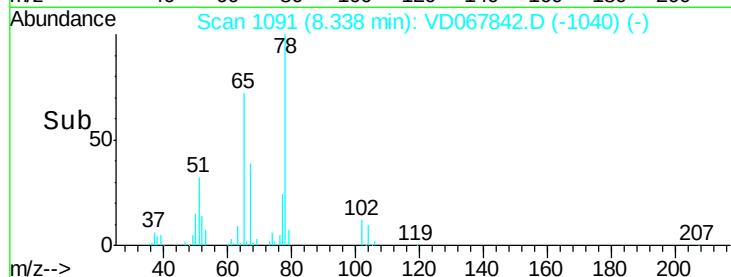
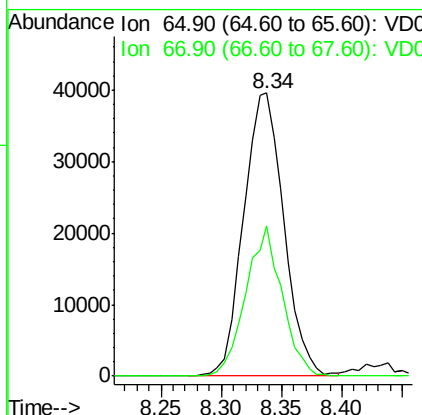
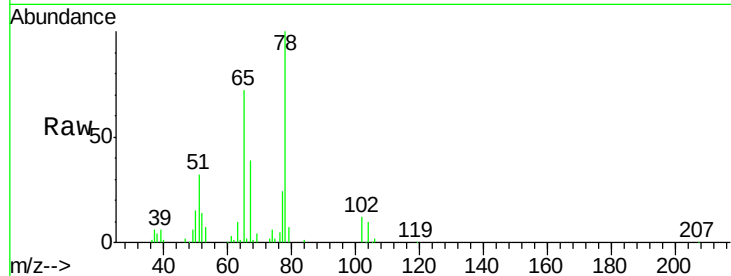
#33
 1,2-Dichloroethane-d4
 Concen: 64.608 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	47.6	0.0	92.0	

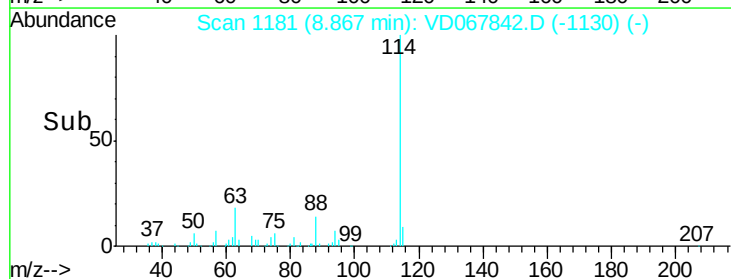
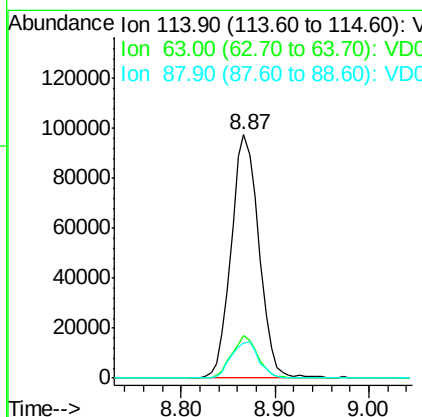
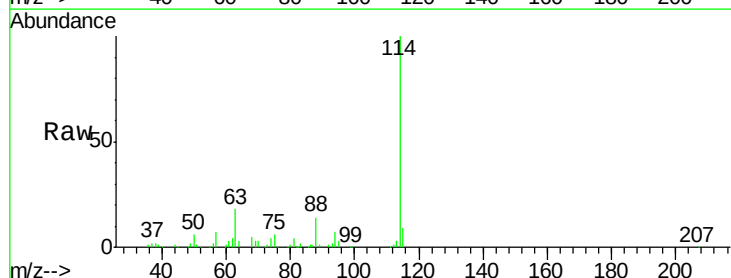
Manual Integrations
 APPROVED

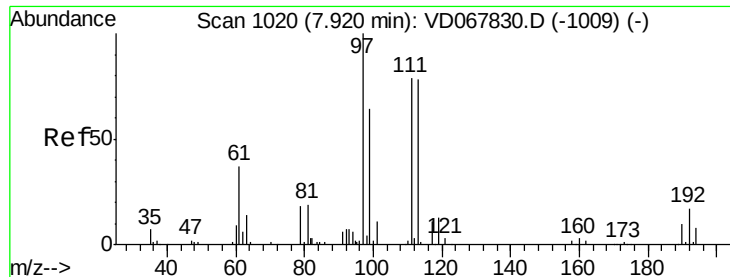
MMDadoda
 12/3/2020 9:56:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.6	0.0	30.8	
88	14.2	0.0	31.8	





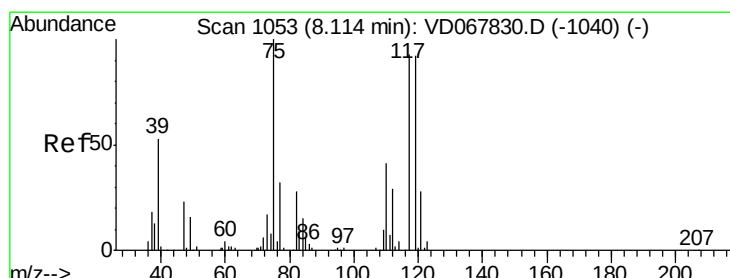
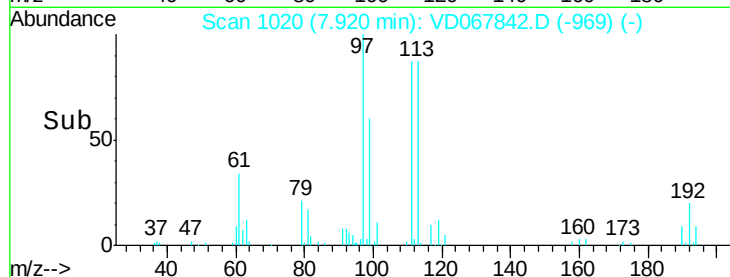
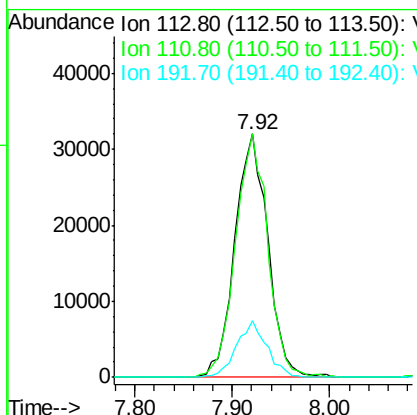
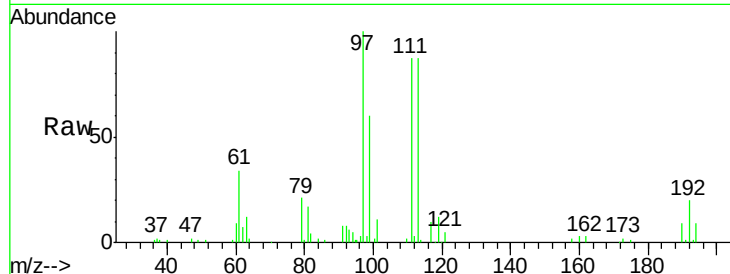
#35
 Dibromofluoromethane
 Concen: 56.228 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	75433		
111	98.1	81.2	121.8	
192	21.5	16.8	25.2	

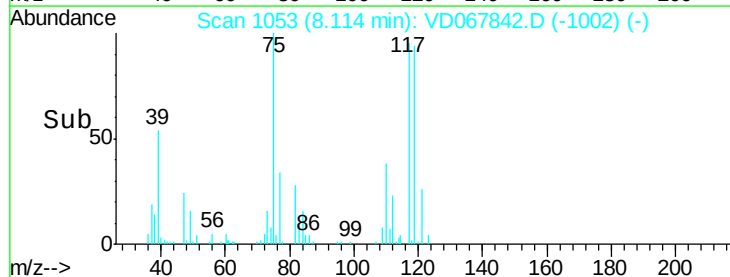
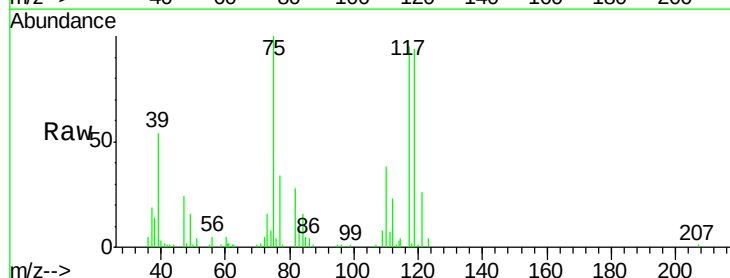
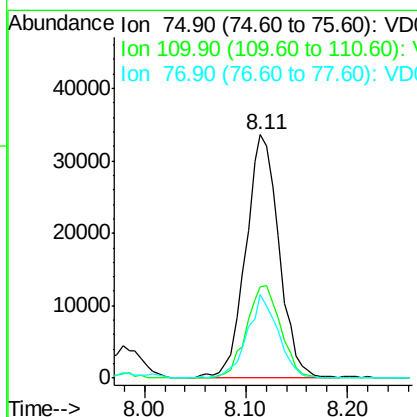
Manual Integrations
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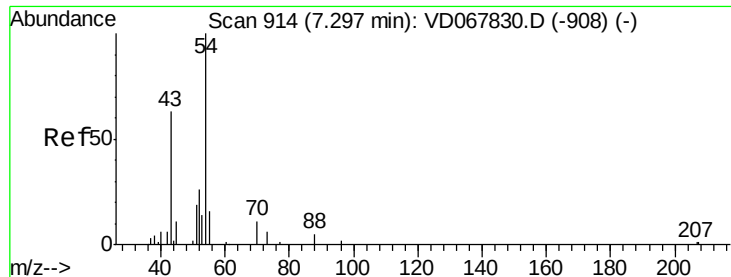
MMDadoda
 12/3/2020 9:56:51 AM



#36
 1,1-Dichloropropene
 Concen: 44.043 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76442		
110	39.0	20.3	61.0	
77	31.9	24.7	37.1	





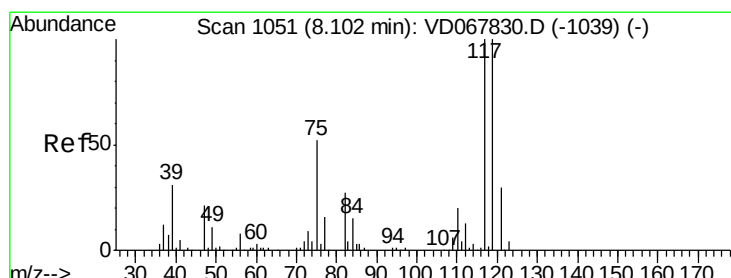
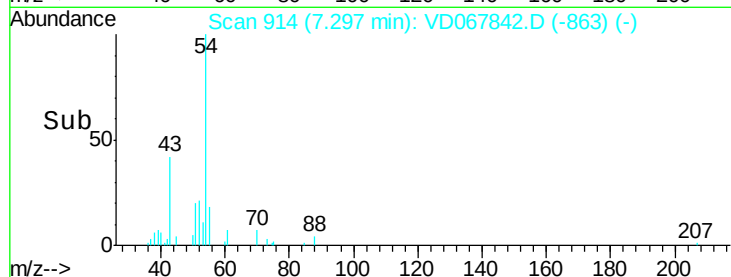
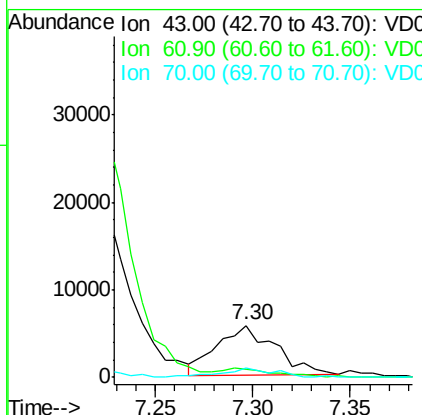
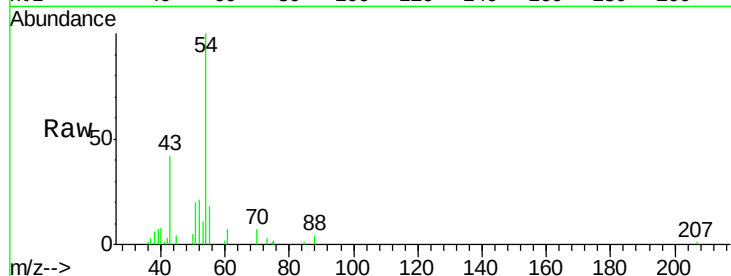
#37
Ethyl Acetate
Concen: 24.830 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.2#
70	16.9	11.5	17.3

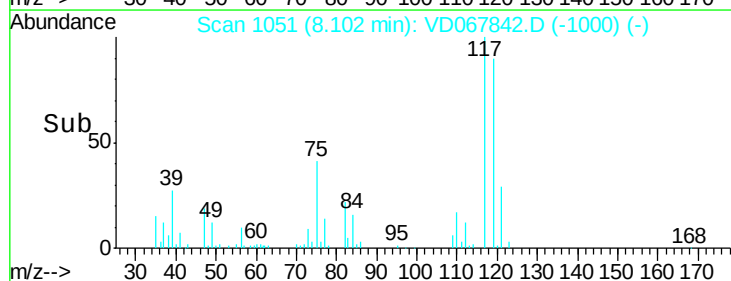
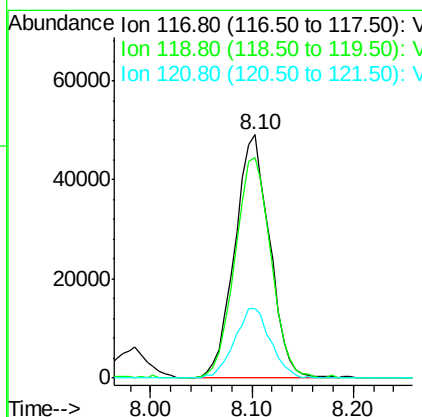
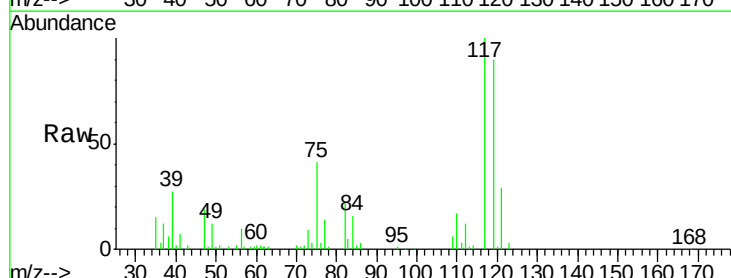
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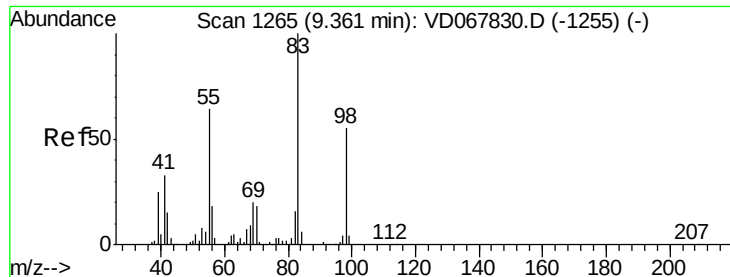
MMDadoda
12/3/2020 9:56:51 AM



#38
Carbon Tetrachloride
Concen: 44.906 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.4	79.7	119.5
121	28.8	23.8	35.6





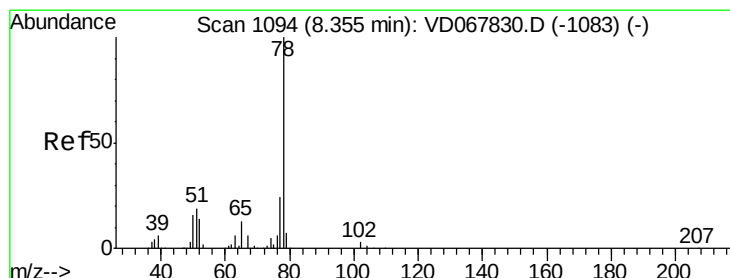
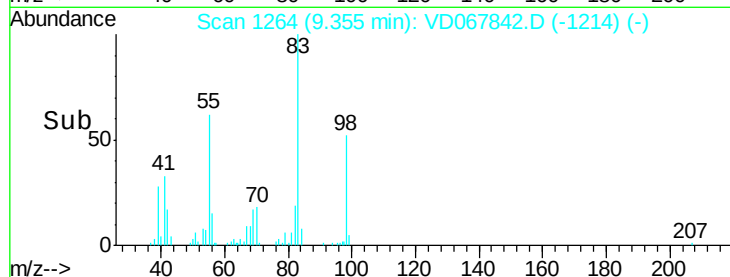
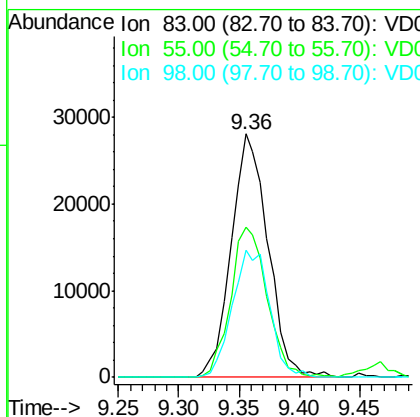
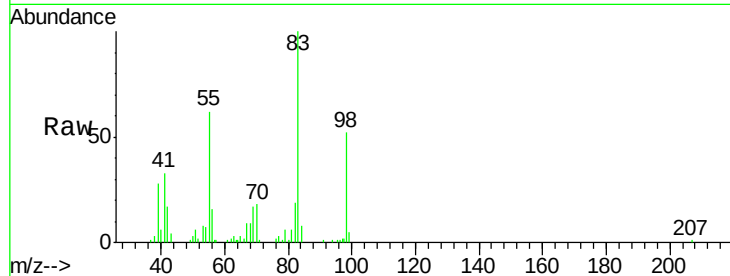
#39
Methylvlcyclohexane
Concen: 28.852 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	61.5	51.6	77.4
98	52.0	44.3	66.5

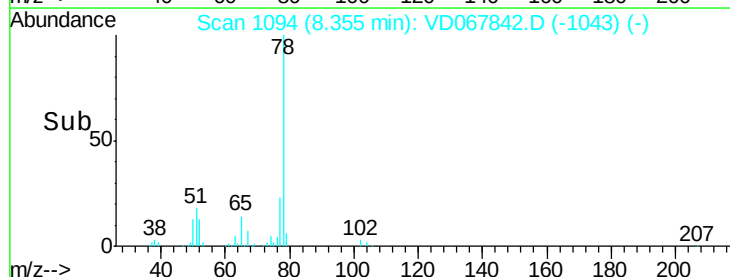
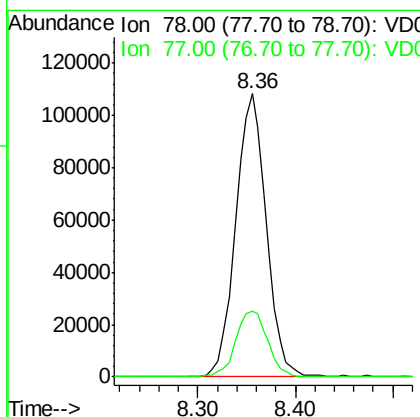
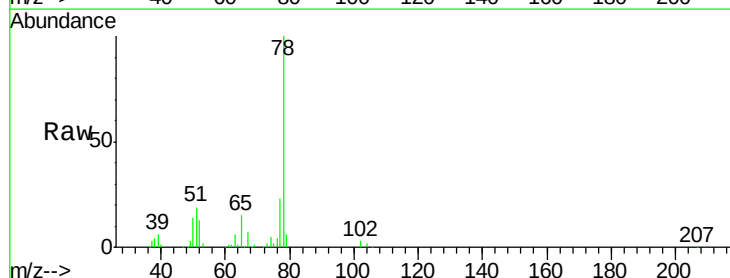
Manual Integrations
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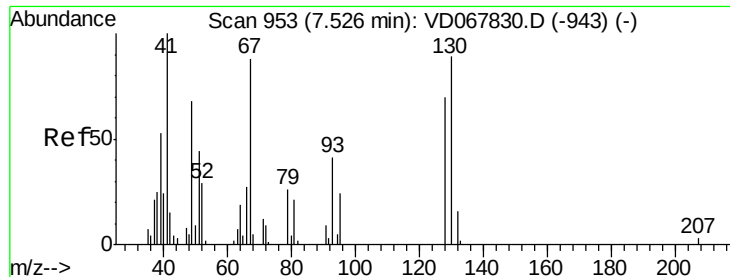
MMDadoda
12/3/2020 9:56:51 AM



#40
Benzene
Concen: 49.754 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7





#41

Methacrylonitrile

Concen: 62.233 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion: 41 Resp: 13581

Ion Ratio Lower Upper

41 100

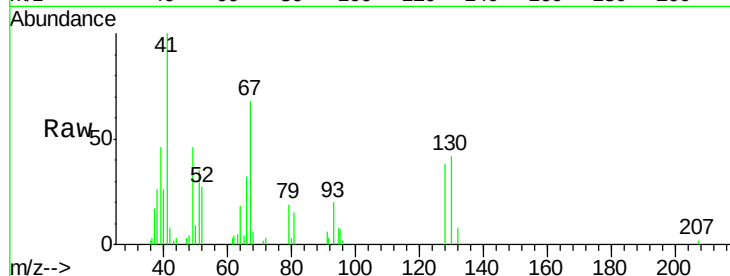
39 69.0 42.1 63.1#

67 121.1 82.4 123.6

52 47.4 30.6 45.8#

Manual Integrations
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MMDadoda
12/3/2020 9:56:51 AM

