

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082720\
 Data File : VD066429.D
 Acq On : 27 Aug 2020 11:37
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 8/28/2020 3:18:58 PM

Quant Time: Aug 27 18:03:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	181487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	240854	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	220047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	116824	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	102080	57.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.74%	
35) Dibromofluoromethane	7.91	113	79764	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	10.34	98	301182	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
62) 4-Bromofluorobenzene	12.63	95	106176	54.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	73359	47.546	ug/l	99
3) Chloromethane	2.21	50	45020	41.164	ug/l	98
4) Vinyl Chloride	2.35	62	56321	47.964	ug/l	95
5) Bromomethane	2.76	94	48352	55.052	ug/l	100
6) Chloroethane	2.91	64	36646	48.738	ug/l	97
7) Trichlorofluoromethane	3.27	101	170687	53.455	ug/l	98
8) Diethyl Ether	3.70	74	33870	47.342	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	76414	48.492	ug/l	95
10) Methyl Iodide	4.30	142	75456	41.984	ug/l	90
11) Tert butyl alcohol	5.23	59	33301	342.795	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	68902	46.581	ug/l	97
13) Acrolein	3.91	56	16639	210.589	ug/l	99
14) Allyl chloride	4.71	41	85831	43.474	ug/l	87
15) Acrylonitrile	5.42	53	64886	226.047	ug/l	96
16) Acetone	4.16	43	90885	283.327	ug/l	94
17) Carbon Disulfide	4.40	76	202353	45.140	ug/l	100
18) Methyl Acetate	4.71	43	26119	43.383	ug/l	92
19) Methyl tert-butyl Ether	5.47	73	181385	50.926	ug/l	95
20) Methylene Chloride	4.97	84	77176	44.301	ug/l #	90
21) trans-1,2-Dichloroethene	5.47	96	81827	47.523	ug/l	96
22) Diisopropyl ether	6.36	45	165673	43.341	ug/l	95
23) Vinyl Acetate	6.30	43	550202	232.506	ug/l	98
24) 1,1-Dichloroethane	6.26	63	126619	46.873	ug/l	99
25) 2-Butanone	7.21	43	85367	234.420	ug/l	96
26) 2,2-Dichloropropane	7.20	77	156613	54.093	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	88274	47.846	ug/l	99
28) Bromochloromethane	7.54	49	42833	46.033	ug/l	91
29) Tetrahydrofuran	7.56	42	44844	216.806	ug/l	92
30) Chloroform	7.71	83	155224	49.665	ug/l	99
31) Cyclohexane	7.98	56	101016	40.888	ug/l	90
32) 1,1,1-Trichloroethane	7.90	97	172332	53.875	ug/l	99
36) 1,1-Dichloropropene	8.11	75	114264	51.994	ug/l	99
37) Ethyl Acetate	7.29	43	38265	51.194	ug/l #	94
38) Carbon Tetrachloride	8.09	117	170948	59.706	ug/l	96

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Quant Time: Aug 27 18:03:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	135131	52.199	ug/l	96
40) Benzene	8.34	78	293250	50.724	ug/l	99
41) Methacrylonitrile	7.52	41	22072m	47.885	ug/l	
42) 1,2-Dichloroethane	8.42	62	114386	56.177	ug/l	99
43) Isopropyl Acetate	8.45	43	77098	51.390	ug/l	97
44) Trichloroethene	9.11	130	96141	51.178	ug/l	89
45) 1,2-Dichloropropane	9.38	63	59519	45.412	ug/l	97
46) Dibromomethane	9.47	93	42029	51.504	ug/l	99
47) Bromodichloromethane	9.66	83	123860	55.192	ug/l	98
48) Methyl methacrylate	9.45	41	36752	47.506	ug/l #	90
49) 1,4-Dioxane	9.46	88	9768	1030.868	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	181964	250.723	ug/l	99
52) Toluene	10.40	92	206747	52.784	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	116104	54.524	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	123479	51.661	ug/l	90
55) 1,1,2-Trichloroethane	10.80	97	53759	48.663	ug/l	92
56) Ethyl methacrylate	10.66	69	66508	52.006	ug/l #	88
57) 1,3-Dichloropropane	10.94	76	93070	50.932	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	134118	252.507	ug/l	94
59) 2-Hexanone	10.98	43	136302	266.255	ug/l	98
60) Dibromochloromethane	11.14	129	88500	53.147	ug/l	99
61) 1,2-Dibromoethane	11.24	107	54617	50.238	ug/l	99
64) Tetrachloroethene	10.87	164	88690	53.131	ug/l	93
65) Chlorobenzene	11.67	112	225103	51.419	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	94183	52.643	ug/l	98
67) Ethyl Benzene	11.74	91	412630	53.546	ug/l	98
68) m/p-Xylenes	11.85	106	316671	107.813	ug/l	98
69) o-Xylene	12.18	106	145354	53.195	ug/l	98
70) Styrene	12.20	104	248739	53.016	ug/l	98
71) Bromoform	12.36	173	53496	52.704	ug/l #	99
73) Isopropylbenzene	12.48	105	419450	53.597	ug/l	99
74) N-amyl acetate	12.28	43	71070	50.281	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	51984	46.499	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	39916m	48.568	ug/l	
77) Bromobenzene	12.76	156	106091	53.411	ug/l	96
78) n-propylbenzene	12.82	91	465961	51.928	ug/l	98
79) 2-Chlorotoluene	12.91	91	264975	51.703	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	366609	54.256	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	18701	48.300	ug/l #	82
82) 4-Chlorotoluene	13.00	91	279976	51.563	ug/l	98
83) tert-Butylbenzene	13.23	119	315993	53.840	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	362997	54.694	ug/l	98
85) sec-Butylbenzene	13.40	105	413444	53.766	ug/l	98
86) p-Isopropyltoluene	13.52	119	406915	54.879	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	191906	51.757	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	191869	51.537	ug/l	99
89) n-Butylbenzene	13.84	91	346086	52.894	ug/l	98
90) Hexachloroethane	14.11	117	74454	50.832	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	165945	51.989	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12899	55.012	ug/l	88

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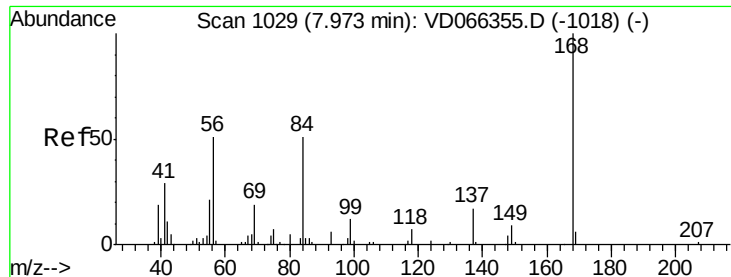
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 13:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	130907	52.533	ug/l	98
94) Hexachlorobutadiene	15.27	225	85811	55.413	ug/l	99
95) Naphthalene	15.41	128	214819	54.887	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	115609	54.158	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 181487

Ion Ratio Lower Upper

168 100

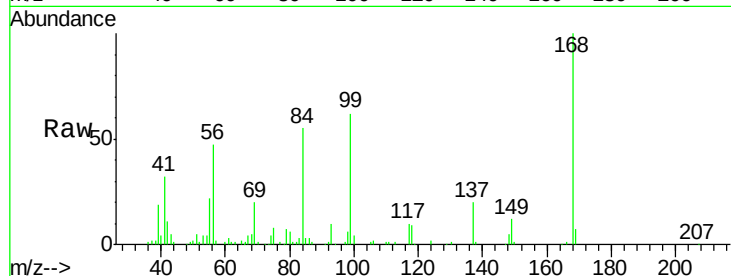
99 61.4 45.4 68.0

Manual Integrations

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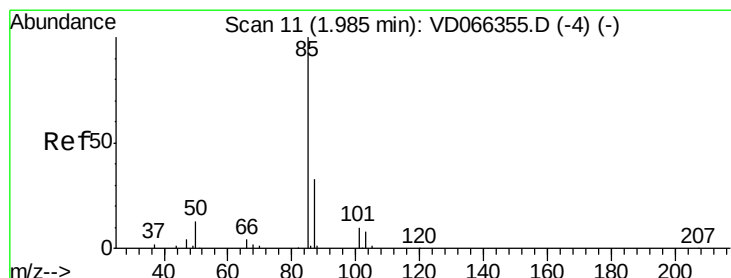
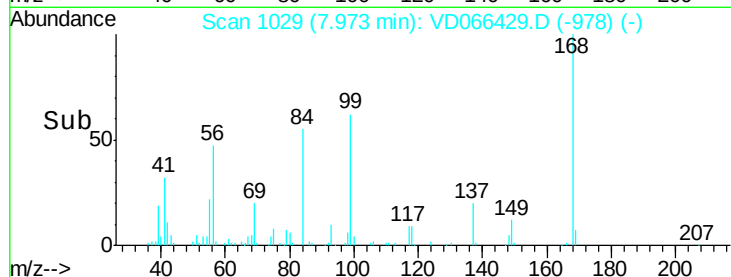
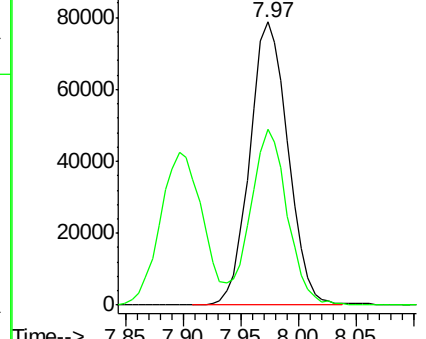
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.546 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066429.D

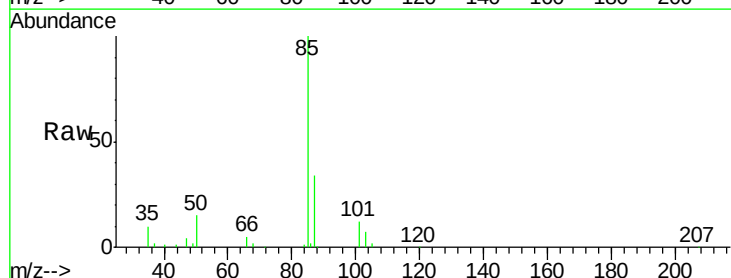
Acq: 27 Aug 2020 11:37

Tgt Ion: 85 Resp: 73359

Ion Ratio Lower Upper

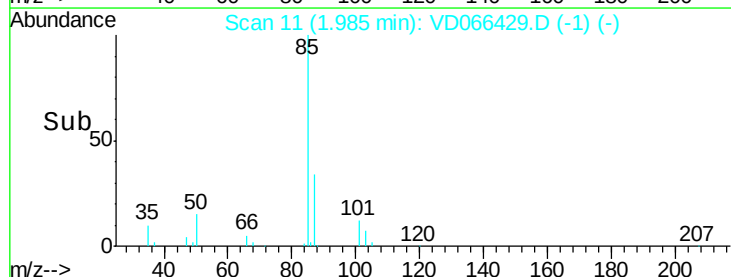
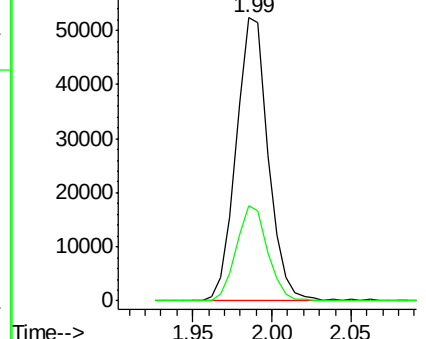
85 100

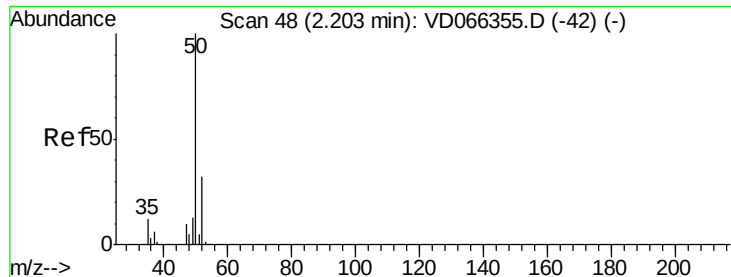
87 33.7 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 41.164 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 45020

Ion Ratio Lower Upper

50 100

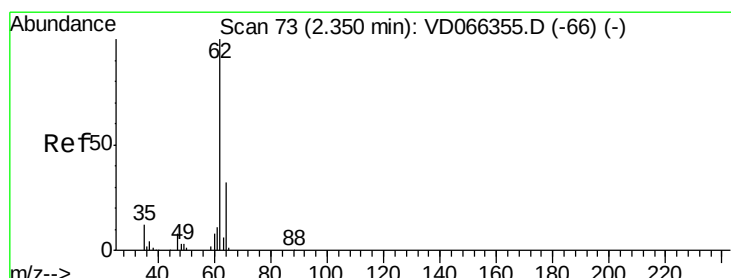
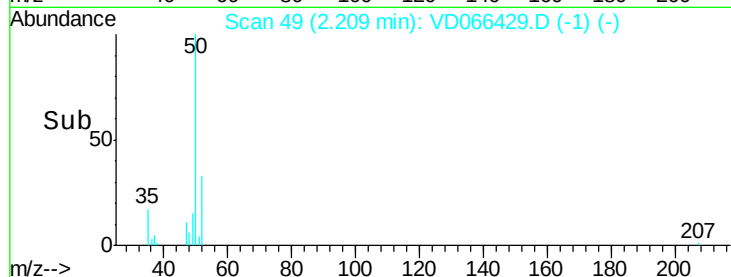
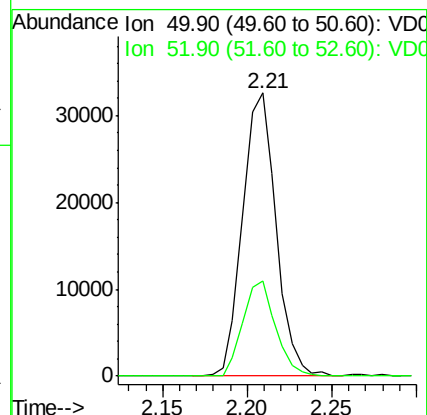
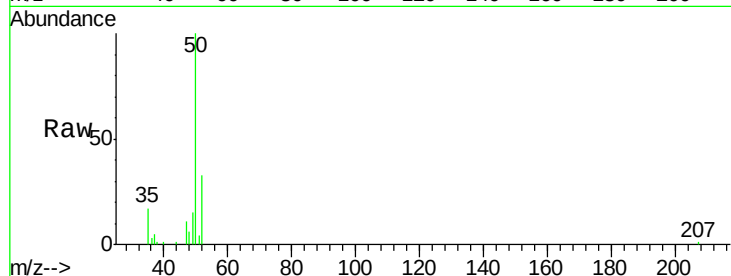
52 33.5 25.7 38.5

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#4

Vinyl Chloride

Concen: 47.964 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066429.D

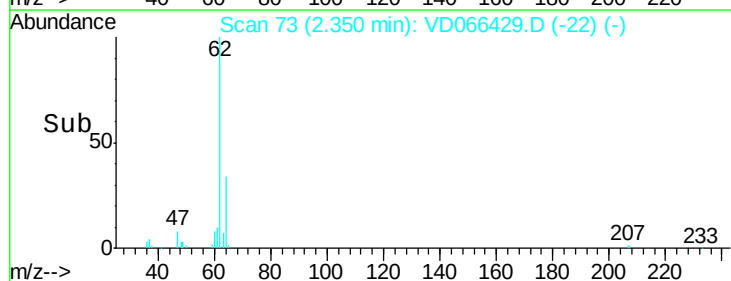
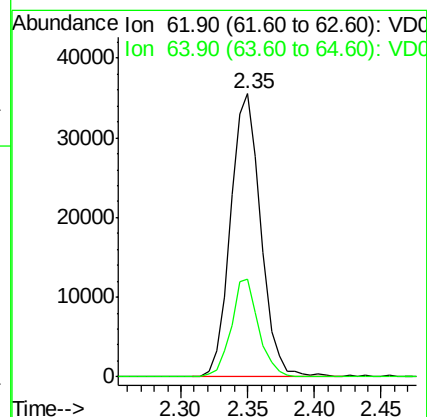
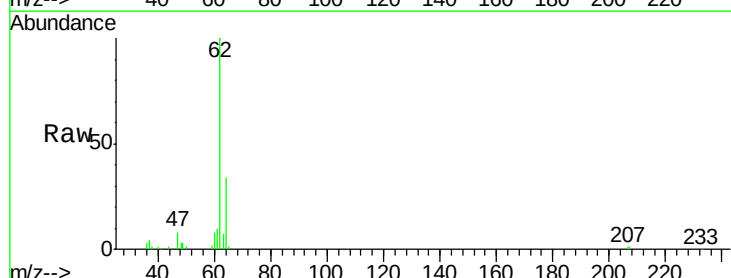
Acq: 27 Aug 2020 11:37

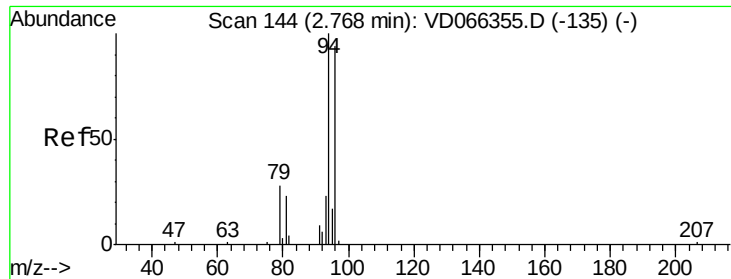
Tgt Ion: 62 Resp: 56321

Ion Ratio Lower Upper

62 100

64 34.5 25.4 38.2





#5

Bromomethane

Concen: 55.052 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 48352

Ion Ratio Lower Upper

94 100

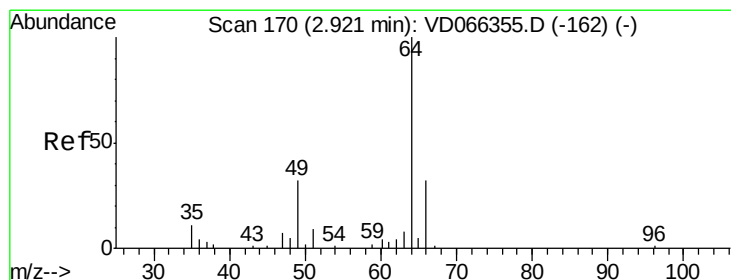
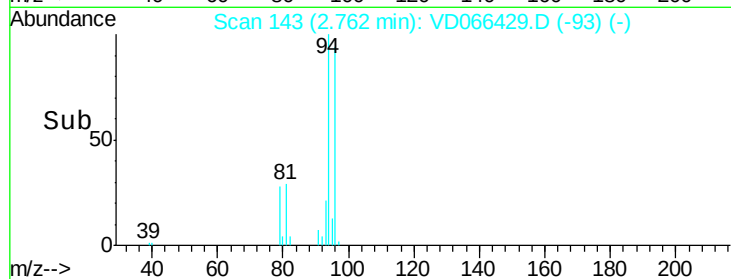
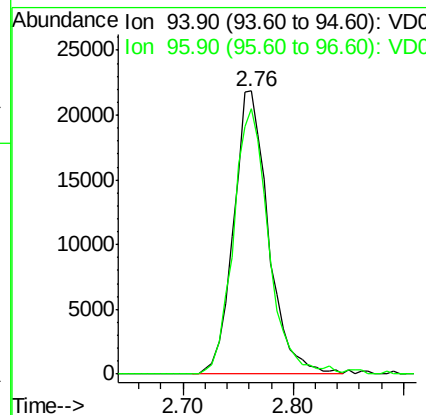
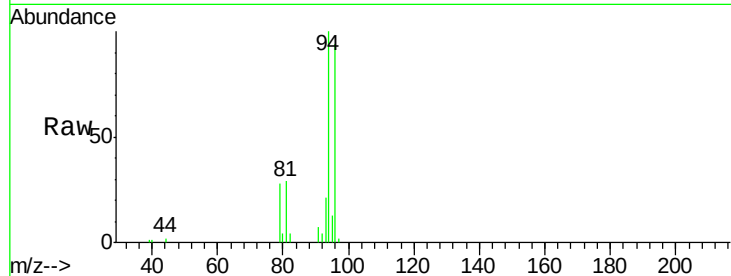
96 93.7 75.0 112.4

Manual Integrations

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#6

Chloroethane

Concen: 48.738 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066429.D

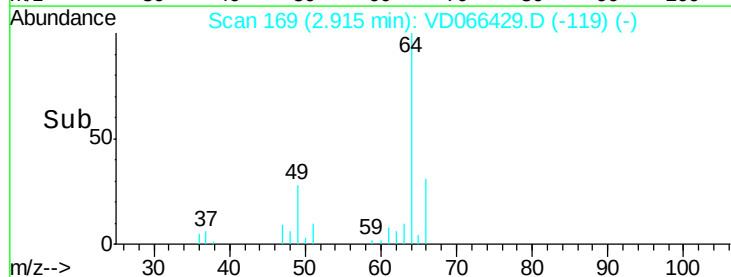
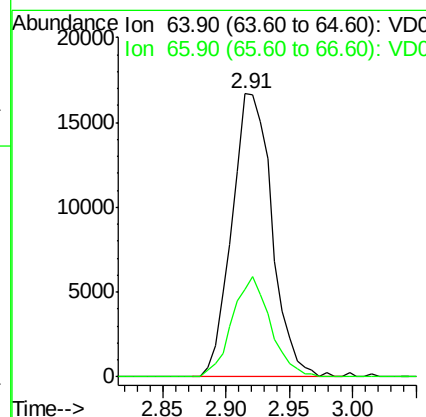
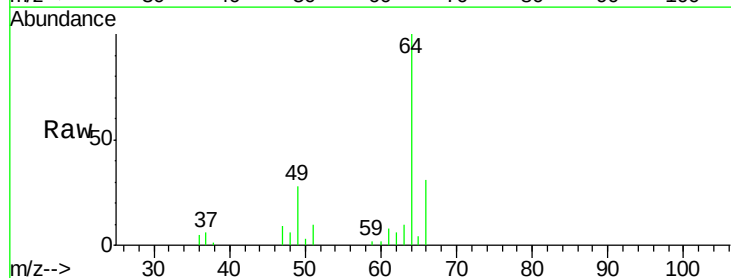
Acq: 27 Aug 2020 11:37

