

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066292.D
 Acq On : 18 Aug 2020 21:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:30 PM

Quant Time: Aug 19 08:11:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	215721	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	323641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	310704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	161657	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	115726	60.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.26%	
35) Dibromofluoromethane	7.91	113	109857	53.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.16%	
50) Toluene-d8	10.33	98	389474	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.63	95	142145	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	72595	38.196	ug/l	96
3) Chloromethane	2.20	50	60920	41.206	ug/l	97
4) Vinyl Chloride	2.34	62	57822	44.176	ug/l	96
5) Bromomethane	2.76	94	44435	51.169	ug/l	89
6) Chloroethane	2.92	64	39703	49.415	ug/l	98
7) Trichlorofluoromethane	3.27	101	162993	47.765	ug/l	95
8) Diethyl Ether	3.71	74	50257	52.196	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94323	46.575	ug/l	100
10) Methyl Iodide	4.30	142	97787	52.630	ug/l	97
11) Tert butyl alcohol	5.23	59	39423	278.682	ug/l	98
12) 1,1-Dichloroethene	4.06	96	87454	45.777	ug/l	97
13) Acrolein	3.92	56	37587	245.361	ug/l	96
14) Allyl chloride	4.71	41	138427	47.828	ug/l	94
15) Acrylonitrile	5.41	53	120305	296.506	ug/l	98
16) Acetone	4.15	43	91412	250.327	ug/l	98
17) Carbon Disulfide	4.40	76	248648	40.934	ug/l	100
18) Methyl Acetate	4.72	43	54741	59.017	ug/l #	73
19) Methyl tert-butyl Ether	5.47	73	258306	58.989	ug/l	94
20) Methylene Chloride	4.96	84	118429	57.137	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	107993	49.207	ug/l	98
22) Diisopropyl ether	6.36	45	299563	52.339	ug/l	94
23) Vinyl Acetate	6.30	43	921051	274.691	ug/l	98
24) 1,1-Dichloroethane	6.26	63	185705	52.429	ug/l	99
25) 2-Butanone	7.20	43	140319	261.254	ug/l	98
26) 2,2-Dichloropropane	7.20	77	146458	46.134	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	123971	53.855	ug/l	98
28) Bromochloromethane	7.54	49	69739	56.058	ug/l	95
29) Tetrahydrofuran	7.55	42	93251	280.229	ug/l	94
30) Chloroform	7.70	83	211377	56.833	ug/l	96
31) Cyclohexane	7.98	56	132474	39.290	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	186468	53.472	ug/l	99
36) 1,1-Dichloropropene	8.11	75	141589	46.556	ug/l	99
37) Ethyl Acetate	7.29	43	65466	54.330	ug/l	98
38) Carbon Tetrachloride	8.09	117	170289	50.211	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	155927	42.413	ug/l	98
40) Benzene	8.34	78	424237	50.285	ug/l	97
41) Methacrylonitrile	7.53	41	38332m	54.104	ug/l	
42) 1,2-Dichloroethane	8.41	62	145353	58.647	ug/l	98
43) Isopropyl Acetate	8.44	43	131889	55.552	ug/l	97
44) Trichloroethene	9.11	130	127634	50.205	ug/l	96
45) 1,2-Dichloropropane	9.38	63	105673	51.214	ug/l	97
46) Dibromomethane	9.47	93	65604	57.721	ug/l	99
47) Bromodichloromethane	9.66	83	169954	56.577	ug/l	97
48) Methyl methacrylate	9.45	41	63678	52.527	ug/l #	85
49) 1,4-Dioxane	9.45	88	16942	1160.253	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	347158	284.669	ug/l	99
52) Toluene	10.40	92	289347	52.121	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	156447	54.879	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	178789	53.529	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	90756	55.454	ug/l	96
56) Ethyl methacrylate	10.66	69	115743	58.871	ug/l	97
57) 1,3-Dichloropropane	10.94	76	150580	55.422	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	259217	293.117	ug/l	99
59) 2-Hexanone	10.98	43	240590	281.104	ug/l	99
60) Dibromochloromethane	11.14	129	130290	57.664	ug/l	98
61) 1,2-Dibromoethane	11.24	107	88533	56.250	ug/l	99
64) Tetrachloroethene	10.87	164	118882	49.828	ug/l	97
65) Chlorobenzene	11.67	112	325976	51.682	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	132810	53.815	ug/l	99
67) Ethyl Benzene	11.74	91	558935	51.137	ug/l	96
68) m/p-Xylenes	11.85	106	423309	99.960	ug/l	95
69) o-Xylene	12.18	106	198548	51.541	ug/l	98
70) Styrene	12.19	104	356917	52.867	ug/l	98
71) Bromoform	12.36	173	83568	57.153	ug/l #	99
73) Isopropylbenzene	12.48	105	554097	51.348	ug/l	99
74) N-amyl acetate	12.29	43	124573	52.424	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	100582	54.663	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	63135m	46.832	ug/l	
77) Bromobenzene	12.76	156	147611	53.139	ug/l	99
78) n-propylbenzene	12.82	91	627367	50.014	ug/l	100
79) 2-Chlorotoluene	12.91	91	368885	51.418	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	473371	52.453	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	30815	50.529	ug/l	95
82) 4-Chlorotoluene	13.01	91	395430	52.213	ug/l	98
83) tert-Butylbenzene	13.23	119	405002	51.030	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	472805	52.351	ug/l	99
85) sec-Butylbenzene	13.40	105	532306	49.677	ug/l	100
86) p-Isopropyltoluene	13.52	119	511636	50.909	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	268383	51.407	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	271386	52.123	ug/l	99
89) n-Butylbenzene	13.84	91	441138	48.991	ug/l	100
90) Hexachloroethane	14.11	117	102862	51.318	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	243867	52.818	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17568	55.552	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	178358	52.419	ug/l	99
94) Hexachlorobutadiene	15.27	225	101452	50.634	ug/l	98
95) Naphthalene	15.41	128	327086	58.997	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	163601	54.467	ug/l	99

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

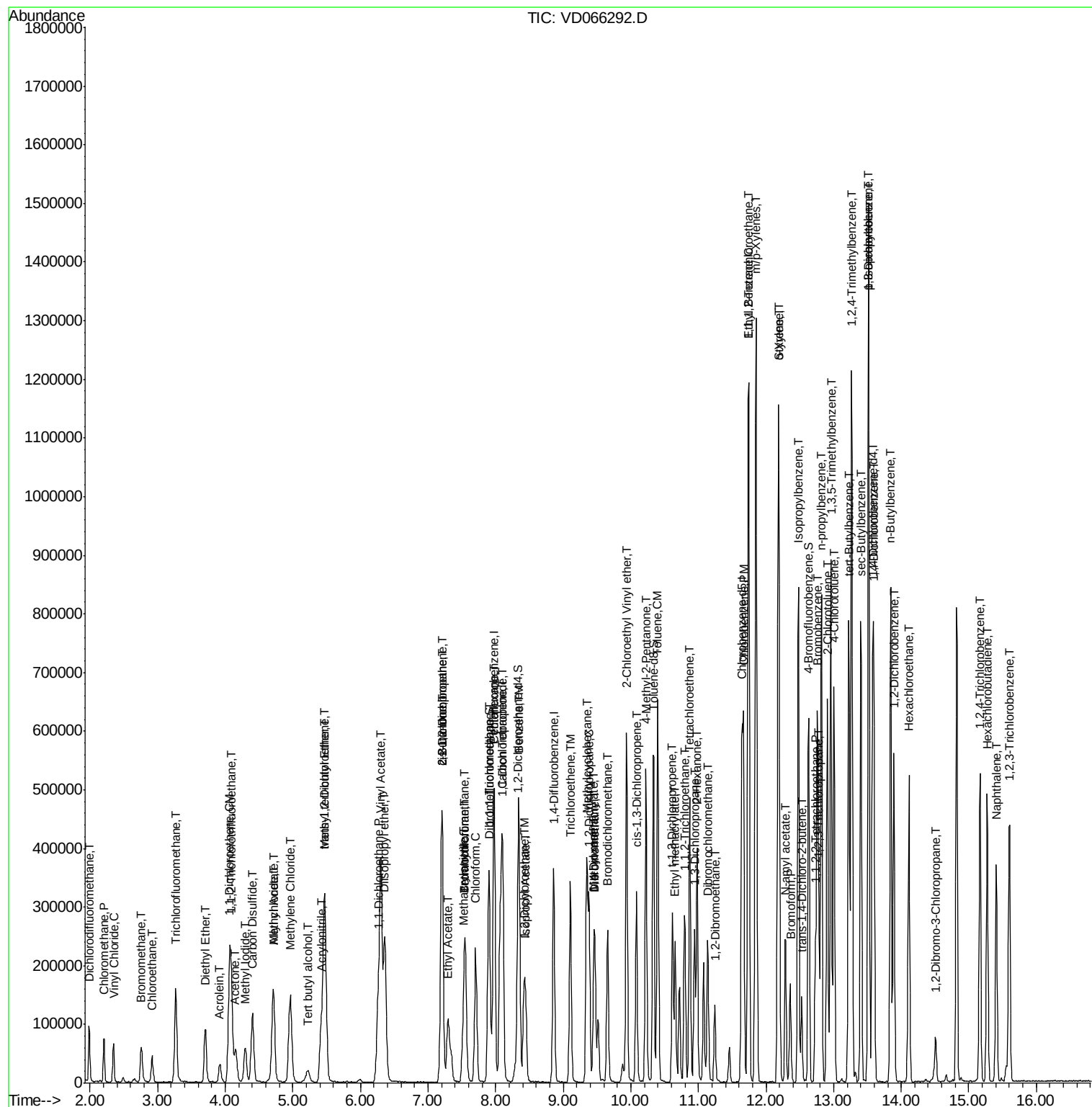
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081820\
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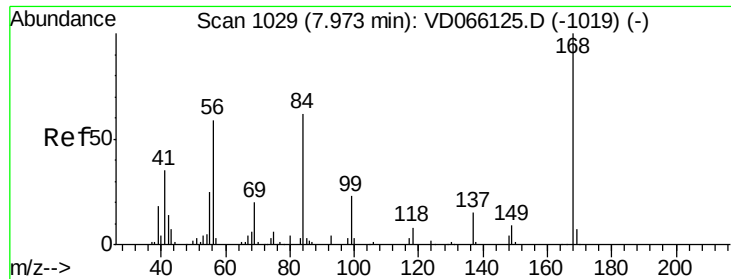
Instrument :
MSVOA_D
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 215721

Ion Ratio Lower Upper

168 100

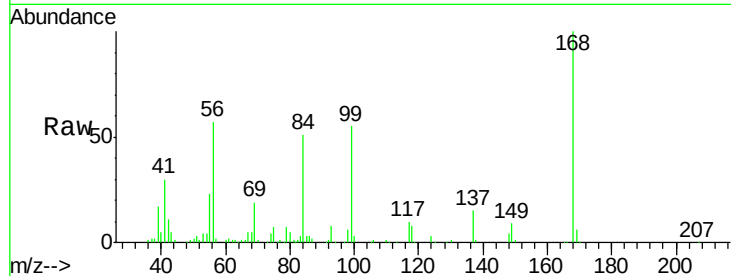
99 55.0 42.2 63.4

Manual Integrations

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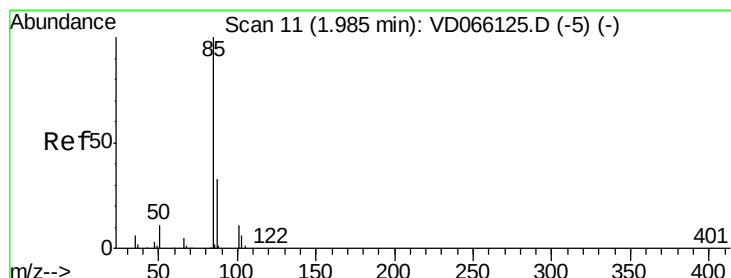
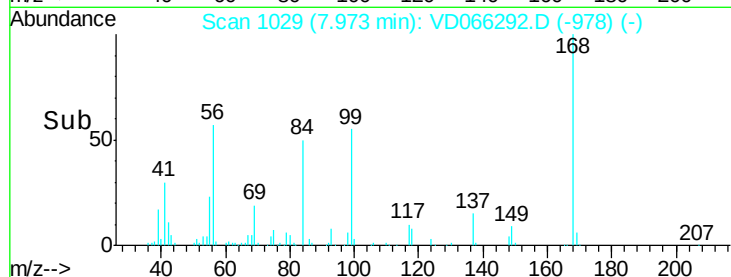
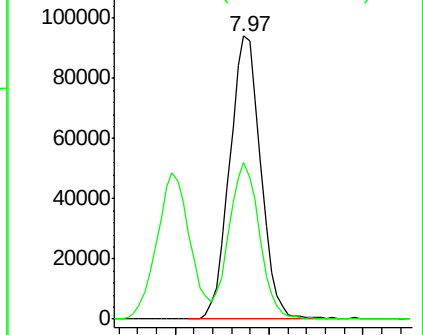
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 38.196 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066292.D

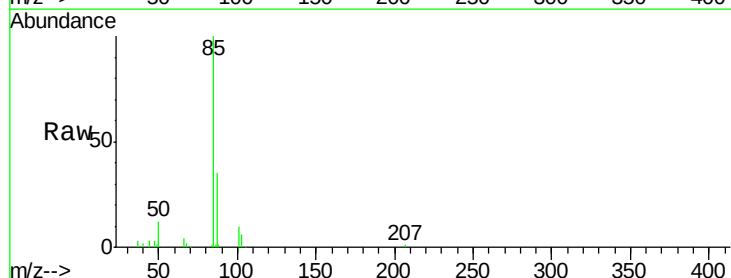
Acq: 18 Aug 2020 21:42

Tgt Ion: 85 Resp: 72595

Ion Ratio Lower Upper

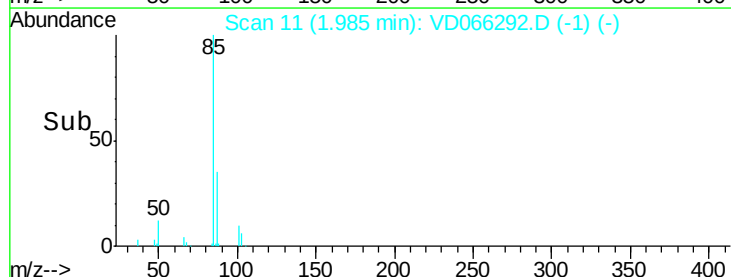
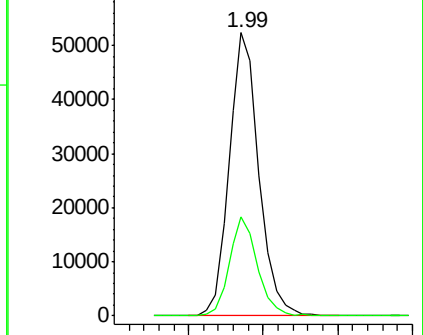
85 100

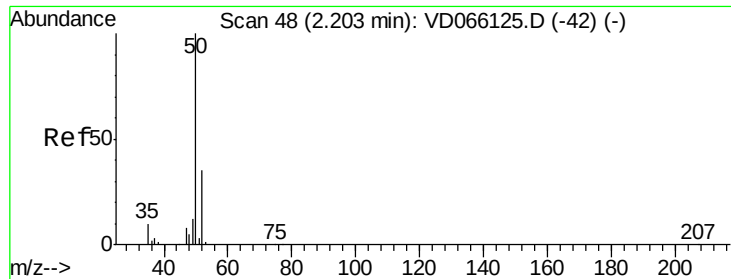
87 34.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.206 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 60920

Ion Ratio Lower Upper

50 100

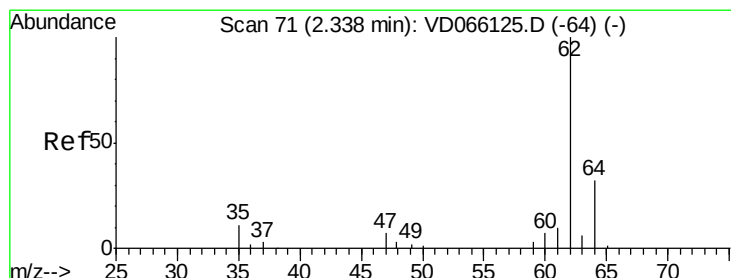
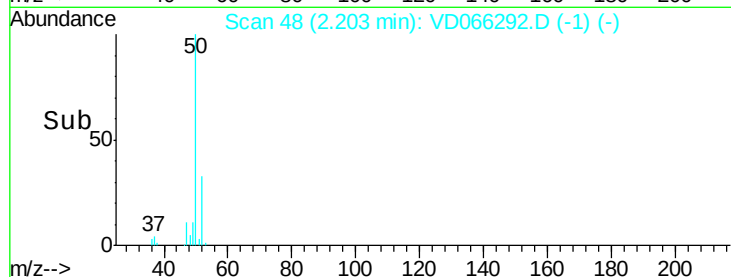
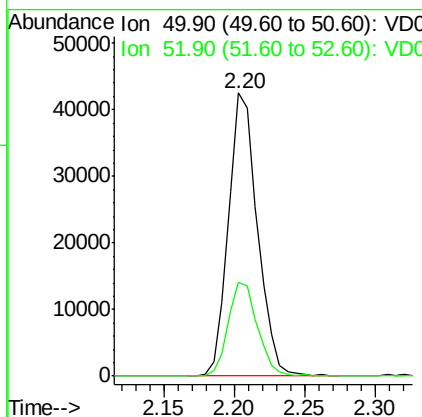
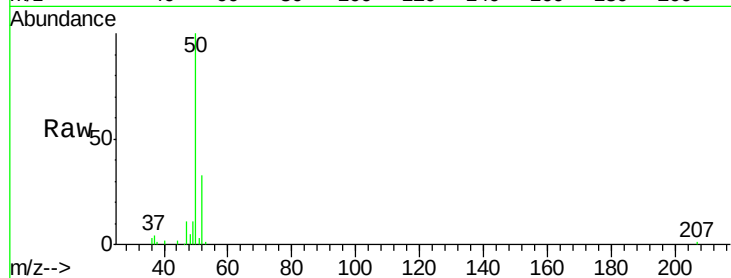
52 33.2 27.9 41.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.176 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066292.D

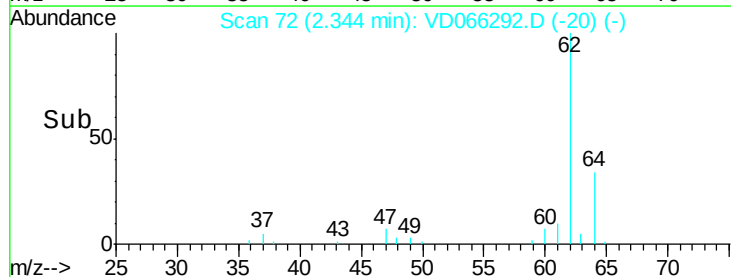
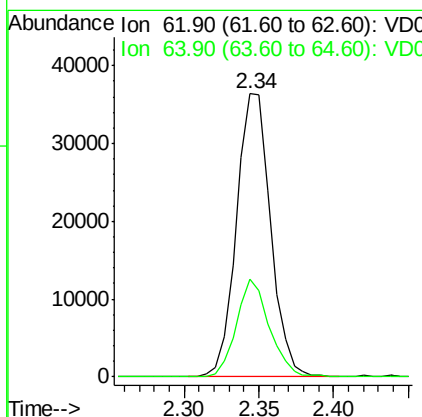
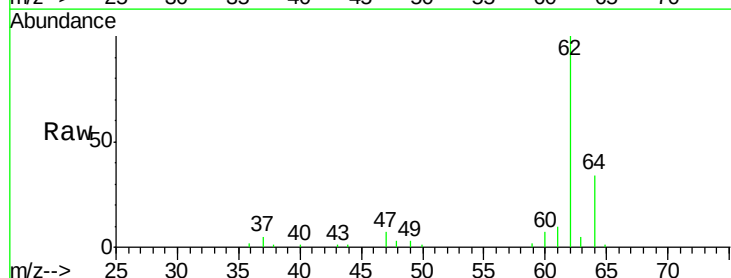
Acq: 18 Aug 2020 21:42

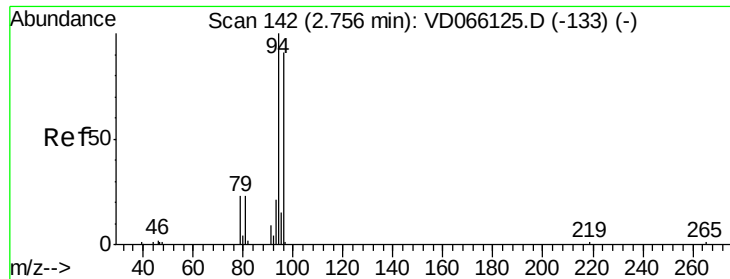
Tgt Ion: 62 Resp: 57822

Ion Ratio Lower Upper

62 100

64 34.3 25.8 38.8





#5

Bromomethane

Concen: 51.169 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 44435

Ion Ratio Lower Upper

94 100

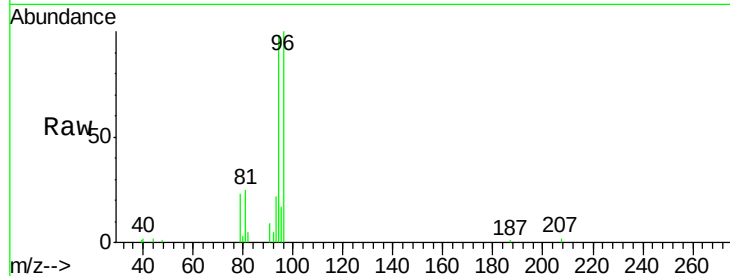
96 101.7 72.6 109.0

Manual Integrations

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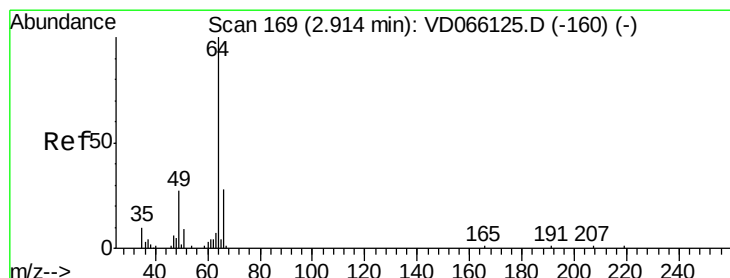
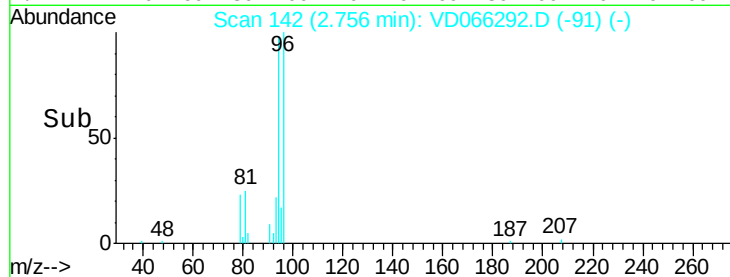
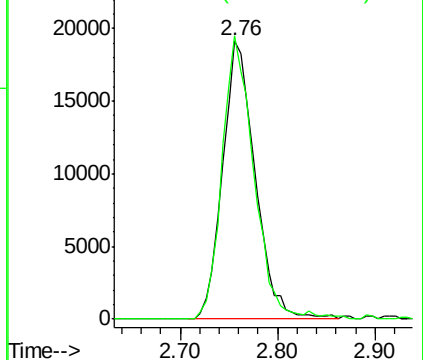
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.415 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.01 min

Lab File: VD066292.D

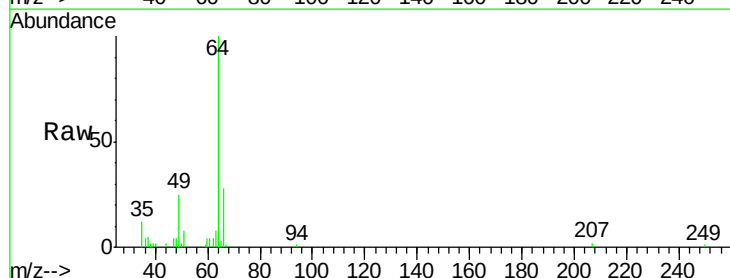
Acq: 18 Aug 2020 21:42

Tgt Ion: 64 Resp: 39703

Ion Ratio Lower Upper

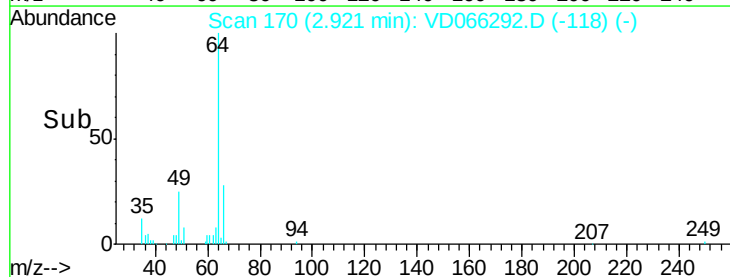
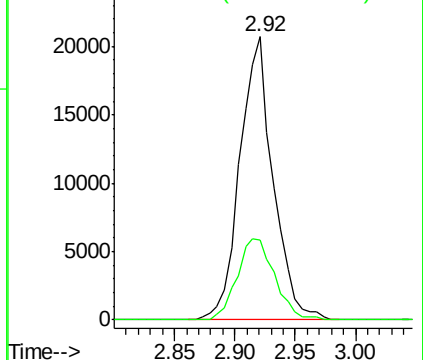
64 100

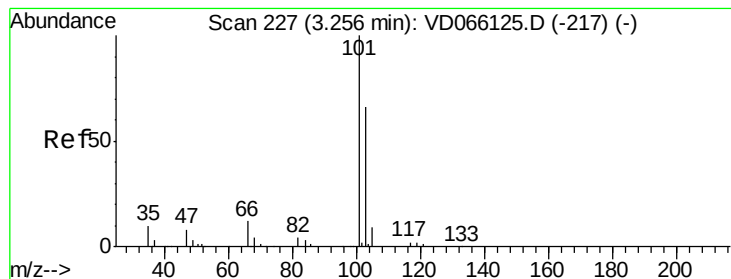
66 28.4 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

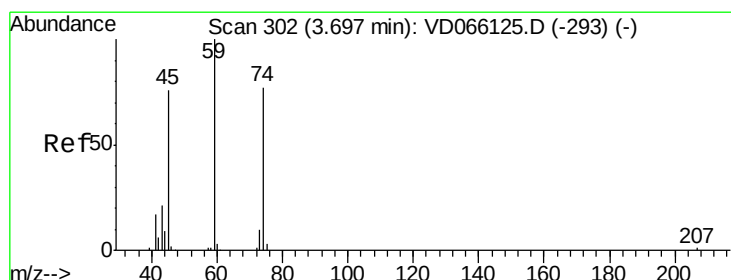
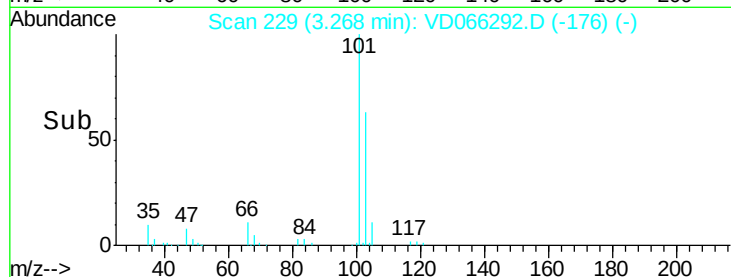
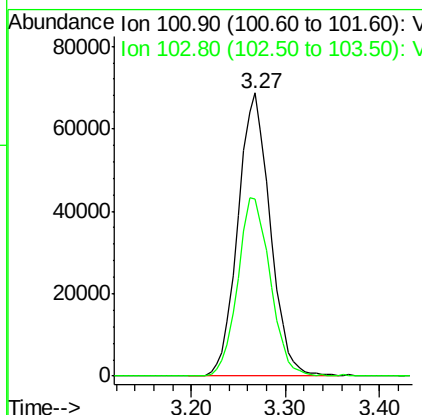
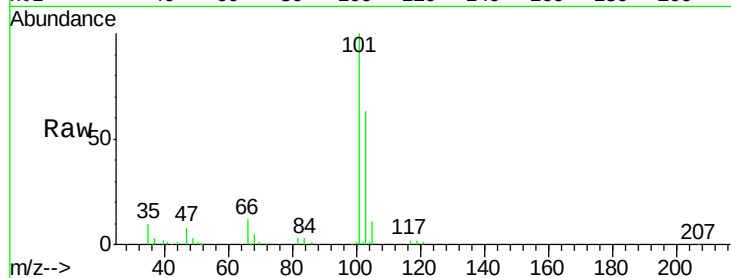
Trichlorofluoromethane
Concen: 47.765 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	162993		
103	62.5	53.0	79.6	

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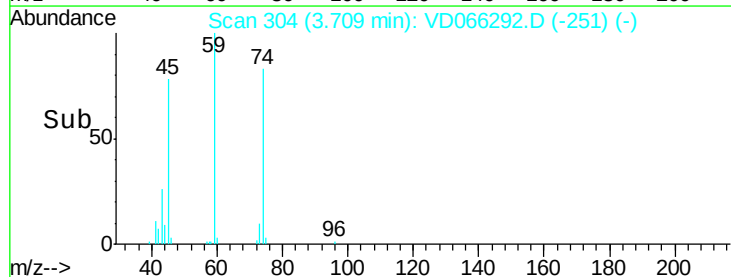
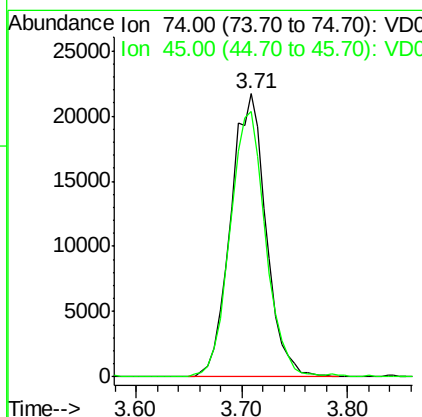
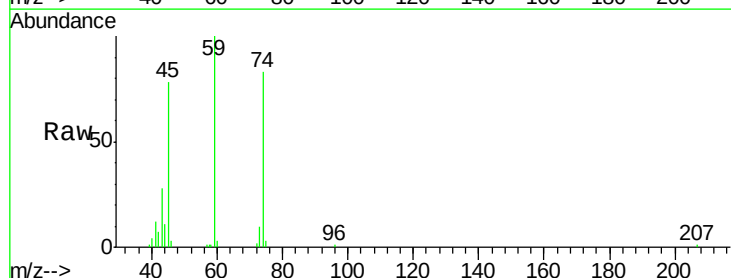
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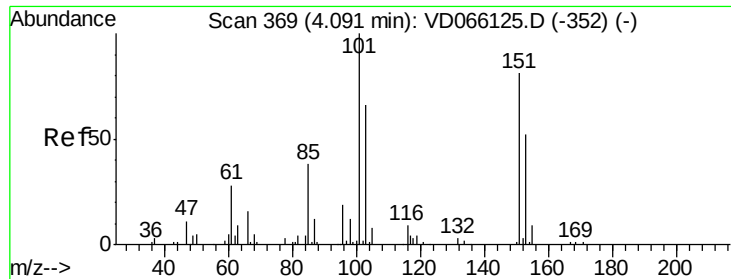


#8

Diethyl Ether
Concen: 52.196 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	50257		
45	94.4	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.575 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

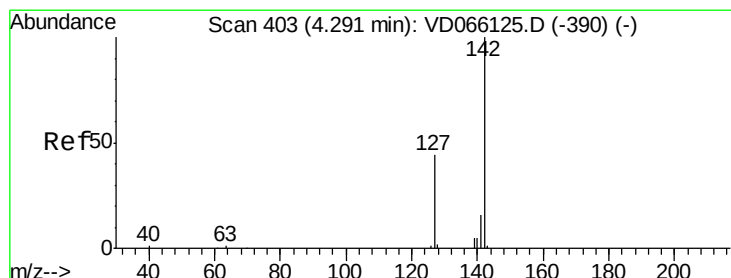
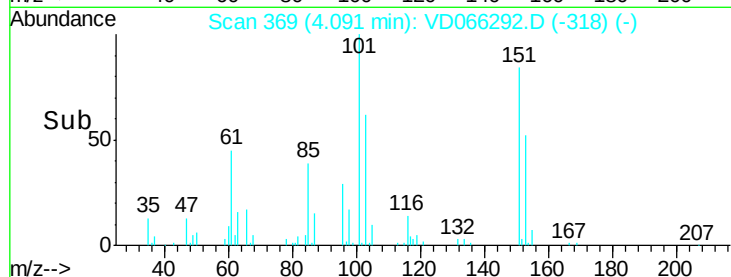
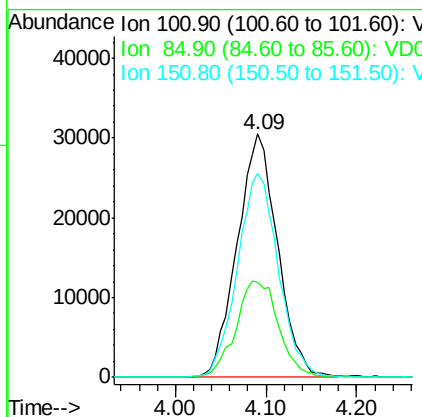
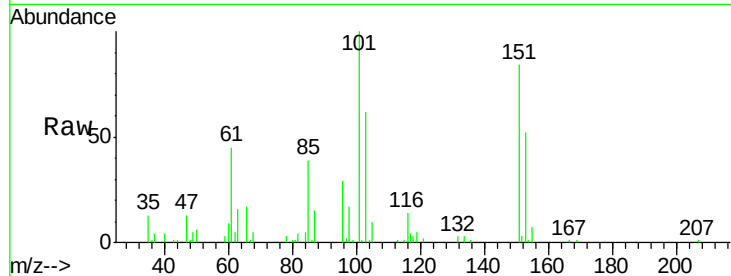
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	94323
Ion Ratio	Lower	Upper	
101	100		
85	41.8	33.5	50.3
151	85.2	67.8	101.8