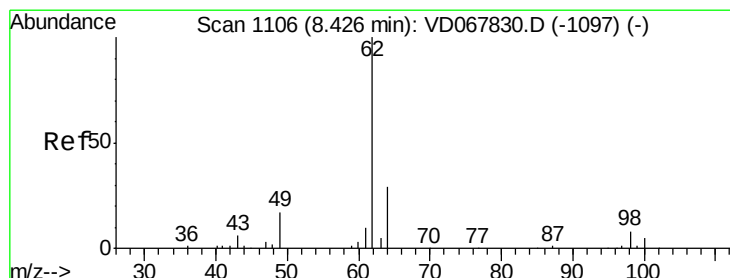
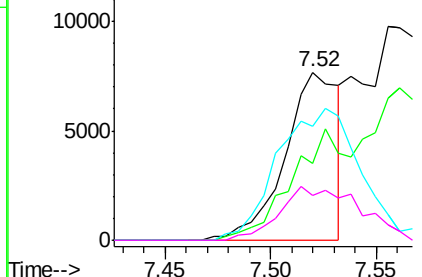
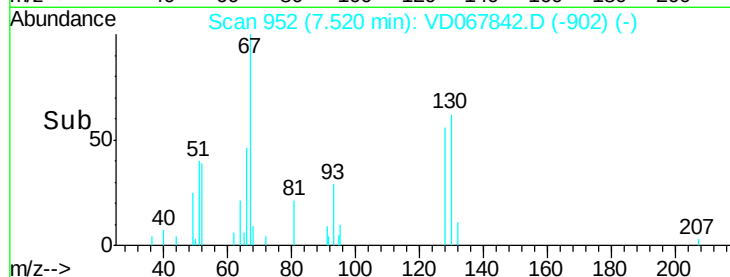


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 57.856 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD067842.D

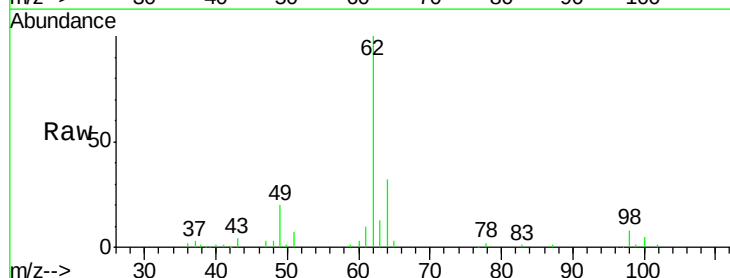
Acq: 02 Dec 2020 18:15

Tgt Ion: 62 Resp: 97929

Ion Ratio Lower Upper

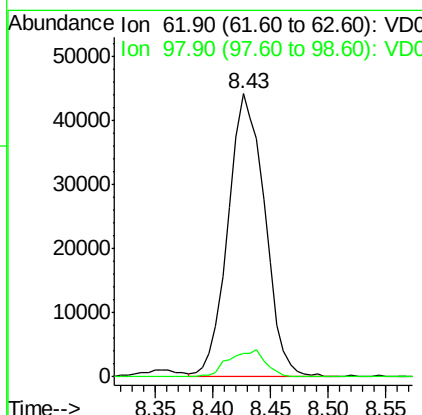
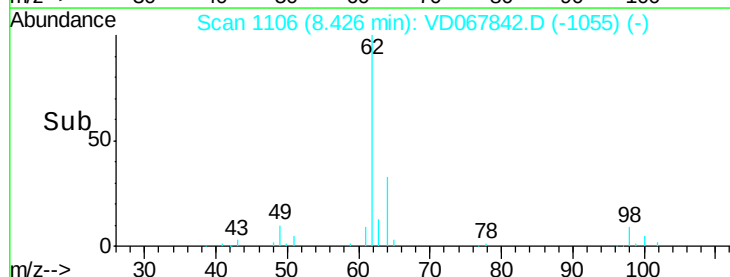
62 100

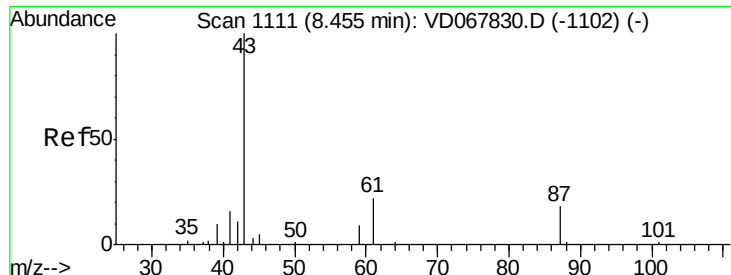
98 9.4 0.0 17.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 34.431 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

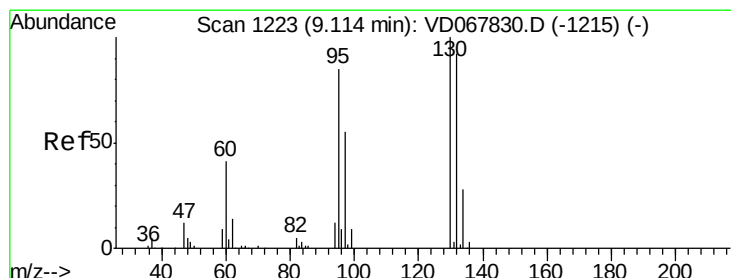
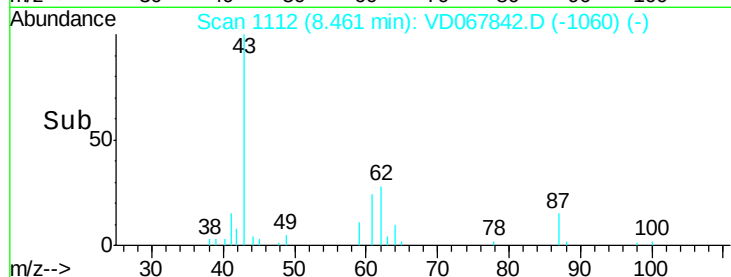
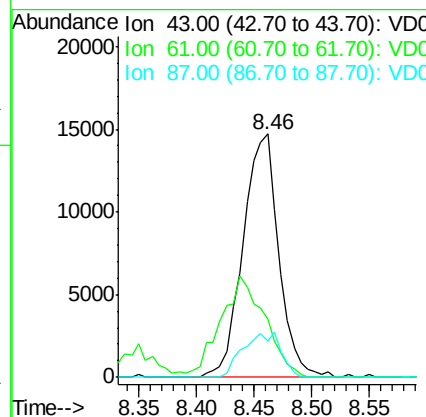
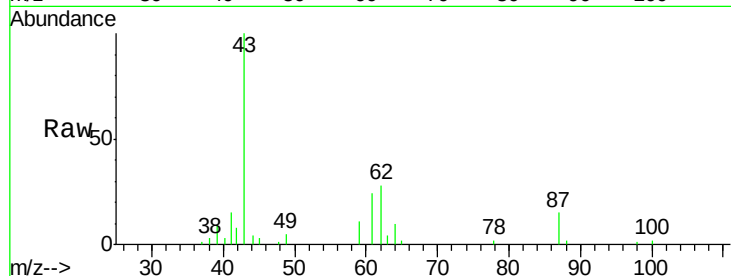
ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion:	43	Resp:	31690
Ion	Ratio	Lower	Upper
43	100		
61	0.0	30.4	45.6#
87	19.4	16.2	24.2

Manual Integrations
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MMDadoda
12/3/2020 9:56:51 AM



#44

Trichloroethene

Concen: 44.358 ug/l

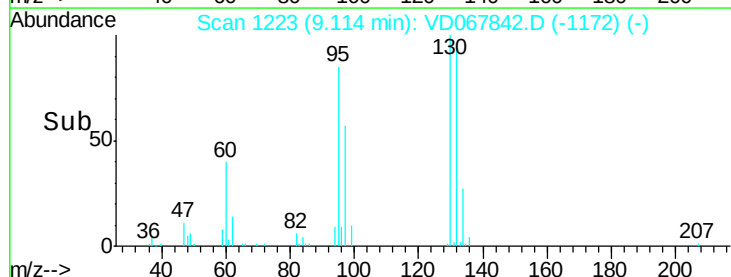
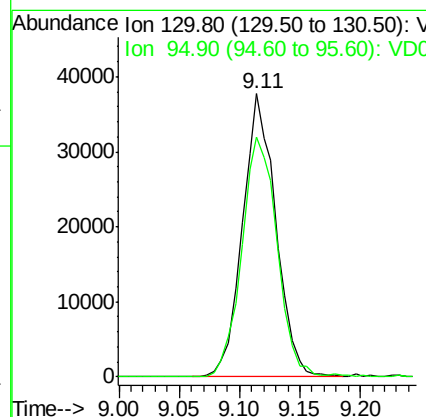
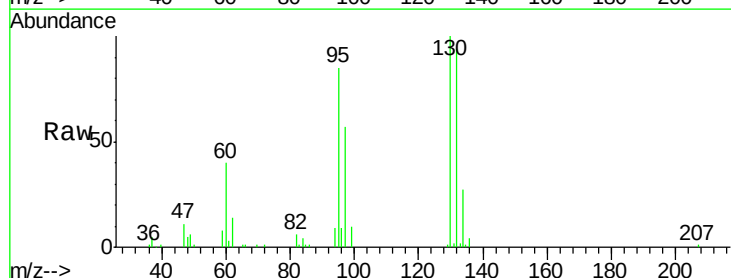
RT: 9.11 min Scan# 1223

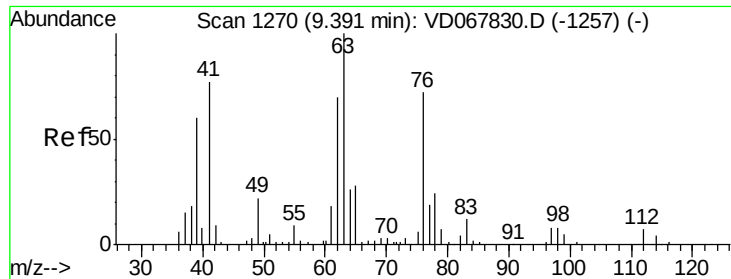
Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Tgt Ion:	130	Resp:	72429
Ion	Ratio	Lower	Upper
130	100		
95	84.5	0.0	170.2





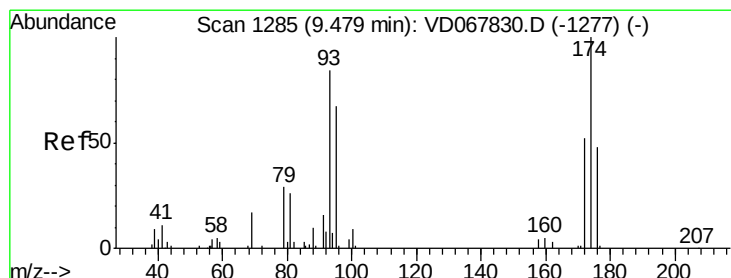
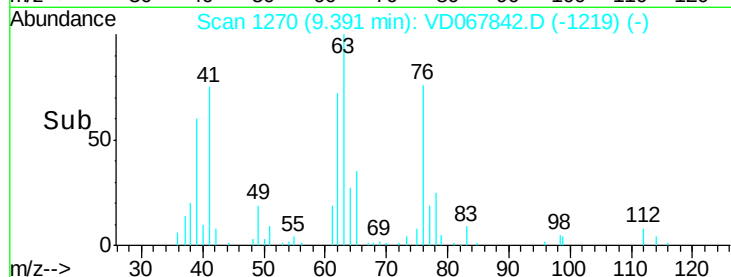
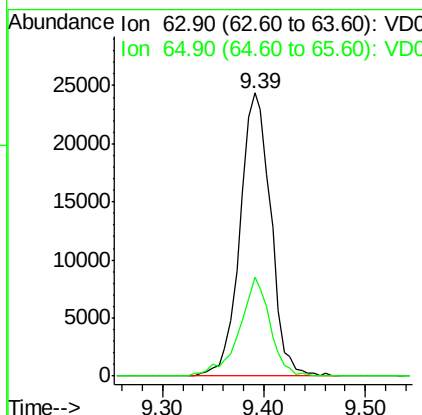
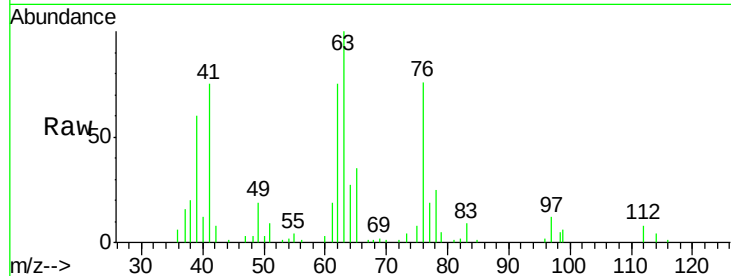
#45
 1,2-Dichloropropane
 Concen: 52.590 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

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

Tot Ion: 63 Resp: 51261
 Ion Ratio Lower Upper
 63 100
 65 35.0 22.8 34.2#

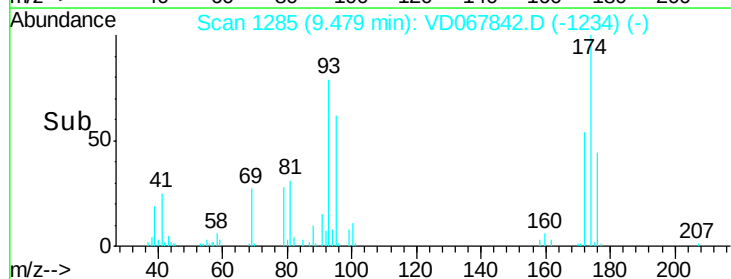
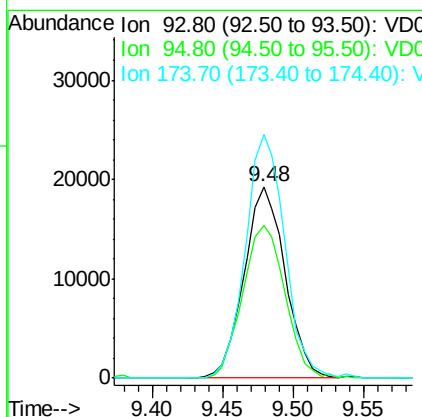
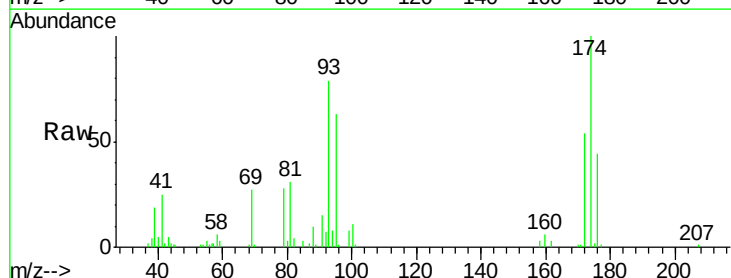
Manual Integrations
 APPROVED

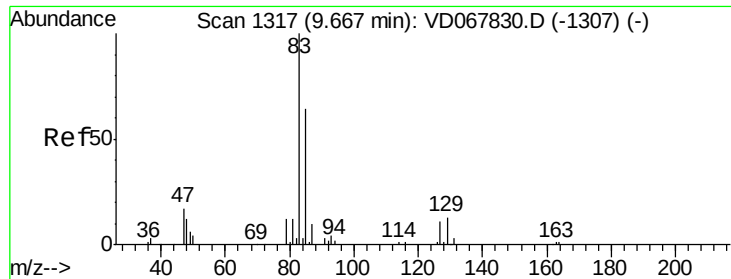
MMDadoda
 12/3/2020 9:56:51 AM



#46
 Dibromomethane
 Concen: 57.917 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

Tgt Ion: 93 Resp: 39251
 Ion Ratio Lower Upper
 93 100
 95 82.4 64.2 96.4
 174 122.7 91.5 137.3





#47

Bromodichloromethane

Concen: 53.643 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

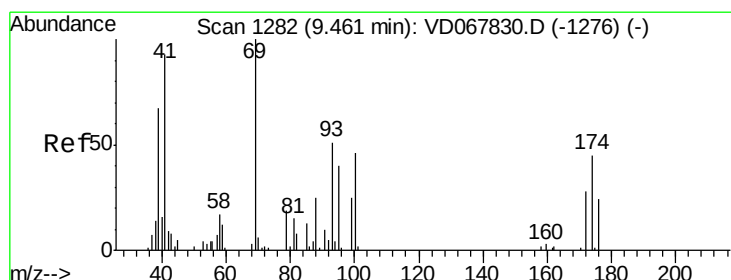
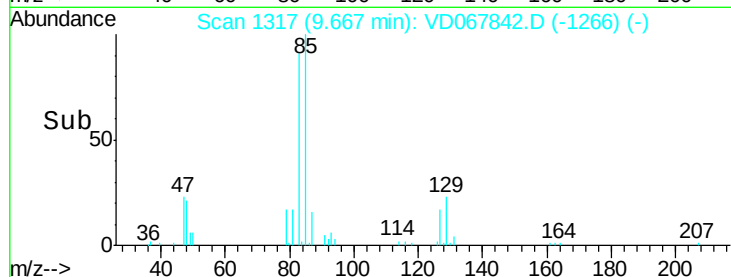
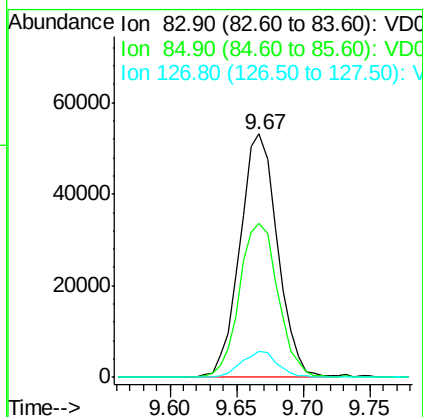
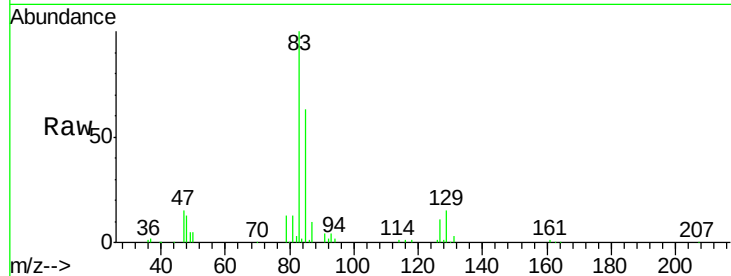
ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion:	83	Resp:	103641
Ion Ratio	Lower	Upper	
83	100		
85	63.5	51.4	77.0
127	10.8	8.5	12.7

Manual Integrations
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MMDadoda
12/3/2020 9:56:51 AM



#48

Methyl methacrylate

Concen: 70.408 ug/l

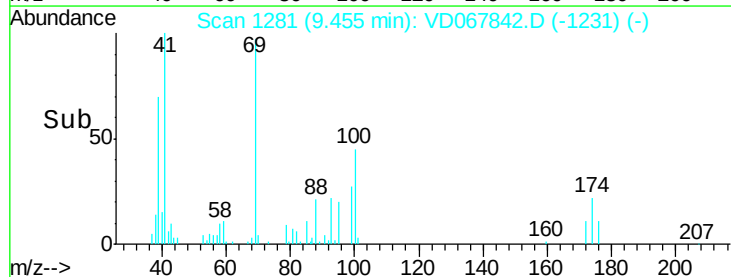
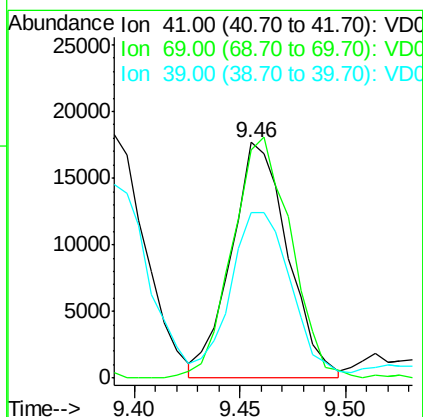
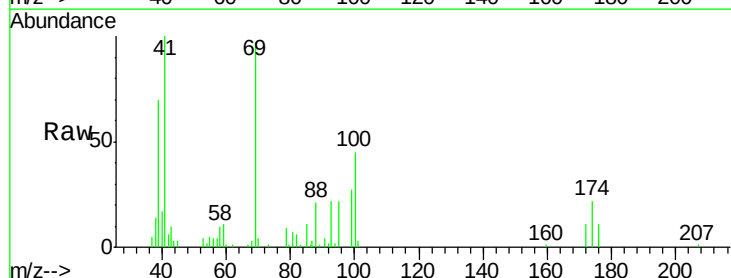
RT: 9.46 min Scan# 1281

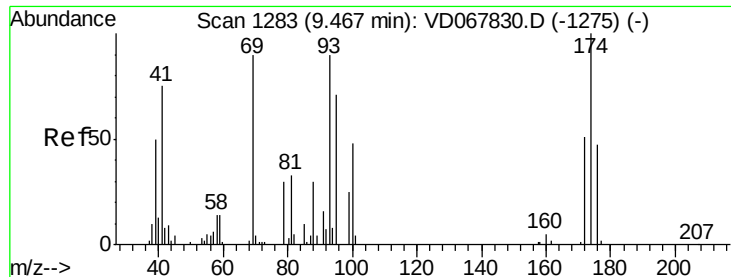
Delta R.T. -0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Tgt Ion:	41	Resp:	32906
Ion Ratio	Lower	Upper	
41	100		
69	105.6	87.6	131.4
39	76.1	61.2	91.8