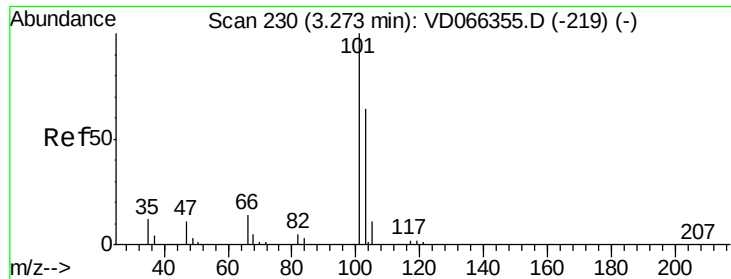
Tgt Ion: 64 Resp: 36646

Ion Ratio Lower Upper

64 100

66 30.8 25.9 38.9





#7

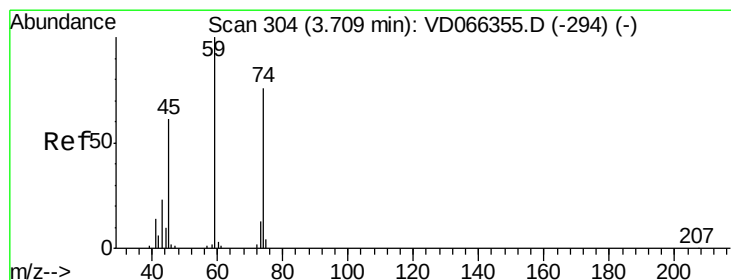
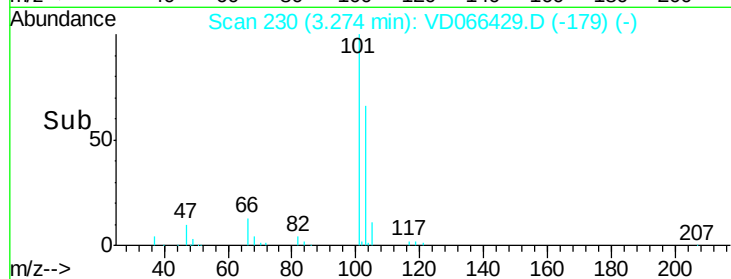
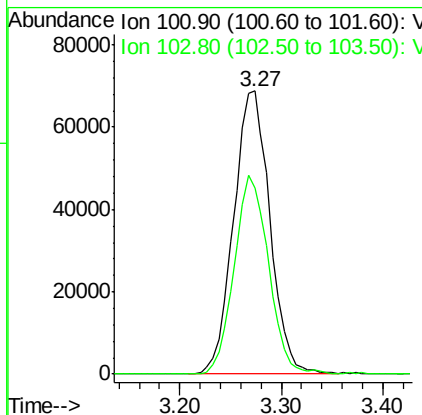
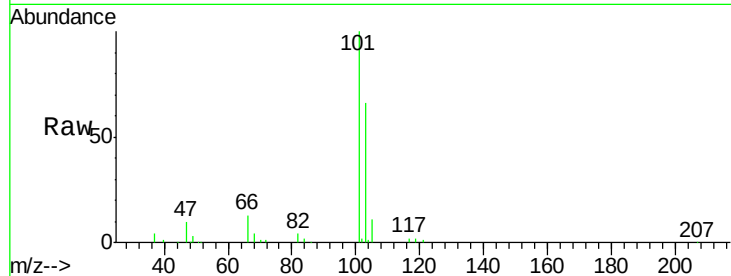
Trichlorofluoromethane
 Concen: 53.455 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	51.4	77.0

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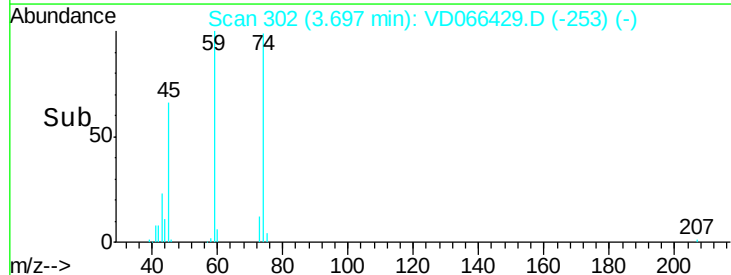
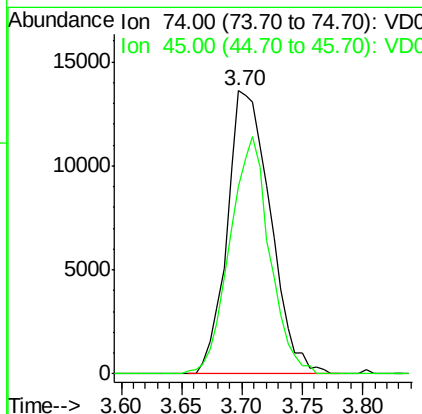
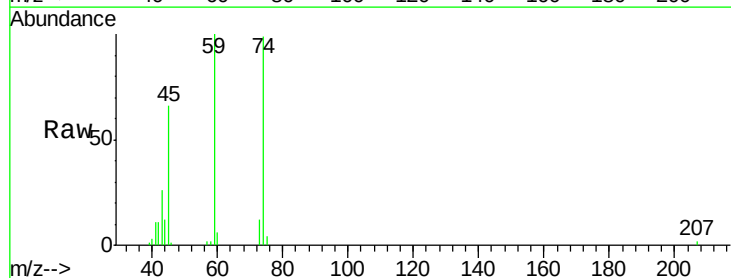
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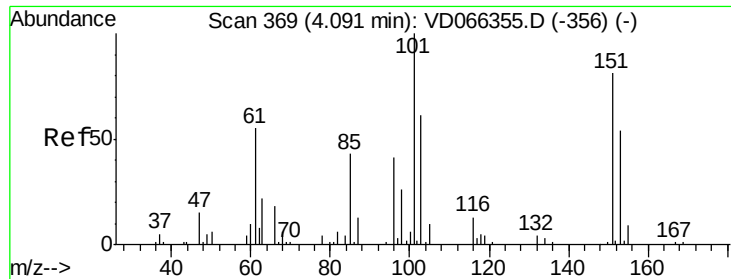


#8

Diethyl Ether
 Concen: 47.342 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. -0.01 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.1	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.492 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

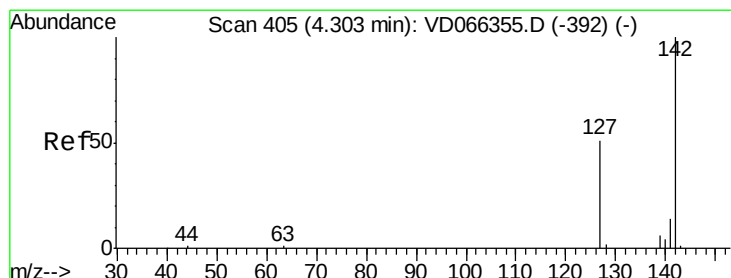
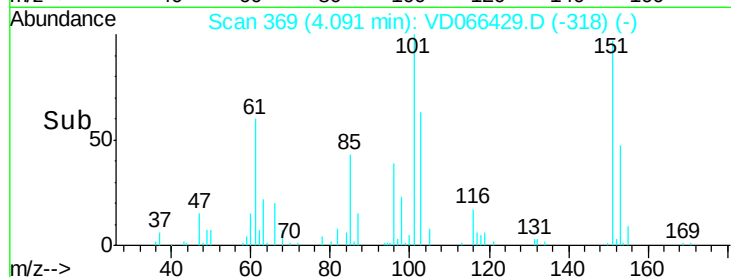
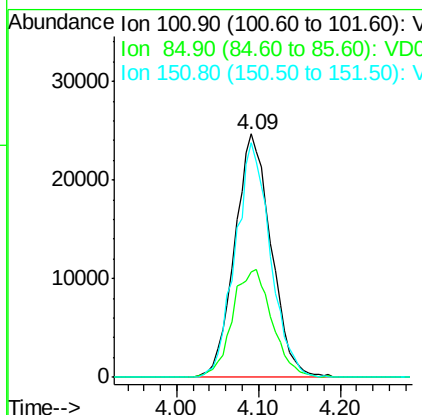
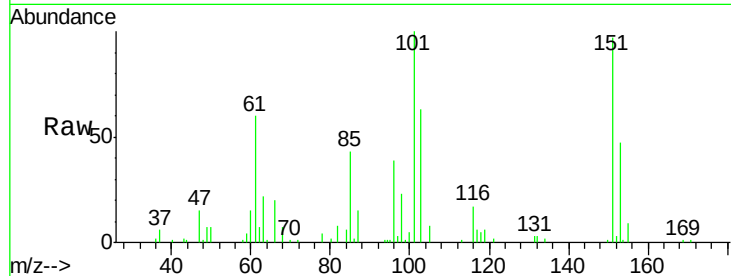
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	76414
Ion Ratio	Lower	Upper	
101	100		
85	47.8	36.4	54.6
151	93.0	70.5	105.7

Manual Integrations
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#10

Methyl Iodide

Concen: 41.984 ug/l

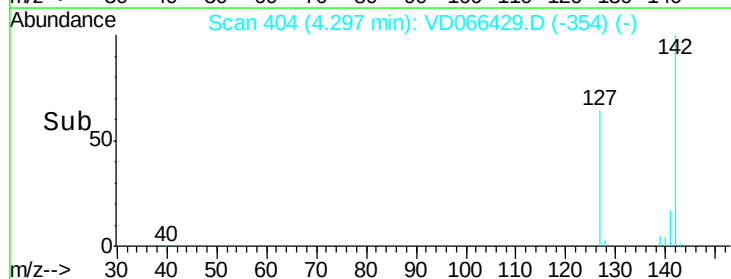
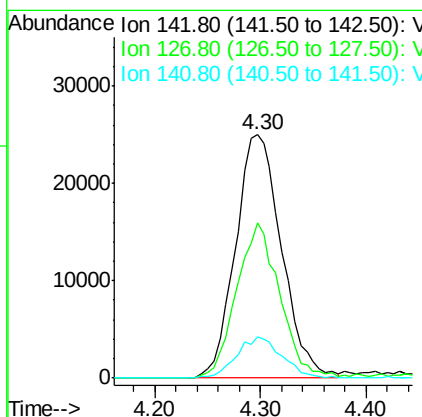
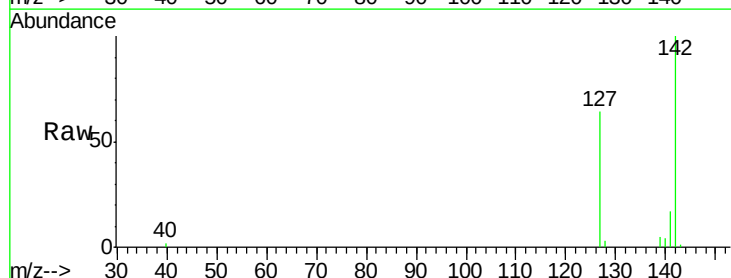
RT: 4.30 min Scan# 404

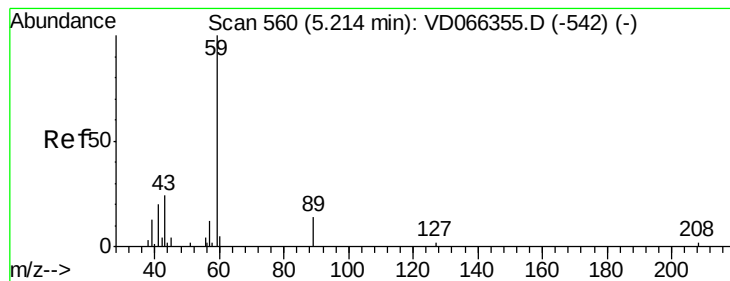
Delta R.T. -0.01 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Tgt Ion:	142	Resp:	75456
Ion Ratio	Lower	Upper	
142	100		
127	60.0	41.8	62.8
141	16.6	11.8	17.6





#11

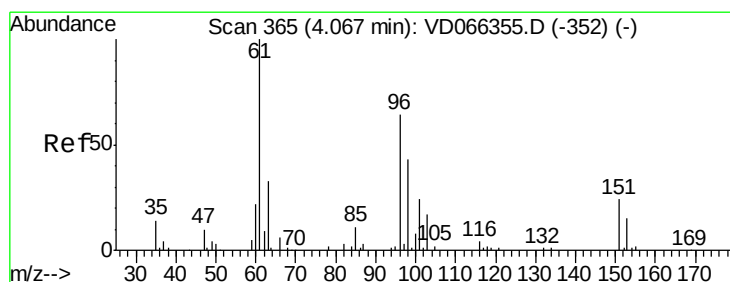
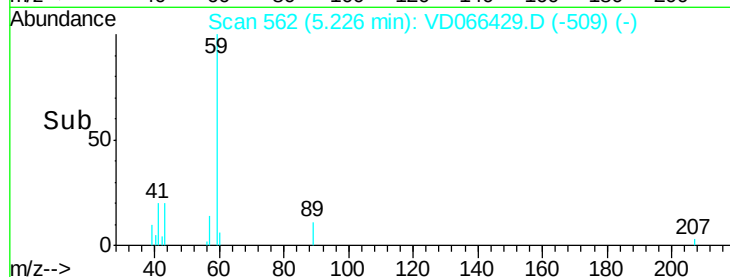
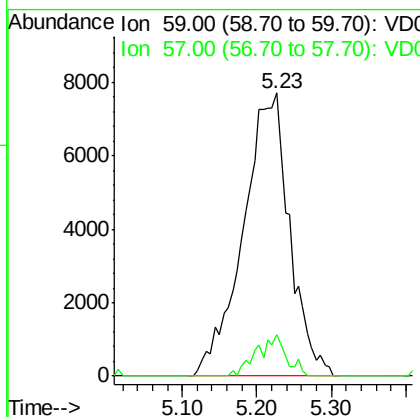
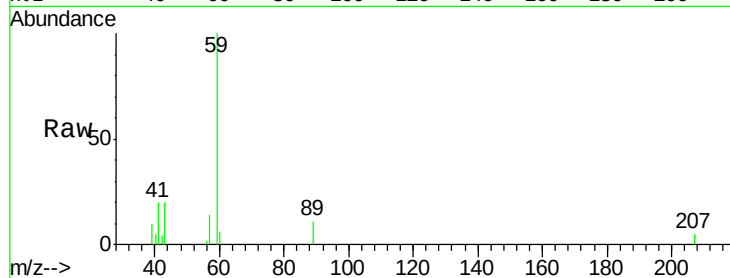
Tert butyl alcohol
 Concen: 342.795 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.01 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	33301		
57	5.8	9.0	13.4	

Manual Integrations
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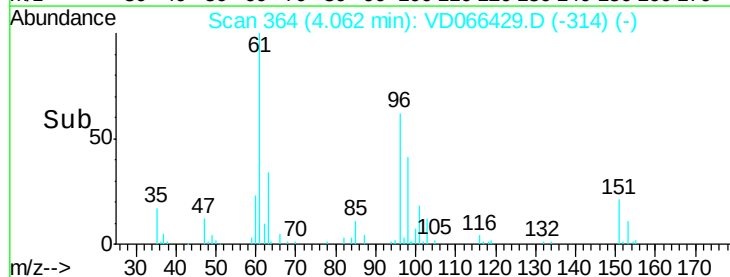
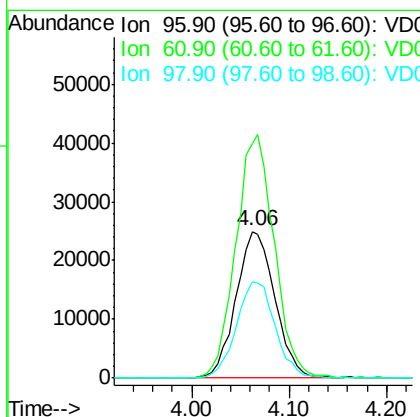
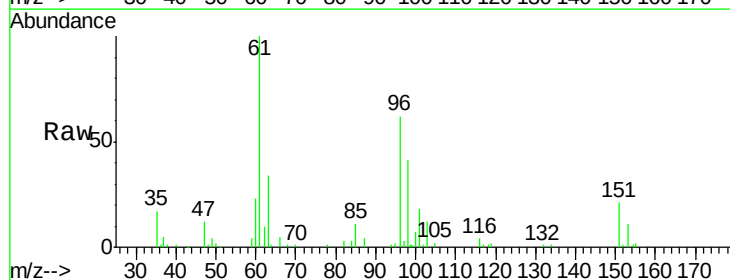
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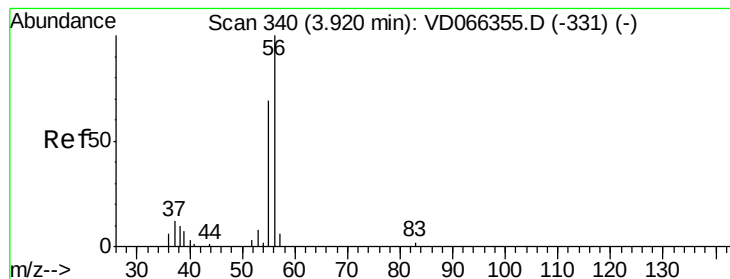


#12

1,1-Dichloroethene
 Concen: 46.581 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	68902		
61	160.4	124.3	186.5	
98	65.7	53.2	79.8	





#13

Acrolein

Concen: 210.589 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 16639

Ion Ratio Lower Upper

56 100

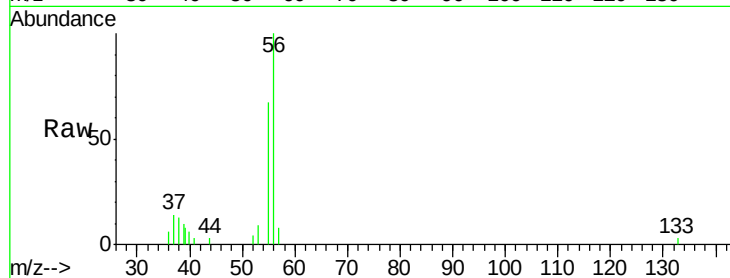
55 70.6 55.5 83.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.91

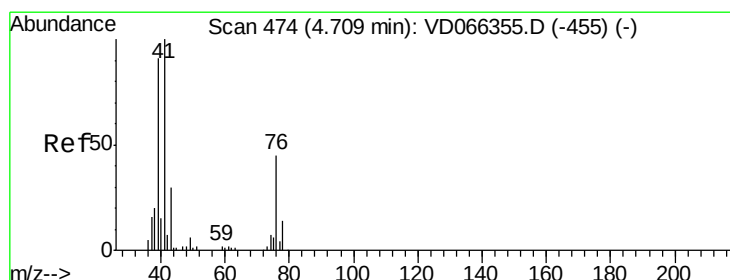
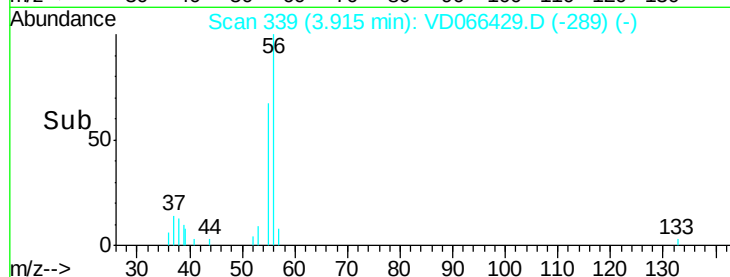
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 43.474 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

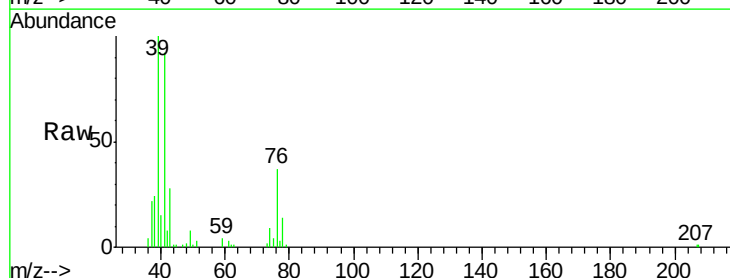
Tgt Ion: 41 Resp: 85831

Ion Ratio Lower Upper

41 100

39 105.9 72.8 109.2

76 46.3 34.0 51.0



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

40000

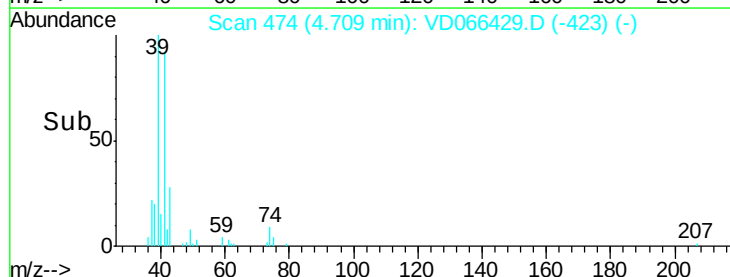
30000

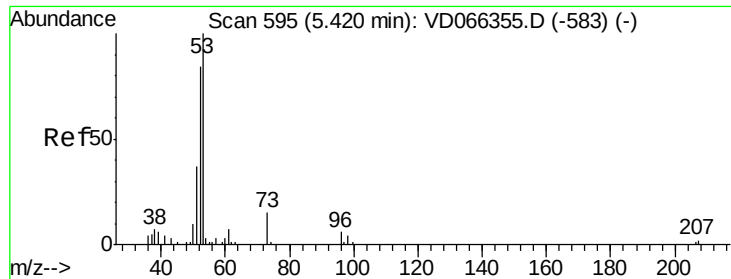
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 226.047 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

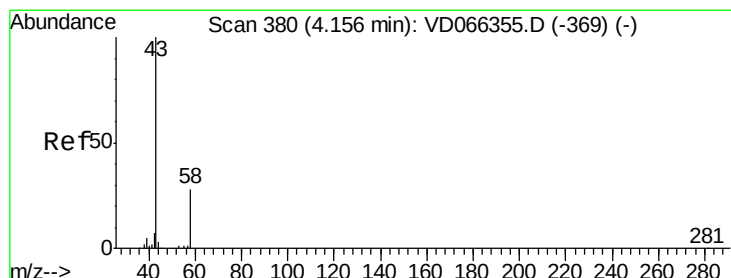
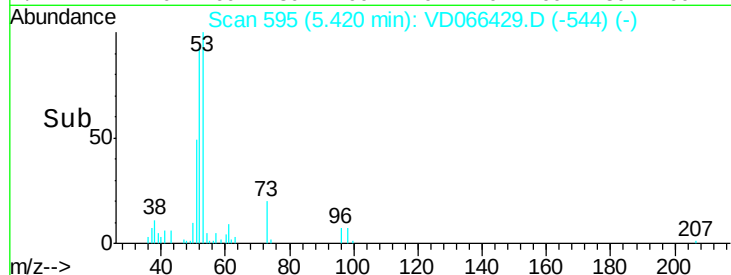
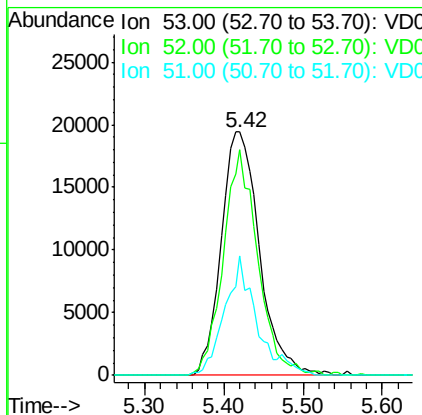
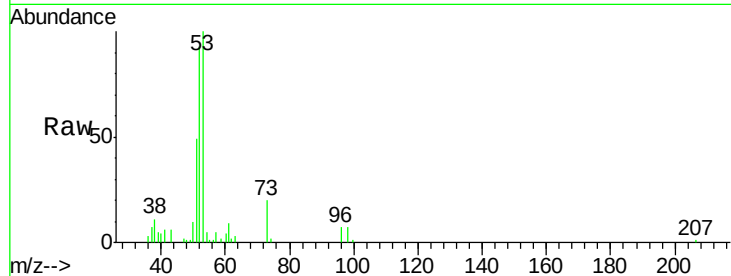
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	64886
Ion Ratio	Lower	Upper	
53	100		
52	83.0	68.1	102.1
51	38.2	33.8	50.6

Manual Integrations
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#16

Acetone

Concen: 283.327 ug/l

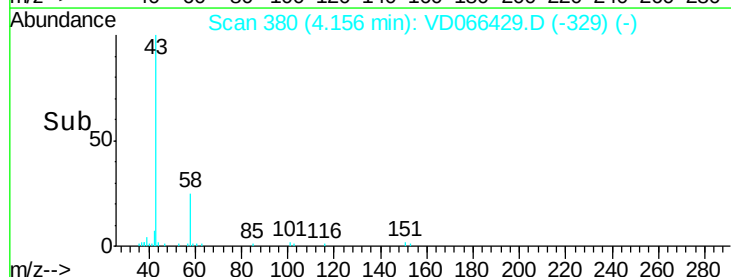
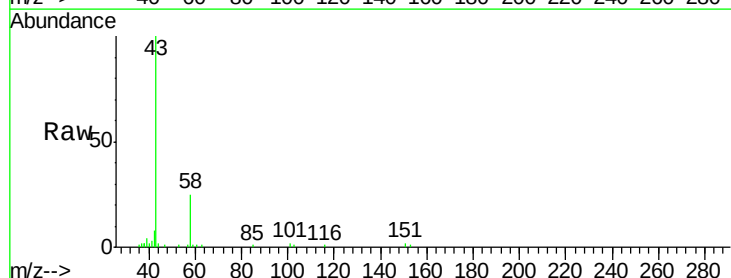
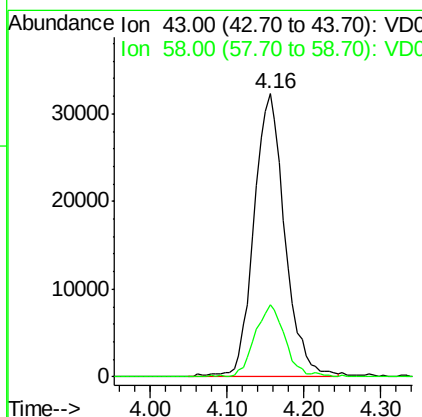
RT: 4.16 min Scan# 380