Manual Integrations
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#10

Methyl Iodide

Concen: 52.630 ug/l

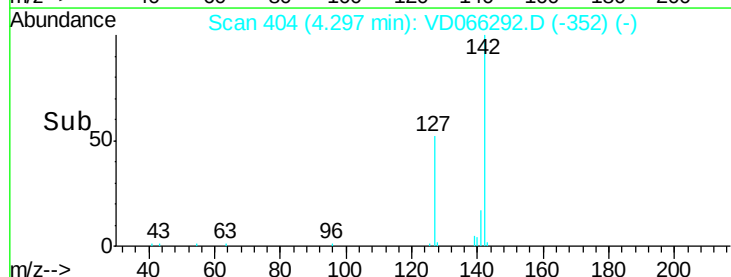
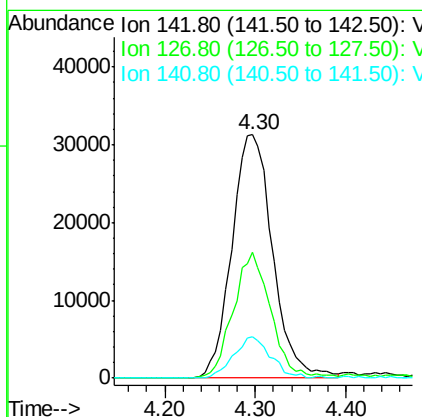
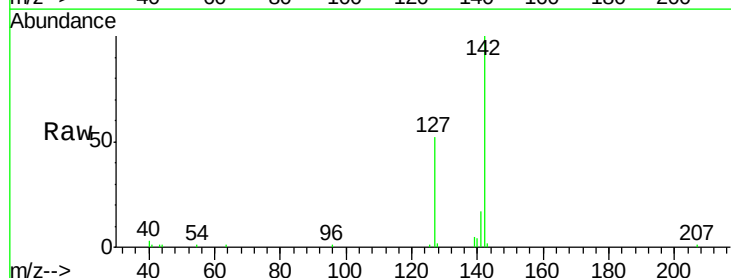
RT: 4.30 min Scan# 404

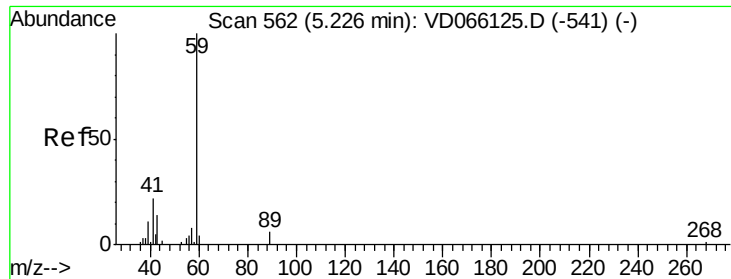
Delta R.T. 0.01 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Tgt Ion:	142	Resp:	97787
Ion Ratio	Lower	Upper	
142	100		
127	47.6	36.2	54.4
141	15.3	12.6	18.8





#11

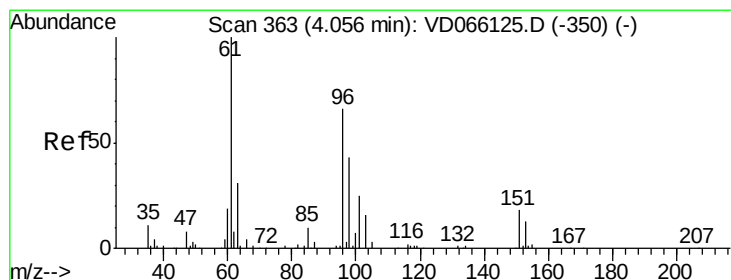
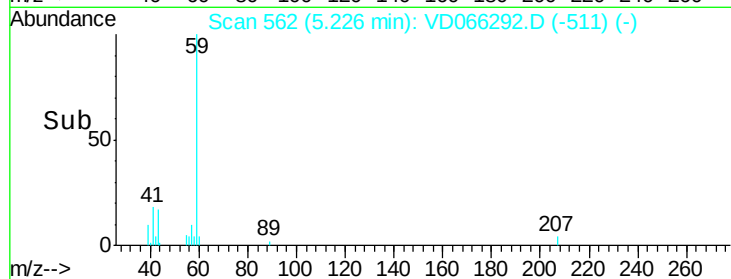
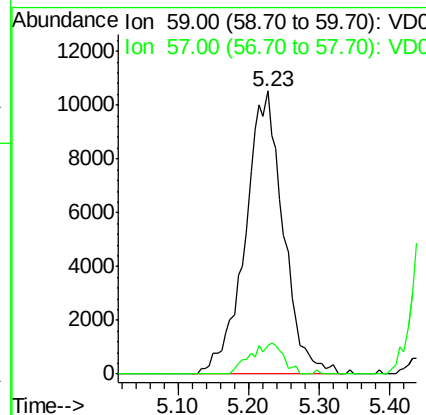
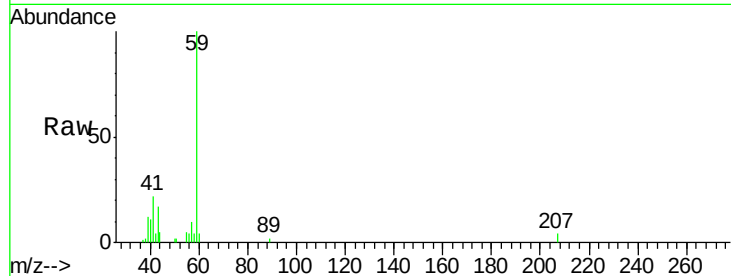
Tert butyl alcohol
 Concen: 278.682 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	39423		
57	9.5	7.0	10.4	

Manual Integrations
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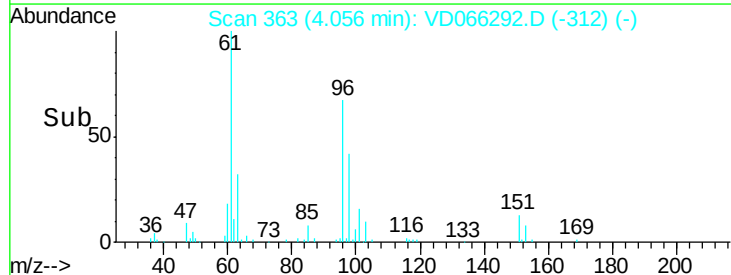
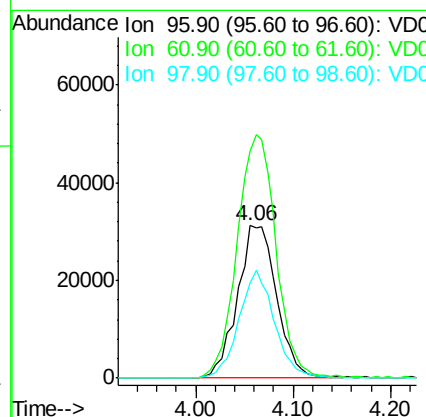
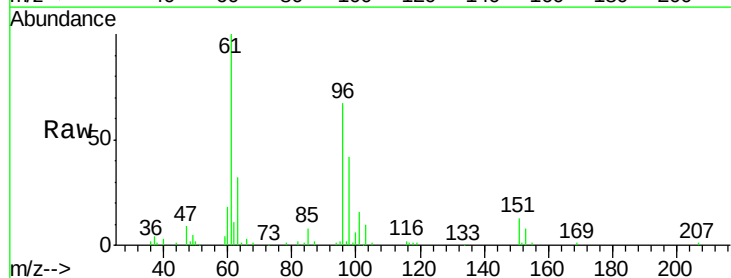
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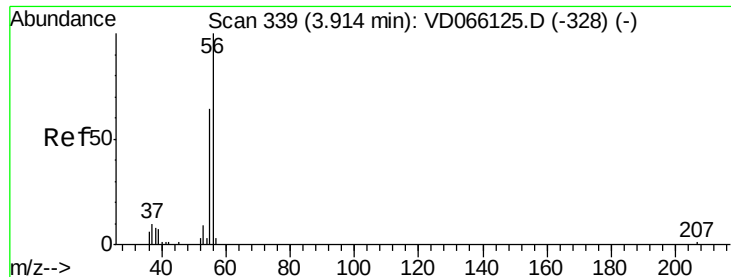


#12

1,1-Dichloroethene
 Concen: 45.777 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	87454		
61	148.9	121.6	182.4	
98	62.7	52.0	78.0	





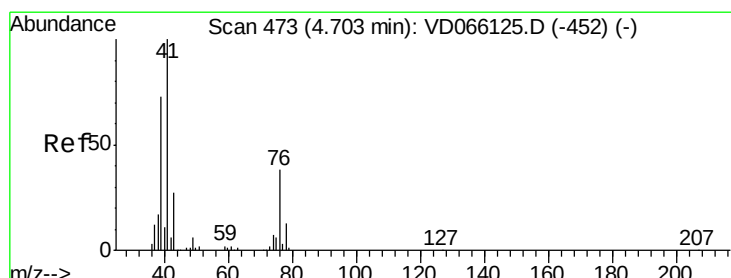
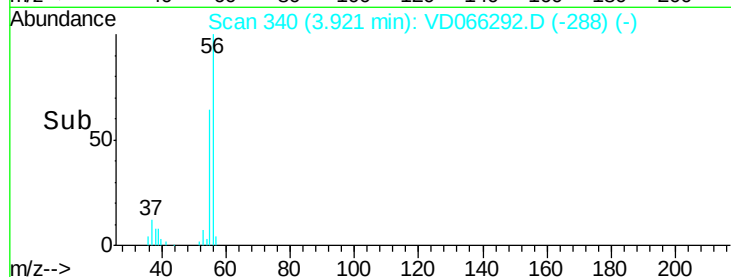
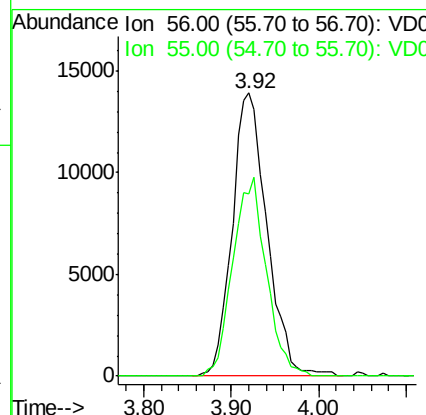
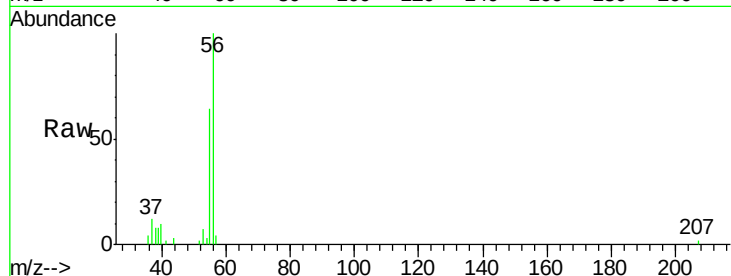
#13
Acrolein
Concen: 245.361 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	37587
Ion Ratio	Lower	Upper	
56	100		
55	67.6	56.7	85.1

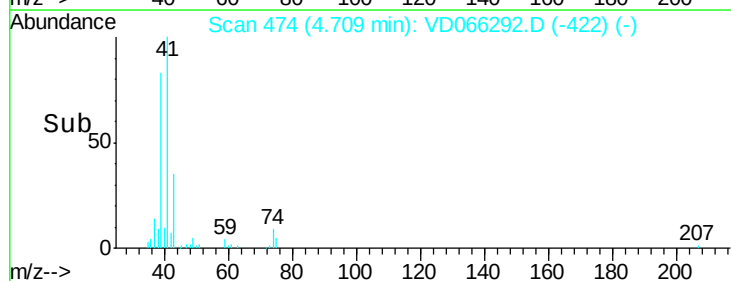
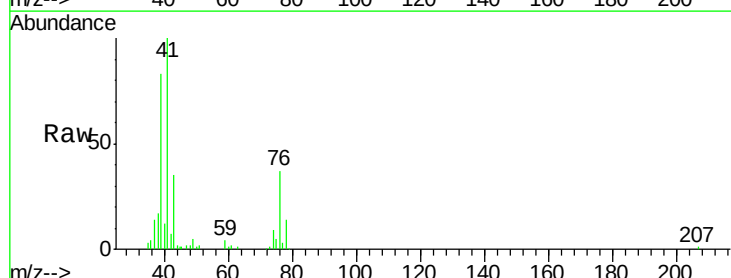
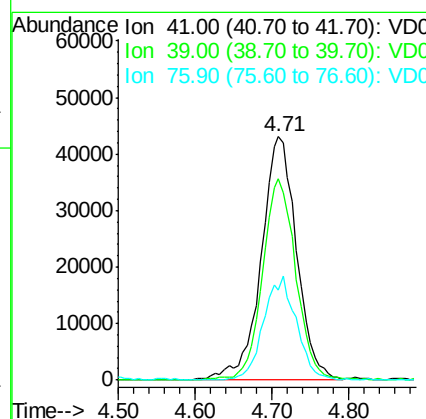
Manual Integrations
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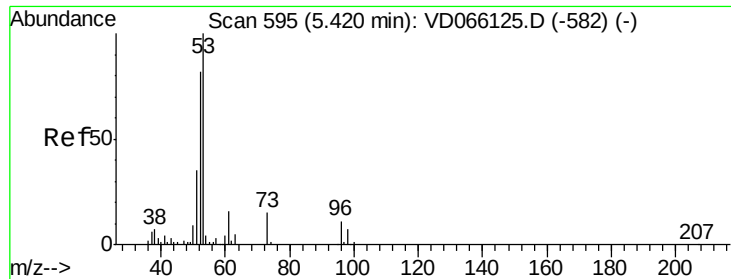
MMDadoda
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#14
Allyl chloride
Concen: 47.828 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	41	Resp	138427
Ion Ratio	Lower	Upper	
41	100		
39	77.6	57.4	86.0
76	39.4	30.1	45.1





#15

Acrylonitrile

Concen: 296.506 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

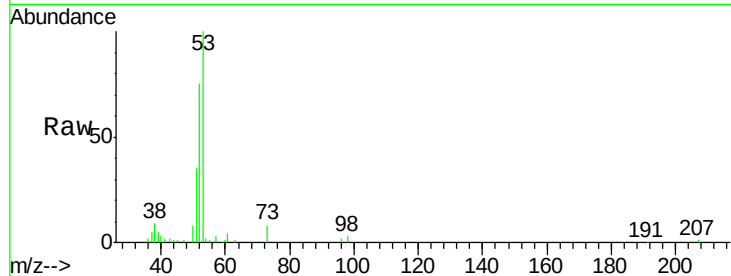
ClientSampleId :

VSTDCCC050EC

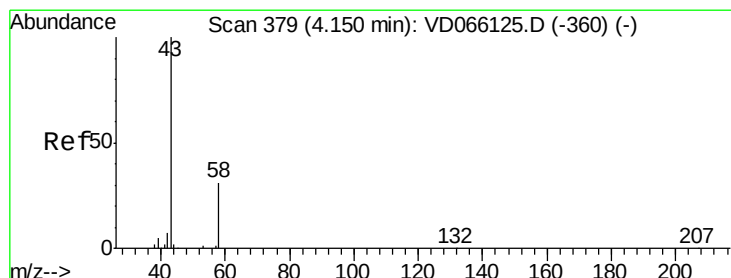
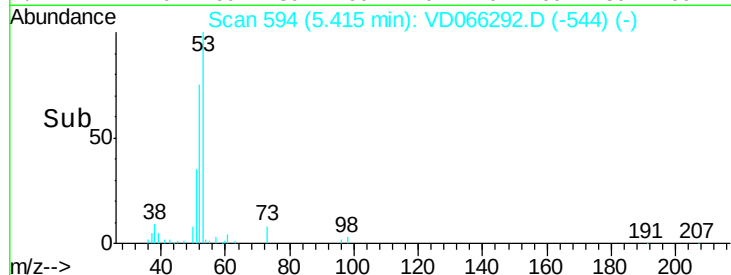
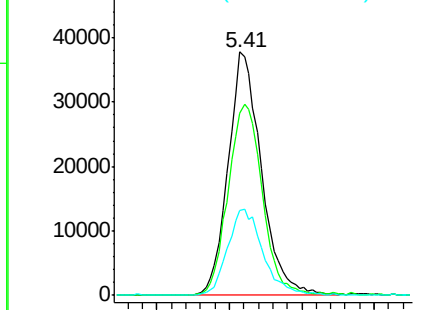
Tot Ion:	53	Resp:	120305
Ion Ratio	Lower	Upper	
53	100		
52	81.0	66.1	99.1
51	37.5	30.8	46.2

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 250.327 ug/l

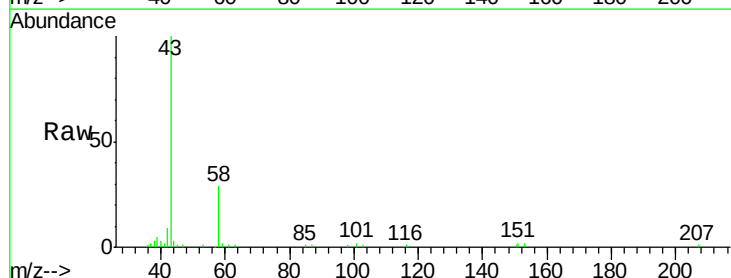
RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

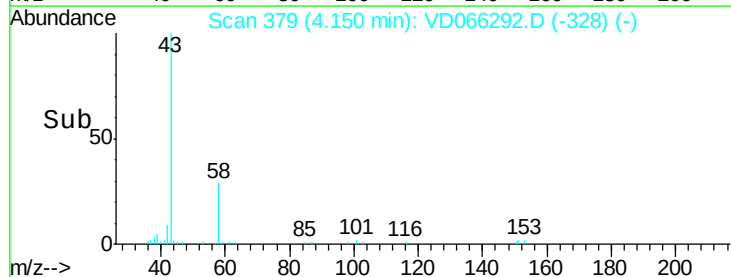
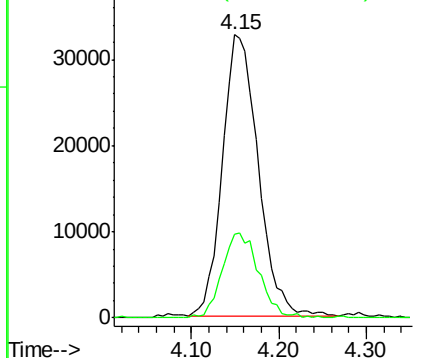
Lab File: VD066292.D

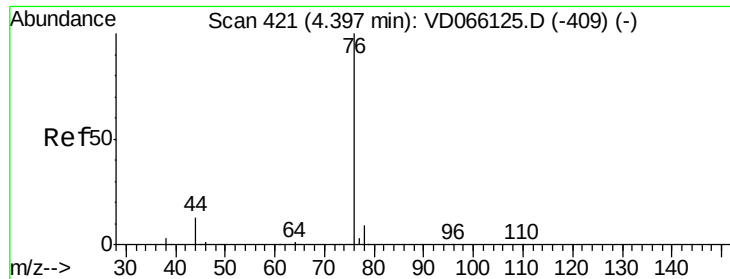
Acq: 18 Aug 2020 21:42

Tgt Ion:	43	Resp:	91412
Ion Ratio	Lower	Upper	
43	100		
58	29.5	24.7	37.1



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





#17

Carbon Disulfide

Concen: 40.934 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 248648

Ion Ratio Lower Upper

76 100

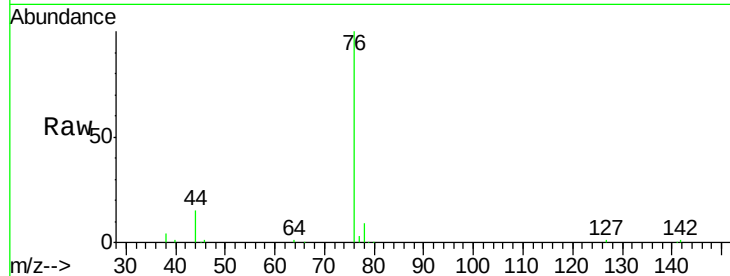
78 9.3 7.5 11.3

Manual Integrations

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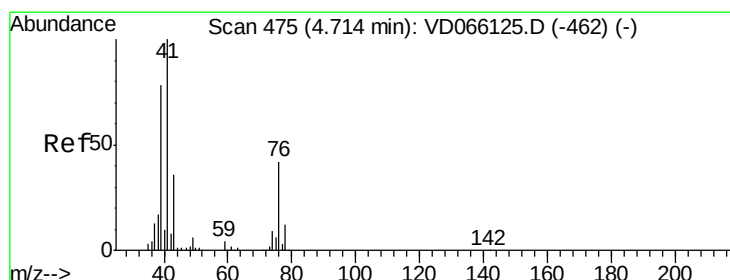
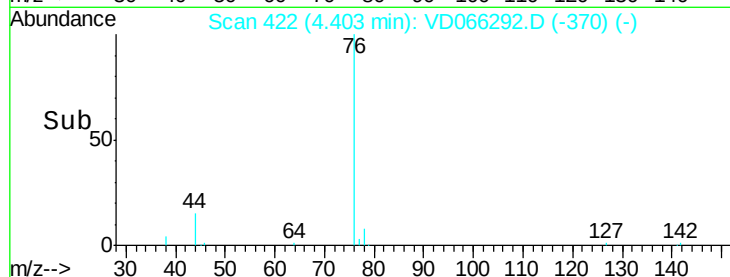
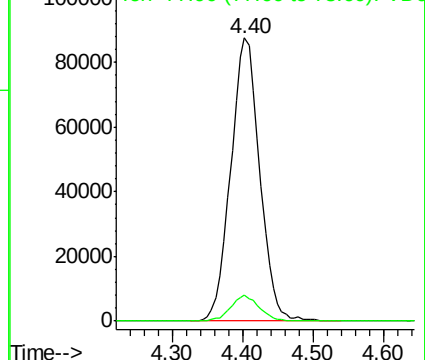
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 59.017 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066292.D

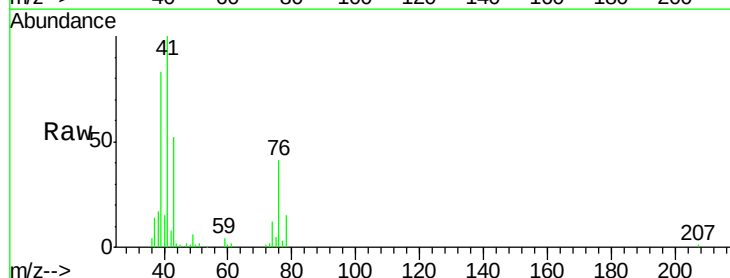
Acq: 18 Aug 2020 21:42

Tgt Ion: 43 Resp: 54741

Ion Ratio Lower Upper

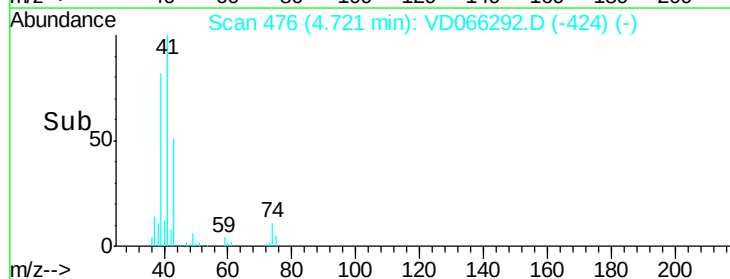
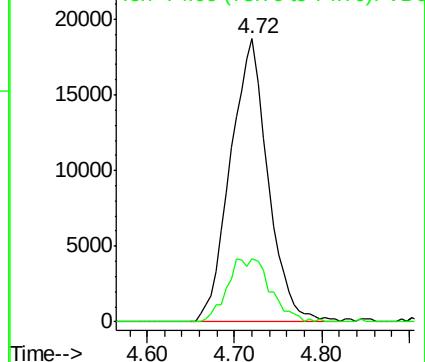
43 100

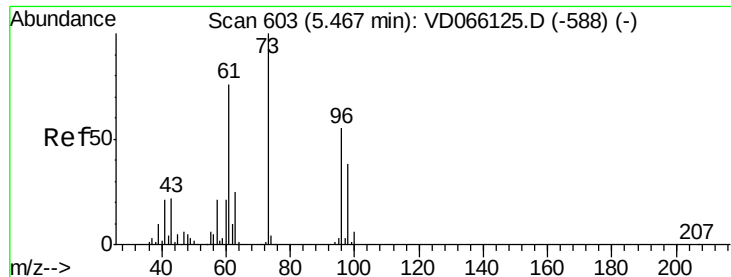
74 12.9 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





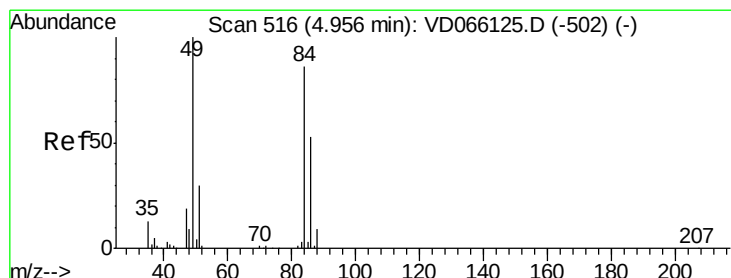
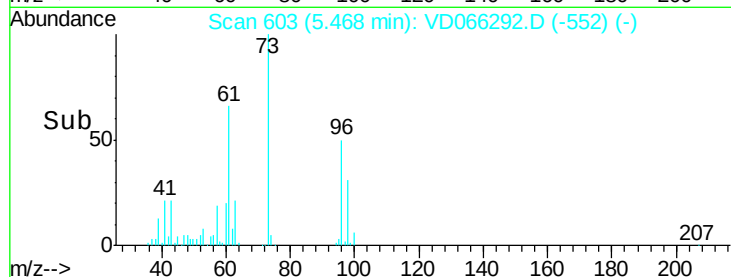
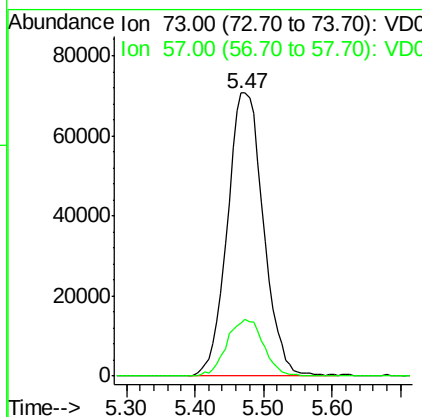
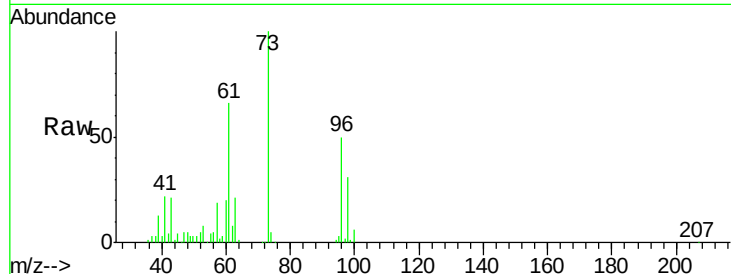
#19
Methyl tert-butyl Ether
Concen: 58.989 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 258306
Ion Ratio Lower Upper
73 100
57 18.8 17.1 25.7

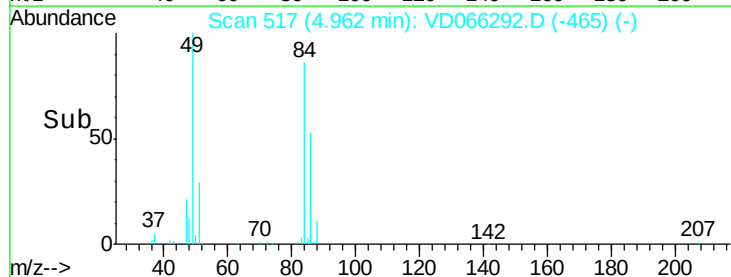
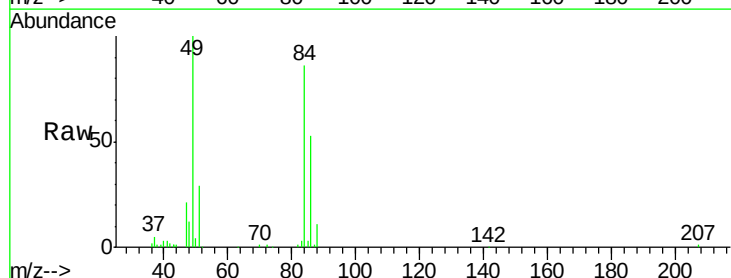
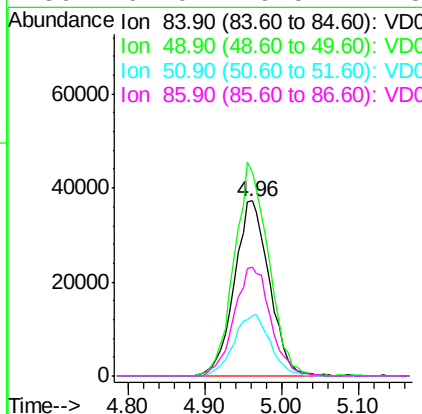
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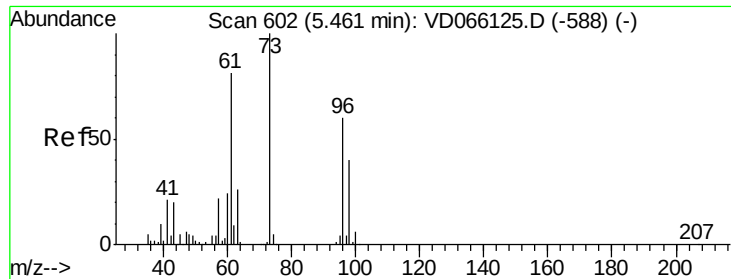
MMDadoda
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#20
Methylene Chloride
Concen: 57.137 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion: 84 Resp: 118429
Ion Ratio Lower Upper
84 100
49 116.1 93.5 140.3
51 34.2 28.2 42.4
86 62.0 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 49.207 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

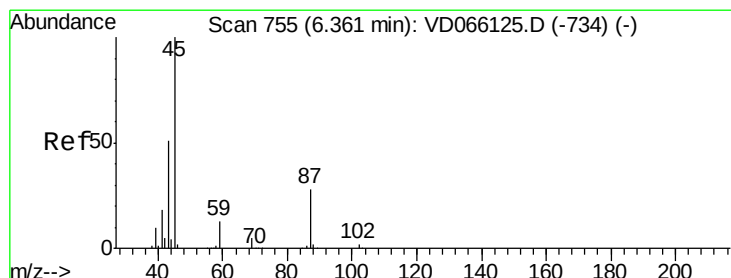
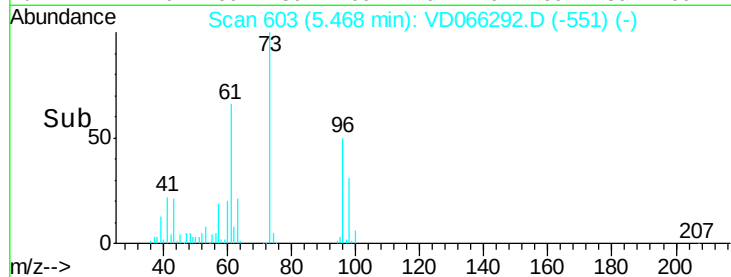
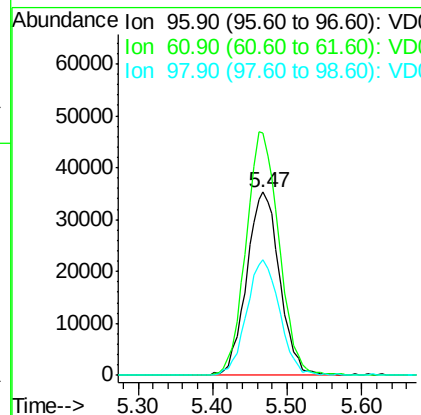
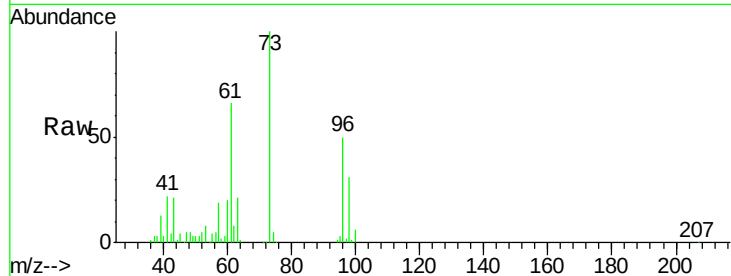
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	107993
Ion	Ratio	Lower	Upper
96	100		
61	132.6	106.9	160.3
98	63.0	53.4	80.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.339 ug/l

