

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066354.D
 Acq On : 21 Aug 2020 11:52
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

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 8/24/2020 4:36:34 PM

Quant Time: Aug 21 12:57:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 12:48:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	240090	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	341535	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	311554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	164641	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	46177	21.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	42.44%	
35) Dibromofluoromethane	7.91	113	42085	19.53	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	39.06%	
50) Toluene-d8	10.34	98	152409	19.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.44%	
62) 4-Bromofluorobenzene	12.63	95	55049	19.24	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	38.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	44534	20.980	ug/l	96
3) Chloromethane	2.21	50	30072	18.443	ug/l	100
4) Vinyl Chloride	2.35	62	31450	21.212	ug/l	95
5) Bromomethane	2.75	94	23031	23.122	ug/l	96
6) Chloroethane	2.91	64	19487	21.238	ug/l	96
7) Trichlorofluoromethane	3.27	101	86184	22.146	ug/l	95
8) Diethyl Ether	3.70	74	18136	17.220	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	42005	18.838	ug/l	98
10) Methyl Iodide	4.30	142	44757	24.586	ug/l	99
11) Tert butyl alcohol	5.20	59	21334m	98.814	ug/l	
12) 1,1-Dichloroethene	4.06	96	39385	18.665	ug/l	93
13) Acrolein	3.91	56	10486	64.744	ug/l	97
14) Allyl chloride	4.71	41	51707	16.500	ug/l	99
15) Acrylonitrile	5.42	53	38539	87.365	ug/l	97
16) Acetone	4.16	43	38489	94.418	ug/l	100
17) Carbon Disulfide	4.41	76	119209	17.875	ug/l	99
18) Methyl Acetate	4.71	43	16622	16.521	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	95893	19.642	ug/l	99
20) Methylene Chloride	4.96	84	53990	19.588	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	46684	19.287	ug/l	94
22) Diisopropyl ether	6.36	45	103907	16.770	ug/l	97
23) Vinyl Acetate	6.30	43	318923	87.242	ug/l	98
24) 1,1-Dichloroethane	6.26	63	73565	18.896	ug/l	98
25) 2-Butanone	7.21	43	48048	82.487	ug/l	98
26) 2,2-Dichloropropane	7.21	77	76154	21.068	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	48461	19.019	ug/l	97
28) Bromochloromethane	7.54	49	23863	17.502	ug/l	95
29) Tetrahydrofuran	7.56	42	28238	79.437	ug/l	98
30) Chloroform	7.71	83	82387	19.762	ug/l	94
31) Cyclohexane	7.98	56	64185	17.399	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	83062	20.987	ug/l	98
36) 1,1-Dichloropropene	8.11	75	63044	19.704	ug/l	98
37) Ethyl Acetate	7.29	43	23880	19.101	ug/l #	96
38) Carbon Tetrachloride	8.10	117	81178	22.026	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	72808	18.745	ug/l	97
40) Benzene	8.34	78	164065	18.522	ug/l	97
41) Methacrylonitrile	7.53	41	13373m	17.873	ug/l	
42) 1,2-Dichloroethane	8.42	62	56406	21.029	ug/l	97
43) Isopropyl Acetate	8.45	43	43351	17.578	ug/l	97
44) Trichloroethene	9.11	130	53486	19.871	ug/l	95
45) 1,2-Dichloropropane	9.38	63	37732	17.605	ug/l	96
46) Dibromomethane	9.47	93	23582	19.704	ug/l	97
47) Bromodichloromethane	9.66	83	65232	20.427	ug/l	99
48) Methyl methacrylate	9.46	41	22111	17.816	ug/l	95
49) 1,4-Dioxane	9.46	88	5079	331.676	ug/l #	85
51) 4-Methyl-2-Pentanone	10.23	43	108075	86.112	ug/l	98
52) Toluene	10.40	92	113134	19.343	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	59945	19.787	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	67303	19.090	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	31490	18.397	ug/l	95
56) Ethyl methacrylate	10.66	69	36776	17.986	ug/l	98
57) 1,3-Dichloropropane	10.94	76	52698	18.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	78528	86.558	ug/l	98
59) 2-Hexanone	10.98	43	73755	83.351	ug/l	97
60) Dibromochloromethane	11.14	129	47534	19.928	ug/l	98
61) 1,2-Dibromoethane	11.24	107	31591	19.236	ug/l	99
64) Tetrachloroethene	10.87	164	47866	19.878	ug/l	98
65) Chlorobenzene	11.67	112	125388	19.703	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	51658	20.681	ug/l	97
67) Ethyl Benzene	11.74	91	221145	19.976	ug/l	97
68) m/p-Xylenes	11.85	106	170458	39.935	ug/l	94
69) o-Xylene	12.18	106	79928	20.617	ug/l	97
70) Styrene	12.19	104	139632	20.573	ug/l	99
71) Bromoform	12.36	173	29984	20.364	ug/l #	97
73) Isopropylbenzene	12.48	105	222583	20.153	ug/l	100
74) N-amyl acetate	12.28	43	41111	17.422	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	32898	17.862	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	21086m	15.526	ug/l	
77) Bromobenzene	12.76	156	56395	19.826	ug/l	99
78) n-propylbenzene	12.82	91	255007	19.912	ug/l	100
79) 2-Chlorotoluene	12.91	91	146385	20.033	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	192385	20.698	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	10936	17.833	ug/l	93
82) 4-Chlorotoluene	13.00	91	154568	19.976	ug/l	98
83) tert-Butylbenzene	13.23	119	164022	20.197	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	193806	20.963	ug/l	100
85) sec-Butylbenzene	13.40	105	222807	20.347	ug/l	99
86) p-Isopropyltoluene	13.52	119	212821	20.614	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	105605	19.782	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	105566	19.882	ug/l	98
89) n-Butylbenzene	13.84	91	183761	19.929	ug/l	99
90) Hexachloroethane	14.11	117	41058	19.982	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	92348	19.667	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6131	18.862	ug/l	93

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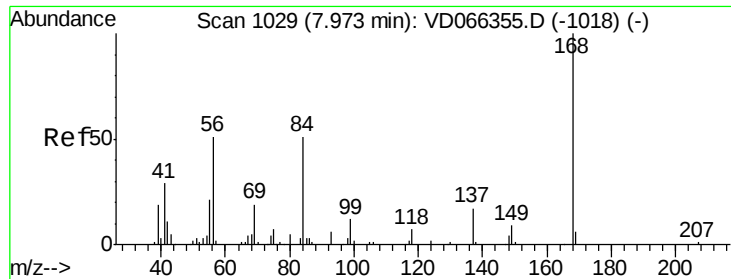
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	70308	20.132	ug/l	99
94) Hexachlorobutadiene	15.27	225	43308	20.796	ug/l	95
95) Naphthalene	15.41	128	107550	19.048	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	59932	19.502	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

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ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 240090

Ion Ratio Lower Upper

168 100

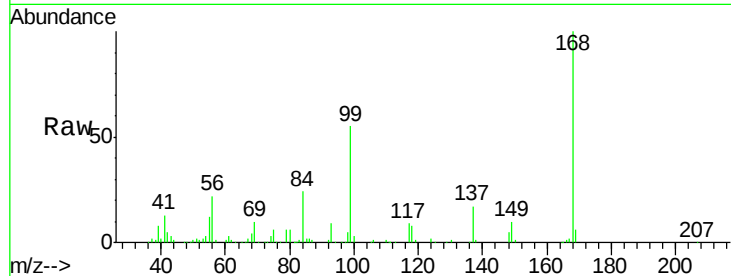
99 54.8 45.4 68.0

Manual Integrations

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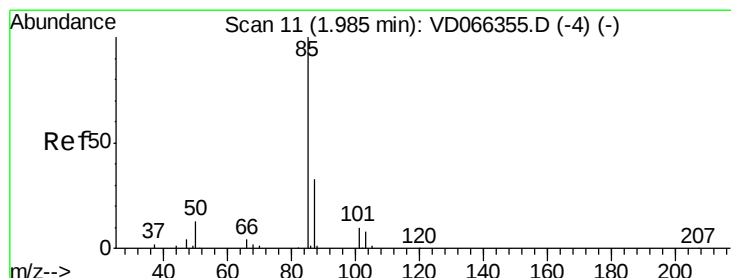
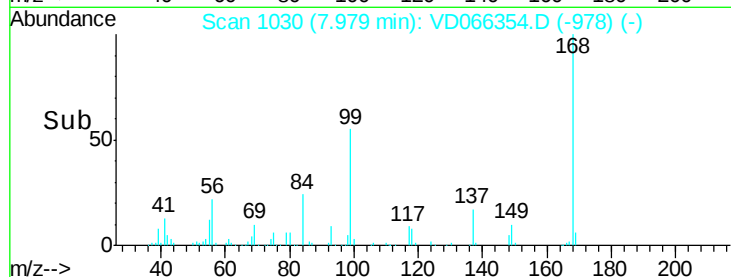
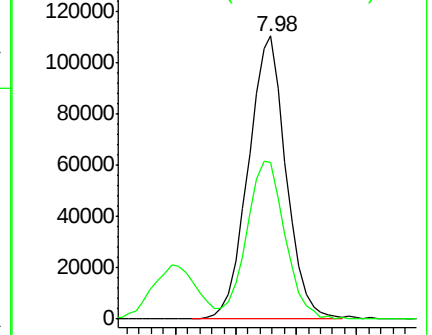
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.980 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066354.D

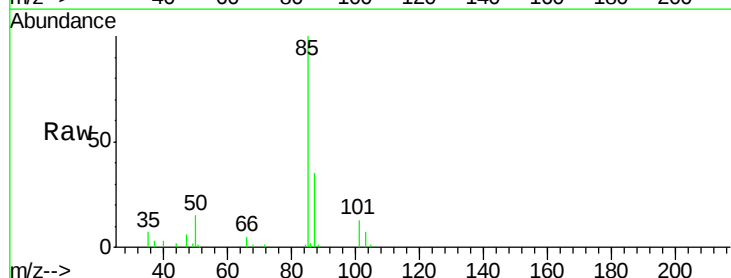
Acq: 21 Aug 2020 11:52

Tgt Ion: 85 Resp: 44534

Ion Ratio Lower Upper

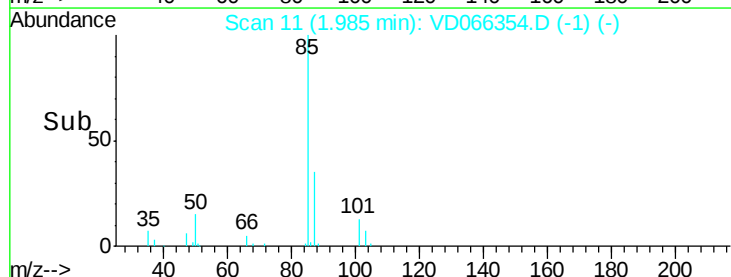
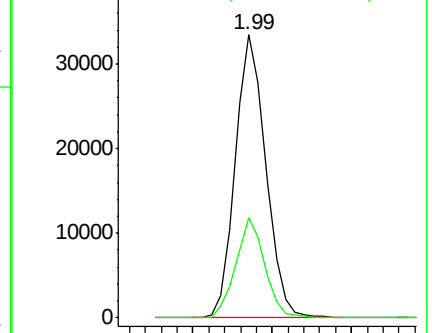
85 100

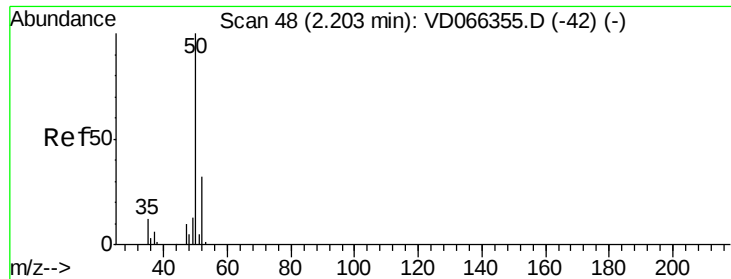
87 35.3 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.443 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 30072

Ion Ratio Lower Upper

50 100

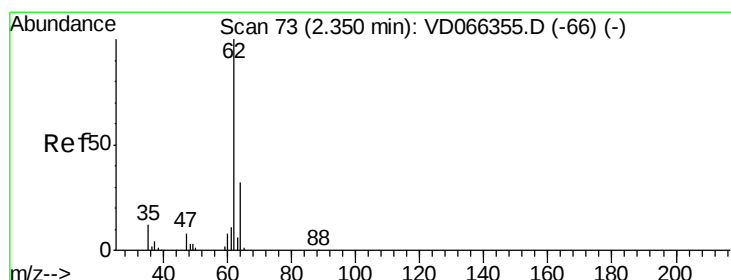
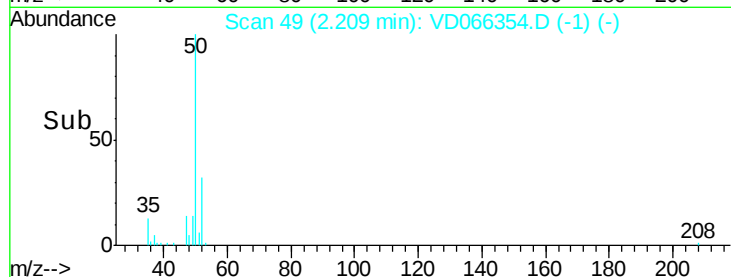
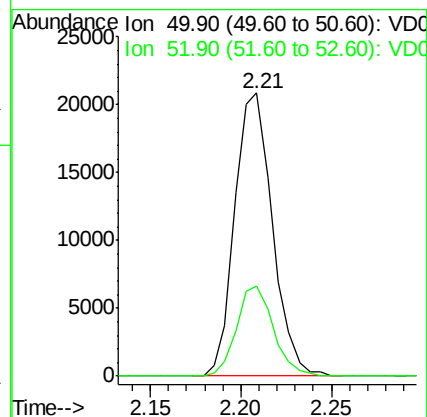
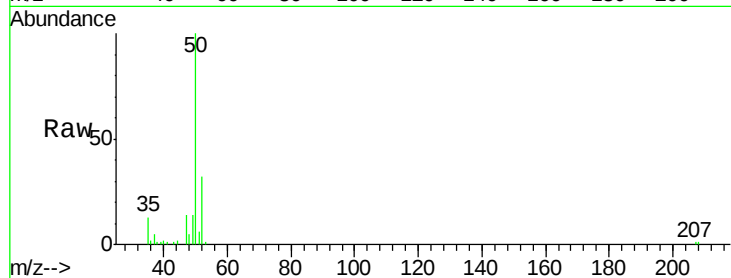
52 32.0 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.212 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066354.D

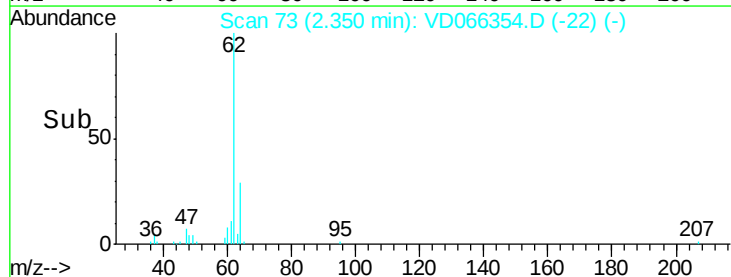
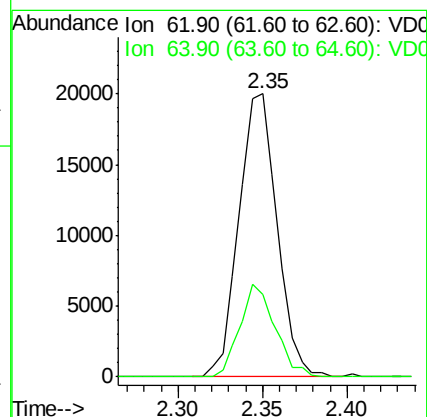
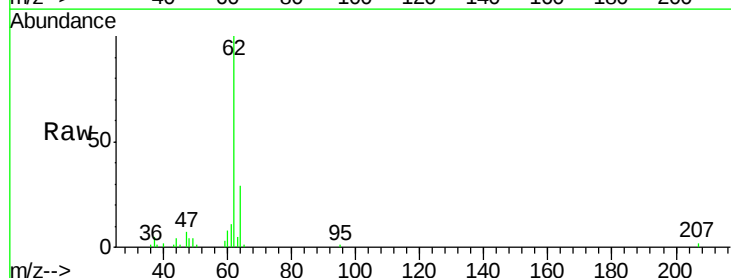
Acq: 21 Aug 2020 11:52

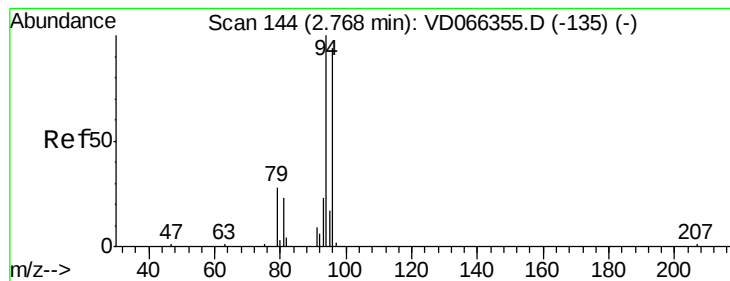
Tgt Ion: 62 Resp: 31450

Ion Ratio Lower Upper

62 100

64 29.2 25.4 38.2





#5

Bromomethane

Concen: 23.122 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 23031

Ion Ratio Lower Upper

94 100

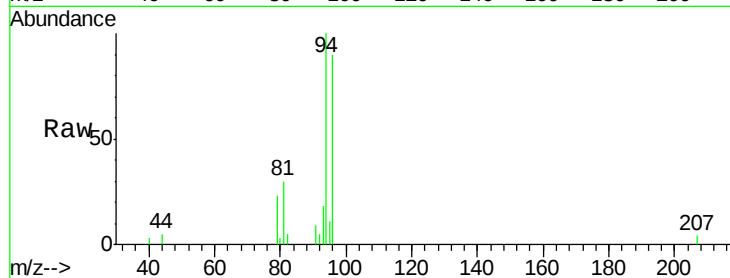
96 89.5 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.75

12000

10000

8000

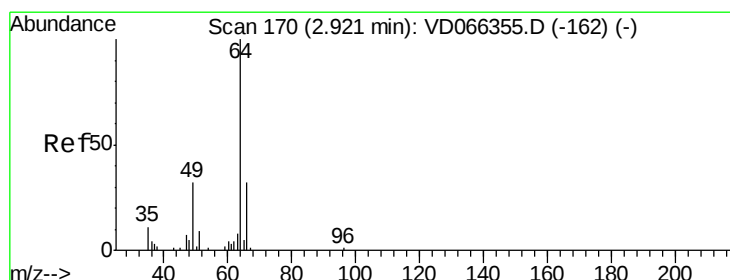
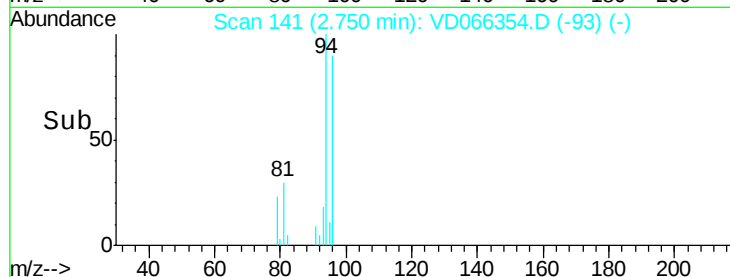
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 21.238 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066354.D

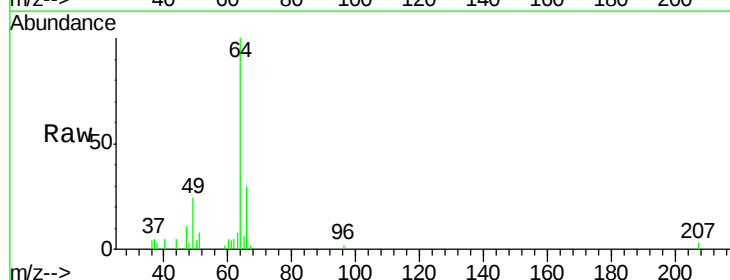
Acq: 21 Aug 2020 11:52

Tgt Ion: 64 Resp: 19487

Ion Ratio Lower Upper

64 100

66 29.9 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

10000

8000

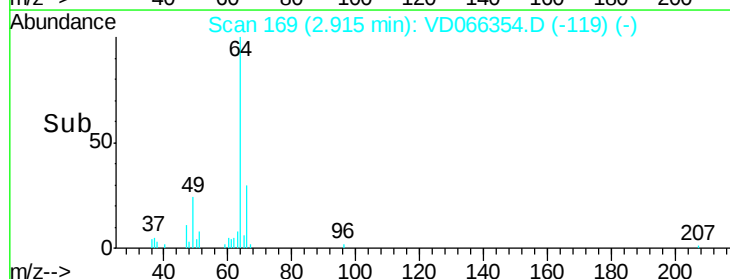
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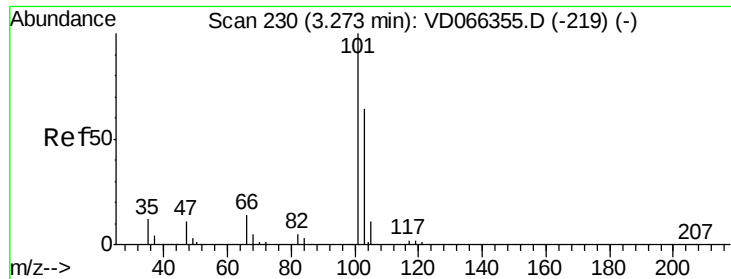
4000

2000

0

Time-->





#7

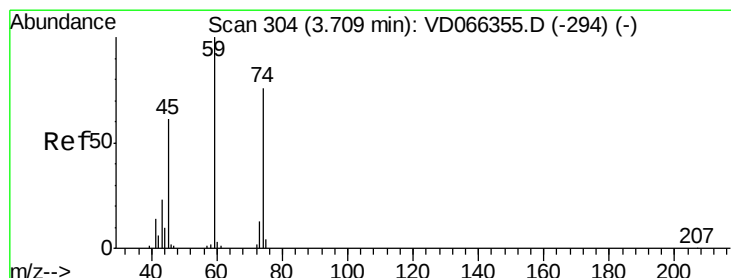
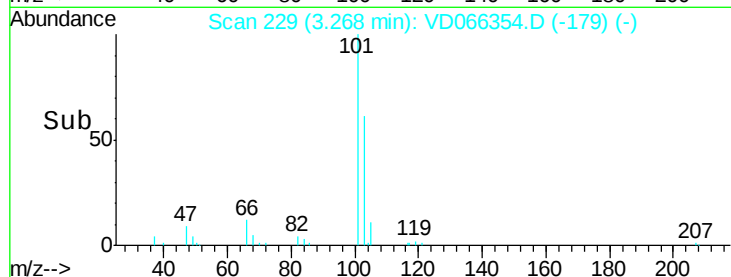
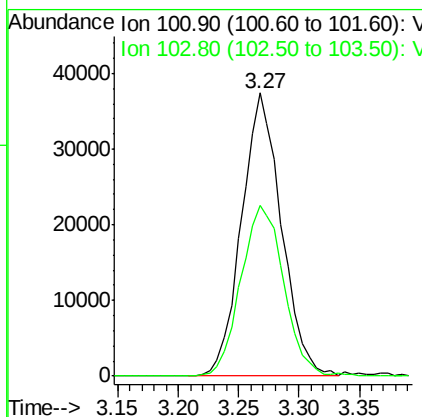
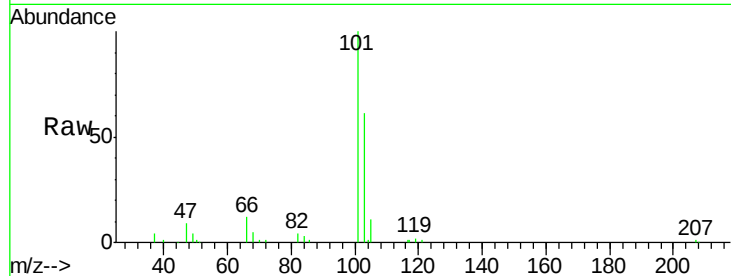
Trichlorofluoromethane
 Concen: 22.146 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066354.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.5	51.4	77.0

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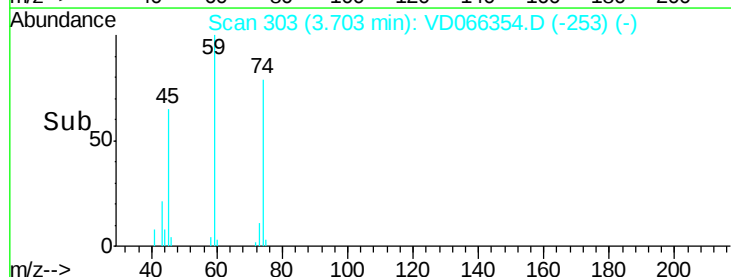
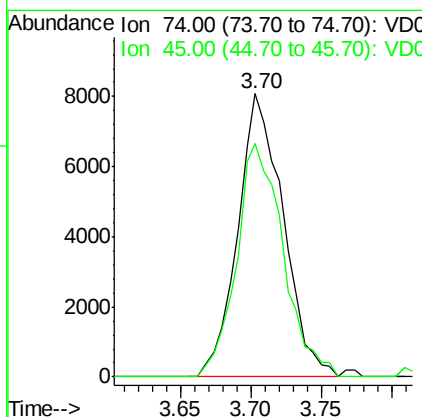
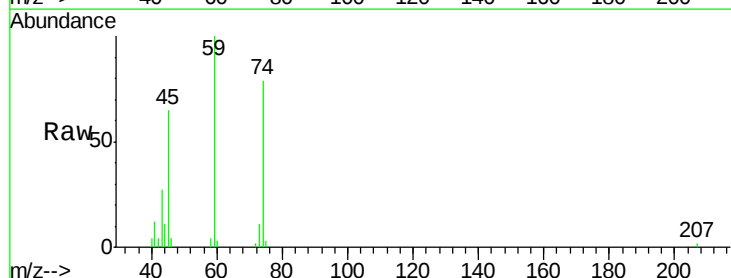
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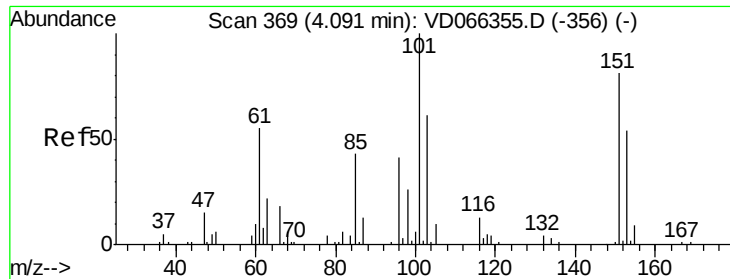


#8

Diethyl Ether
 Concen: 17.220 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.0	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.838 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

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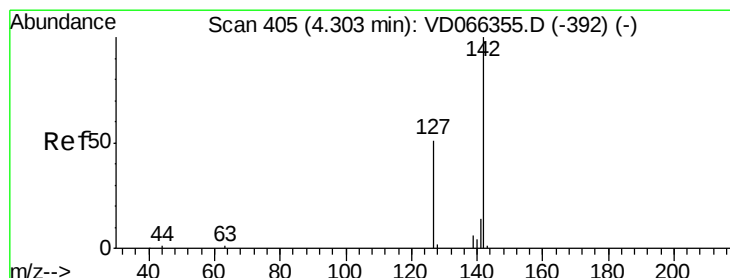
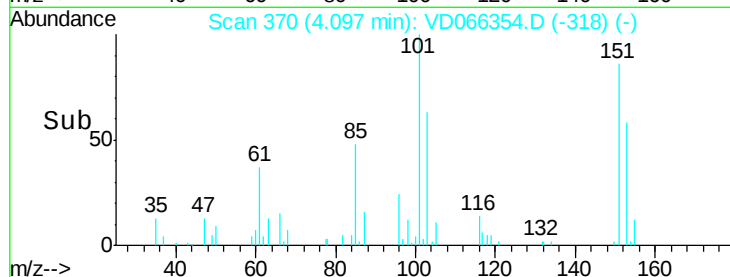
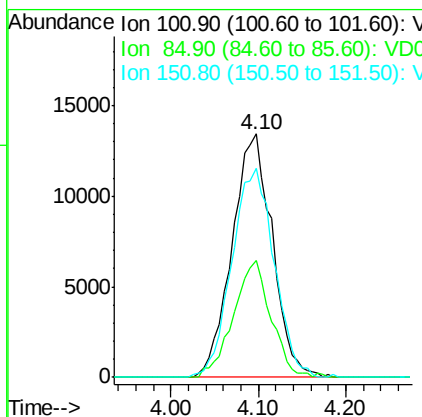
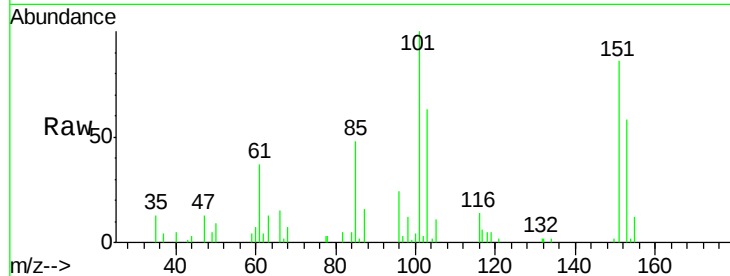
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	42005
Ion Ratio	Lower	Upper	
101	100		
85	44.4	36.4	54.6
151	90.2	70.5	105.7

Manual Integrations
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#10

Methyl Iodide

Concen: 24.586 ug/l

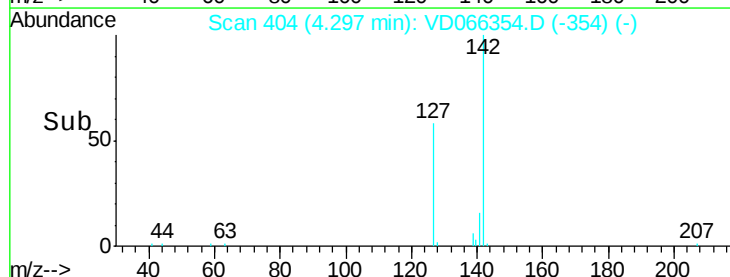
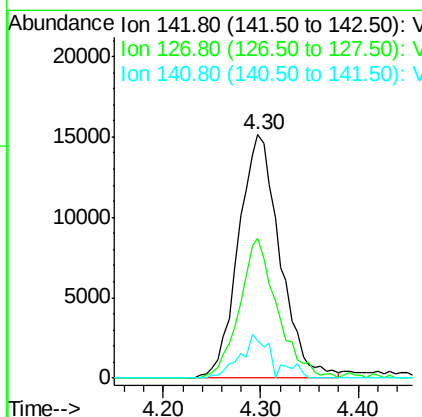
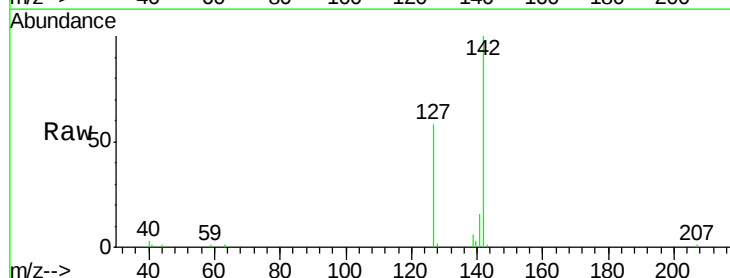
RT: 4.30 min Scan# 404

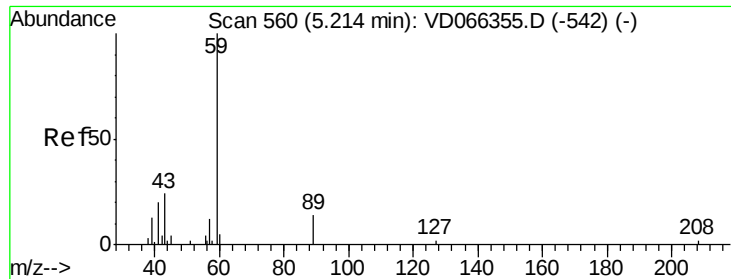
Delta R.T. -0.01 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Tgt Ion:	142	Resp:	44757
Ion Ratio	Lower	Upper	
142	100		
127	52.2	41.8	62.8
141	12.8	11.8	17.6