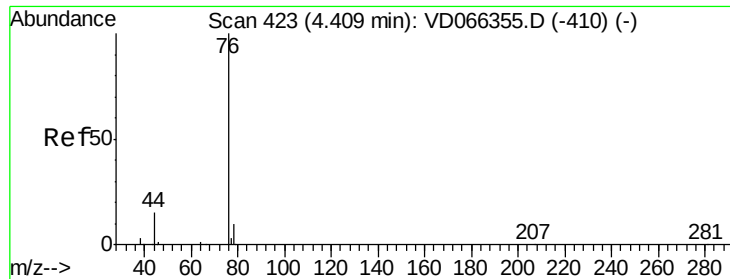
Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Tgt Ion:	43	Resp:	90885
Ion Ratio	Lower	Upper	
43	100		
58	25.4	22.7	34.1





#17

Carbon Disulfide

Concen: 45.140 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 202353

Ion Ratio Lower Upper

76 100

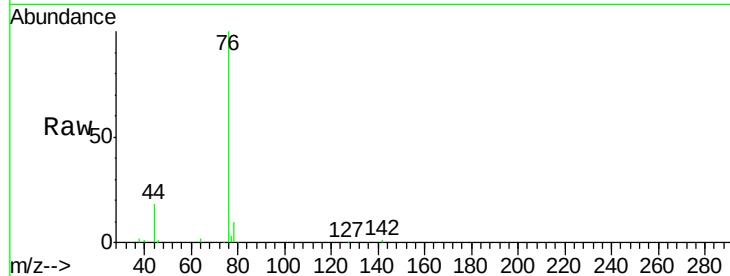
78 9.6 7.7 11.5

Manual Integrations

APPROVED

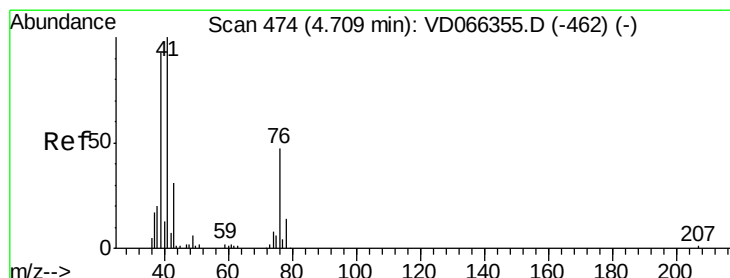
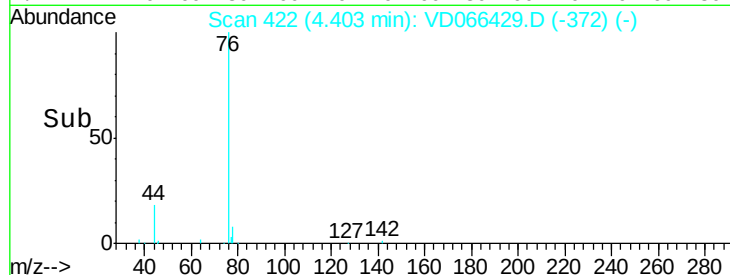
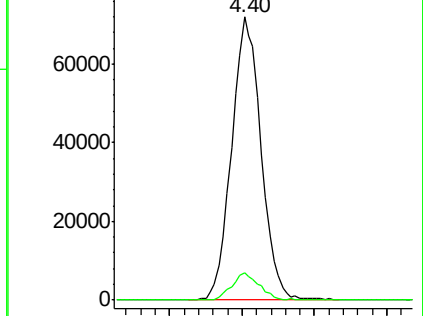
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 43.383 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066429.D

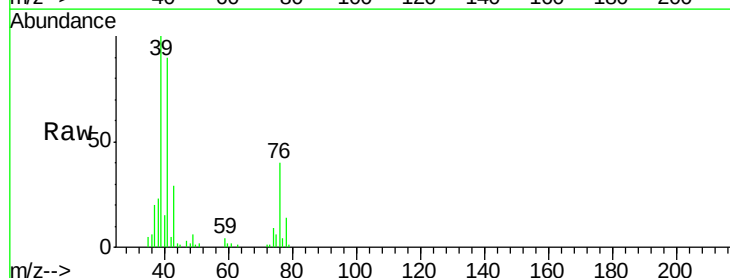
Acq: 27 Aug 2020 11:37

Tgt Ion: 43 Resp: 26119

Ion Ratio Lower Upper

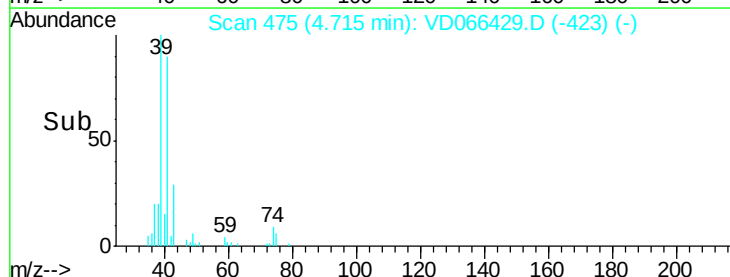
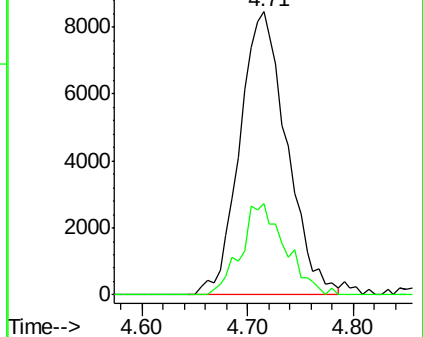
43 100

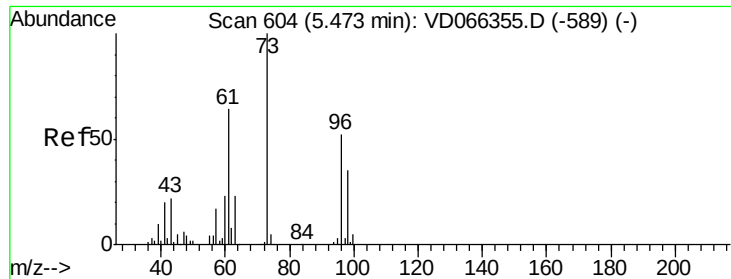
74 30.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





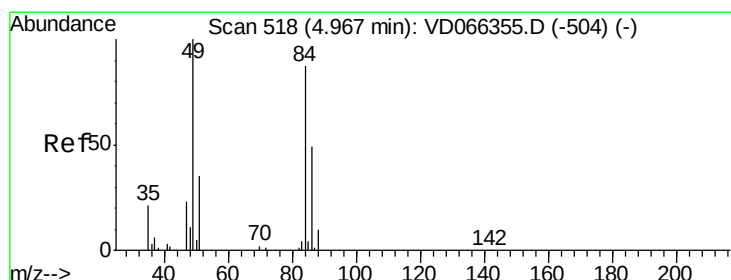
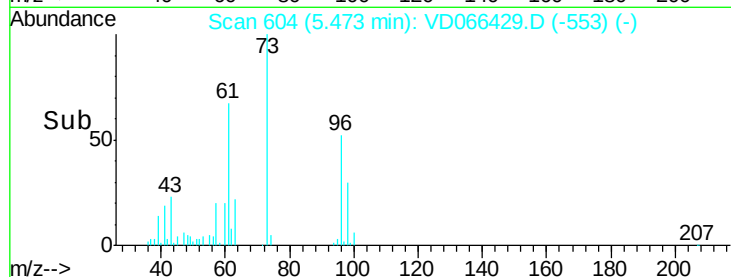
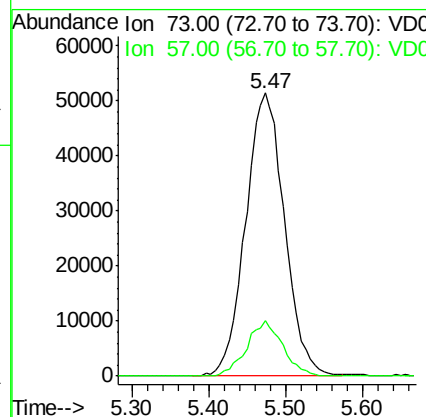
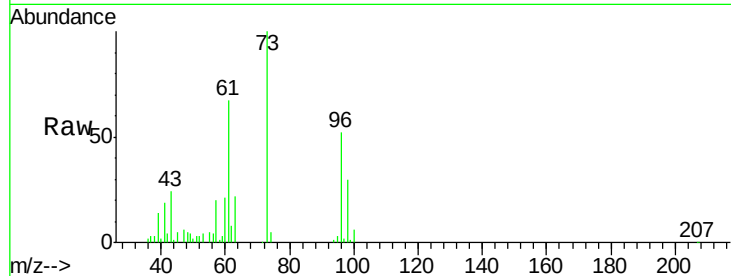
#19
Methyl tert-butyl Ether
Concen: 50.926 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 181385
Ion Ratio Lower Upper
73 100
57 19.5 13.8 20.6

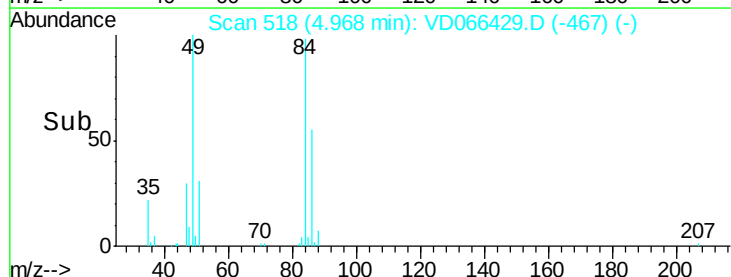
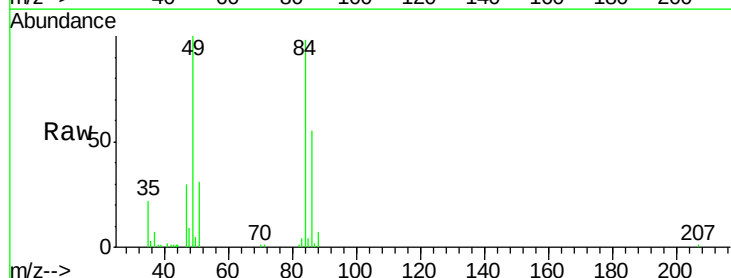
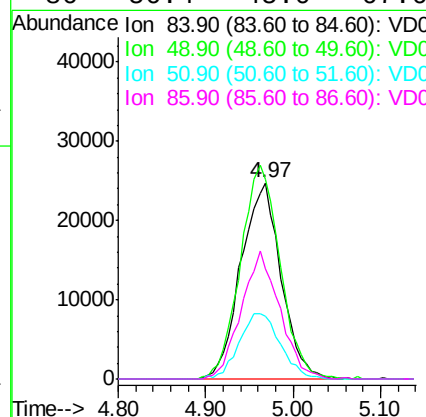
Manual Integrations
APPROVED

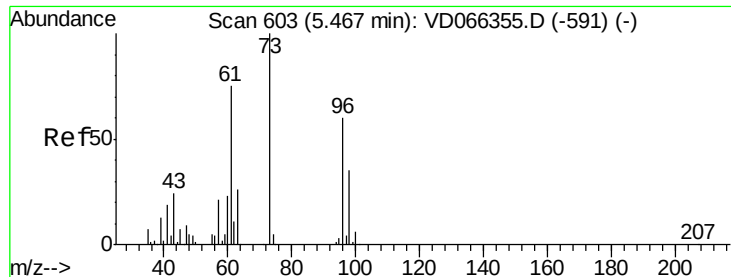
MMDadoda
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#20
Methylene Chloride
Concen: 44.301 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion: 84 Resp: 77176
Ion Ratio Lower Upper
84 100
49 101.7 92.5 138.7
51 31.9 32.5 48.7#
86 56.4 45.0 67.6





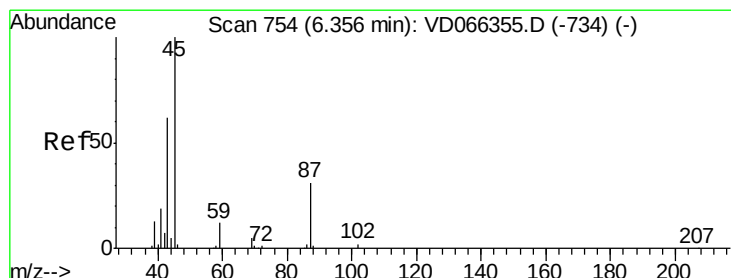
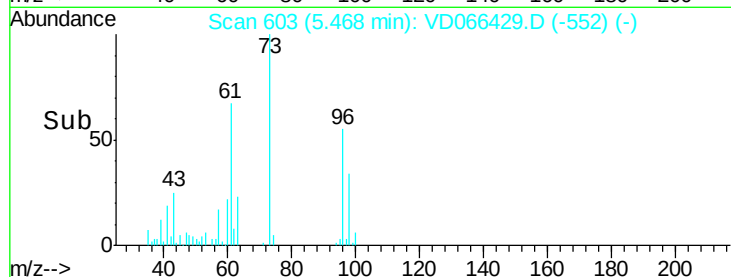
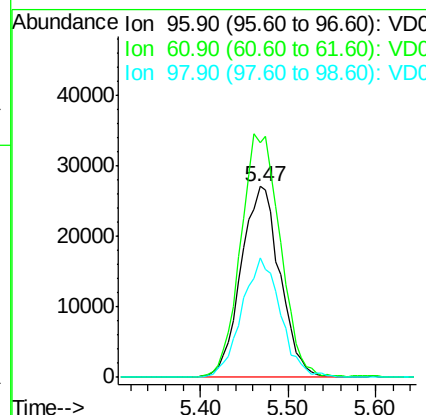
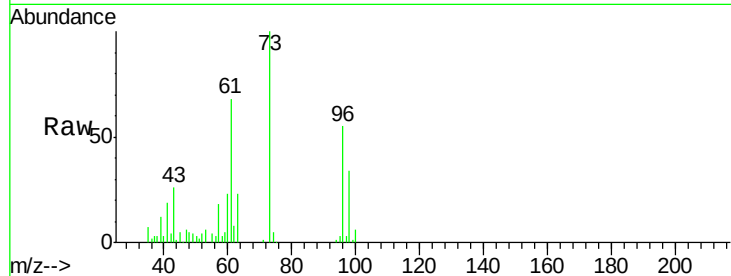
#21
trans-1,2-Dichloroethene
Concen: 47.523 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	123.0	101.1	151.7
98	62.6	47.0	70.6

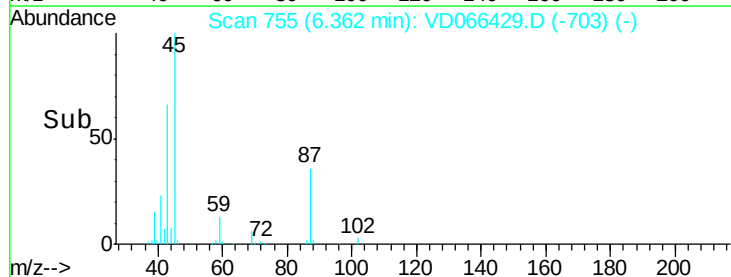
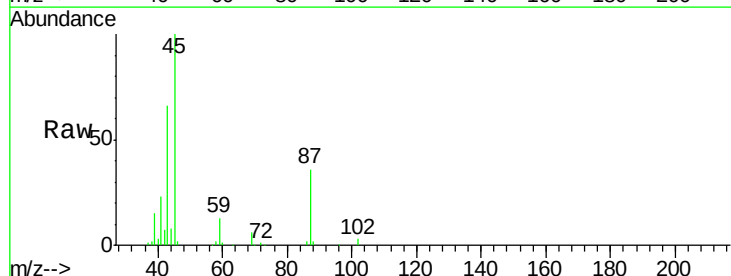
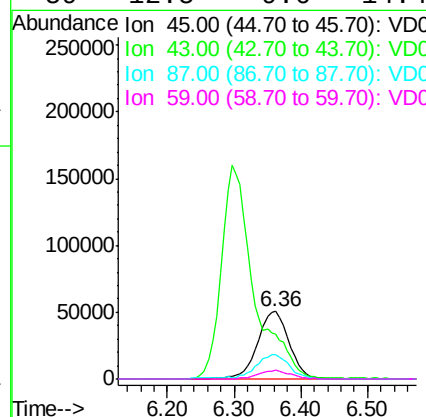
Manual Integrations
APPROVED

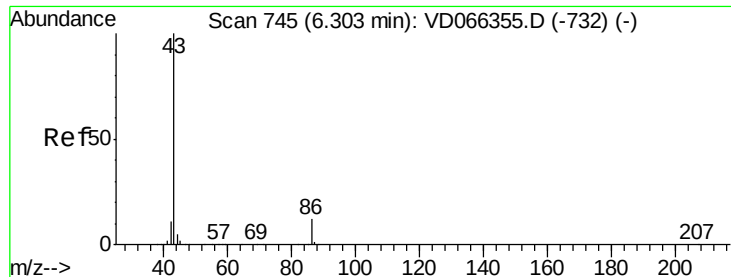
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#22
Diisopropyl ether
Concen: 43.341 ug/l
RT: 6.36 min Scan# 755
Delta R.T. 0.01 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.9	49.8	74.8
87	35.9	25.0	37.6
59	12.5	9.6	14.4





#23

Vinyl Acetate

Concen: 232.506 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 550202

Ion Ratio Lower Upper

43 100

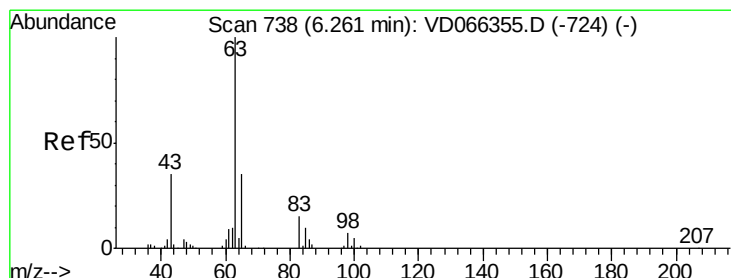
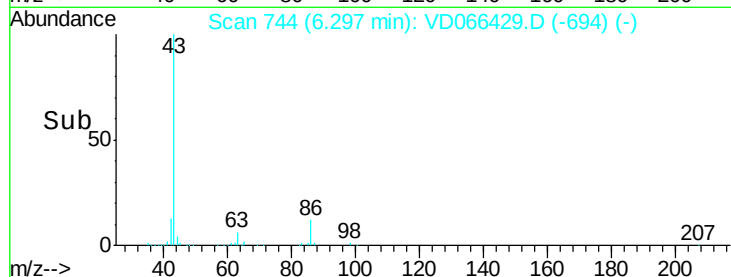
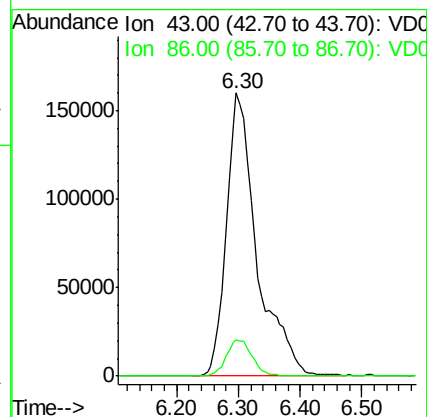
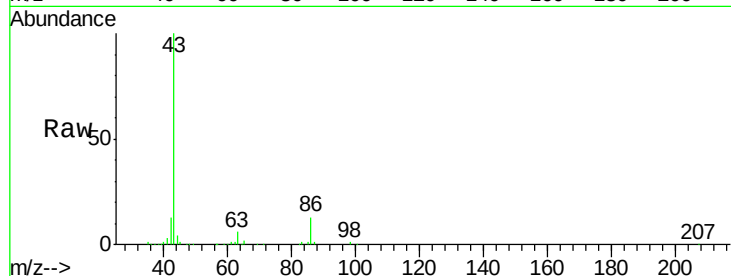
86 12.6 9.4 14.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 46.873 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

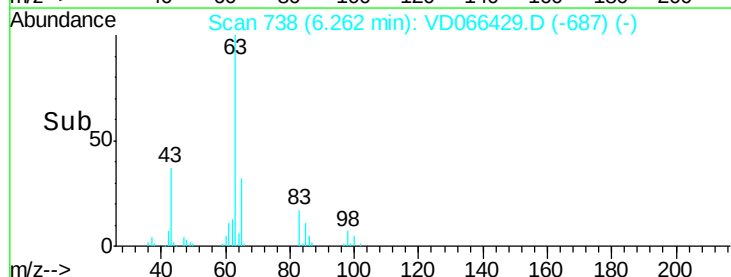
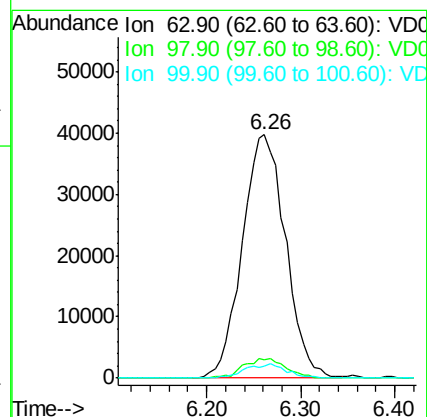
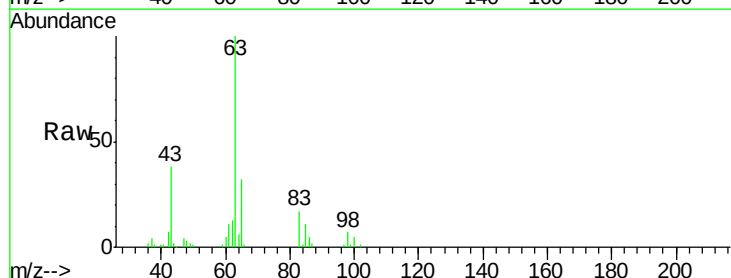
Tgt Ion: 63 Resp: 126619

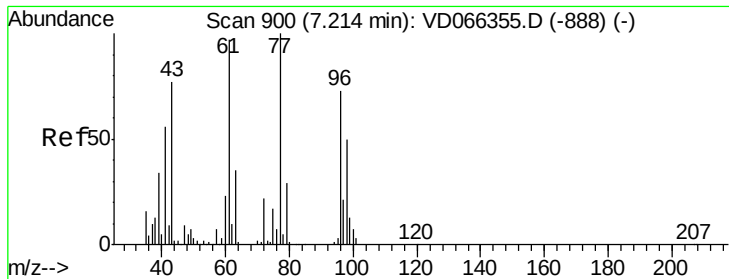
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.6