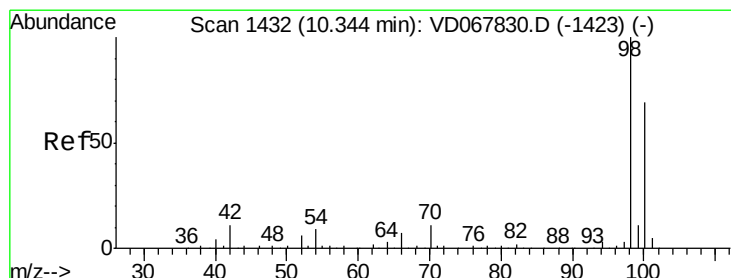
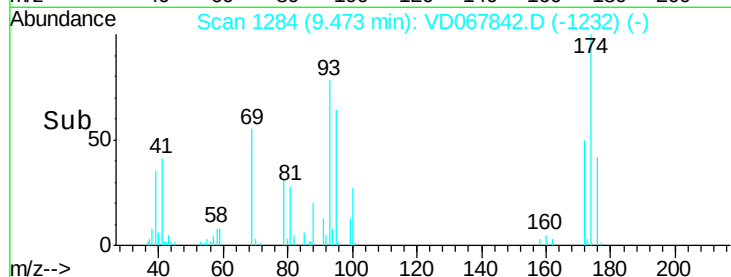
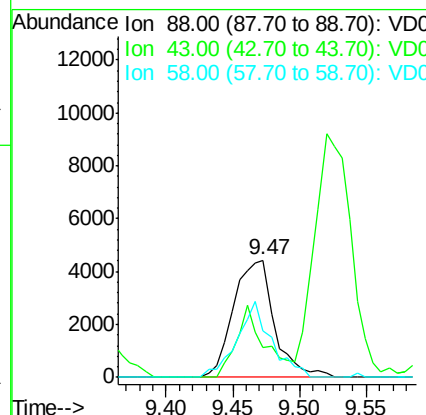
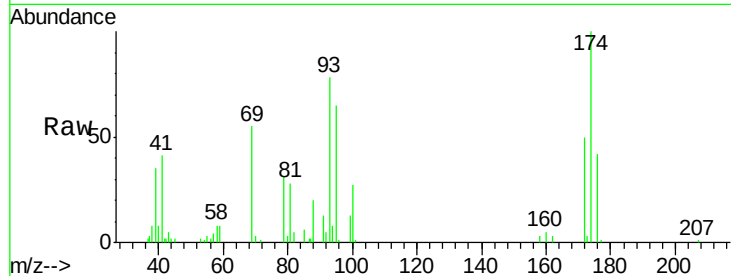
#49
1,4-Dioxane
Concen: 1222.774 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion	88	Resp	9469
Ion Ratio	100	Lower	Upper
88	100		
43	44.6	30.1	45.1
58	54.5	42.4	63.6

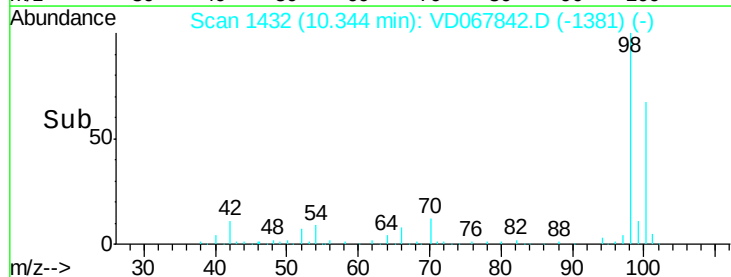
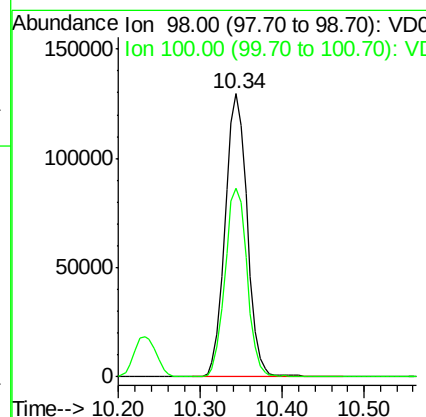
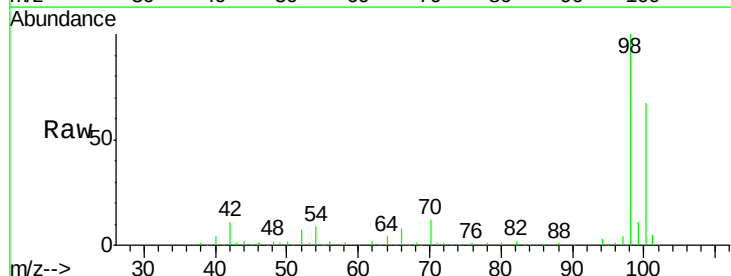
Manual Integrations
APPROVED

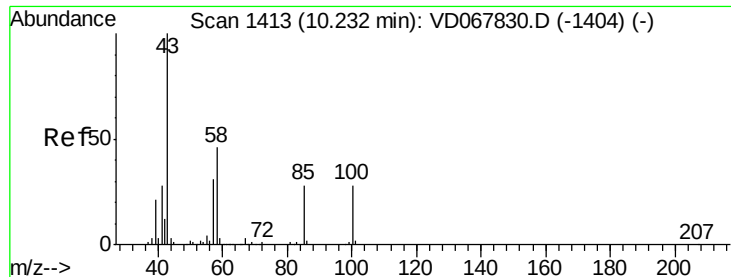
MMDadoda
12/3/2020 9:56:51 AM



#50
Toluene-d8
Concen: 50.518 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	98	Resp	243970
Ion Ratio	100	Lower	Upper
98	100		
100	66.8	52.9	79.3





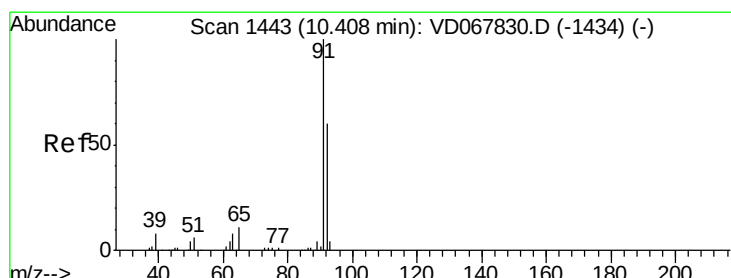
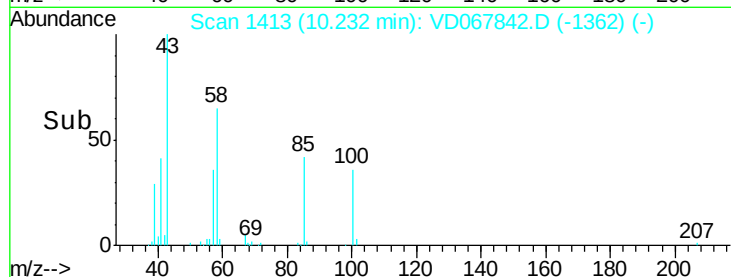
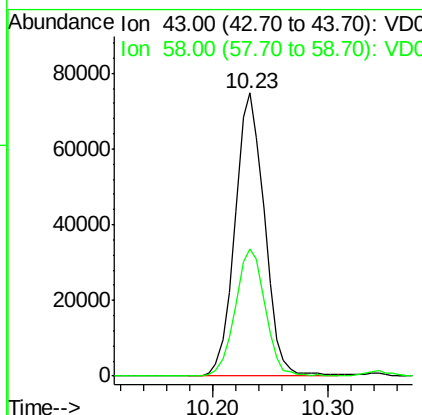
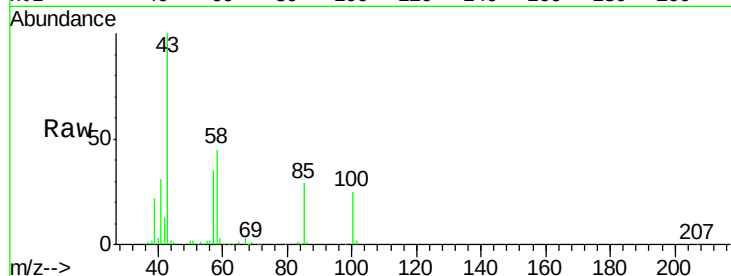
#51
4-Methyl-2-Pentanone
Concen: 303.857 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion: 43 Resp: 132365
Ion Ratio Lower Upper
43 100
58 45.5 35.7 53.5

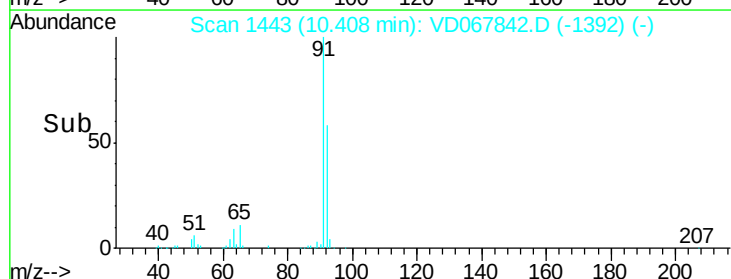
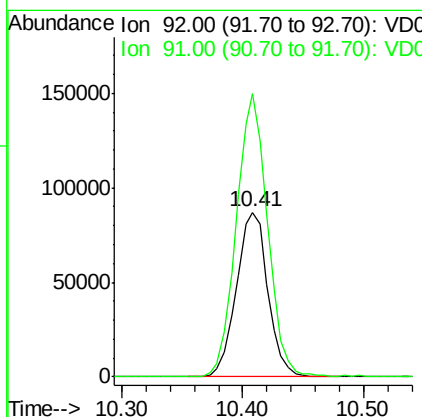
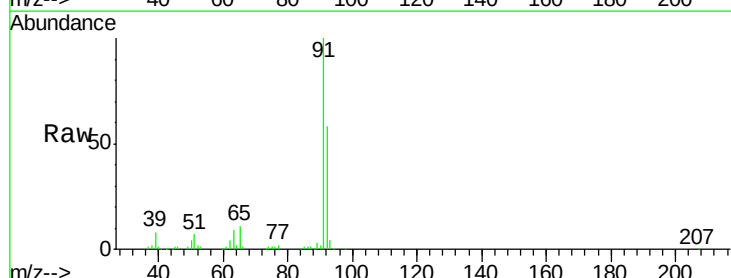
Manual Integrations
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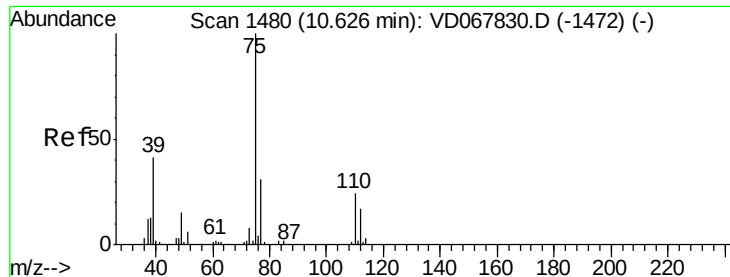
MMDadoda
12/3/2020 9:56:51 AM



#52
Toluene
Concen: 47.634 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion: 92 Resp: 158162
Ion Ratio Lower Upper
92 100
91 170.1 134.2 201.2





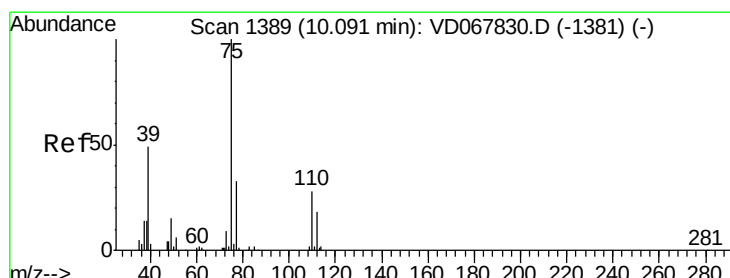
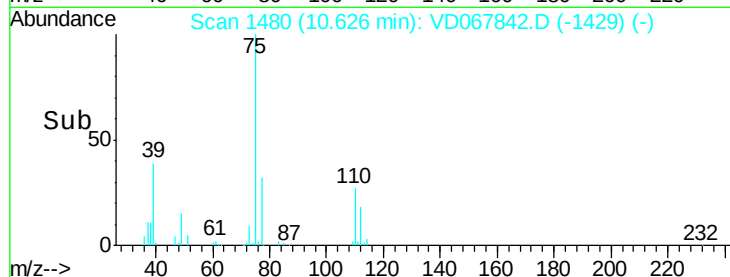
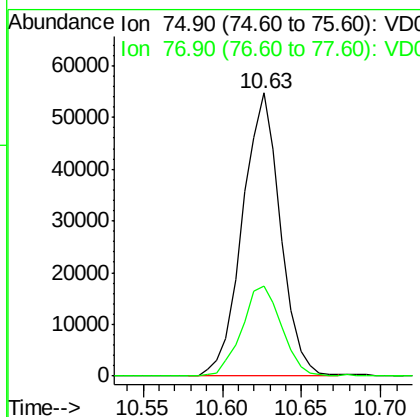
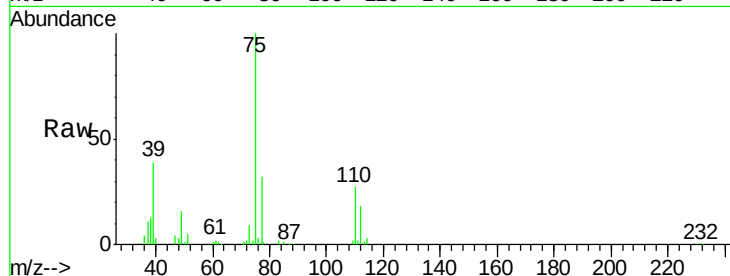
#53
t-1,3-Dichloropropene
Concen: 54.599 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.0	37.4

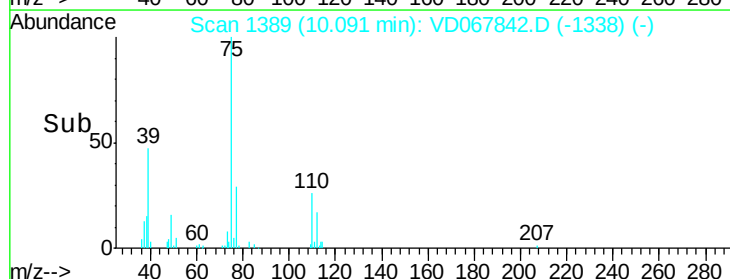
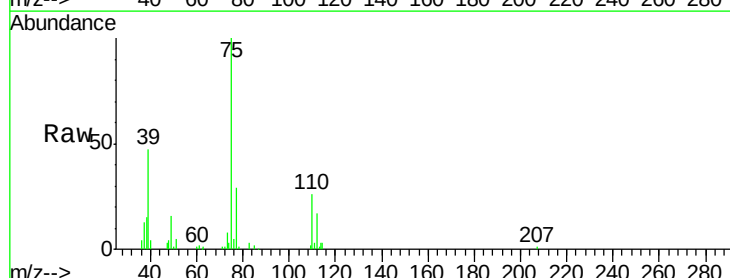
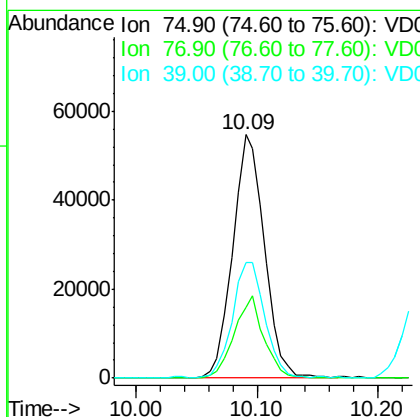
Manual Integrations
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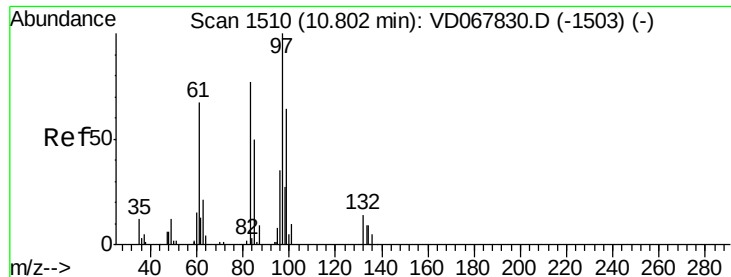
MMDadoda
12/3/2020 9:56:51 AM



#54
cis-1,3-Dichloropropene
Concen: 55.158 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.1	26.2	39.2
39	47.0	39.0	58.4





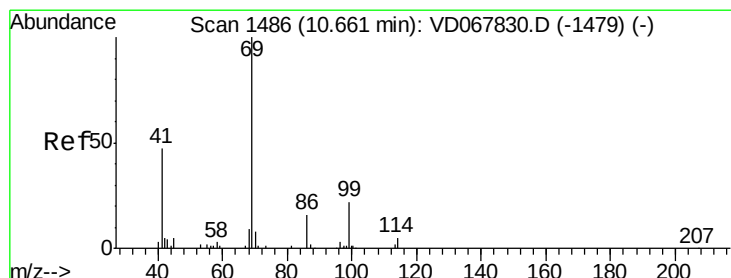
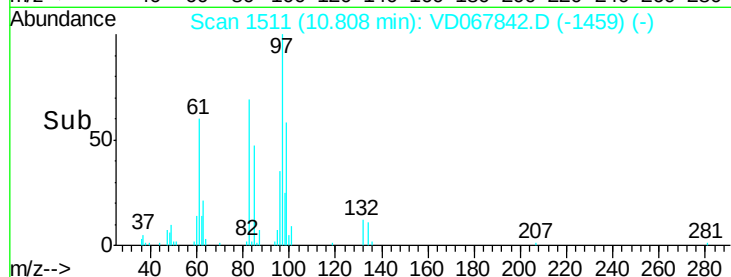
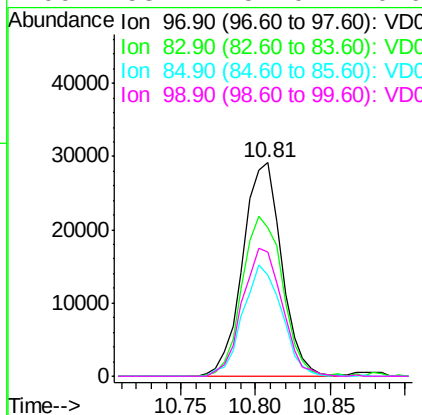
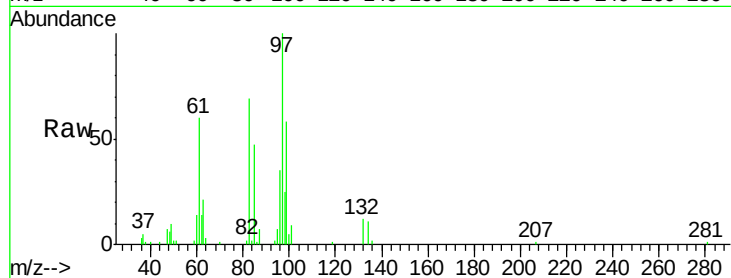
#55
 1,1,2-Trichloroethane
 Concen: 56.644 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

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

Tot Ion	97	Resp	52535
Ion Ratio	Lower	Upper	
97	100		
83	69.3	61.9	92.9
85	47.4	40.2	60.4
99	58.2	51.0	76.6

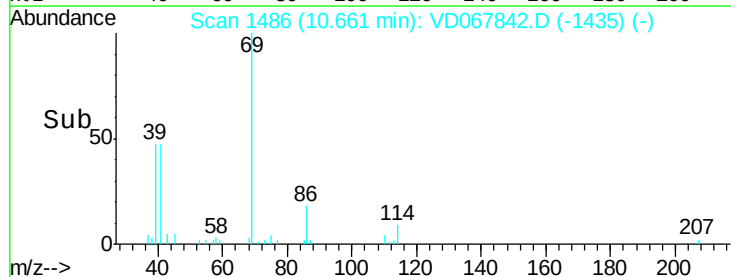
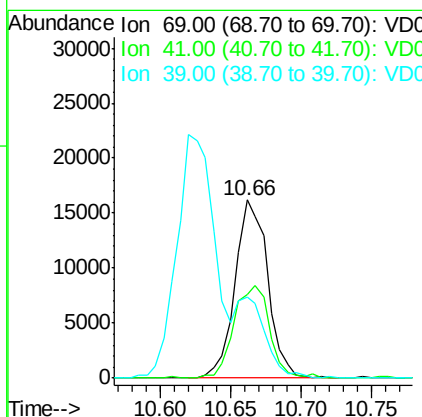
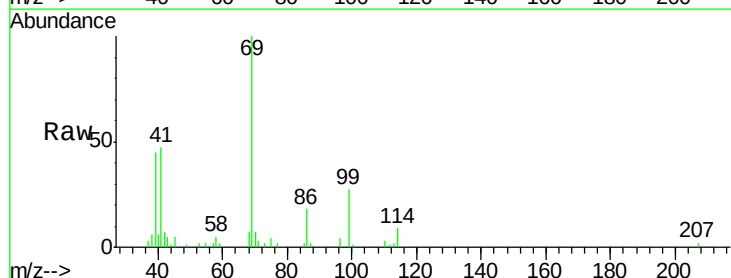
Manual Integrations
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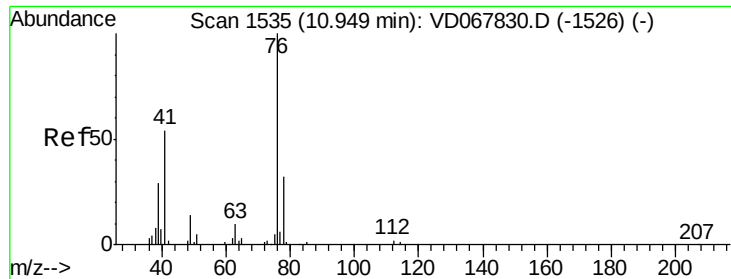
MMDadoda
 12/3/2020 9:56:51 AM