#11

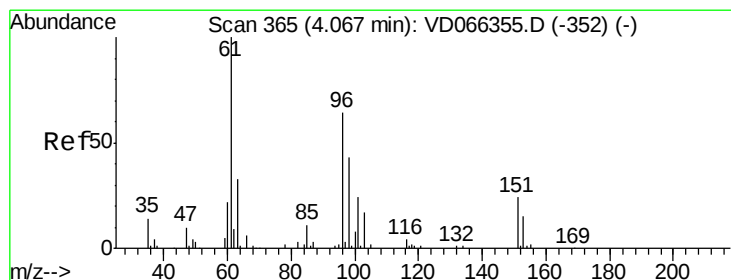
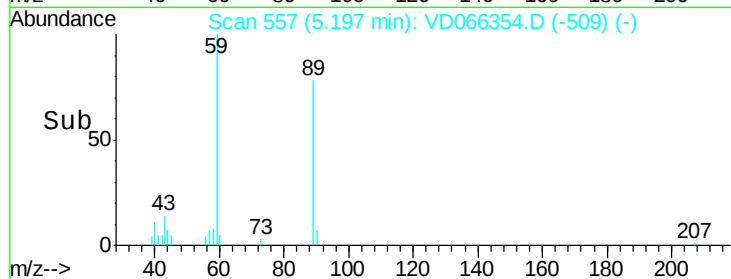
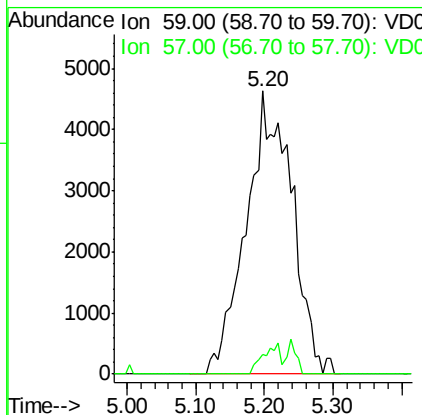
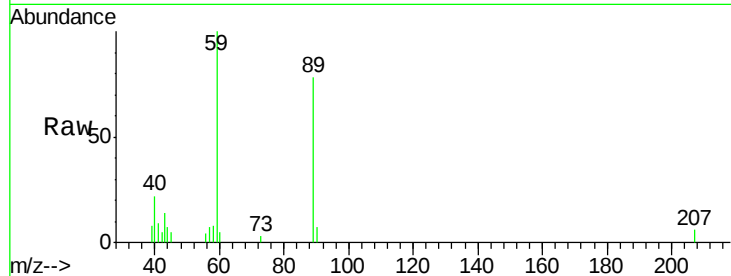
Tert butyl alcohol
Concen: 98.814 ug/l m
RT: 5.20 min Scan# 557
Delta R.T. -0.02 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.0	13.4#

Manual Integrations
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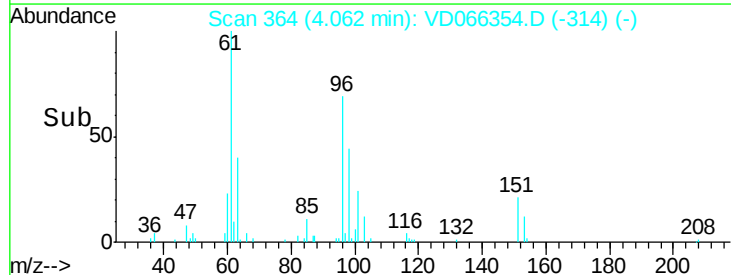
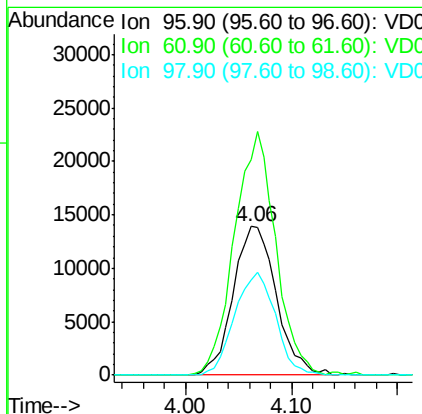
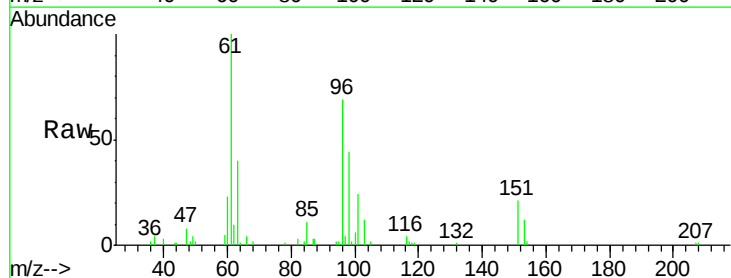
MMDadoda
8/24/2020 4:36:34 PM

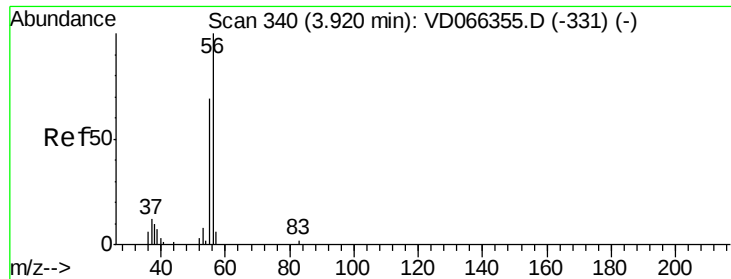


#12

1,1-Dichloroethene
Concen: 18.665 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.1	124.3	186.5
98	63.9	53.2	79.8





#13

Acrolein

Concen: 64.744 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 10486

Ion Ratio Lower Upper

56 100

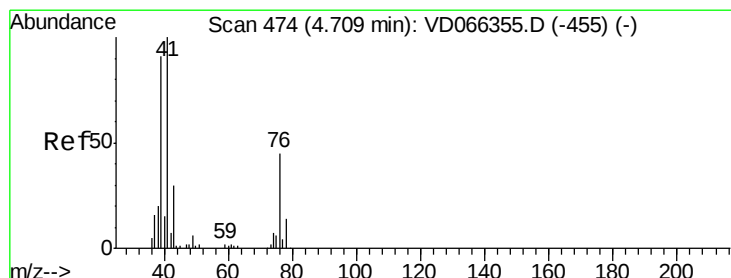
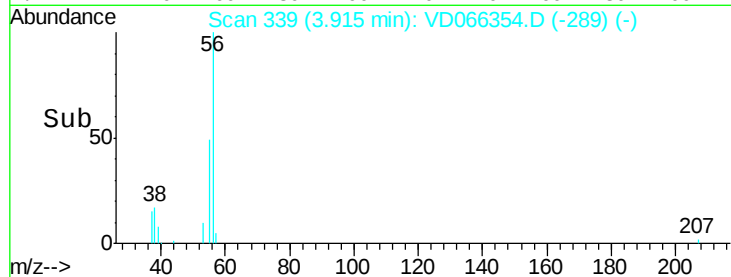
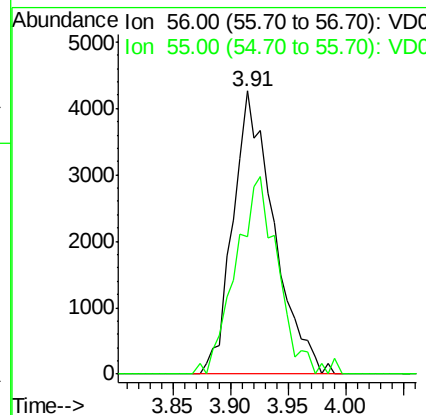
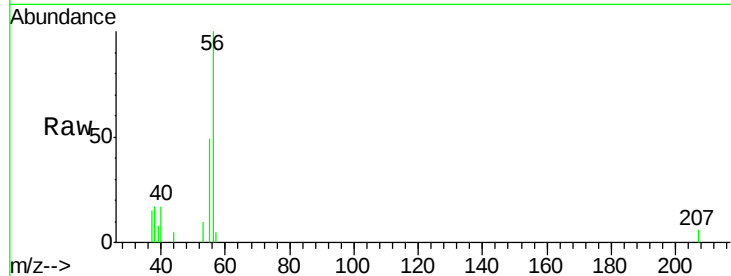
55 71.5 55.5 83.3

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 16.500 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

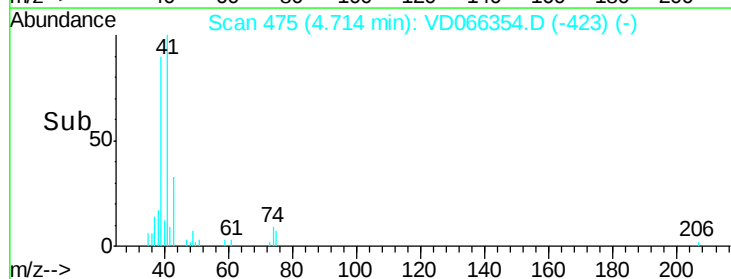
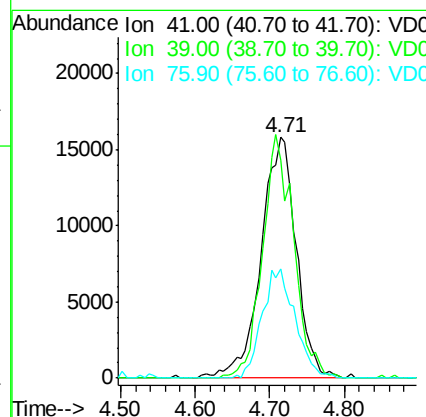
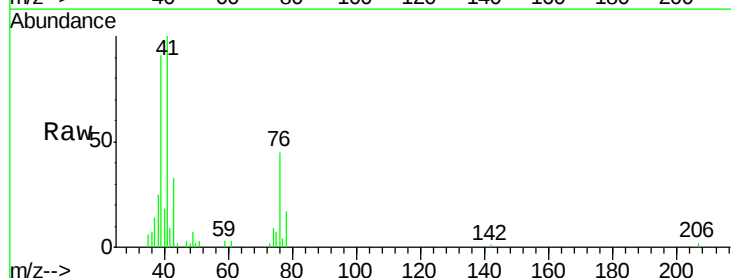
Tgt Ion: 41 Resp: 51707

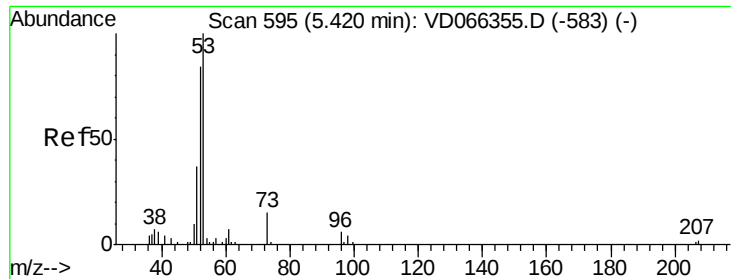
Ion Ratio Lower Upper

41 100

39 89.9 72.8 109.2

76 42.5 34.0 51.0





#15

Acrylonitrile

Concen: 87.365 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

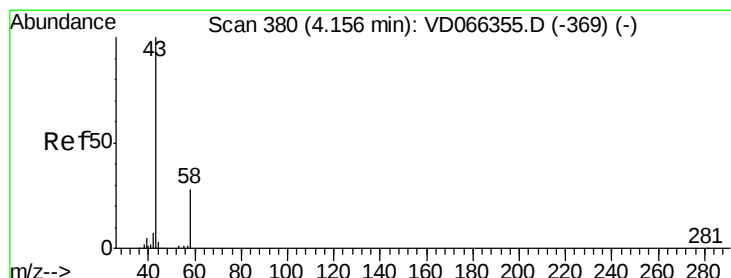
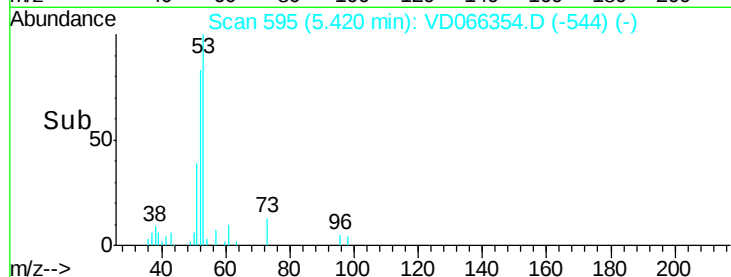
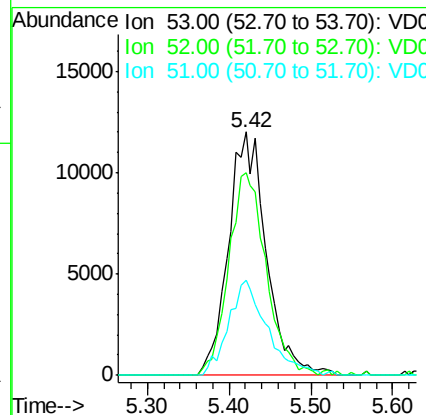
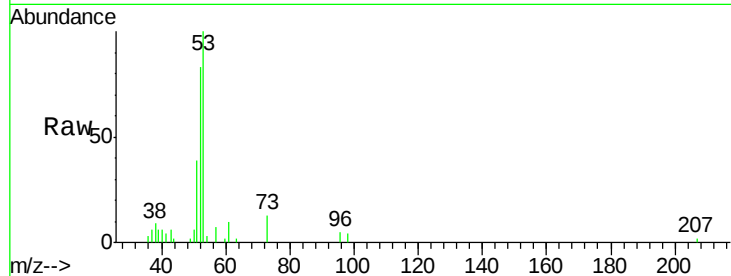
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	38539
Ion	Ratio	Lower	Upper
53	100		
52	82.7	68.1	102.1
51	40.1	33.8	50.6

Manual Integrations
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#16

Acetone

Concen: 94.418 ug/l

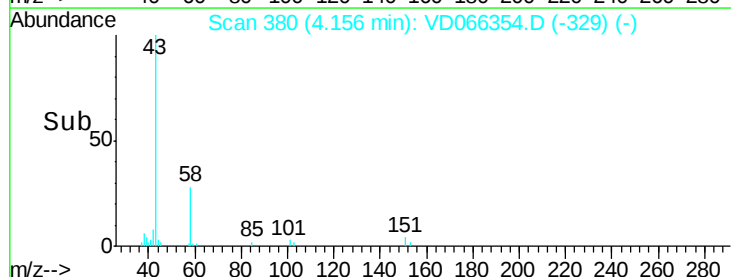
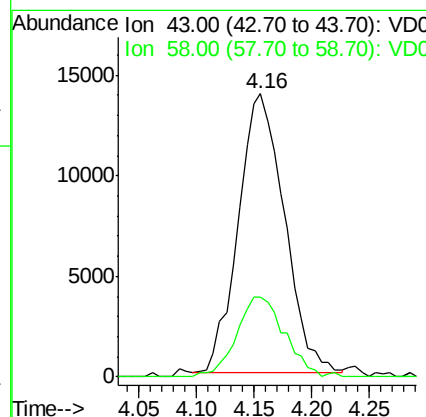
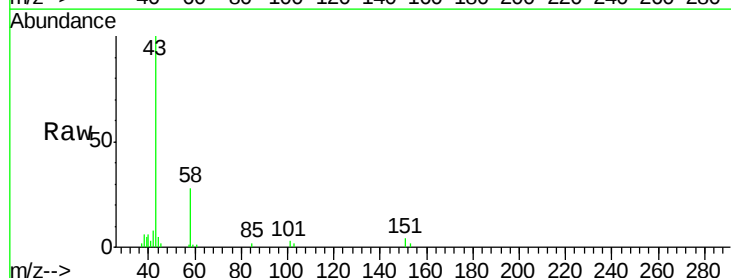
RT: 4.16 min Scan# 380

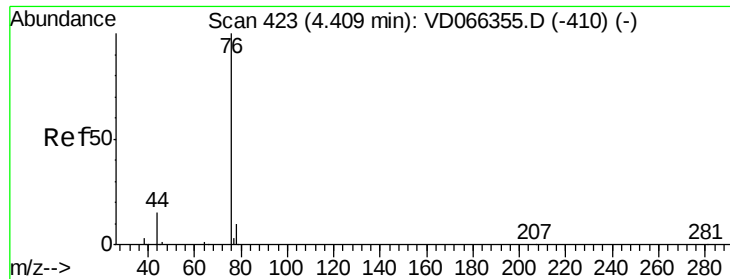
Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Tgt Ion:	43	Resp:	38489
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.7	34.1





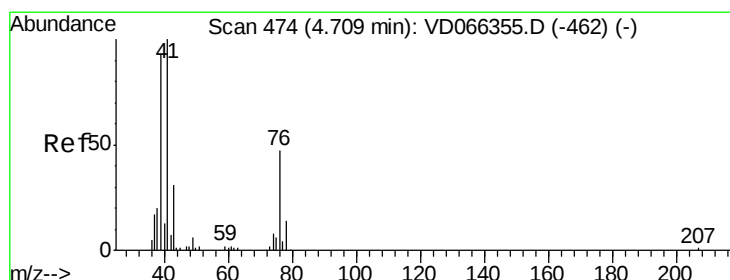
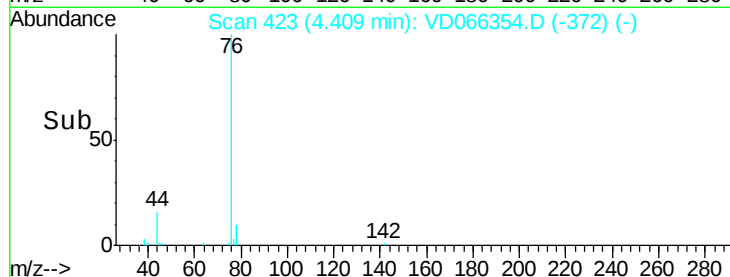
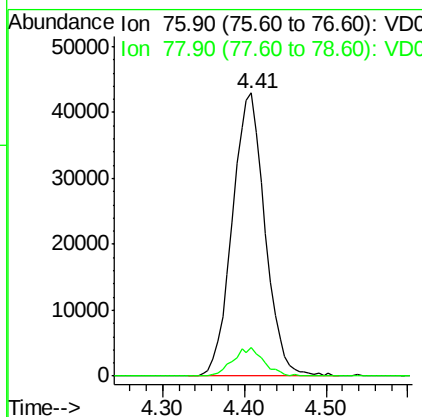
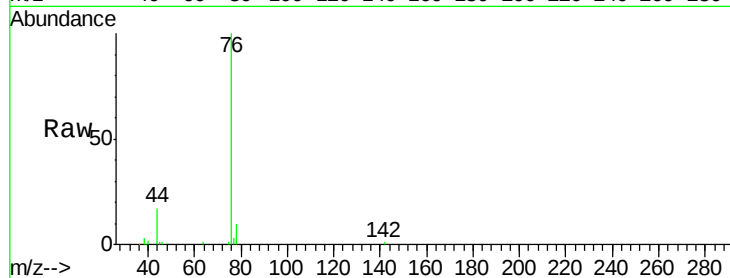
#17
Carbon Disulfide
Concen: 17.875 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	76	Resp	119209
Ion Ratio	Lower	Upper	
76	100		
78	10.1	7.7	11.5

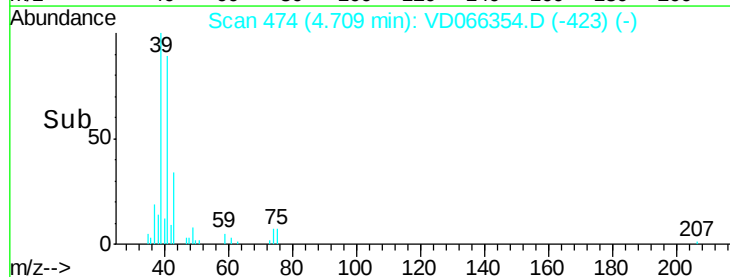
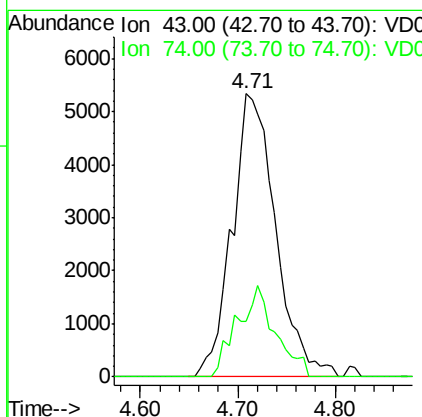
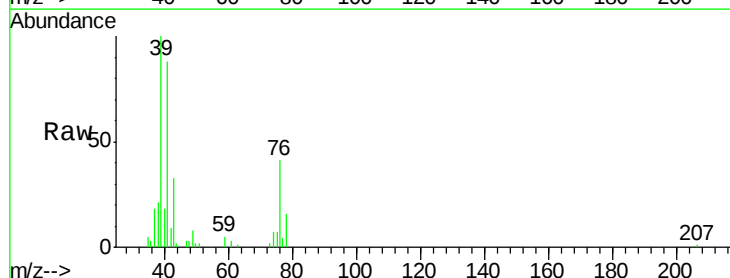
Manual Integrations
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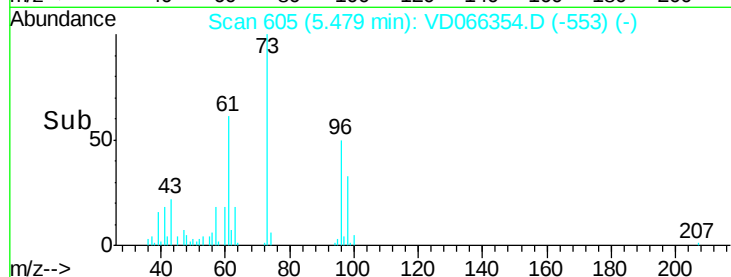
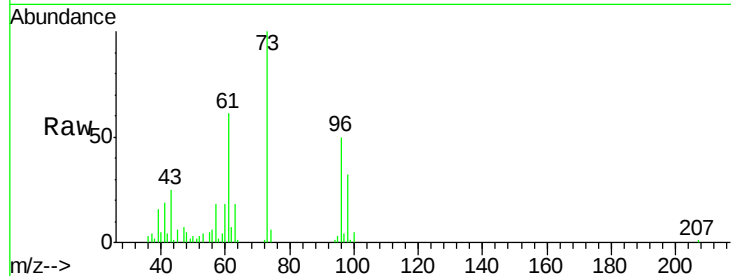
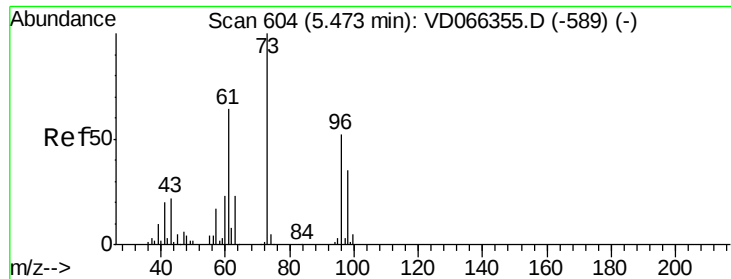
MMDadoda
8/24/2020 4:36:34 PM



#18
Methyl Acetate
Concen: 16.521 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	43	Resp	16622
Ion Ratio	Lower	Upper	
43	100		
74	28.2	21.0	31.6





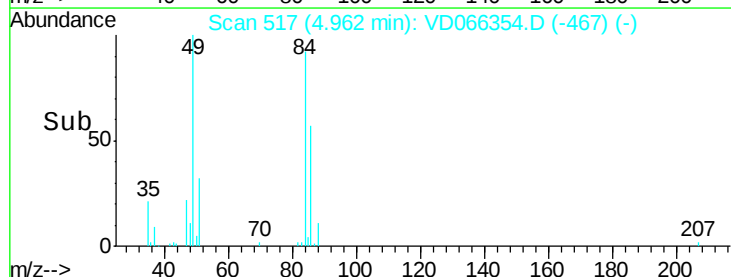
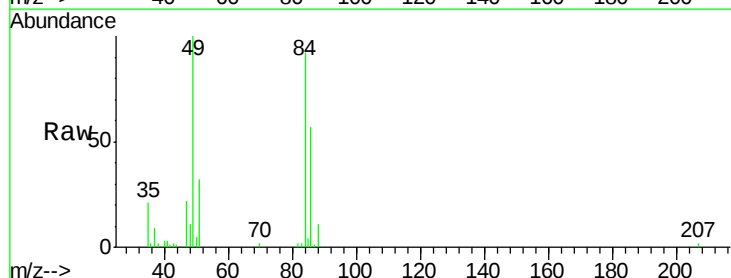
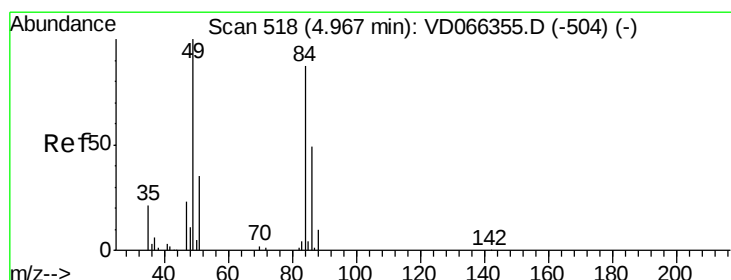
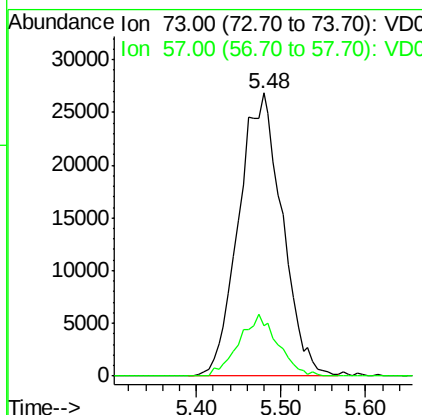
#19
Methyl tert-butyl Ether
Concen: 19.642 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tot Ion: 73 Resp: 95893
Ion Ratio Lower Upper
73 100
57 17.7 13.8 20.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

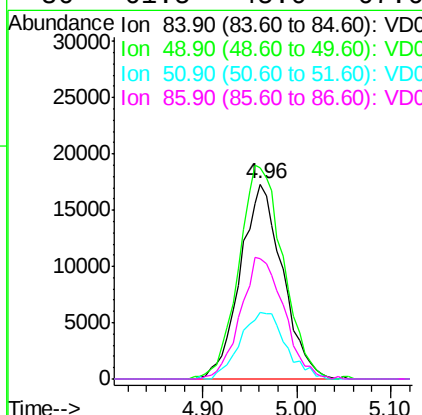
Manual Integrations
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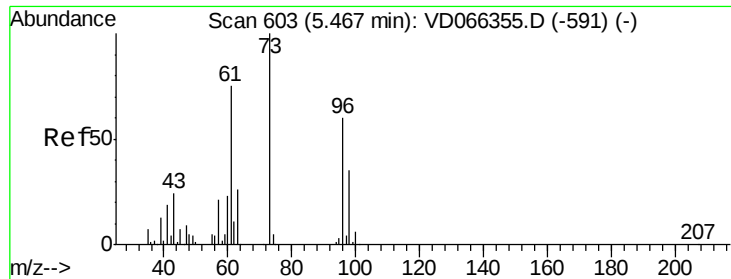
MMDadoda
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#20
Methylene Chloride
Concen: 19.588 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion: 84 Resp: 53990
Ion Ratio Lower Upper
84 100
49 108.2 92.5 138.7
51 34.1 32.5 48.7
86 61.5 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 19.287 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

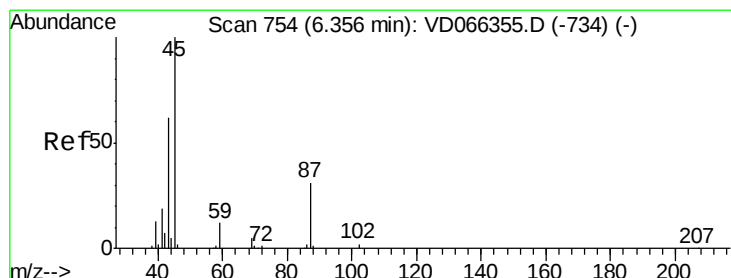
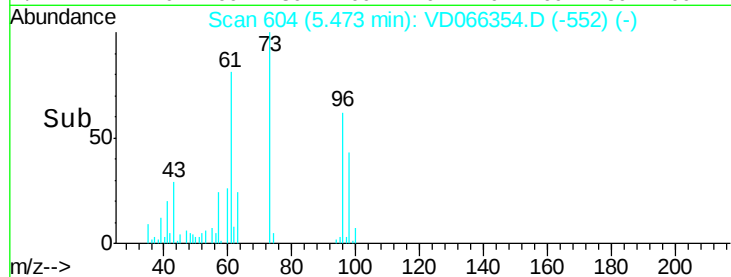
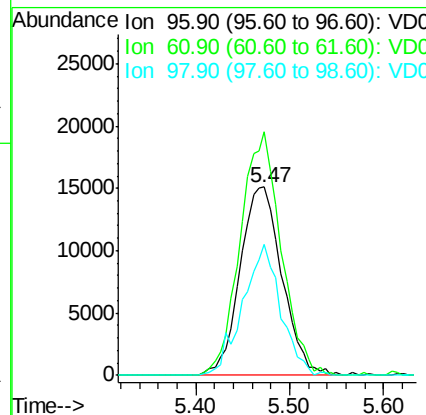
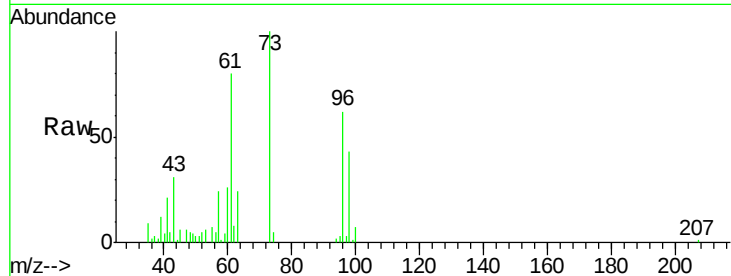
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	46684
Ion	Ratio	Lower	Upper
96	100		
61	129.2	101.1	151.7
98	69.4	47.0	70.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 16.770 ug/l

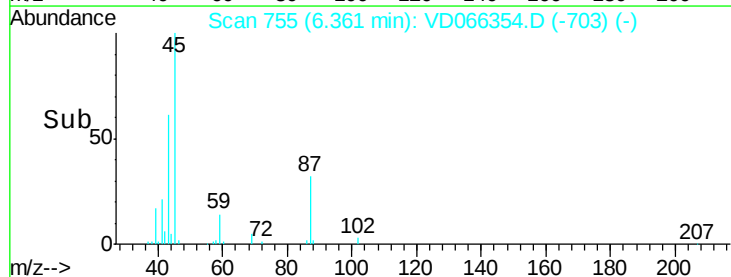
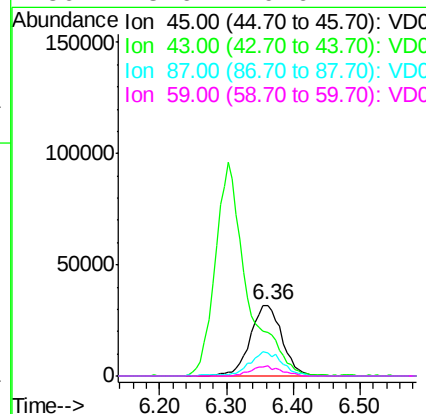
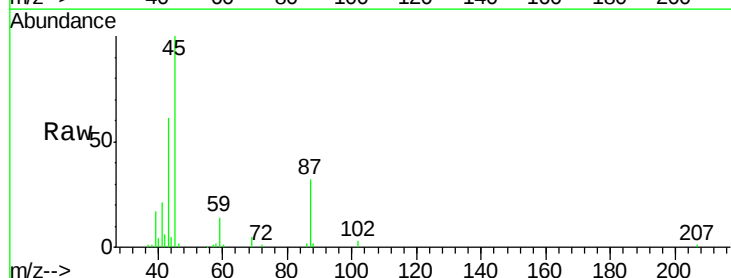
RT: 6.36 min Scan# 755

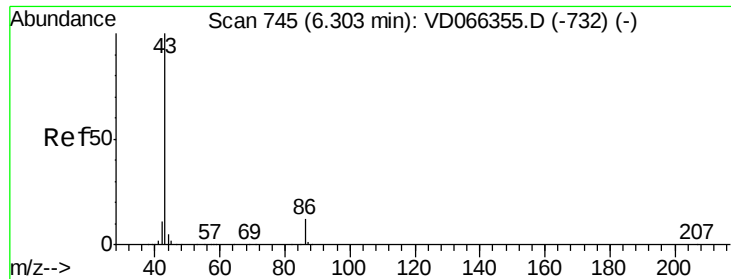
Delta R.T. 0.01 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Tgt Ion:	45	Resp:	103907
Ion	Ratio	Lower	Upper
45	100		
43	59.4	49.8	74.8
87	31.8	25.0	37.6
59	13.6	9.6	14.4