100 4.9 2.5 7.6





#25

2-Butanone

Concen: 234.420 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 85367

Ion Ratio Lower Upper

43 100

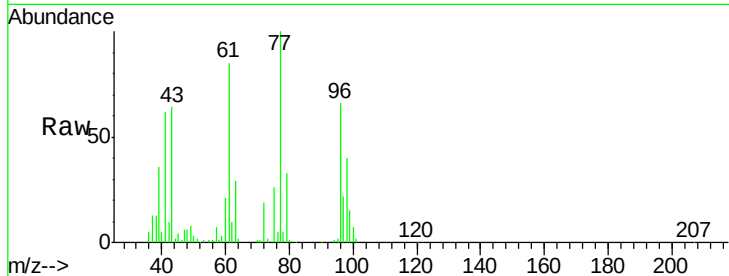
72 30.1 22.5 33.7

Manual Integrations

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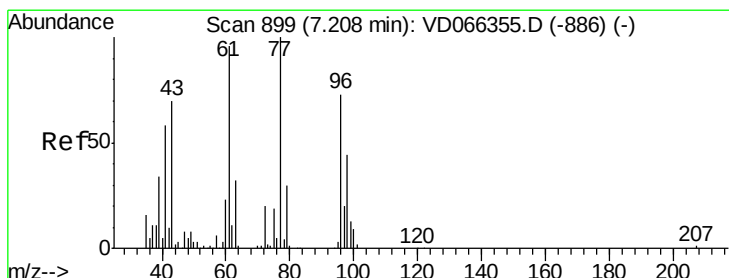
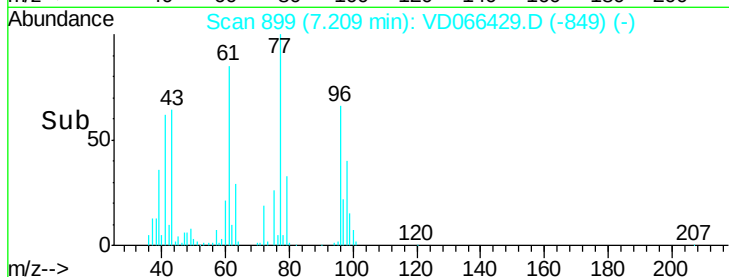
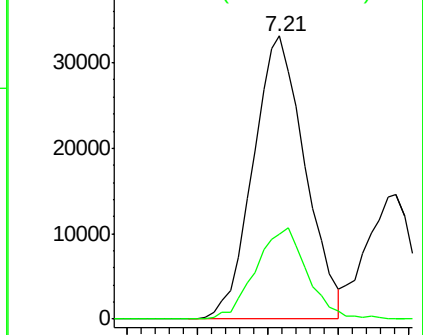
MMDadoda

8/28/2020 3:18:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.093 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066429.D

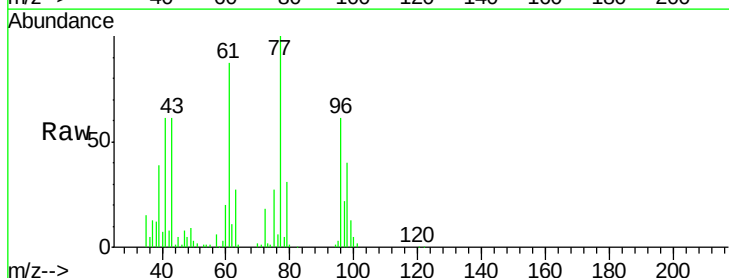
Acq: 27 Aug 2020 11:37

Tgt Ion: 77 Resp: 156613

Ion Ratio Lower Upper

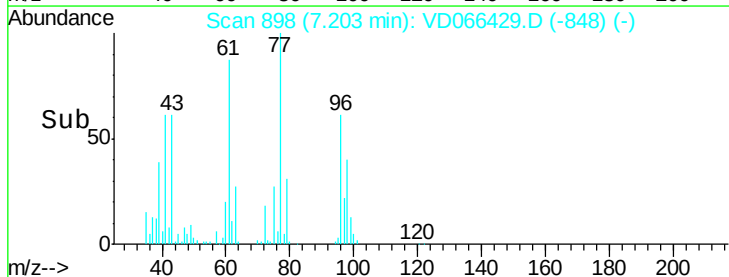
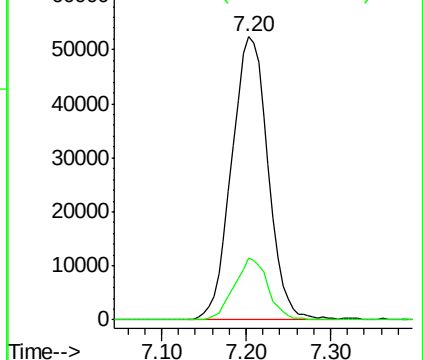
77 100

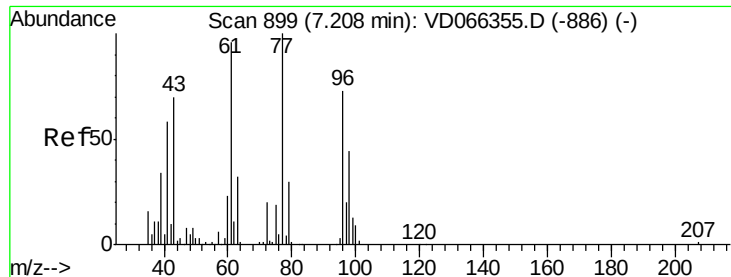
97 20.2 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

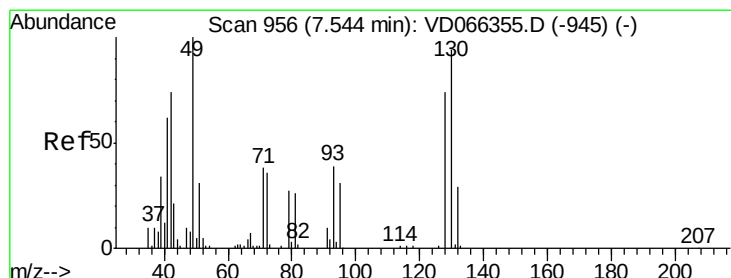
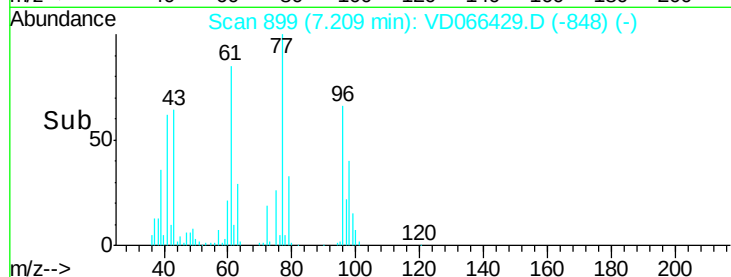
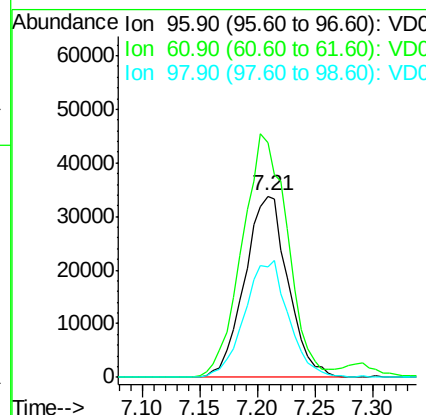
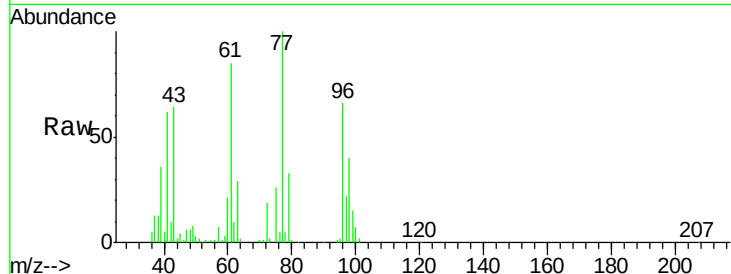
cis-1,2-Dichloroethene
 Concen: 47.846 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	281.4
98	65.1	0.0	132.2

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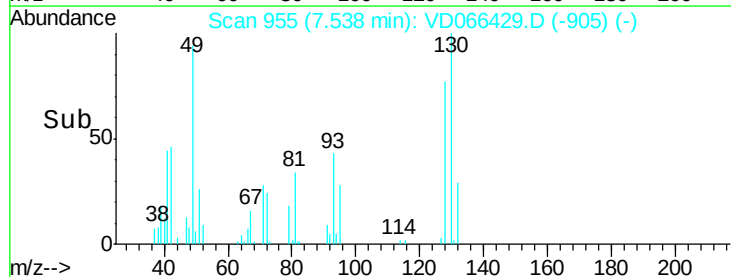
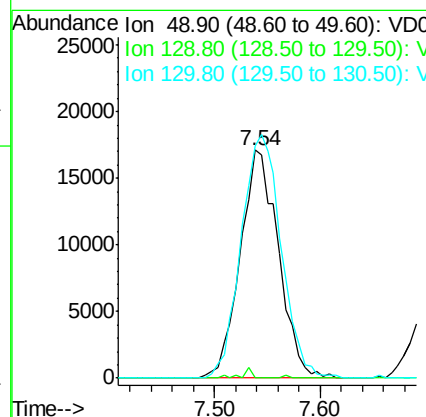
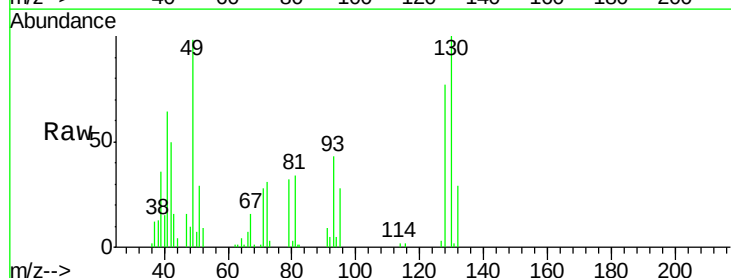
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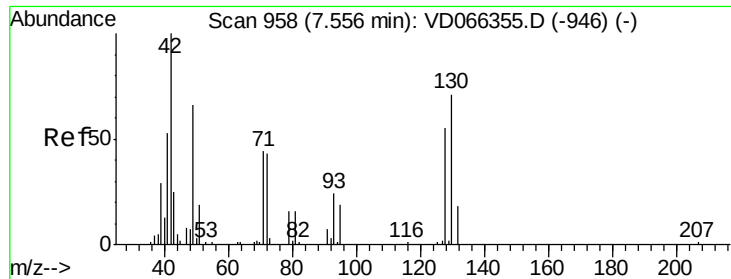


#28

Bromochloromethane
 Concen: 46.033 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.0
130	112.3	82.6	124.0





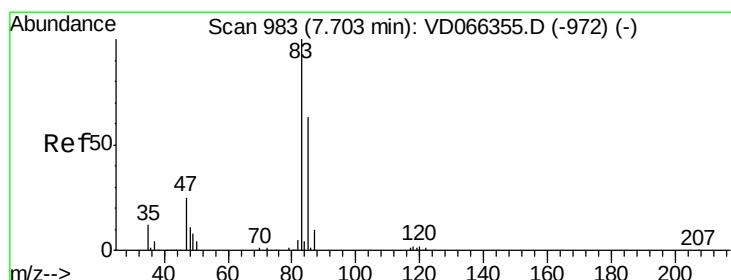
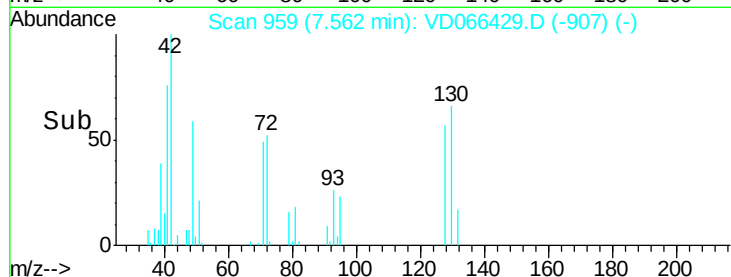
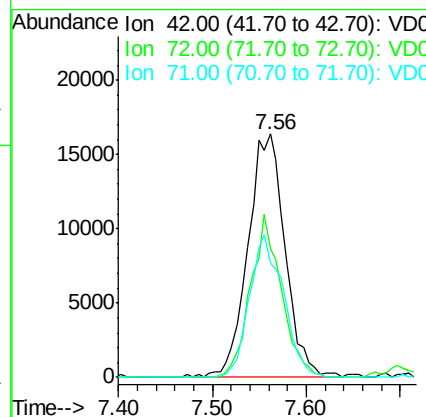
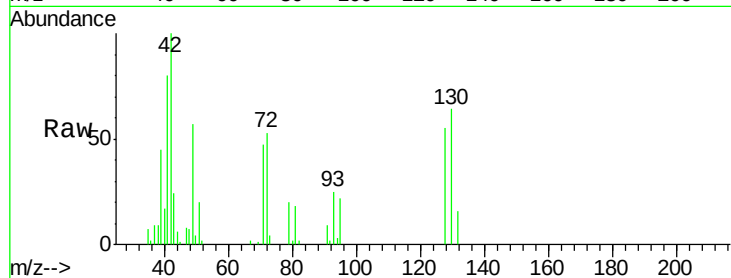
#29
Tetrahydrofuran
Concen: 216.806 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.3	41.0	61.4
71	53.4	37.2	55.8

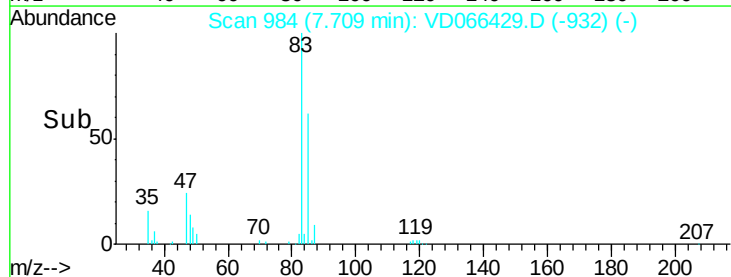
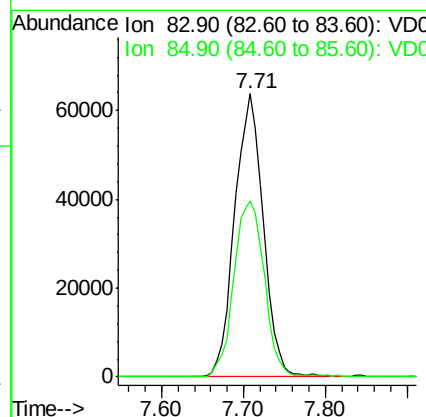
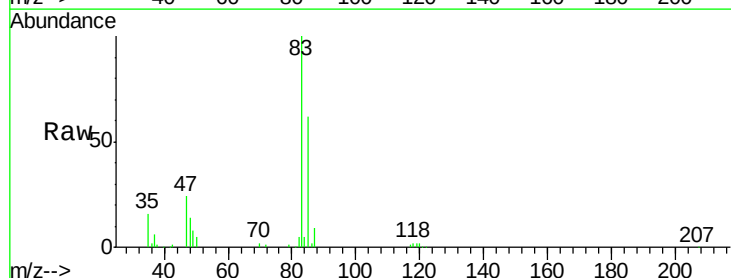
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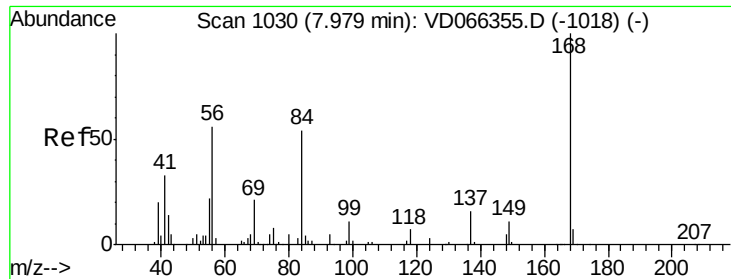
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#30
Chloroform
Concen: 49.665 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.3	75.5





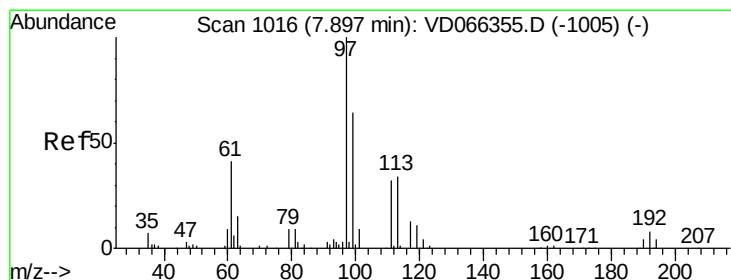
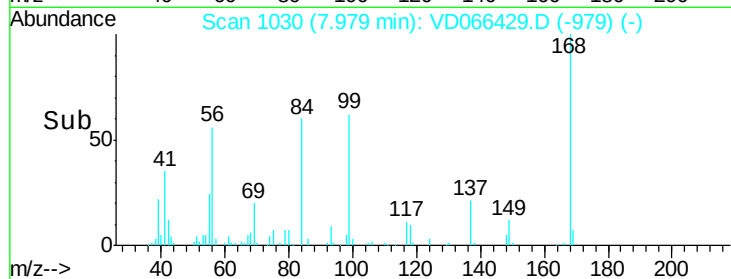
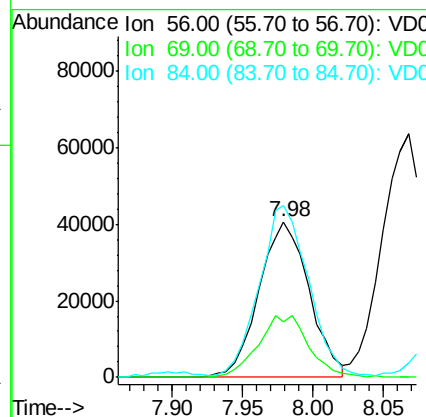
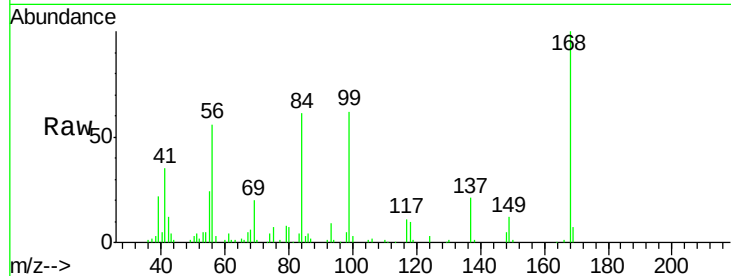
#31
Cyclohexane
Concen: 40.888 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	29.6	44.4
84	108.2	76.6	115.0

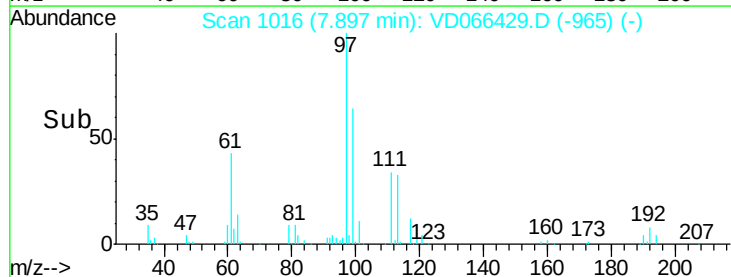
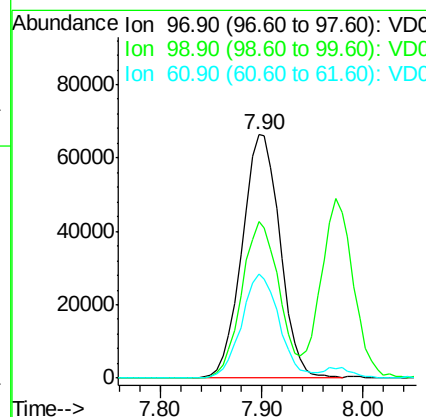
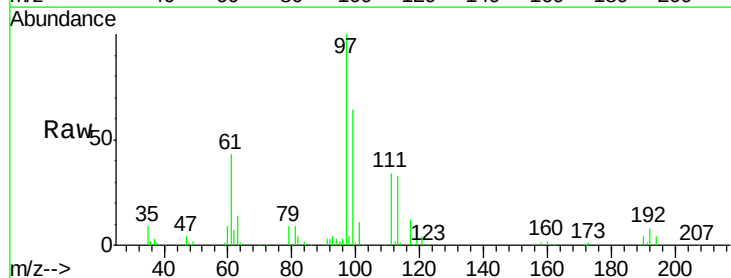
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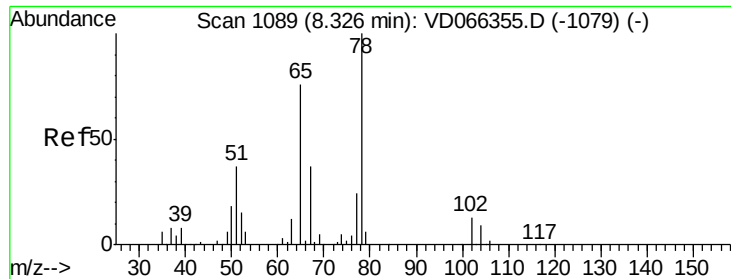
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#32
1,1,1-Trichloroethane
Concen: 53.875 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.5	77.3
61	42.1	33.3	49.9





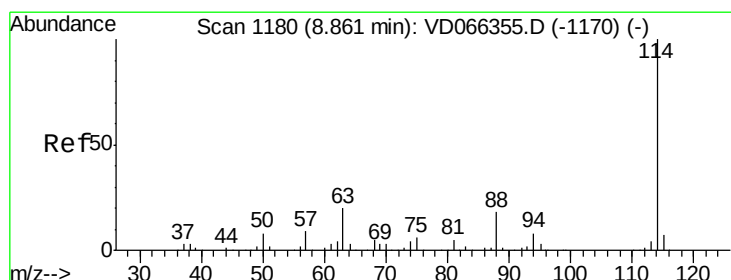
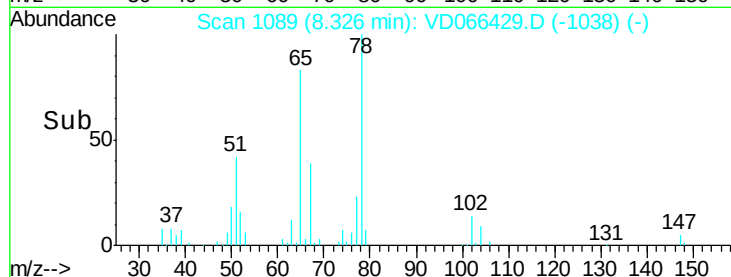
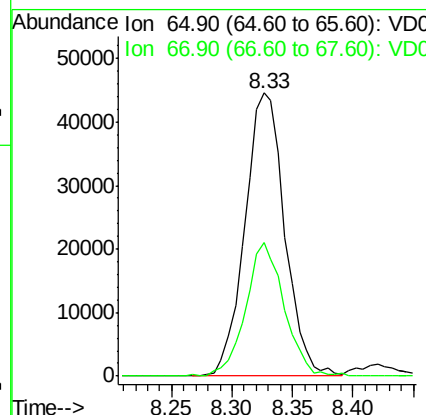
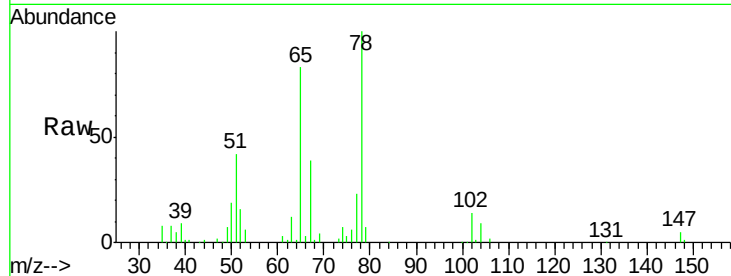
#33
 1,2-Dichloroethane-d4
 Concen: 57.371 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	102080		
67	45.5	0.0	101.6	