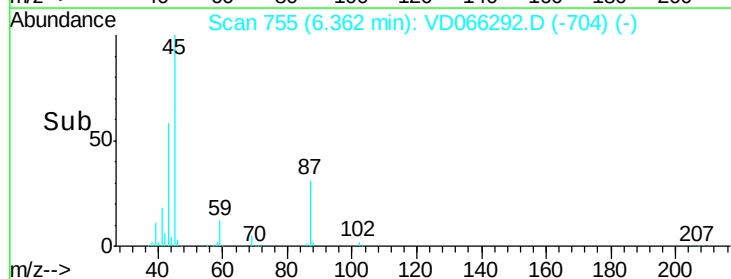
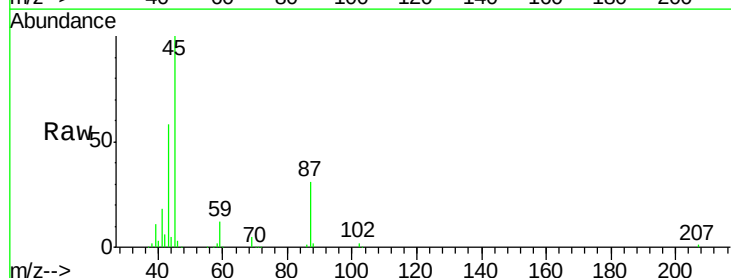
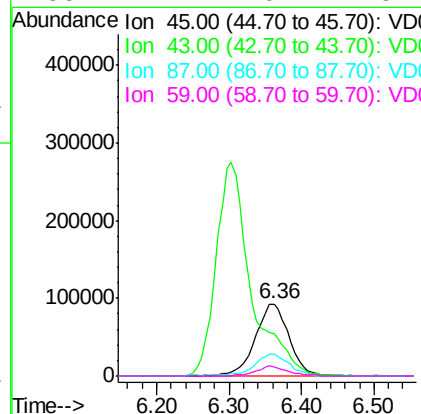
RT: 6.36 min Scan# 755

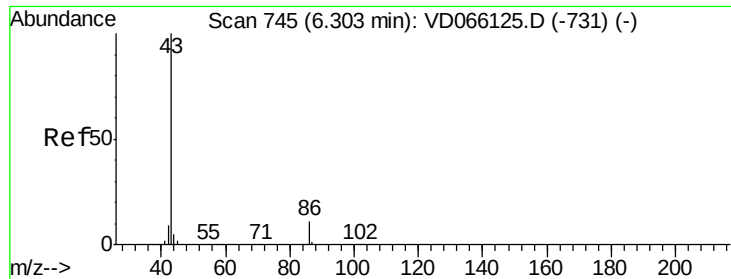
Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Tgt Ion:	45	Resp:	299563
Ion	Ratio	Lower	Upper
45	100		
43	56.8	41.2	61.8
87	30.7	22.8	34.2
59	11.7	10.2	15.2





#23

Vinyl Acetate

Concen: 274.691 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 921051

Ion Ratio Lower Upper

43 100

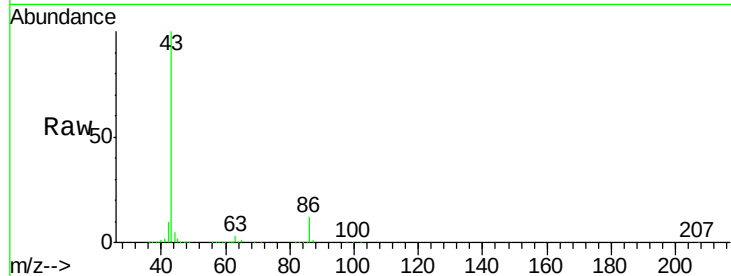
86 12.1 9.1 13.7

Manual Integrations

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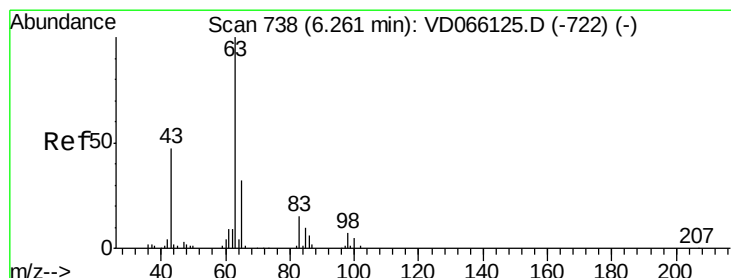
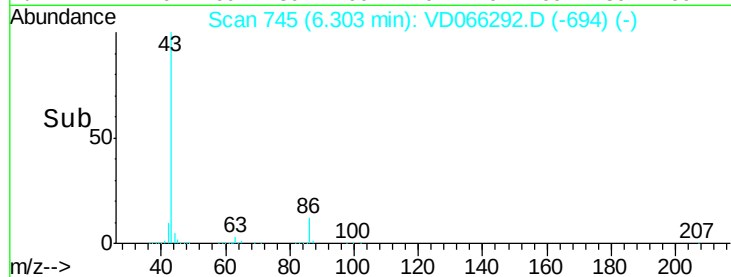
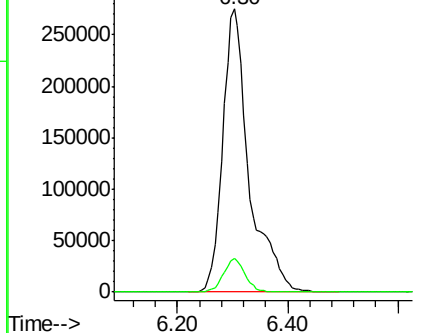
MMDadoda

8/19/2020 5:23:30 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.429 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

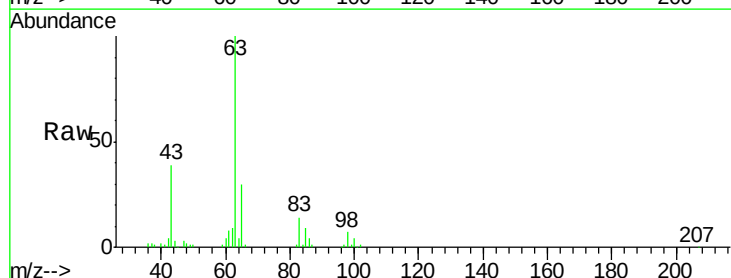
Tgt Ion: 63 Resp: 185705

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

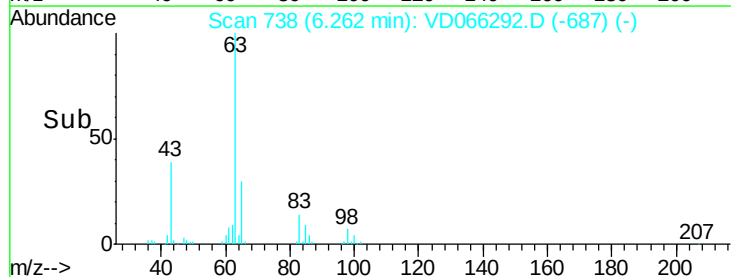
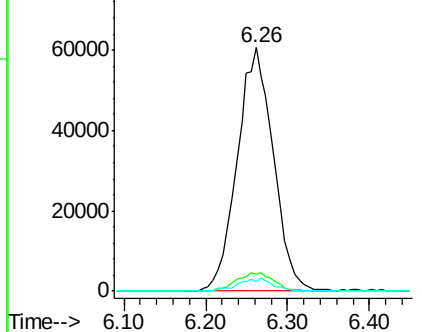
100 4.0 2.4 7.2

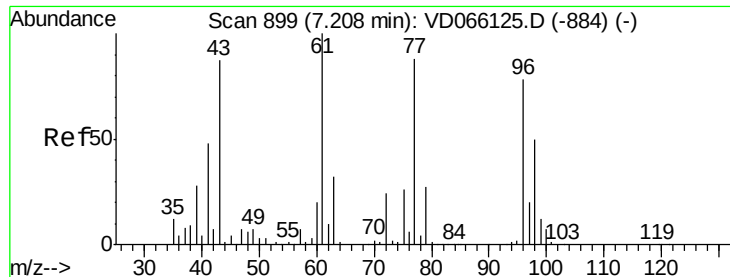


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





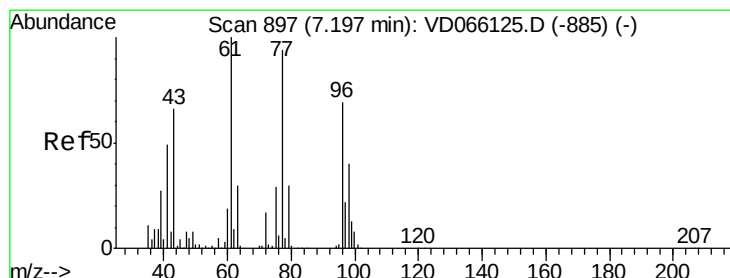
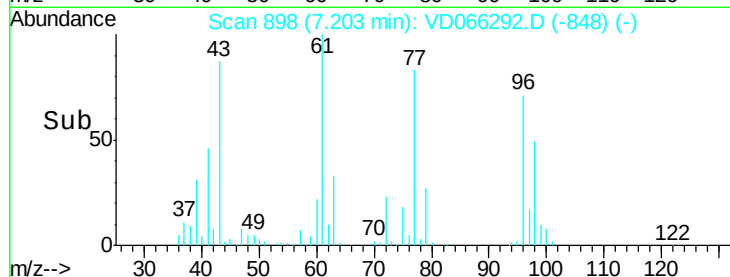
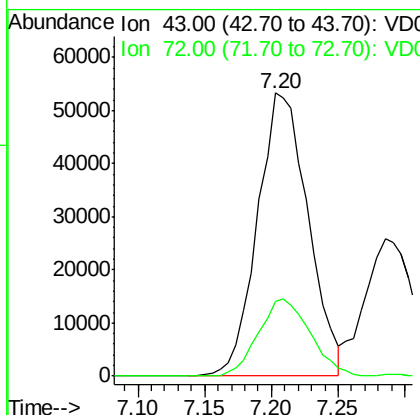
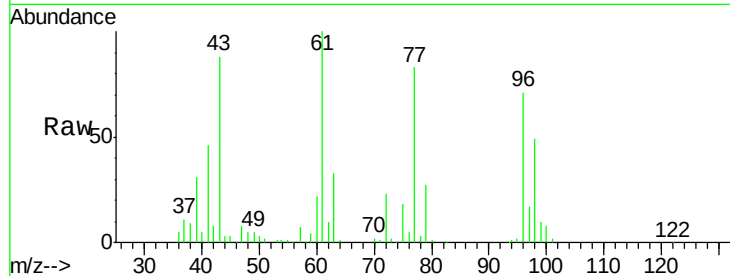
#25
2-Butanone
Concen: 261.254 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 140319
Ion Ratio Lower Upper
43 100
72 26.6 22.2 33.2

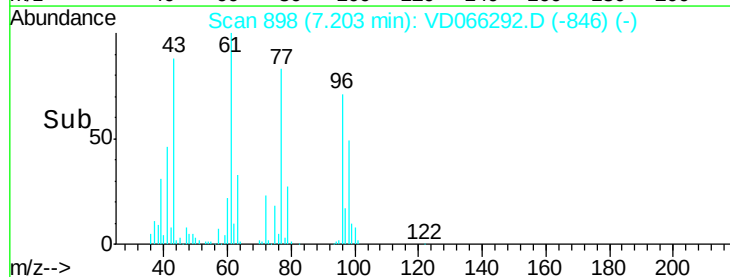
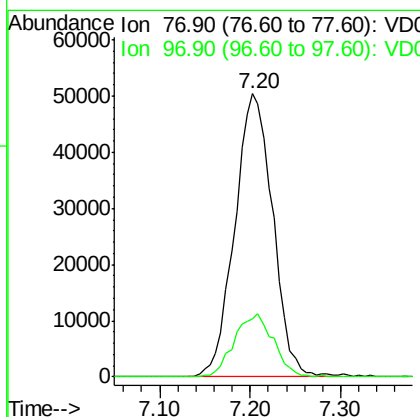
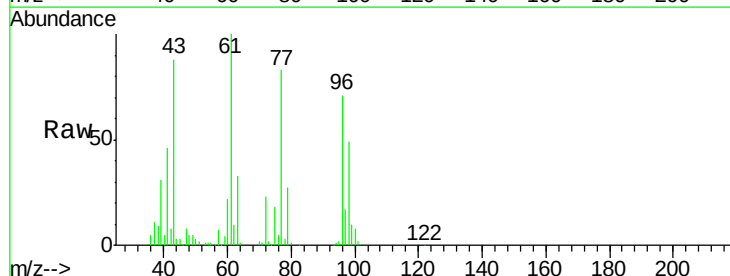
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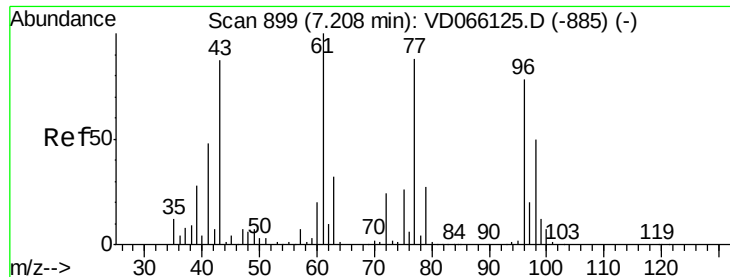
MMDadoda
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#26
2,2-Dichloropropane
Concen: 46.134 ug/l
RT: 7.20 min Scan# 898
Delta R.T. 0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion: 77 Resp: 146458
Ion Ratio Lower Upper
77 100
97 22.9 11.8 35.3





#27

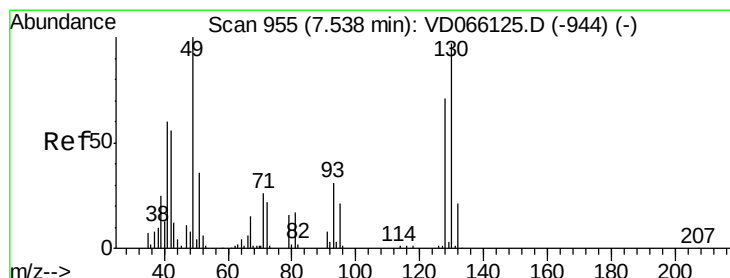
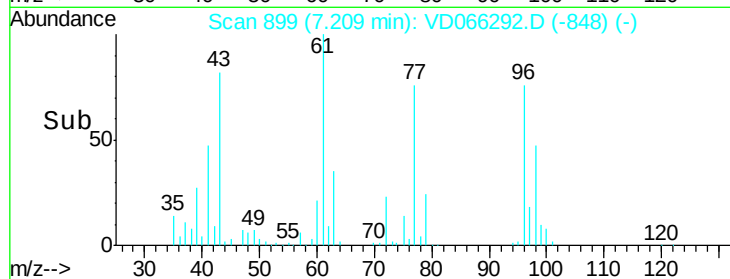
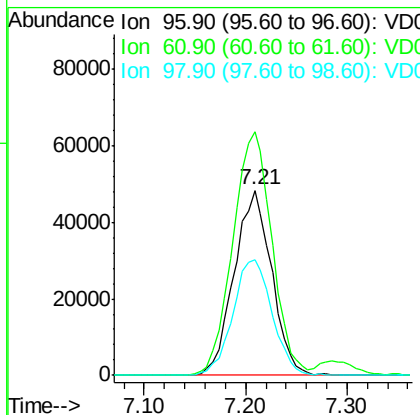
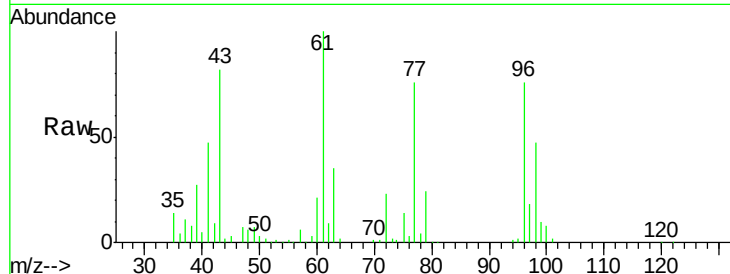
cis-1,2-Dichloroethene
Concen: 53.855 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.5	0.0	281.6
98	65.3	0.0	130.8

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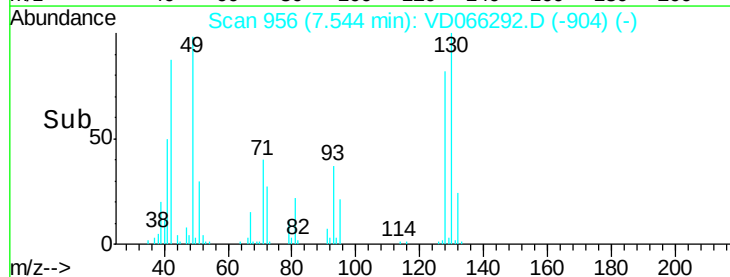
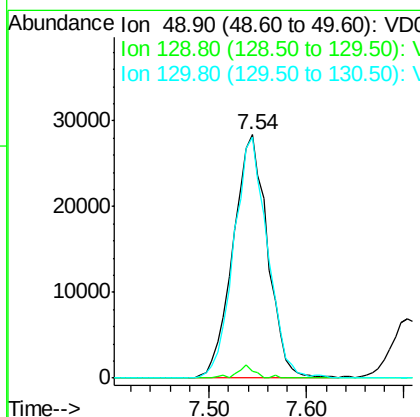
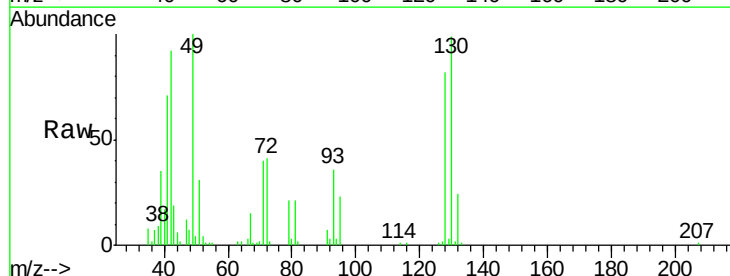
MMDadoda
8/19/2020 5:23:30 PM

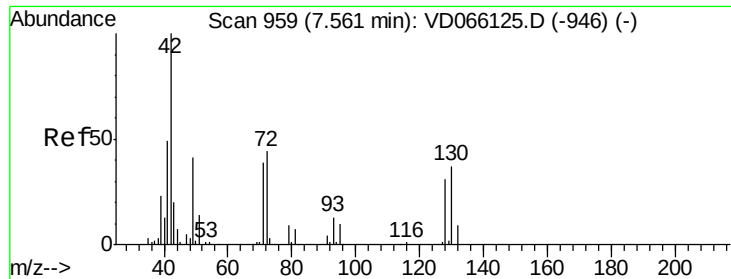


#28

Bromochloromethane
Concen: 56.058 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	6.0
130	96.9	73.8	110.6





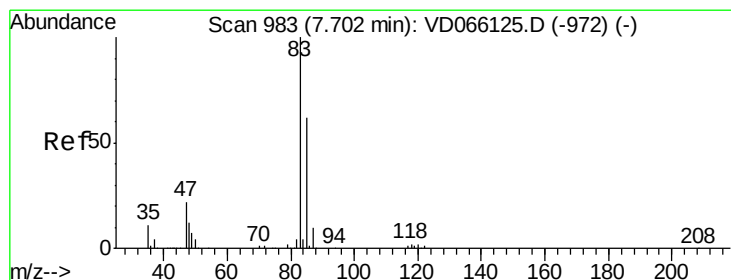
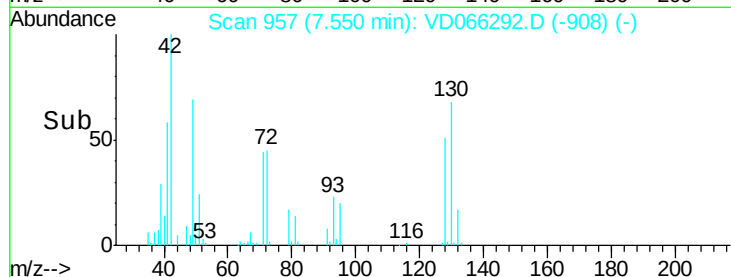
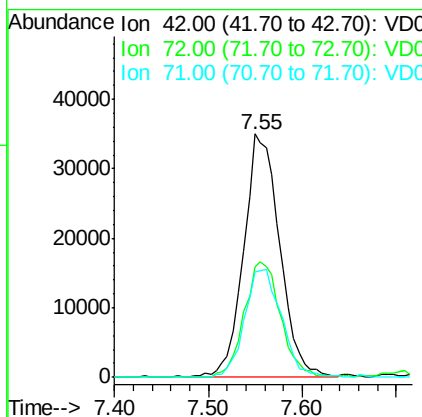
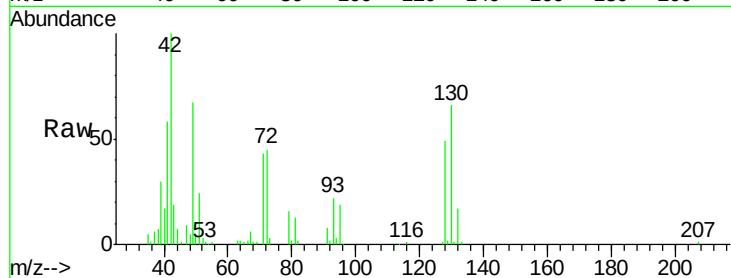
#29
Tetrahydrofuran
Concen: 280.229 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	34.8	52.2
71	45.2	33.5	50.3

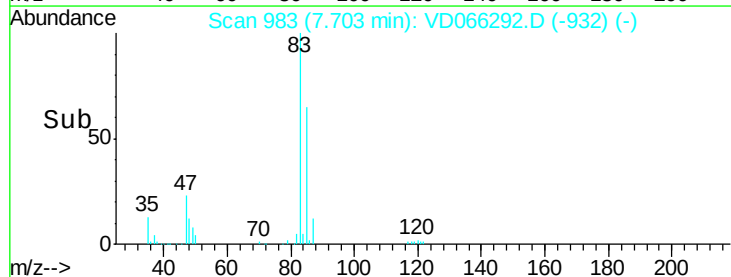
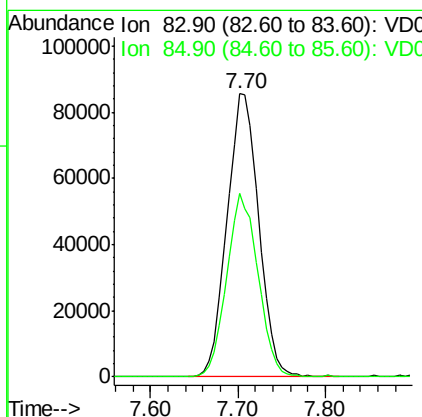
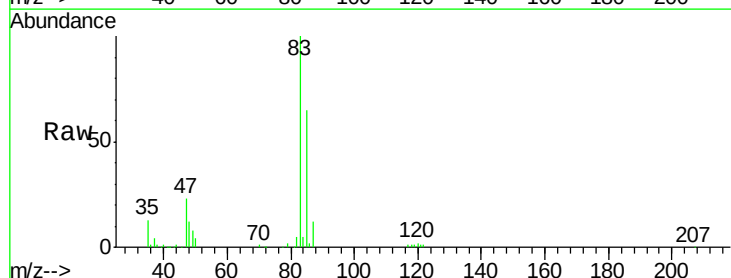
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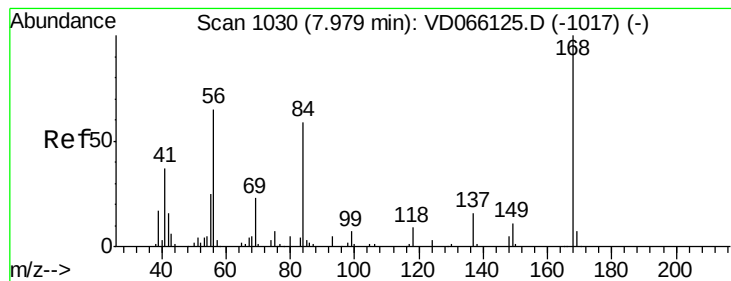
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#30
Chloroform
Concen: 56.833 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	49.5	74.3





#31

Cyclohexane

Concen: 39.290 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

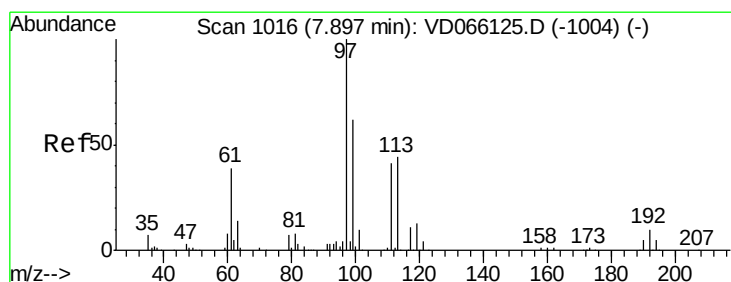
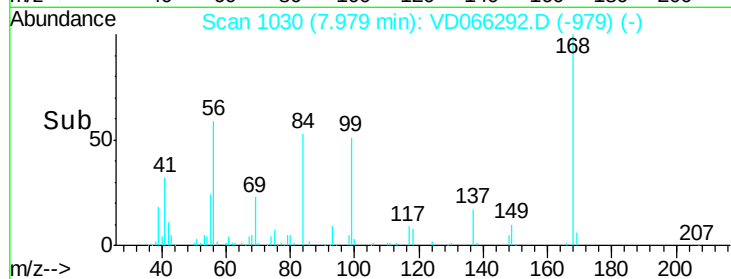
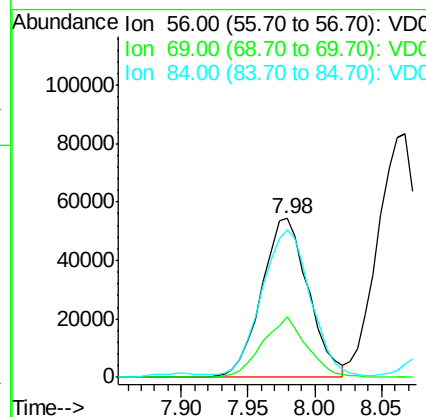
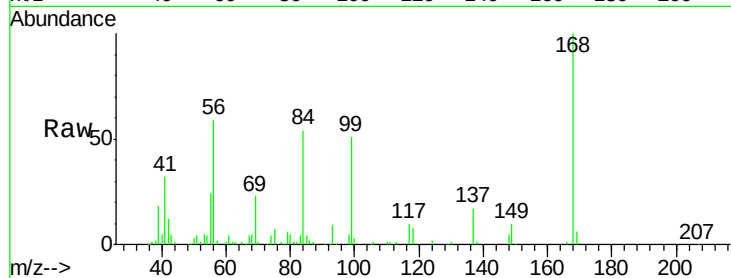
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	132474
Ion	Ratio	Lower	Upper
56	100		
69	38.5	28.8	43.2
84	91.0	73.0	109.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.472 ug/l

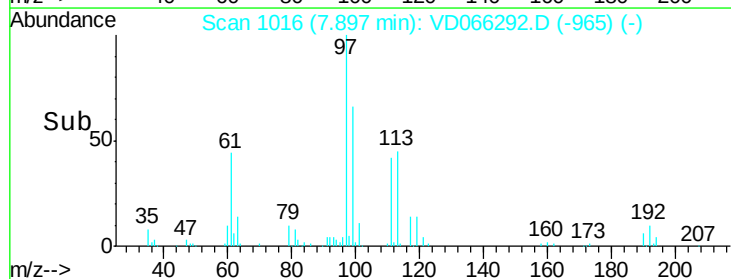
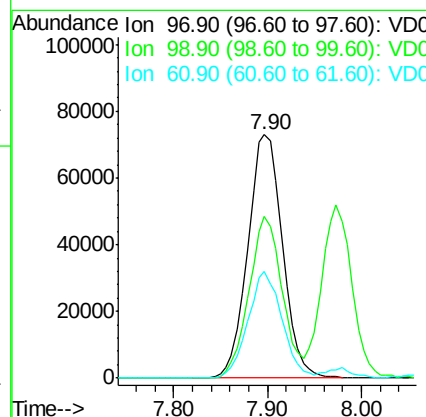
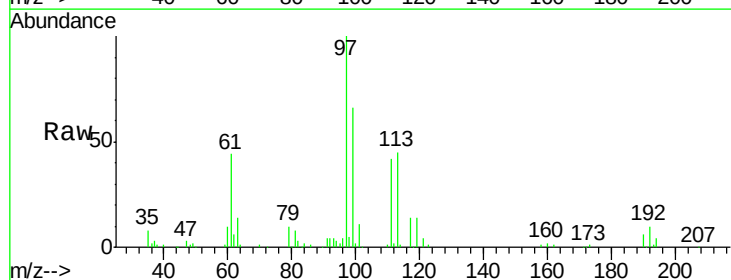
RT: 7.90 min Scan# 1016

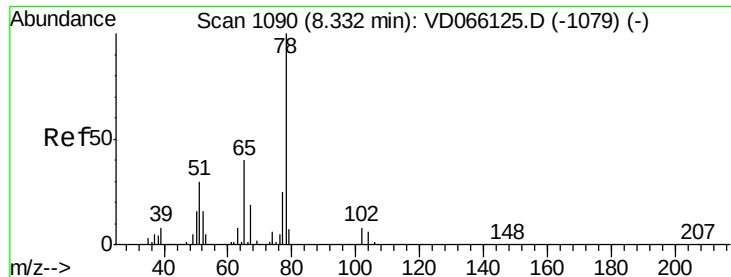
Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Tgt Ion:	97	Resp:	186468
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.1	76.7
61	42.8	32.7	49.1





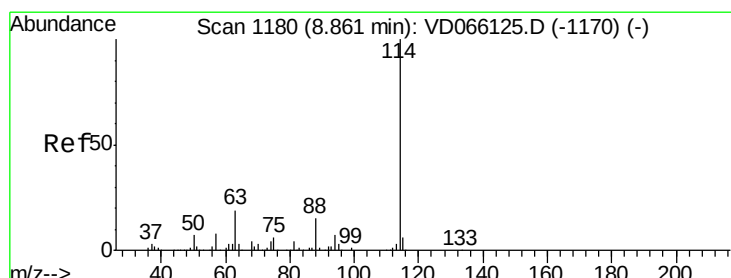
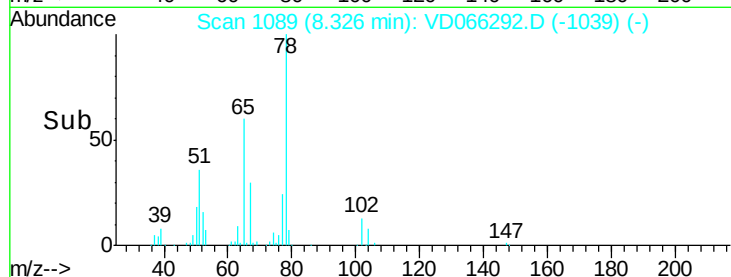
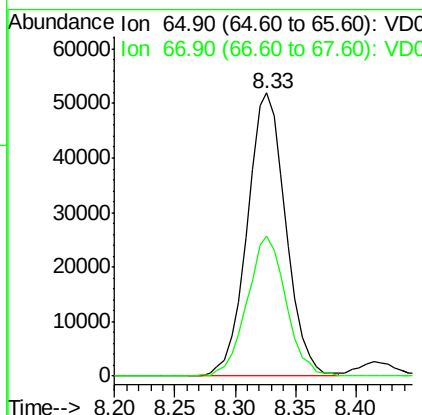
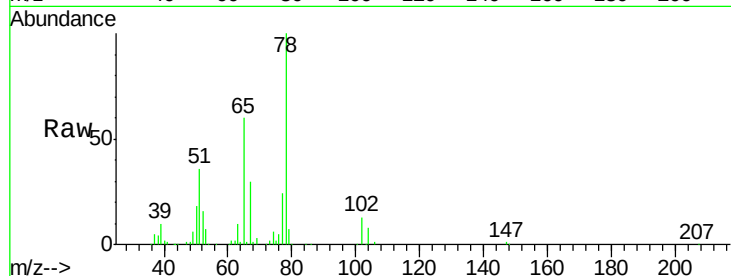
#33
 1,2-Dichloroethane-d4
 Concen: 60.131 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.7	0.0	104.6	