#23

Vinyl Acetate

Concen: 87.242 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion: 43 Resp: 318923

Ion Ratio Lower Upper

43 100

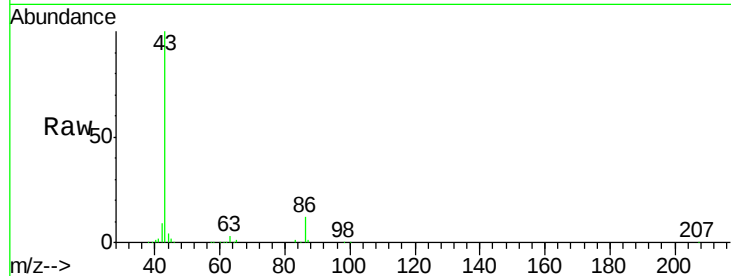
86 12.4 9.4 14.0

Manual Integrations

APPROVED

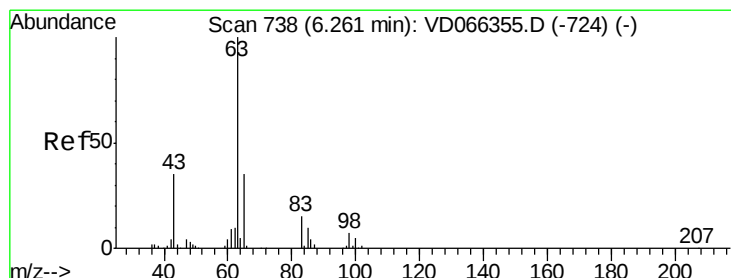
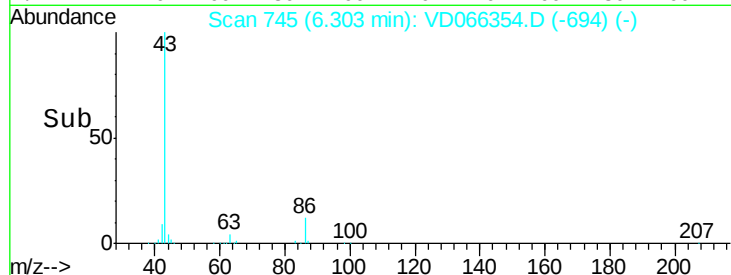
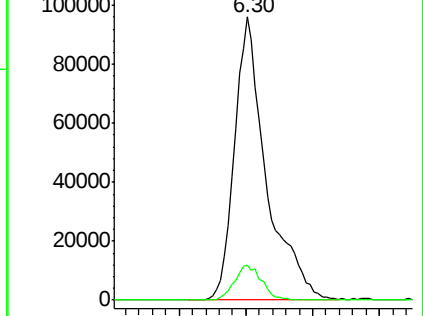
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.896 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

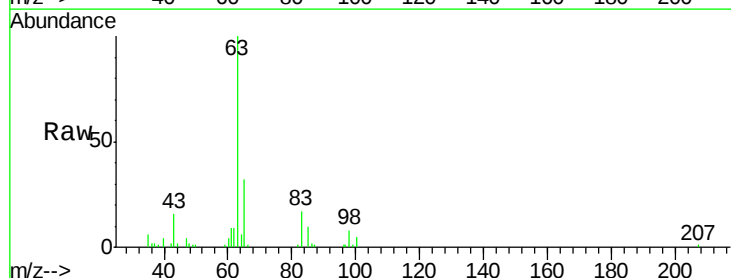
Tgt Ion: 63 Resp: 73565

Ion Ratio Lower Upper

63 100

98 8.2 3.5 10.6

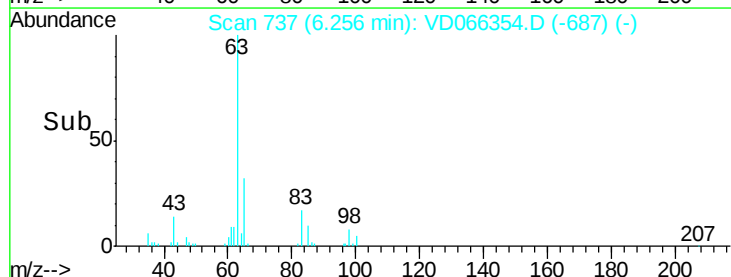
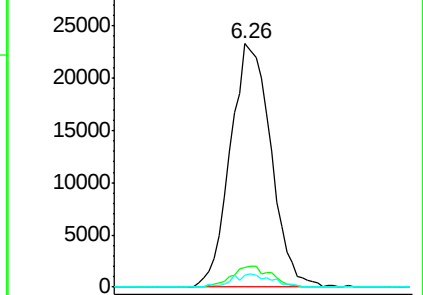
100 5.1 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 82.487 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 48048

Ion Ratio Lower Upper

43 100

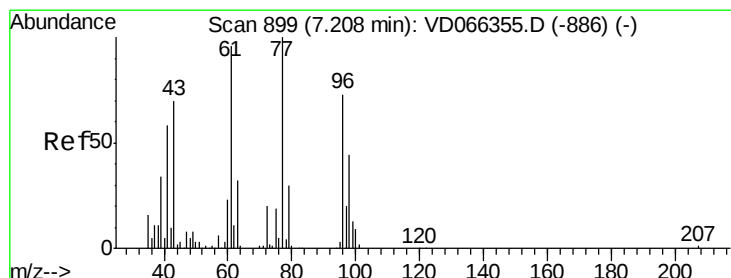
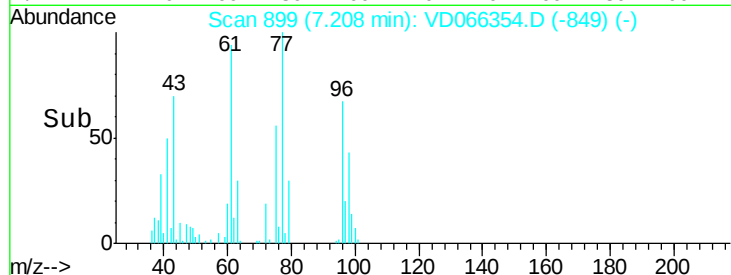
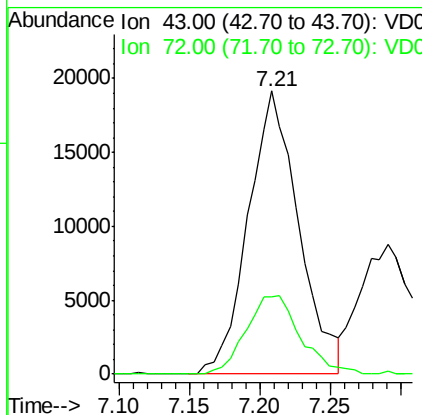
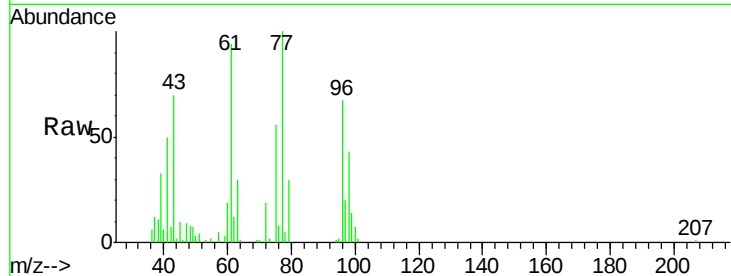
72 27.2 22.5 33.7

Manual Integrations

APPROVED

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#26

2,2-Dichloropropane

Concen: 21.068 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066354.D

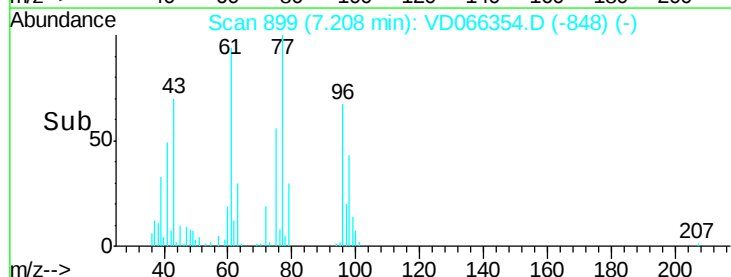
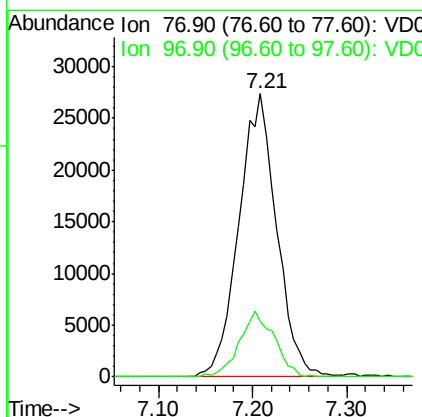
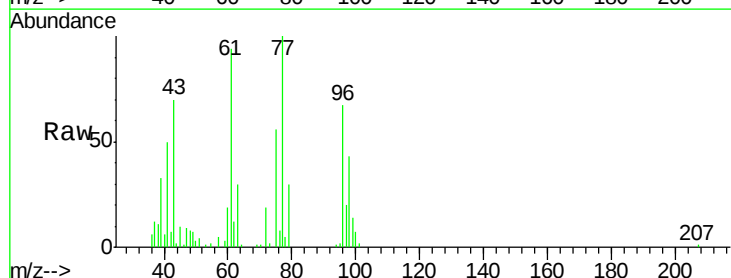
Acq: 21 Aug 2020 11:52

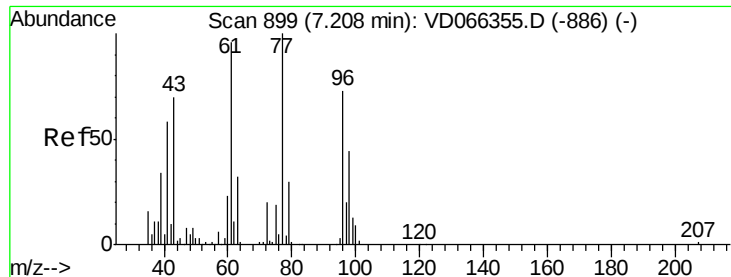
Tgt Ion: 77 Resp: 76154

Ion Ratio Lower Upper

77 100

97 21.3 10.7 31.9





#27

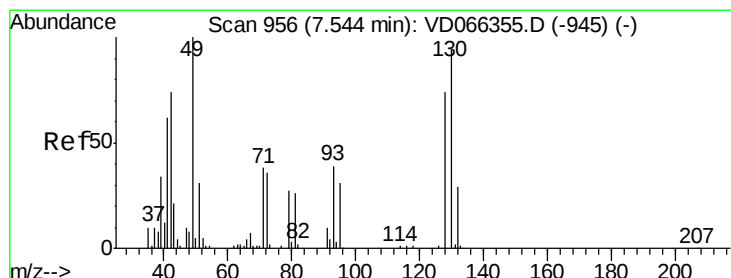
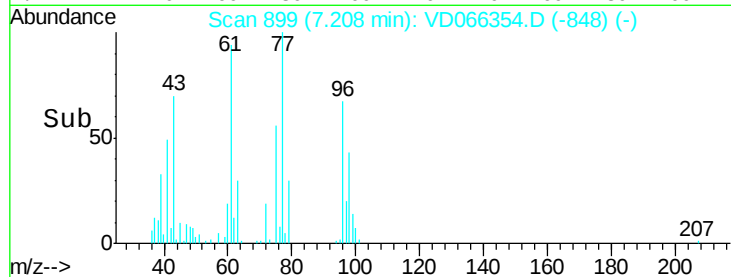
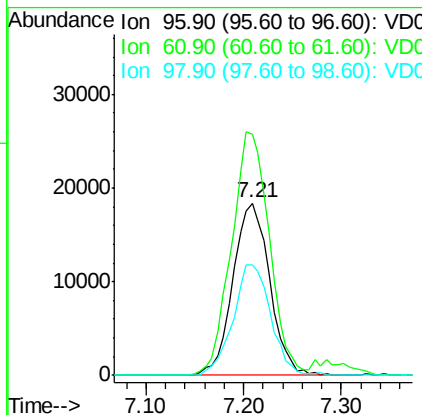
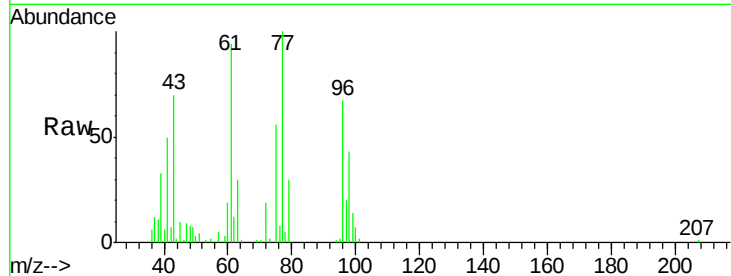
cis-1,2-Dichloroethene
 Concen: 19.019 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.1	0.0	281.4
98	65.6	0.0	132.2

Manual Integrations
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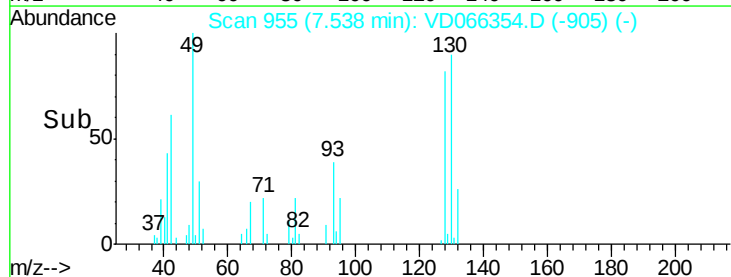
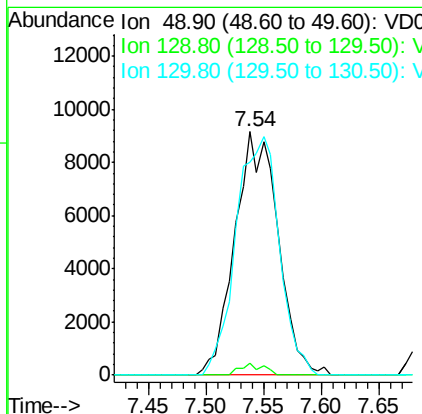
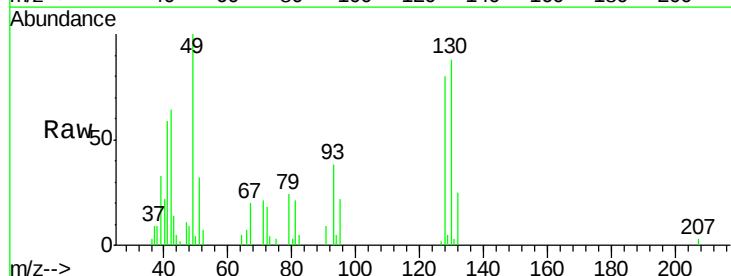
MMDadoda
 8/24/2020 4:36:34 PM

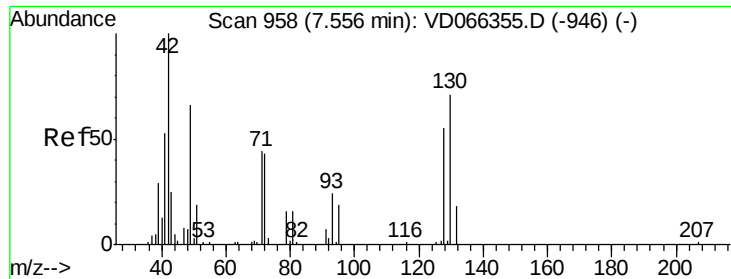


#28

Bromochloromethane
 Concen: 17.502 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	3.0
130	97.7	82.6	124.0





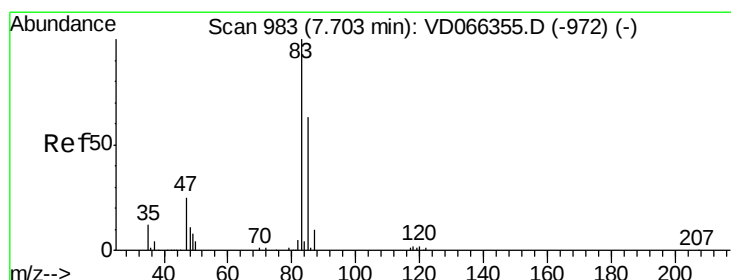
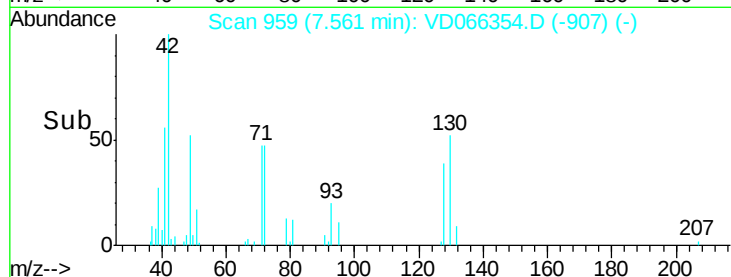
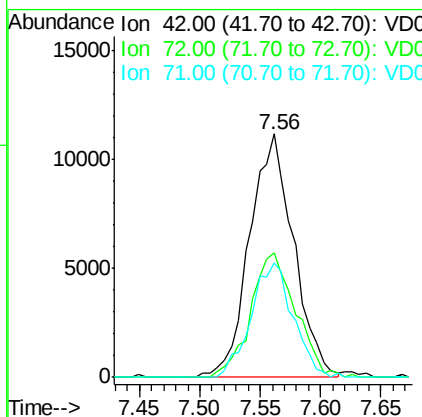
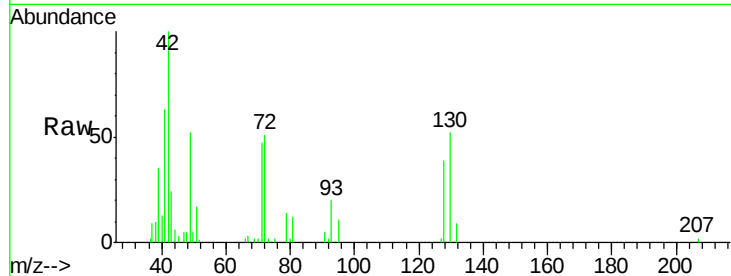
#29
Tetrahydrofuran
Concen: 79.437 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.5	41.0	61.4
71	45.1	37.2	55.8

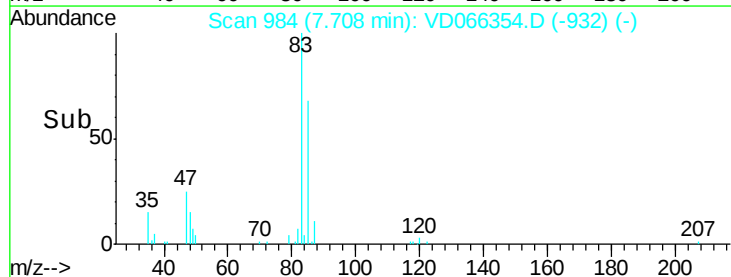
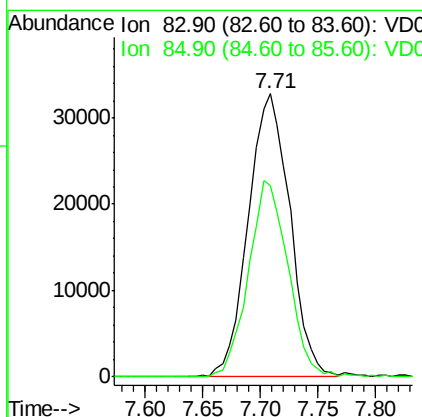
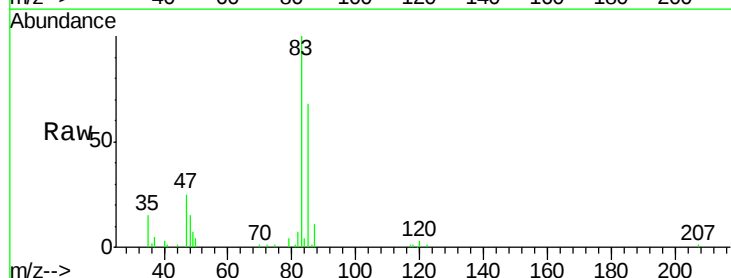
Manual Integrations
APPROVED

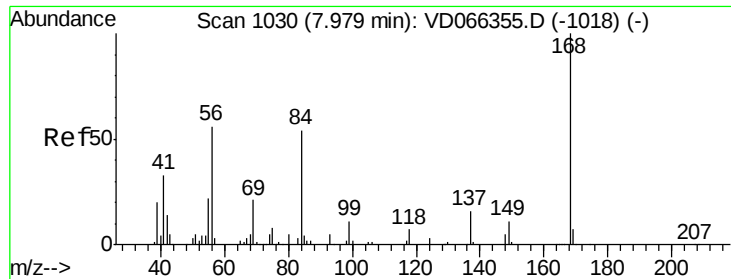
MMDadoda
8/24/2020 4:36:34 PM



#30
Chloroform
Concen: 19.762 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	50.3	75.5





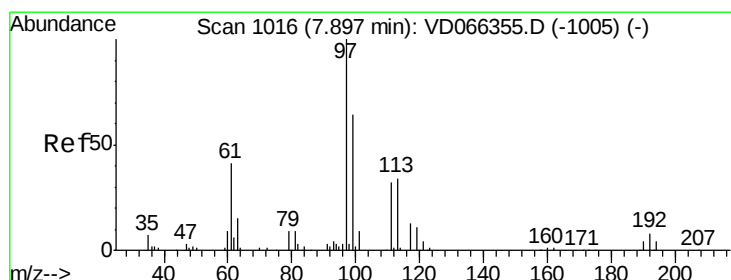
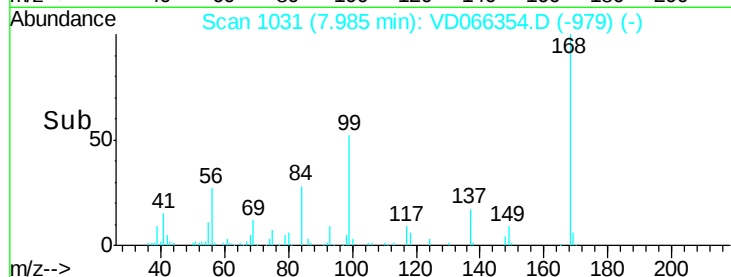
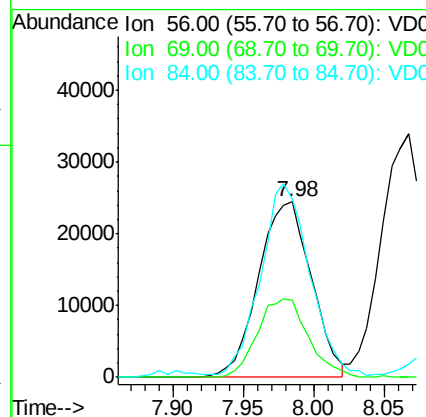
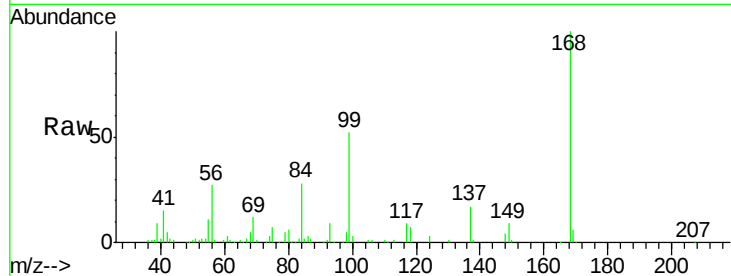
#31
Cyclohexane
Concen: 17.399 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		64185		
69	43.9	29.6	44.4		
84	99.3	76.6	115.0		

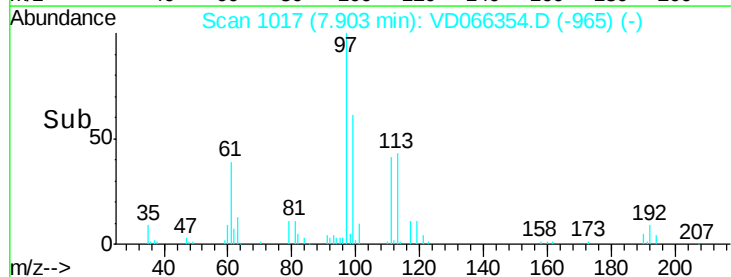
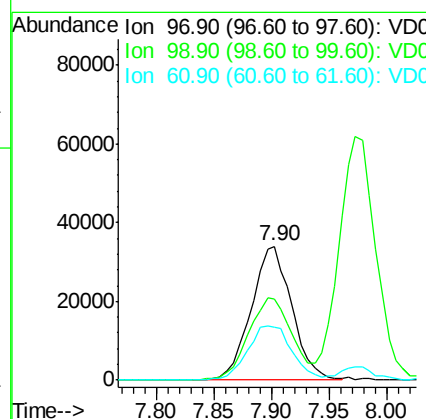
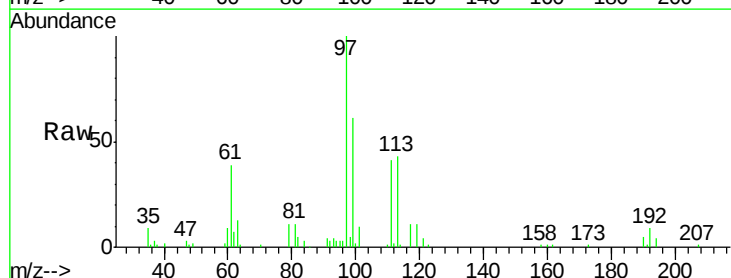
Manual Integrations
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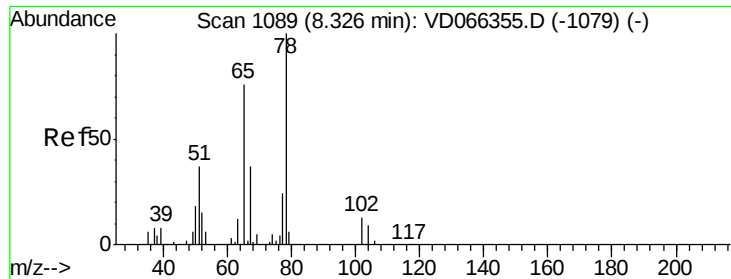
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.987 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		83062		
99	65.1	51.5	77.3		
61	44.0	33.3	49.9		





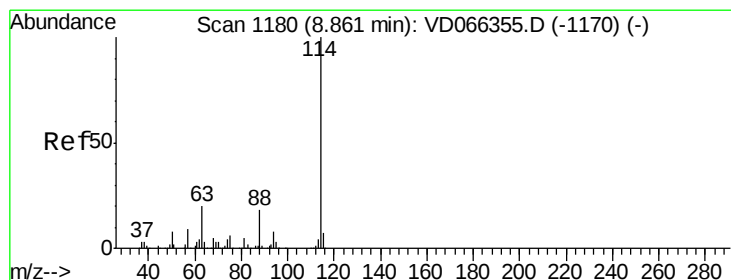
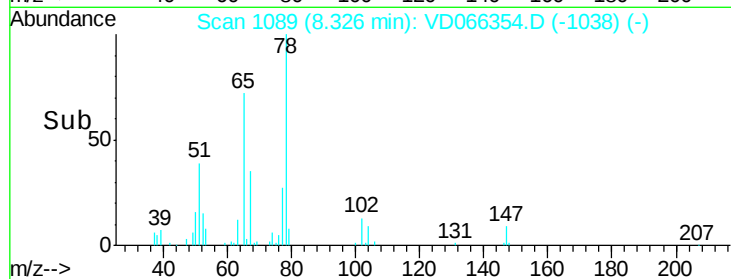
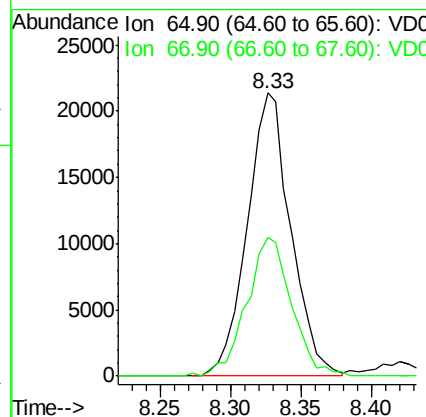
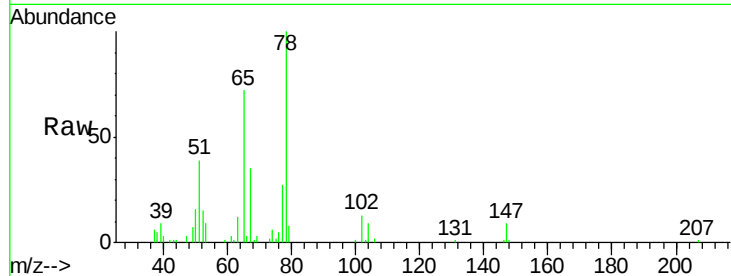
#33
 1,2-Dichloroethane-d4
 Concen: 21.219 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	101.6

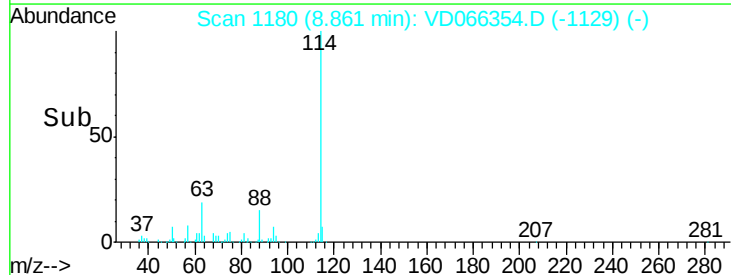
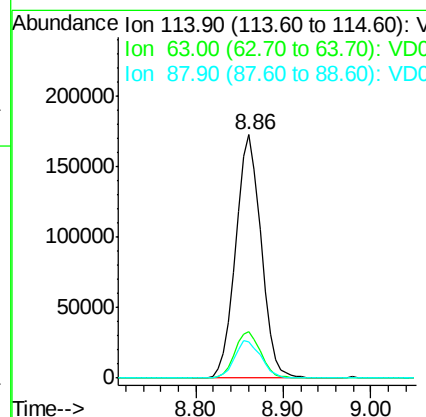
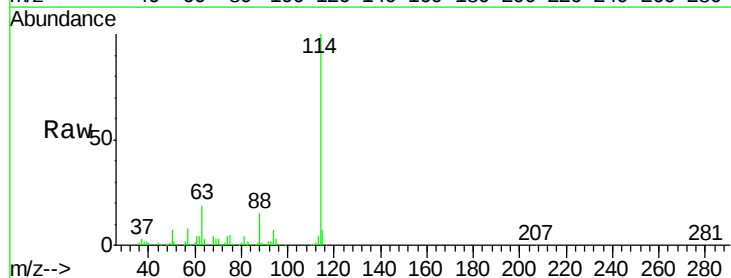
Manual Integrations
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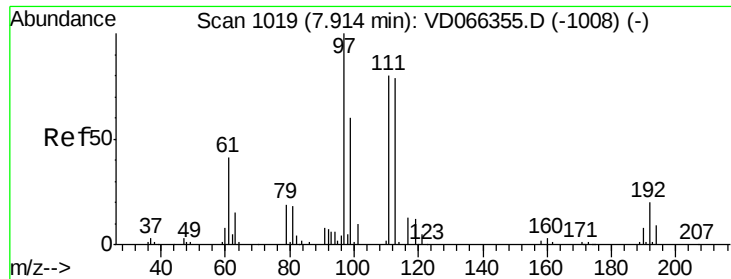
MMDadoda
 8/24/2020 4:36:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.3	0.0	40.8
88	14.8	0.0	35.4