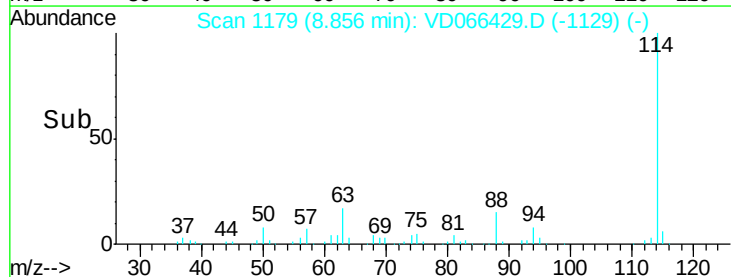
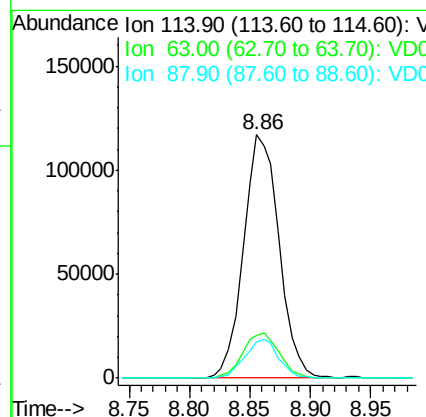
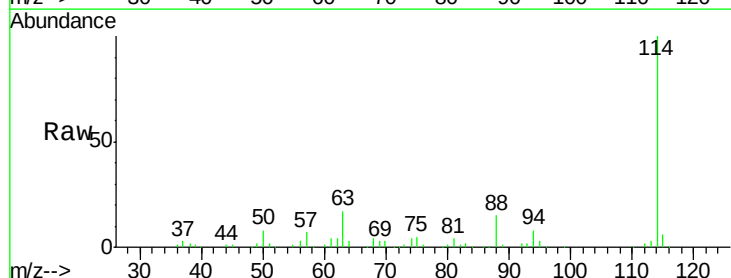
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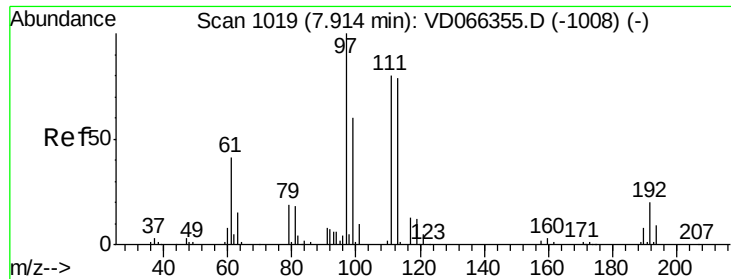
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	240854		
63	17.5	0.0	40.8	
88	14.9	0.0	35.4	





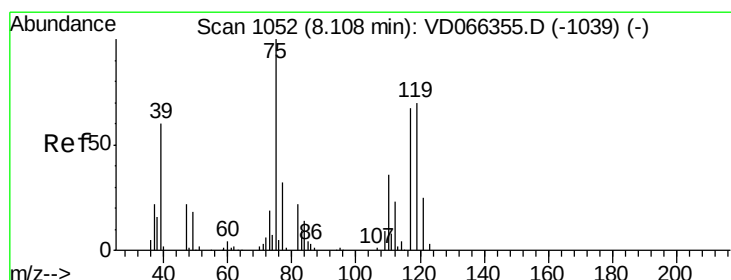
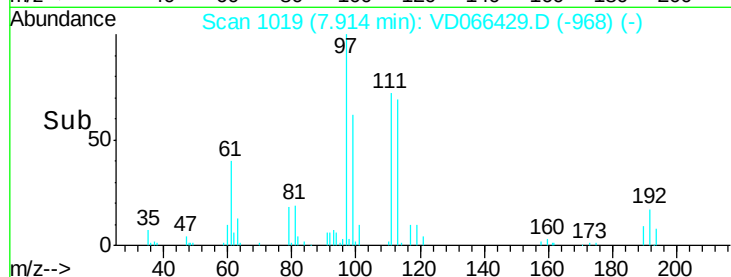
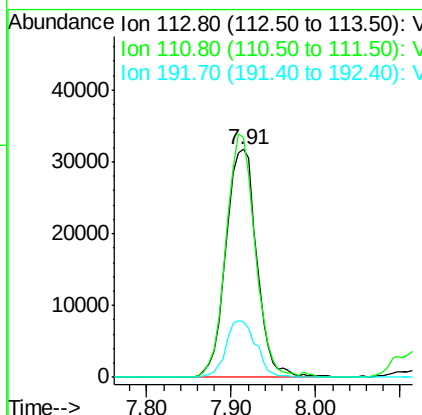
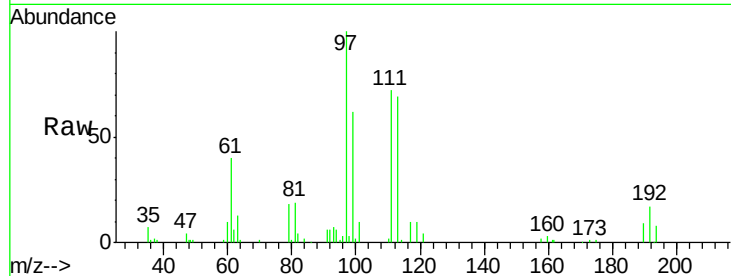
#35
 Dibromofluoromethane
 Concen: 52.961 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	80.3	120.5
192	24.2	19.0	28.6

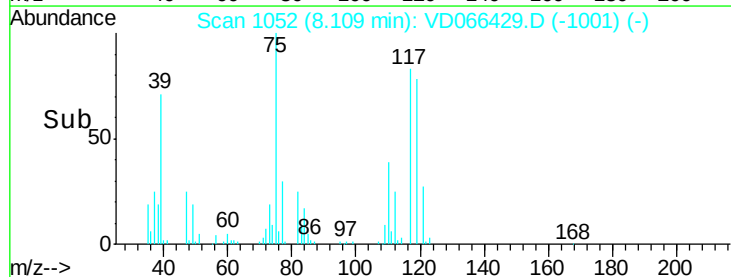
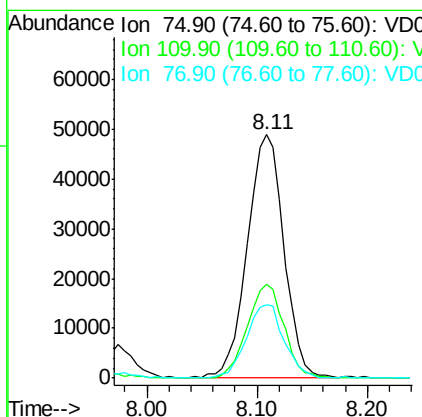
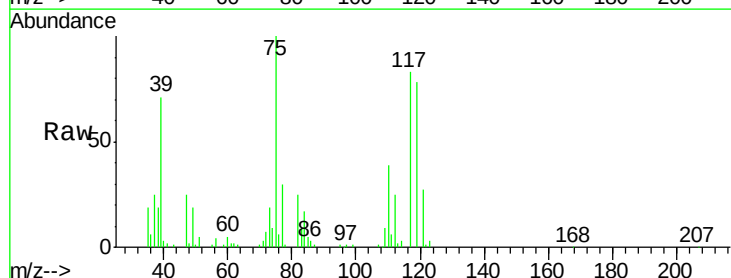
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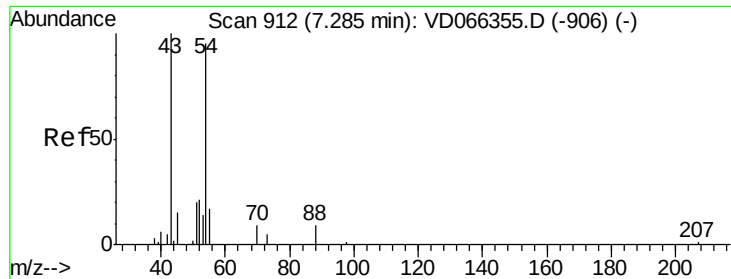
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#36
 1,1-Dichloropropene
 Concen: 51.994 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	18.7	56.1
77	31.0	25.2	37.8





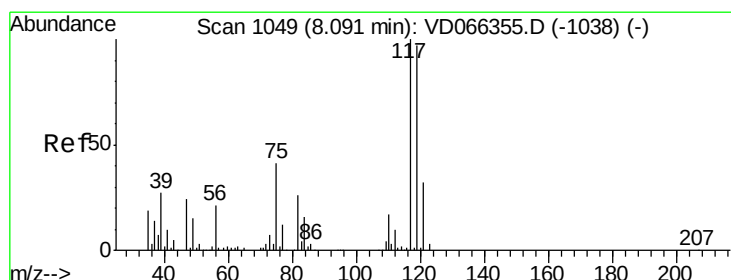
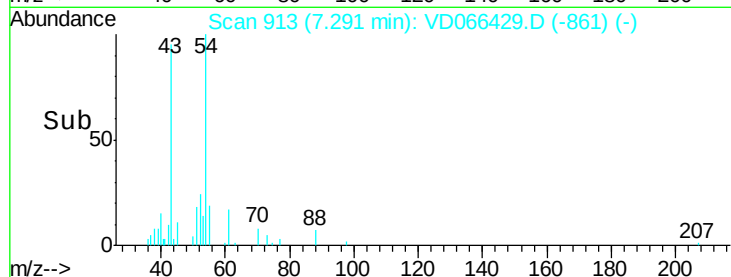
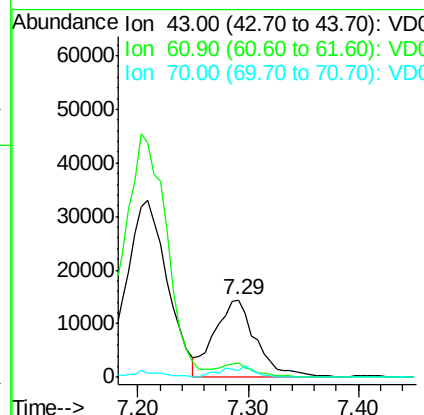
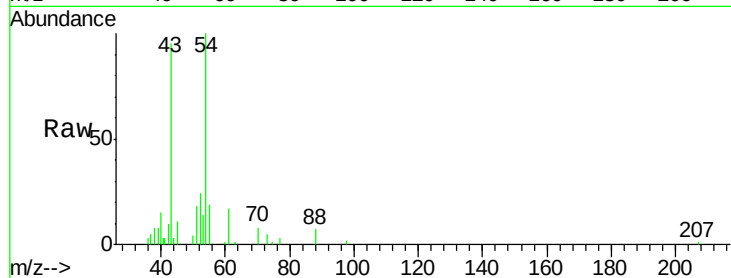
#37
Ethyl Acetate
Concen: 51.194 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	13.3	19.9
70	11.1	3.5	5.3

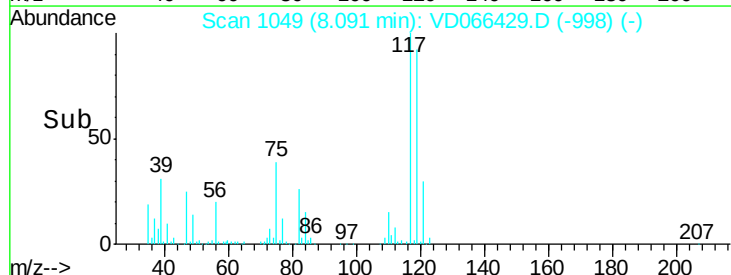
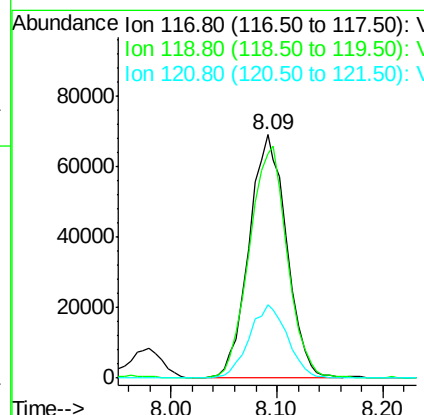
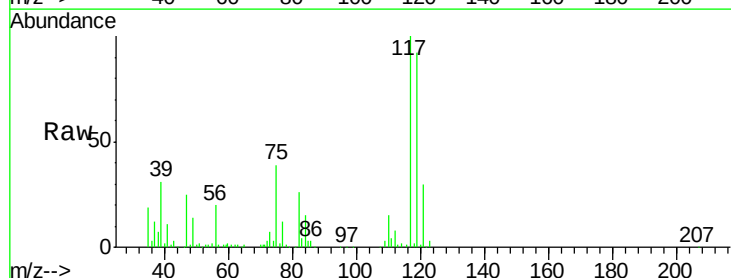
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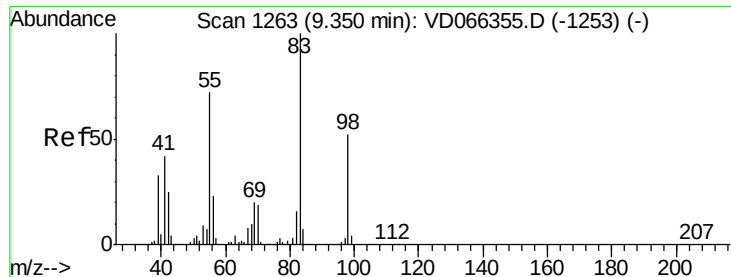
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#38
Carbon Tetrachloride
Concen: 59.706 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.2	77.2	115.8
121	29.9	25.8	38.8





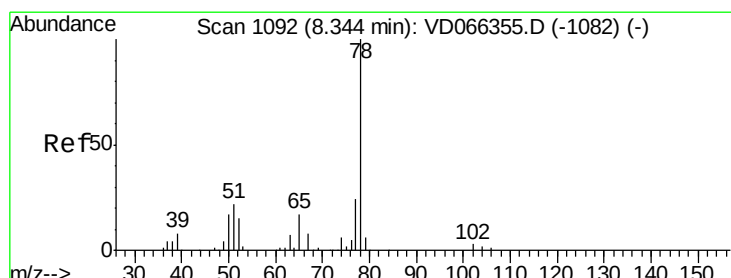
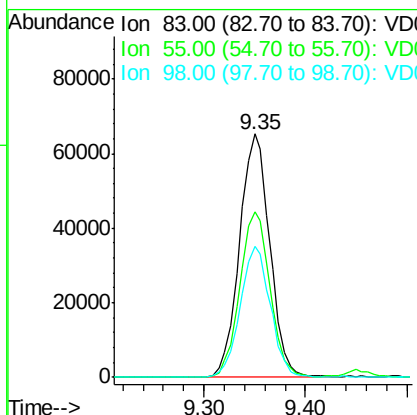
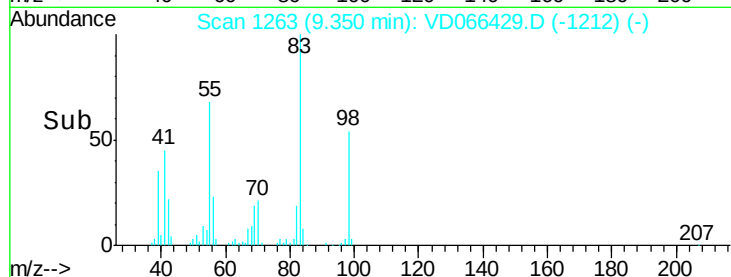
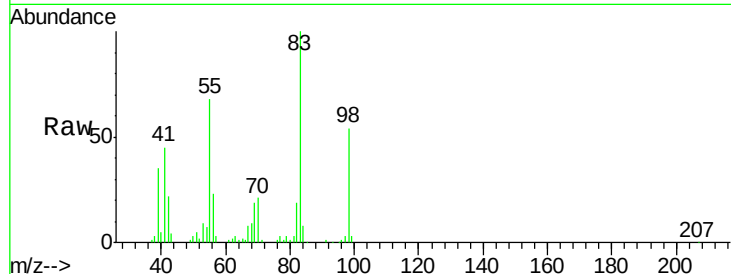
#39
Methylvlcyclohexane
Concen: 52.199 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	67.9	58.0	87.0	
98	53.7	41.9	62.9	

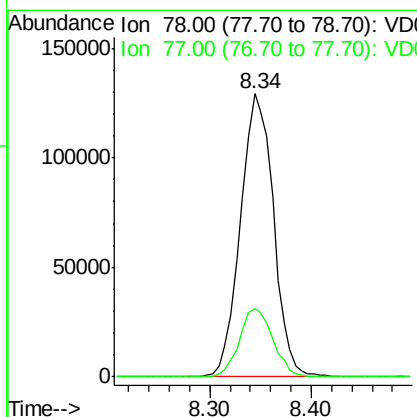
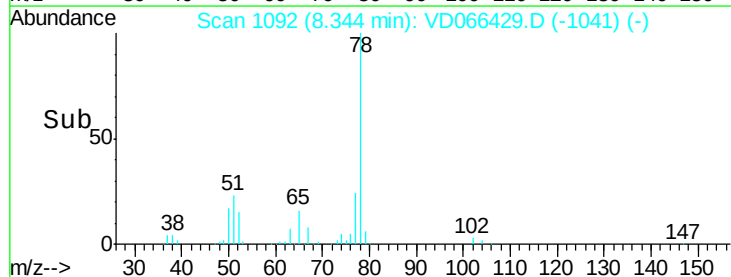
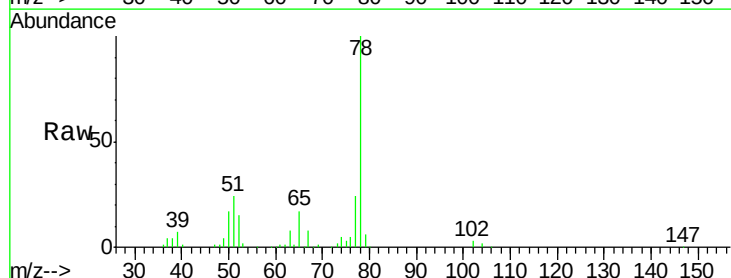
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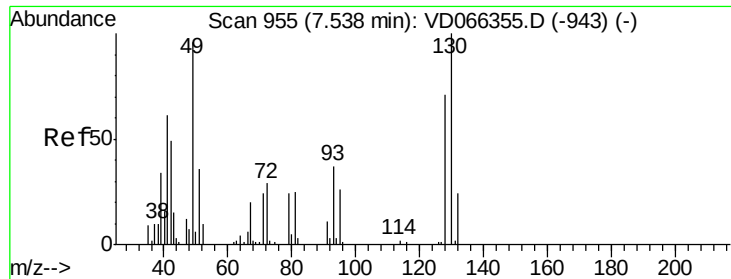
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#40
Benzene
Concen: 50.724 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.2	18.8	28.2	





#41

Methacrylonitrile

Concen: 47.885 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 22072

Ion Ratio Lower Upper

41 100

39 158.2 51.8 77.8#

67 0.0 0.0 0.0

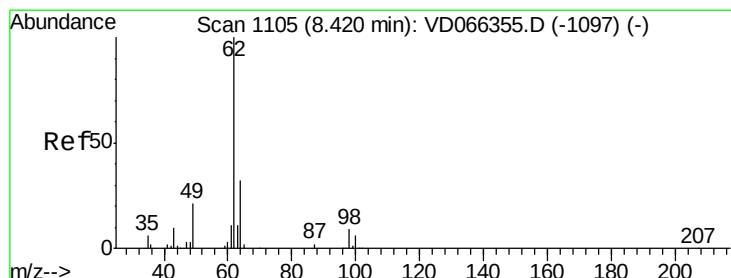
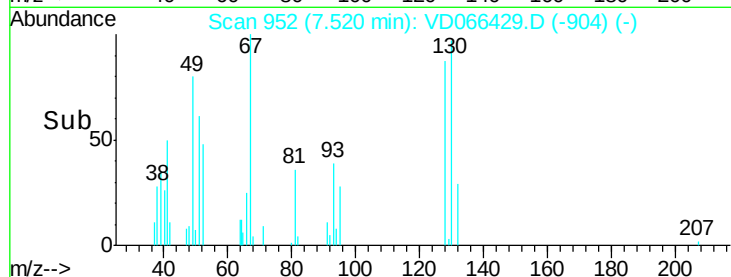
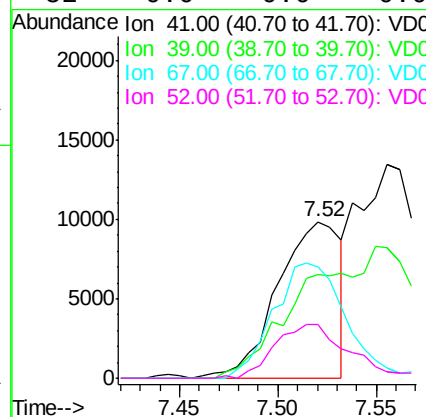
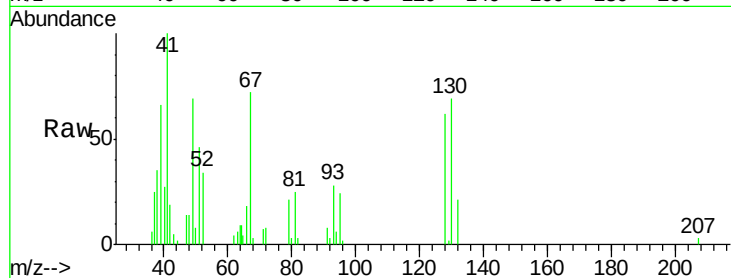
52 0.0 0.0 0.0

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#42

1,2-Dichloroethane

Concen: 56.177 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066429.D

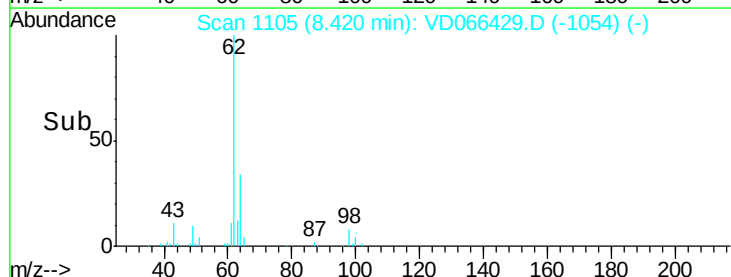
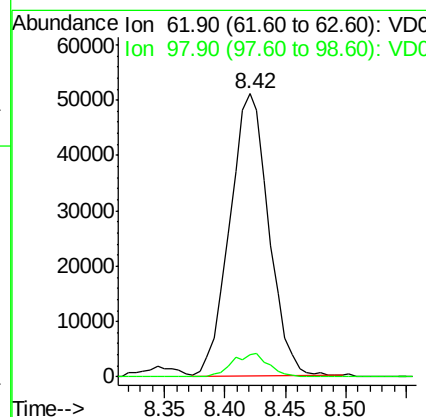
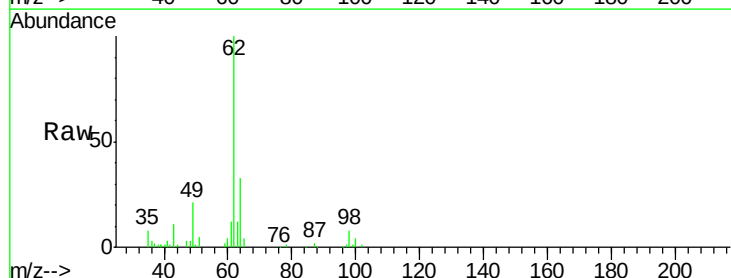
Acq: 27 Aug 2020 11:37