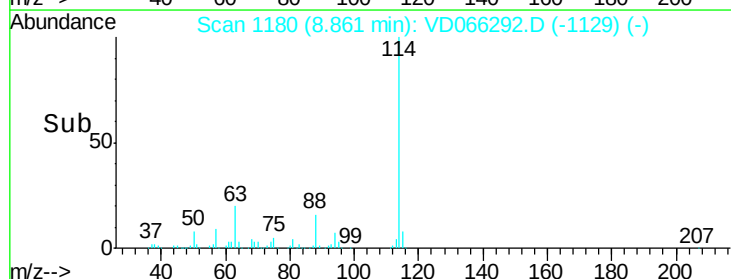
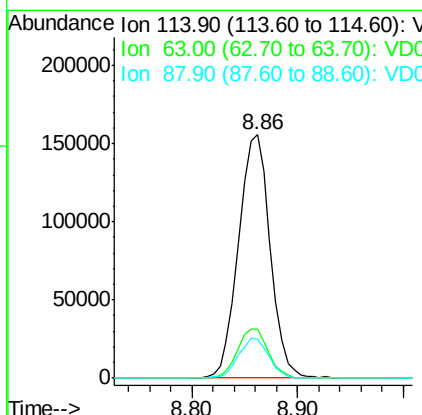
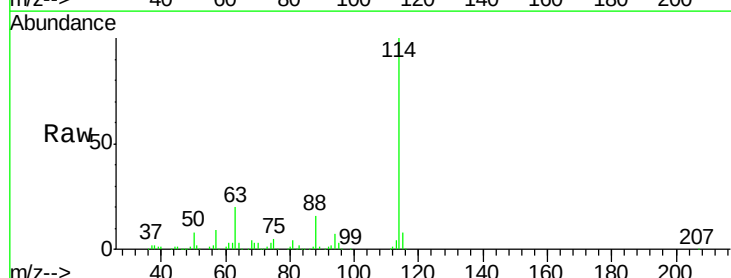
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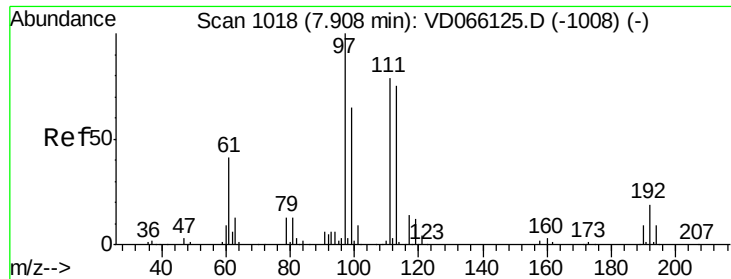
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	38.6	
88	15.7	0.0	30.0	





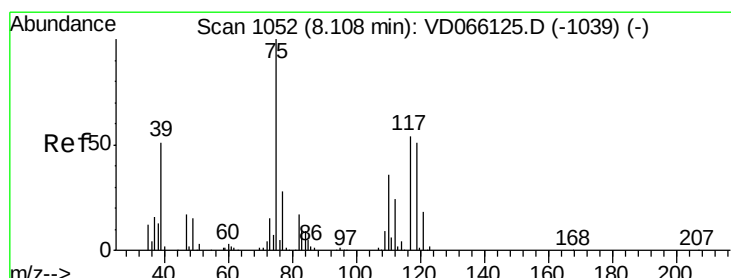
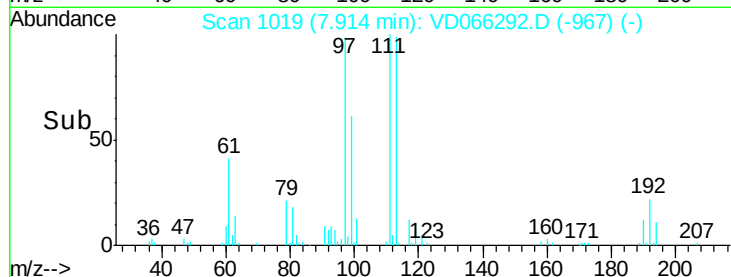
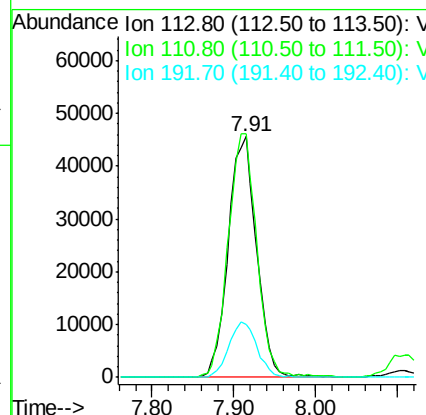
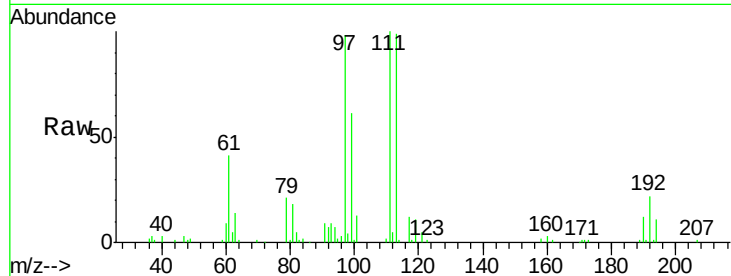
#35
 Dibromofluoromethane
 Concen: 53.583 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109857		
111	102.2	80.7	121.1	
192	22.7	18.4	27.6	

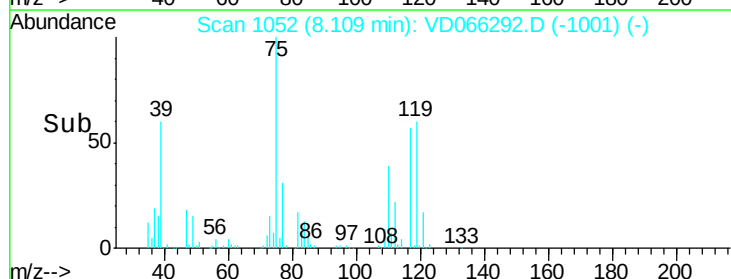
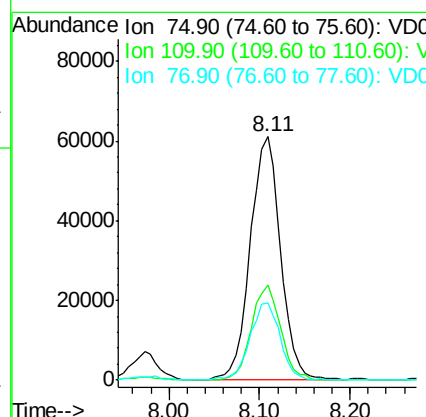
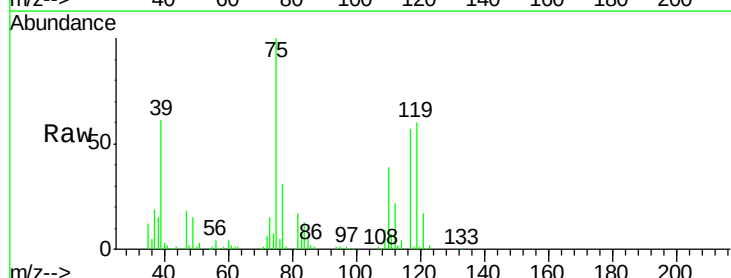
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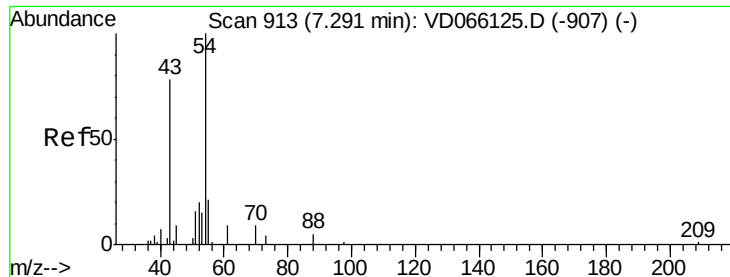
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#36
 1,1-Dichloropropene
 Concen: 46.556 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141589		
110	37.5	18.8	56.3	
77	31.5	24.2	36.2	





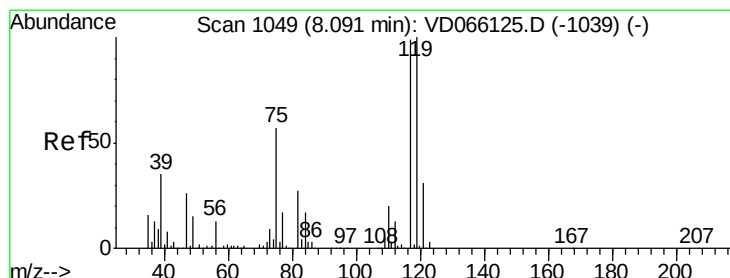
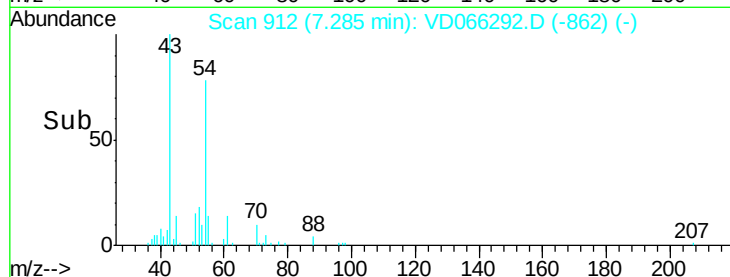
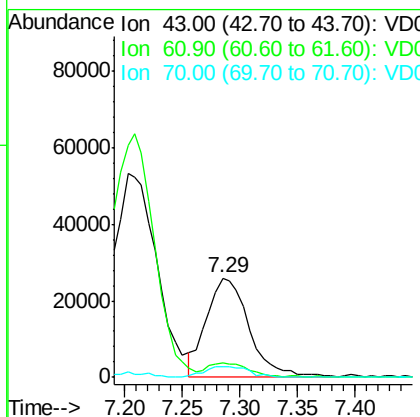
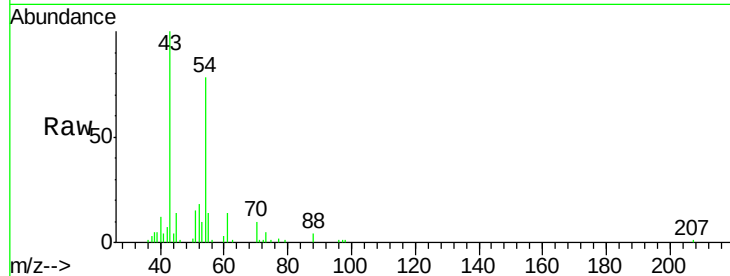
#37
Ethyl Acetate
Concen: 54.330 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	65466
Ion Ratio	100	Lower	Upper
43	100		
61	13.7	12.0	18.0
70	11.8	9.7	14.5

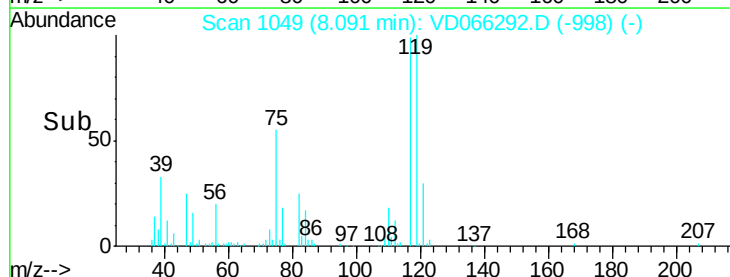
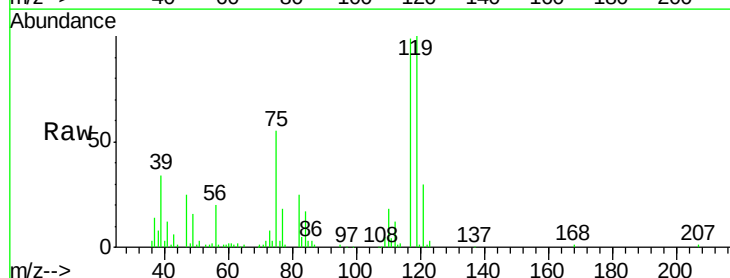
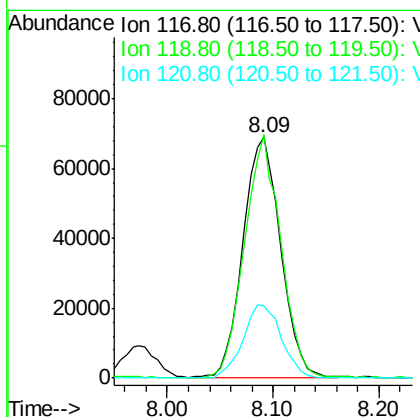
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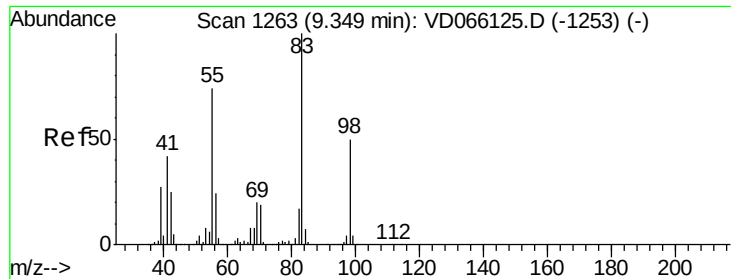
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.211 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	117	Resp	170289
Ion Ratio	100	Lower	Upper
117	100		
119	101.5	81.0	121.4
121	30.0	24.8	37.2





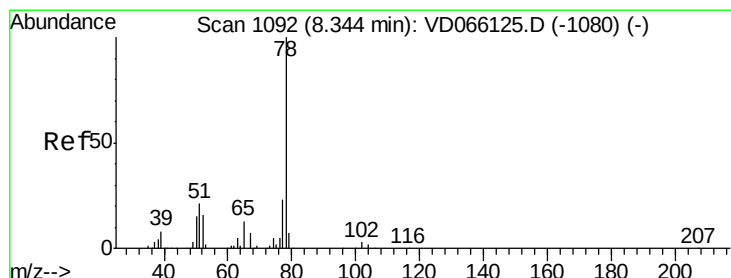
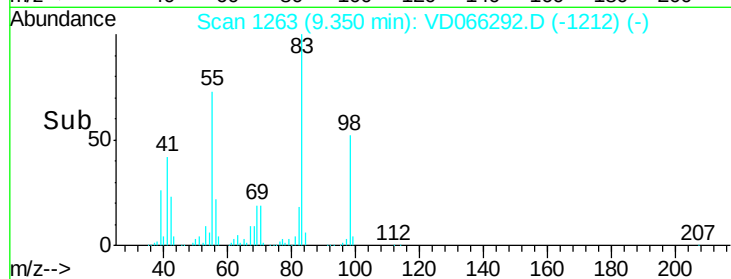
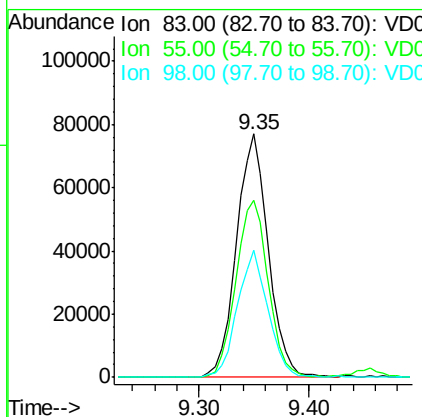
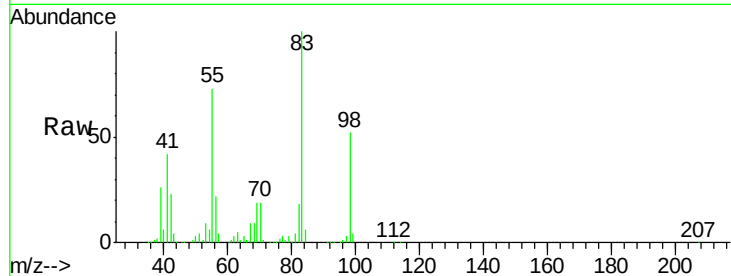
#39
Methylvlcyclohexane
Concen: 42.413 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	155927
Ion	Ratio	Lower	Upper
83	100		
55	72.7	59.2	88.8
98	52.2	39.8	59.6

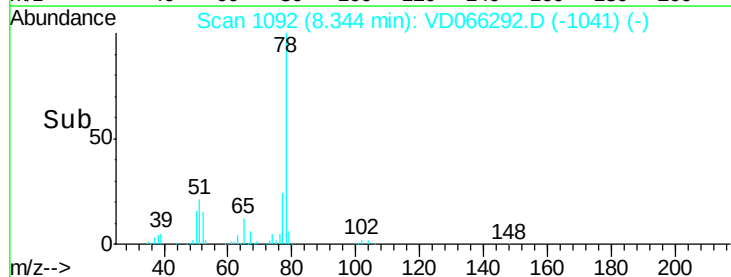
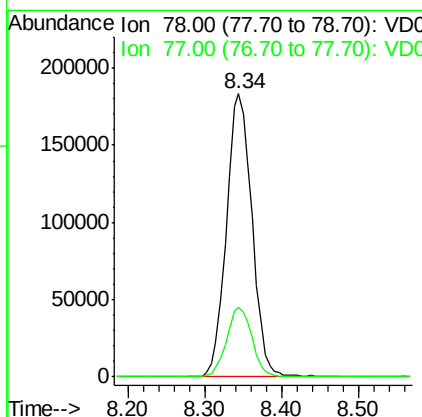
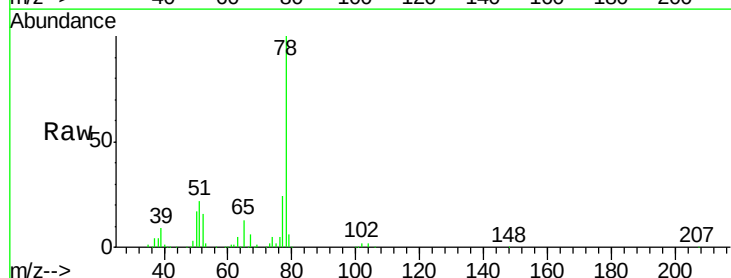
Manual Integrations
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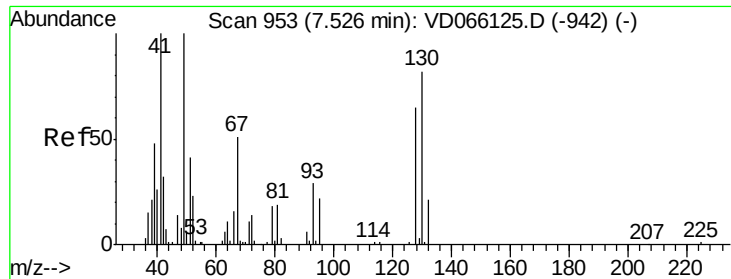
MMDadoda
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#40
Benzene
Concen: 50.285 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	78	Resp	424237
Ion	Ratio	Lower	Upper
78	100		
77	24.4	18.6	27.8





#41

Methacrylonitrile

Concen: 54.104 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 38332

Ion Ratio Lower Upper

41 100

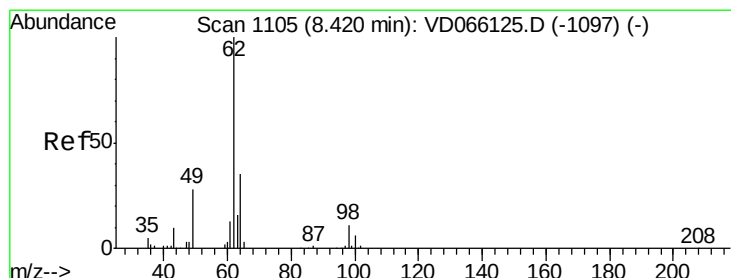
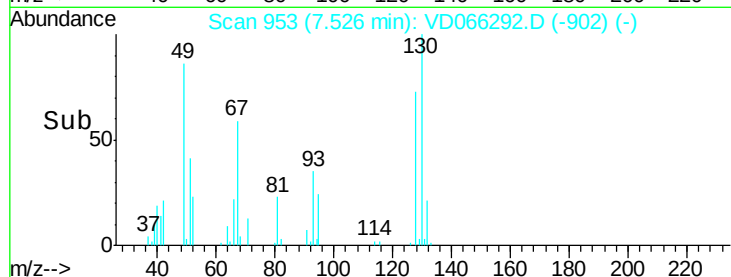
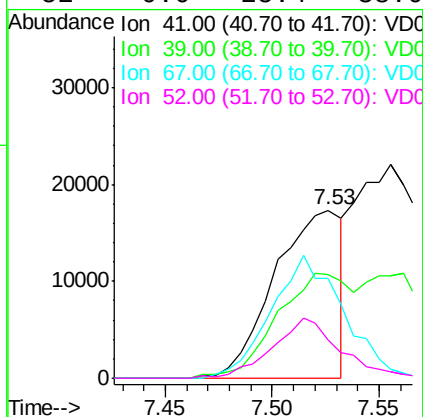
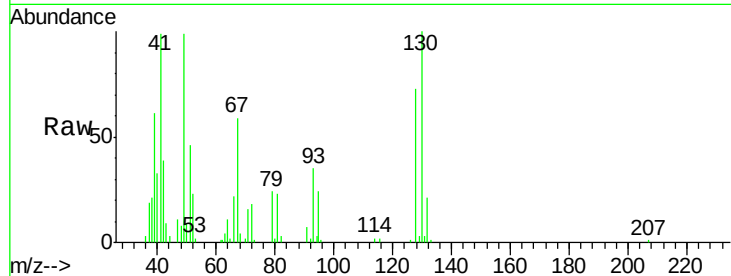
39 0.0 47.5 71.3#

67 0.0 59.1 88.7#

52 0.0 25.4 38.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 58.647 ug/l

RT: 8.41 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VD066292.D

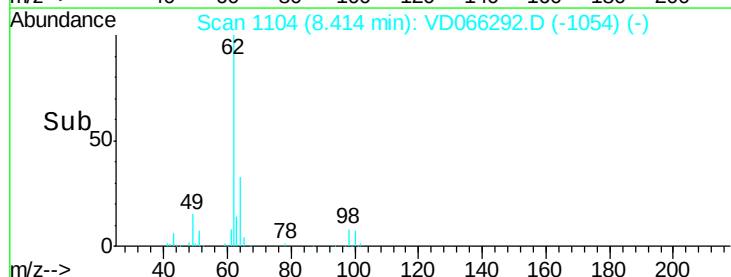
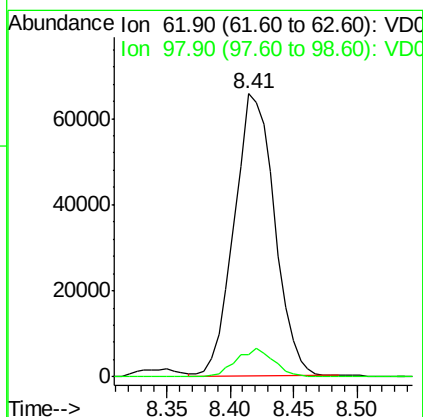
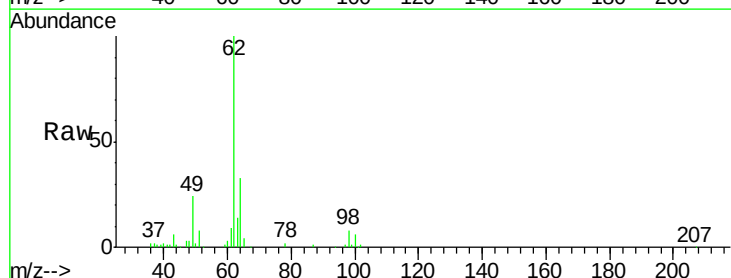
Acq: 18 Aug 2020 21:42

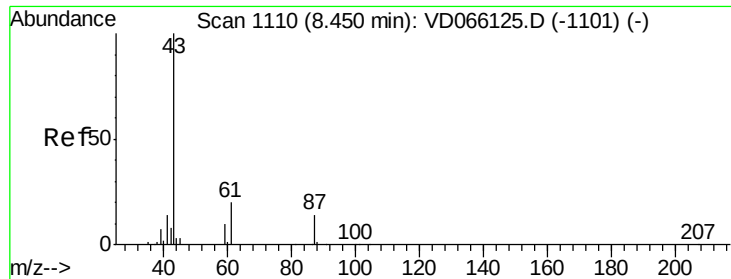
Tgt Ion: 62 Resp: 145353

Ion Ratio Lower Upper

62 100

98 9.5 0.0 20.4





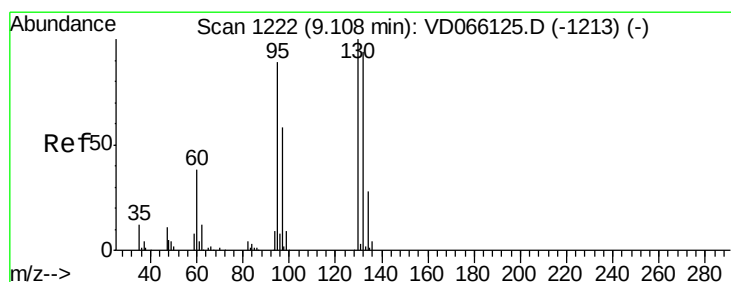
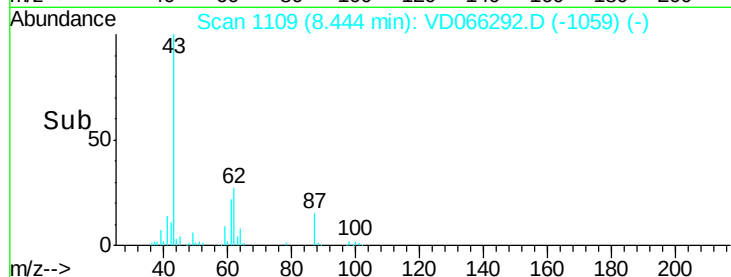
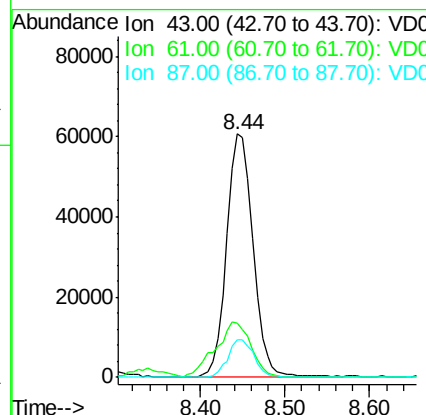
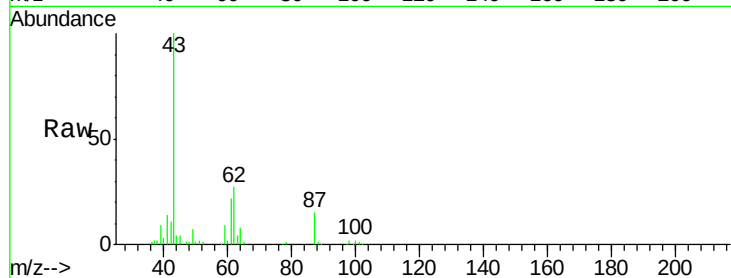
#43
Isopropyl Acetate
Concen: 55.552 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	131889		
61	30.4		25.5	38.3
87	15.2		11.2	16.8

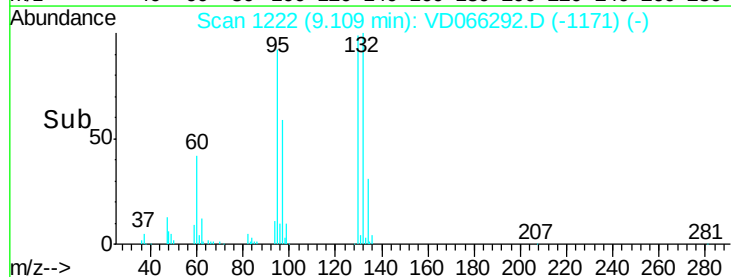
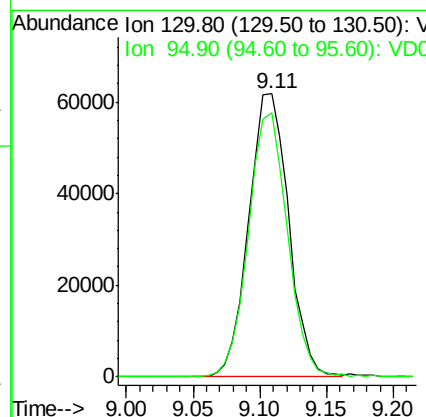
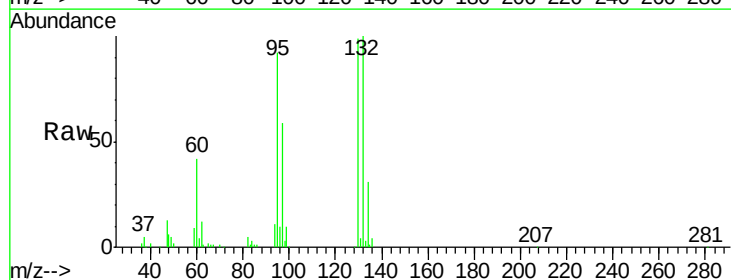
Manual Integrations
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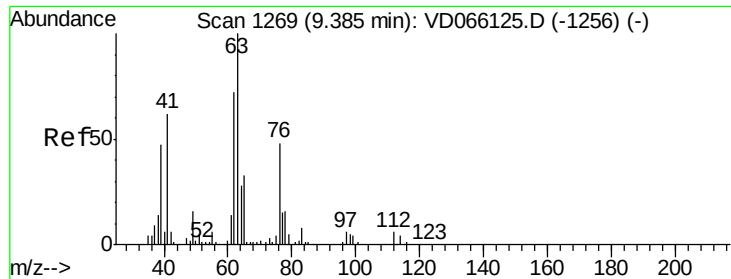
MMDadoda
8/19/2020 5:23:30 PM



#44
Trichloroethene
Concen: 50.205 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	127634		
95	93.2		0.0	178.4





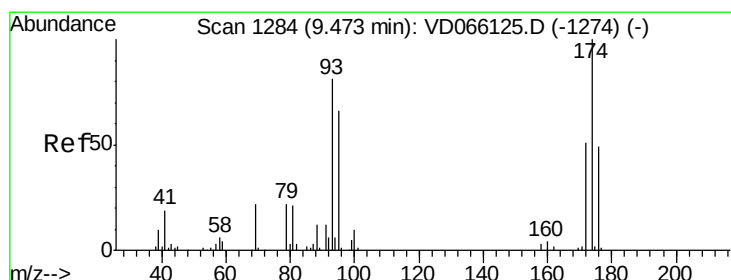
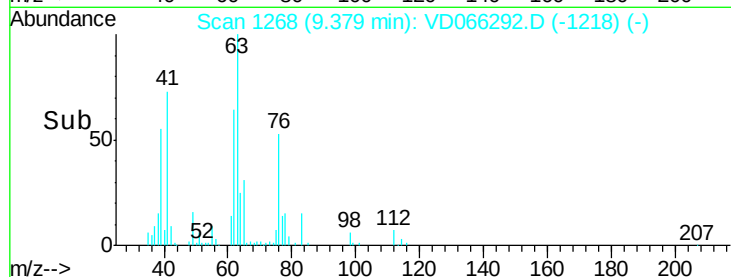
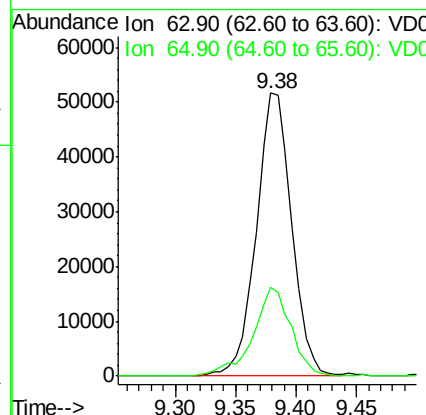
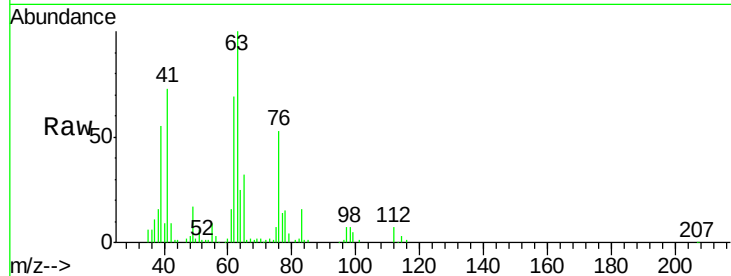
#45
 1,2-Dichloropropane
 Concen: 51.214 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	26.5	39.7

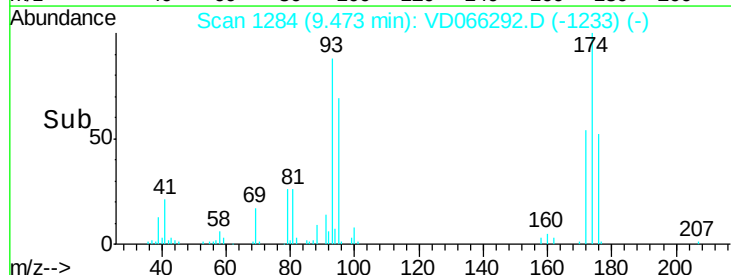
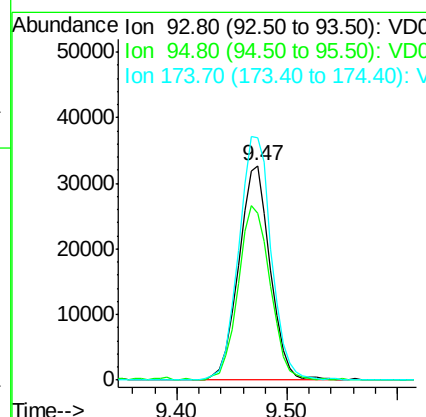
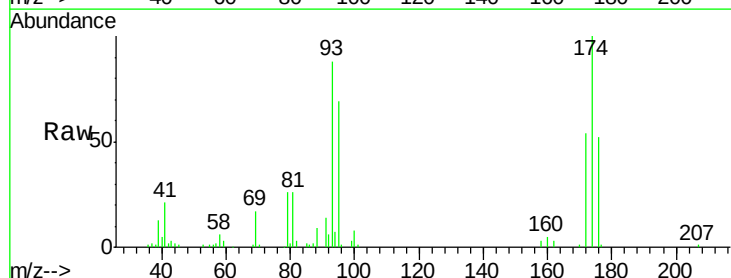
Manual Integrations
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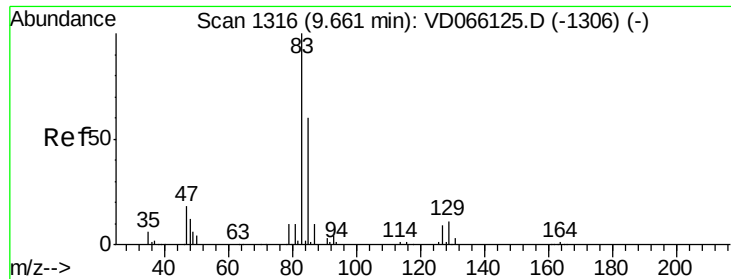
MMDadoda
 8/19/2020 5:23:30 PM