#56
 Ethyl methacrylate
 Concen: 27.815 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

Tgt Ion	69	Resp	26247
Ion Ratio	Lower	Upper	
69	100		
41	56.7	42.8	64.2
39	0.0	30.5	45.7#





#57

1,3-Dichloropropane

Concen: 56.838 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion: 76 Resp: 83502

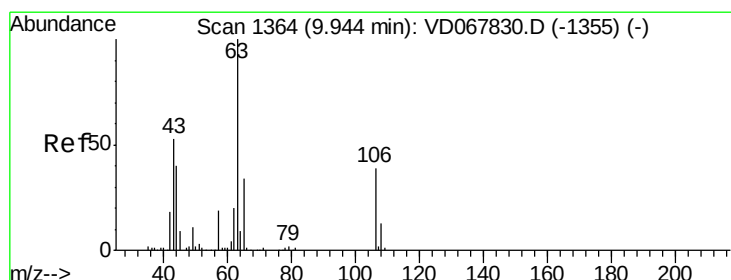
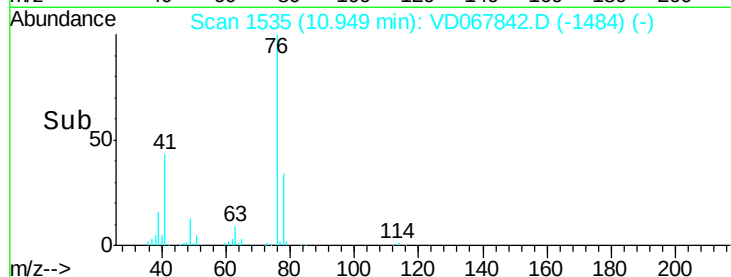
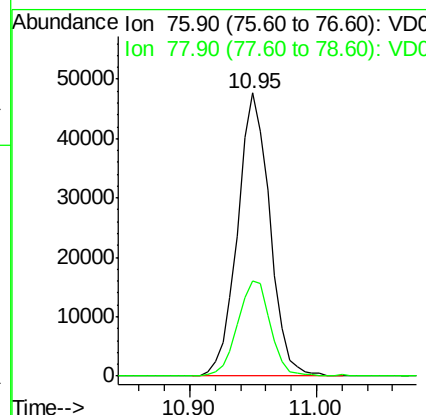
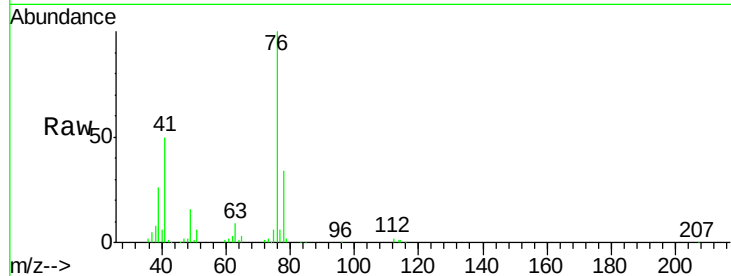
Ion Ratio Lower Upper

76 100

78 34.2 26.6 39.8

Manual Integrations
APPROVED

MMDadoda
12/3/2020 9:56:51 AM



#58

2-Chloroethyl Vinyl ether

Concen: 338.145 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD067842.D

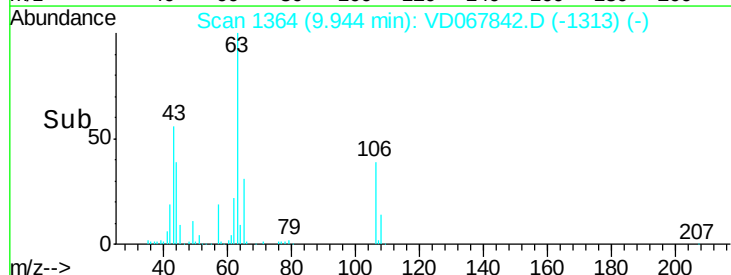
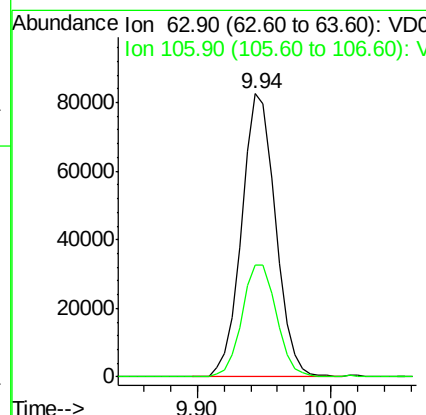
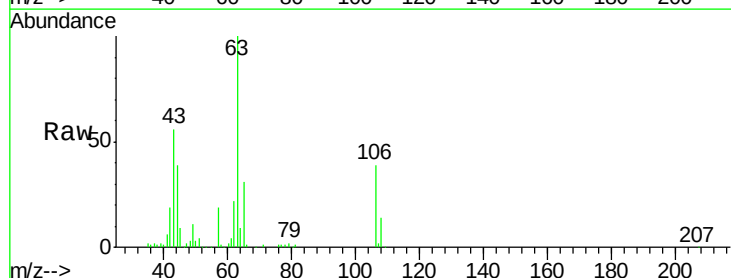
Acq: 02 Dec 2020 18:15

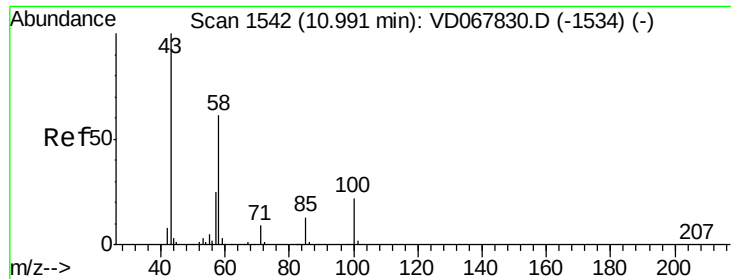
Tgt Ion: 63 Resp: 145195

Ion Ratio Lower Upper

63 100

106 40.1 32.0 48.0





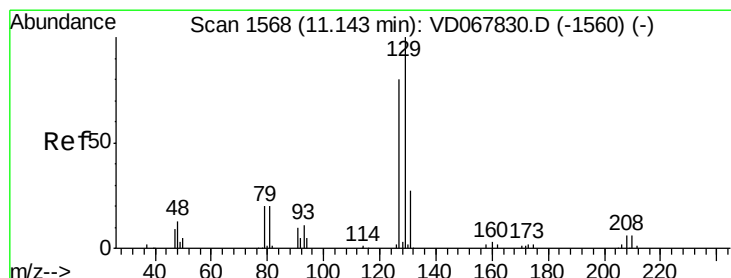
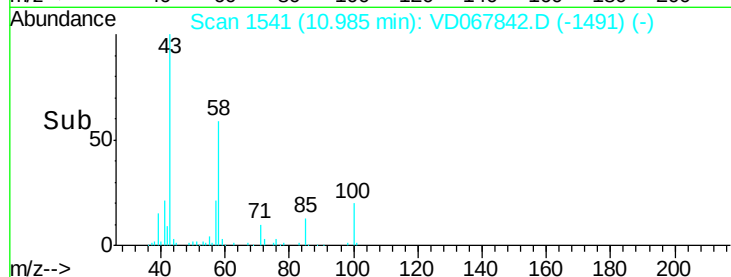
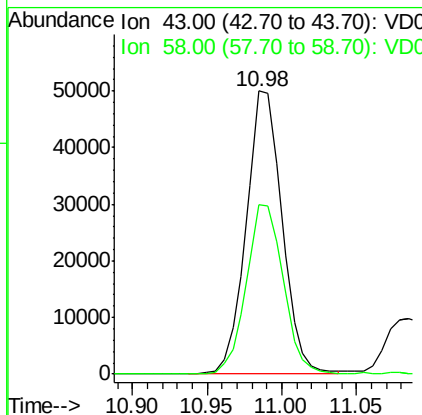
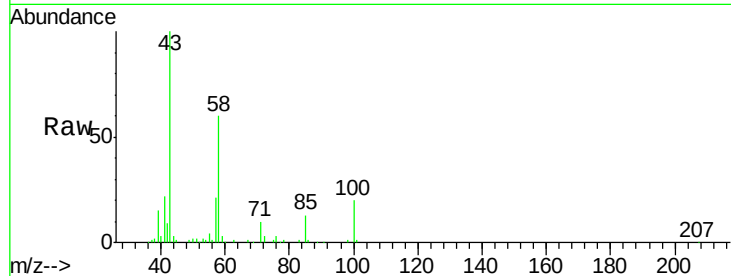
#59
2-Hexanone
Concen: 271.071 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	61.4	29.9	89.7

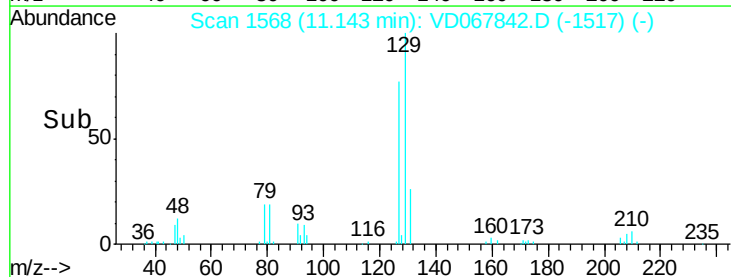
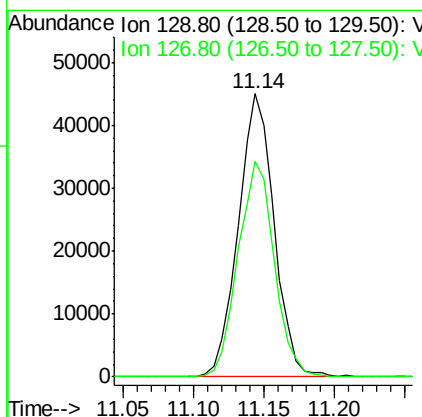
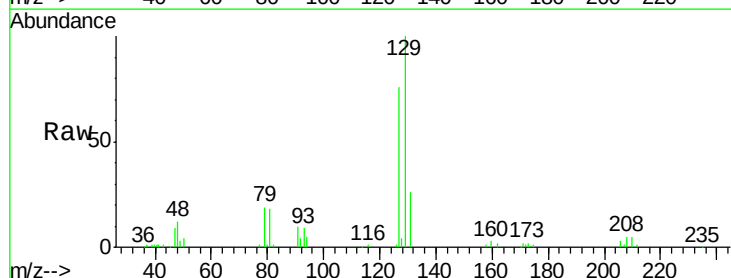
Manual Integrations
APPROVED

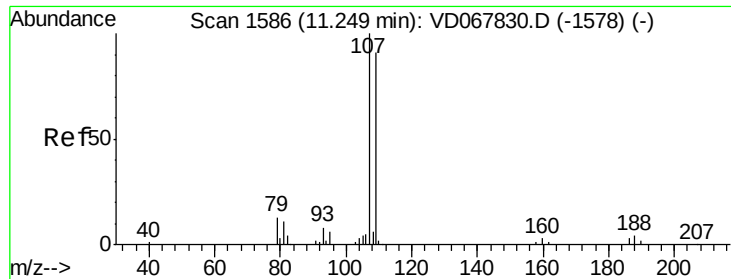
MMDadoda
12/3/2020 9:56:51 AM



#60
Dibromochloromethane
Concen: 57.108 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.2	117.6





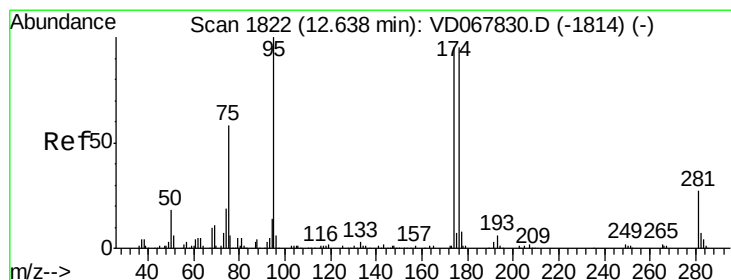
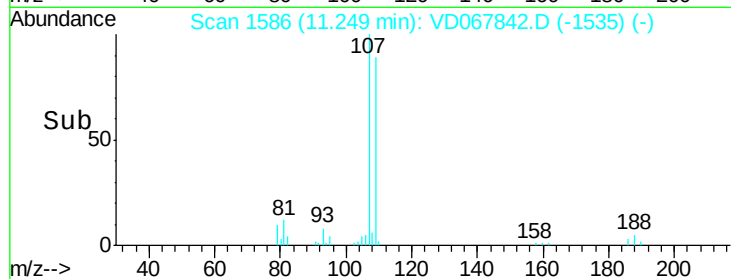
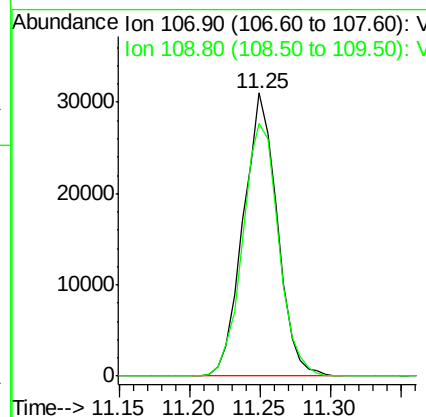
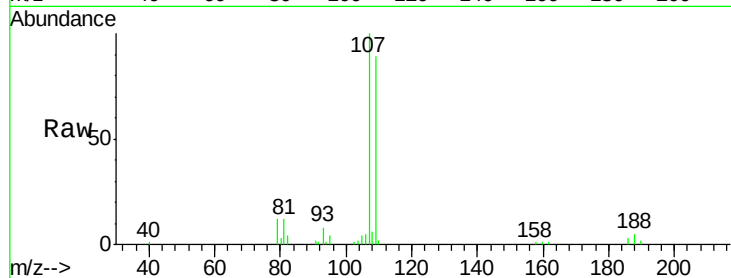
#61
 1,2-Dibromoethane
 Concen: 57.405 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.9	113.9

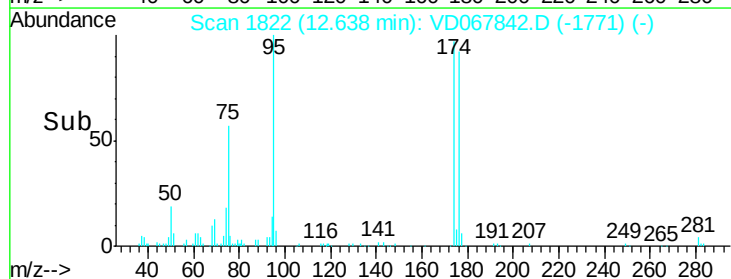
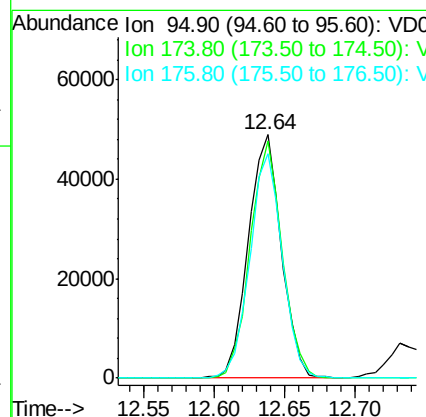
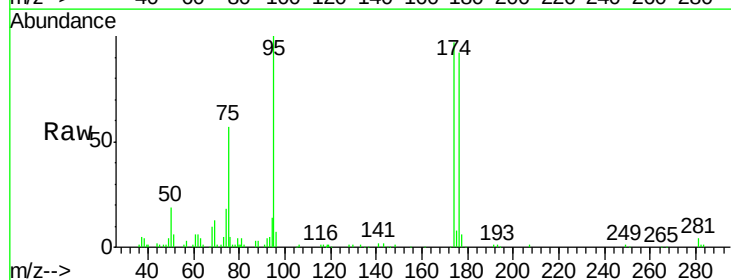
Manual Integrations
 APPROVED

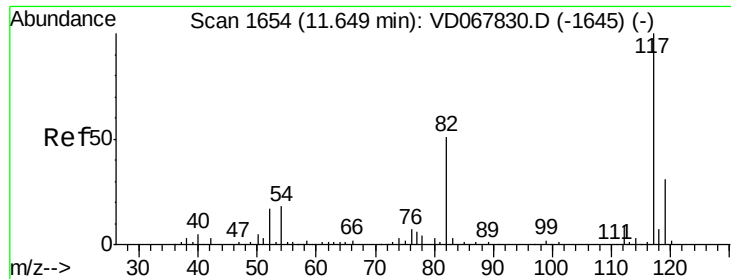
MMDadoda
 12/3/2020 9:56:51 AM



#62
 4-Bromofluorobenzene
 Concen: 48.041 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	186.0
176	90.7	0.0	184.2





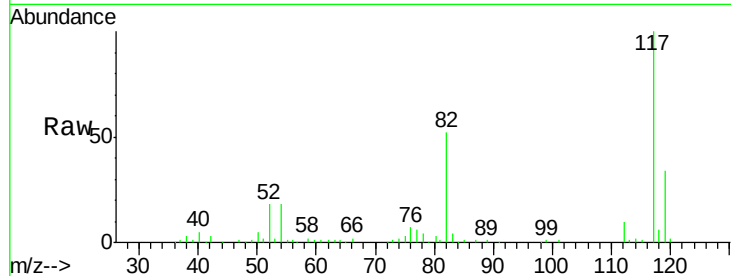
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

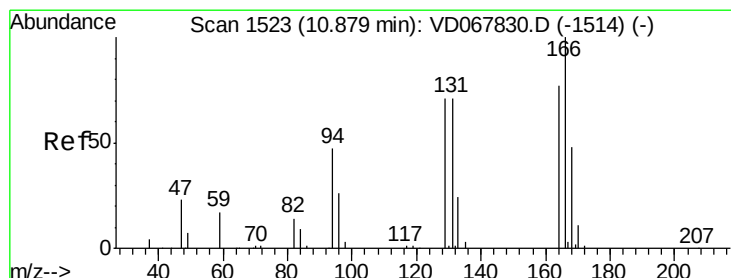
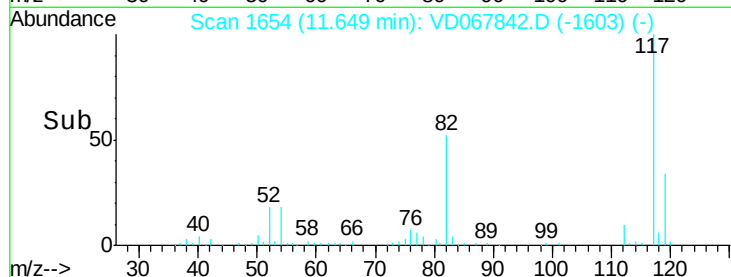
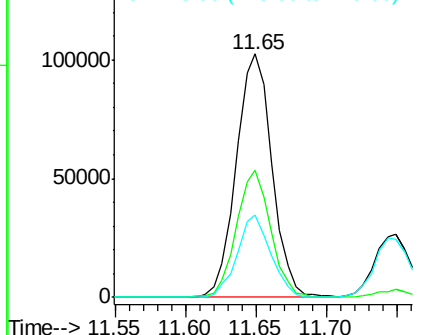
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	40.6	60.8
119	34.0	25.1	37.7

Manual Integrations
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MMDadoda
12/3/2020 9:56:51 AM



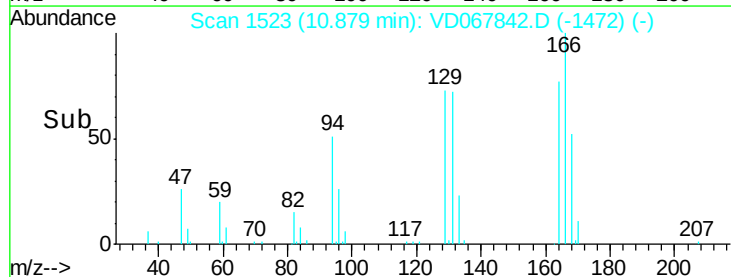
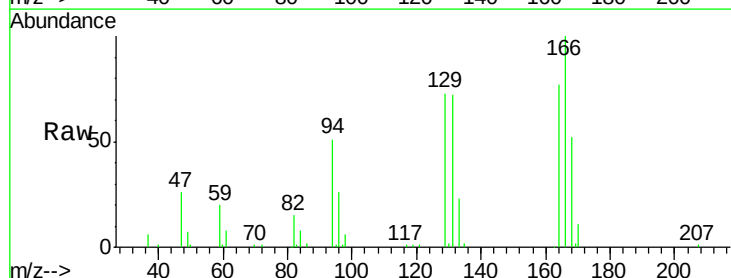
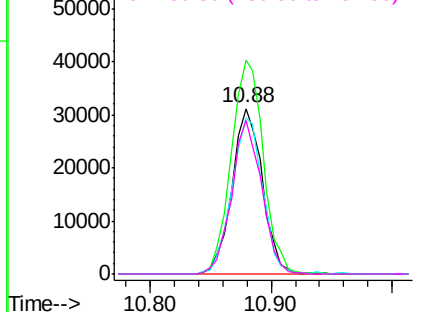
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