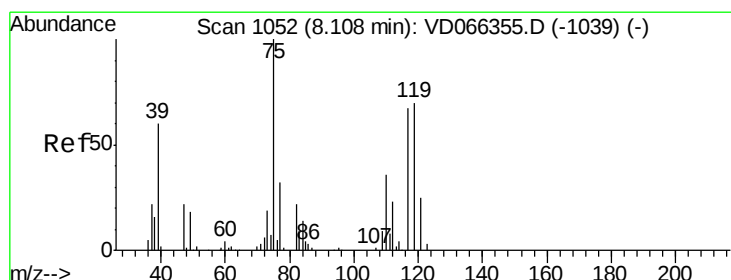
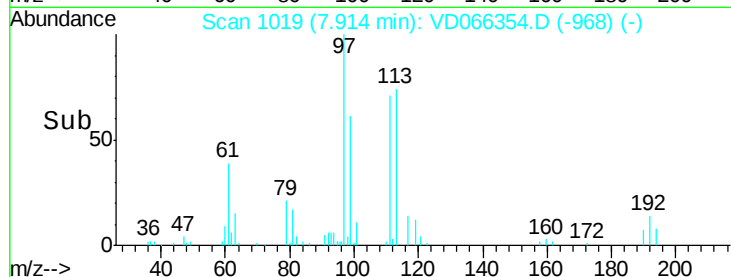
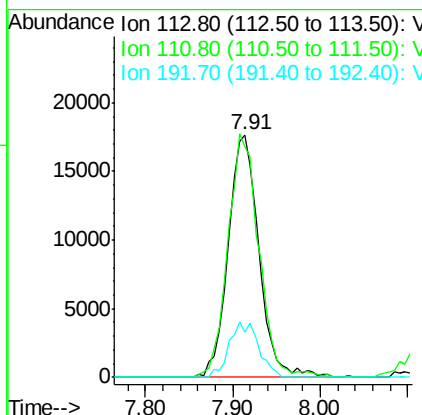
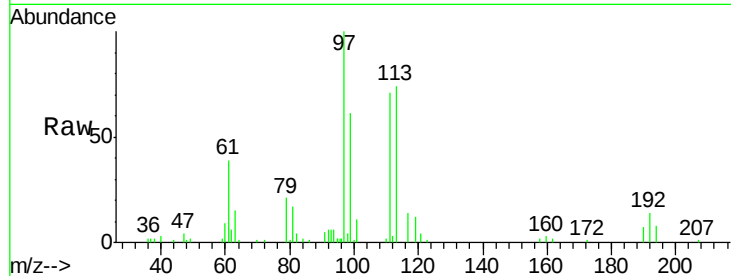
#35
Dibromofluoromethane
Concen: 19.528 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	42085		
111	100.1	80.3	120.5	
192	21.8	19.0	28.6	

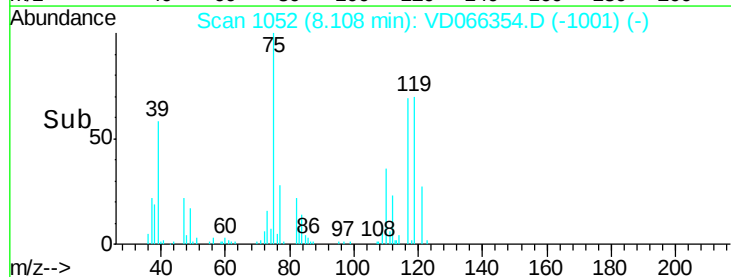
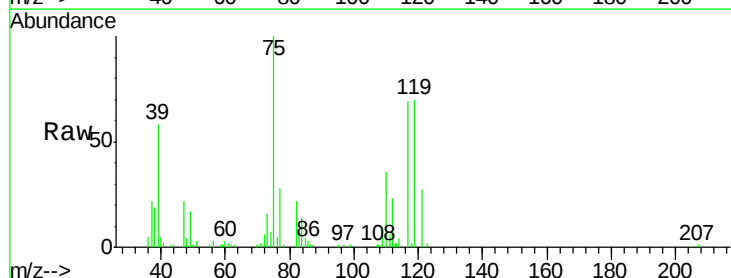
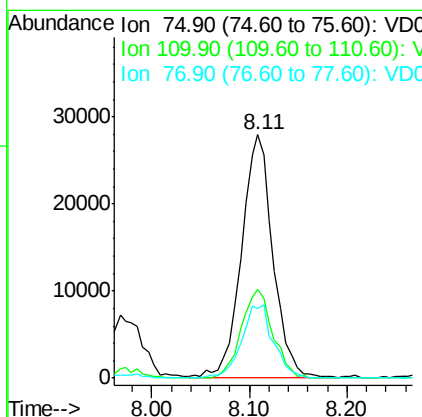
Manual Integrations
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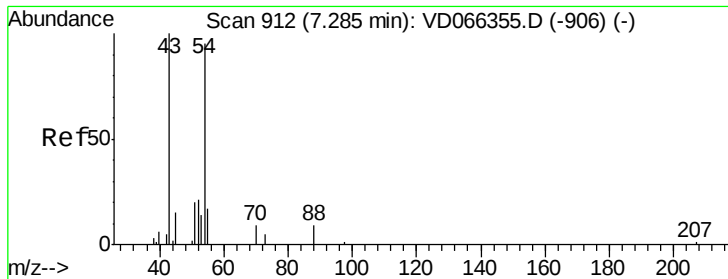
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#36
1,1-Dichloropropene
Concen: 19.704 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	63044		
110	36.3	18.7	56.1	
77	30.1	25.2	37.8	





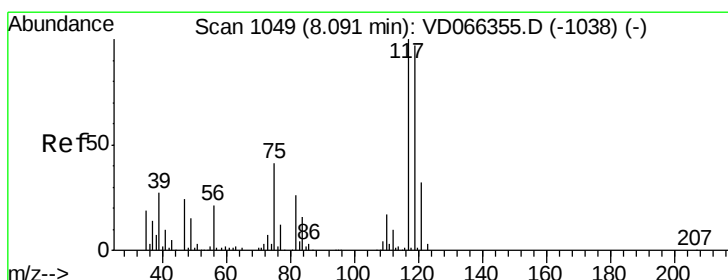
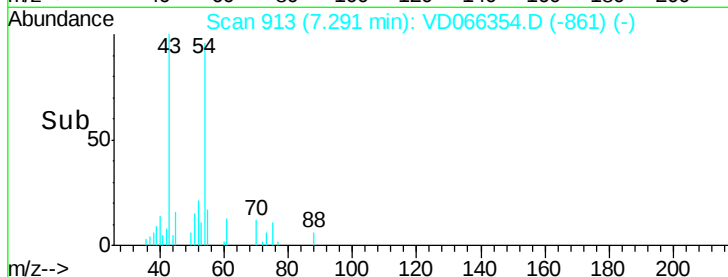
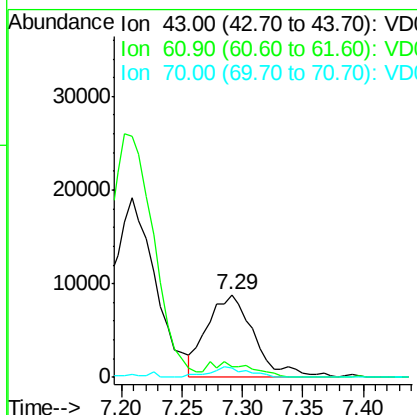
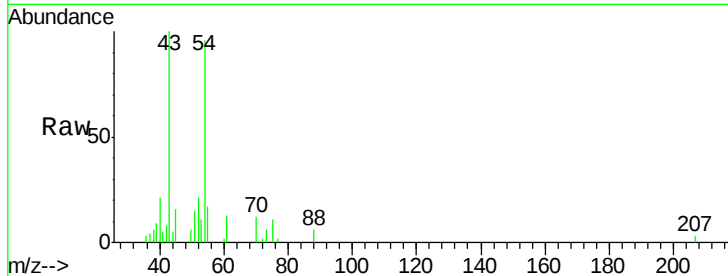
#37
Ethyl Acetate
Concen: 19.101 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	13.3	19.9
70	10.1	3.5	5.3

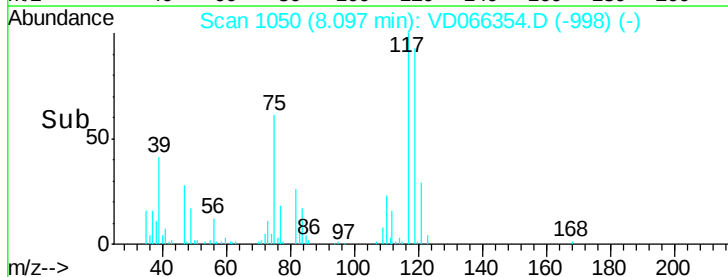
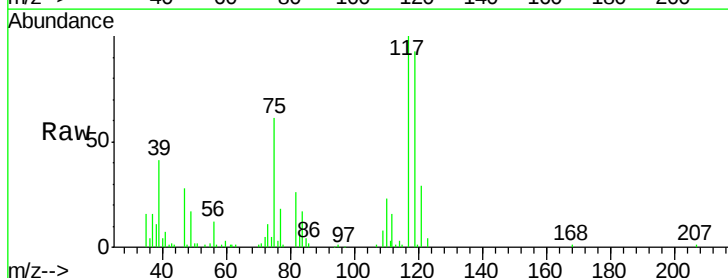
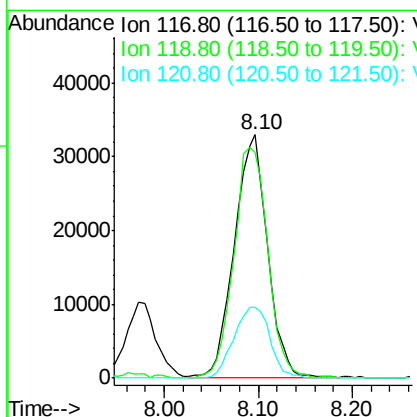
Manual Integrations
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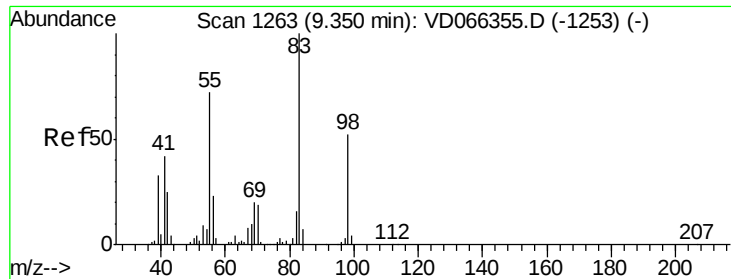
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#38
Carbon Tetrachloride
Concen: 22.026 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	77.2	115.8
121	29.1	25.8	38.8





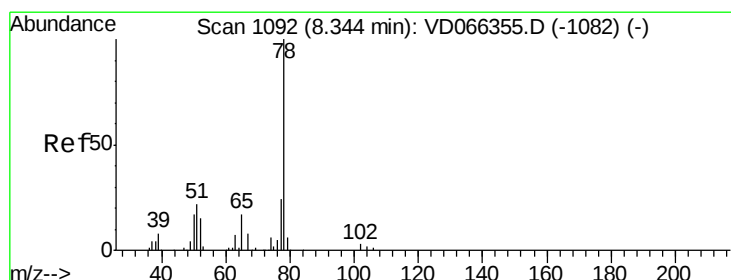
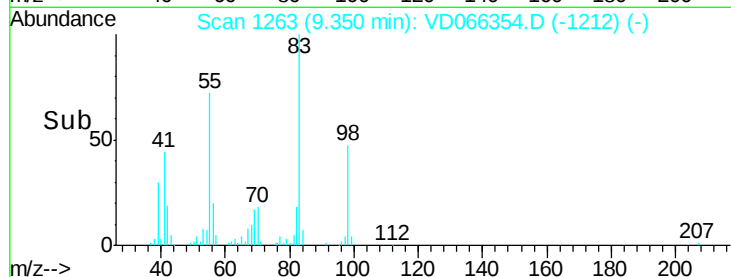
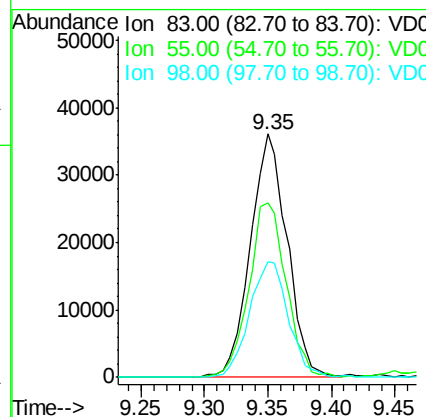
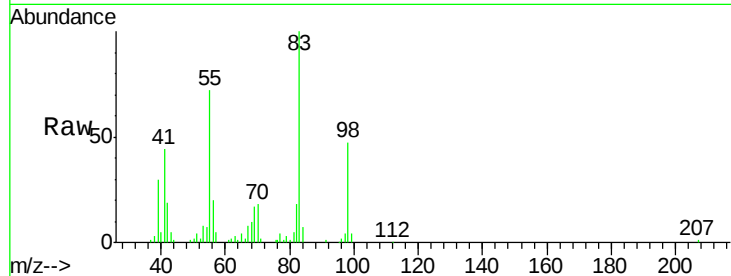
#39
Methvlcvclohexane
Concen: 18.745 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	72808
Ion Ratio	100	Lower	Upper
83	100		
55	71.9	58.0	87.0
98	47.5	41.9	62.9

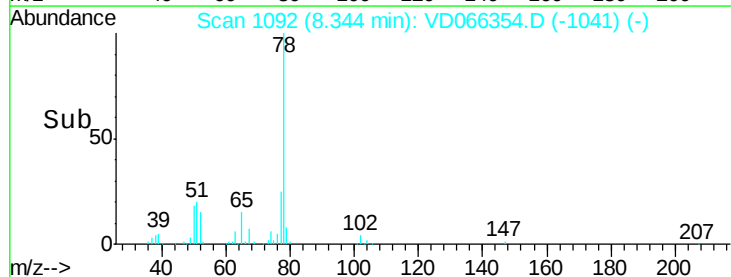
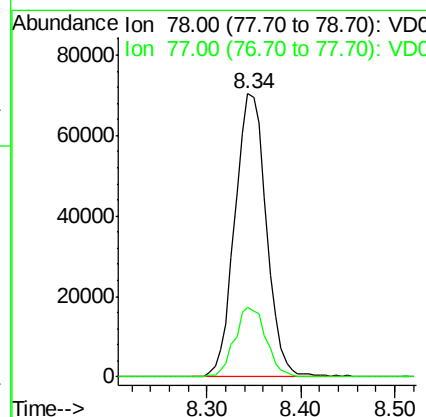
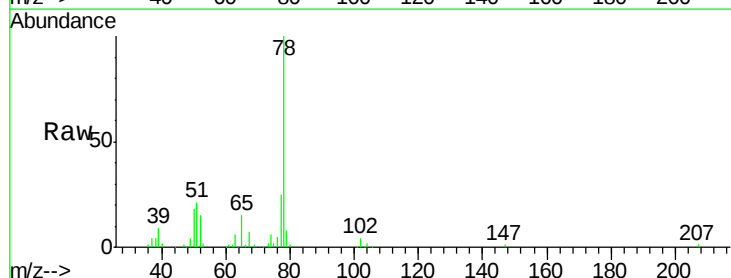
Manual Integrations
APPROVED

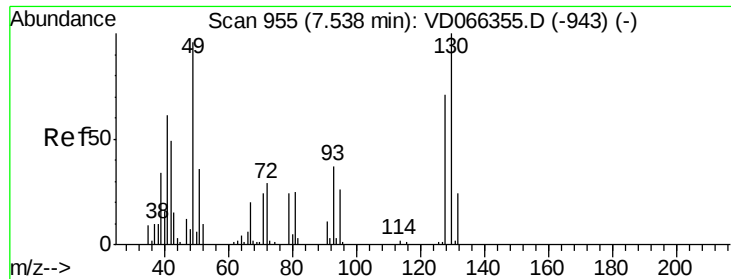
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#40
Benzene
Concen: 18.522 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	78	Resp	164065
Ion Ratio	100	Lower	Upper
78	100		
77	24.7	18.8	28.2





#41

Methacrylonitrile

Concen: 17.873 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 13373

Ion Ratio Lower Upper

41 100

39 82.5 51.8 77.8#

67 0.0 0.0 0.0

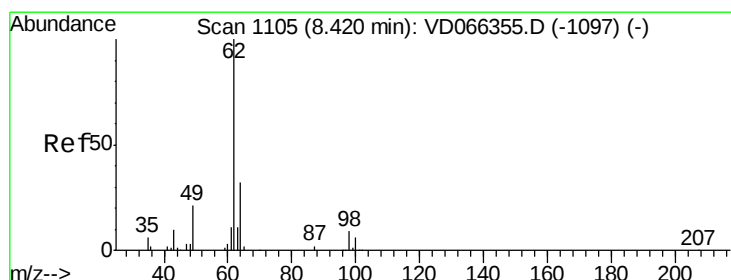
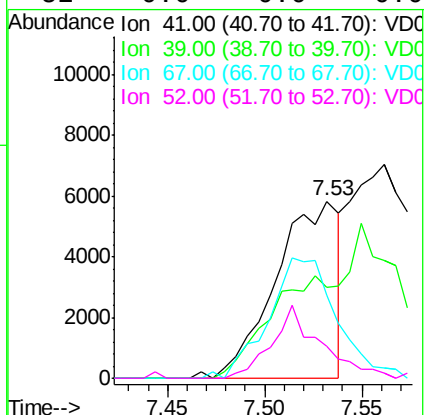
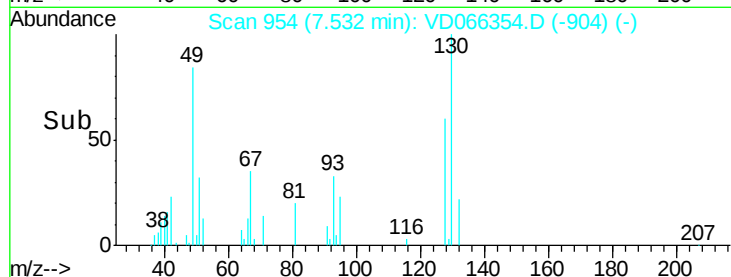
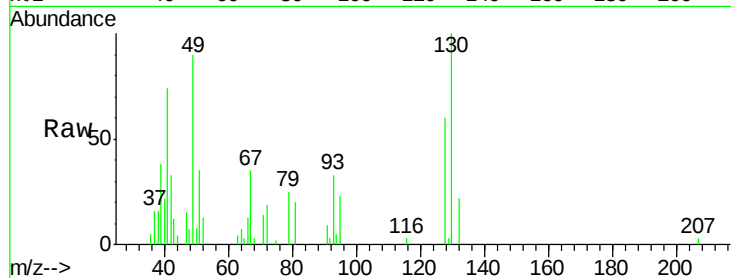
52 0.0 0.0 0.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 21.029 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066354.D

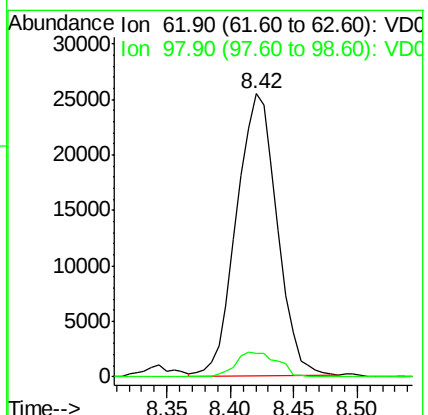
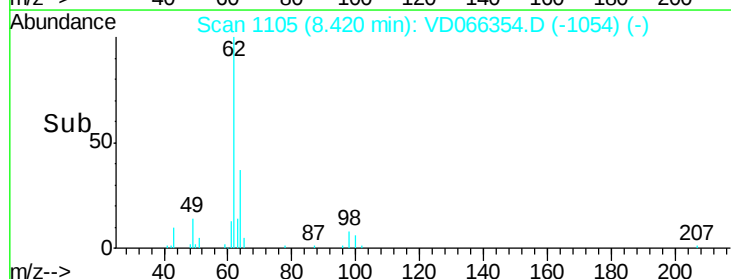
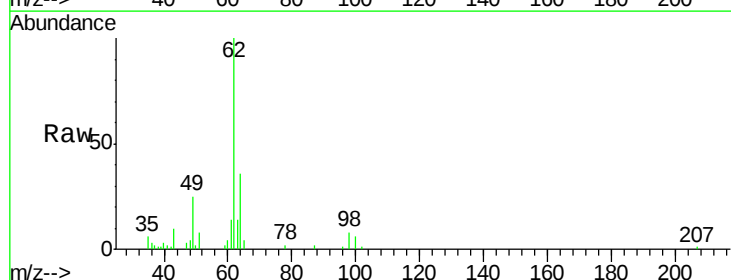
Acq: 21 Aug 2020 11:52

Tgt Ion: 62 Resp: 56406

Ion Ratio Lower Upper

62 100

98 9.2 0.0 16.2





#43

Isopropyl Acetate

Concen: 17.578 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

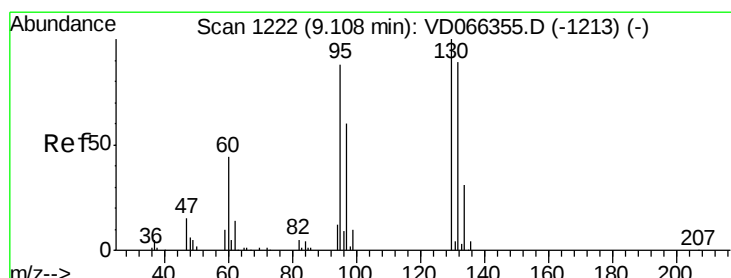
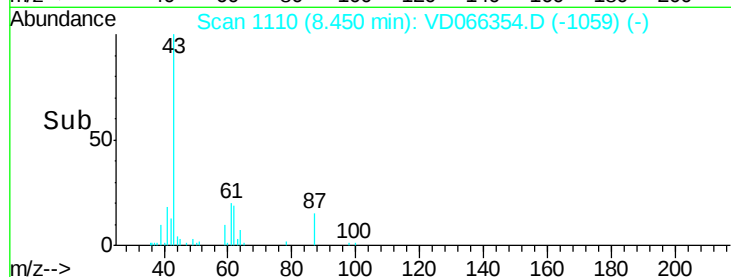
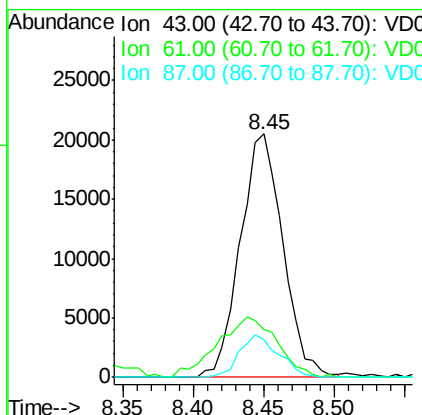
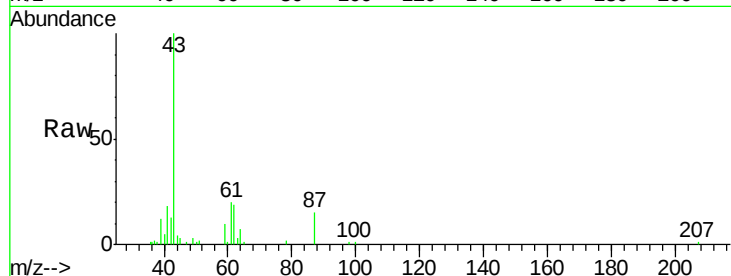
ClientSampleID :

VSTDIC020

Tot Ion:	43	Resp:	43351
Ion	Ratio	Lower	Upper
43	100		
61	34.4	26.5	39.7
87	16.3	11.9	17.9

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#44

Trichloroethene

Concen: 19.871 ug/l

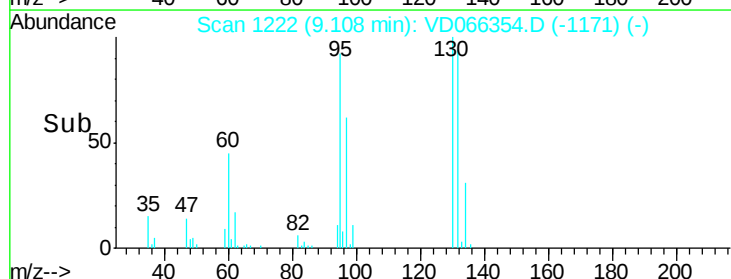
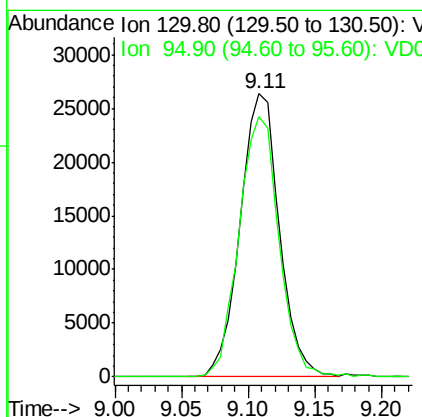
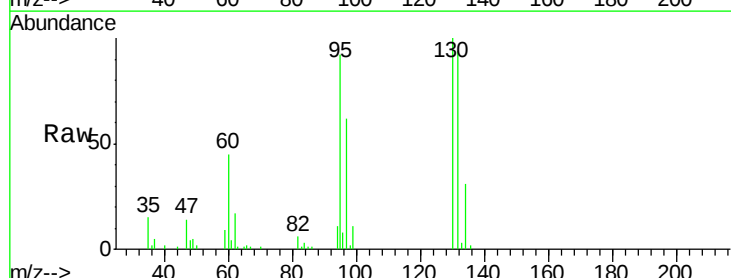
RT: 9.11 min Scan# 1222

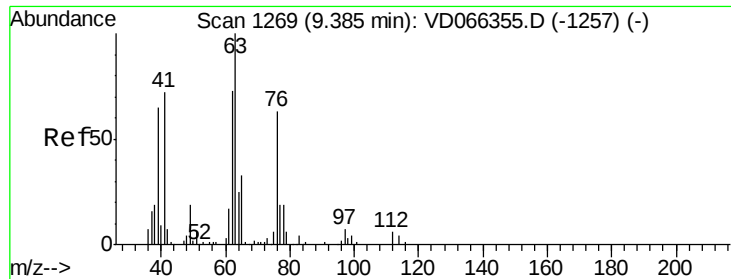
Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Tgt Ion:	130	Resp:	53486
Ion	Ratio	Lower	Upper
130	100		
95	92.0	0.0	175.6





#45

1,2-Dichloropropane

Concen: 17.605 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 37732

Ion Ratio Lower Upper

63 100

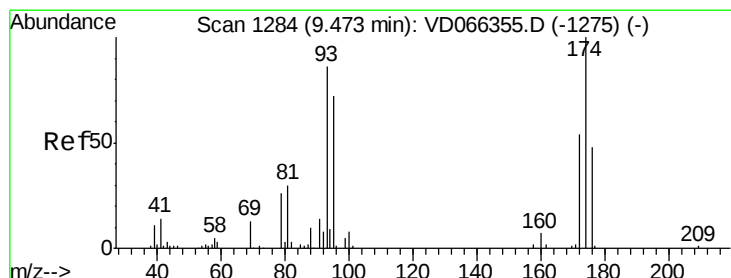
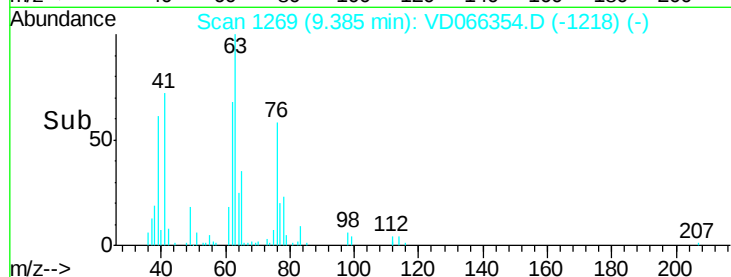
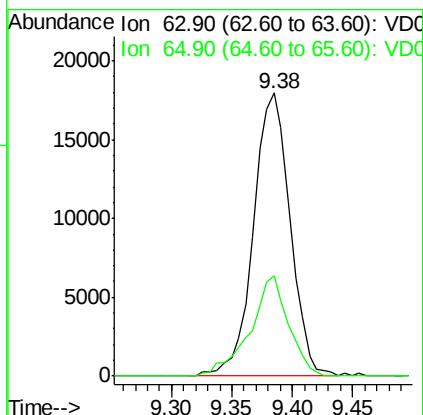
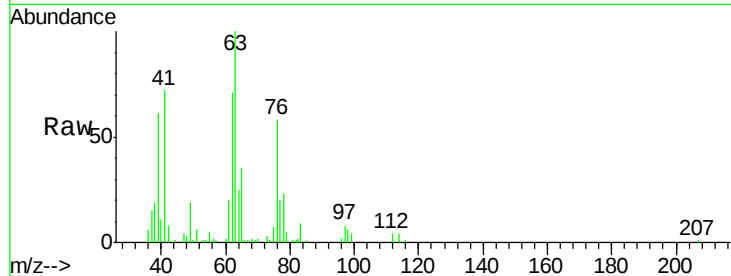
65 35.4 26.4 39.6

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#46

Dibromomethane

Concen: 19.704 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

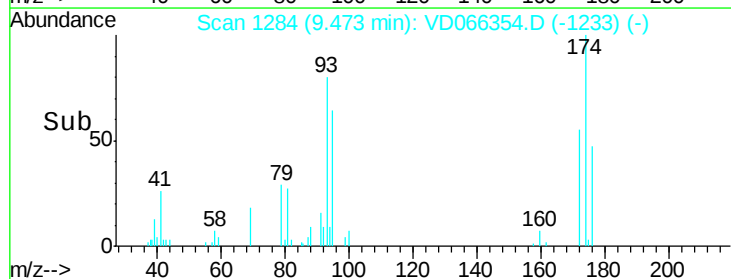
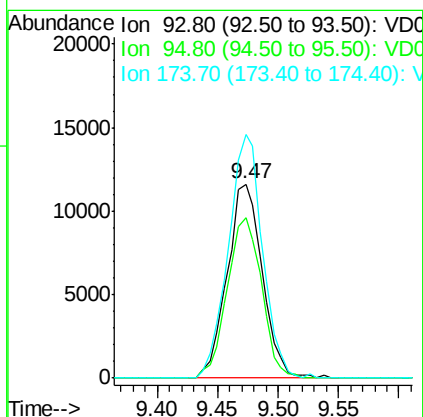
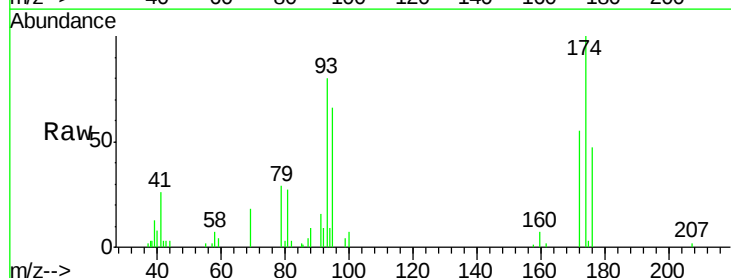
Tgt Ion: 93 Resp: 23582

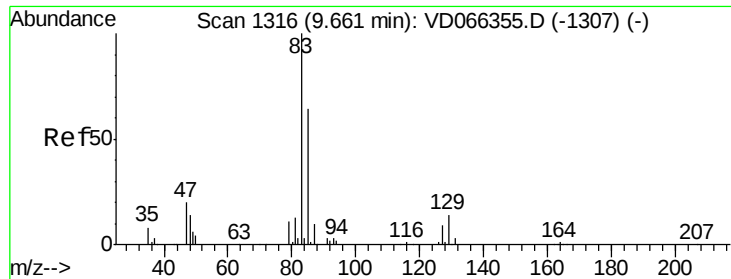
Ion Ratio Lower Upper

93 100

95 80.7 66.0 99.0

174 122.0 94.6 141.8





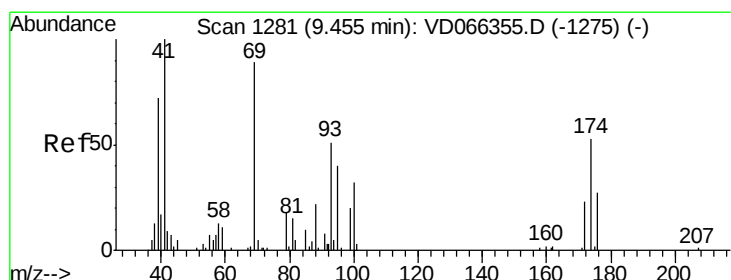
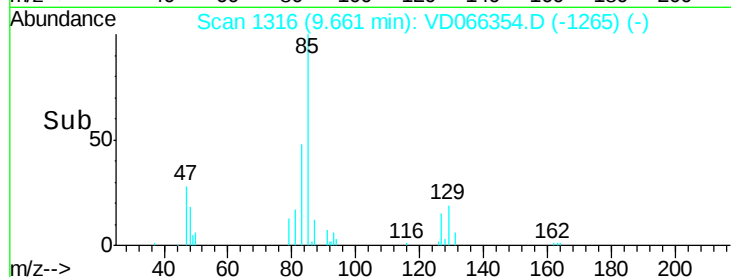
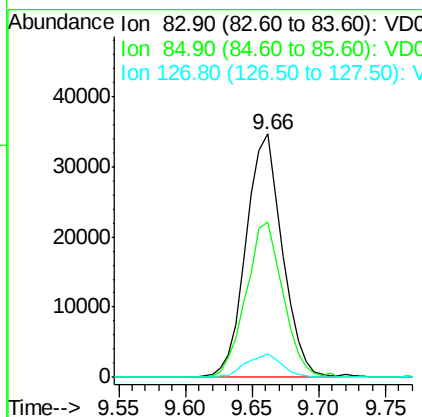
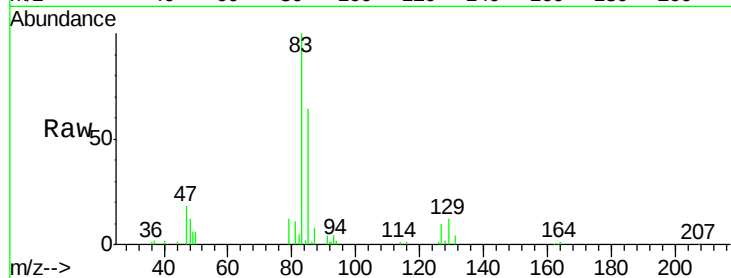
#47
Bromodichloromethane
Concen: 20.427 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100	65232		
85	63.5		51.4	77.0
127	9.5		7.4	11.0