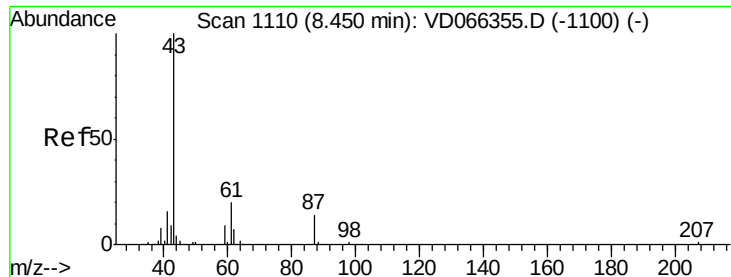
Tgt Ion: 62 Resp: 114386

Ion Ratio Lower Upper

62 100

98 7.9 0.0 16.2





#43

Isopropyl Acetate

Concen: 51.390 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

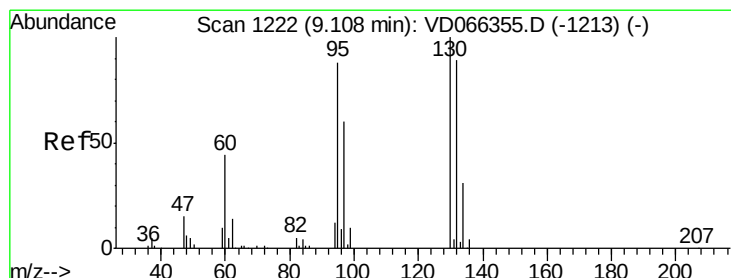
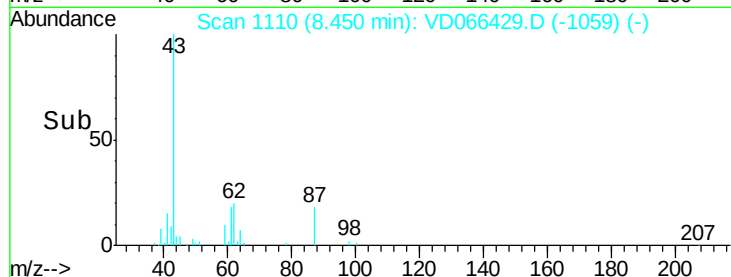
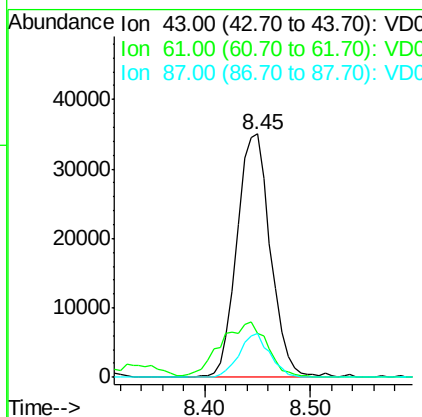
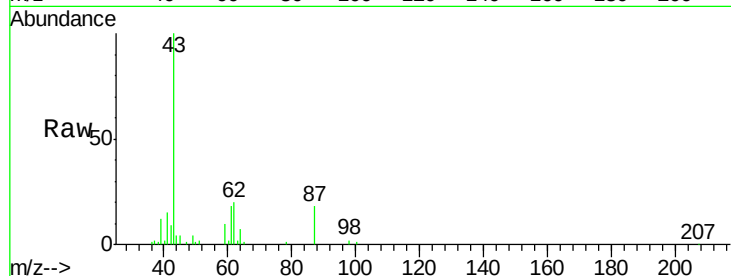
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	77098
Ion	Ratio	Lower	Upper
43	100		
61	31.9	26.5	39.7
87	16.5	11.9	17.9

Manual Integrations
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#44

Trichloroethene

Concen: 51.178 ug/l

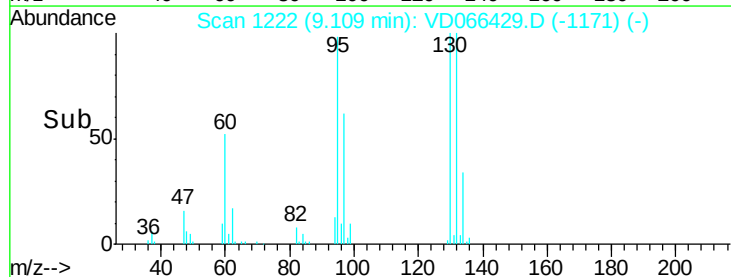
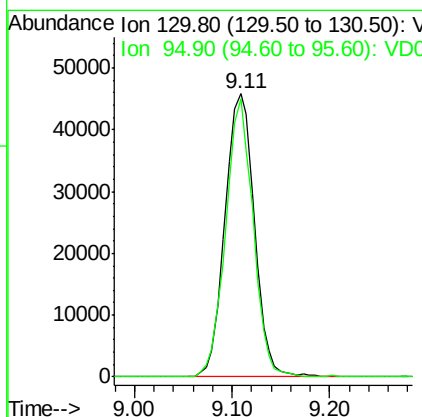
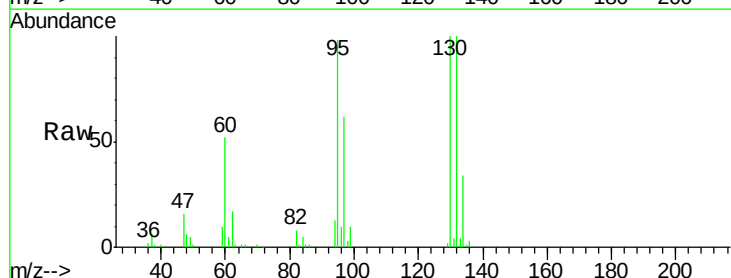
RT: 9.11 min Scan# 1222

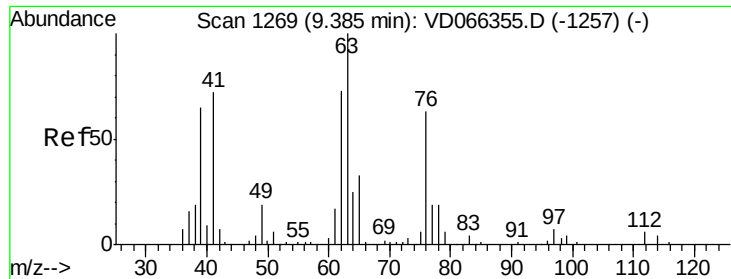
Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Tgt Ion:	130	Resp:	96141
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	175.6





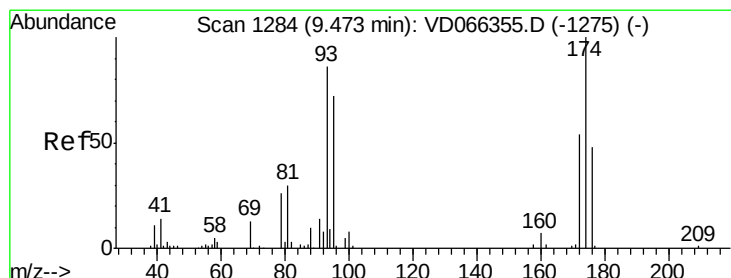
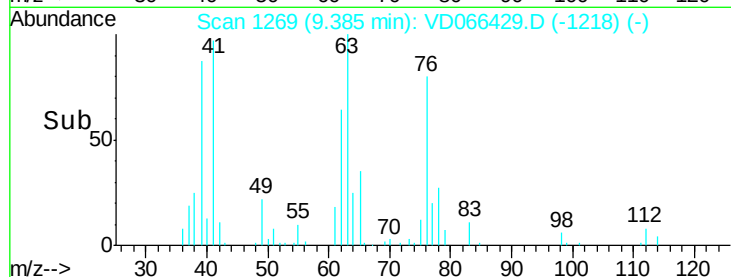
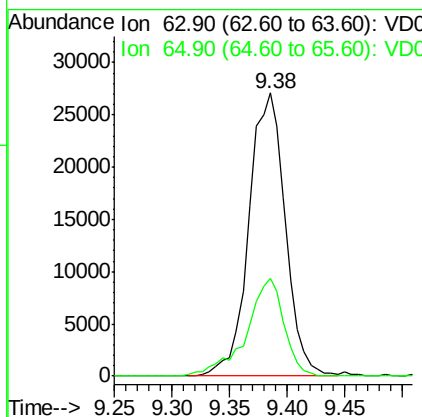
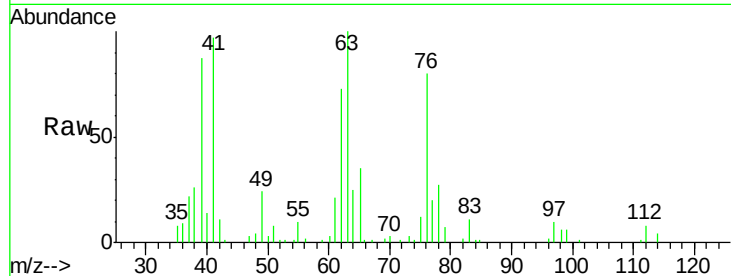
#45
 1,2-Dichloropropane
 Concen: 45.412 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 59519
 Ion Ratio Lower Upper
 63 100
 65 34.7 26.4 39.6

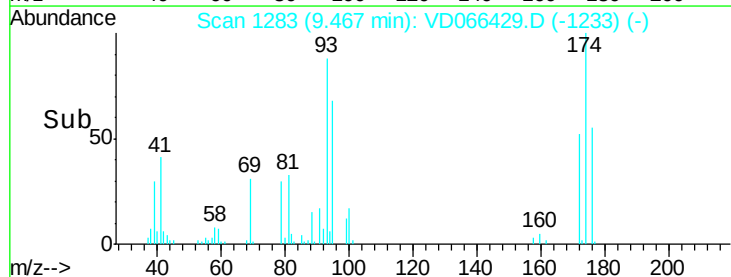
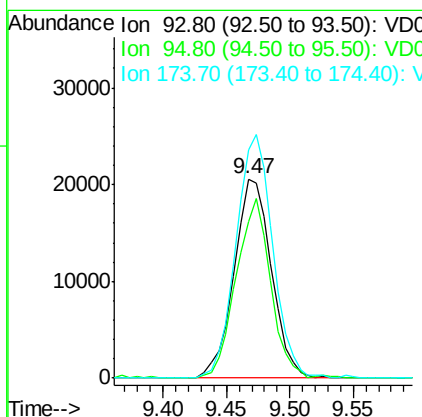
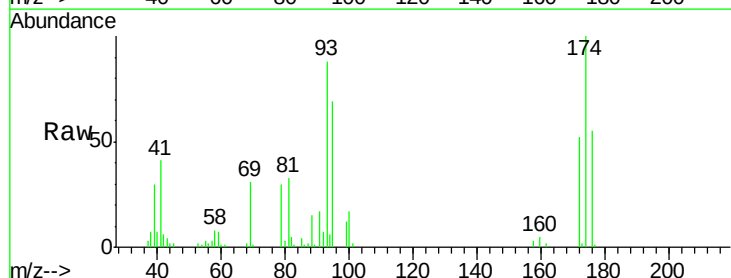
Manual Integrations
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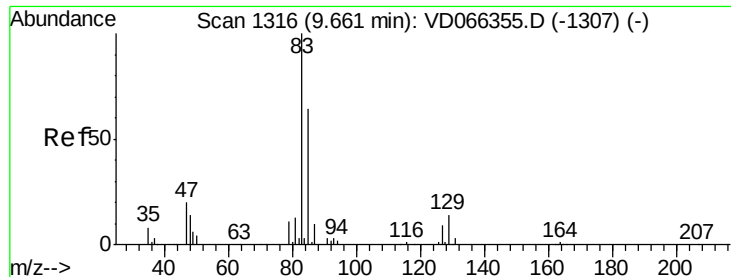
MMDadoda
 8/28/2020 3:18:58 PM



#46
 Dibromomethane
 Concen: 51.504 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Tgt Ion: 93 Resp: 42029
 Ion Ratio Lower Upper
 93 100
 95 83.0 66.0 99.0
 174 120.4 94.6 141.8





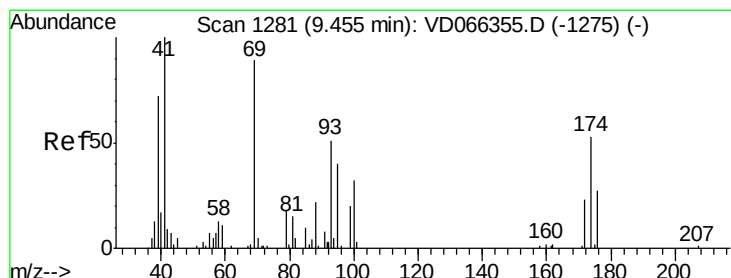
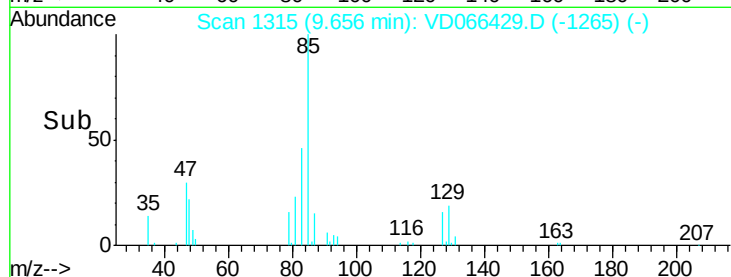
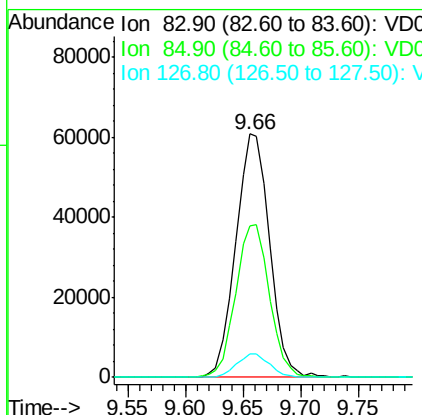
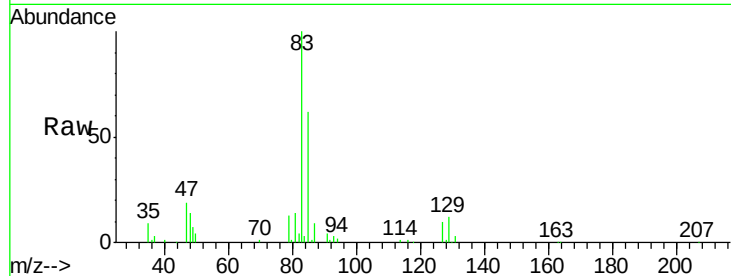
#47
Bromodichloromethane
Concen: 55.192 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	123860		
85	62.2		51.4	77.0
127	9.8		7.4	11.0

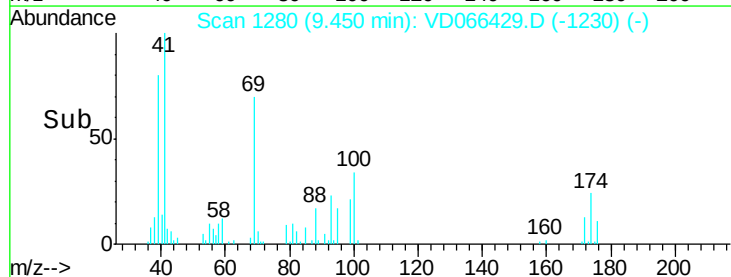
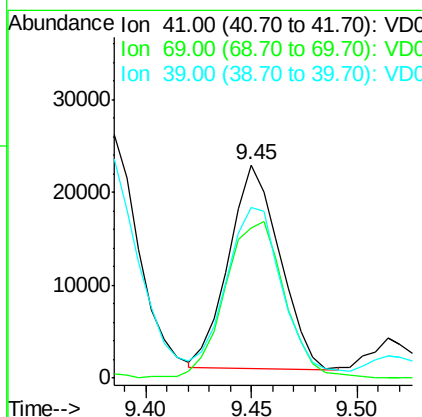
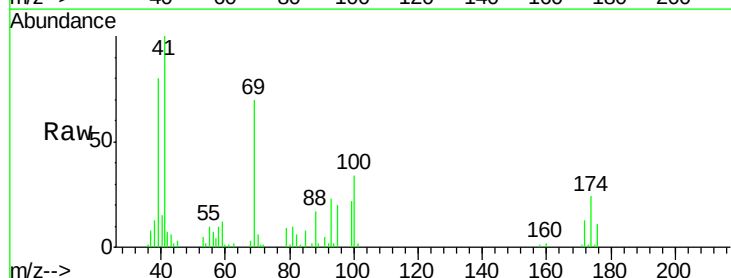
Manual Integrations
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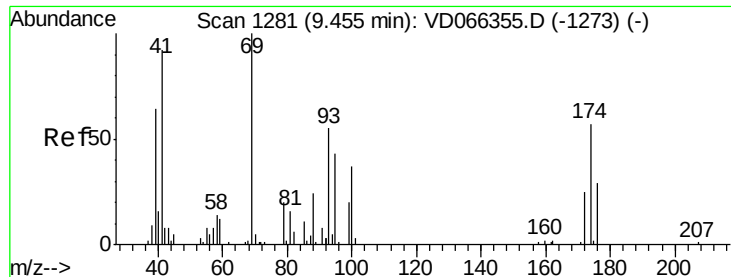
MMDadoda
8/28/2020 3:18:58 PM



#48
Methyl methacrylate
Concen: 47.506 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	36752		
69	90.4		75.5	113.3
39	85.7		57.0	85.4#





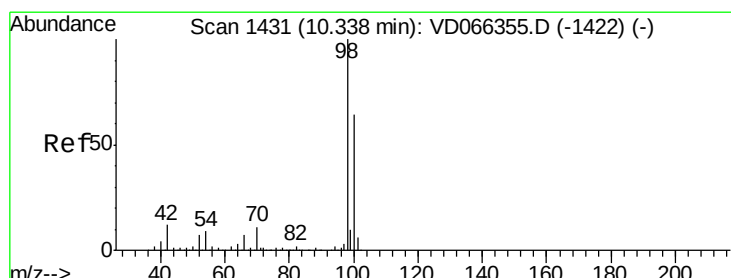
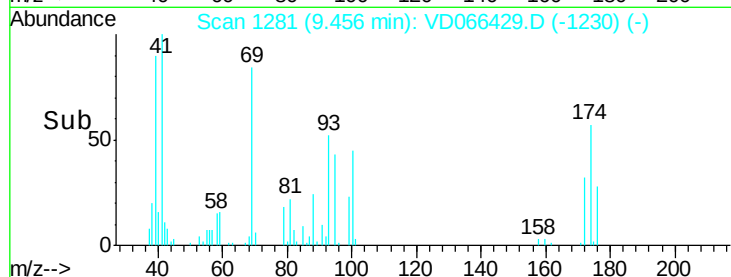
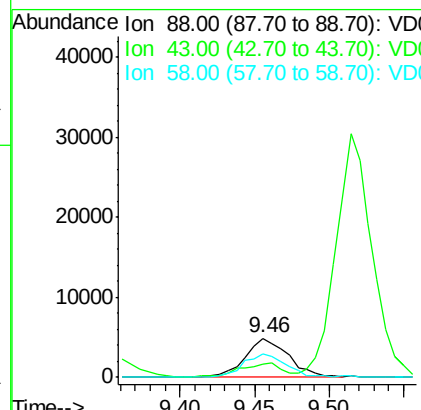
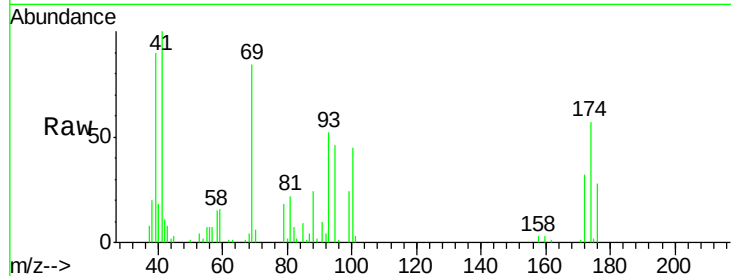
#49
1,4-Dioxane
Concen: 1030.868 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	29.4	44.0
58	59.1	45.4	68.2

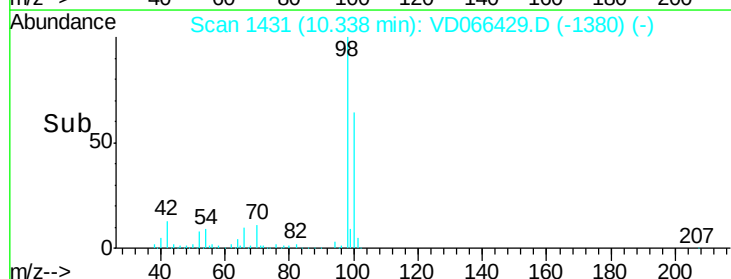
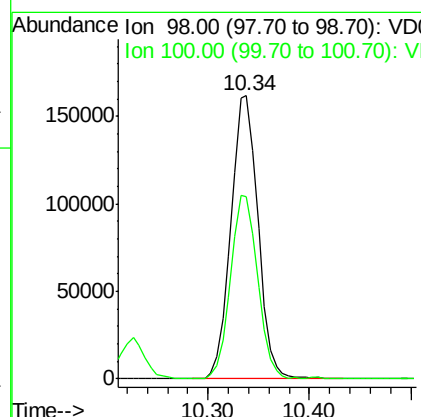
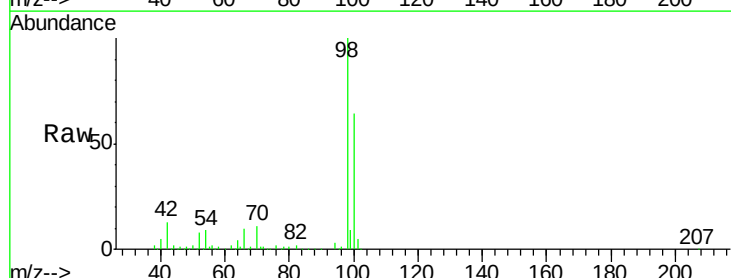
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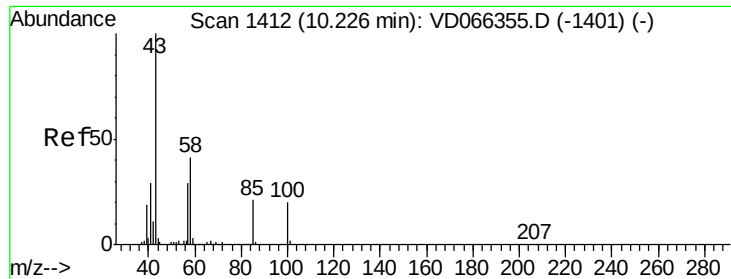
MMDadoda
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#50
Toluene-d8
Concen: 54.656 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 250.723 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 181964

Ion Ratio Lower Upper

43 100

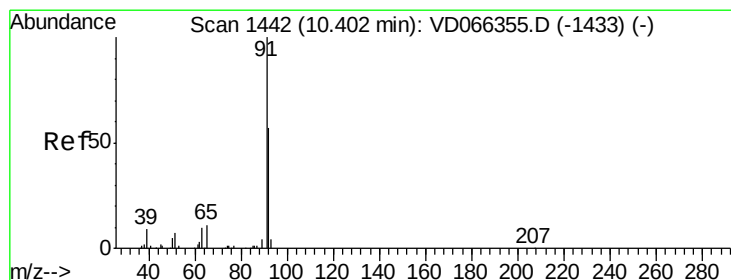
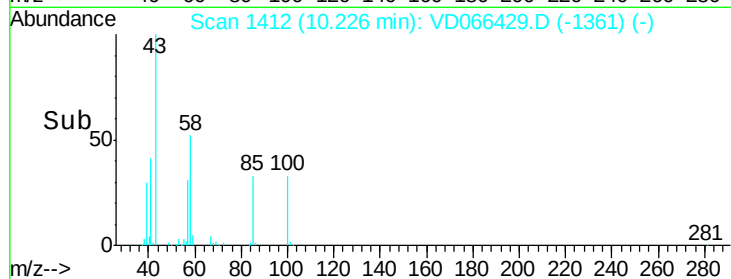
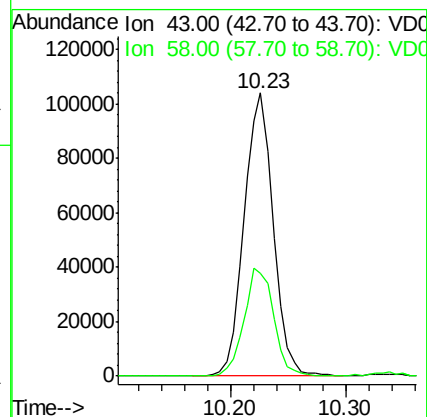
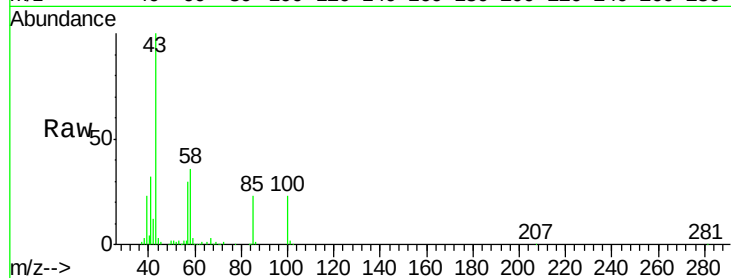
58 38.8 31.4 47.2