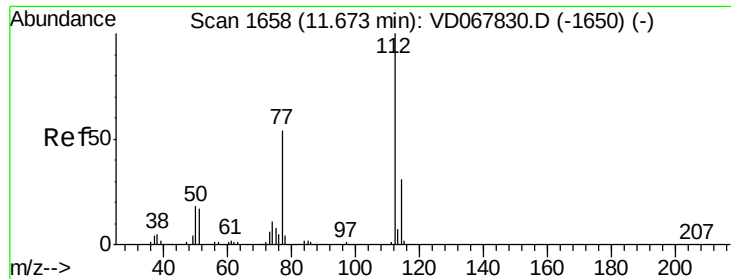


#64
Tetrachloroethene
Concen: 36.990 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	103.8	155.6
129	94.6	73.3	109.9
131	93.4	74.1	111.1

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





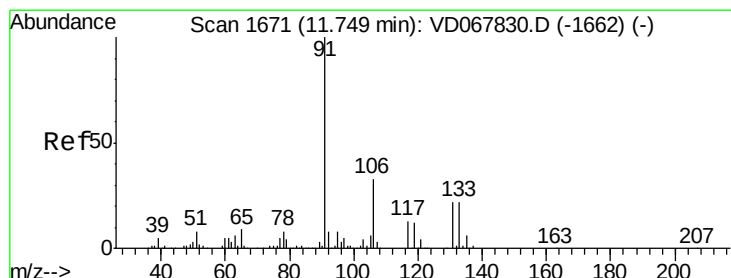
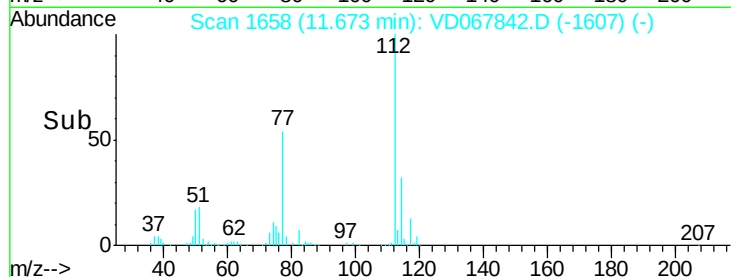
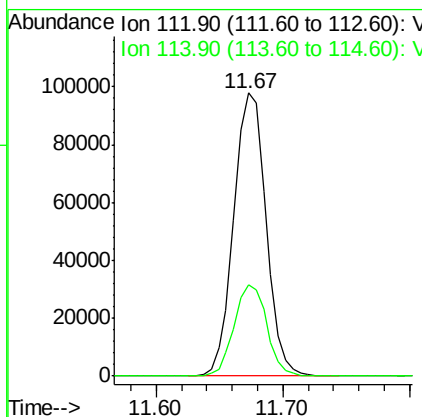
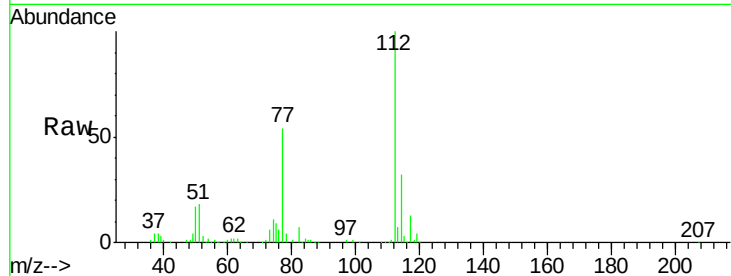
#65
Chlorobenzene
Concen: 46.181 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion:112 Resp: 172668
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4

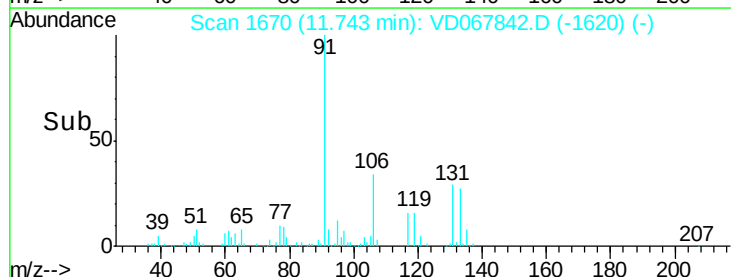
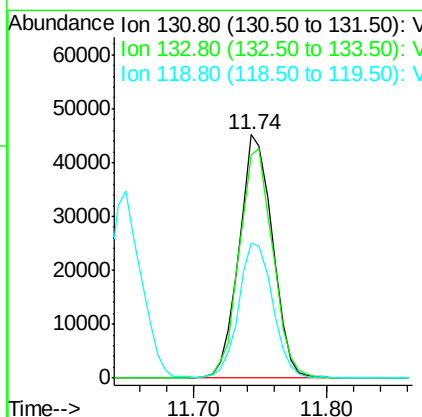
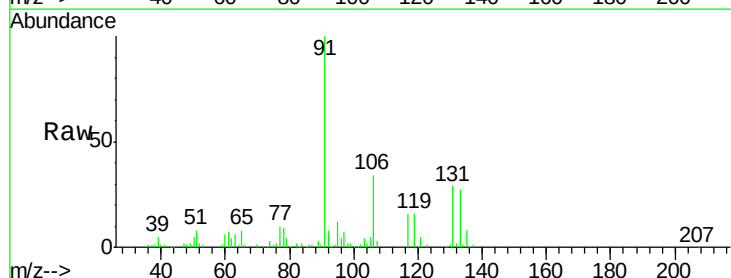
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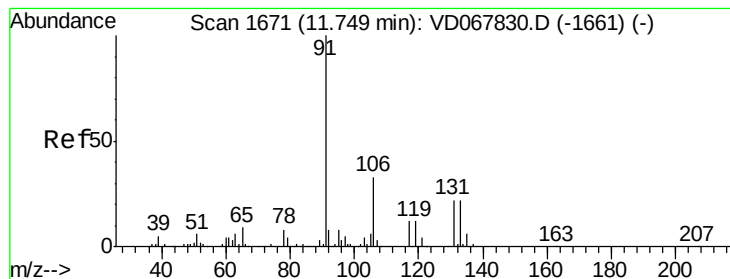
MMDadoda
12/3/2020 9:56:51 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.329 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion:131 Resp: 78276
Ion Ratio Lower Upper
131 100
133 94.7 49.9 149.7
119 56.4 29.6 88.9





#67

Ethyl Benzene

Concen: 42.966 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion: 91 Resp: 273659

Ion Ratio Lower Upper

91 100

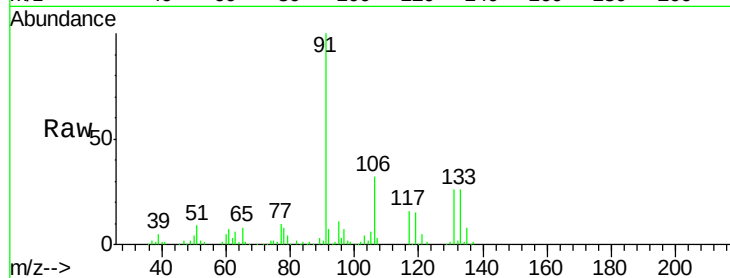
106 32.0 26.2 39.2

Manual Integrations

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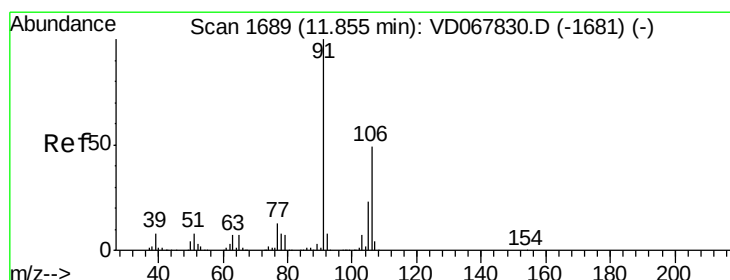
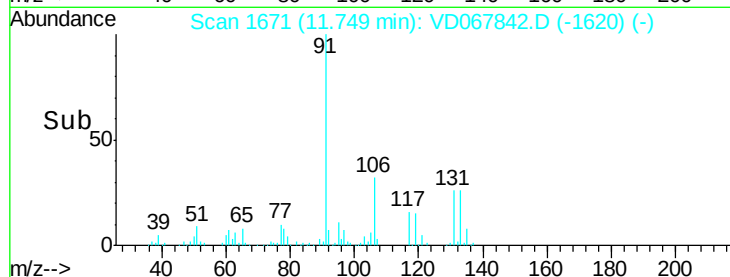
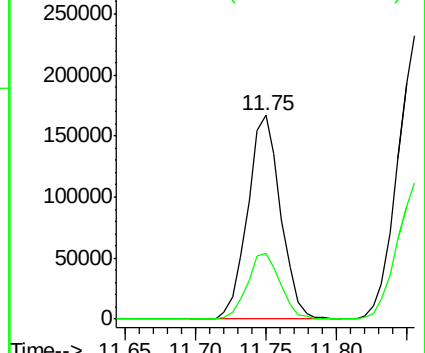
MMDadoda

12/3/2020 9:56:51 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 85.940 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD067842.D

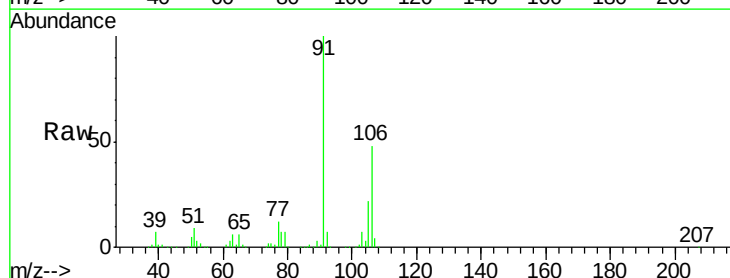
Acq: 02 Dec 2020 18:15

Tgt Ion: 106 Resp: 215835

Ion Ratio Lower Upper

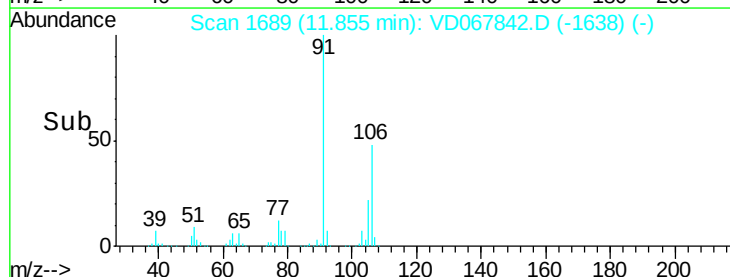
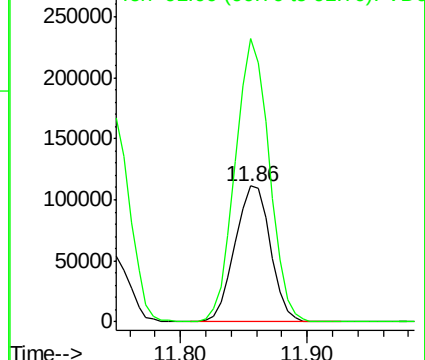
106 100

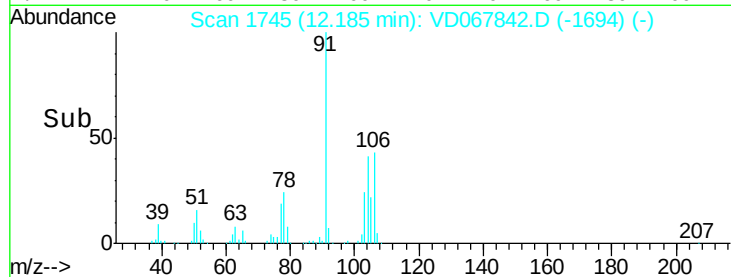
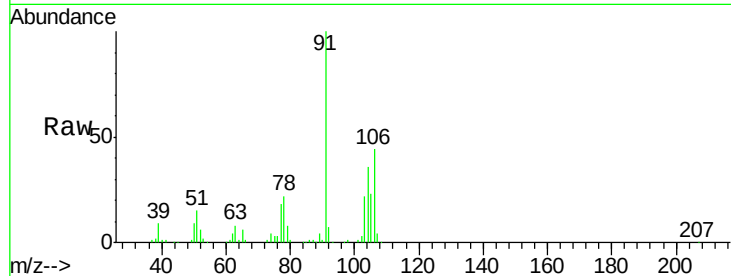
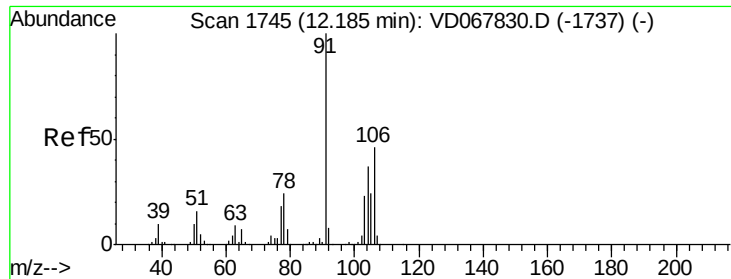
91 200.3 162.8 244.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





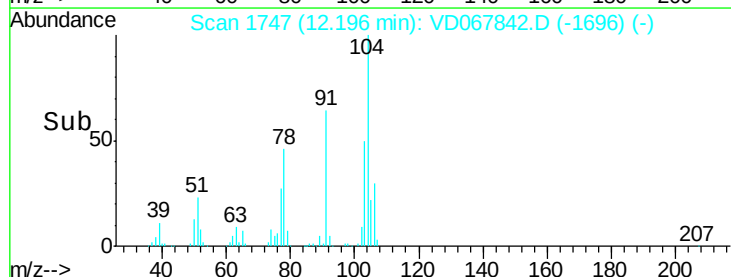
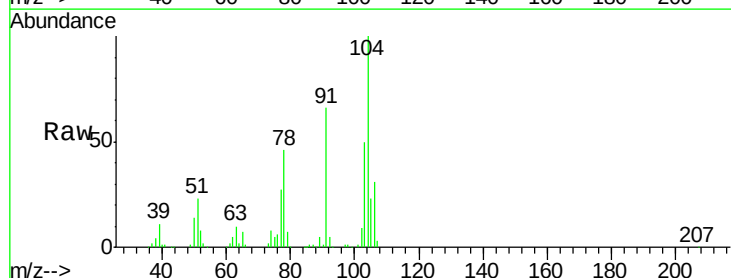
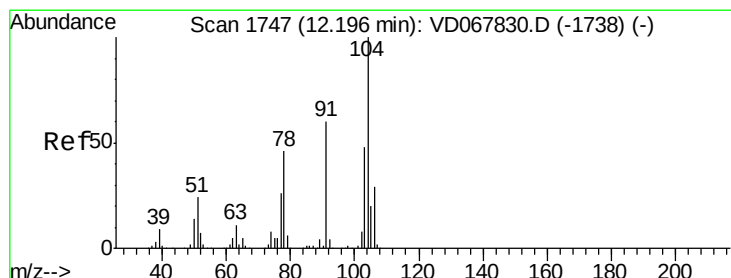
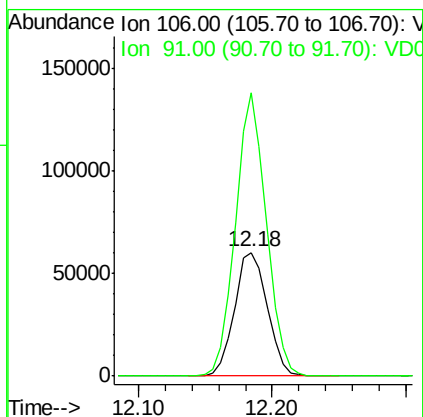
#69
o-Xylene
Concen: 46.213 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tot Ion	Ratio	Resp	Lower	Upper
106	100	103037		
91	214.7	107.5	322.5	

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

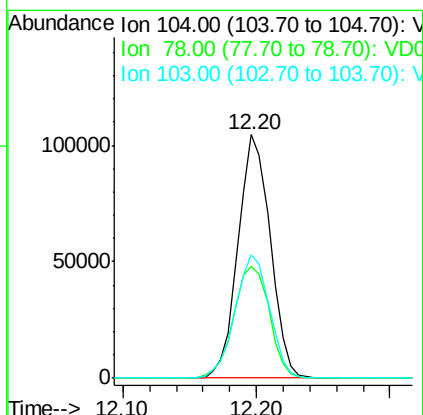
Manual Integrations
APPROVED

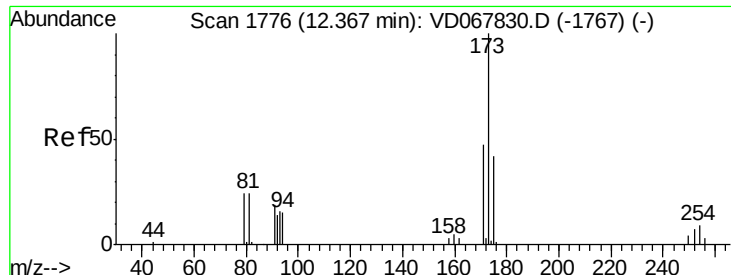
MMDadoda
12/3/2020 9:56:51 AM



#70
Styrene
Concen: 45.130 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	174966		
78	51.0	41.6	62.4	
103	54.2	43.2	64.8	





#71

Bromoform

Concen: 57.051 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

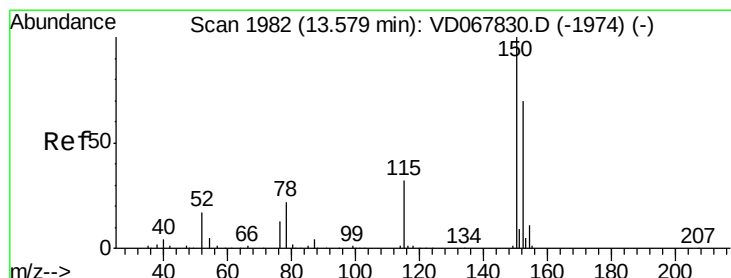
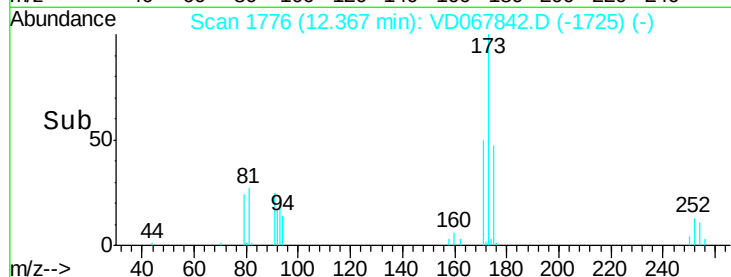
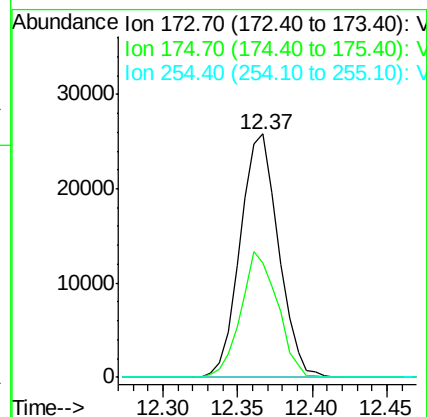
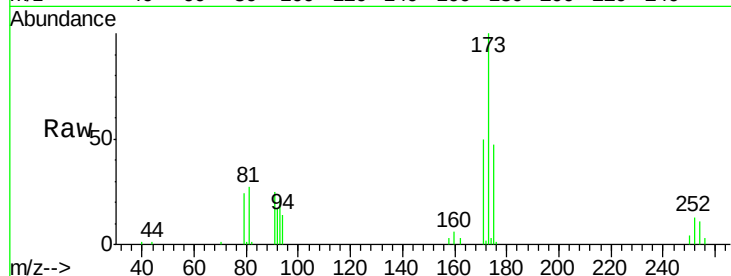
ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion:	173	Resp:	46053
Ion Ratio	Lower	Upper	
173	100		
175	49.3	23.4	70.3
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

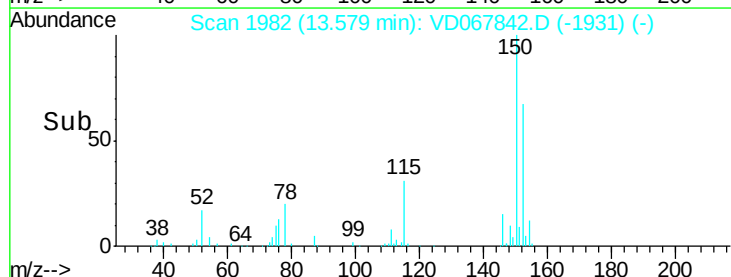
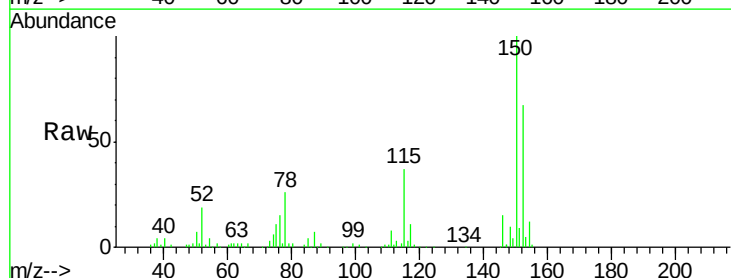
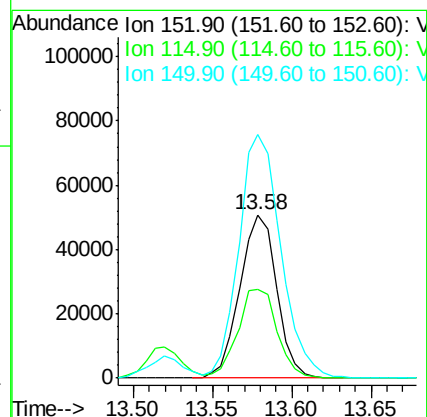
RT: 13.58 min Scan# 1982