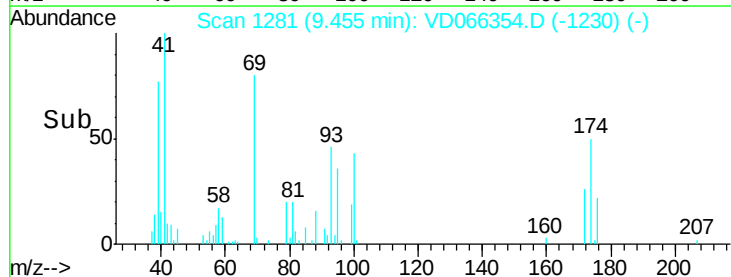
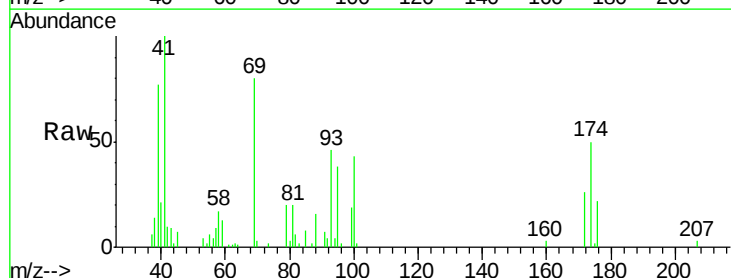
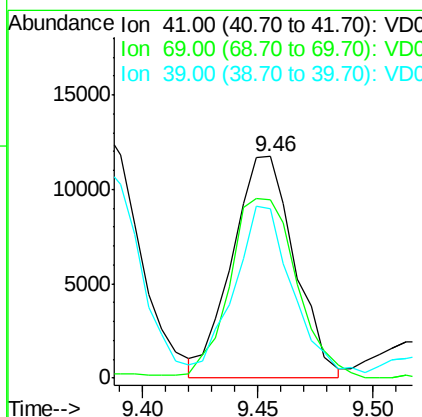
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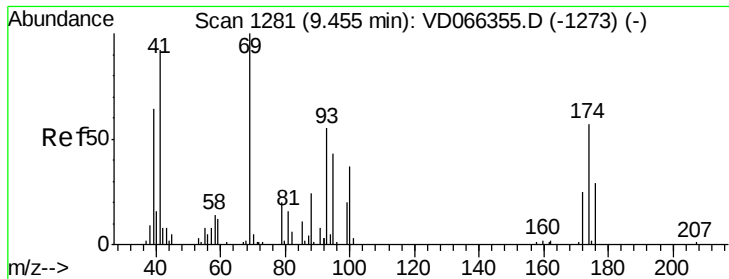
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#48
Methyl methacrylate
Concen: 17.816 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	22111		
69	87.6		75.5	113.3
39	68.9		57.0	85.4





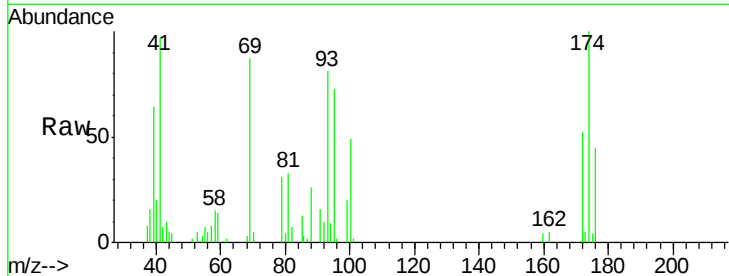
#49
1,4-Dioxane
Concen: 331.676 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

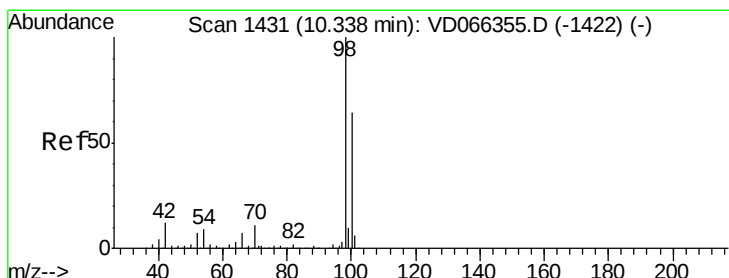
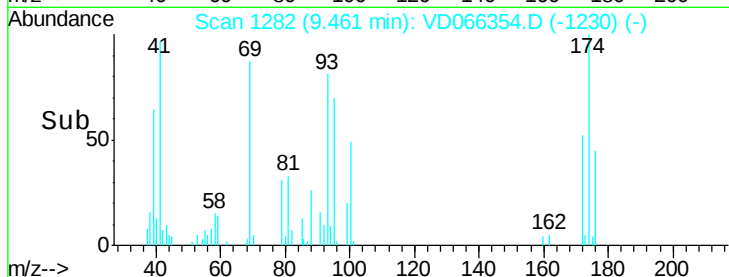
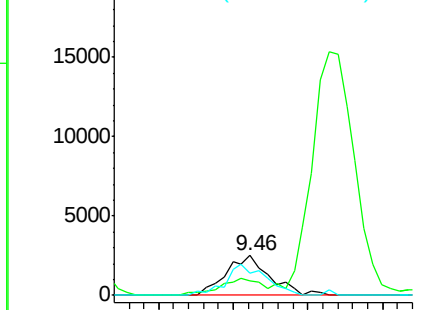
Tot Ion	Ratio	Lower	Upper
88	100		
43	40.8	29.4	44.0
58	72.2	45.4	68.2

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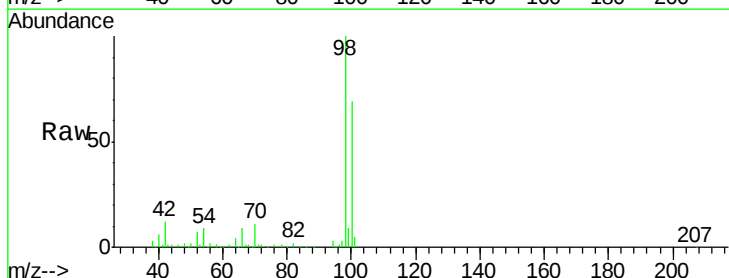


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

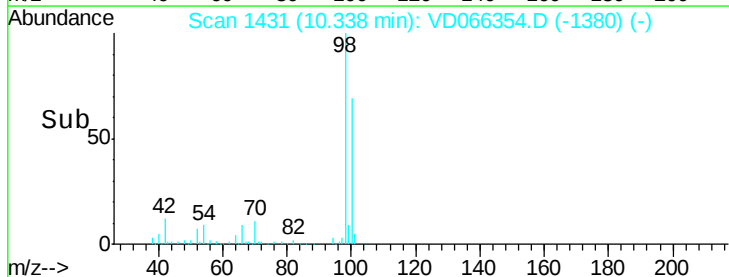
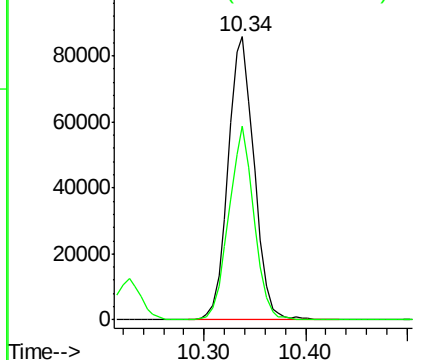


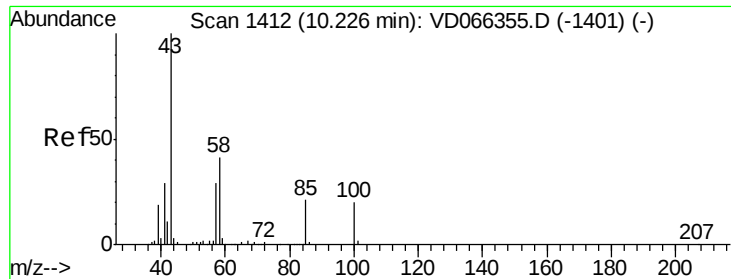
#50
Toluene-d8
Concen: 19.217 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.4



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





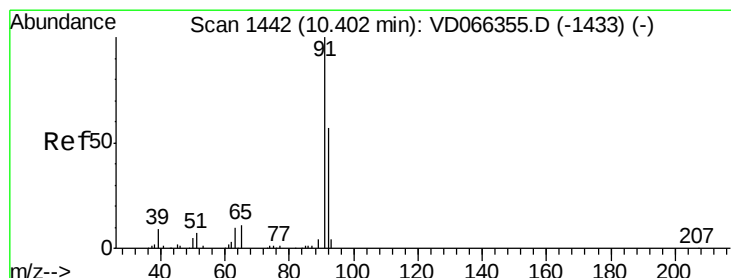
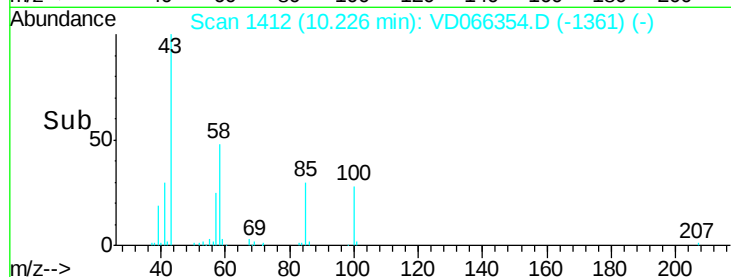
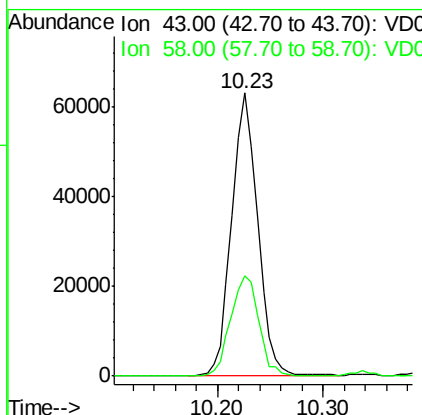
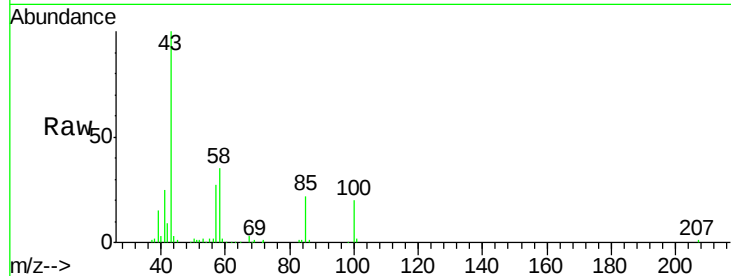
#51
4-Methyl-2-Pentanone
Concen: 86.112 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	108075
Ion Ratio	43	100	
Lower	58	38.0	31.4
Upper			47.2

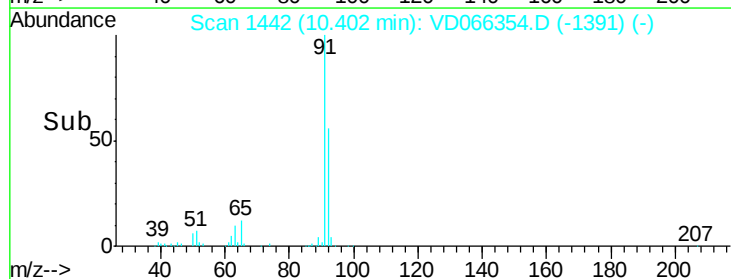
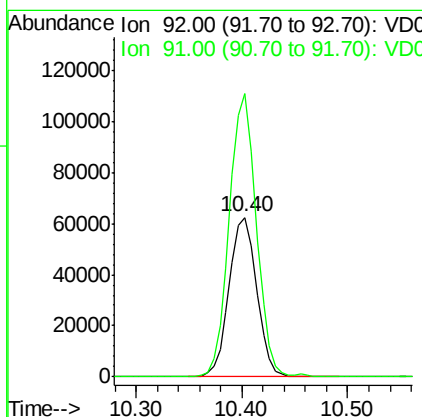
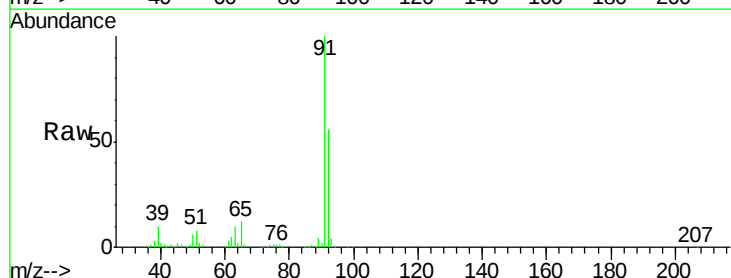
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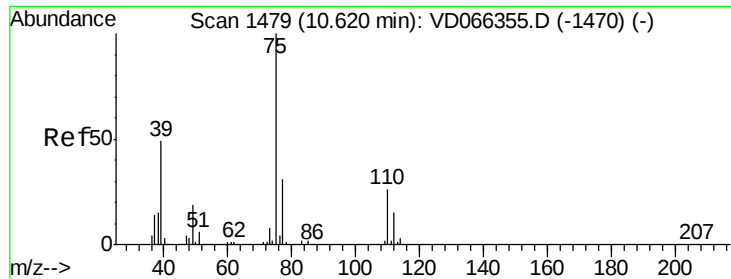
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#52
Toluene
Concen: 19.343 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	92	Resp	113134
Ion Ratio	92	100	
Lower	91	172.5	135.8
Upper			203.6





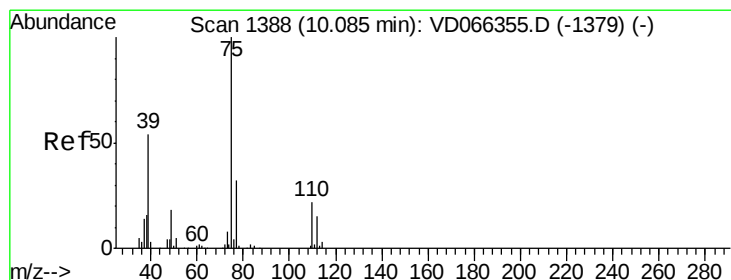
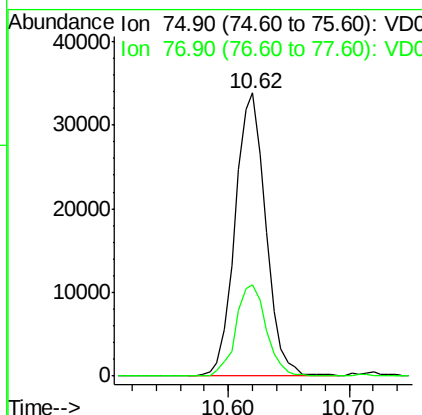
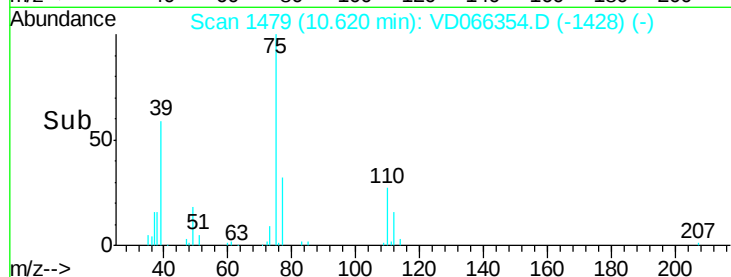
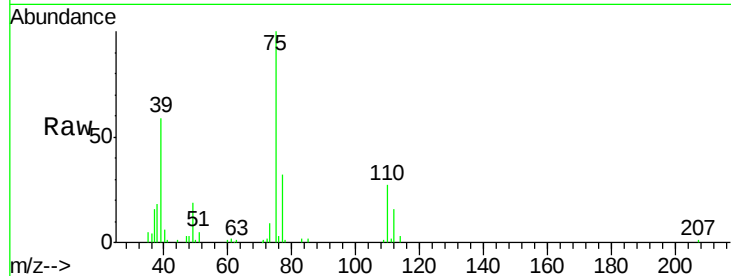
#53
t-1,3-Dichloropropene
Concen: 19.787 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 59945
Ion Ratio Lower Upper
75 100
77 32.3 24.5 36.7

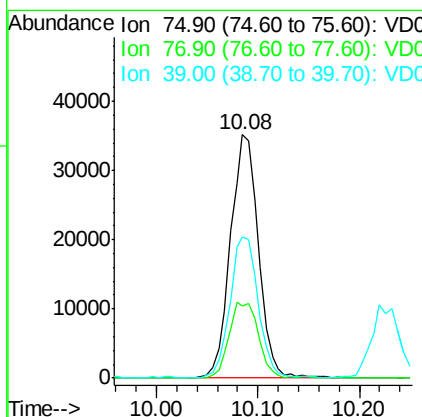
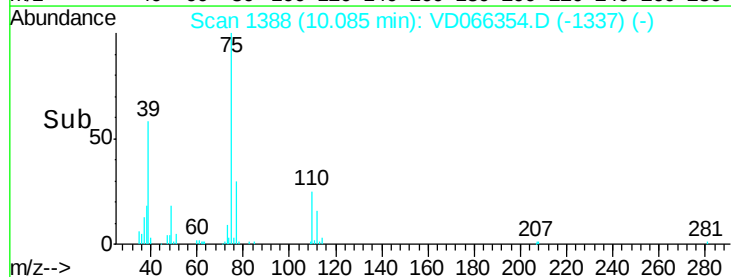
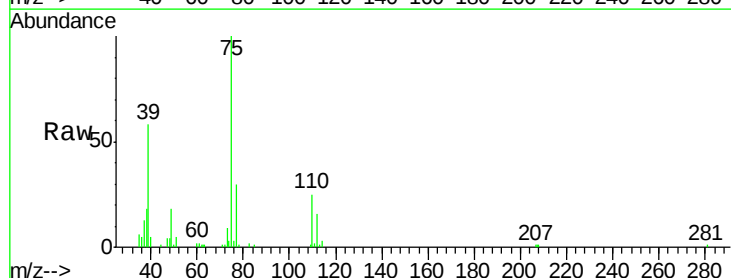
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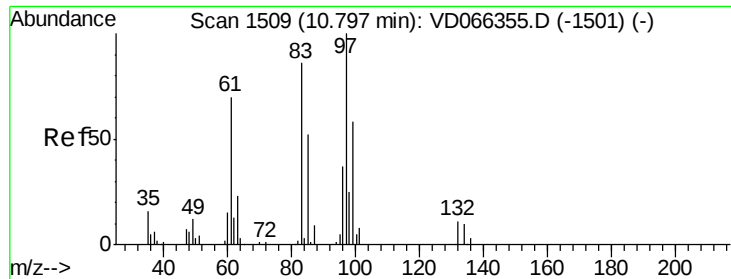
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#54
cis-1,3-Dichloropropene
Concen: 19.090 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion: 75 Resp: 67303
Ion Ratio Lower Upper
75 100
77 29.7 25.6 38.4
39 58.0 43.4 65.0





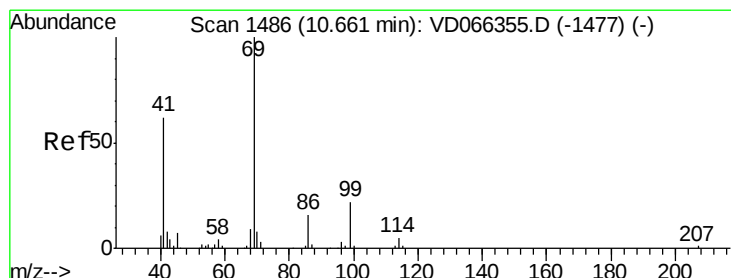
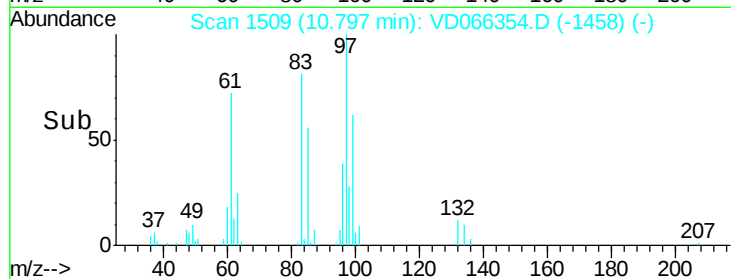
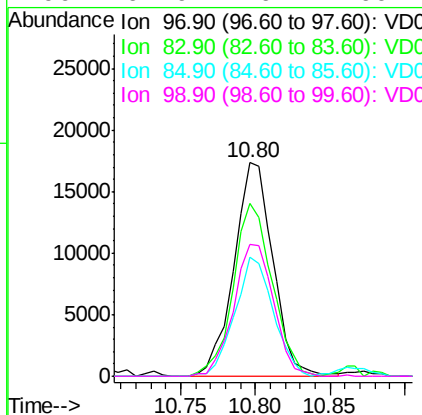
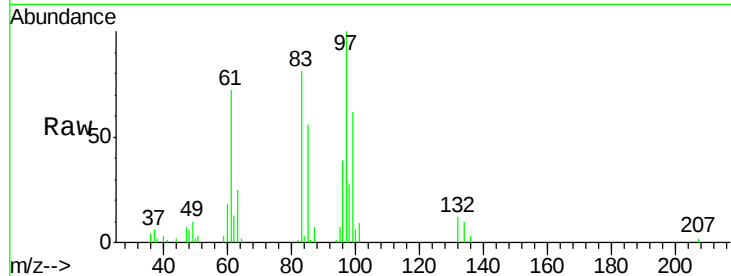
#55
 1,1,2-Trichloroethane
 Concen: 18.397 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	31490
Ion	Ratio	Lower	Upper
97	100		
83	80.9	68.4	102.6
85	55.6	41.3	61.9
99	61.9	46.1	69.1

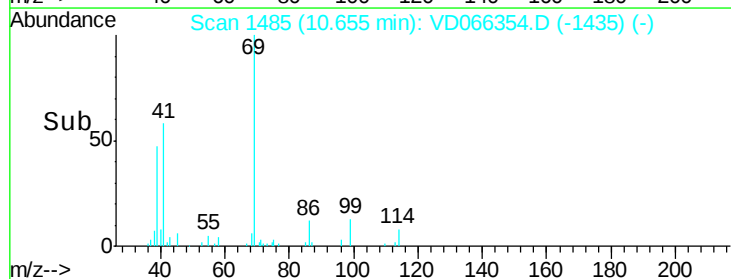
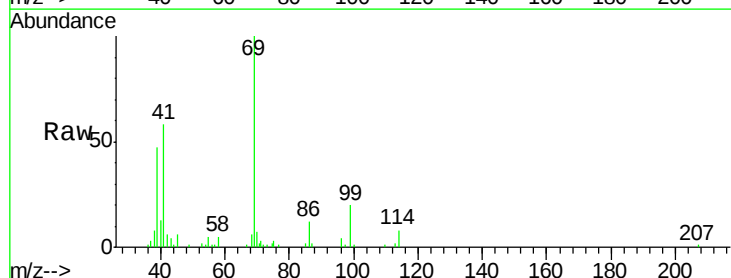
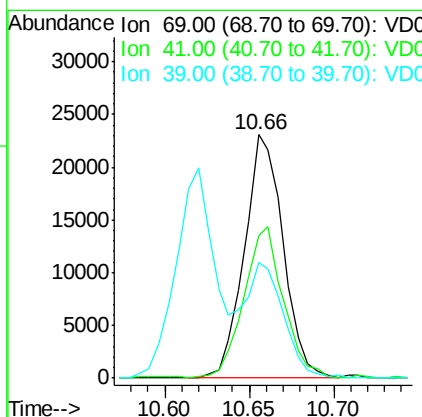
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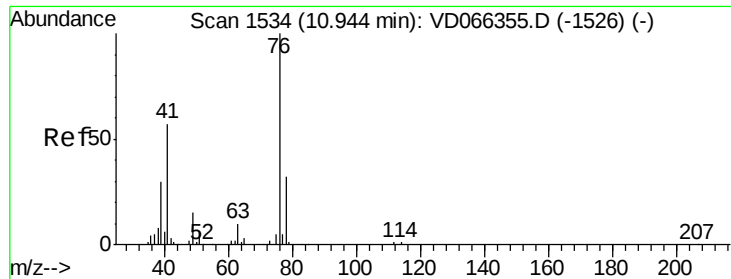
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#56
 Ethyl methacrylate
 Concen: 17.986 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Tgt Ion:	69	Resp:	36776
Ion	Ratio	Lower	Upper
69	100		
41	63.9	50.8	76.2
39	43.3	32.9	49.3





#57

1,3-Dichloropropane

Concen: 18.587 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 52698

Ion Ratio Lower Upper

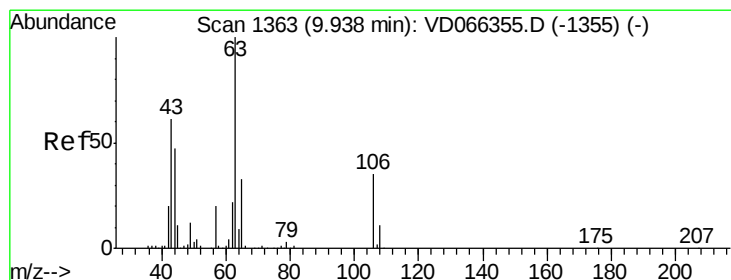
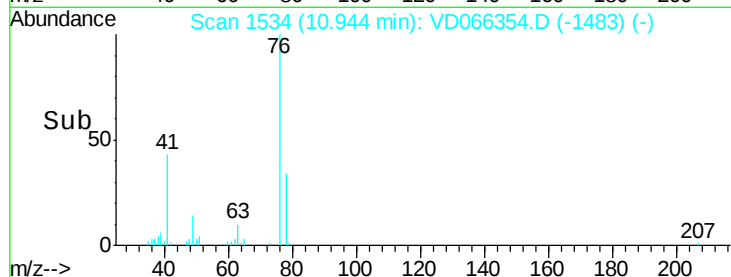
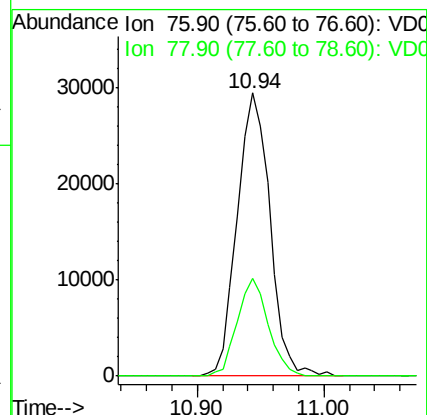
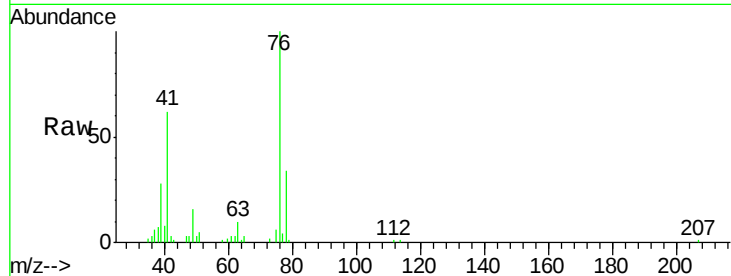
76 100

78 32.5 25.6 38.4

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 86.558 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066354.D

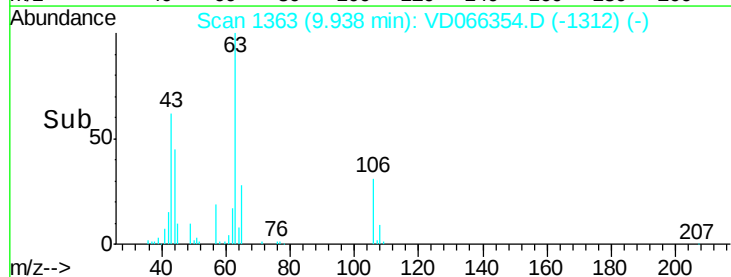
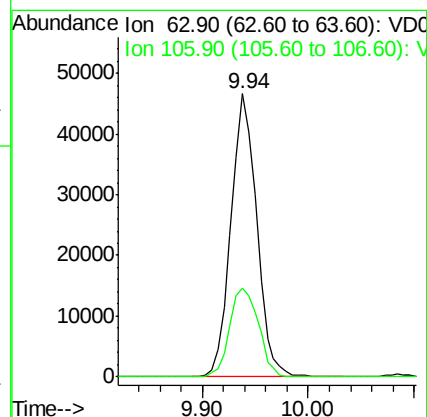
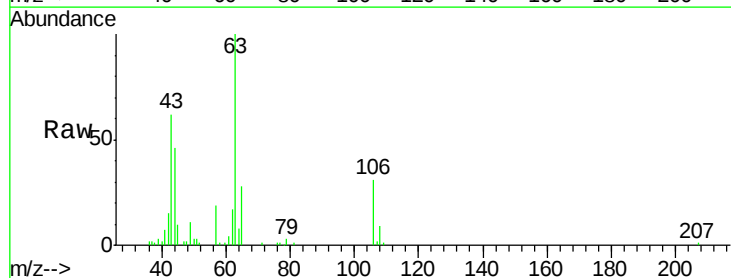
Acq: 21 Aug 2020 11:52

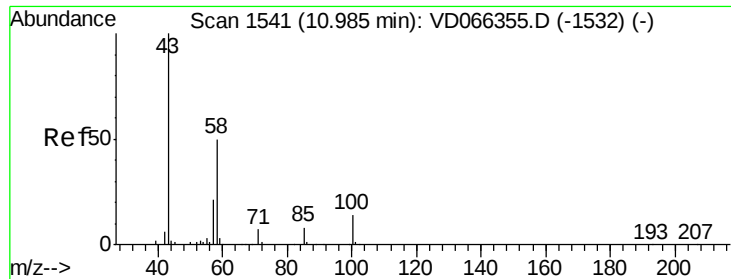
Tgt Ion: 63 Resp: 78528

Ion Ratio Lower Upper

63 100

106 34.9 27.1 40.7





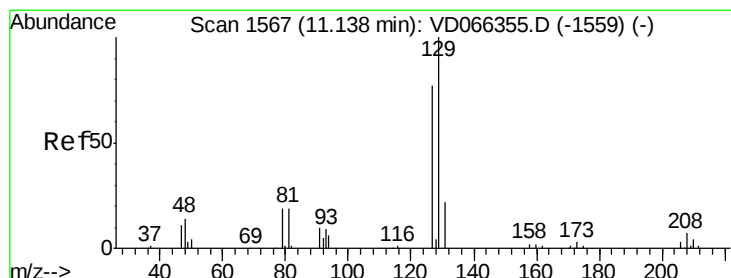
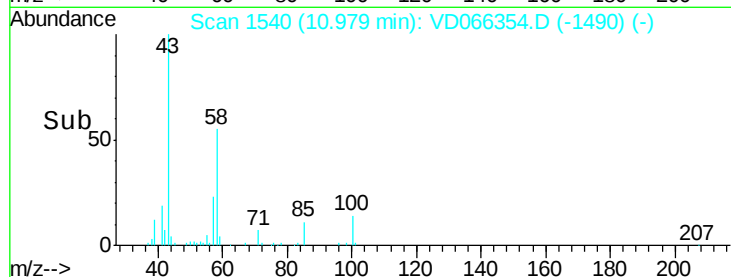
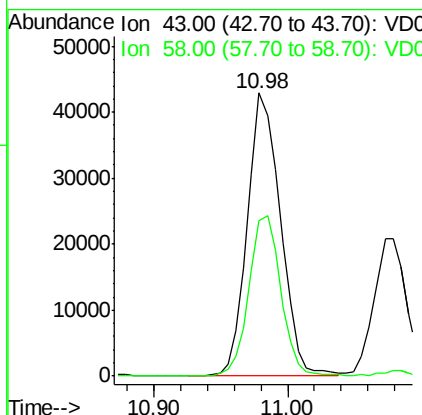
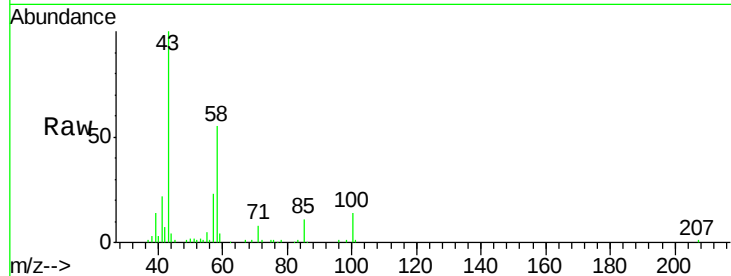
#59
2-Hexanone
Concen: 83.351 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.5	26.3	78.8