Manual Integrations

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8/28/2020 3:18:58 PM



#52

Toluene

Concen: 52.784 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066429.D

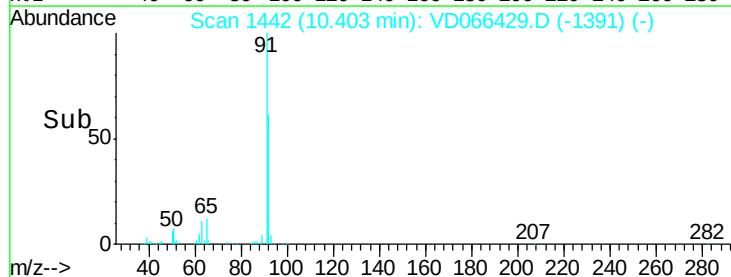
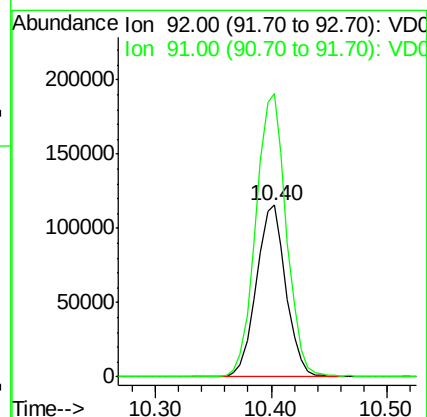
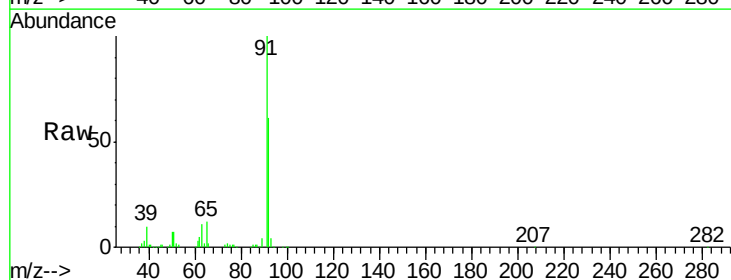
Acq: 27 Aug 2020 11:37

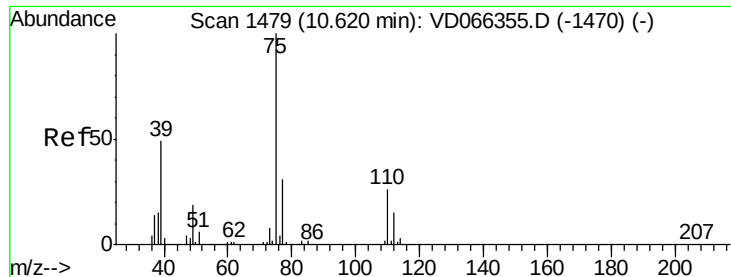
Tgt Ion: 92 Resp: 206747

Ion Ratio Lower Upper

92 100

91 170.6 135.8 203.6





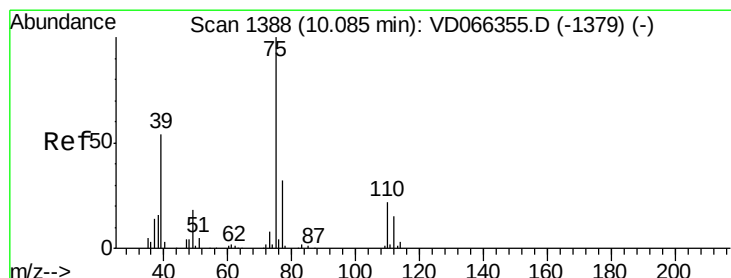
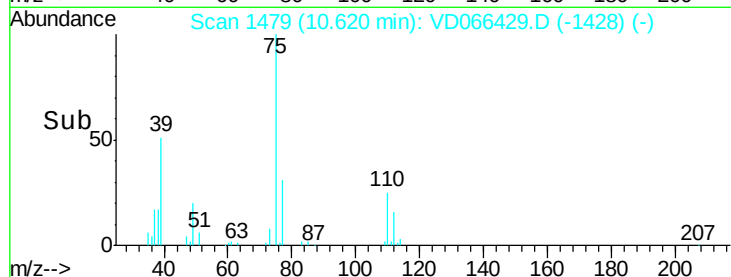
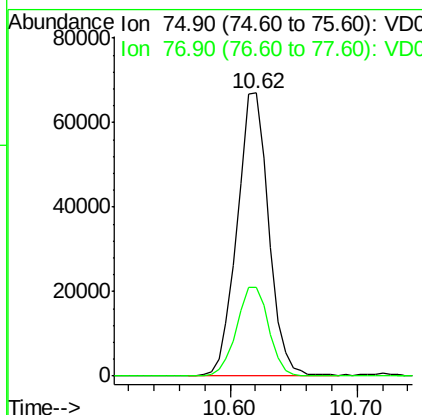
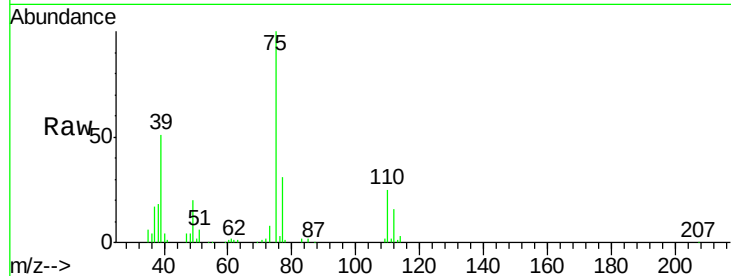
#53
 t-1,3-Dichloropropene
 Concen: 54.524 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 116104
 Ion Ratio Lower Upper
 75 100
 77 31.2 24.5 36.7

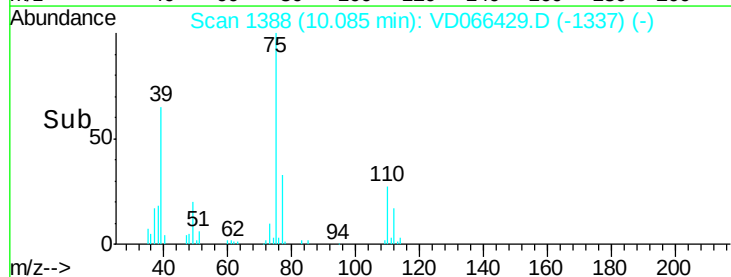
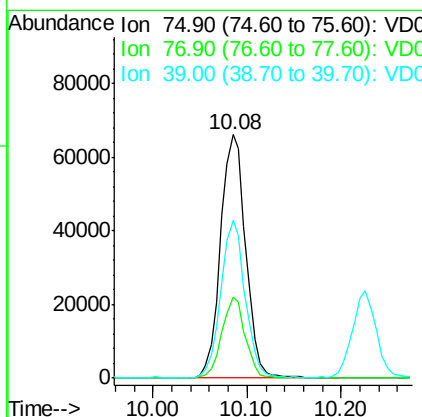
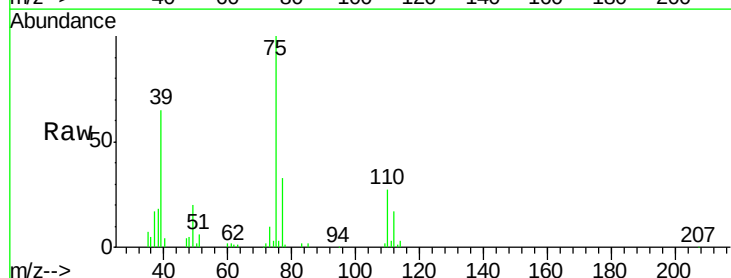
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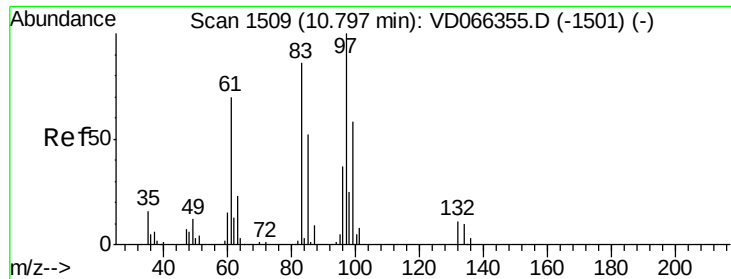
MMDadoda
 8/28/2020 3:18:58 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.661 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Tgt Ion: 75 Resp: 123479
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.6 38.4
 39 64.9 43.4 65.0





#55

1,1,2-Trichloroethane

Concen: 48.663 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 53759

Ion Ratio Lower Upper

97 100

83 81.0 68.4 102.6

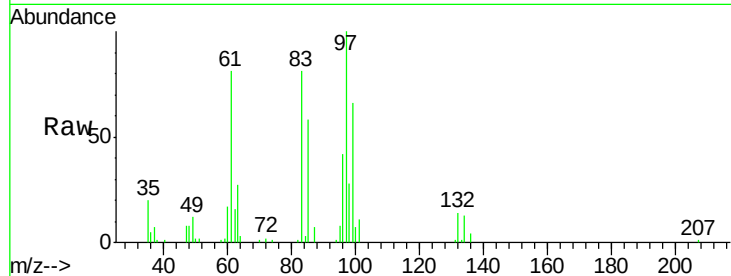
85 58.0 41.3 61.9

99 66.0 46.1 69.1

Manual Integrations
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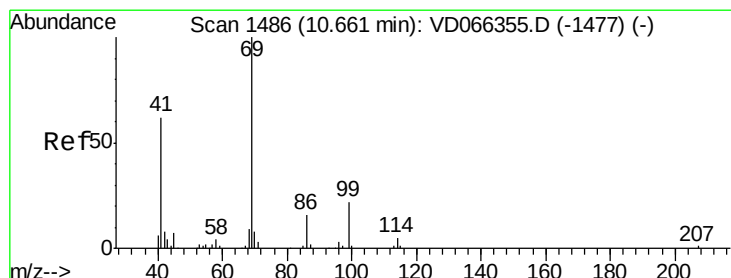
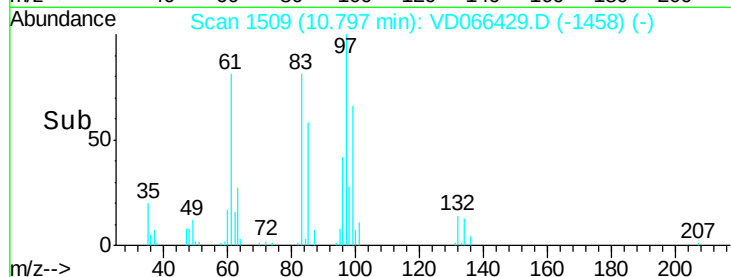
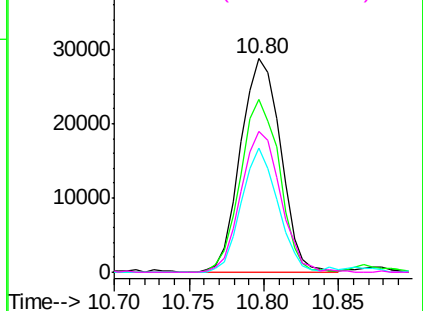


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 52.006 ug/l

RT: 10.66 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

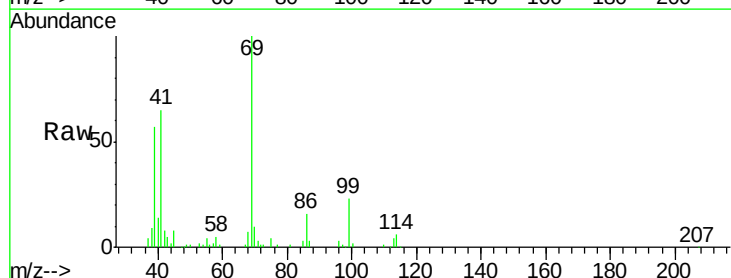
Tgt Ion: 69 Resp: 66508

Ion Ratio Lower Upper

69 100

41 67.8 50.8 76.2

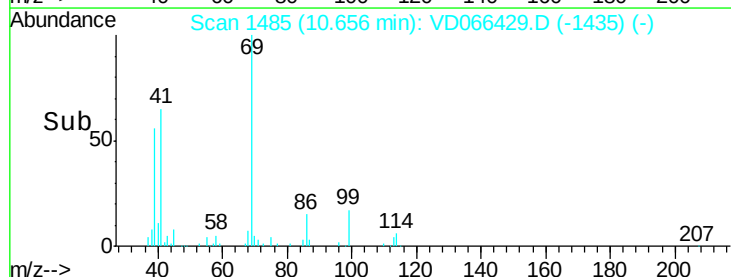
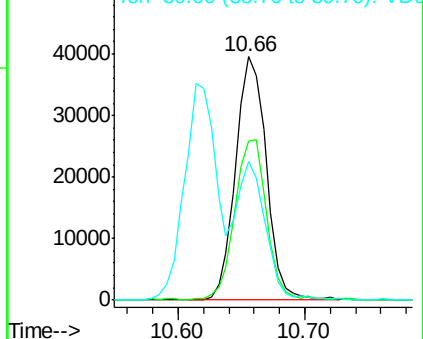
39 54.3 32.9 49.3#

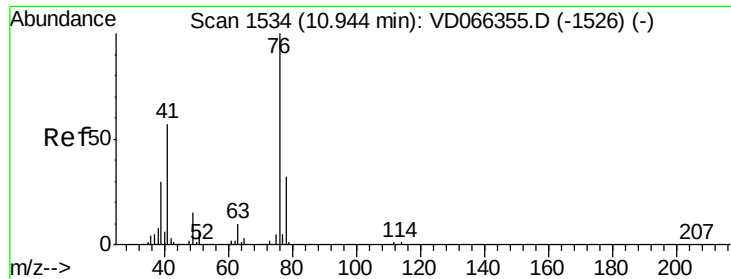


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





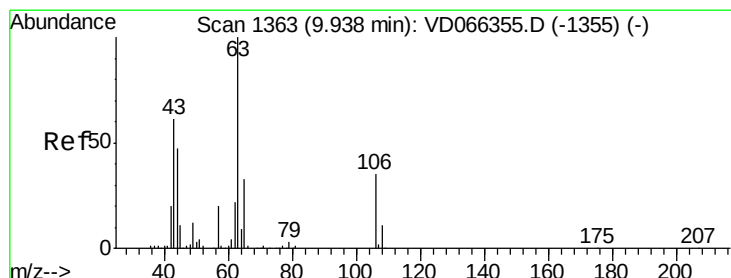
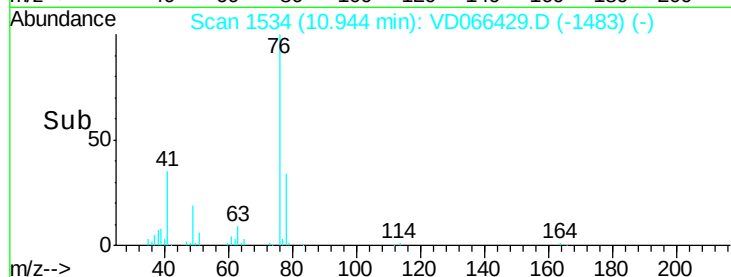
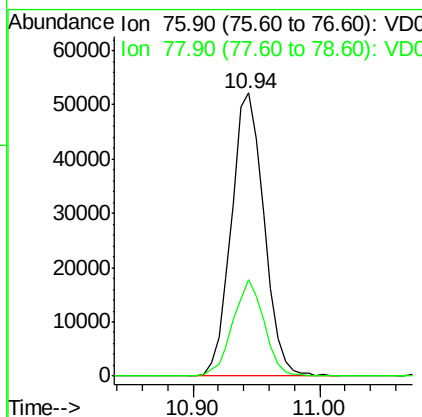
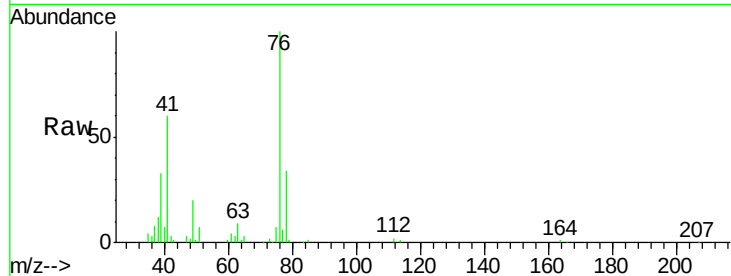
#57
 1,3-Dichloropropane
 Concen: 50.932 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 93070
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

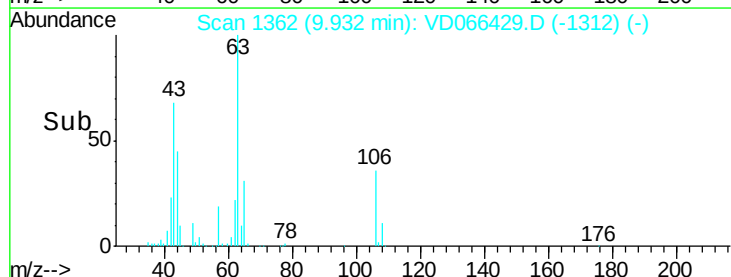
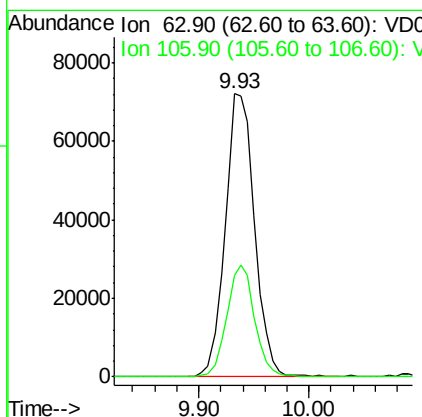
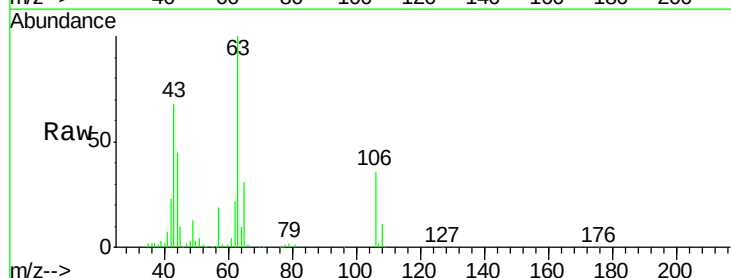
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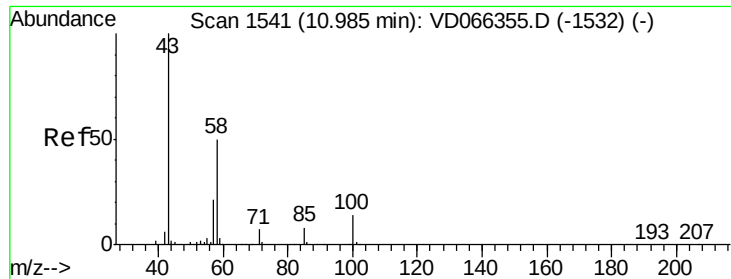
MMDadoda
 8/28/2020 3:18:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 252.507 ug/l
 RT: 9.93 min Scan# 1362
 Delta R.T. -0.01 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Tgt Ion: 63 Resp: 134118
 Ion Ratio Lower Upper
 63 100
 106 37.3 27.1 40.7





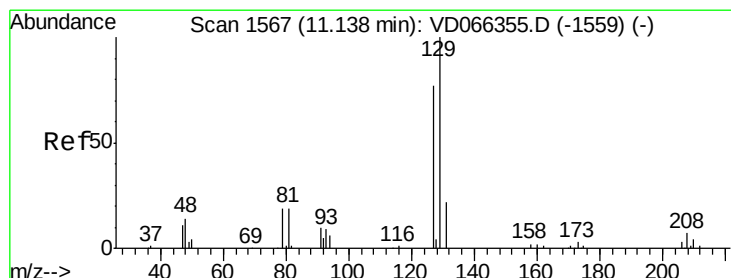
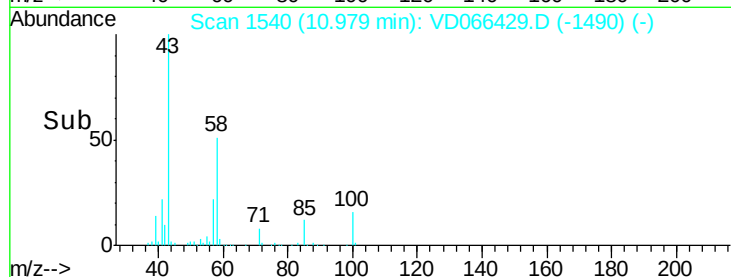
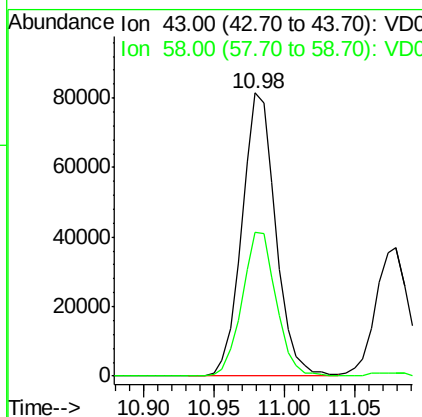
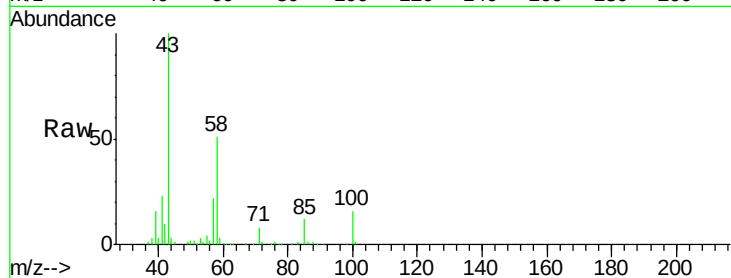
#59
2-Hexanone
Concen: 266.255 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.2	26.3	78.8

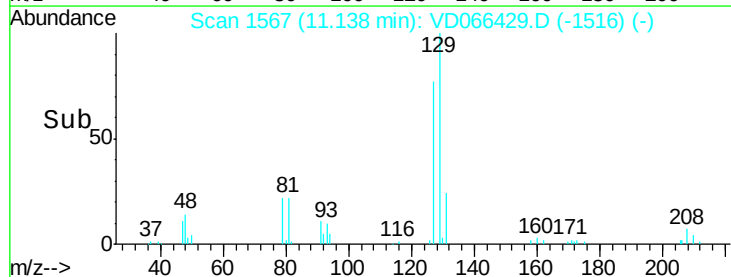
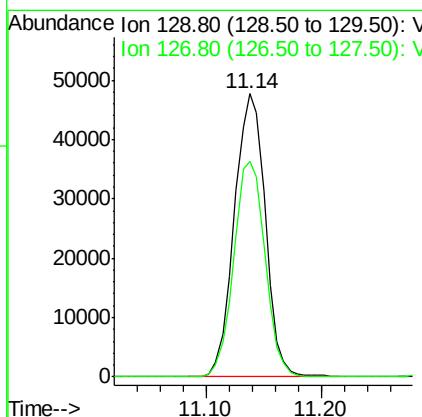
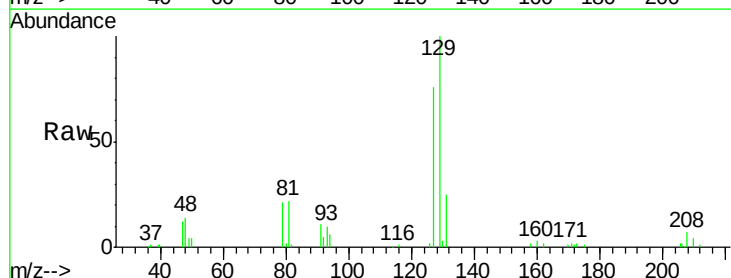
Manual Integrations
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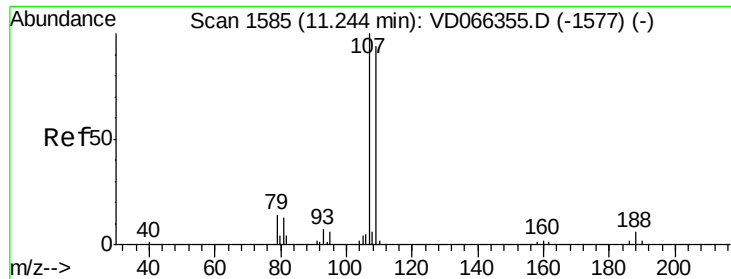
MMDadoda
8/28/2020 3:18:58 PM