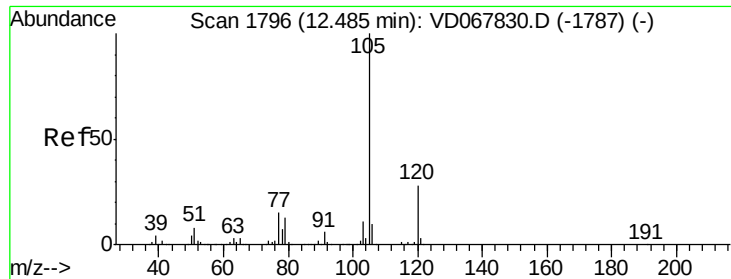
Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Tgt Ion:	152	Resp:	82015
Ion Ratio	Lower	Upper	
152	100		
115	58.4	29.1	87.4
150	170.4	0.0	339.0





#73

Isopropylbenzene

Concen: 43.297 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion: 105 Resp: 244204

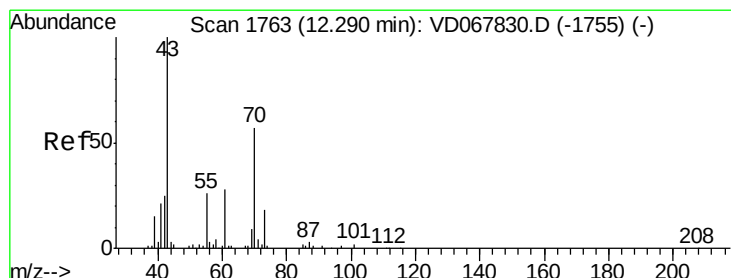
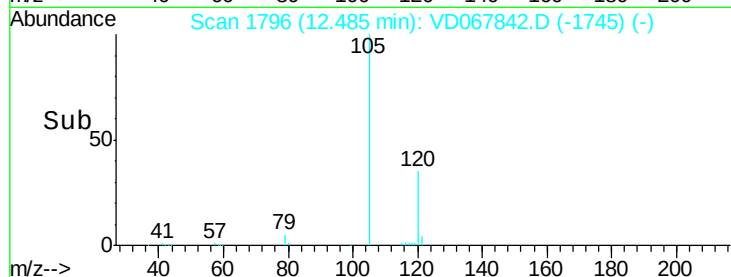
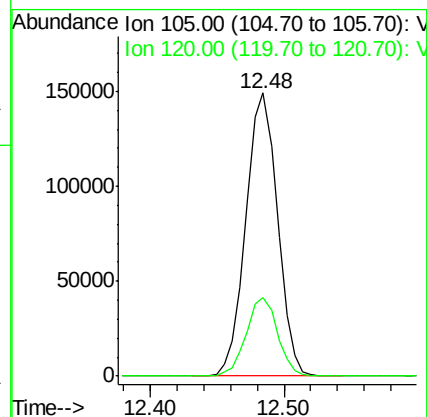
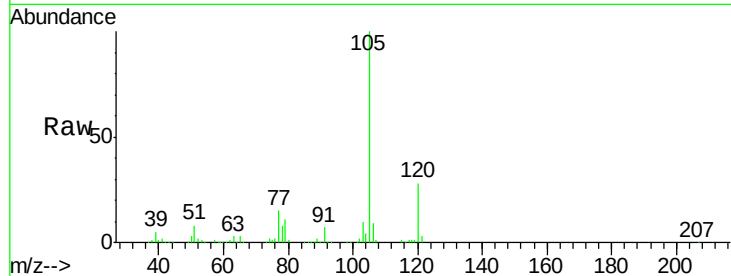
Ion Ratio Lower Upper

105 100

120 27.3 13.9 41.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 27.608 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Tgt Ion: 43 Resp: 19261

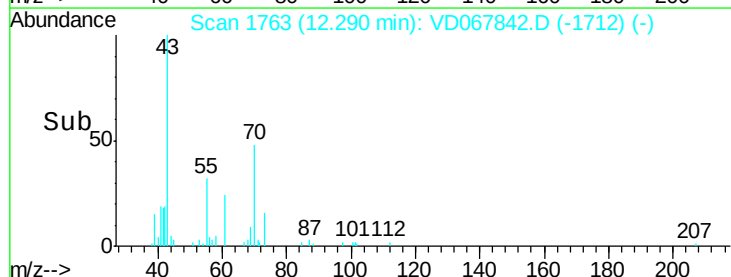
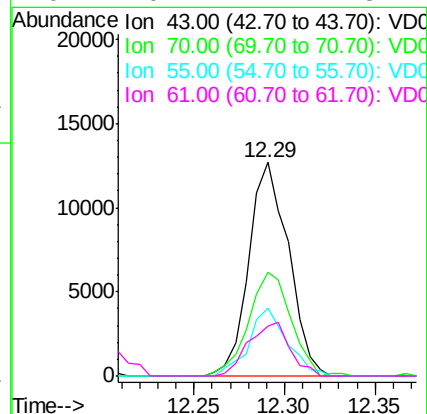
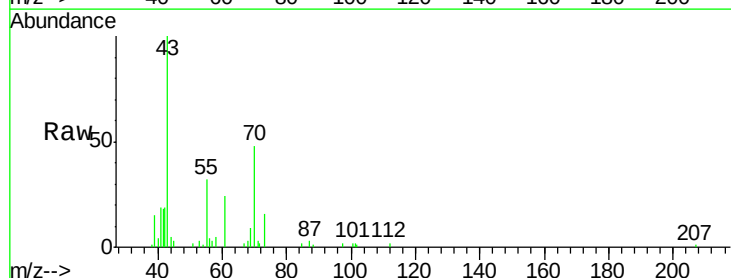
Ion Ratio Lower Upper

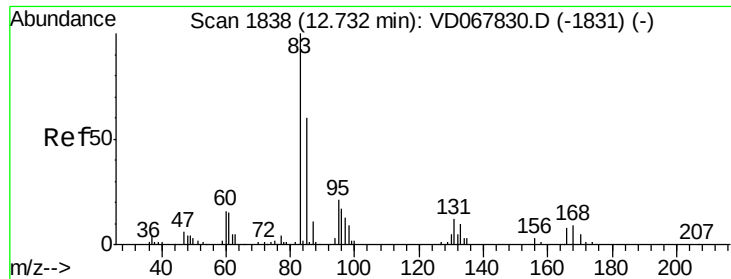
43 100

70 52.5 44.6 66.8

55 30.7 22.2 33.2

61 26.4 22.7 34.1





#75

1,1,2,2-Tetrachloroethane

Concen: 65.549 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

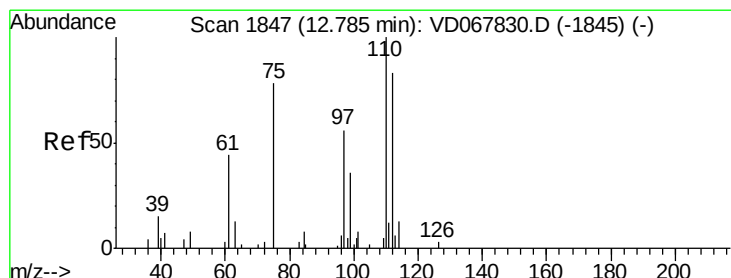
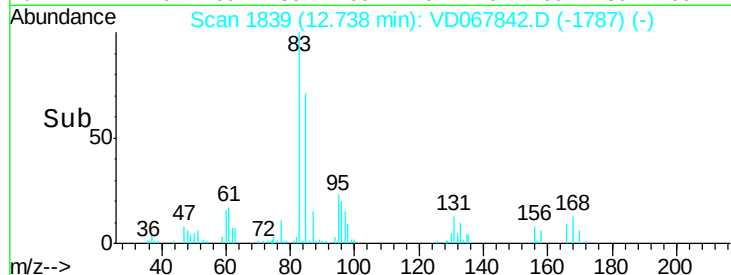
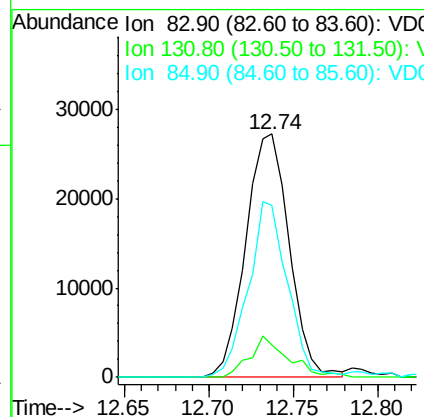
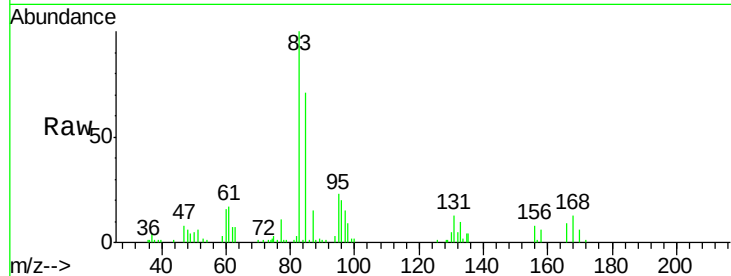
ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion:	83	Resp:	48810
Ion Ratio	Lower	Upper	
83	100		
131	15.1	8.0	24.0
85	65.0	31.7	95.1

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#76

1,2,3-Trichloropropane

Concen: 51.793 ug/l m

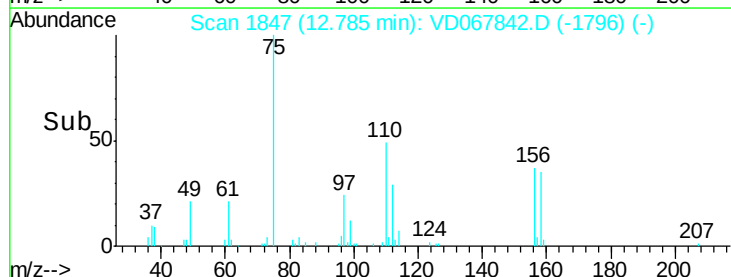
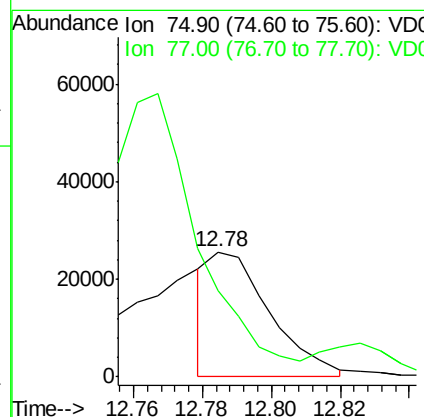
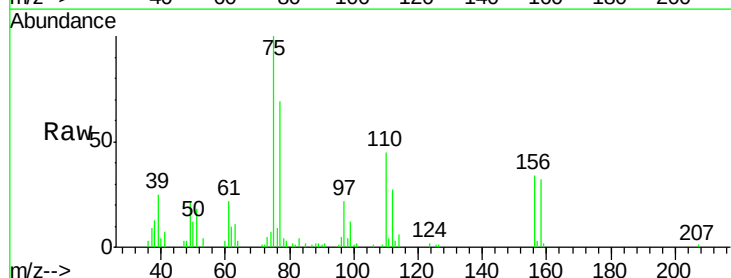
RT: 12.78 min Scan# 1847

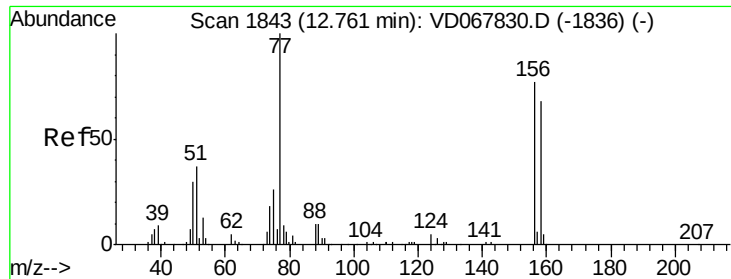
Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Tgt Ion:	75	Resp:	30934
Ion Ratio	Lower	Upper	
75	100		
77	354.9	175.9	527.7





#77

Bromobenzene

Concen: 51.957 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

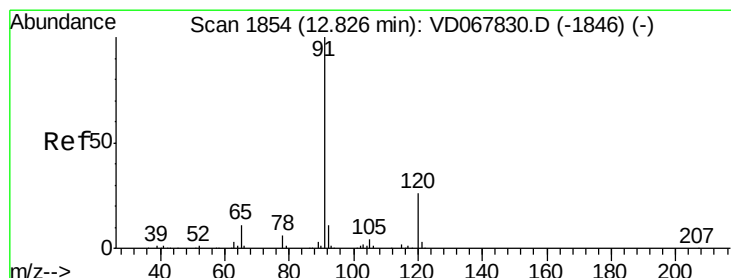
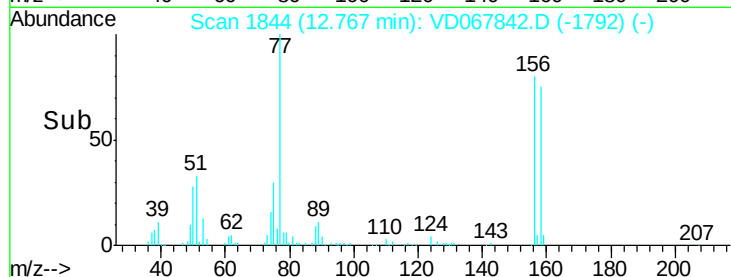
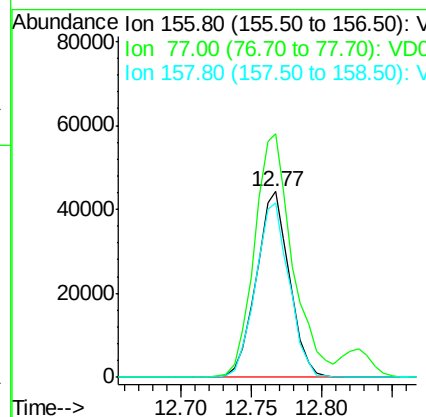
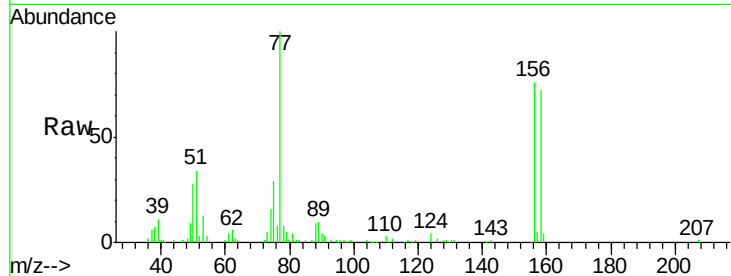
ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion:	156	Resp:	72854
Ion Ratio	Lower	Upper	
156	100		
77	150.7	71.5	214.5
158	95.4	47.1	141.4

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#78

n-propylbenzene

Concen: 39.190 ug/l

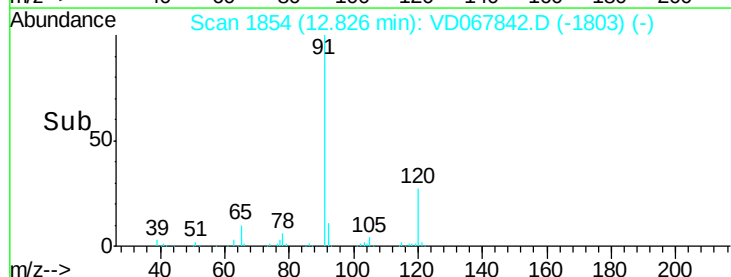
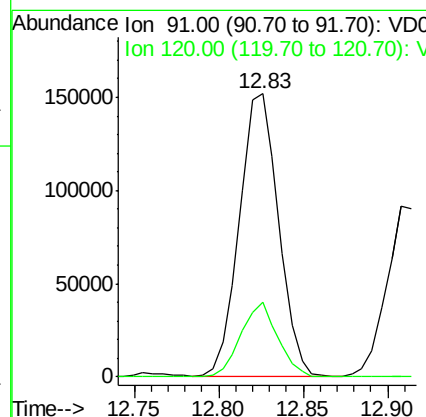
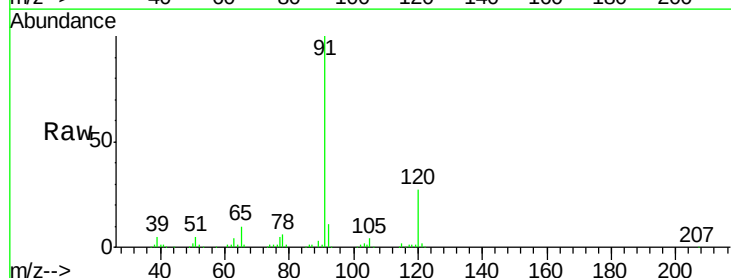
RT: 12.83 min Scan# 1854

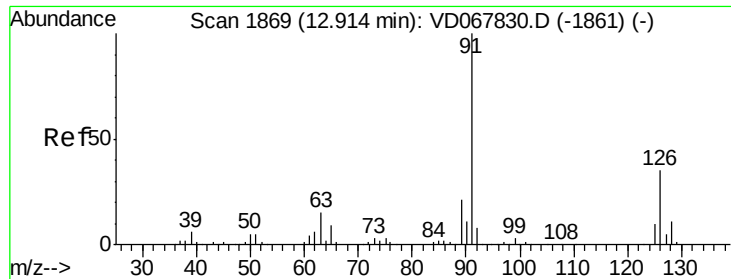
Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Tgt Ion:	91	Resp:	244985
Ion Ratio	Lower	Upper	
91	100		
120	24.9	12.7	38.0





#79

2-Chlorotoluene

Concen: 41.598 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion: 91 Resp: 152979

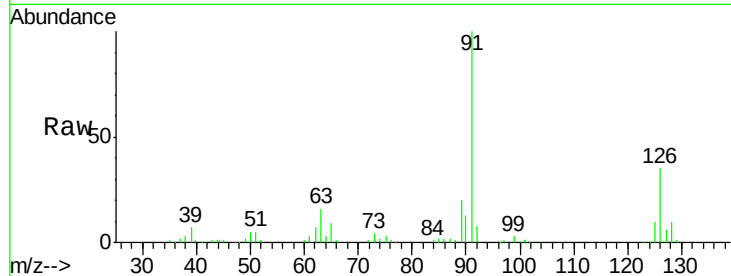
Ion Ratio Lower Upper

91 100

126 37.0 17.9 53.7

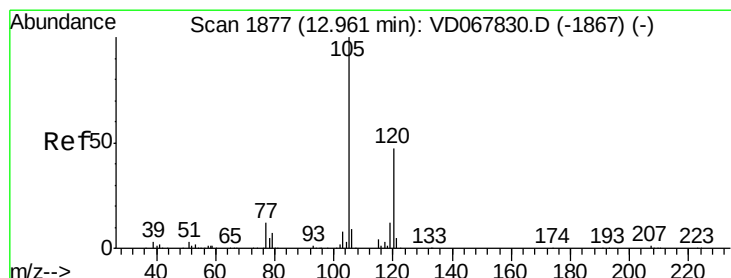
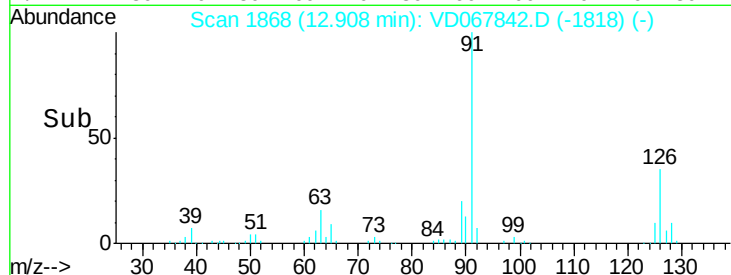
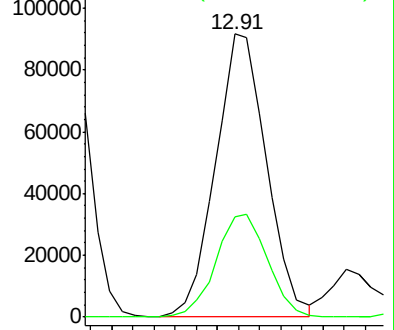
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 42.048 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067842.D