#46
 Dibromomethane
 Concen: 57.721 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.8	98.6
174	117.2	92.8	139.2





#47

Bromodichloromethane

Concen: 56.577 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

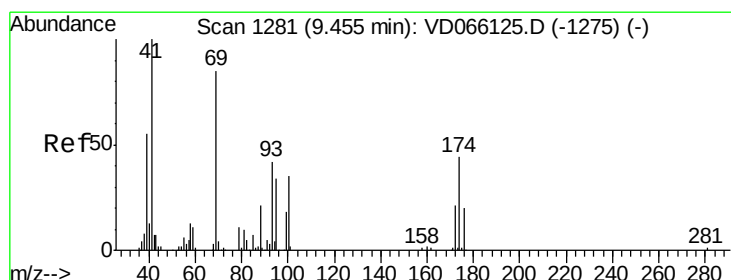
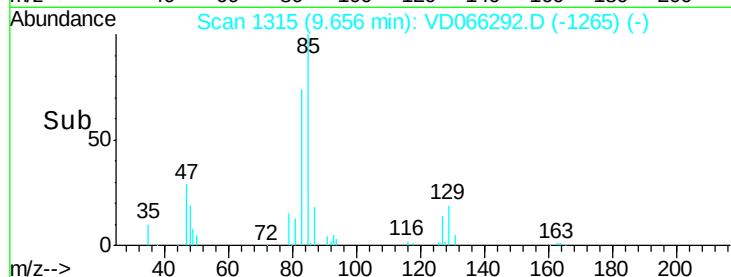
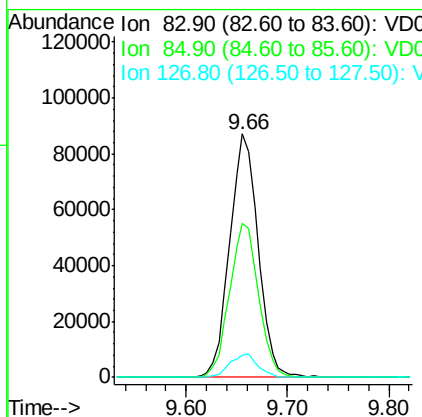
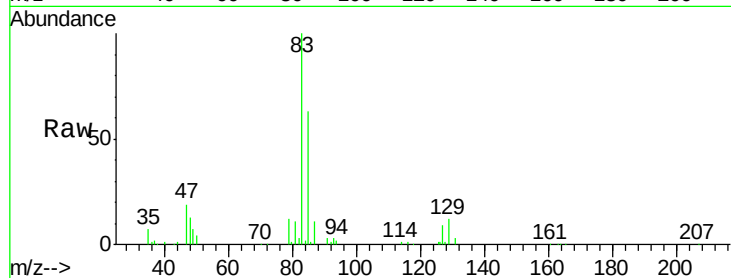
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	169954
Ion	Ratio	Lower	Upper
83	100		
85	63.3	48.2	72.4
127	9.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.527 ug/l

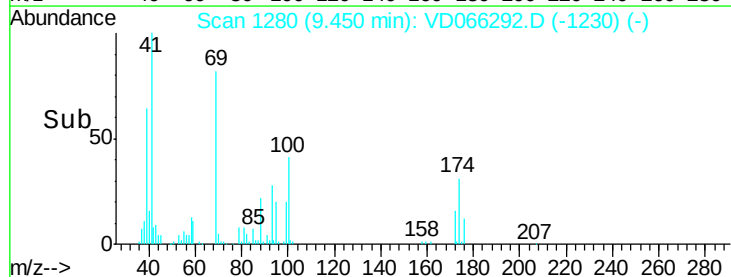
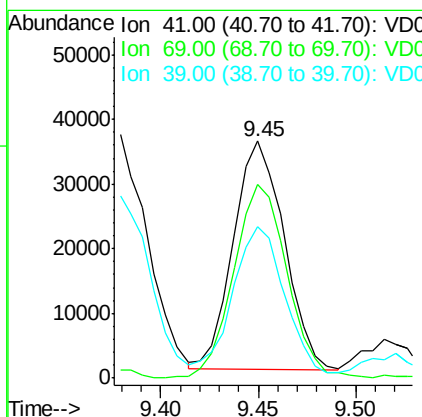
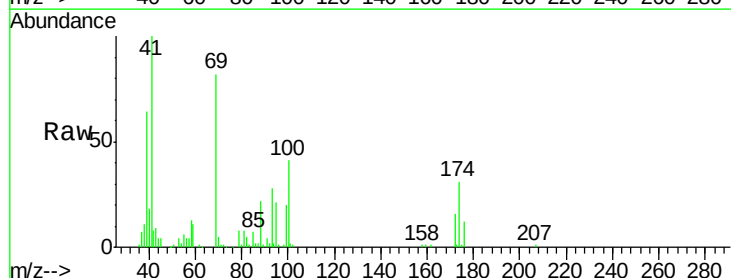
RT: 9.45 min Scan# 1280

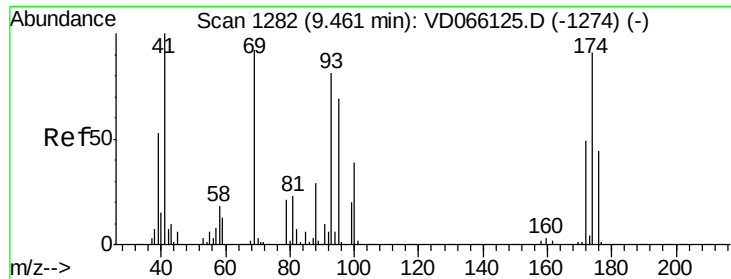
Delta R.T. -0.01 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Tgt Ion:	41	Resp:	63678
Ion	Ratio	Lower	Upper
41	100		
69	89.3	63.9	95.9
39	69.4	42.6	64.0#





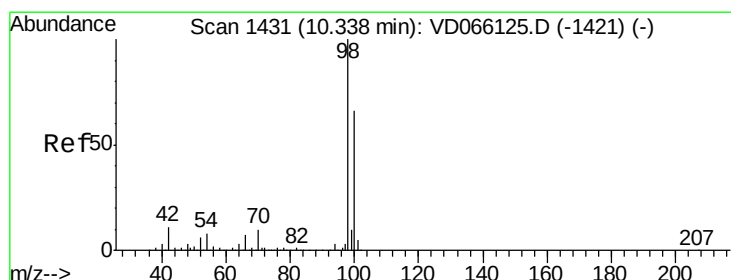
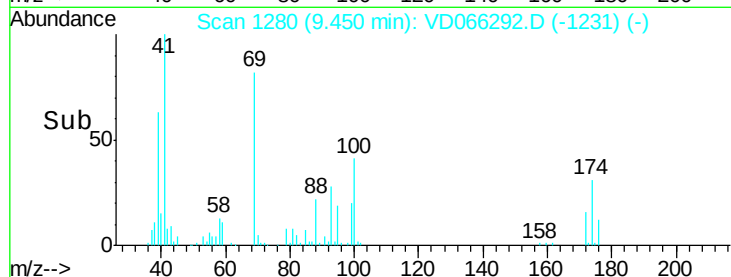
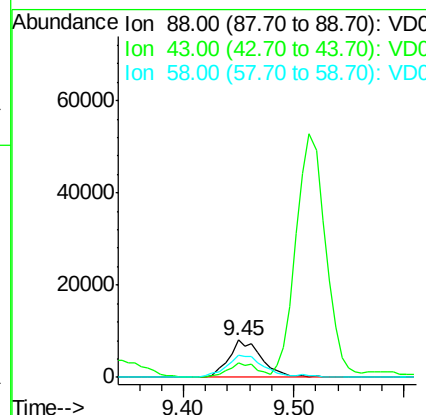
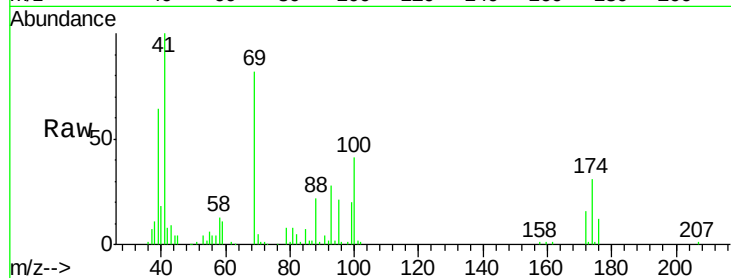
#49
 1,4-Dioxane
 Concen: 1160.253 ug/l
 RT: 9.45 min Scan# 1280
 Delta R.T. -0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	16942
Ion	Ratio	Lower	Upper
88	100		
43	34.7	27.5	41.3
58	66.3	50.2	75.4

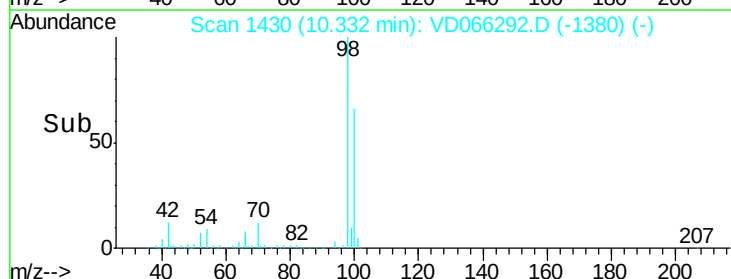
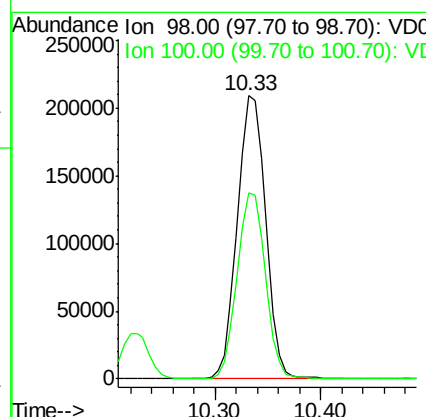
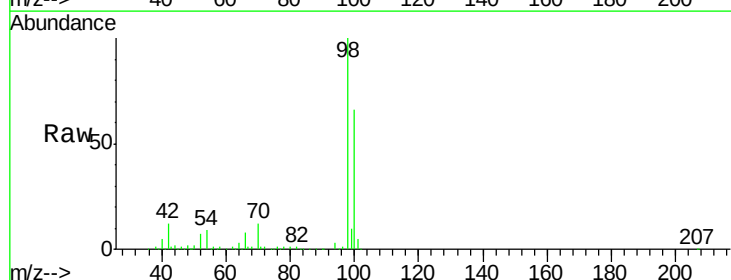
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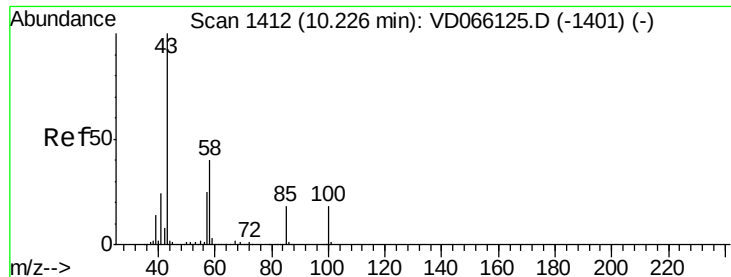
MMDadoda
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#50
 Toluene-d8
 Concen: 51.478 ug/l
 RT: 10.33 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Tgt Ion	98	Resp	389474
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 284.669 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 347158

Ion Ratio Lower Upper

43 100

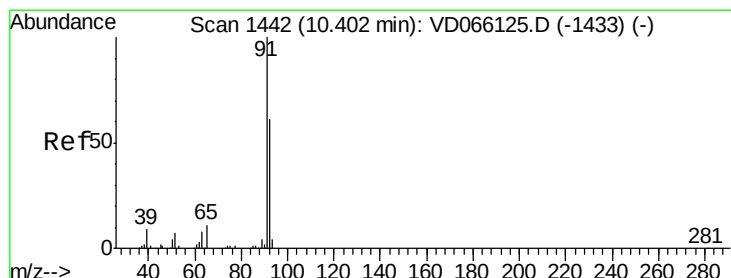
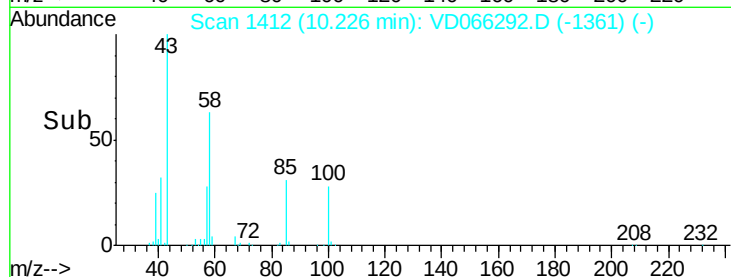
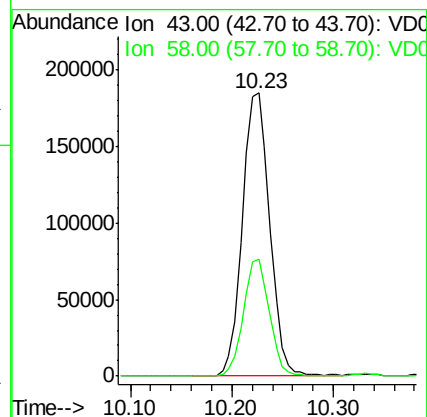
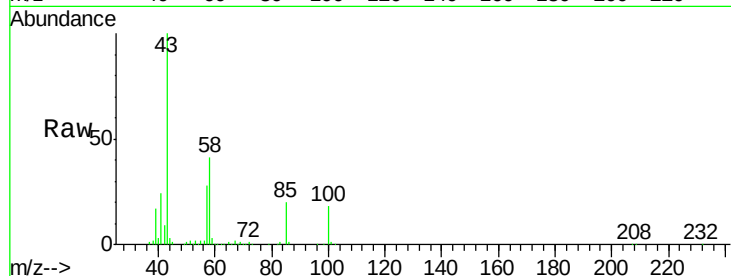
58 39.3 31.1 46.7

Manual Integrations

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#52

Toluene

Concen: 52.121 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066292.D

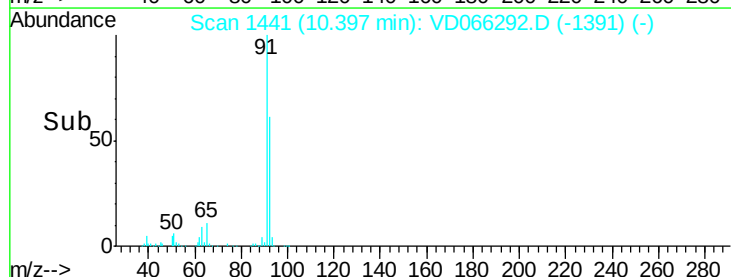
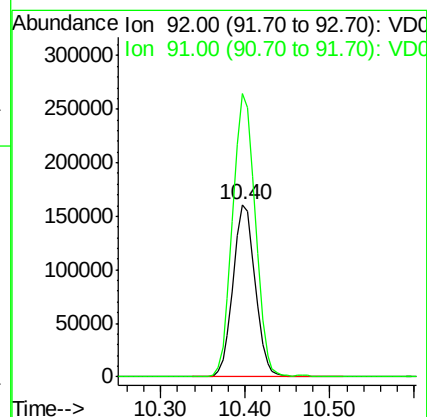
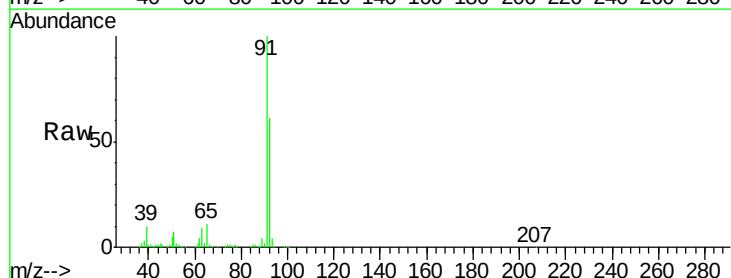
Acq: 18 Aug 2020 21:42

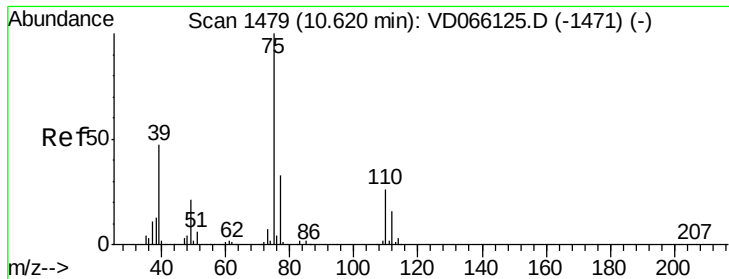
Tgt Ion: 92 Resp: 289347

Ion Ratio Lower Upper

92 100

91 168.5 135.2 202.8





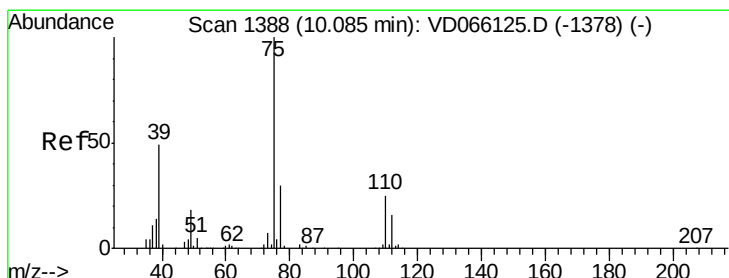
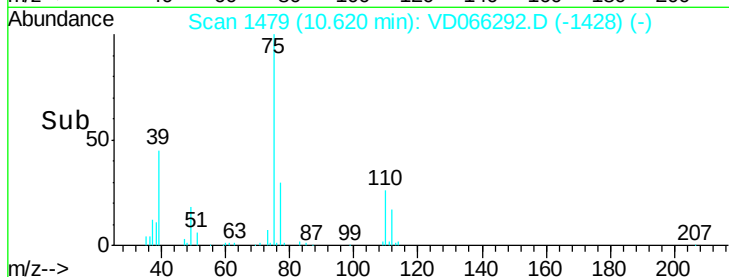
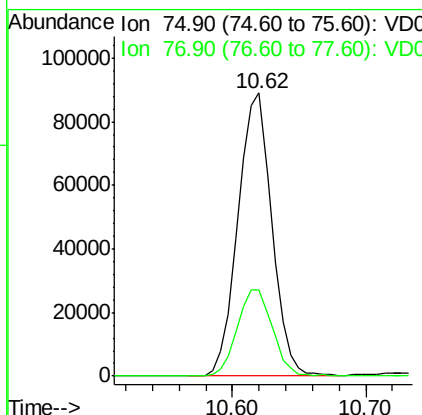
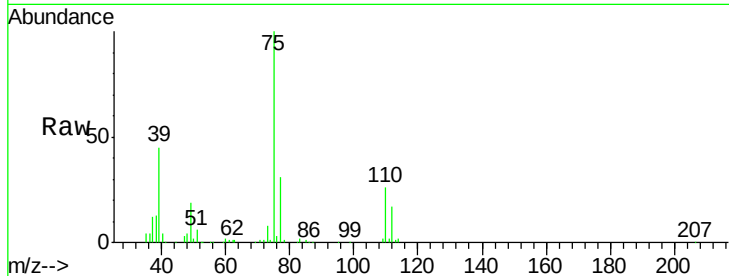
#53
 t-1,3-Dichloropropene
 Concen: 54.879 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 156447
 Ion Ratio Lower Upper
 75 100
 77 30.7 26.2 39.2

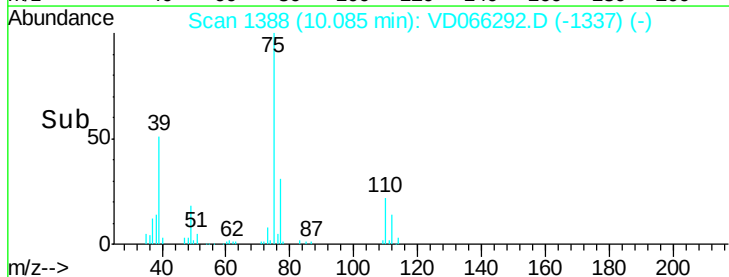
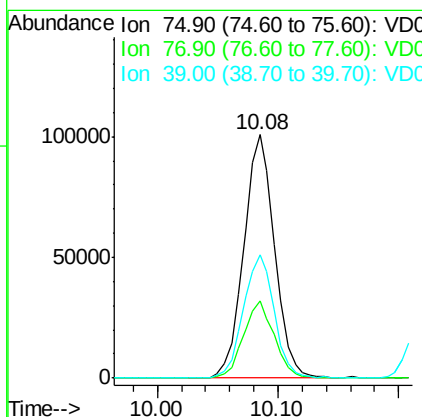
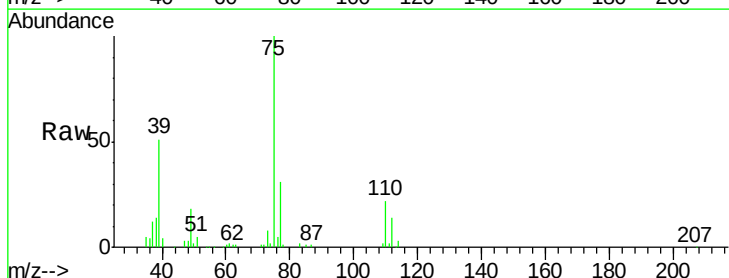
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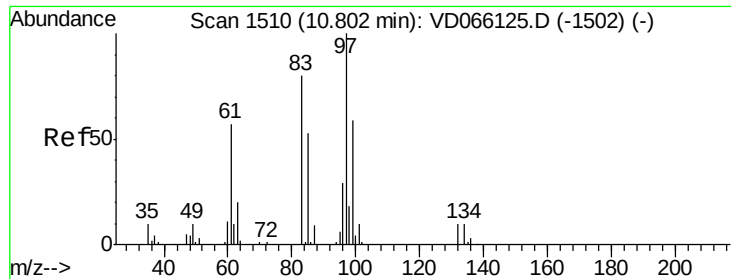
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#54
 cis-1,3-Dichloropropene
 Concen: 53.529 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Tgt Ion: 75 Resp: 178789
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.3 36.5
 39 50.7 39.3 58.9





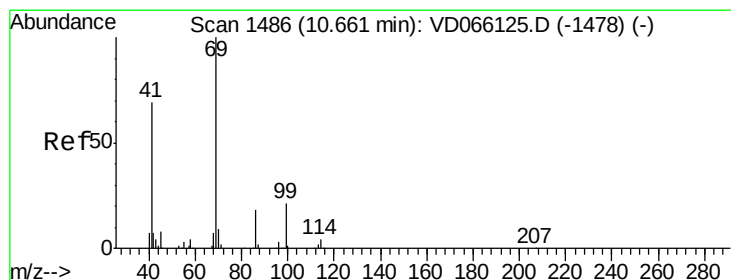
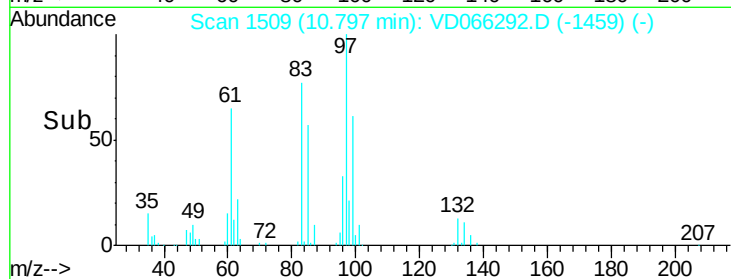
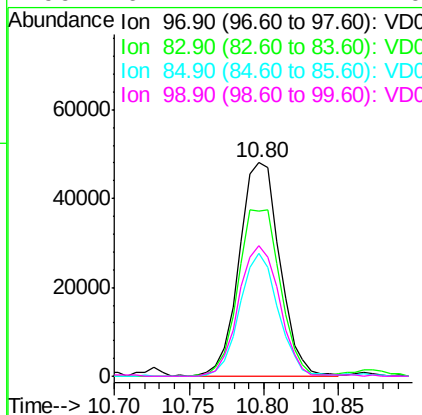
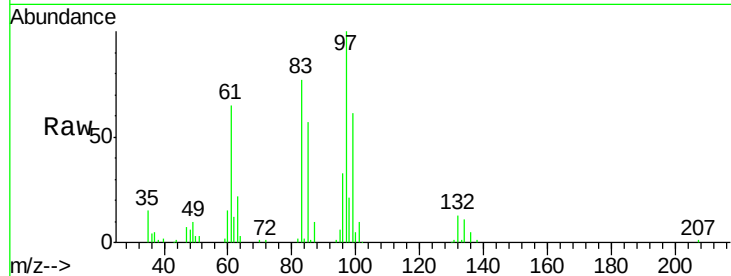
#55
 1,1,2-Trichloroethane
 Concen: 55.454 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	90756
Ion	Ratio	Lower	Upper
97	100		
83	77.2	63.9	95.9
85	57.5	42.5	63.7
99	61.1	47.4	71.0

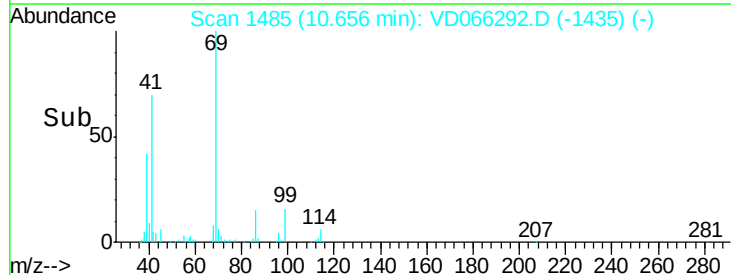
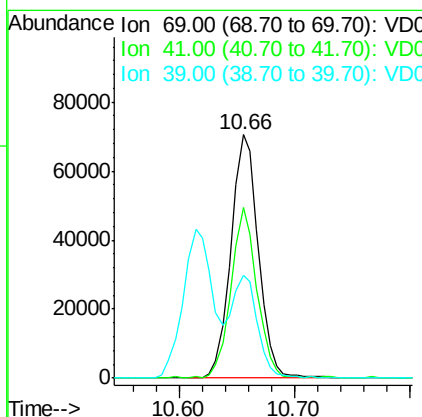
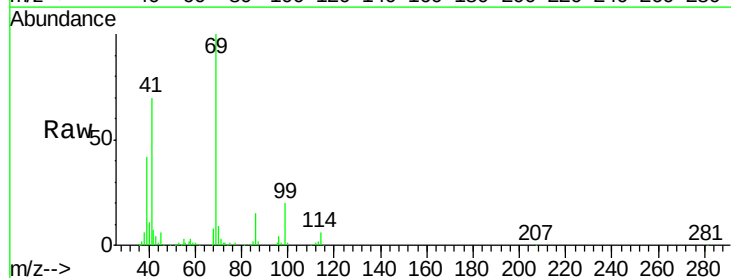
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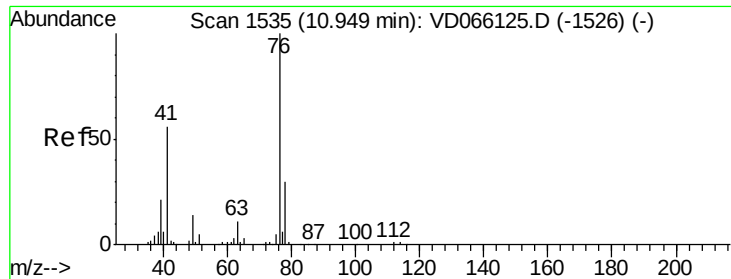
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#56
 Ethyl methacrylate
 Concen: 58.871 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Tgt Ion	69	Resp	115743
Ion	Ratio	Lower	Upper
69	100		
41	66.7	54.1	81.1
39	39.6	28.6	43.0





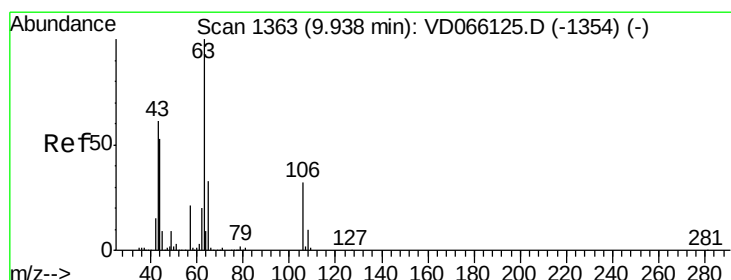
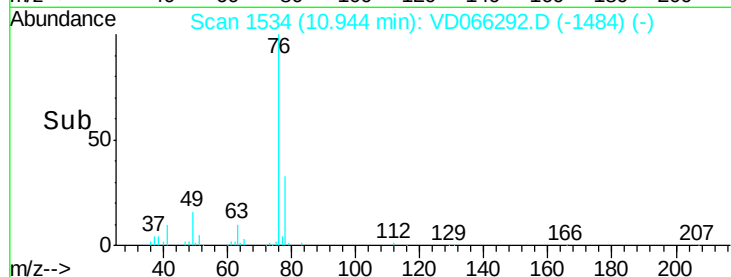
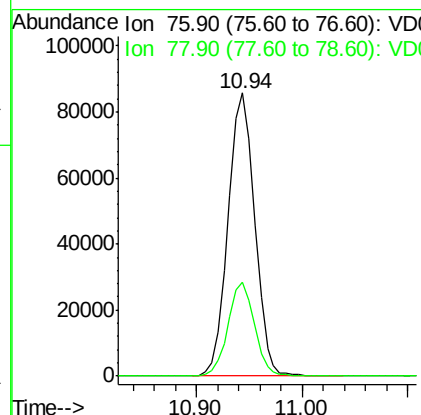
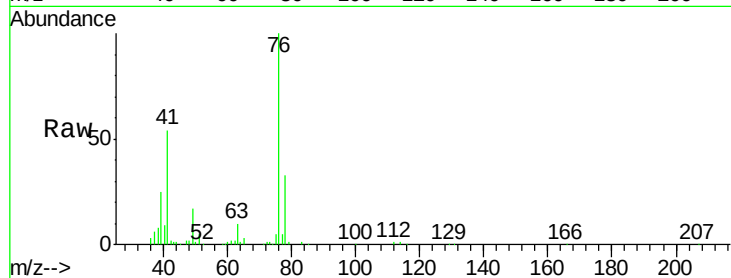
#57
 1,3-Dichloropropane
 Concen: 55.422 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.5	38.3

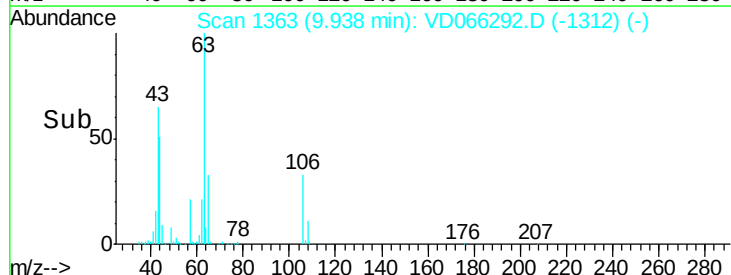
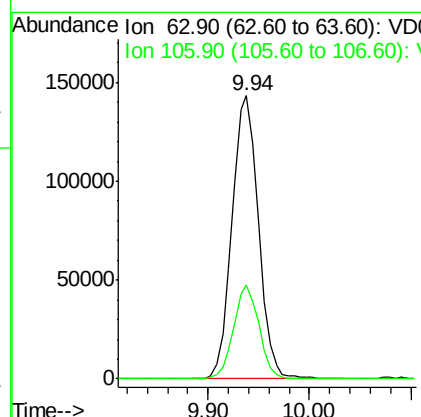
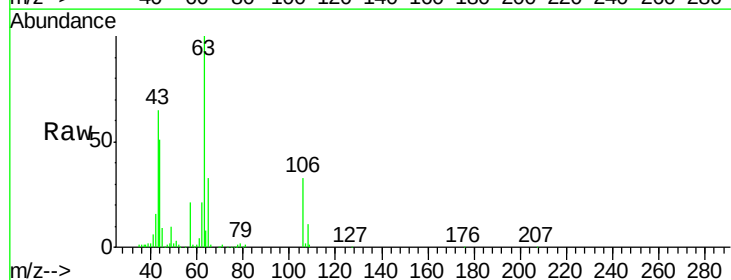
Manual Integrations
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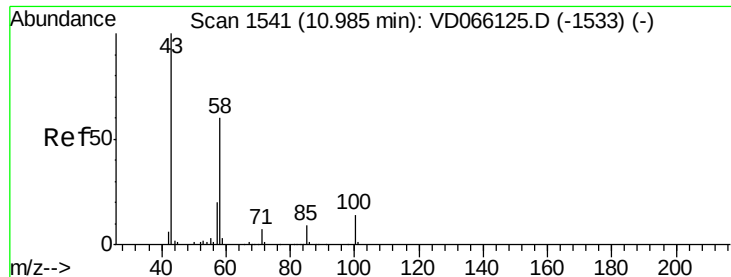
MMDadoda
 8/19/2020 5:23:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 293.117 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.9	25.3	37.9