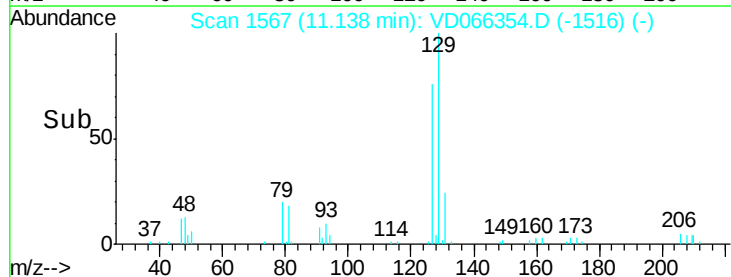
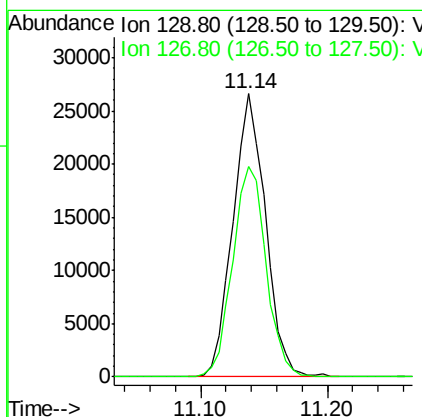
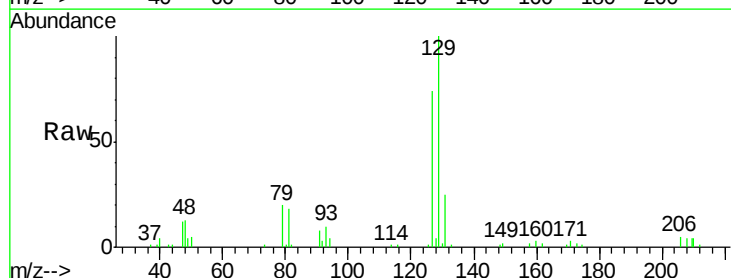
Manual Integrations
APPROVED

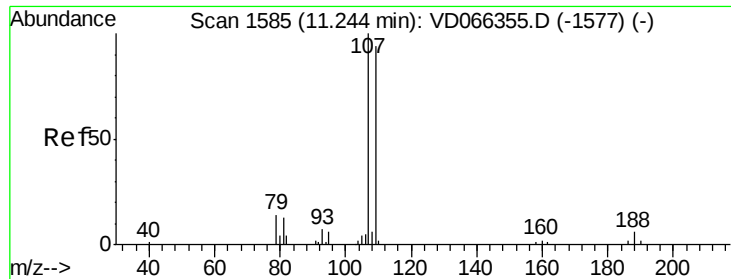
MMDadoda
8/24/2020 4:36:34 PM



#60
Dibromochloromethane
Concen: 19.928 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	39.0	117.0





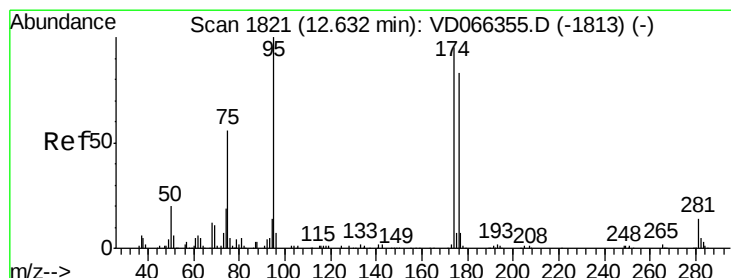
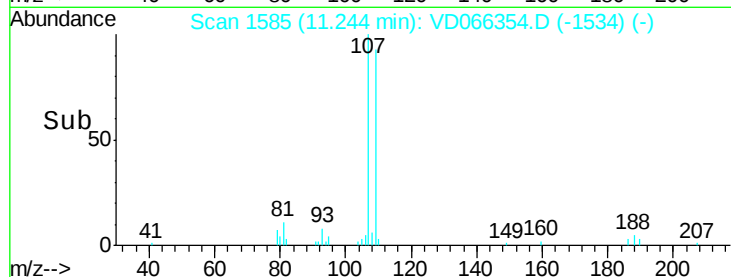
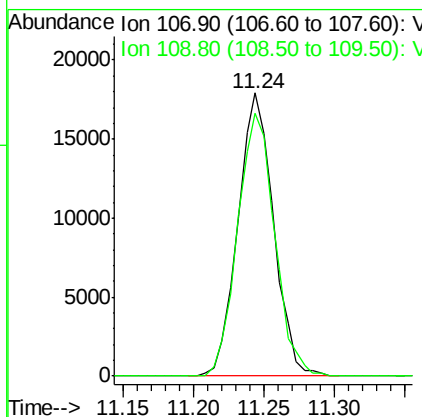
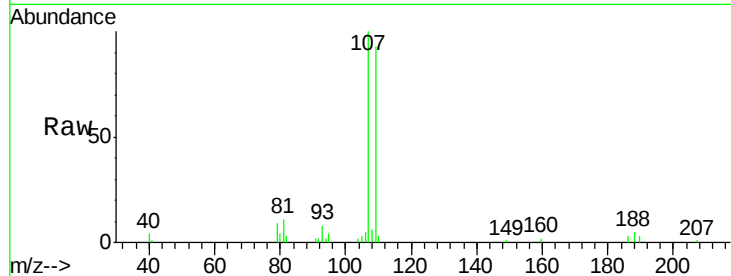
#61
 1,2-Dibromoethane
 Concen: 19.236 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	77.8	116.8

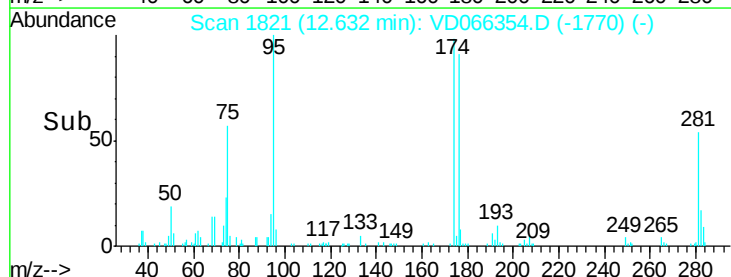
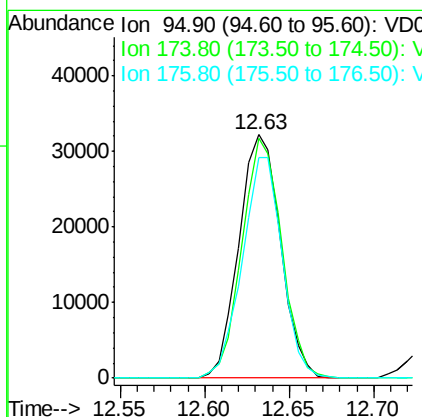
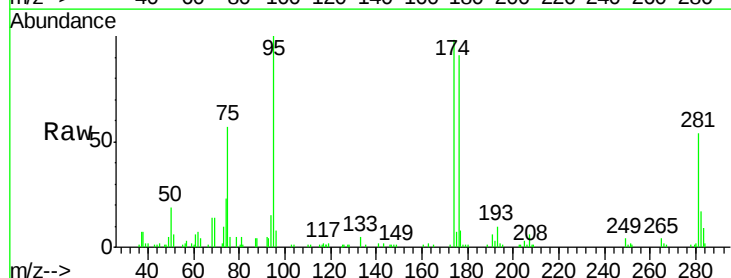
Manual Integrations
 APPROVED

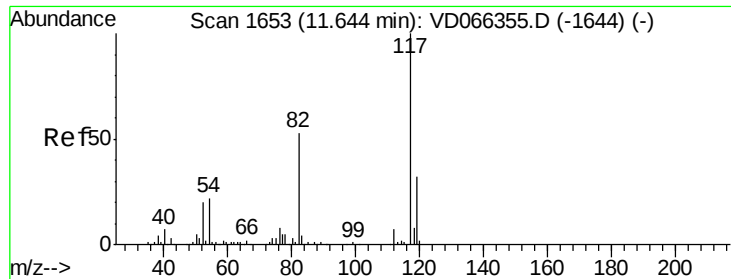
MMDadoda
 8/24/2020 4:36:34 PM



#62
 4-Bromofluorobenzene
 Concen: 19.241 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.5	0.0	183.4
176	87.3	0.0	173.8





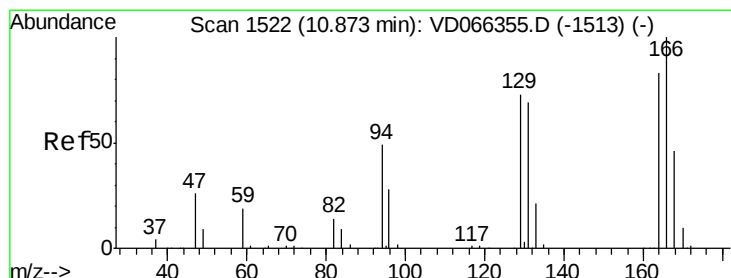
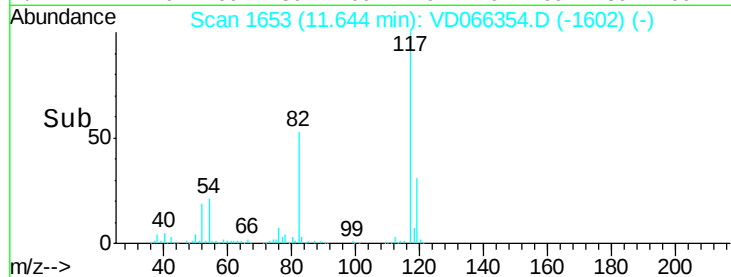
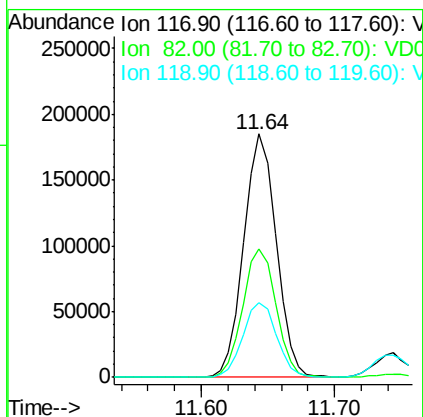
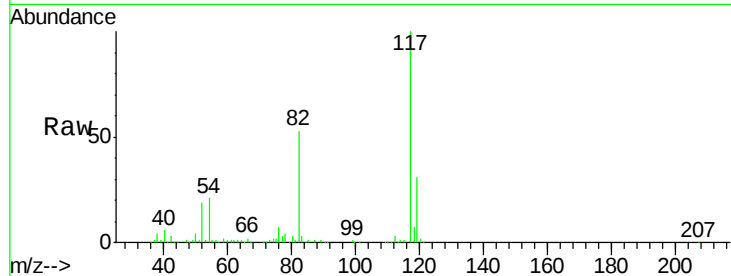
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	311554		
82	53.0		42.8	64.2
119	30.6		25.8	38.8

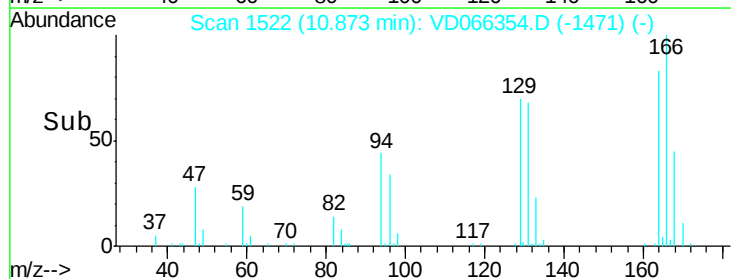
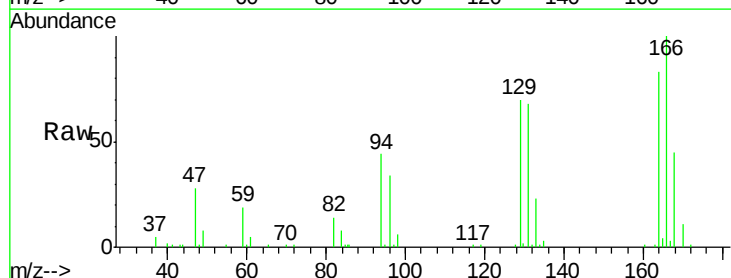
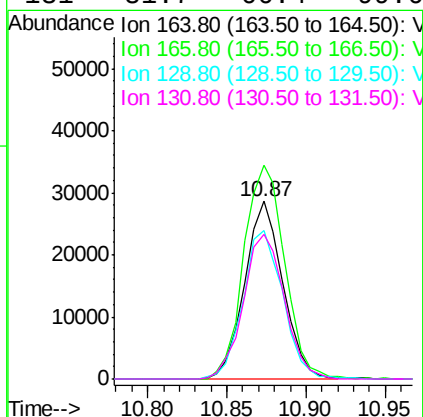
Manual Integrations
APPROVED

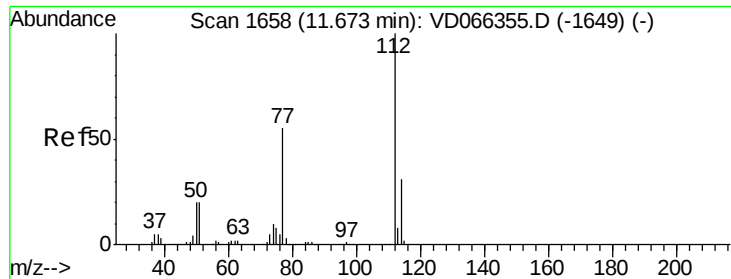
MMDadoda
8/24/2020 4:36:34 PM



#64
Tetrachloroethene
Concen: 19.878 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47866		
166	120.3		96.2	144.4
129	83.8		70.3	105.5
131	81.7		66.4	99.6





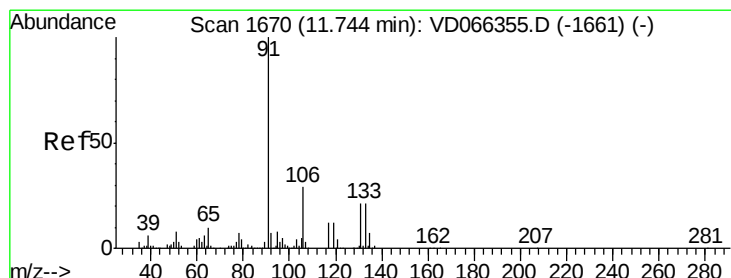
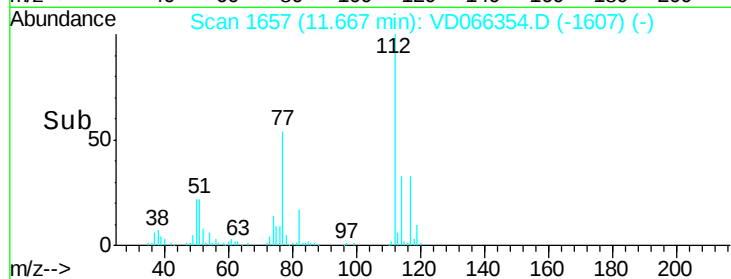
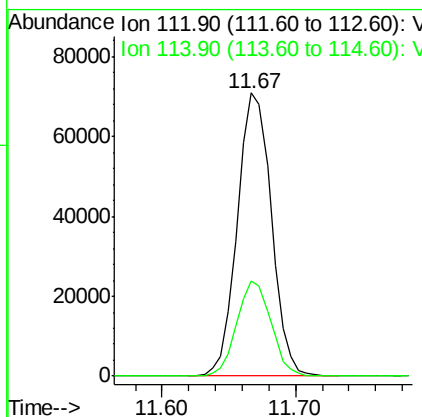
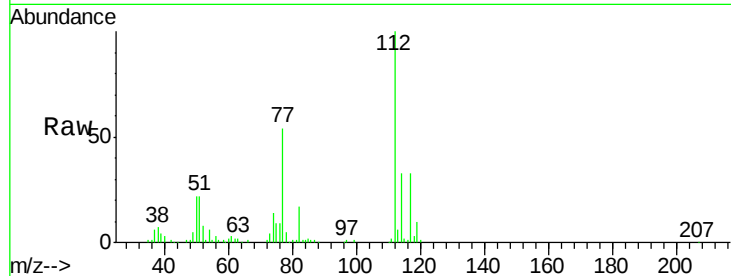
#65
Chlorobenzene
Concen: 19.703 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.1	37.7

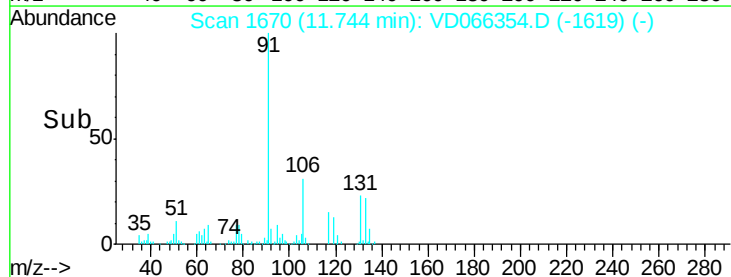
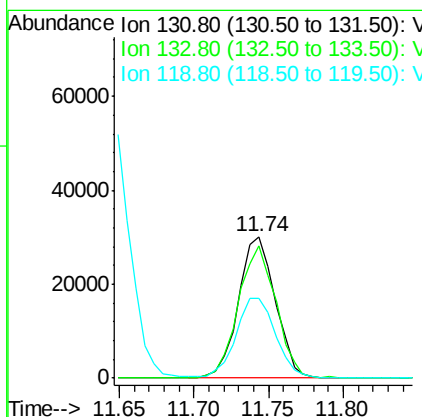
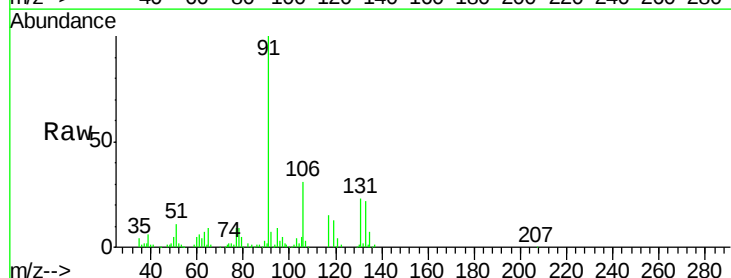
Manual Integrations
APPROVED

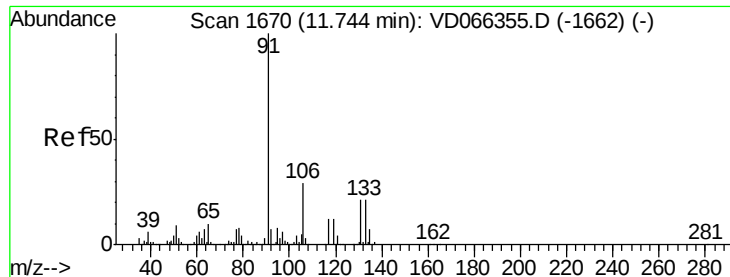
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.681 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.6	145.9
119	60.8	29.0	87.1





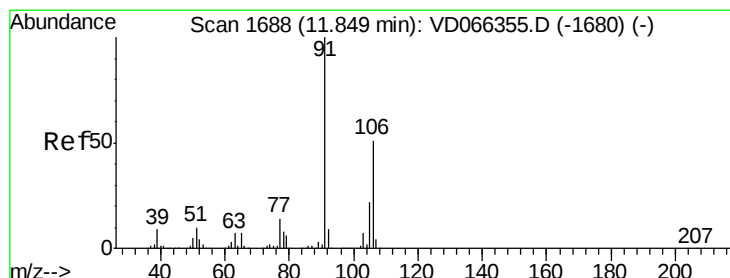
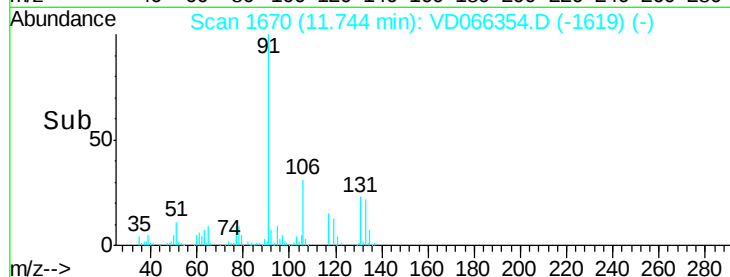
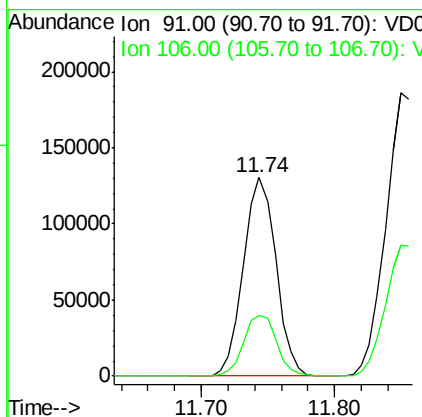
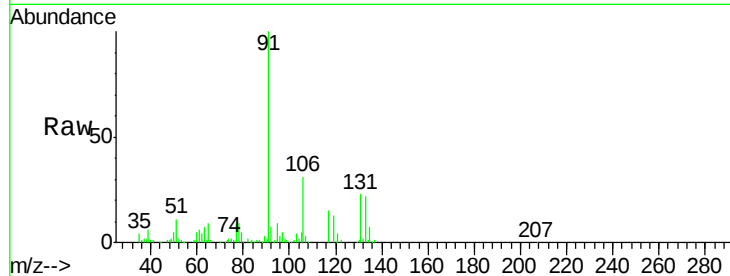
#67
Ethyl Benzene
Concen: 19.976 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 221145
Ion Ratio Lower Upper
91 100
106 30.8 23.4 35.2

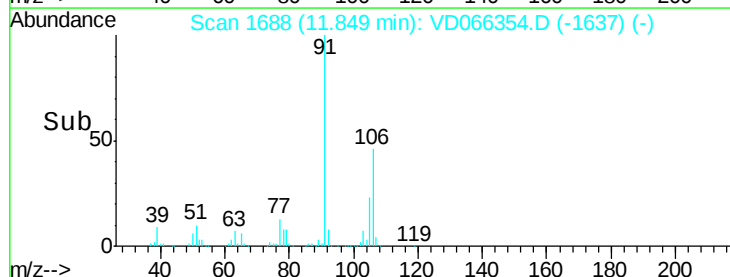
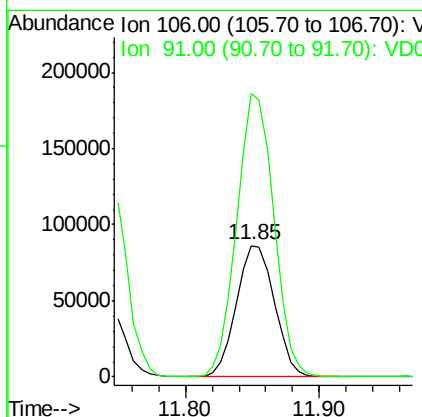
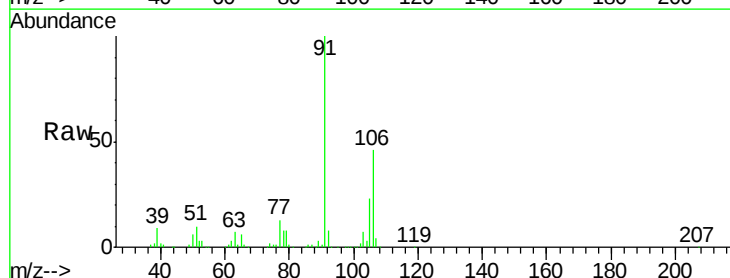
Manual Integrations
APPROVED

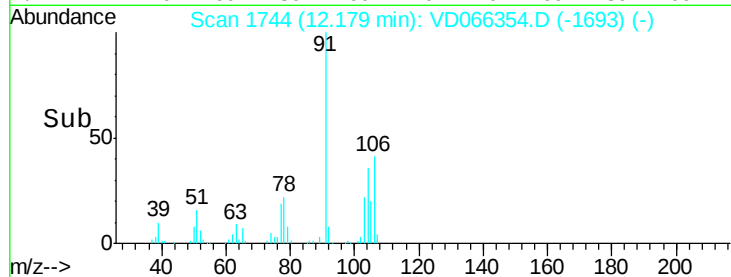
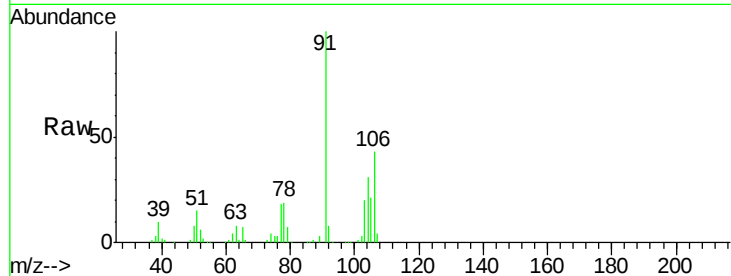
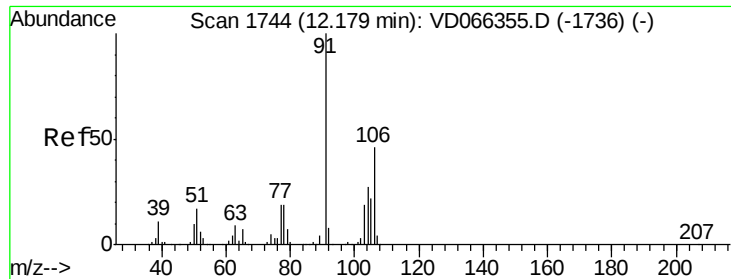
MMDadoda
8/24/2020 4:36:34 PM



#68
m/p-Xylenes
Concen: 39.935 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion: 106 Resp: 170458
Ion Ratio Lower Upper
106 100
91 210.1 160.7 241.1





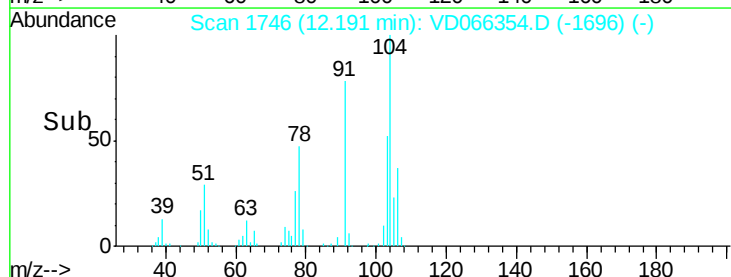
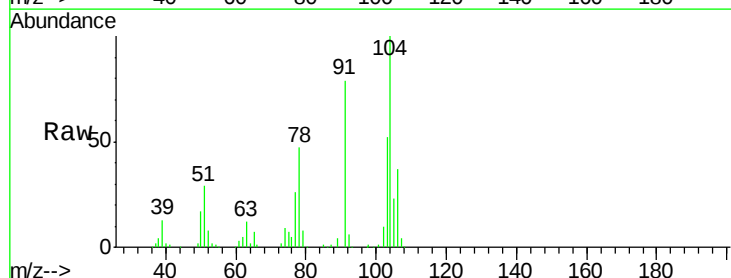
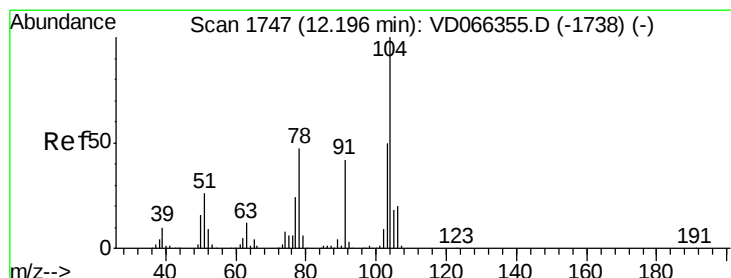
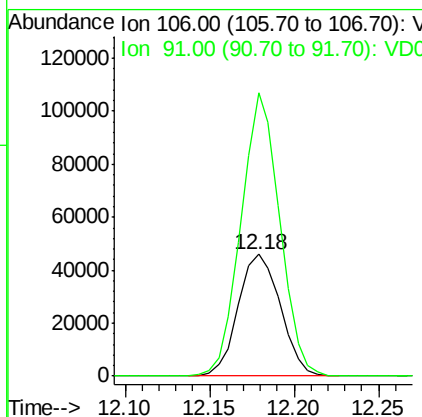
#69
o-Xylene
Concen: 20.617 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		79928		
91	214.2	109.1	327.3		

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

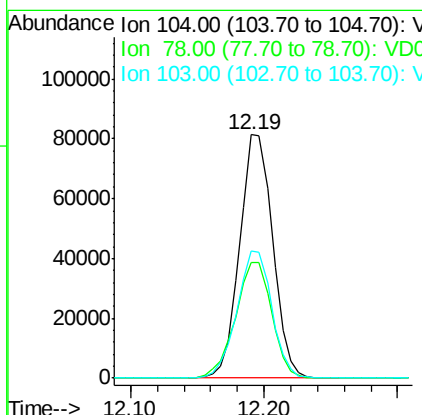
Manual Integrations
APPROVED

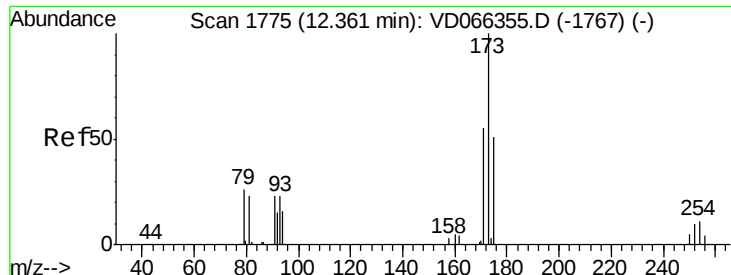
MMDadoda
8/24/2020 4:36:34 PM



#70
Styrene
Concen: 20.573 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		139632		
78	52.3	41.7	62.5		
103	55.3	43.5	65.3		





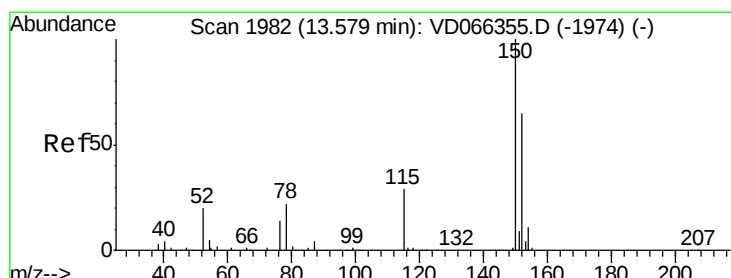
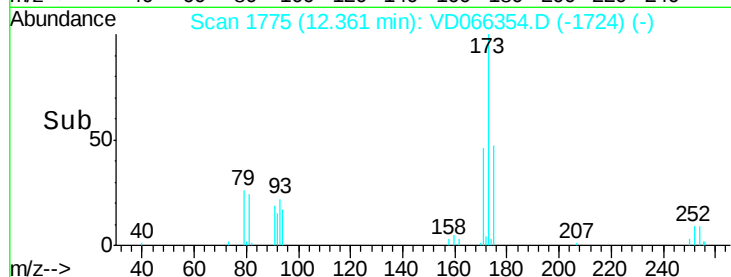
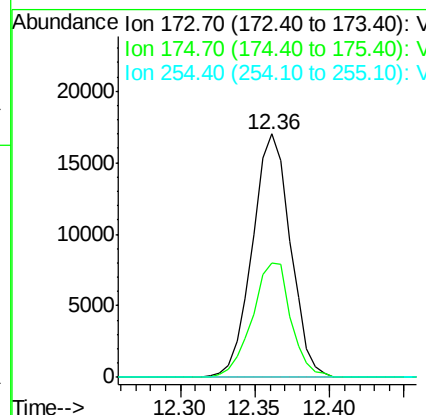
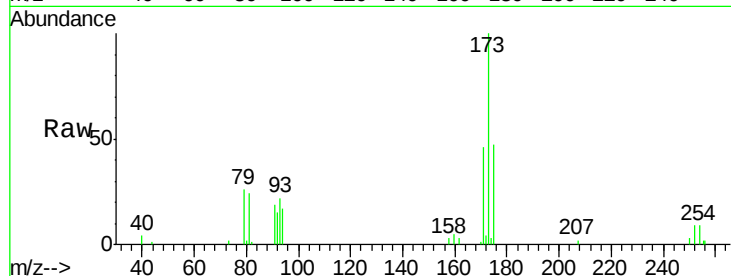
#71
Bromoform
Concen: 20.364 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.4	24.8	74.3
254	0.0	0.0	0.0