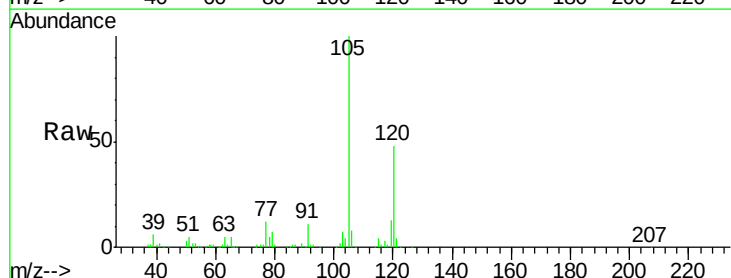
Acq: 02 Dec 2020 18:15

Tgt Ion: 105 Resp: 205333

Ion Ratio Lower Upper

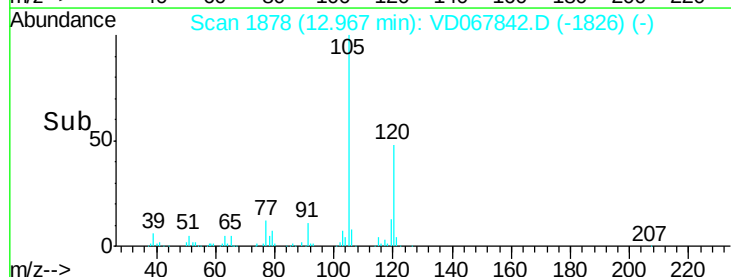
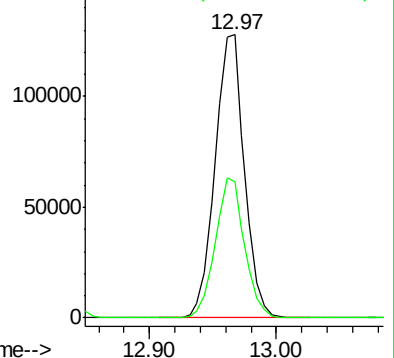
105 100

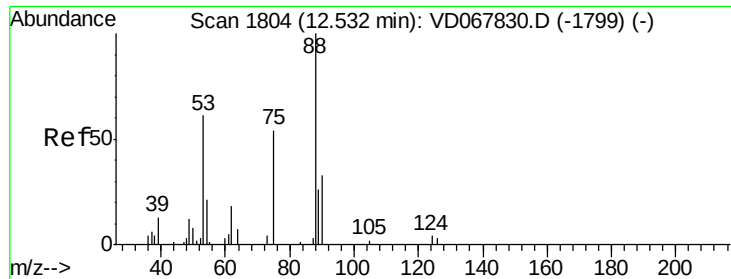
120 49.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 58.331 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

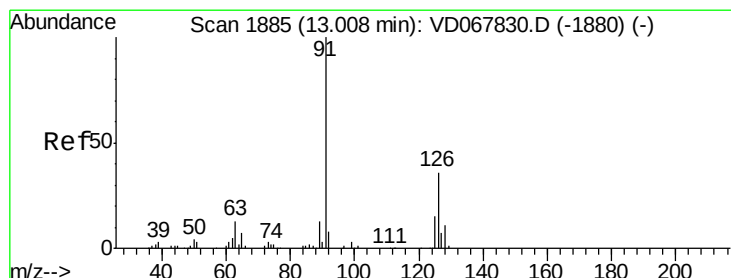
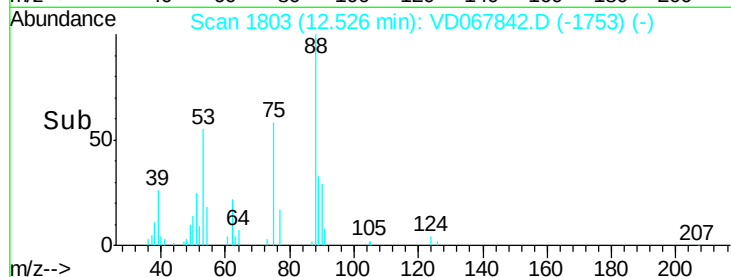
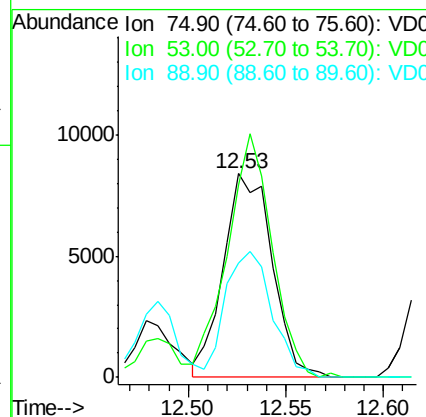
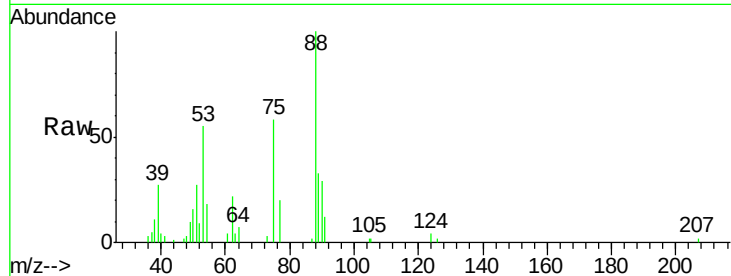
ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion:	75	Resp:	14564
Ion	Ratio	Lower	Upper
75	100		
53	111.0	84.6	127.0
89	58.8	41.0	61.6

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#82

4-Chlorotoluene

Concen: 41.665 ug/l

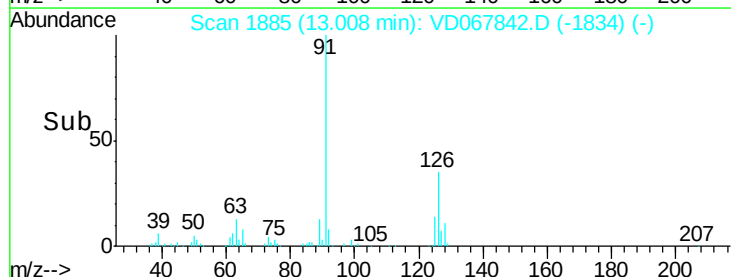
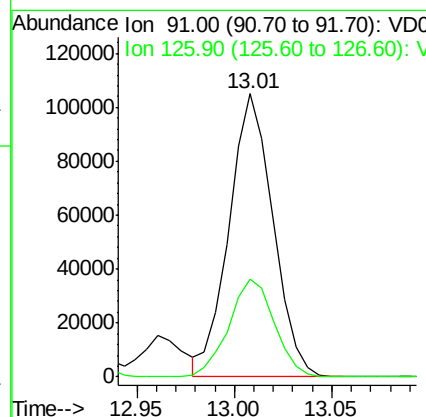
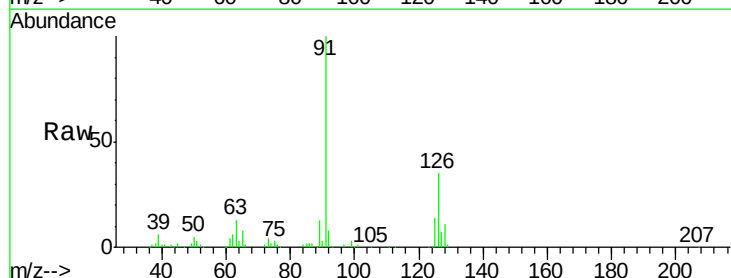
RT: 13.01 min Scan# 1885

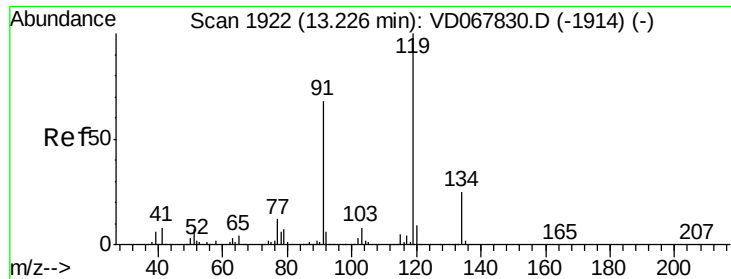
Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Tgt Ion:	91	Resp:	163451
Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.1	54.4





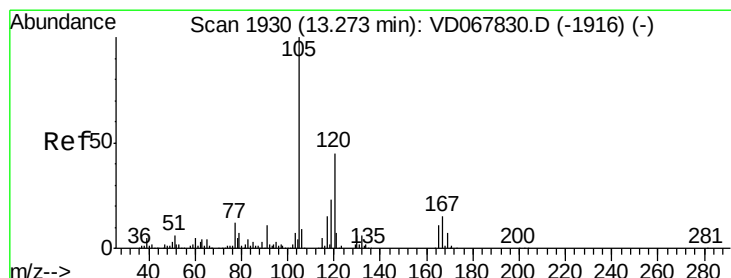
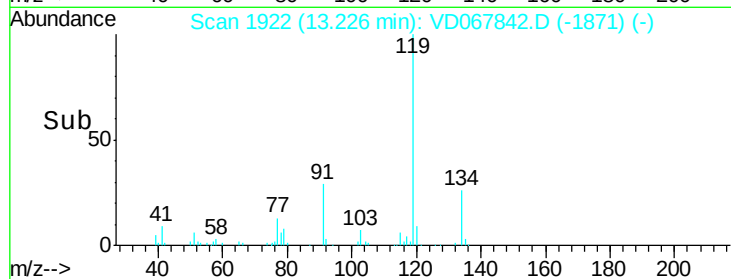
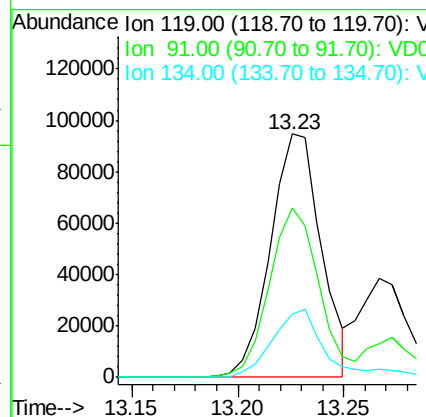
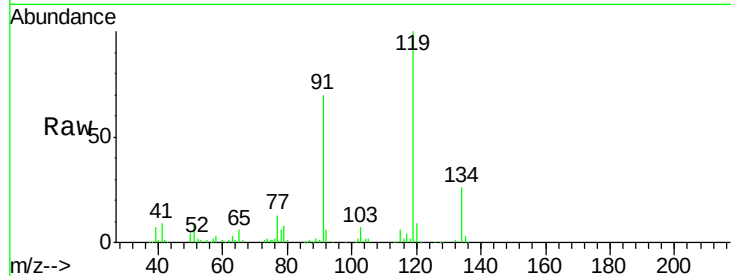
#83
 tert-Butylbenzene
 Concen: 38.137 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	158478		
91	68.4	33.1	99.3	
134	29.5	13.6	40.8	

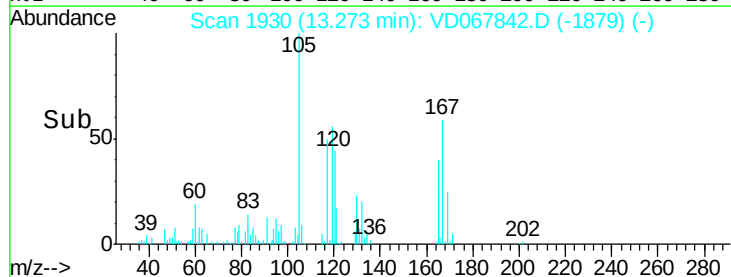
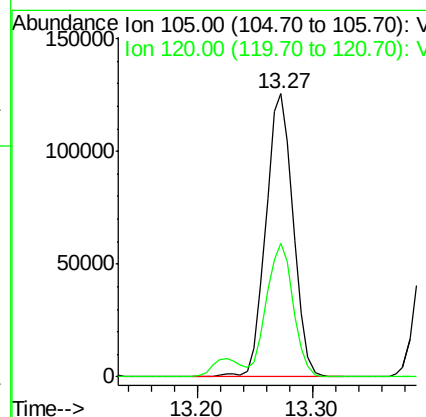
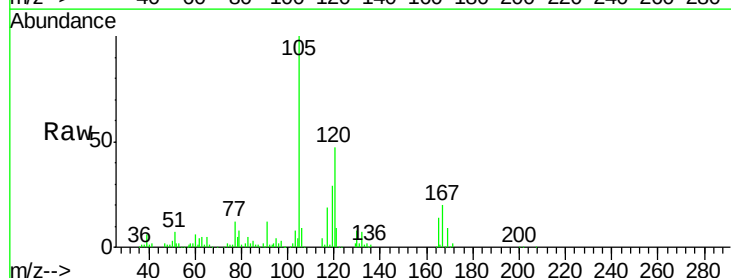
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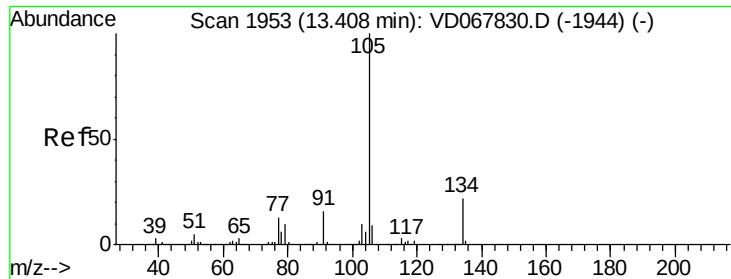
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#84
 1,2,4-Trimethylbenzene
 Concen: 42.688 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	207290		
120	46.2	22.1	66.5	





#85

sec-Butylbenzene

Concen: 31.365 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

Instrument :

MSVOA_D

ClientSampleId :

KENS-B4-112320-0-2MS

Tot Ion:105 Resp: 173962

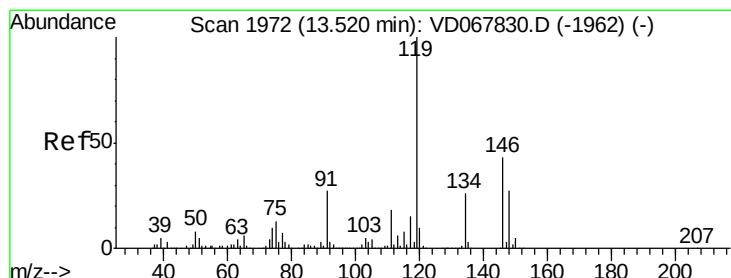
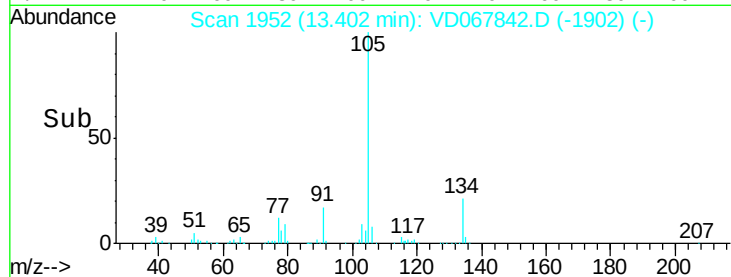
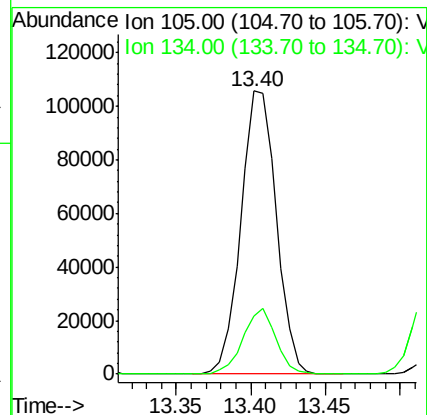
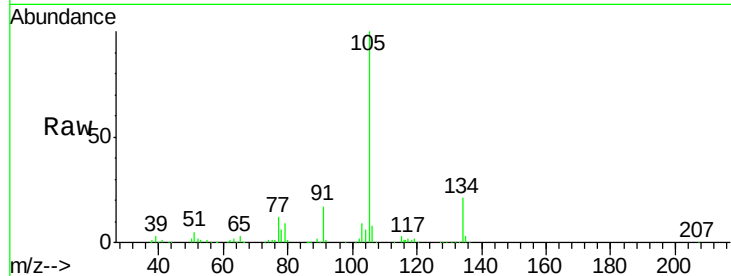
Ion Ratio Lower Upper

105 100

134 21.5 10.9 32.9

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#86

p-Isopropyltoluene

Concen: 32.027 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067842.D

Acq: 02 Dec 2020 18:15

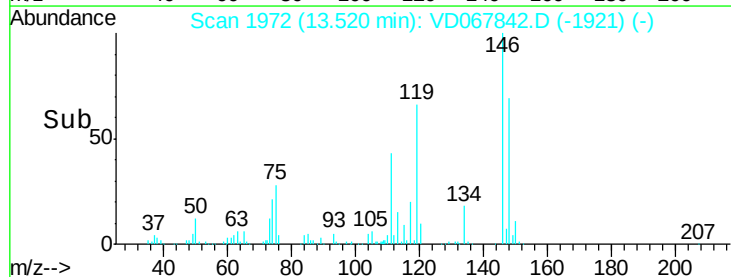
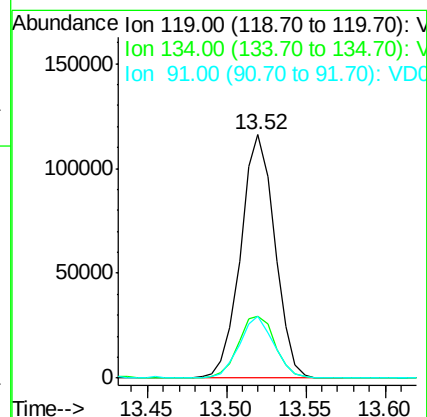
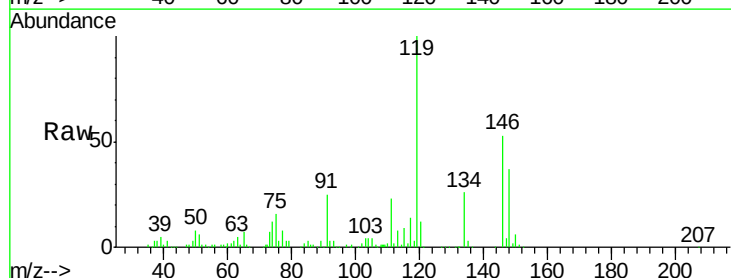
Tgt Ion:119 Resp: 174089

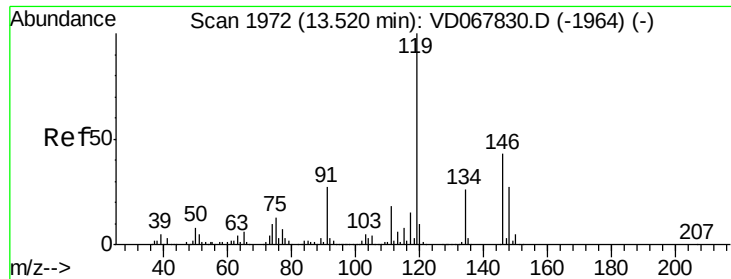
Ion Ratio Lower Upper

119 100

134 27.1 13.1 39.3

91 25.7 12.8 38.3





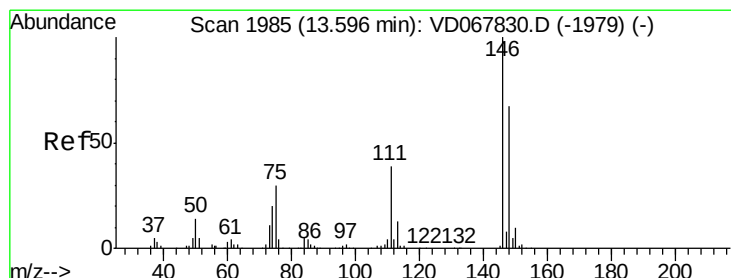
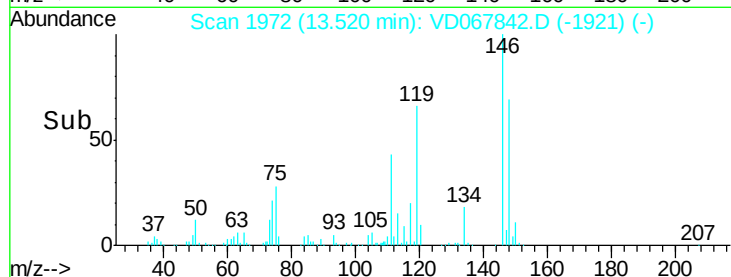
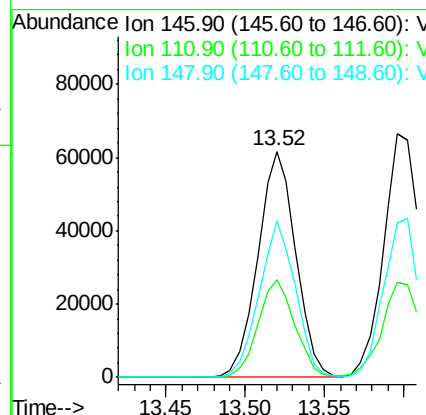
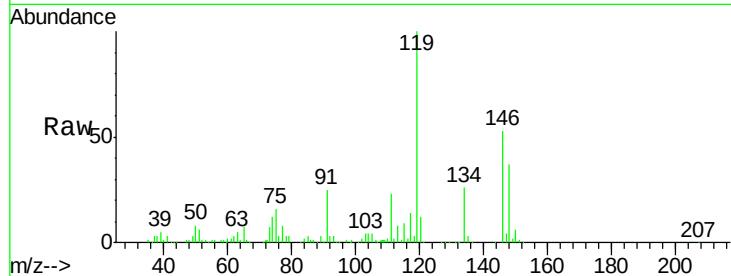
#87
 1,3-Dichlorobenzene
 Concen: 37.852 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Resp	Lower	Upper
146	100	102383		
111	42.0		20.8	62.2
148	66.6		32.9	98.6