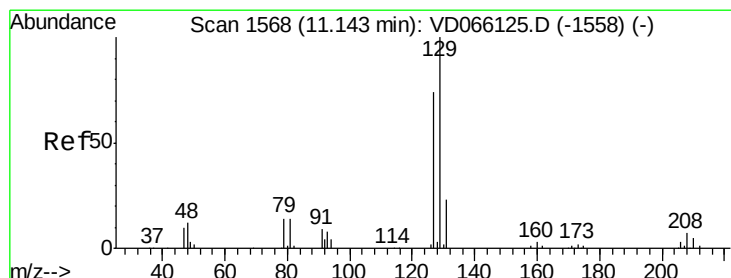
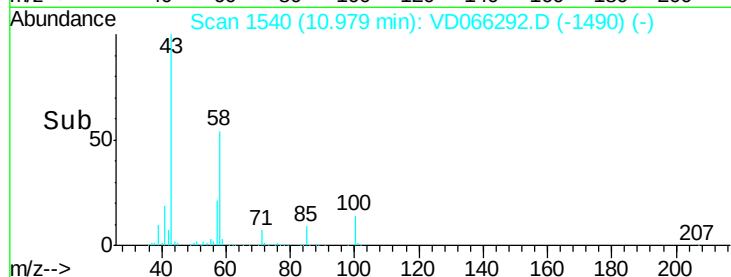
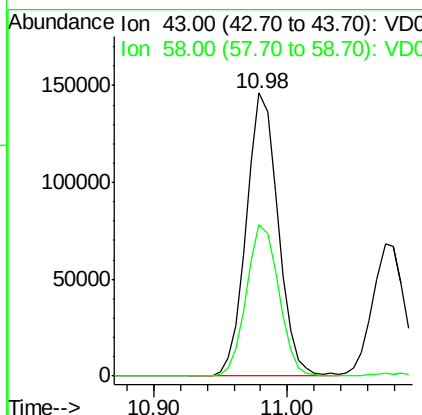
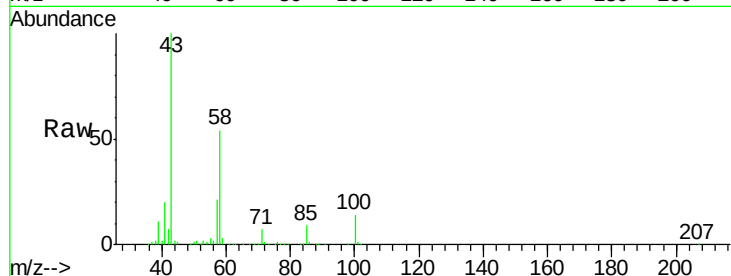
#59
2-Hexanone
Concen: 281.104 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	240590
Ion Ratio	43	100	
Lower	58	54.7	27.8
Upper			83.4

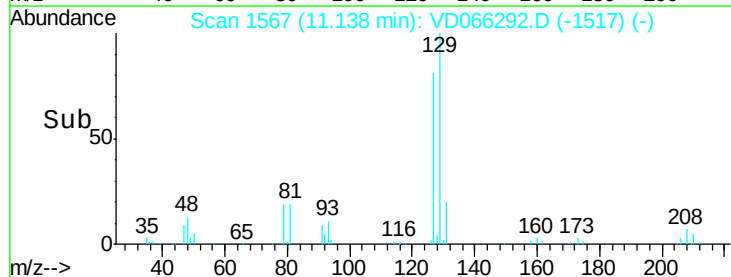
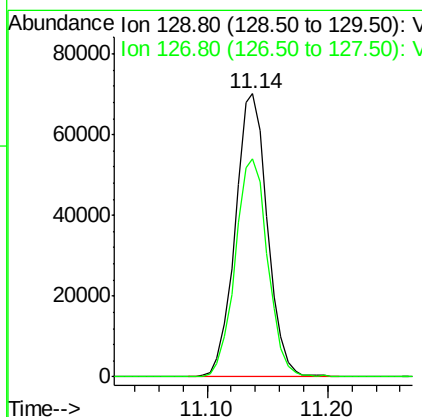
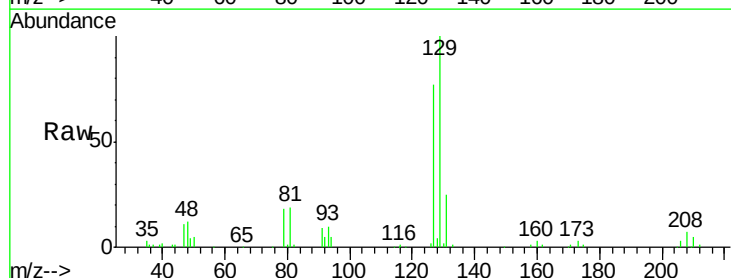
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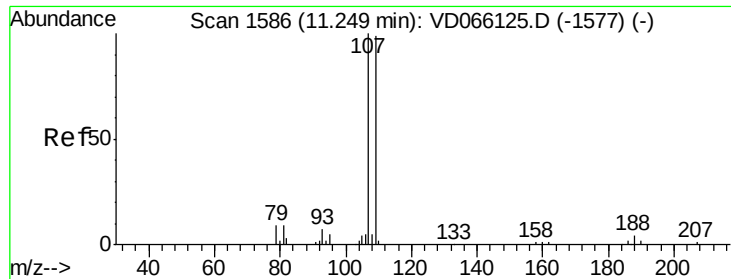
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#60
Dibromochloromethane
Concen: 57.664 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	129	Resp	130290
Ion Ratio	129	100	
Lower	127	77.7	38.0
Upper			114.1





#61

1,2-Dibromoethane

Concen: 56.250 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 88533

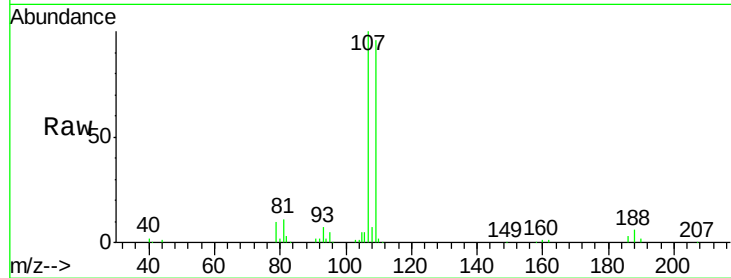
Ion Ratio Lower Upper

107 100

109 95.1 76.5 114.7

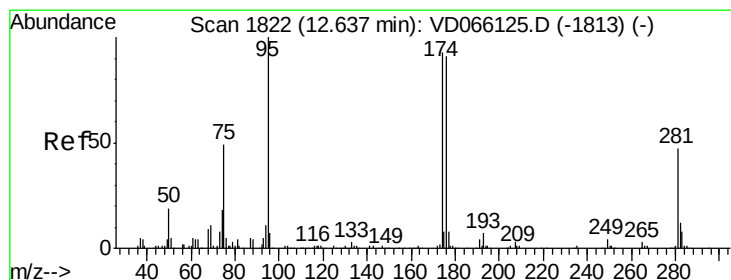
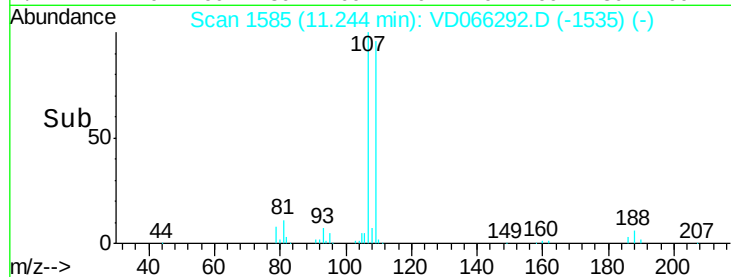
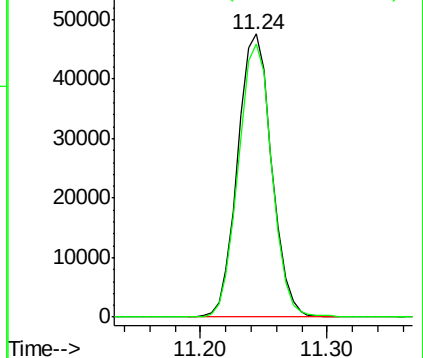
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.121 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

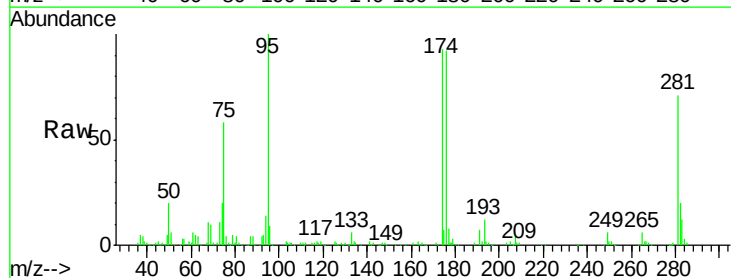
Tgt Ion: 95 Resp: 142145

Ion Ratio Lower Upper

95 100

174 91.5 0.0 180.8

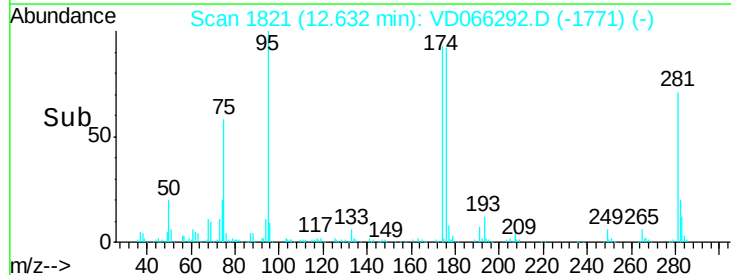
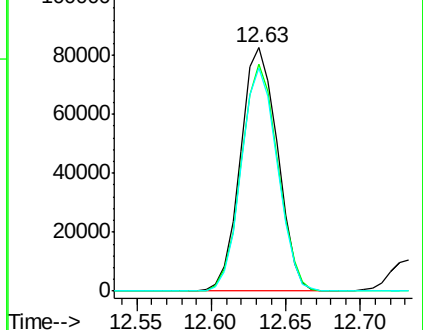
176 89.2 0.0 181.2

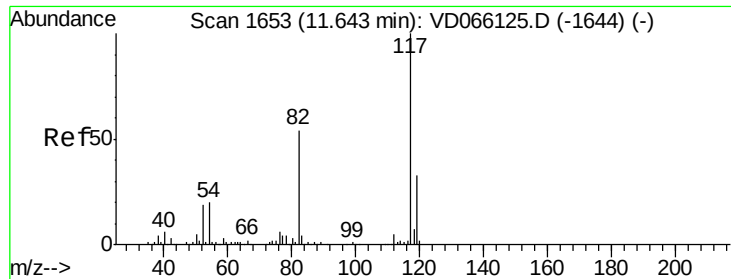


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





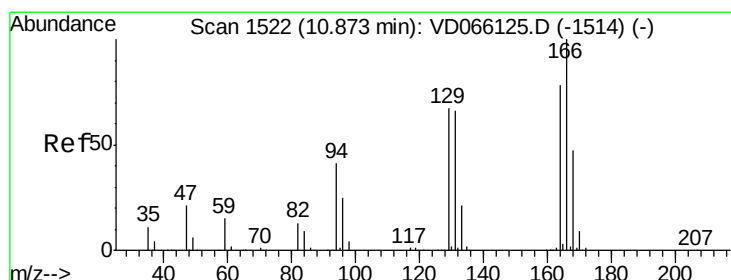
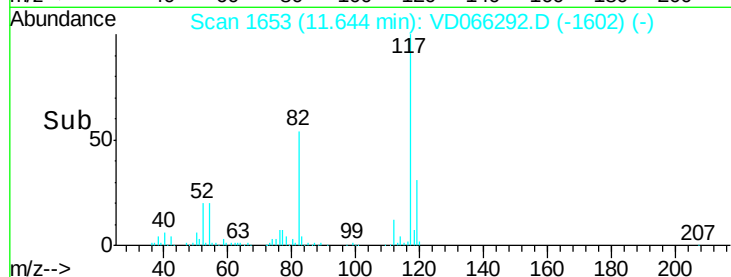
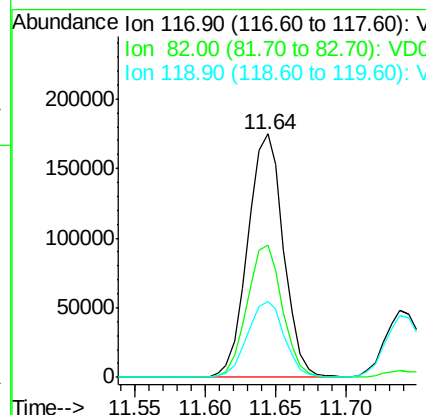
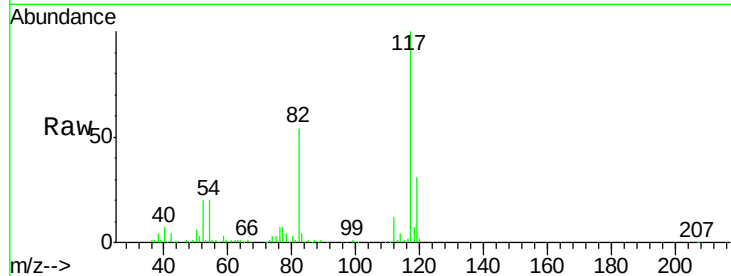
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	310704		
82	54.4	43.0	64.4	
119	31.0	26.1	39.1	

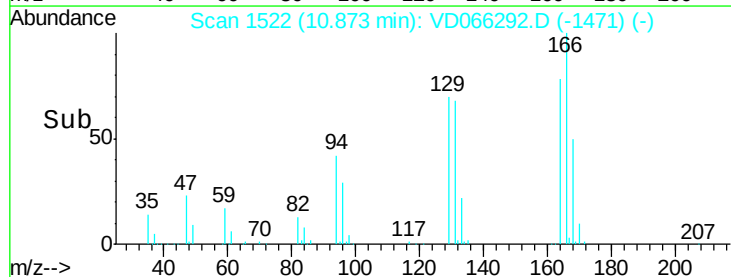
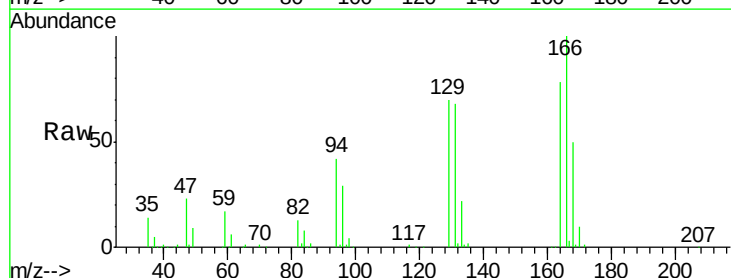
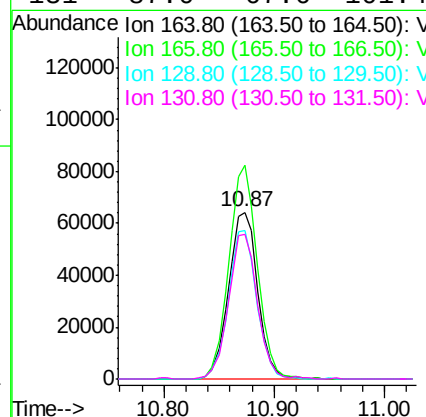
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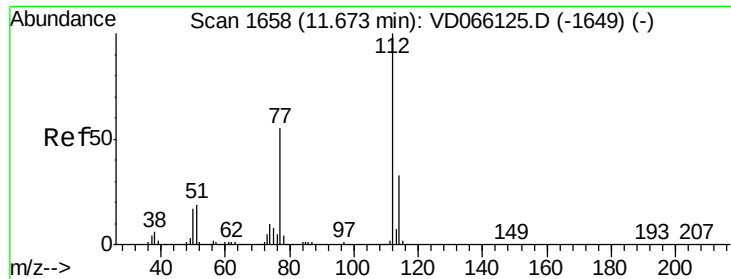
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#64
Tetrachloroethene
Concen: 49.828 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	118882		
166	128.3	101.9	152.9	
129	89.6	68.1	102.1	
131	87.0	67.6	101.4	





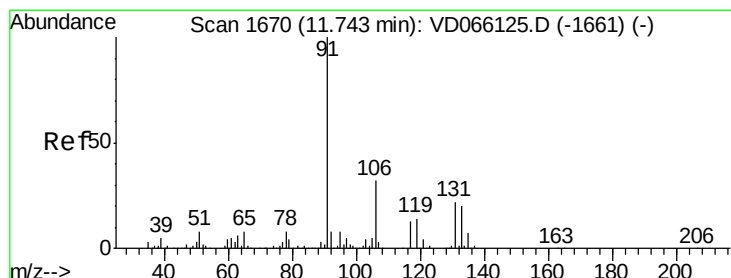
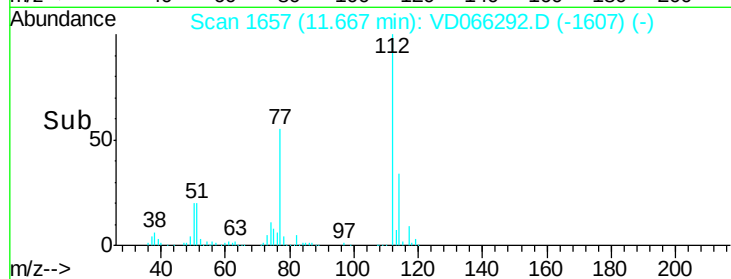
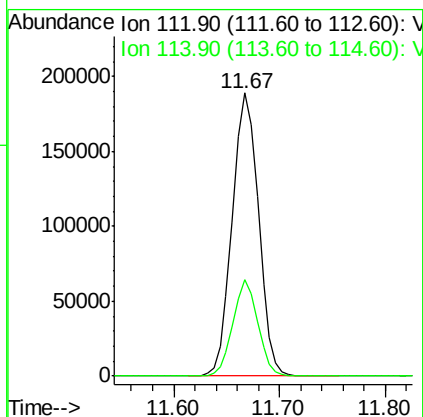
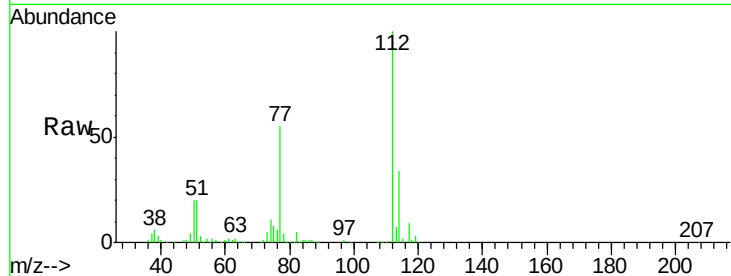
#65
Chlorobenzene
Concen: 51.682 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.0	26.1	39.1

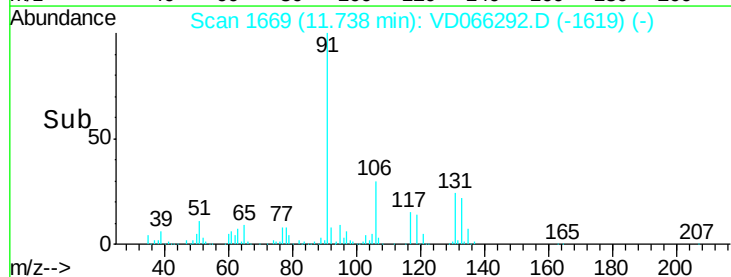
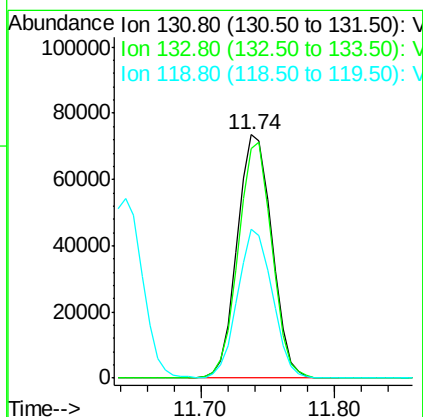
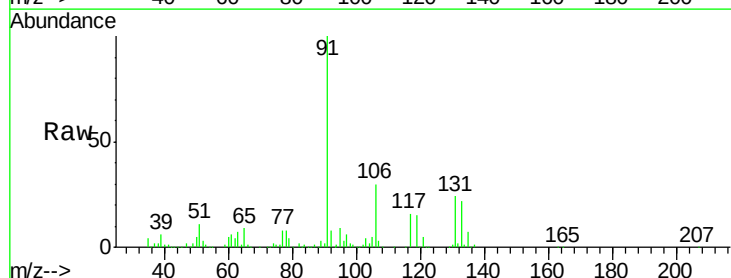
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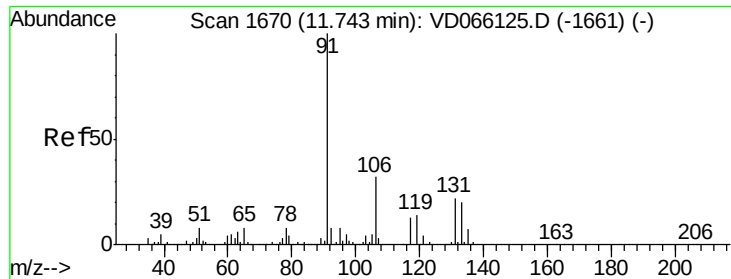
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.815 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.1	141.4
119	61.0	31.6	94.7





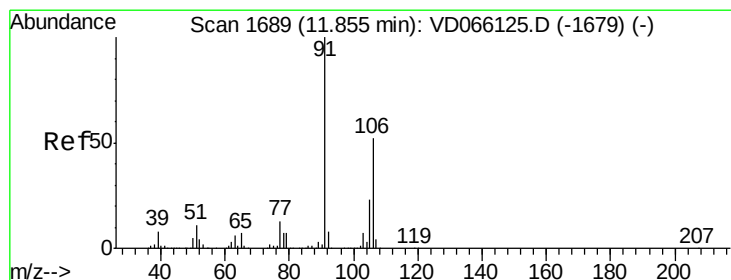
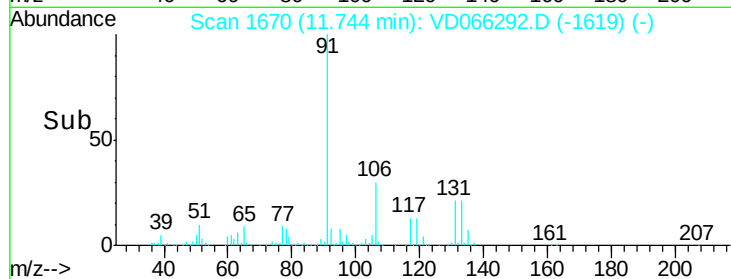
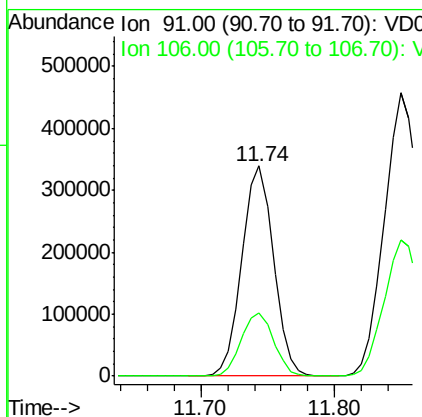
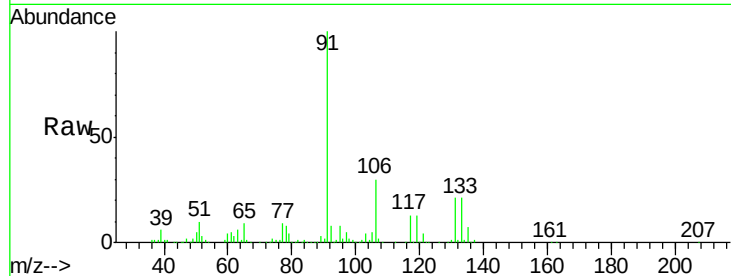
#67
Ethyl Benzene
Concen: 51.137 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.9	25.7	38.5

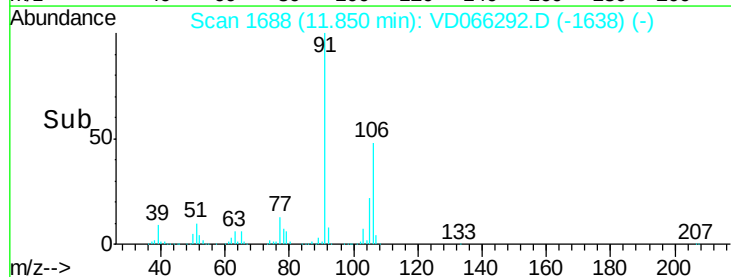
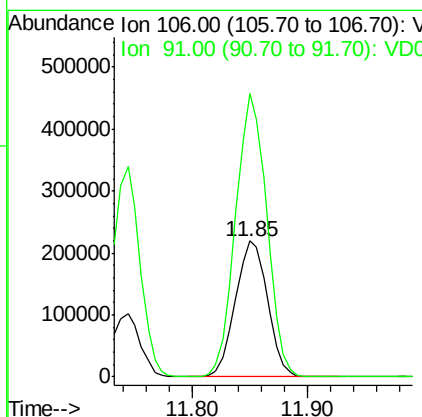
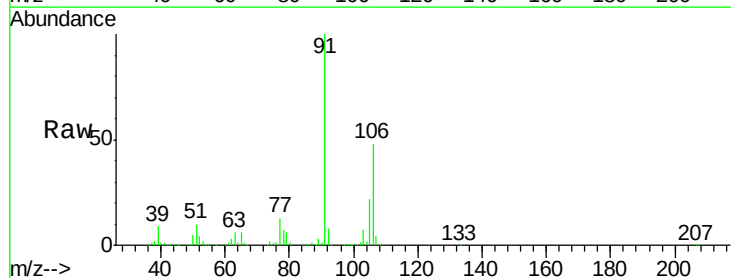
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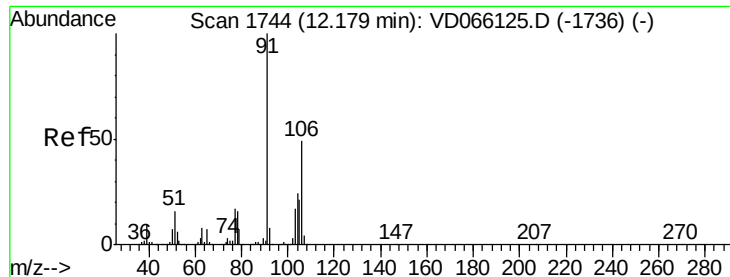
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#68
m/p-Xylenes
Concen: 99.960 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.6	156.6	235.0





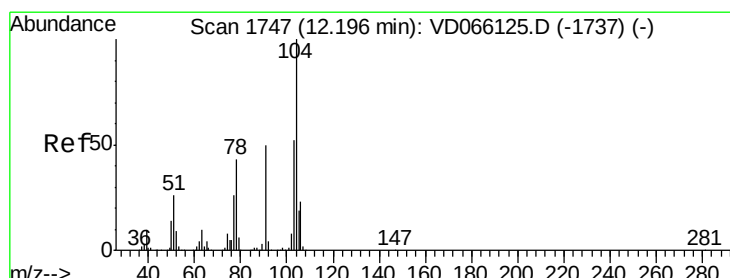
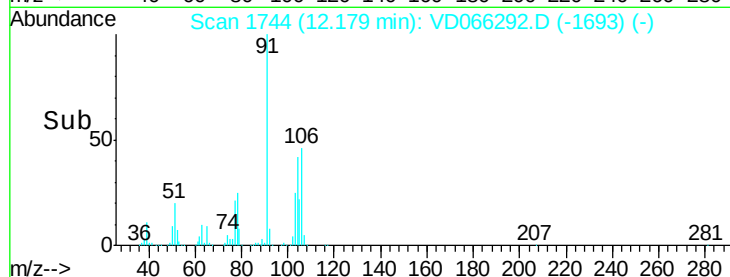
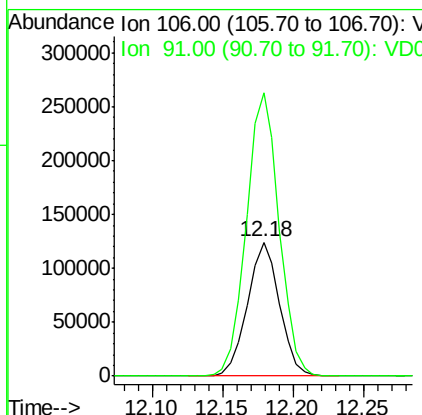
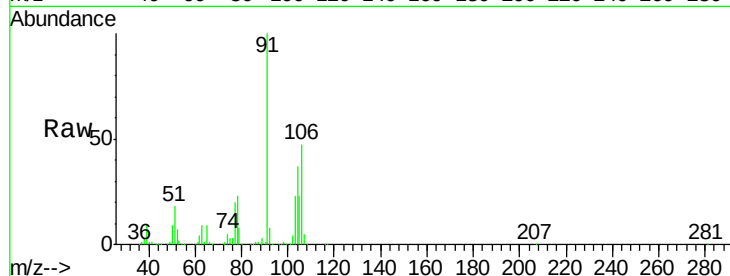
#69
o-Xylene
Concen: 51.541 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		198548		
91	215.1	105.7	317.1		

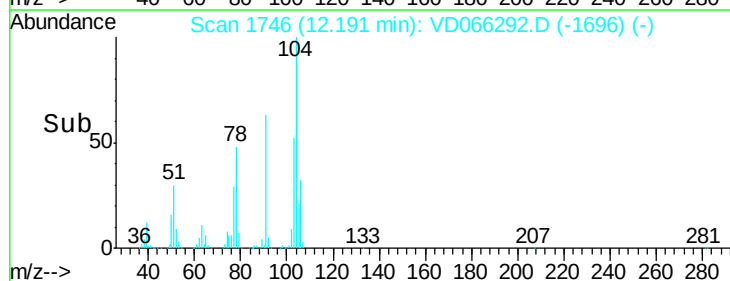
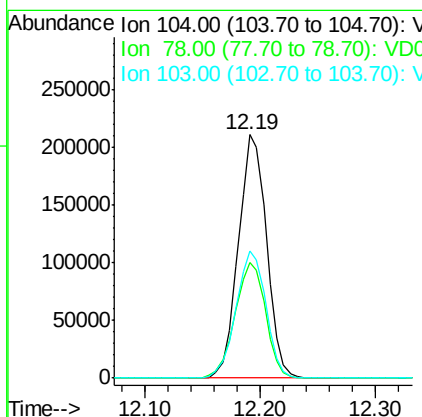
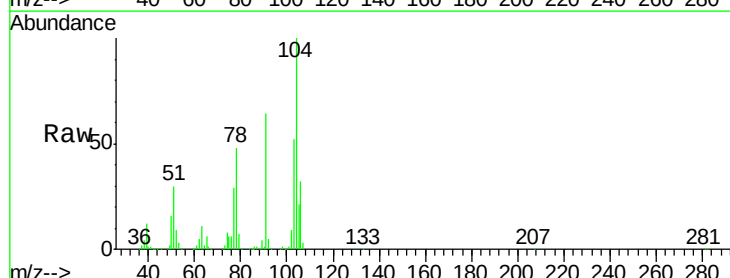
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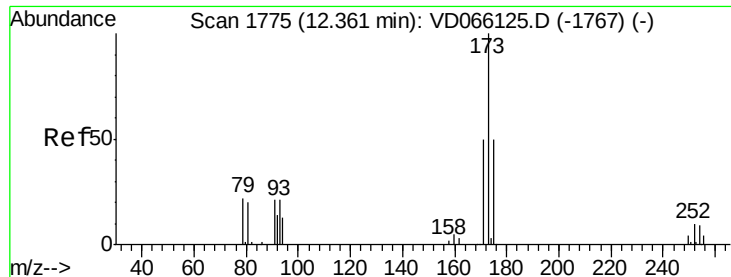
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#70
Styrene
Concen: 52.867 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		356917		
78	51.4	38.6	58.0		
103	55.5	44.1	66.1		