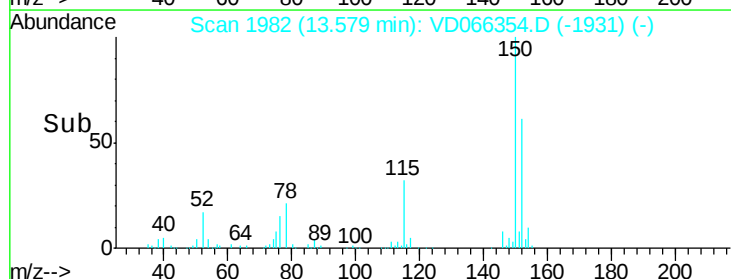
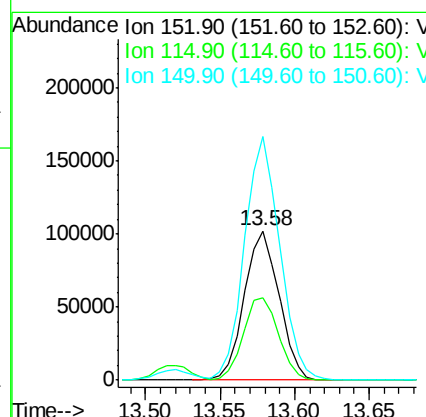
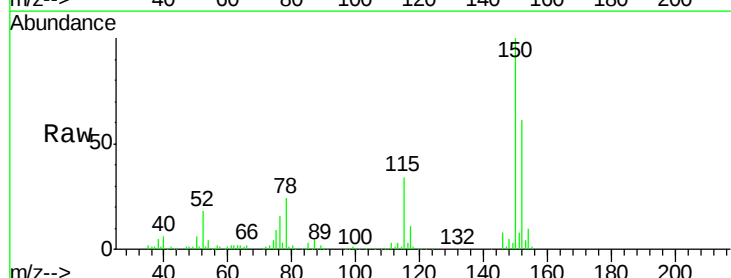
Manual Integrations
APPROVED

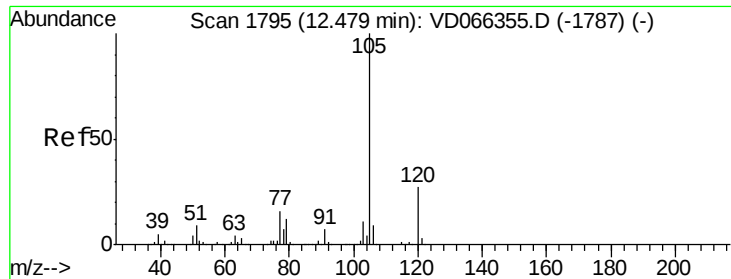
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.3	85.0
150	165.7	0.0	343.2





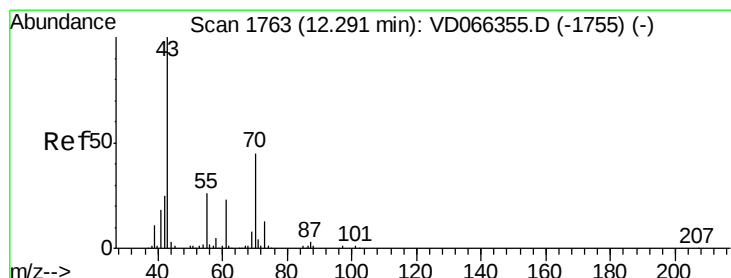
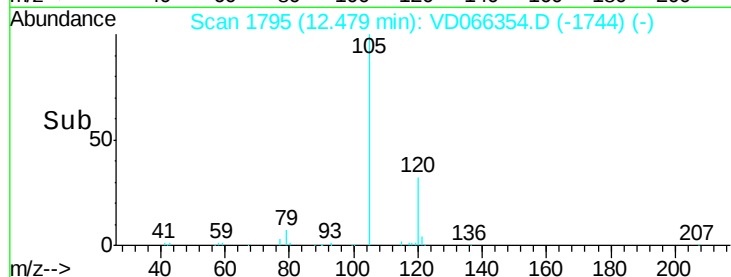
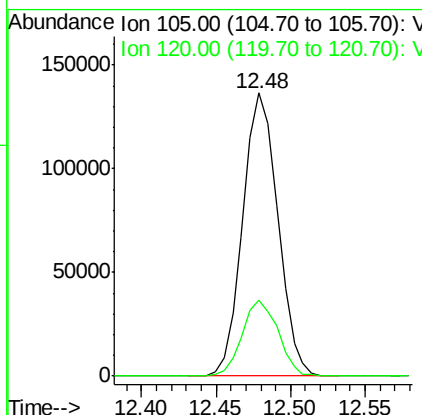
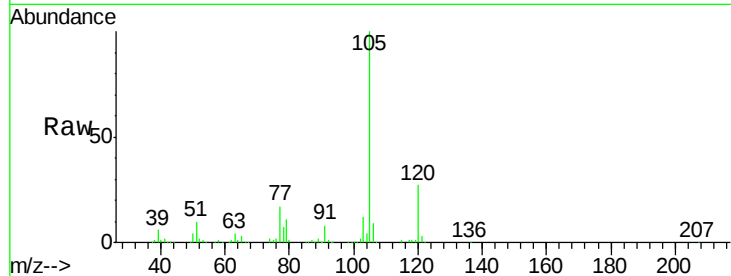
#73
Isopropylbenzene
Concen: 20.153 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	222583		
120	27.4	13.6	40.8	

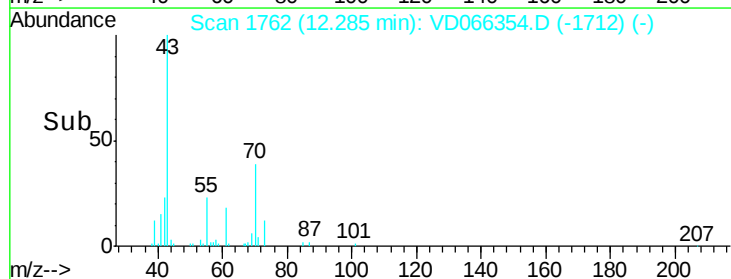
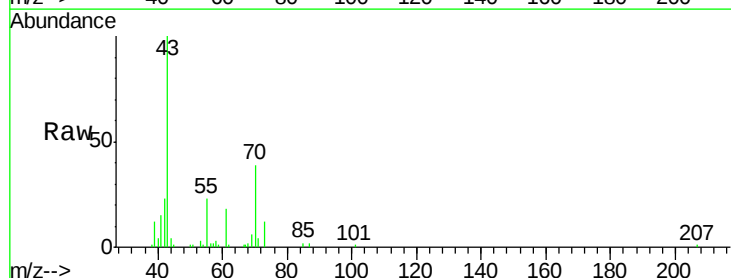
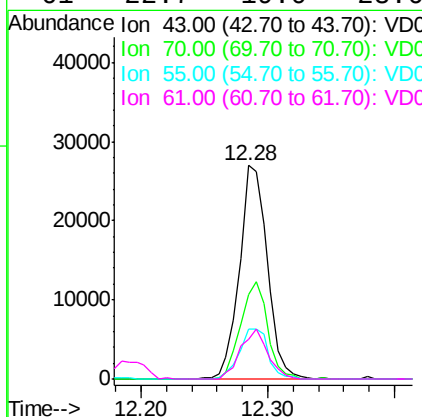
Manual Integrations
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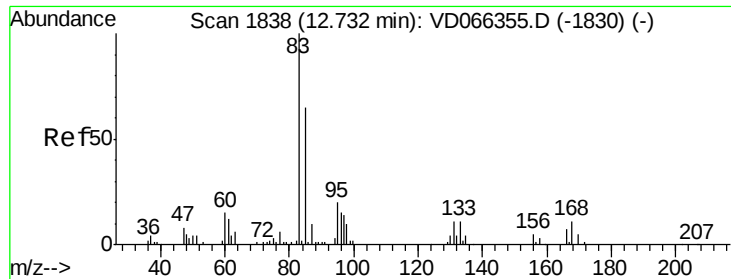
MMDadoda
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#74
N-ethyl acetate
Concen: 17.422 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	41111		
70	43.7	34.8	52.2	
55	24.4	20.3	30.5	
61	22.7	19.0	28.6	





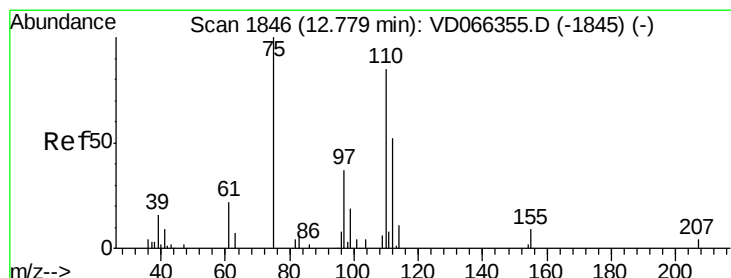
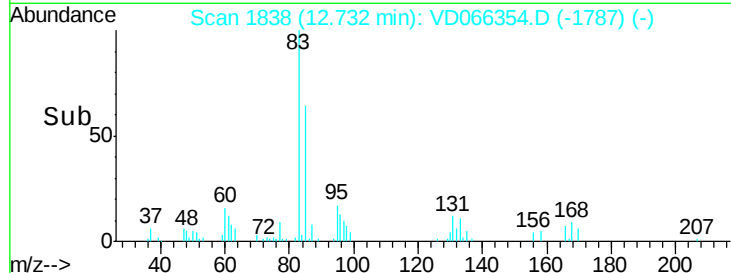
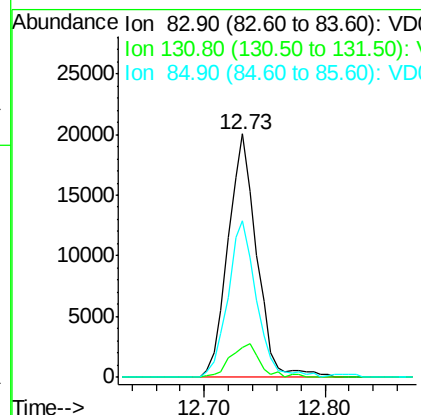
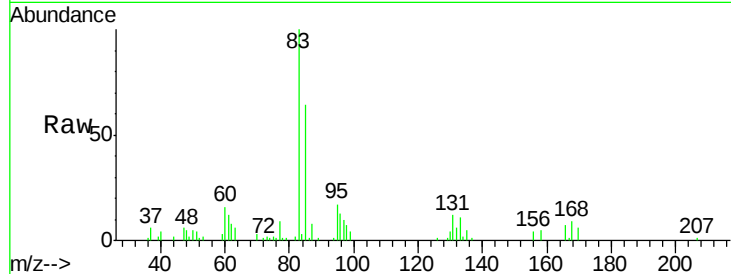
#75
 1,1,2,2-Tetrachloroethane
 Concen: 17.862 ug/l
 RT: 12.73 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	83	Resp	32898
Ion Ratio	100	Lower	Upper
83	100		
131	14.3	7.0	20.9
85	64.2	32.4	97.0

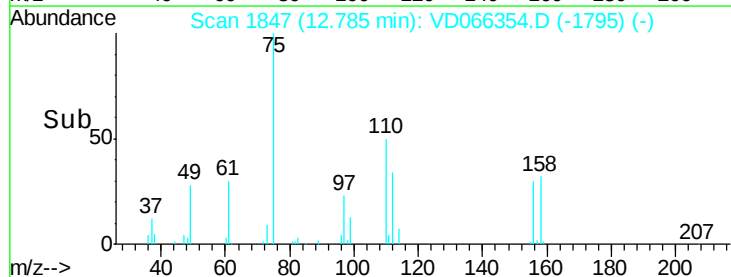
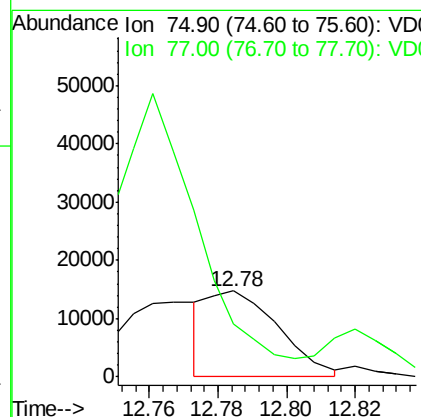
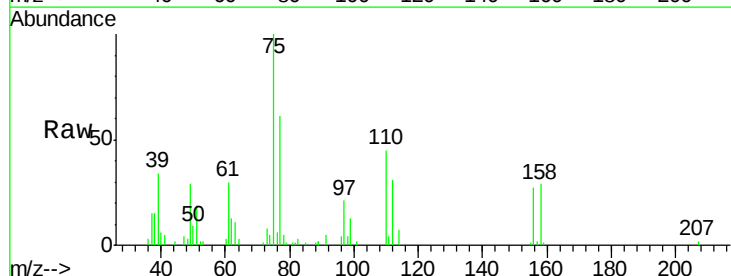
Manual Integrations
 APPROVED

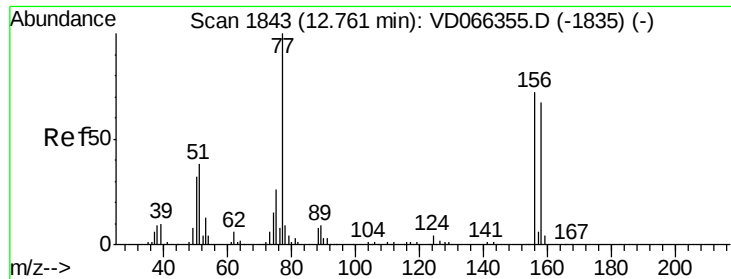
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#76
 1,2,3-Trichloropropane
 Concen: 15.526 ug/l m
 RT: 12.78 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Tgt Ion	75	Resp	21086
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	182.9	548.9#





#77

Bromobenzene

Concen: 19.826 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

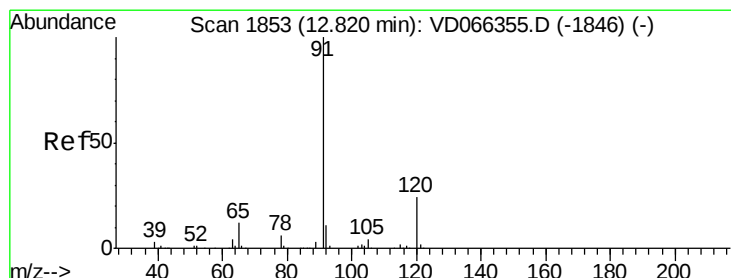
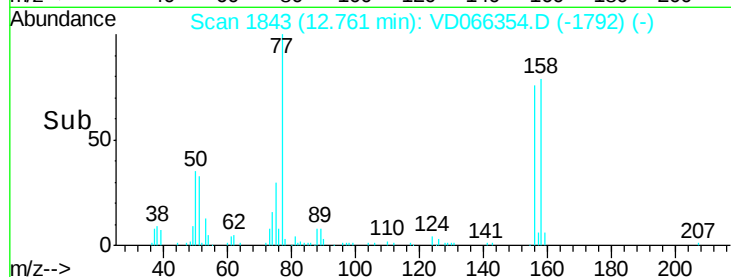
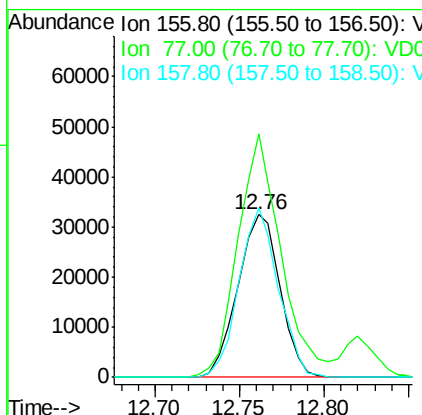
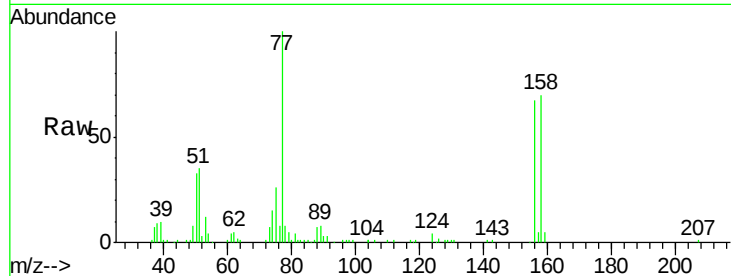
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.2	76.1	228.3
158	97.5	47.6	142.9

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#78

n-propylbenzene

Concen: 19.912 ug/l

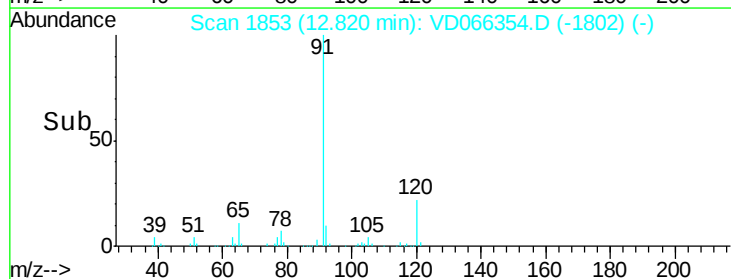
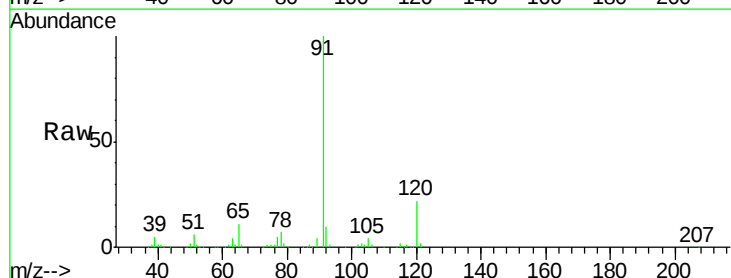
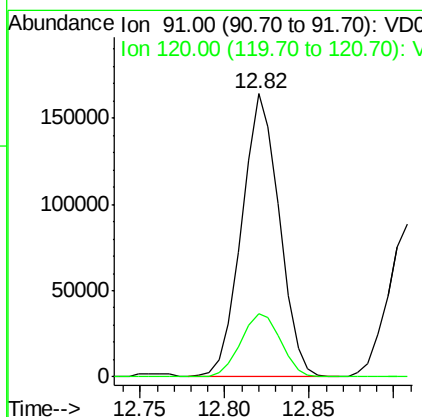
RT: 12.82 min Scan# 1853

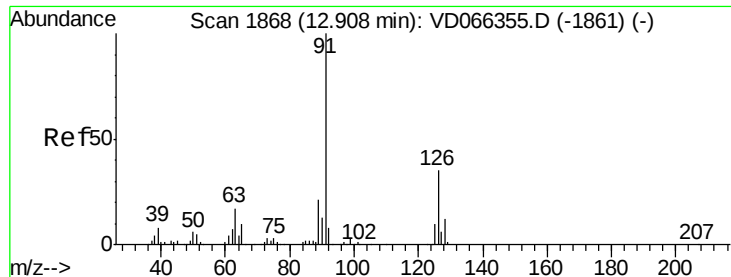
Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.0	36.0





#79

2-Chlorotoluene

Concen: 20.033 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 146385

Ion Ratio Lower Upper

91 100

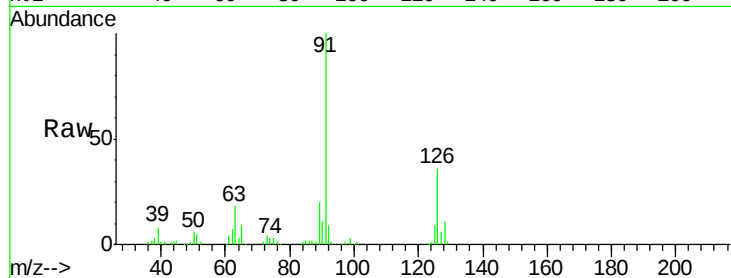
126 35.8 17.7 53.1

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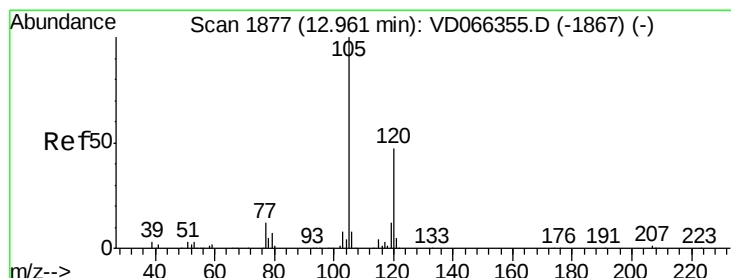
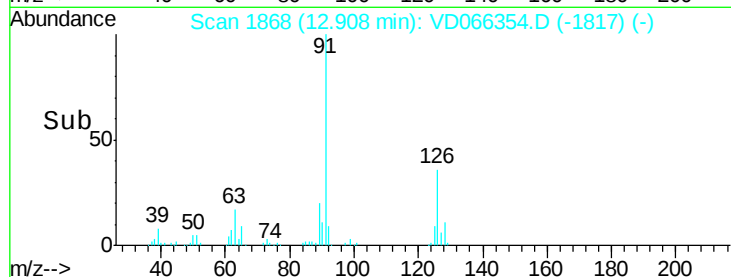
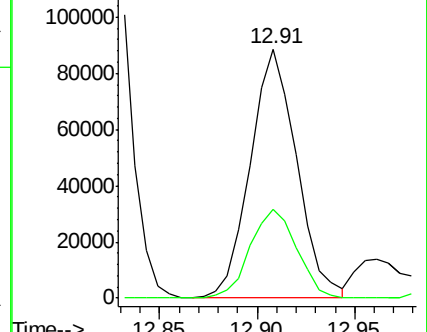
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Abundance Ion 91.00 (90.70 to 91.70): VD066355.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066355.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.698 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066354.D

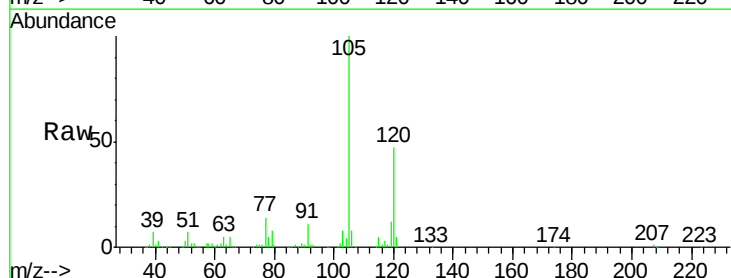
Acq: 21 Aug 2020 11:52

Tgt Ion:105 Resp: 192385

Ion Ratio Lower Upper

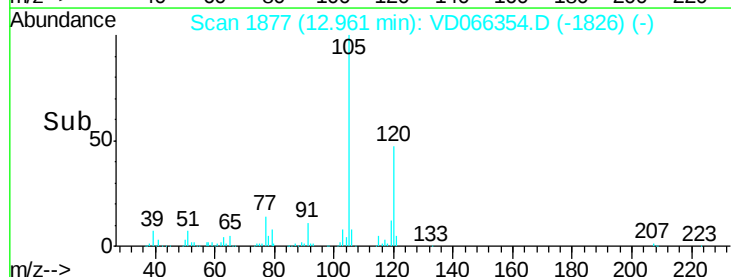
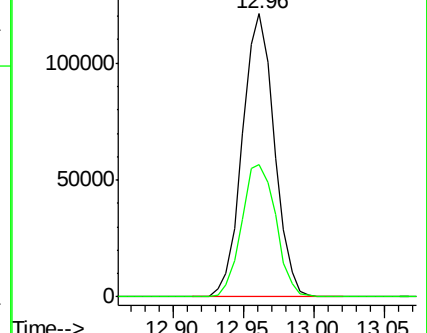
105 100

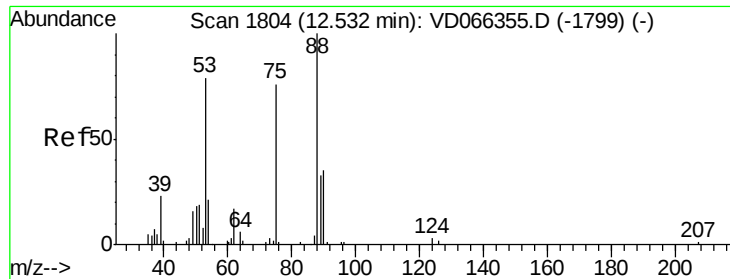
120 50.1 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VD066355.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD066355.D (-1867) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.833 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

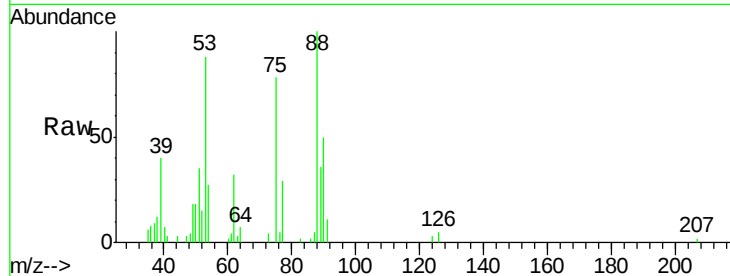
ClientSampleId :

VSTDIC020

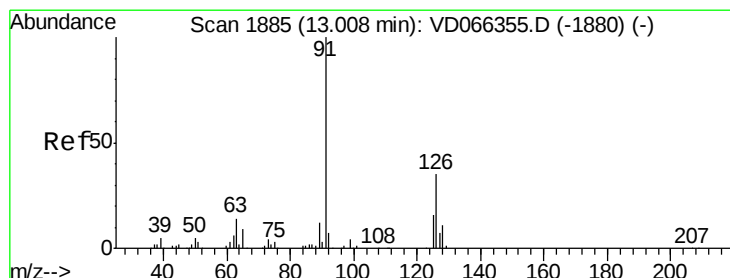
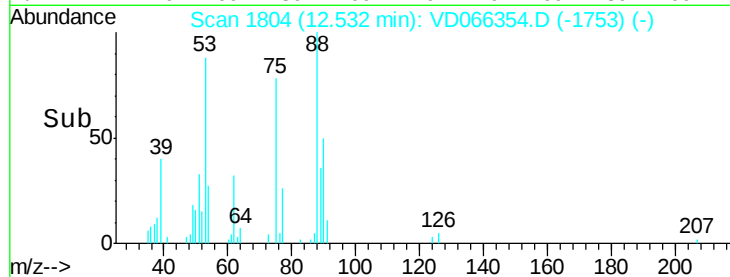
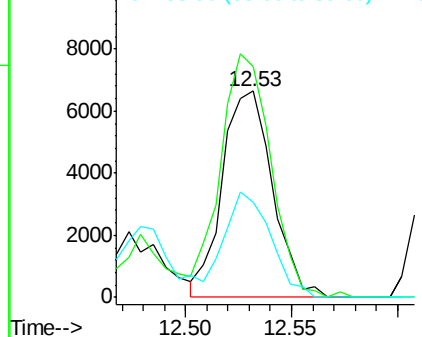
Tot Ion:	75	Resp:	10936
Ion	Ratio	Lower	Upper
75	100		
53	118.7	87.4	131.2
89	46.9	39.4	59.0

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Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 19.976 ug/l

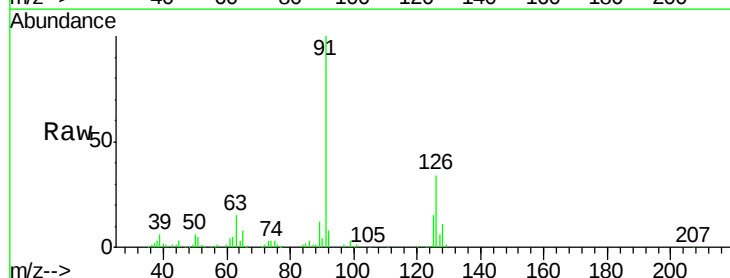
RT: 13.00 min Scan# 1884

Delta R.T. -0.01 min

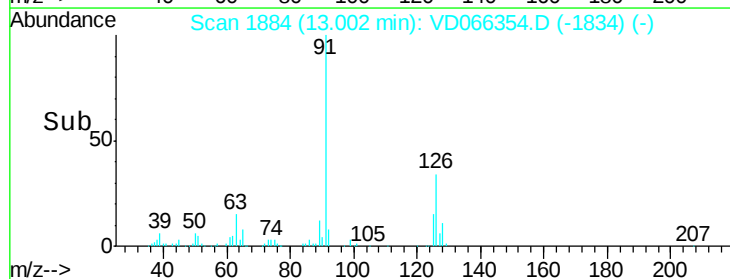
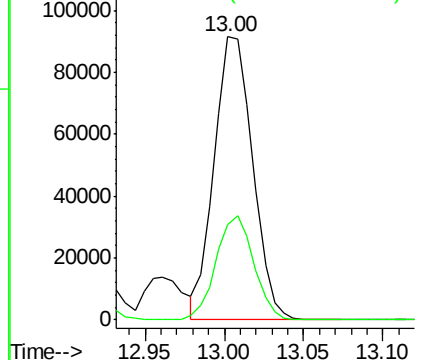
Lab File: VD066354.D

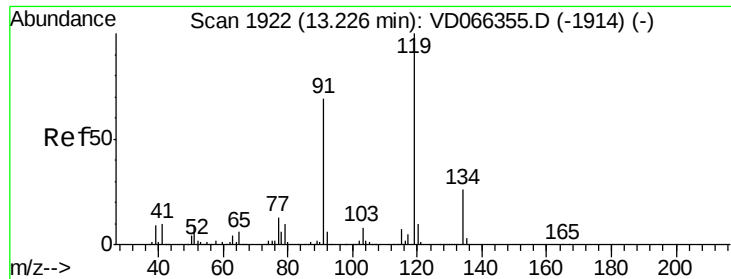
Acq: 21 Aug 2020 11:52

Tgt Ion:	91	Resp:	154568
Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.4	52.2



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





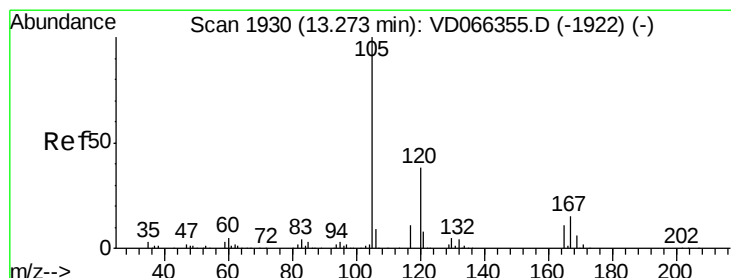
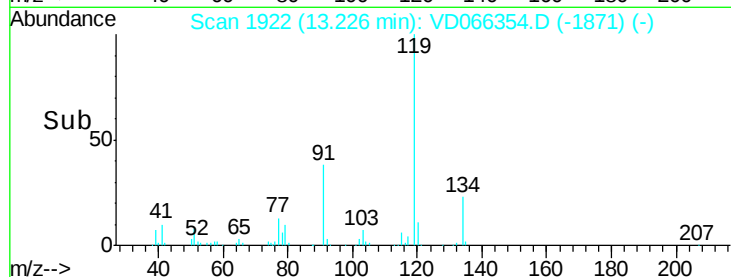
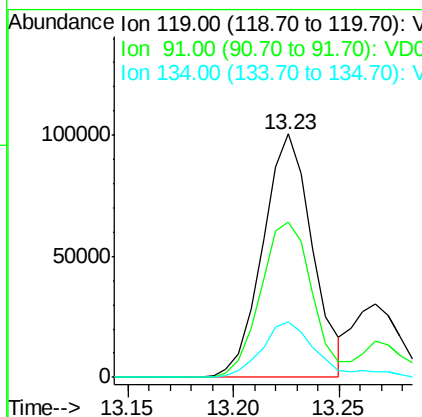
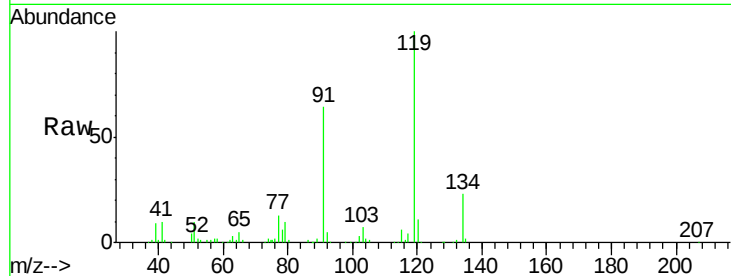
#83
tert-Butylbenzene
Concen: 20.197 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	164022		
91	67.2	33.5	100.5	
134	23.7	13.5	40.4	