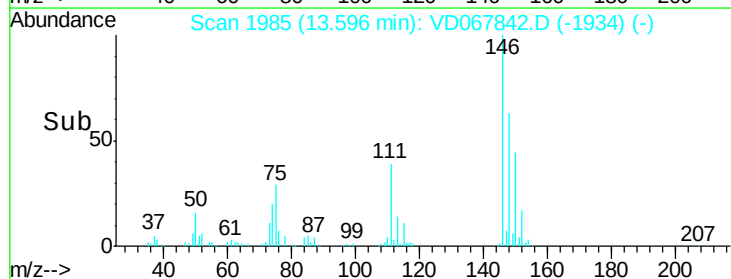
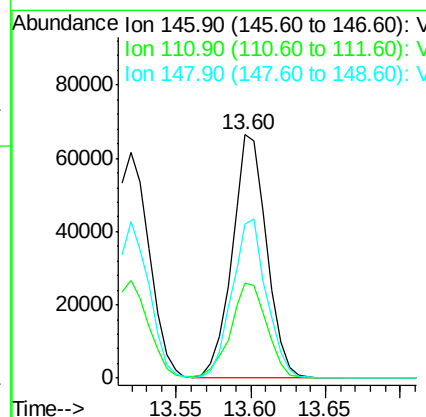
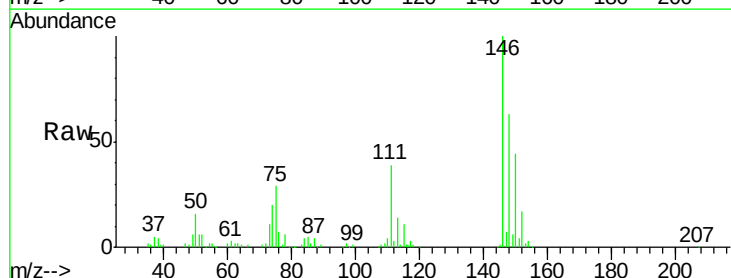
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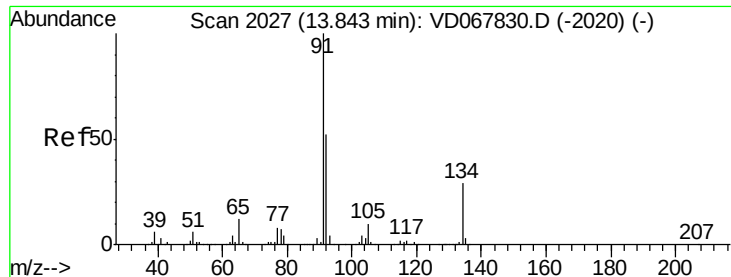
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#88
 1,4-Dichlorobenzene
 Concen: 39.566 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	107066		
111	40.9		19.9	59.6
148	65.2		32.4	97.2





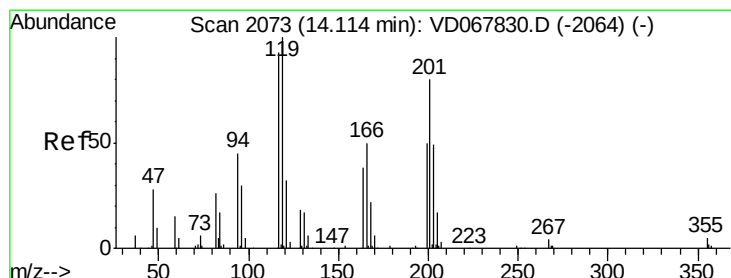
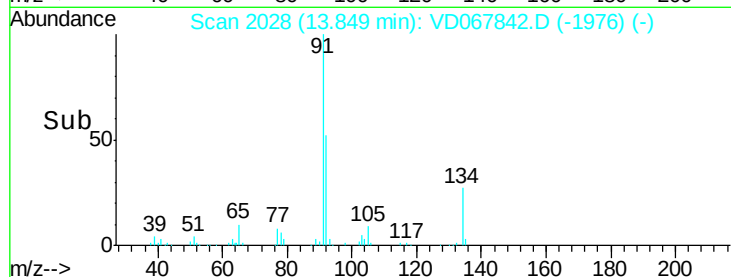
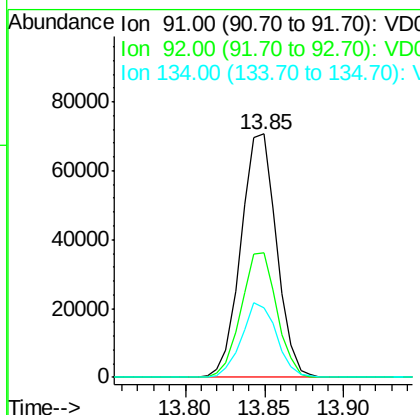
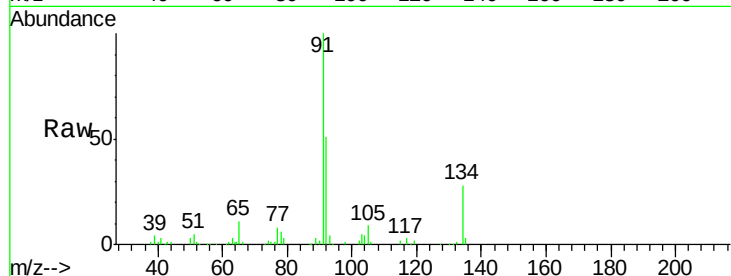
#89
n-Butylbenzene
Concen: 24.397 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Resp	Lower	Upper
91	100	110175		
92	51.3	26.3	78.8	
134	30.1	14.8	44.3	

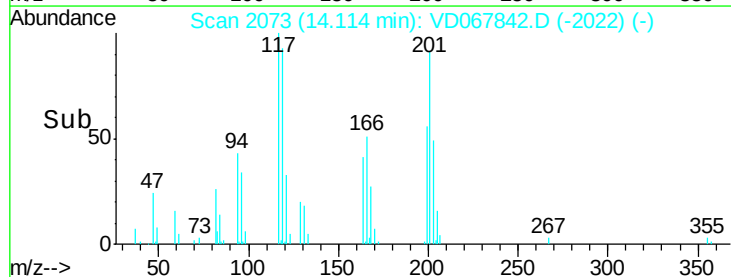
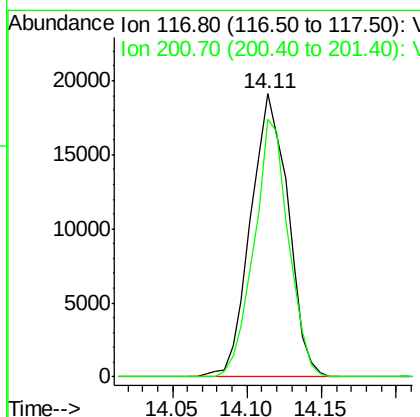
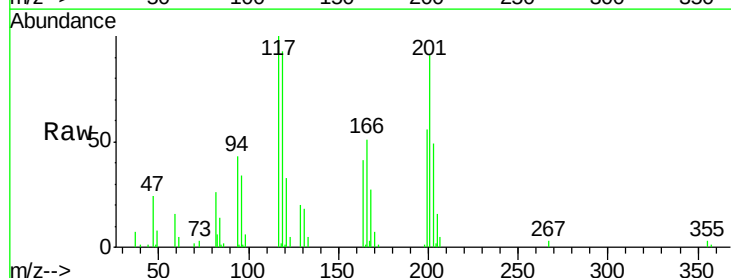
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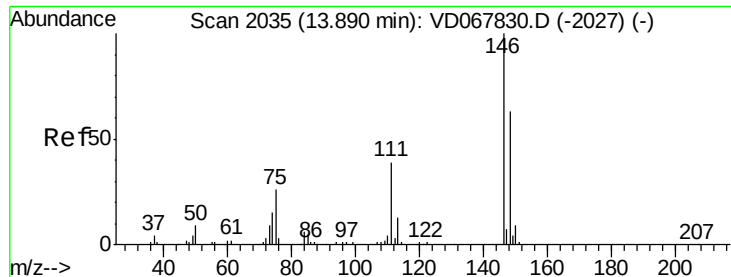
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#90
Hexachloroethane
Concen: 33.024 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33142		
201	83.4	43.9	131.6	





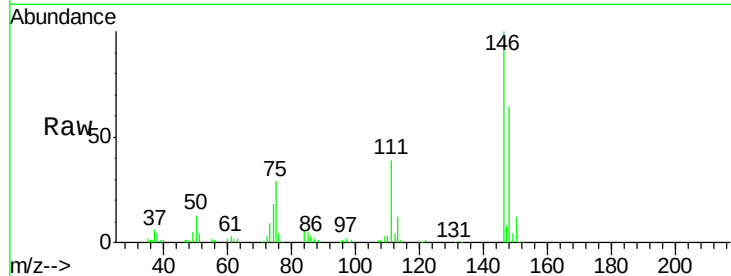
#91
 1,2-Dichlorobenzene
 Concen: 41.883 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

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

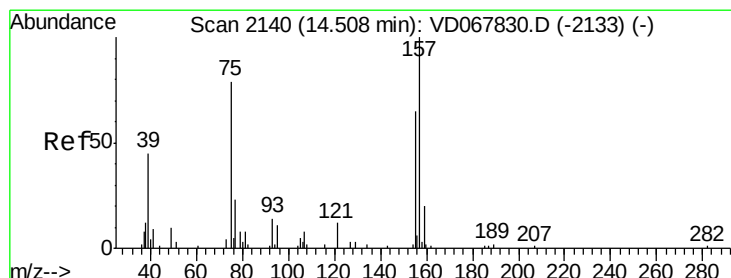
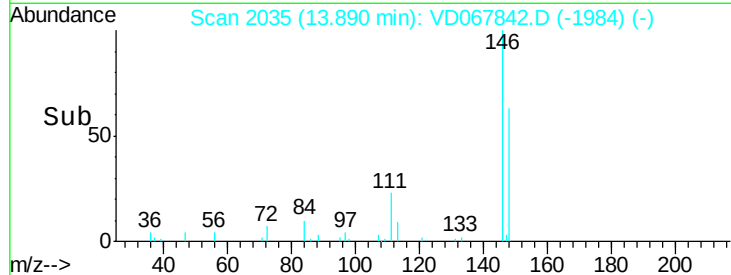
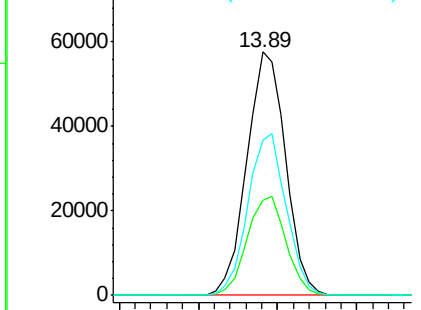
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.2
148	65.7	32.1	96.3

Manual Integrations
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MMDadoda
 12/3/2020 9:56:51 AM

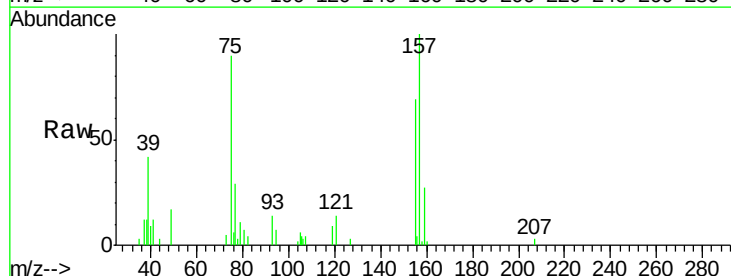


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

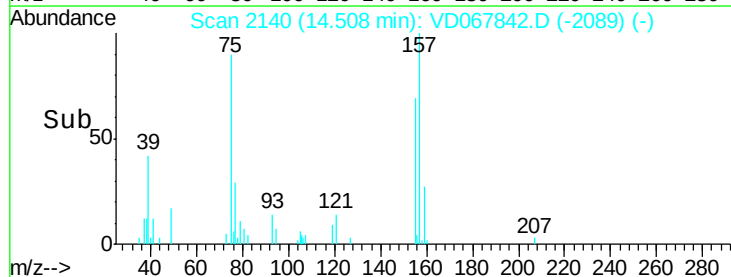
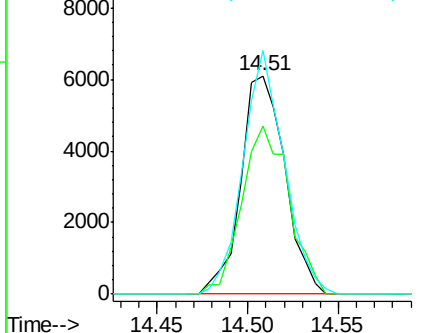


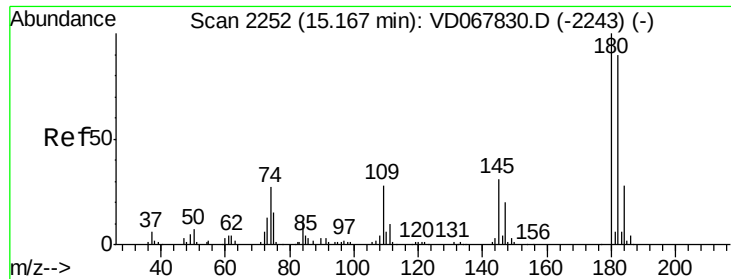
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.336 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD067842.D
 Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	44.1	132.4
157	104.4	62.4	187.2



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





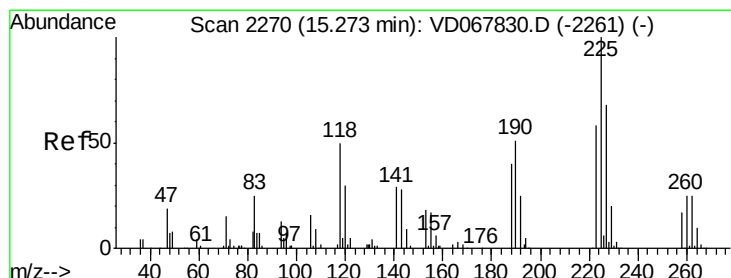
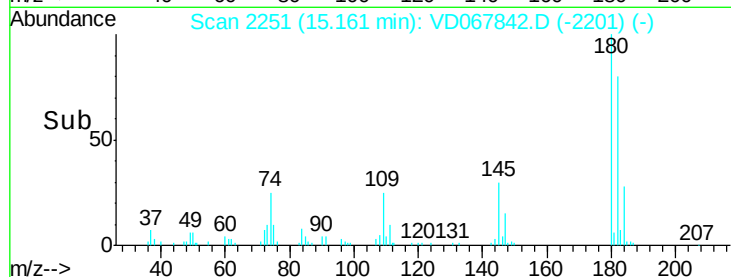
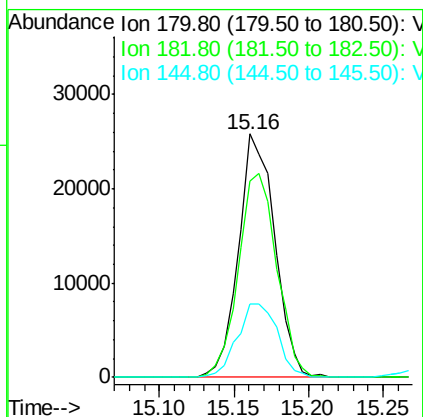
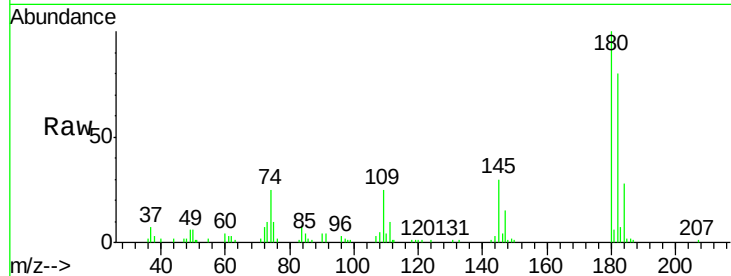
#93
1,2,4-Trichlorobenzene
Concen: 26.499 ug/l
RT: 15.16 min Scan# 2251
Delta R.T. -0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.8	47.5	142.6
145	33.3	16.4	49.4

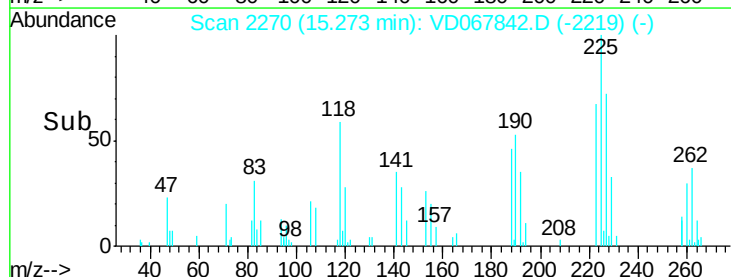
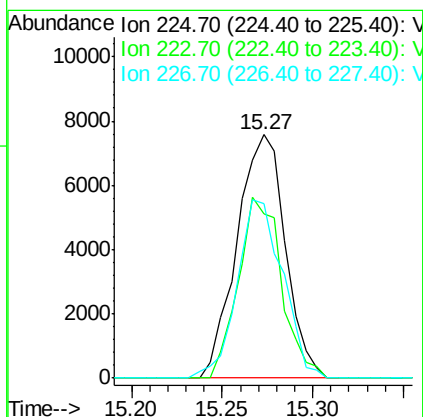
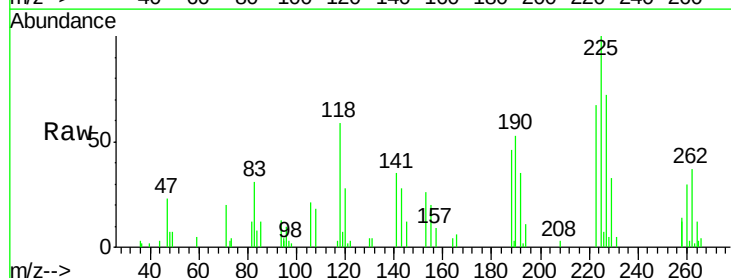
Manual Integrations
APPROVED

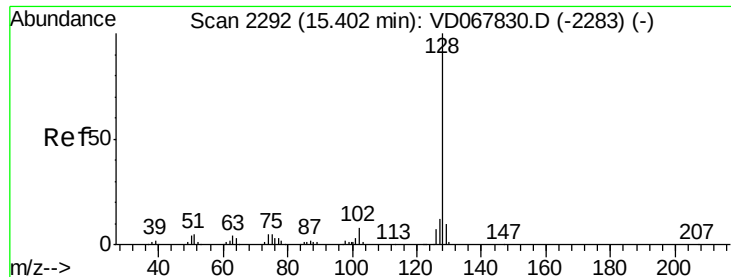
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#94
Hexachlorobutadiene
Concen: 13.116 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	31.1	93.3
227	68.9	33.1	99.3





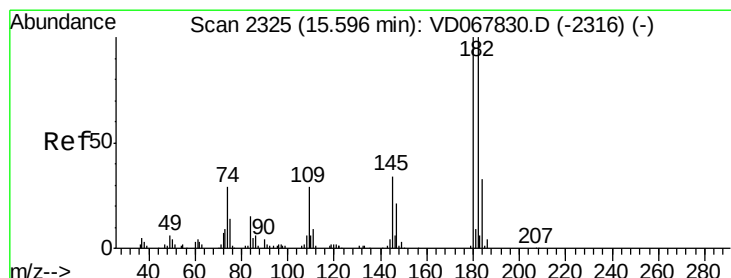
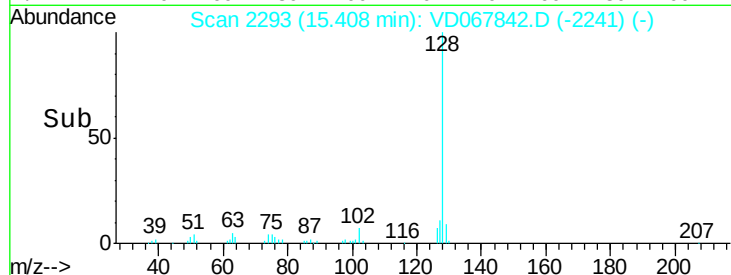
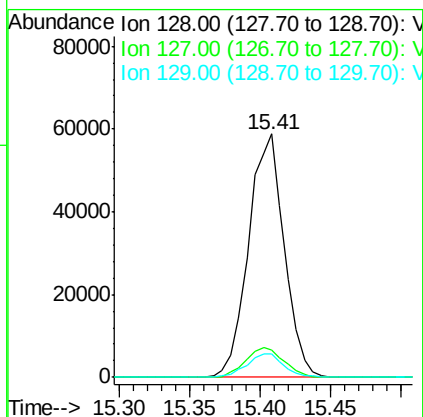
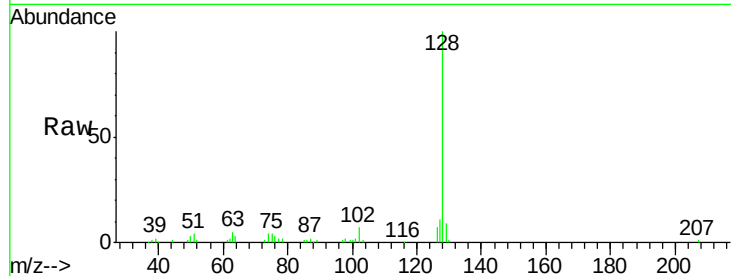
#95
Naphthalene
Concen: 38.989 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

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

Tot Ion:	128	Resp:	104107
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.1	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 25.851 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VD067842.D
Acq: 02 Dec 2020 18:15

Tgt Ion:	180	Resp:	36633
Ion Ratio	Lower	Upper	
180	100		
182	98.4	47.3	142.0
145	34.8	16.8	50.4