#71

Bromoform

Concen: 57.153 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 83568

Ion Ratio Lower Upper

173 100

175 49.5 24.6 73.6

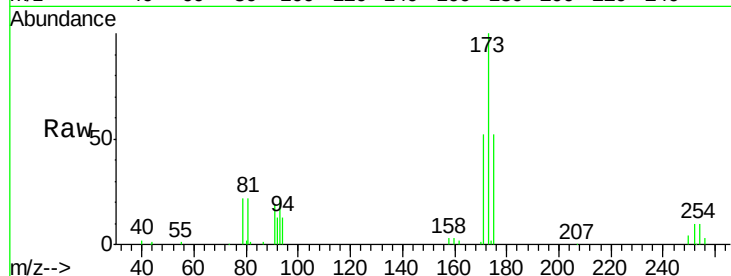
254 0.0 0.2 0.2#

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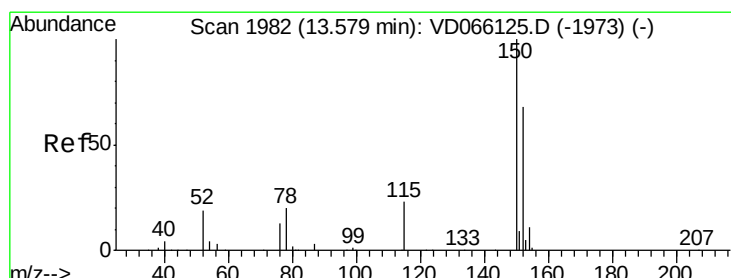
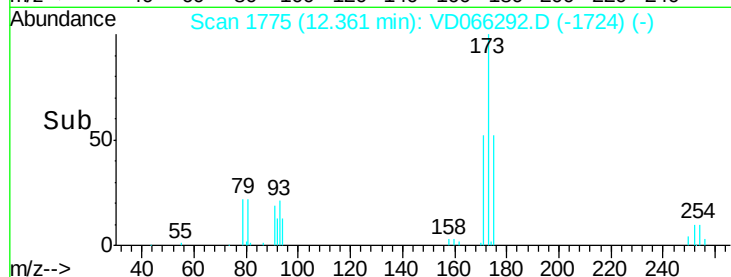
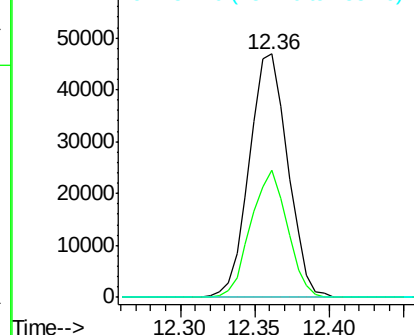
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

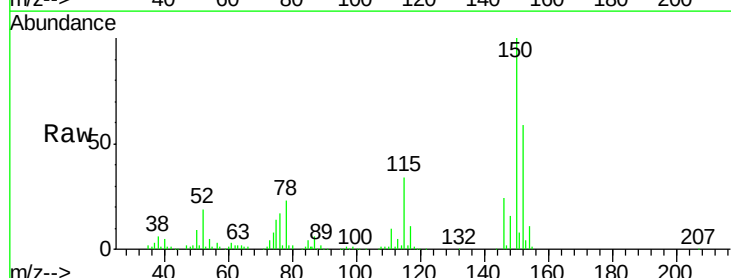
Tgt Ion:152 Resp: 161657

Ion Ratio Lower Upper

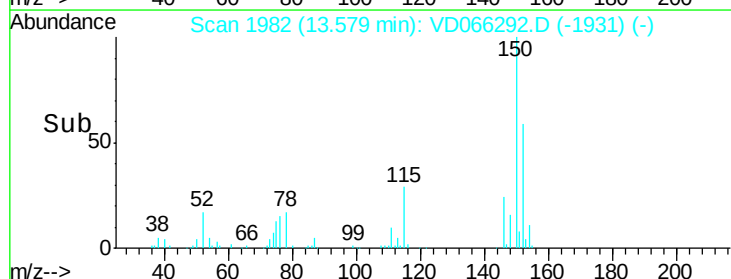
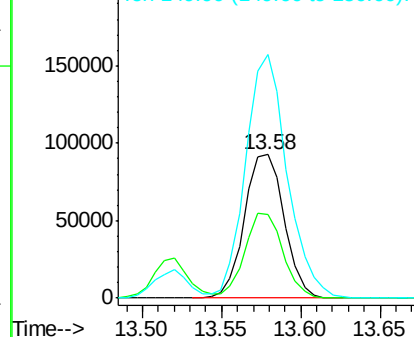
152 100

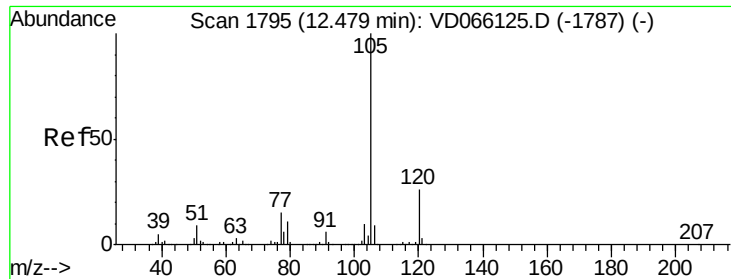
115 56.5 28.0 83.9

150 177.5 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.348 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 554097

Ion Ratio Lower Upper

105 100

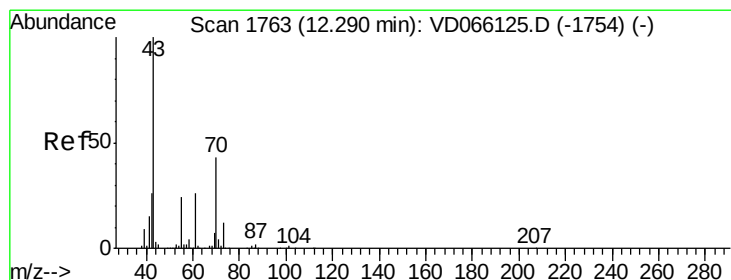
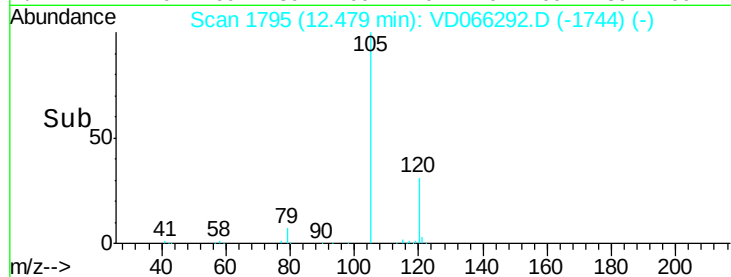
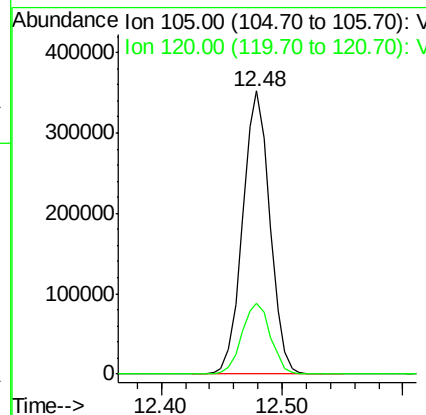
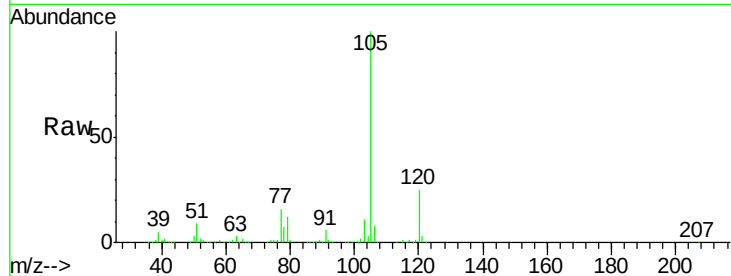
120 26.3 13.3 39.9

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#74

N-ethyl acetate

Concen: 52.424 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Tgt Ion: 43 Resp: 124573

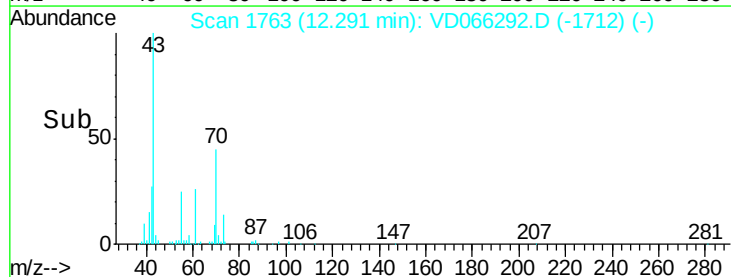
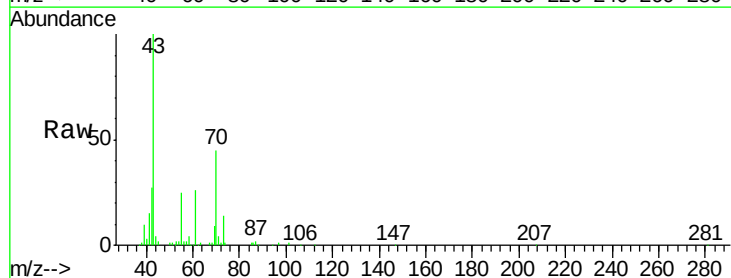
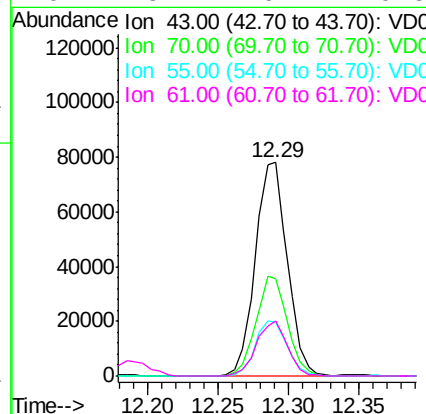
Ion Ratio Lower Upper

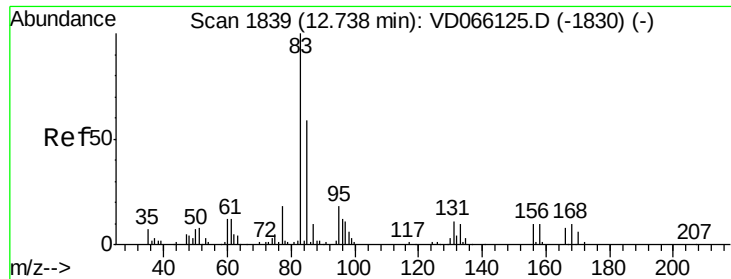
43 100

70 45.7 34.9 52.3

55 25.7 19.2 28.8

61 25.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 54.663 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

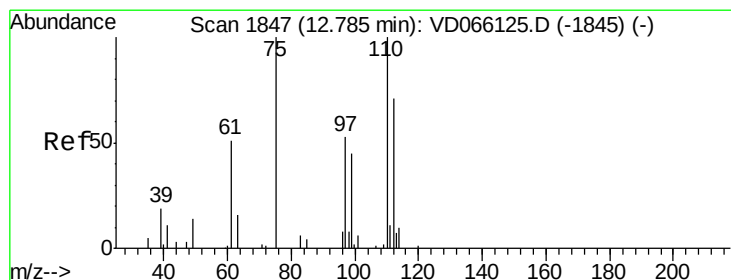
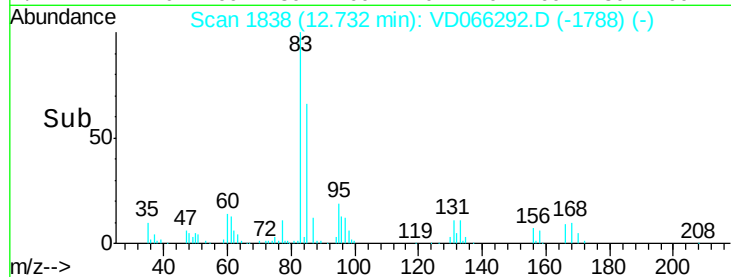
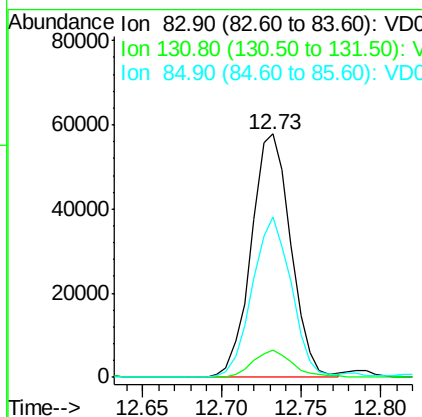
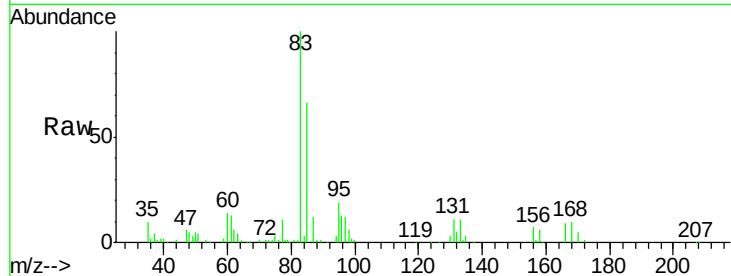
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	100582
Ion Ratio	Lower	Upper	
83	100		
131	11.3	6.2	18.6
85	64.9	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.832 ug/l m

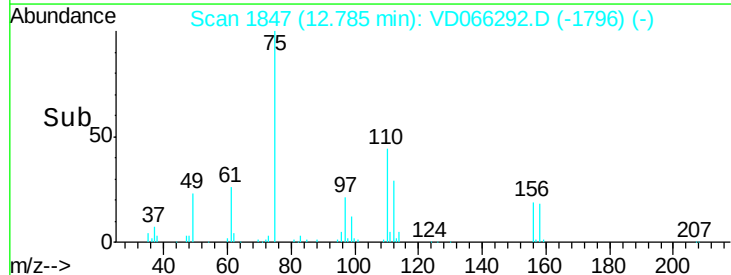
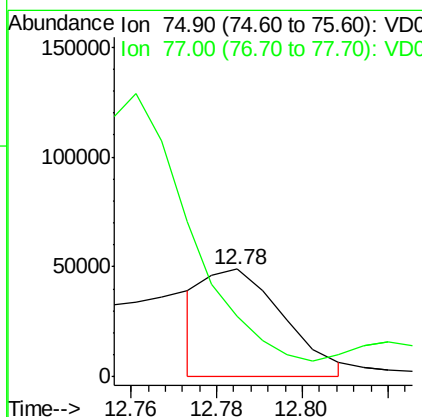
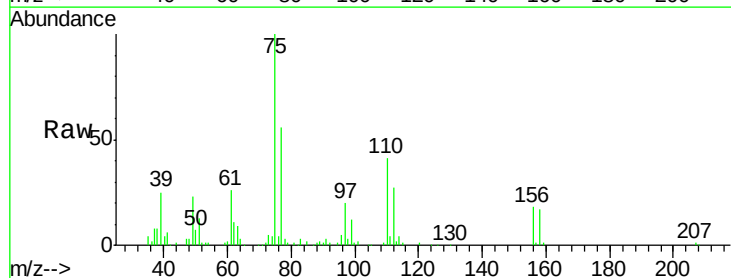
RT: 12.78 min Scan# 1847

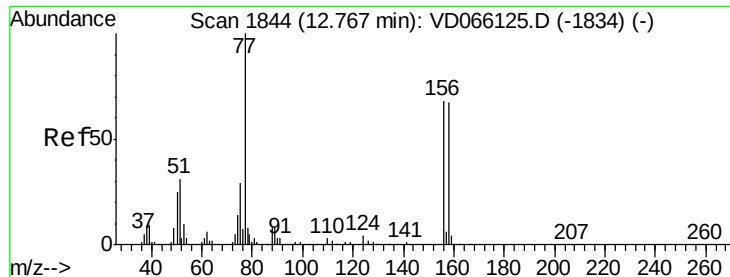
Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Tgt Ion:	75	Resp:	63135
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.139 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

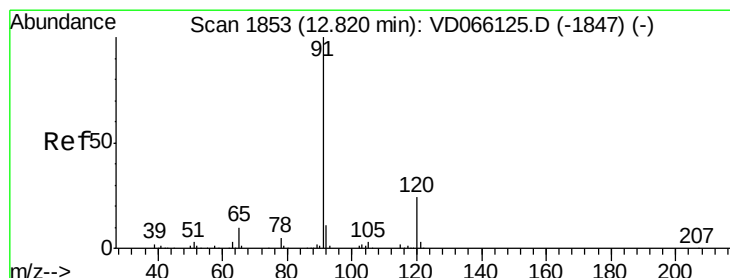
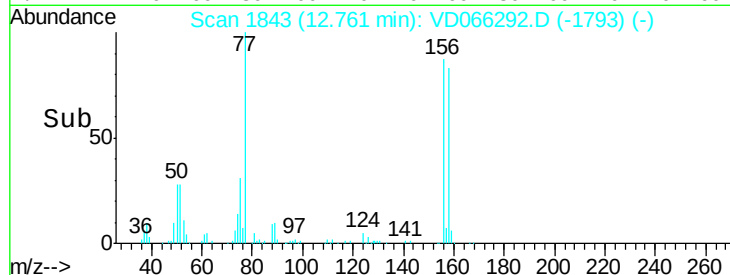
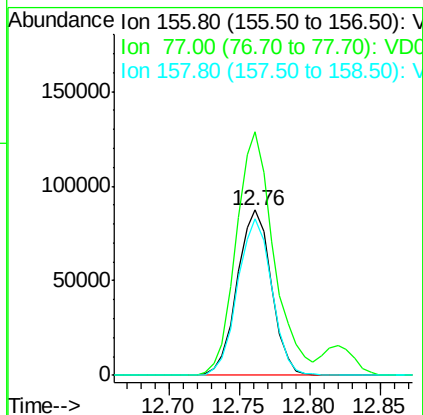
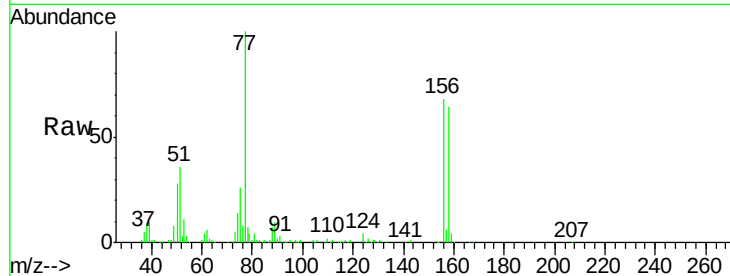
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	147611
Ion Ratio	Lower	Upper	
156	100		
77	163.1	81.0	243.1
158	95.1	48.8	146.3

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#78

n-propylbenzene

Concen: 50.014 ug/l

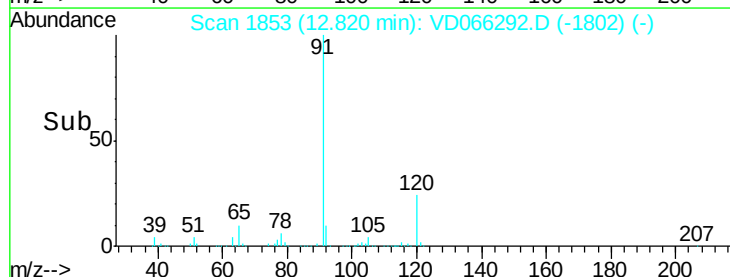
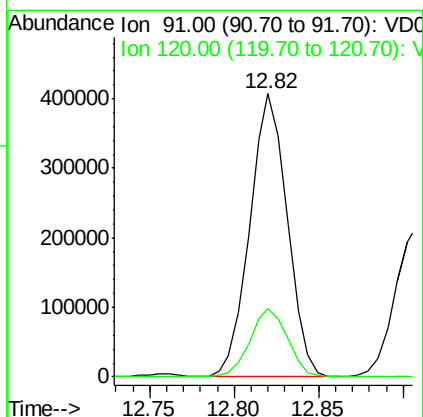
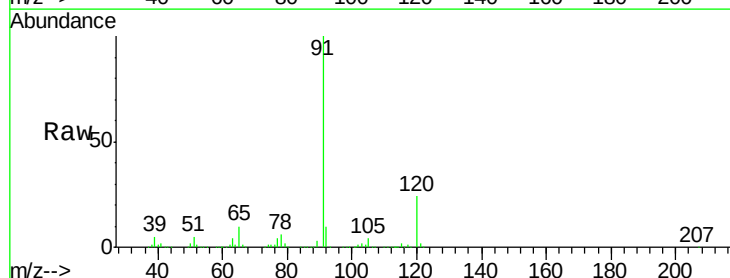
RT: 12.82 min Scan# 1853

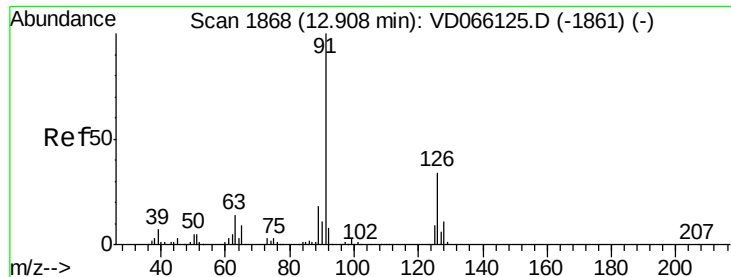
Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Tgt Ion:	91	Resp:	627367
Ion Ratio	Lower	Upper	
91	100		
120	23.9	12.0	36.0





#79

2-Chlorotoluene

Concen: 51.418 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 368885

Ion Ratio Lower Upper

91 100

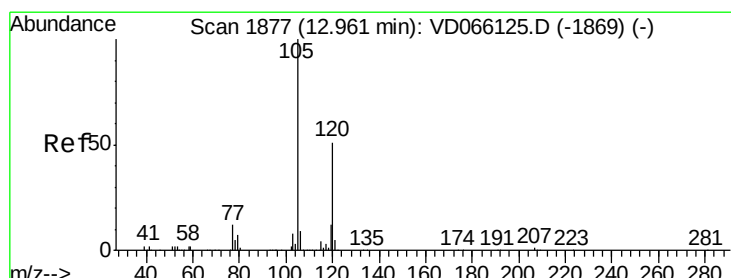
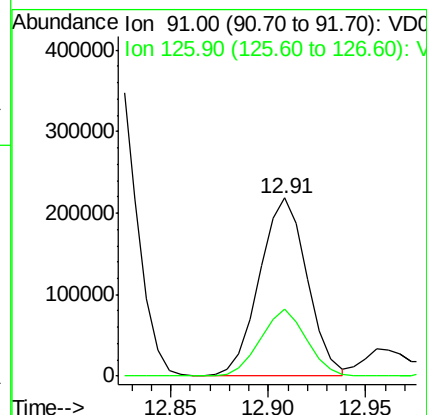
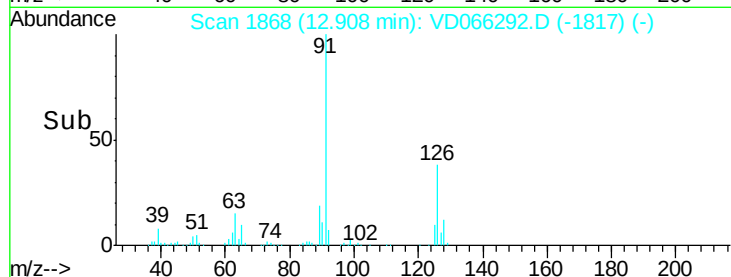
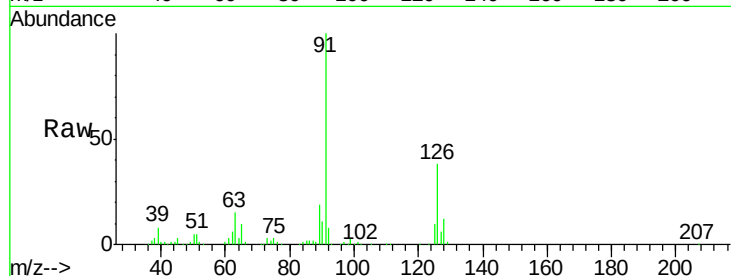
126 36.4 17.5 52.6

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#80

1,3,5-Trimethylbenzene

Concen: 52.453 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066292.D

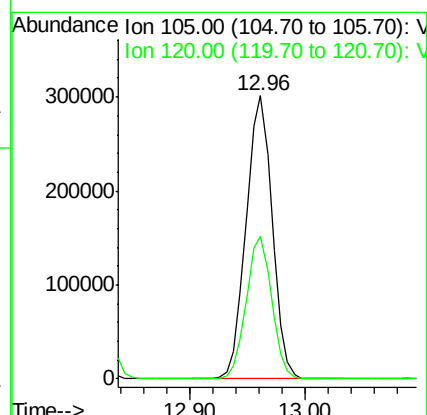
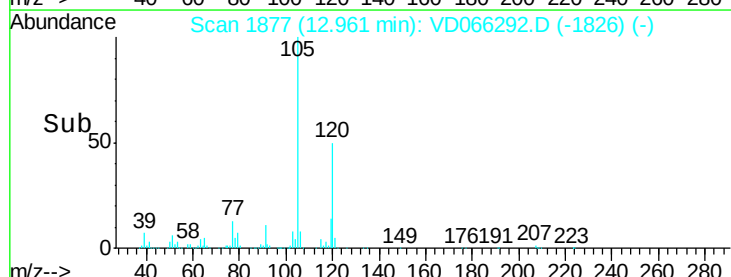
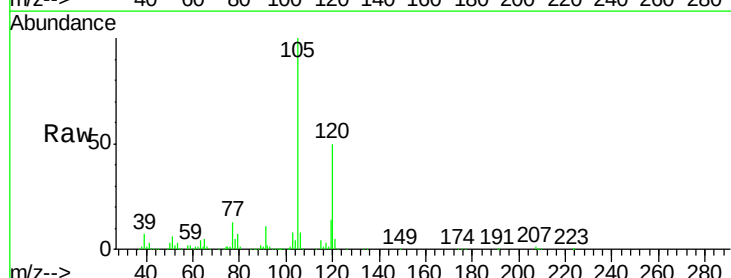
Acq: 18 Aug 2020 21:42

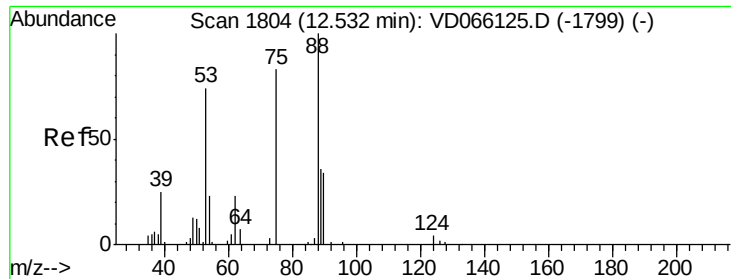
Tgt Ion: 105 Resp: 473371

Ion Ratio Lower Upper

105 100

120 49.3 25.3 75.8





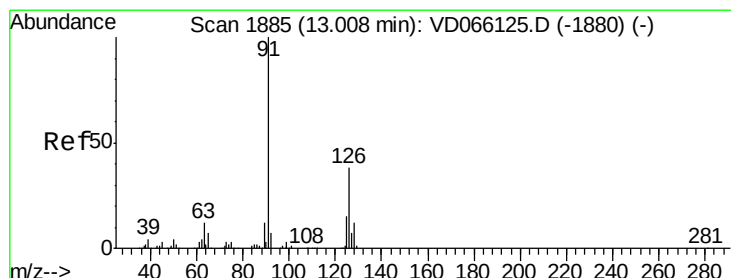
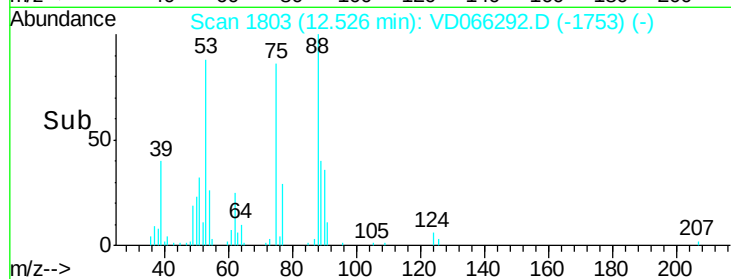
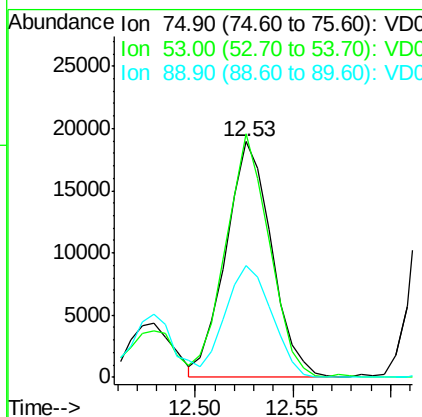
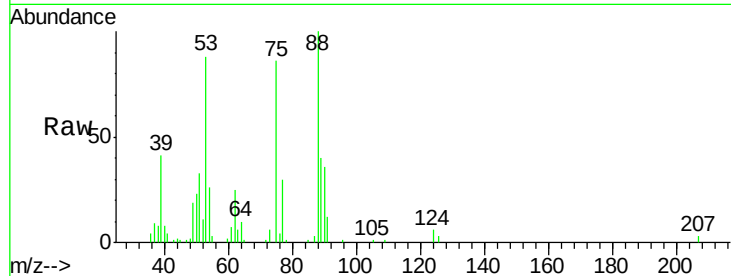
#81
trans-1,4-Dichloro-2-butene
Concen: 50.529 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.2	73.4	110.2
89	47.8	36.6	55.0

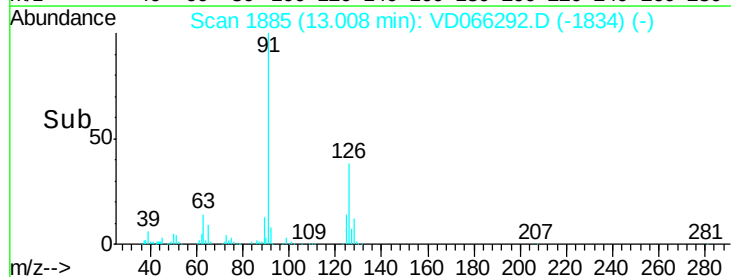
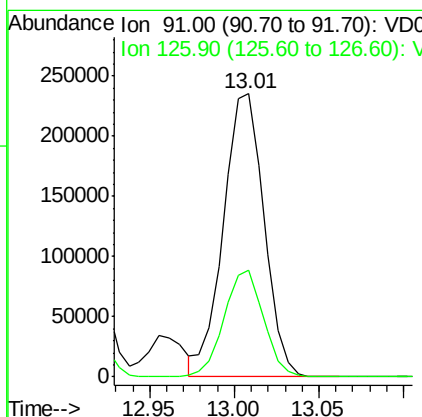
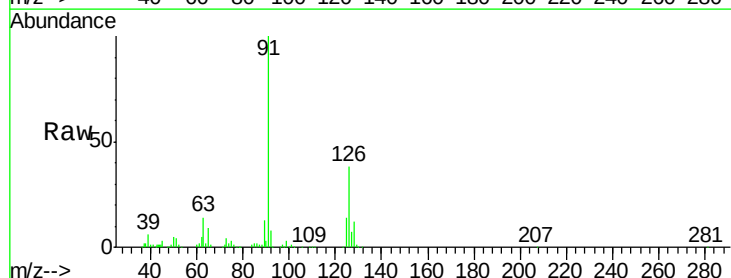
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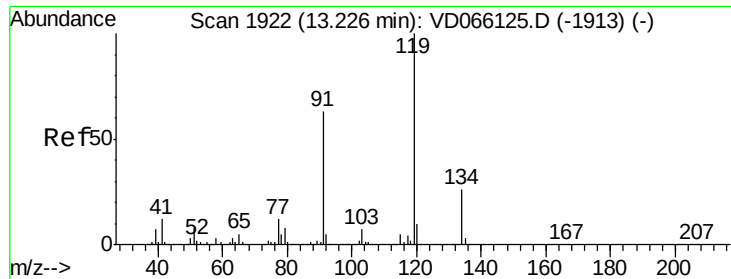
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#82
4-Chlorotoluene
Concen: 52.213 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.8	53.3





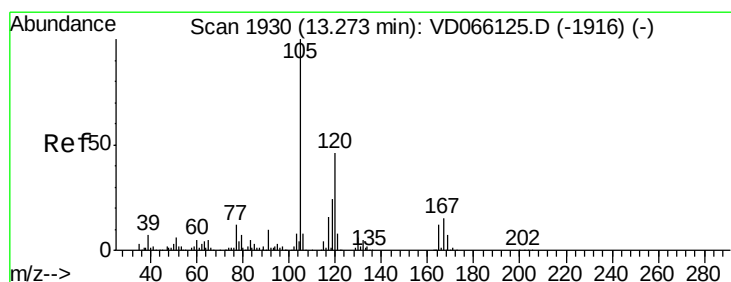
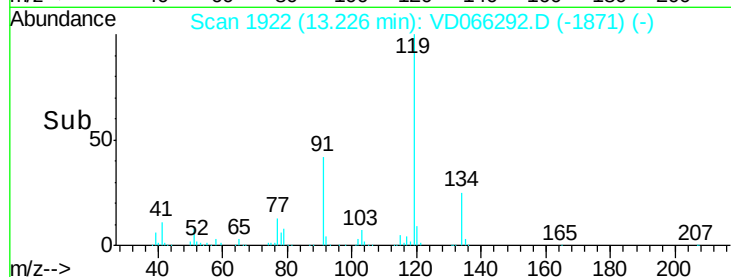
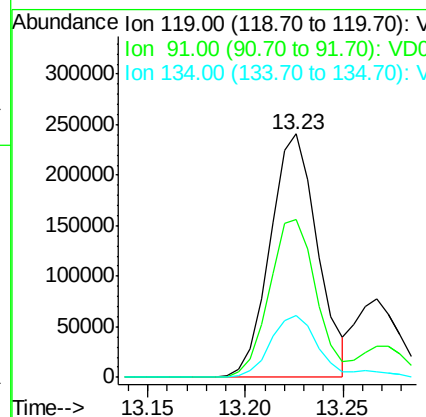
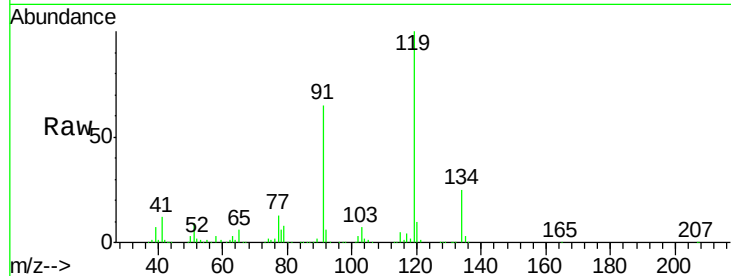
#83
 tert-Butylbenzene
 Concen: 51.030 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	30.8	92.4
134	25.2	13.6	40.8