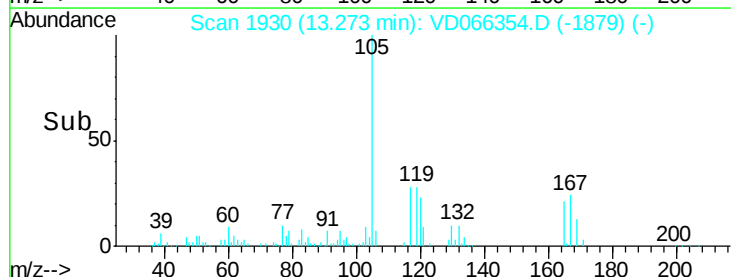
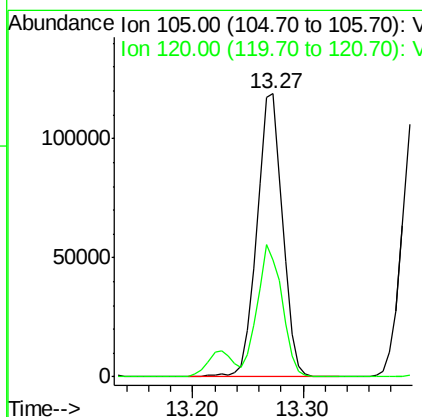
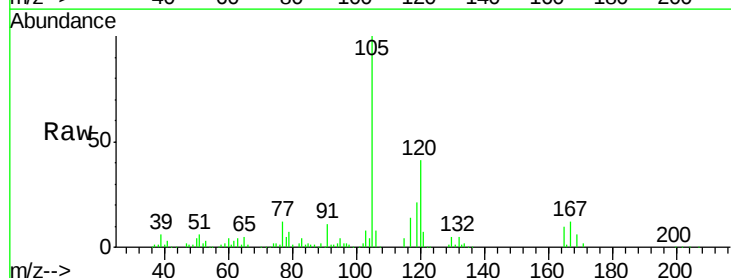
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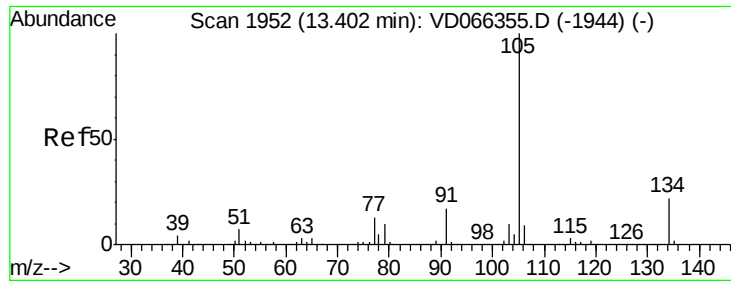
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#84
1,2,4-Trimethylbenzene
Concen: 20.963 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	193806		
120	44.9	22.6	67.7	





#85

sec-Butylbenzene

Concen: 20.347 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 222807

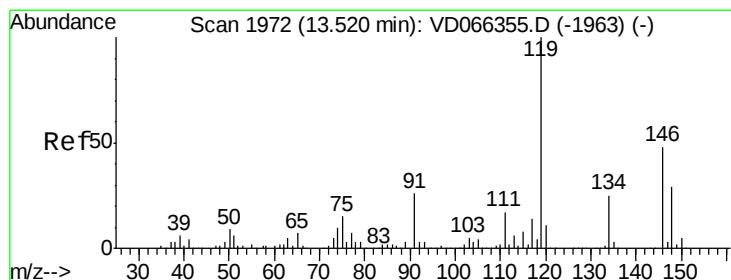
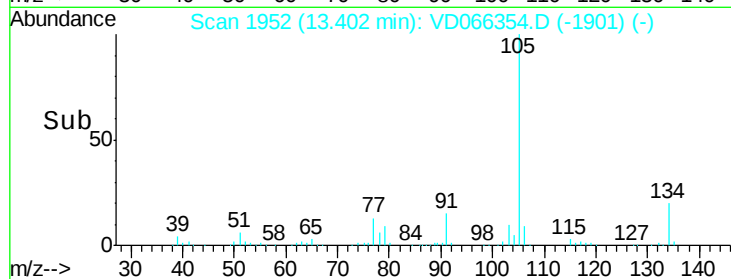
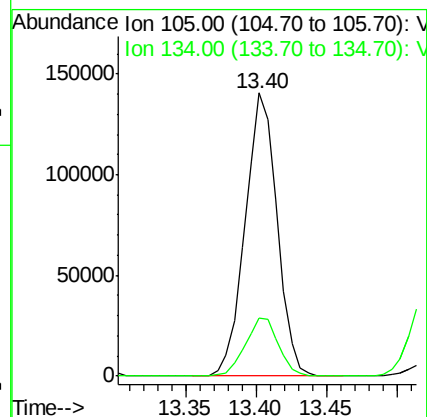
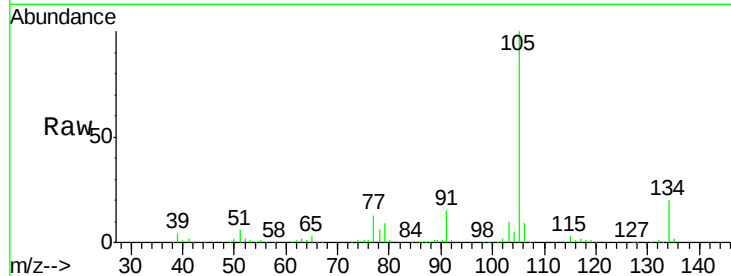
Ion Ratio Lower Upper

105 100

134 21.1 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 20.614 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066354.D

Acq: 21 Aug 2020 11:52

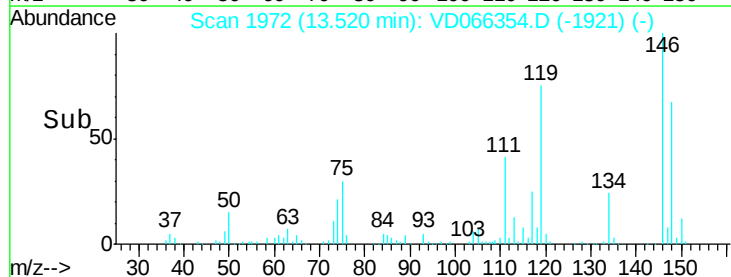
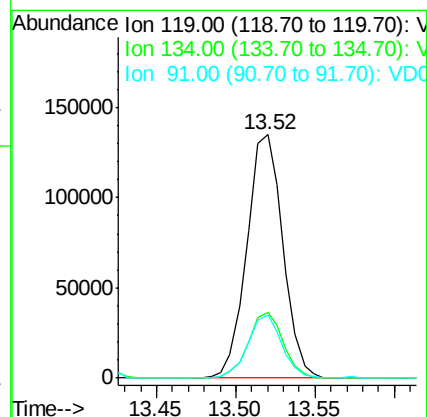
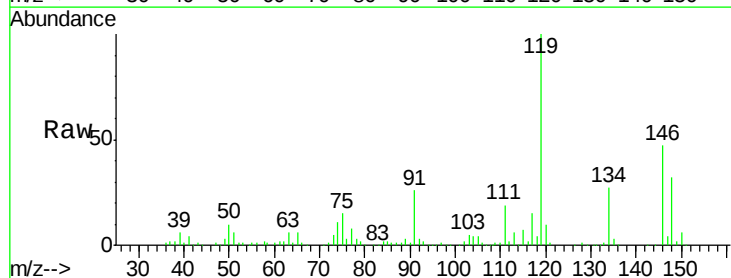
Tgt Ion:119 Resp: 212821

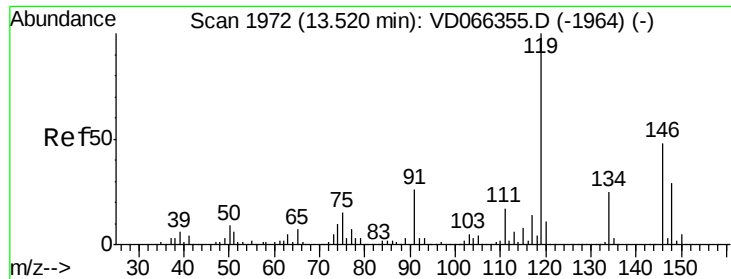
Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.3

91 24.4 12.7 38.0





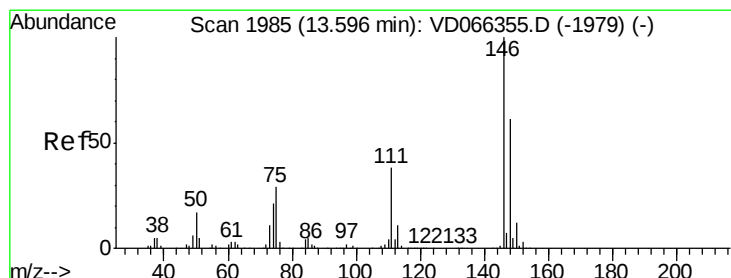
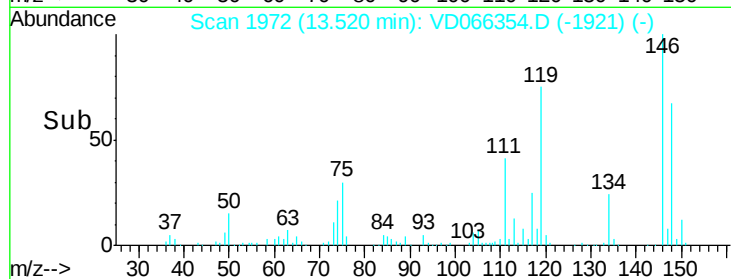
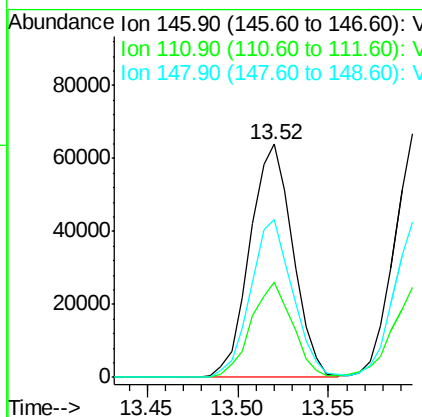
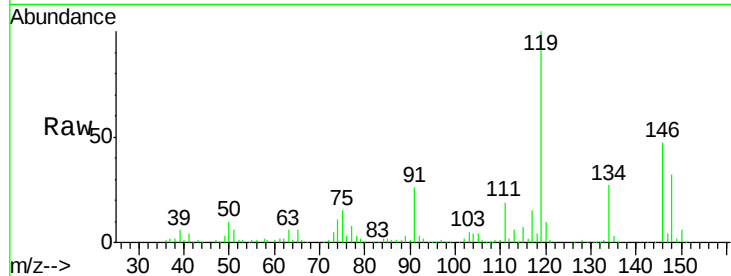
#87
 1,3-Dichlorobenzene
 Concen: 19.782 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.9	56.9
148	66.3	31.8	95.3

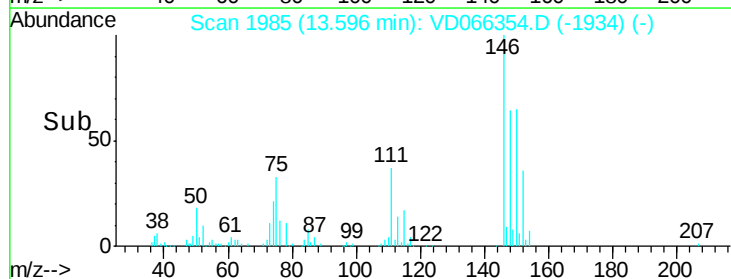
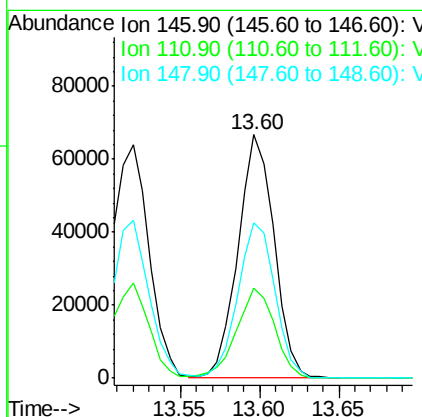
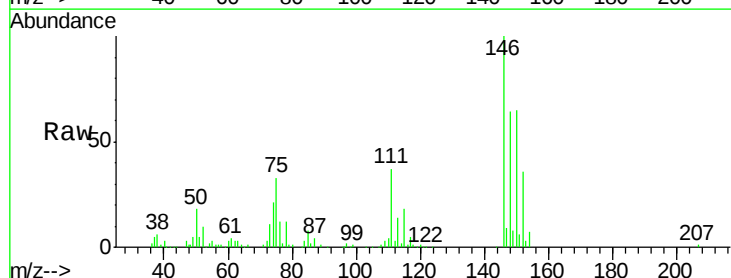
Manual Integrations
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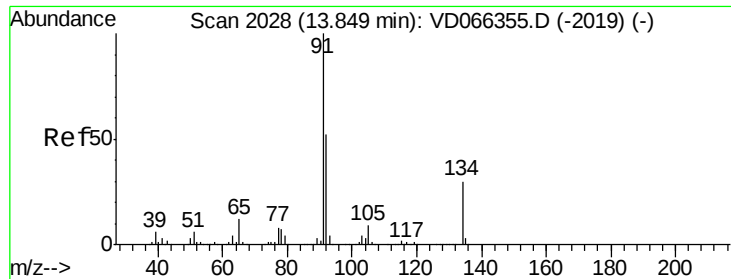
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#88
 1,4-Dichlorobenzene
 Concen: 19.882 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	65.7	32.1	96.3





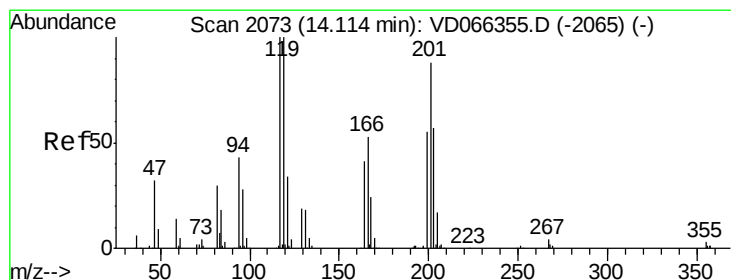
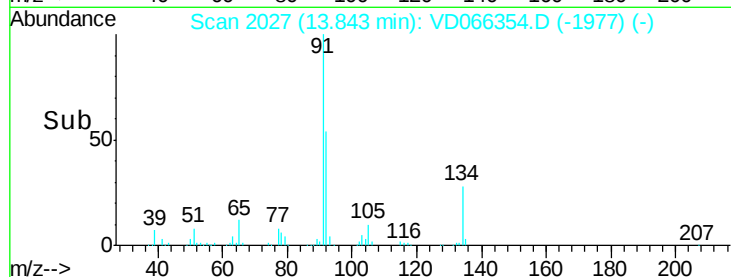
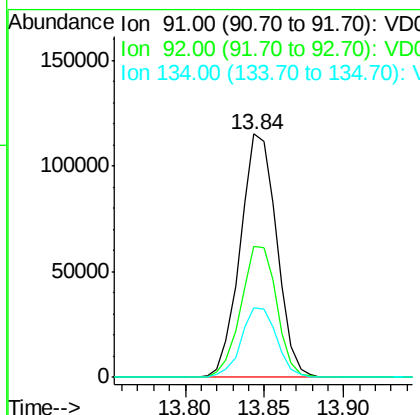
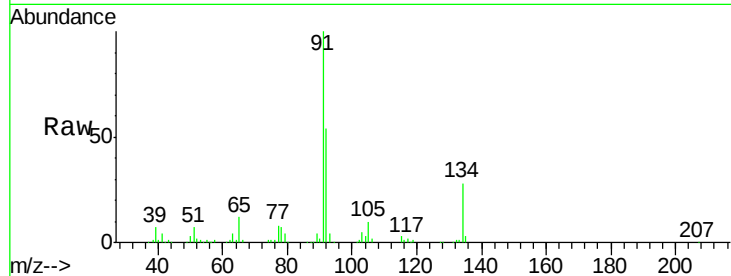
#89
n-Butylbenzene
Concen: 19.929 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	183761		
92	52.9	26.4	79.0	
134	28.0	14.4	43.4	

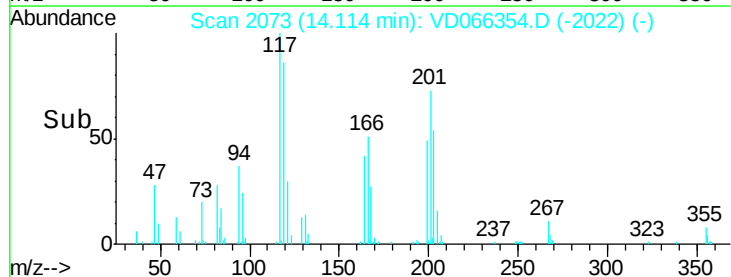
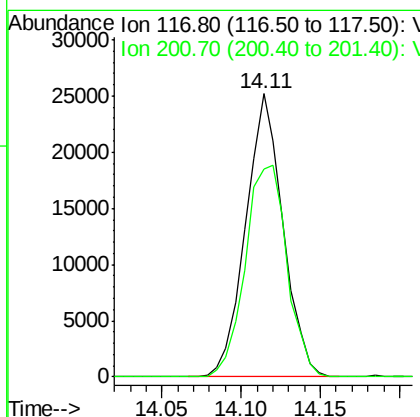
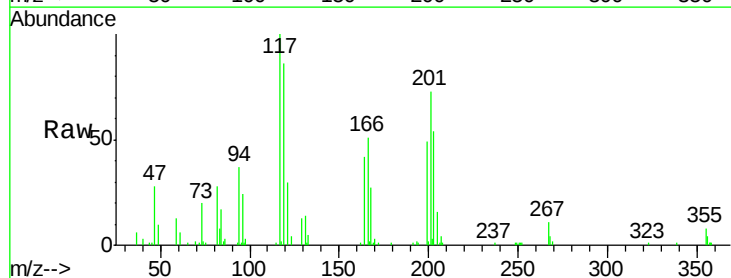
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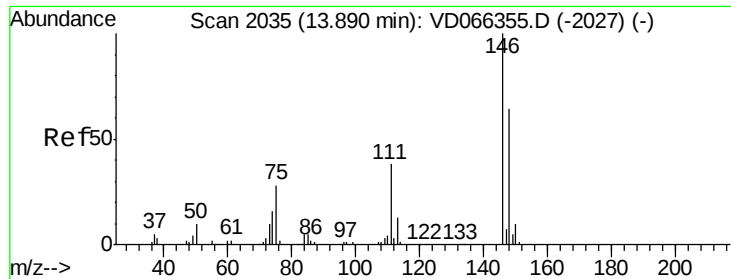
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#90
Hexachloroethane
Concen: 19.982 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41058		
201	83.8	45.4	136.2	





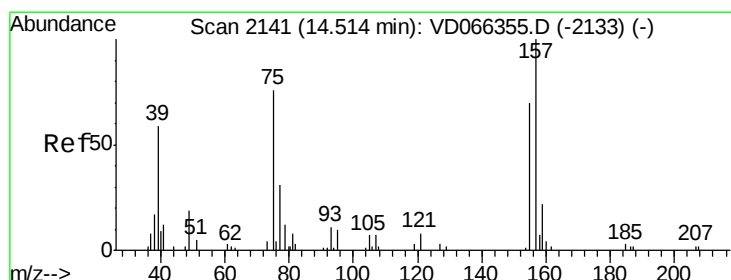
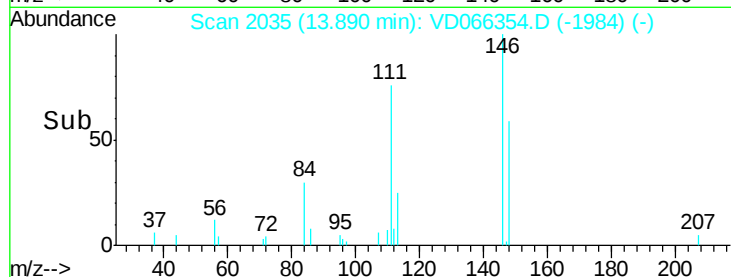
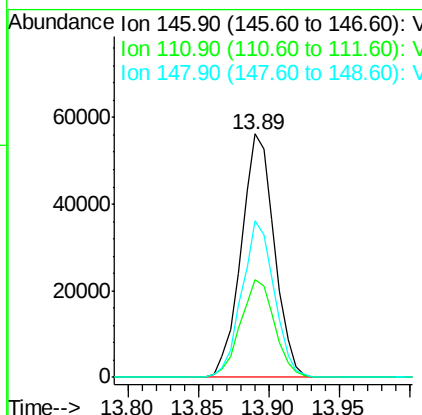
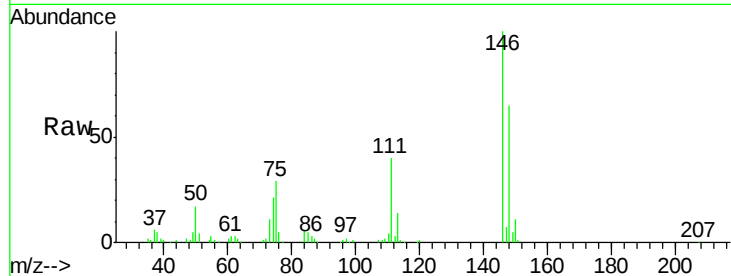
#91
 1,2-Dichlorobenzene
 Concen: 19.667 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.9	59.7
148	63.0	32.6	97.8

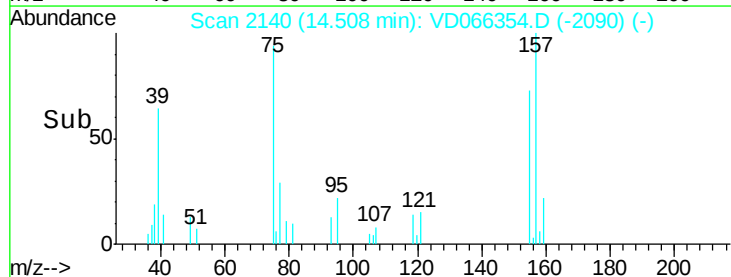
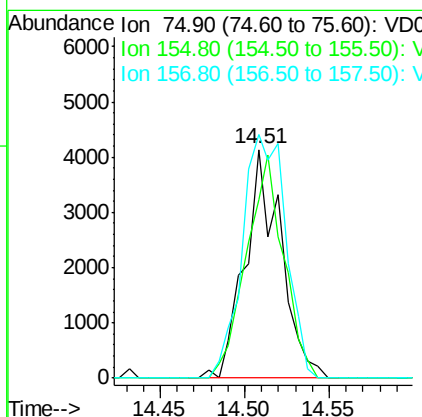
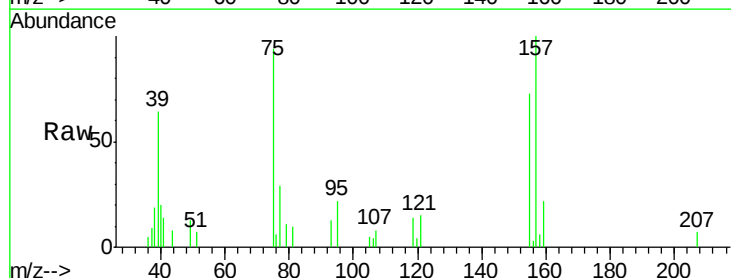
Manual Integrations
 APPROVED

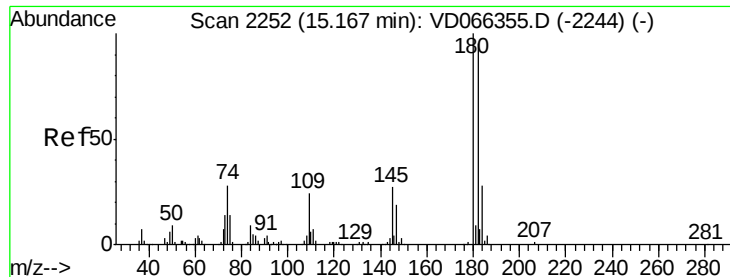
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.862 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.5	46.9	140.6
157	128.9	61.0	183.0





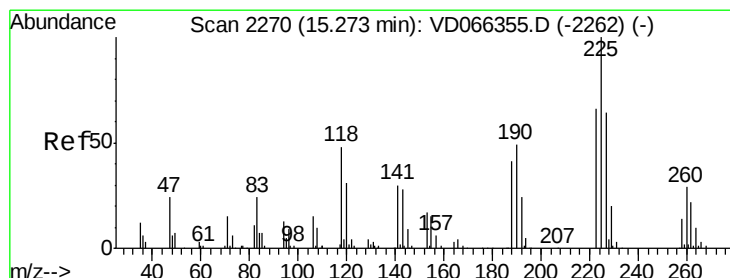
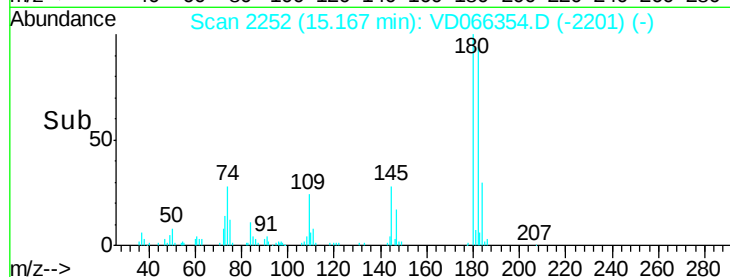
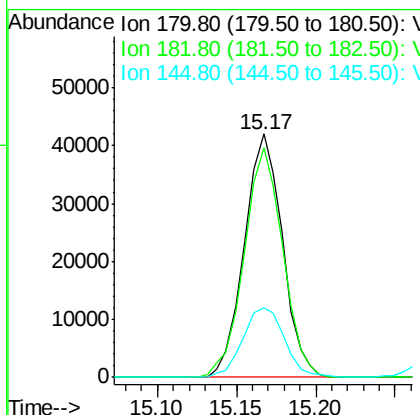
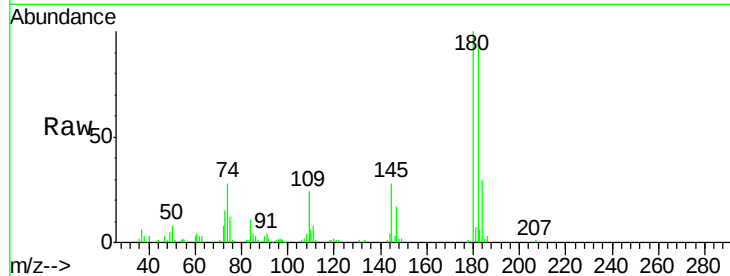
#93
 1,2,4-Trichlorobenzene
 Concen: 20.132 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.0
145	31.2	15.2	45.6

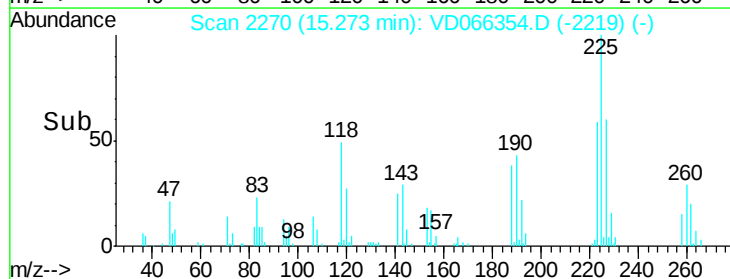
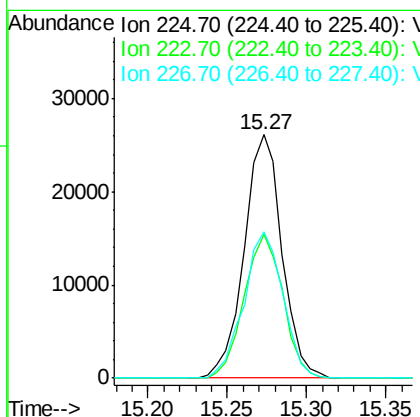
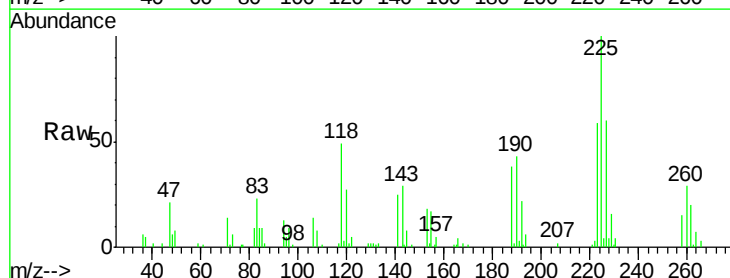
Manual Integrations
 APPROVED

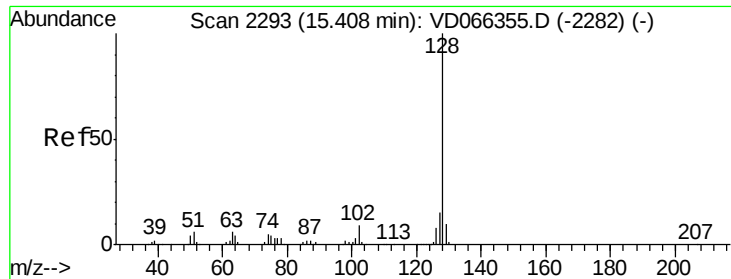
MMDadoda
 8/24/2020 4:36:34 PM



#94
 Hexachlorobutadiene
 Concen: 20.796 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066354.D
 Acq: 21 Aug 2020 11:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	32.5	97.4
227	62.1	33.0	98.9





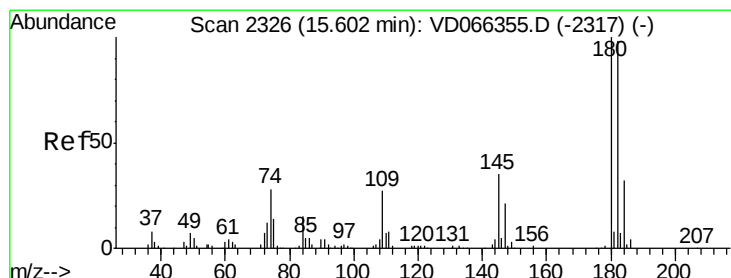
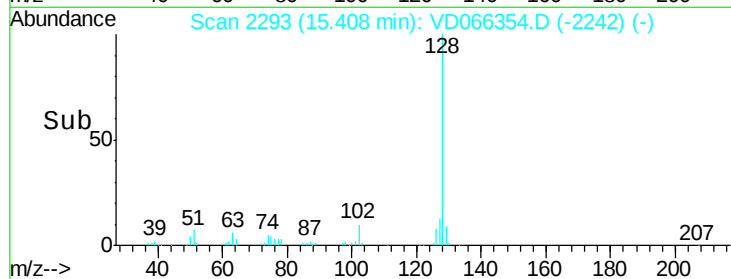
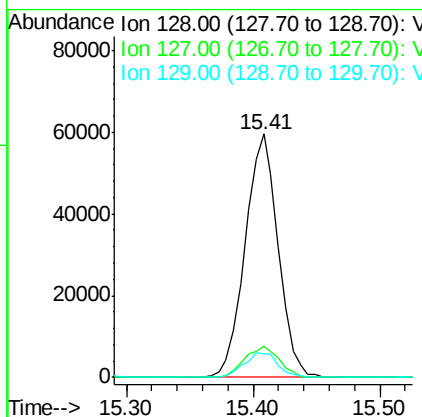
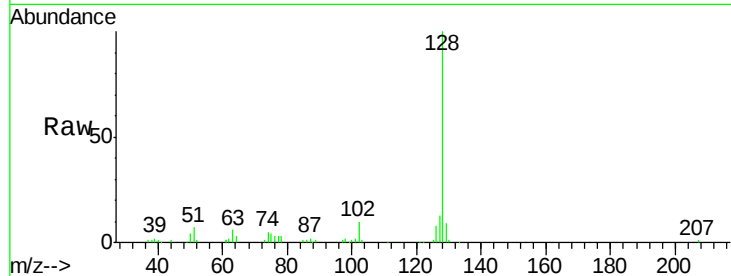
#95
Naphthalene
Concen: 19.048 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:	128	Resp:	107550
Ion Ratio		Lower	Upper
128	100		
127	13.5	10.7	16.1
129	10.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:36:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.502 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066354.D
Acq: 21 Aug 2020 11:52

Tgt Ion:	180	Resp:	59932
Ion Ratio		Lower	Upper
180	100		
182	97.3	46.7	140.0
145	31.6	16.0	48.0