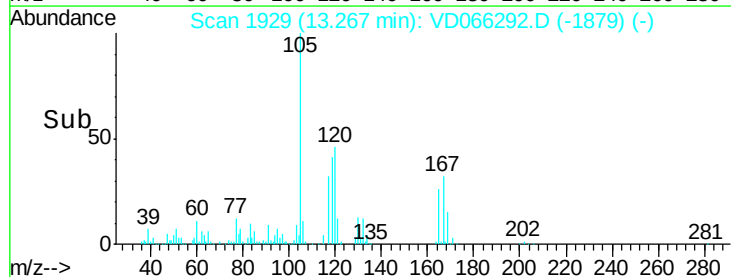
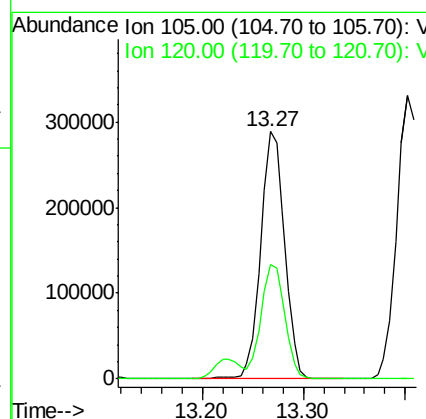
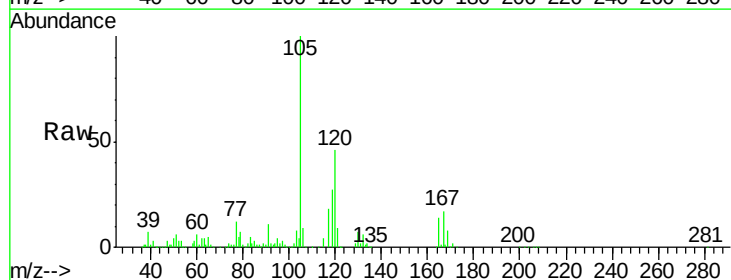
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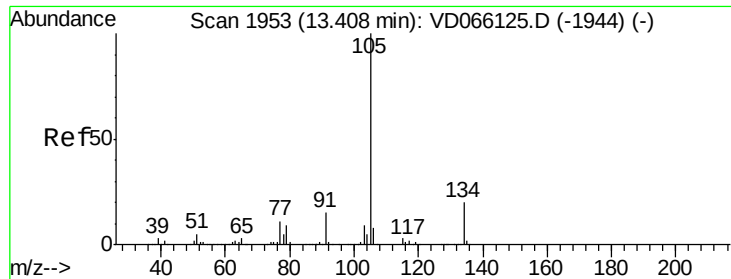
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.351 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.1	69.2





#85

sec-Butylbenzene

Concen: 49.677 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 532306

Ion Ratio Lower Upper

105 100

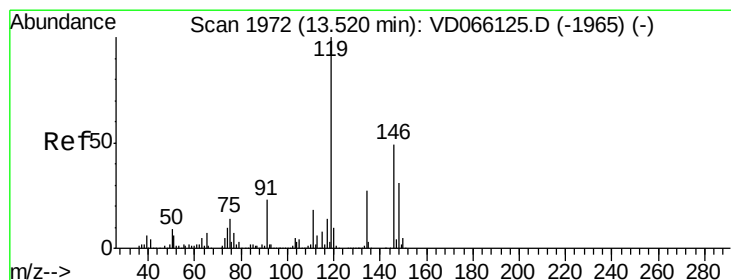
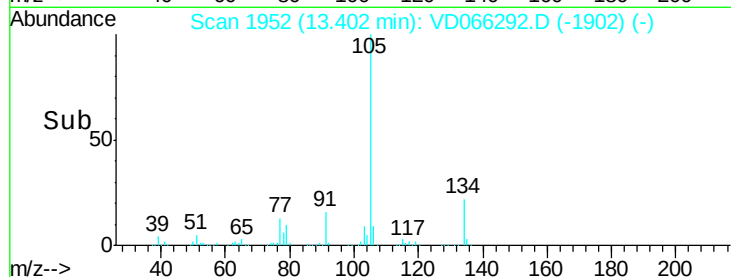
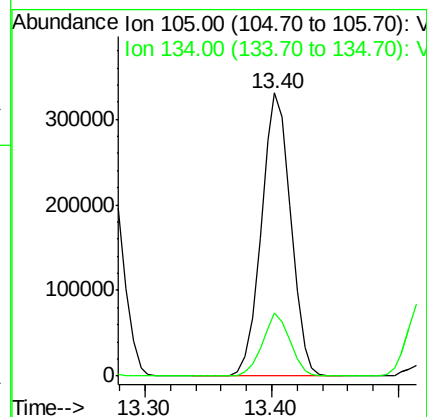
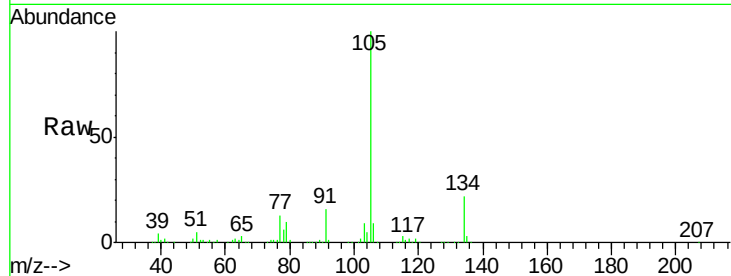
134 21.1 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 50.909 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

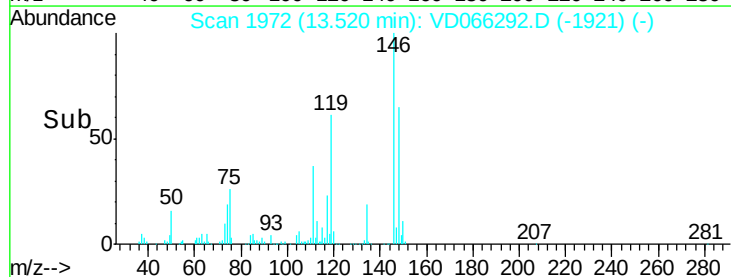
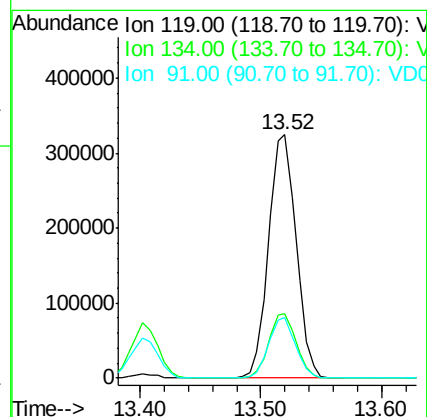
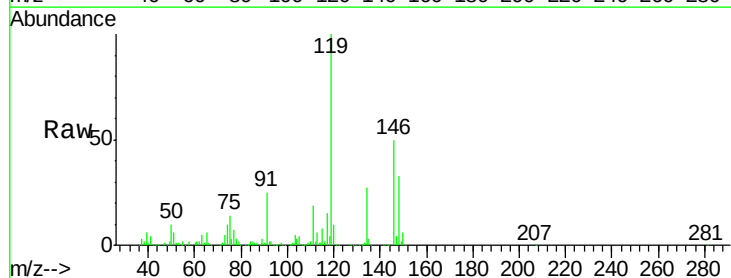
Tgt Ion:119 Resp: 511636

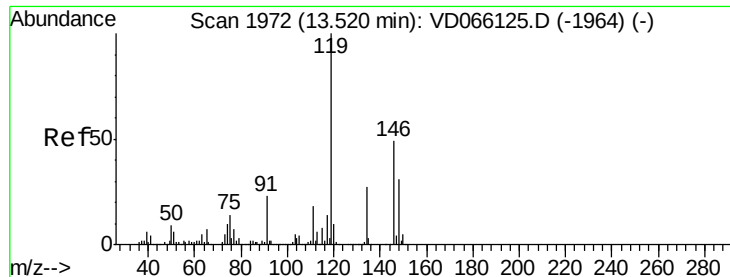
Ion Ratio Lower Upper

119 100

134 26.4 13.5 40.4

91 24.1 11.2 33.5





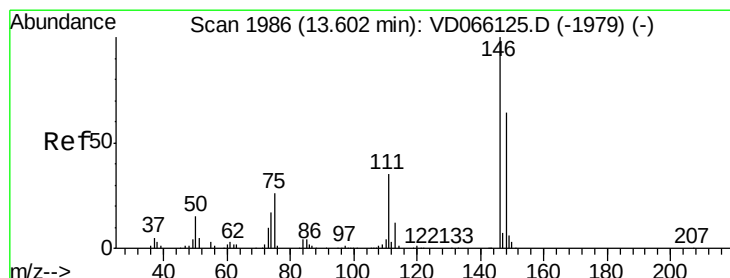
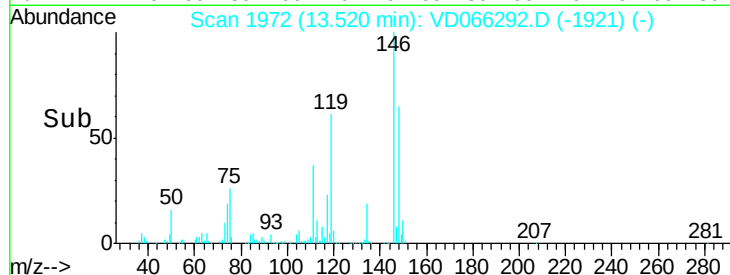
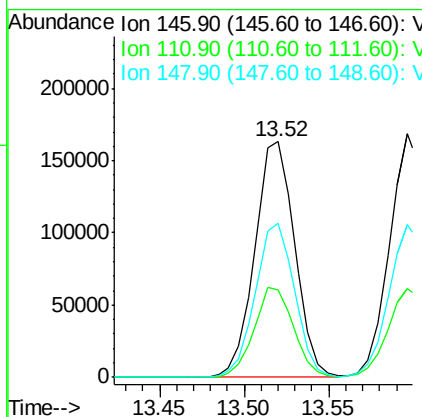
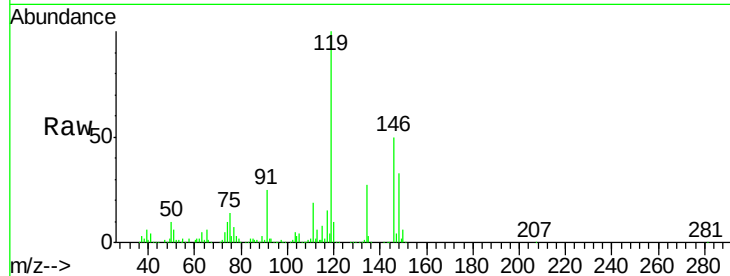
#87
 1,3-Dichlorobenzene
 Concen: 51.407 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.9
148	64.4	31.8	95.3

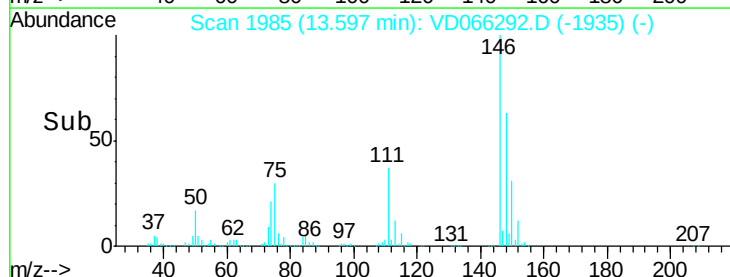
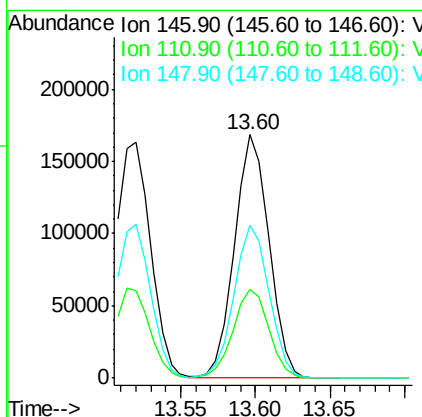
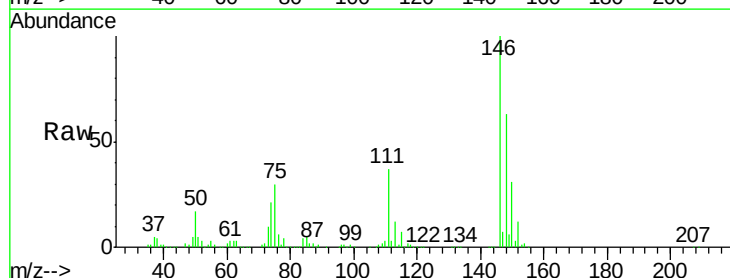
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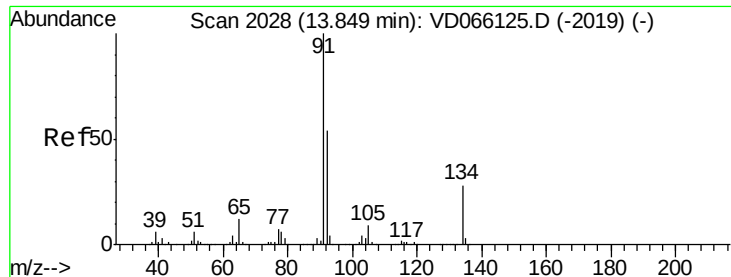
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#88
 1,4-Dichlorobenzene
 Concen: 52.123 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	63.9	32.4	97.0





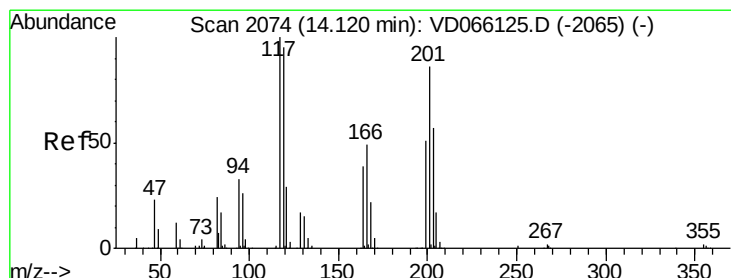
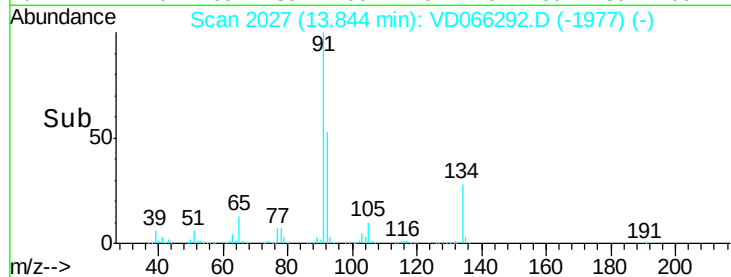
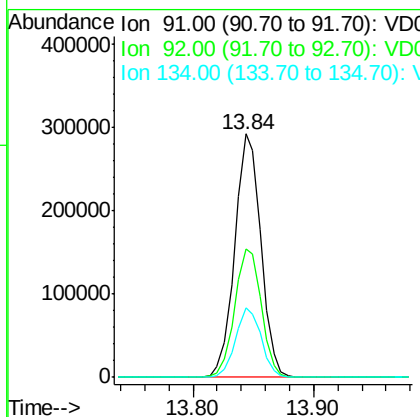
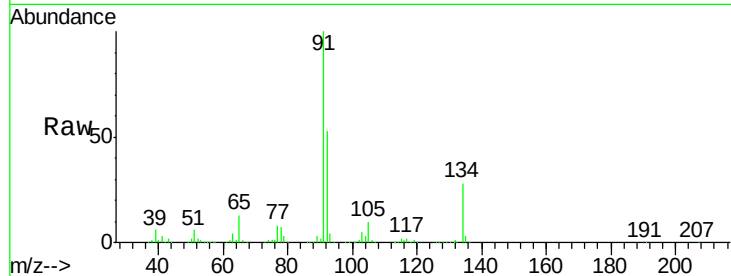
#89
n-Butylbenzene
Concen: 48.991 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	441138		
92	53.9	26.8	80.3	
134	28.0	14.0	41.9	

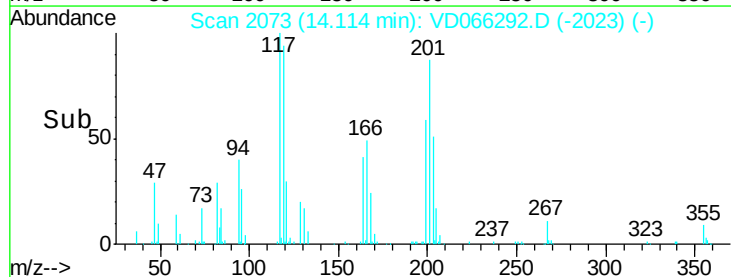
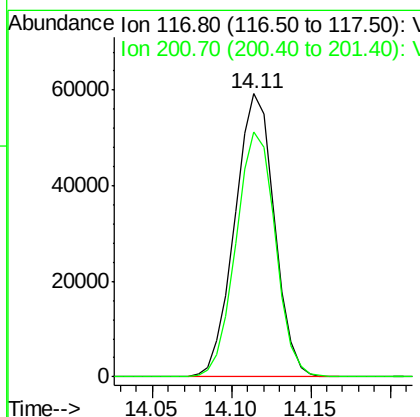
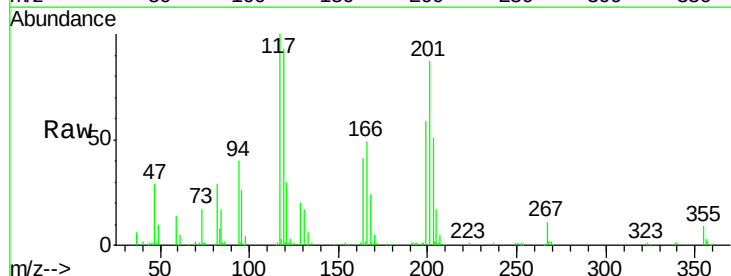
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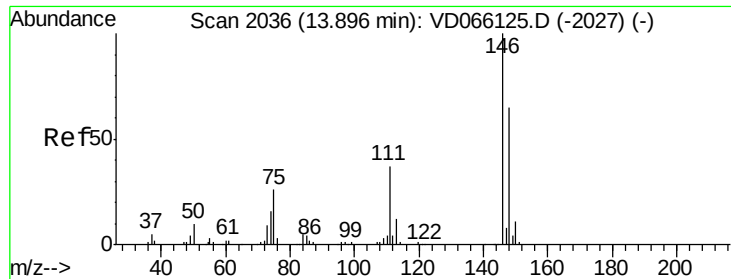
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#90
Hexachloroethane
Concen: 51.318 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066292.D
Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	102862		
201	85.9	42.7	128.1	





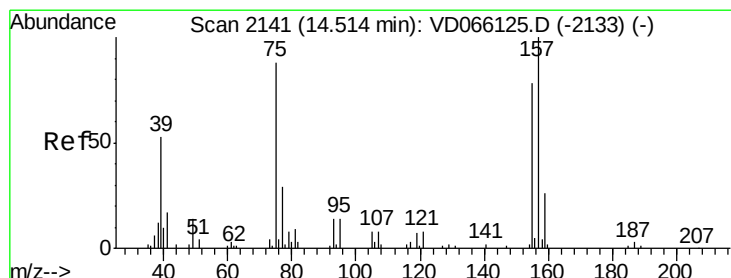
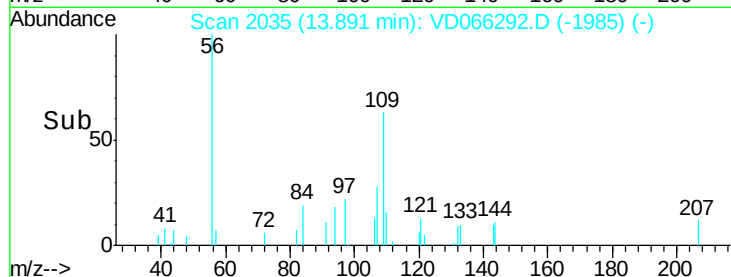
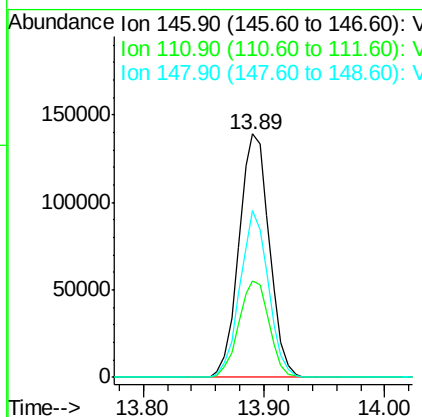
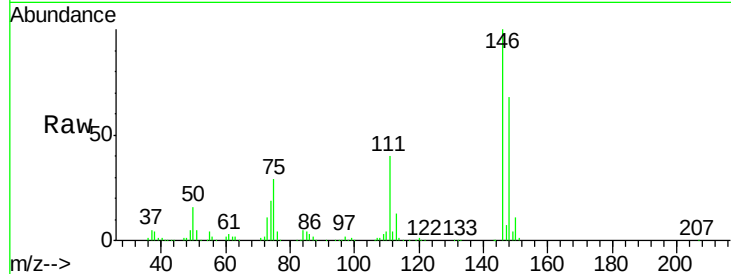
#91
 1,2-Dichlorobenzene
 Concen: 52.818 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	243867		
111	39.7	18.8	56.3	
148	64.1	31.9	95.5	

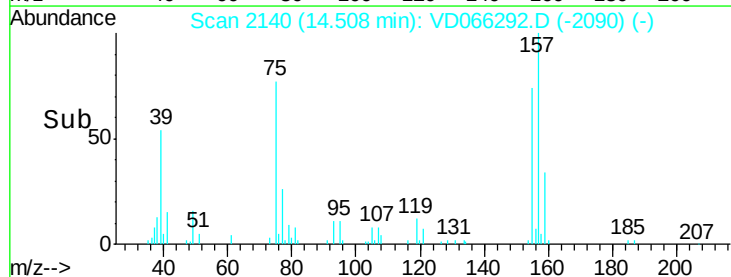
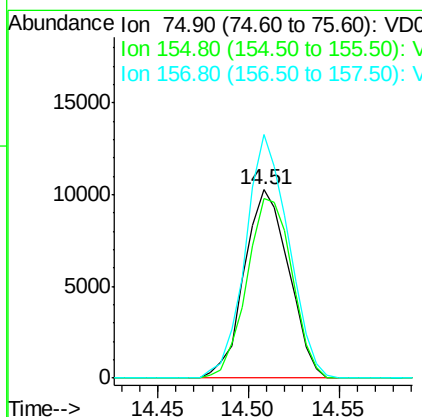
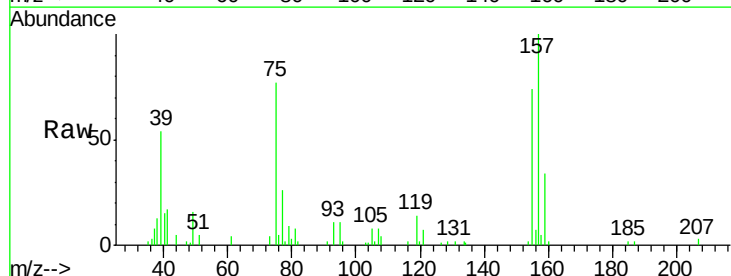
Manual Integrations
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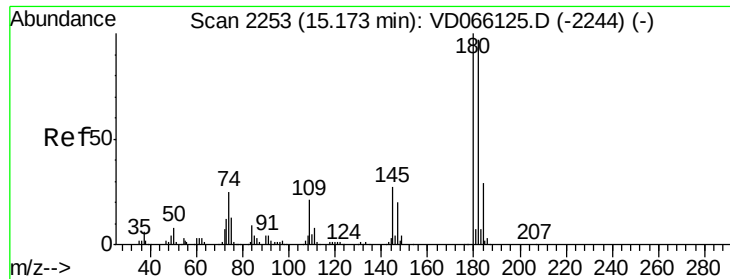
MMDadoda
 8/19/2020 5:23:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.552 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17568		
155	96.1	47.7	143.1	
157	124.6	62.1	186.2	





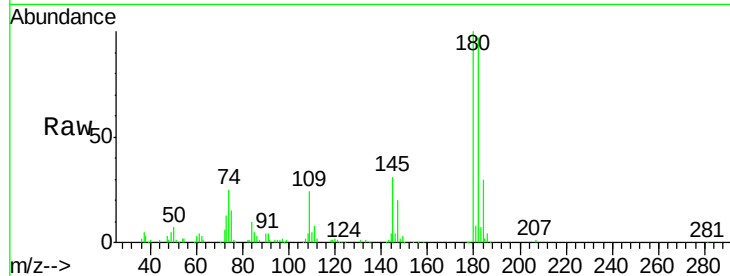
#93
 1,2,4-Trichlorobenzene
 Concen: 52.419 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

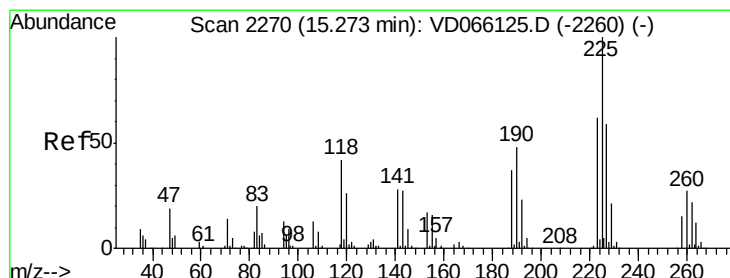
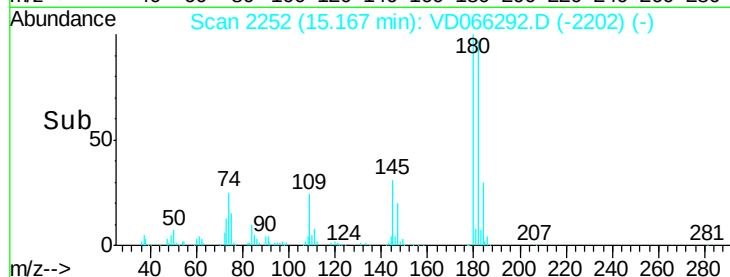
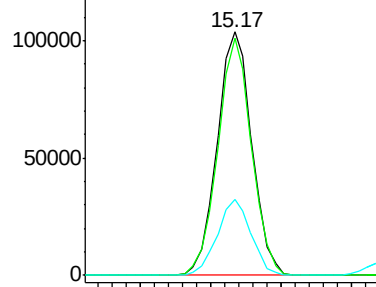
Tot Ion	Ratio	Resp	Lower	Upper
180	100	178358		
182	94.9	47.4	142.2	
145	30.4	14.5	43.6	

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:30 PM

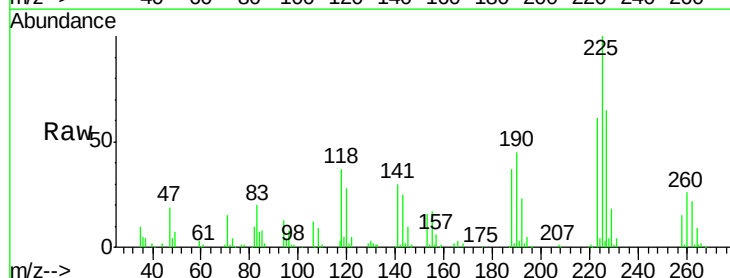


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

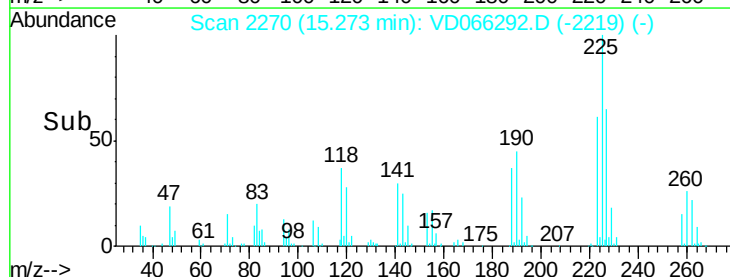
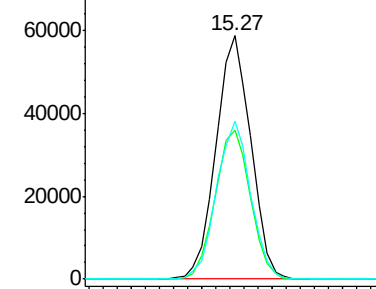


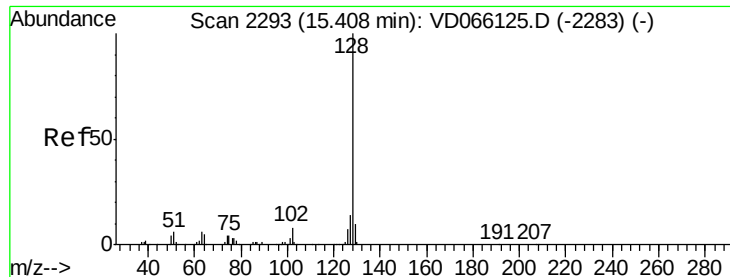
#94
 Hexachlorobutadiene
 Concen: 50.634 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066292.D
 Acq: 18 Aug 2020 21:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101452		
223	62.1	32.3	96.9	
227	63.8	32.1	96.5	



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





#95

Naphthalene

Concen: 58.997 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Instrument :

MSVOA_D

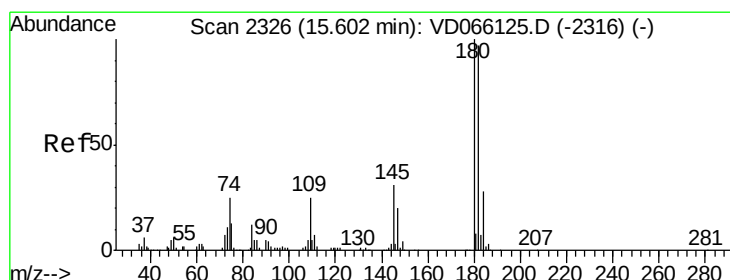
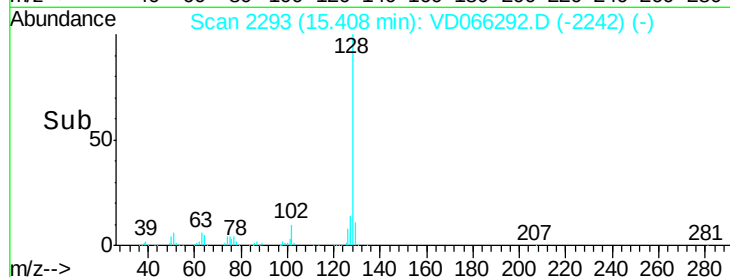
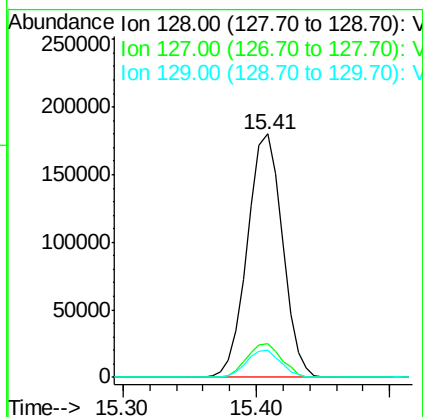
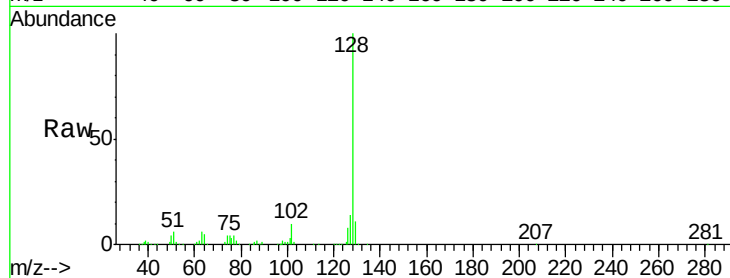
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	327086
Ion Ratio	Lower	Upper	
128	100		
127	13.7	11.0	16.4
129	10.9	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/19/2020 5:23:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.467 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066292.D

Acq: 18 Aug 2020 21:42

Tgt Ion:	180	Resp:	163601
Ion Ratio	Lower	Upper	
180	100		
182	95.0	47.1	141.4
145	31.3	14.9	44.9