#60
Dibromochloromethane
Concen: 53.147 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	39.0	117.0





#61

1,2-Dibromoethane

Concen: 50.238 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 54617

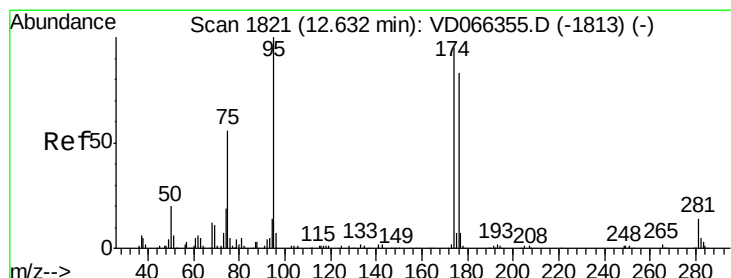
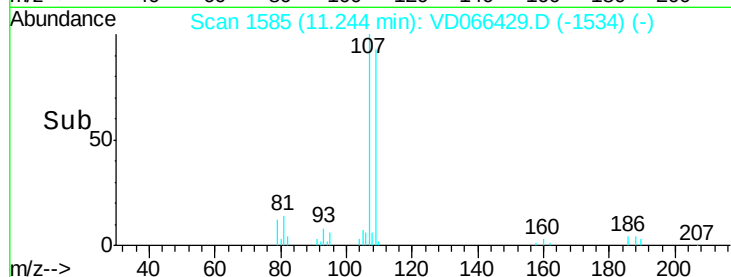
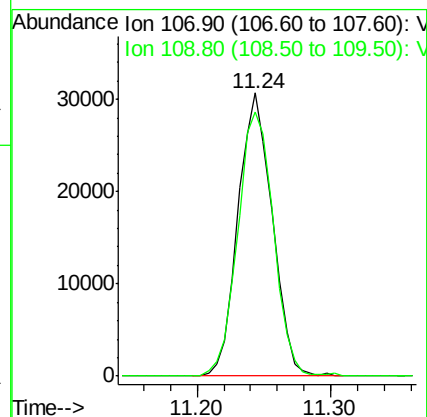
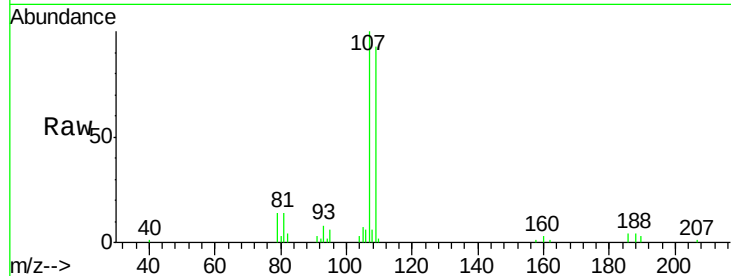
Ion Ratio Lower Upper

107 100

109 96.8 77.8 116.8

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 54.299 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

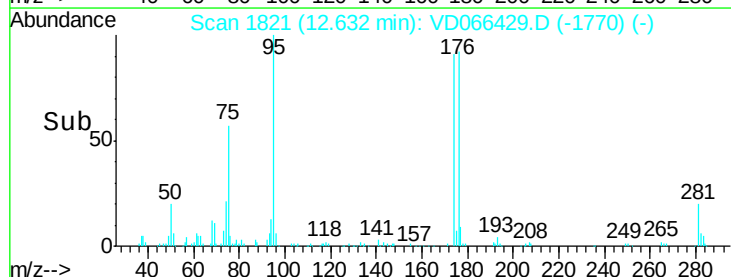
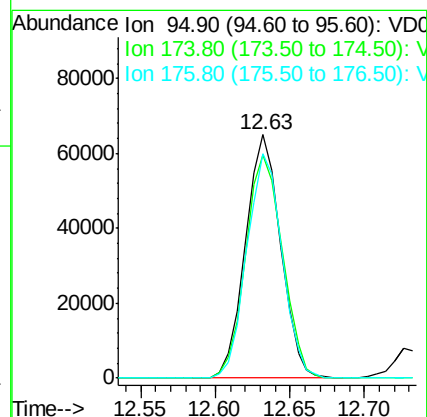
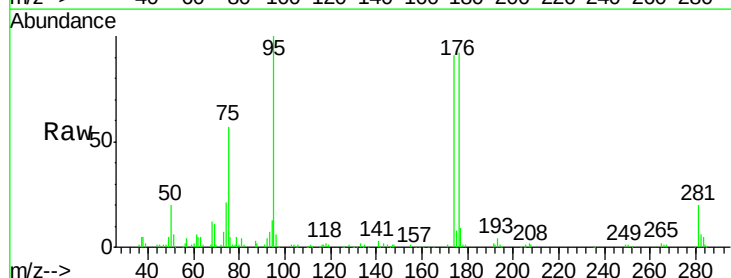
Tgt Ion: 95 Resp: 106176

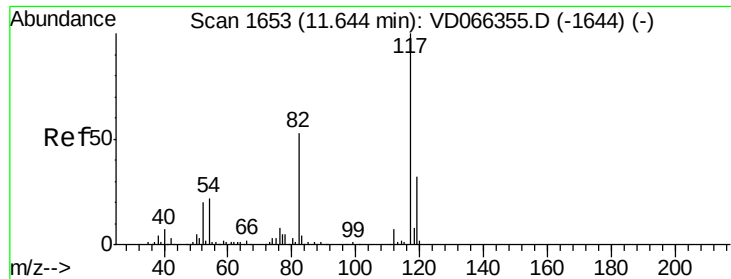
Ion Ratio Lower Upper

95 100

174 95.4 0.0 183.4

176 92.3 0.0 173.8





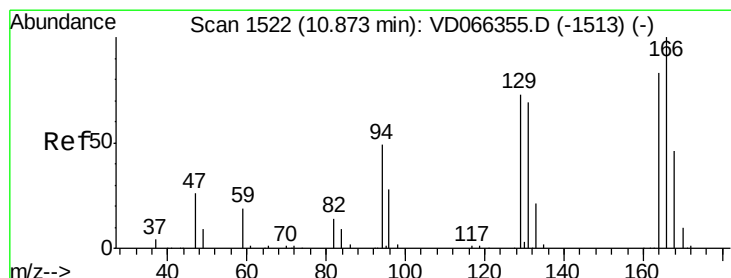
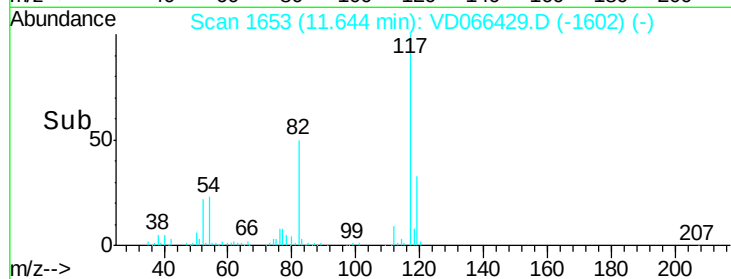
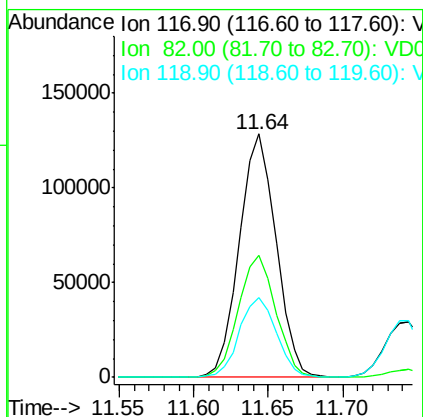
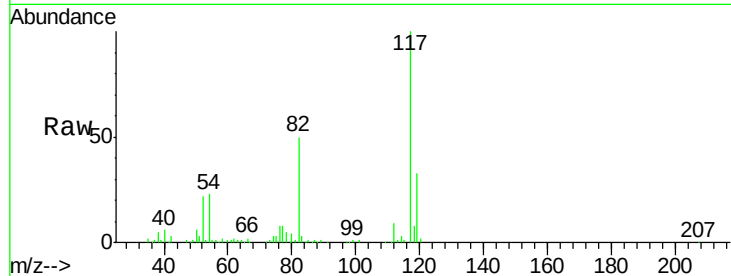
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	220047		
82	50.4		42.8	64.2
119	32.8		25.8	38.8

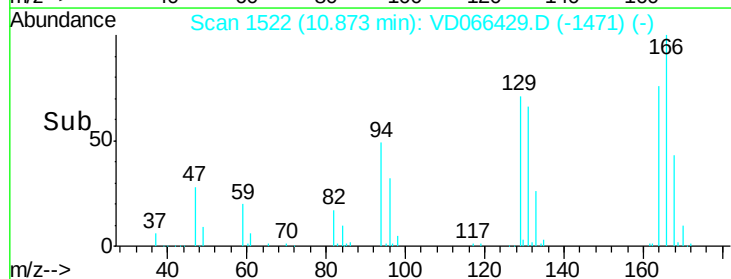
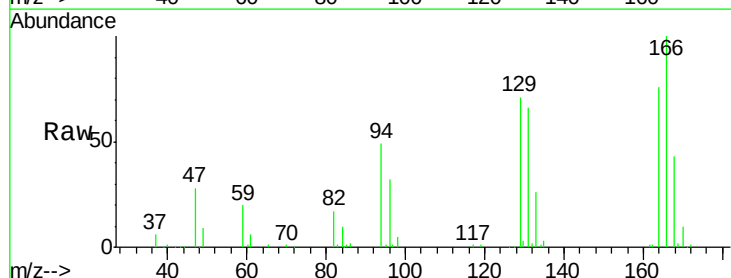
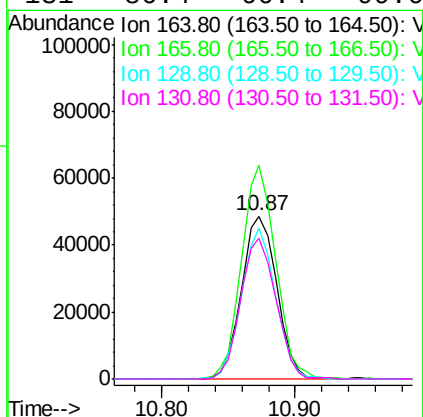
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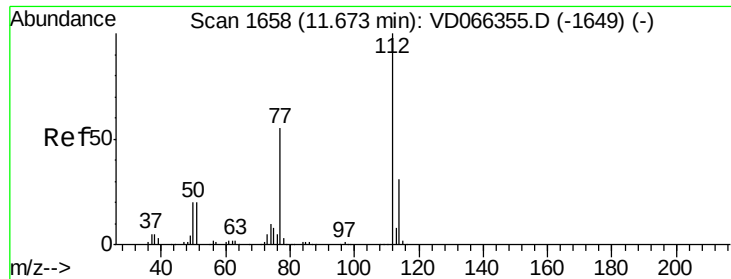
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#64
Tetrachloroethene
Concen: 53.131 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88690		
166	131.0		96.2	144.4
129	92.8		70.3	105.5
131	86.4		66.4	99.6





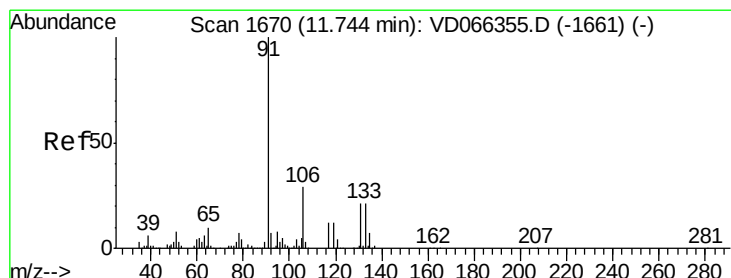
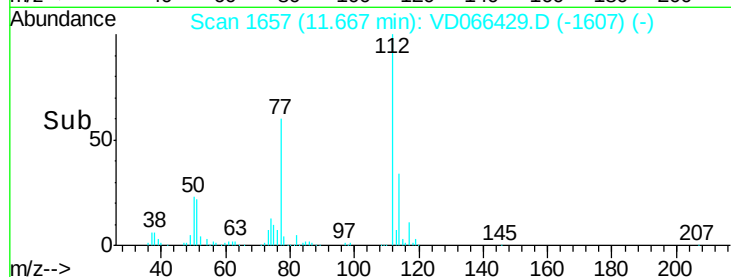
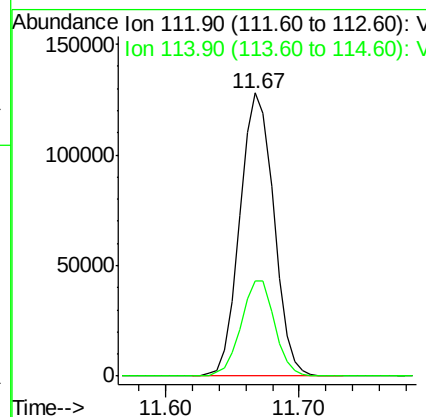
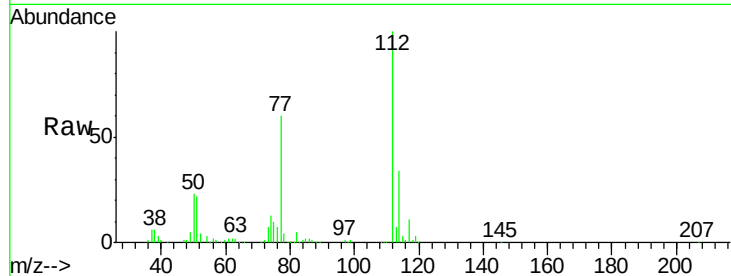
#65
Chlorobenzene
Concen: 51.419 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.1	37.7

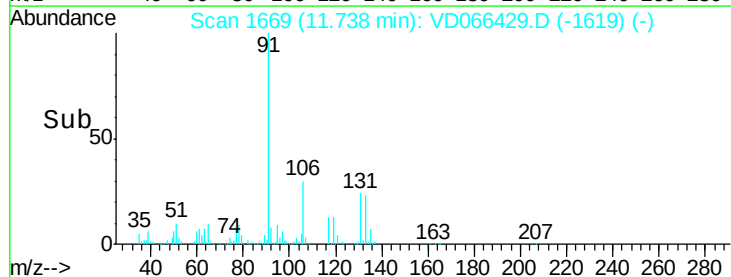
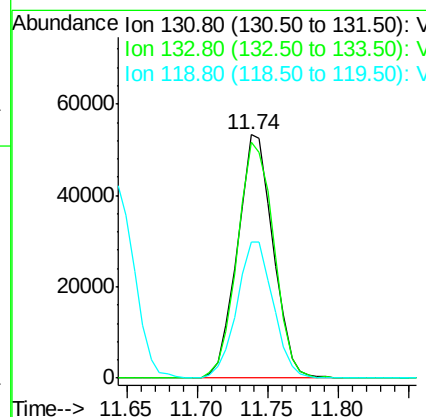
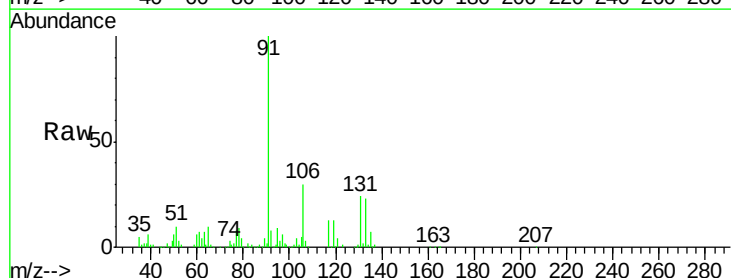
Manual Integrations
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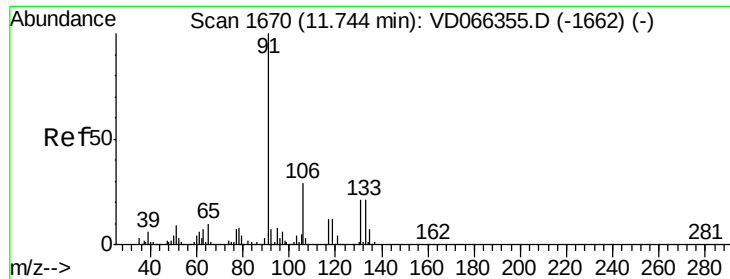
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.643 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.1	48.6	145.9
119	57.0	29.0	87.1





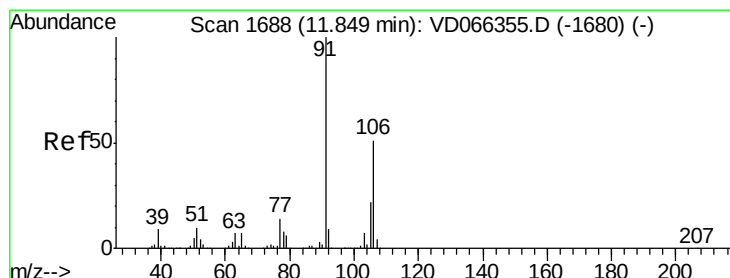
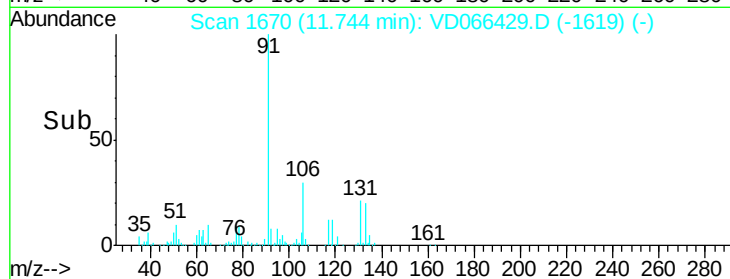
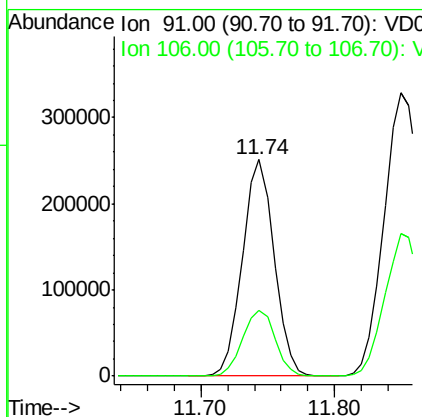
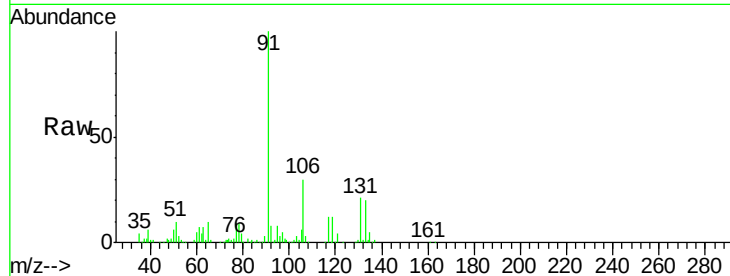
#67
Ethyl Benzene
Concen: 53.546 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 412630
Ion Ratio Lower Upper
91 100
106 30.2 23.4 35.2

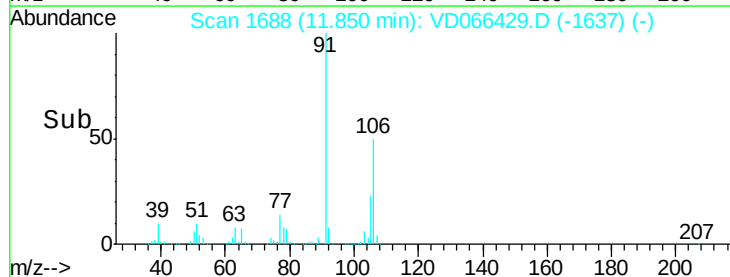
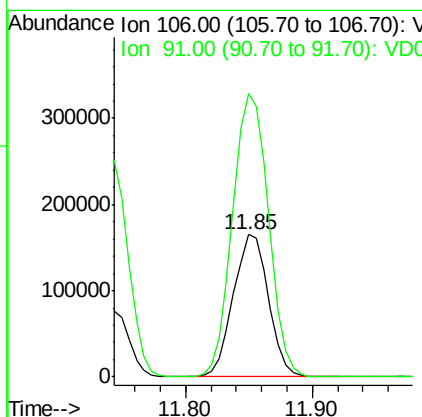
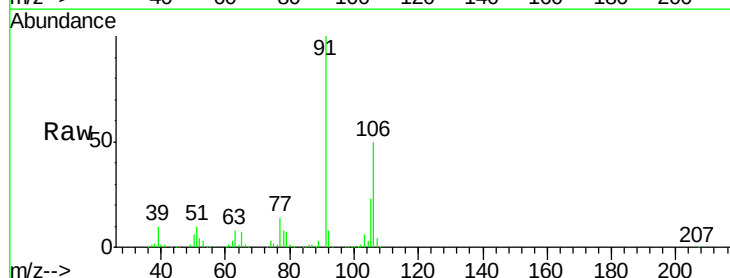
Manual Integrations
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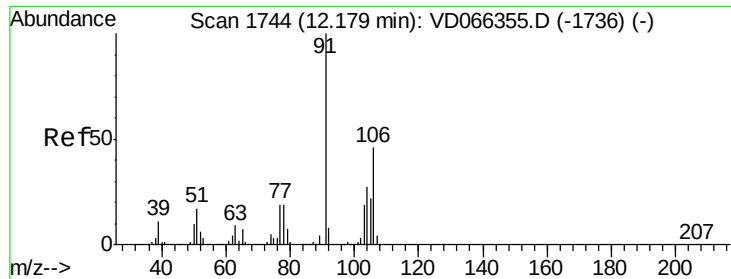
MMDadoda
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#68
m/p-Xylenes
Concen: 107.813 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion: 106 Resp: 316671
Ion Ratio Lower Upper
106 100
91 204.1 160.7 241.1





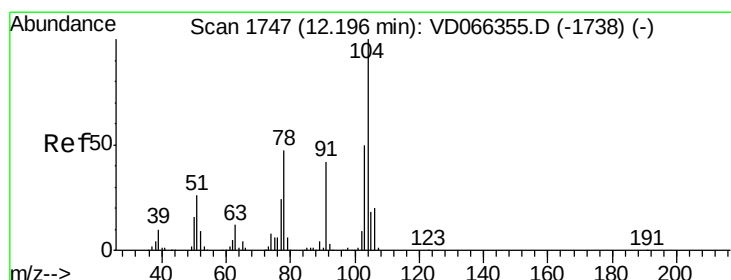
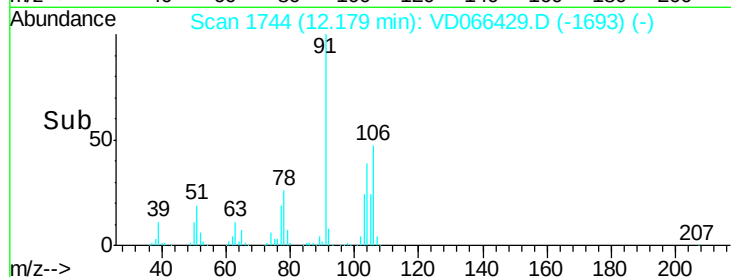
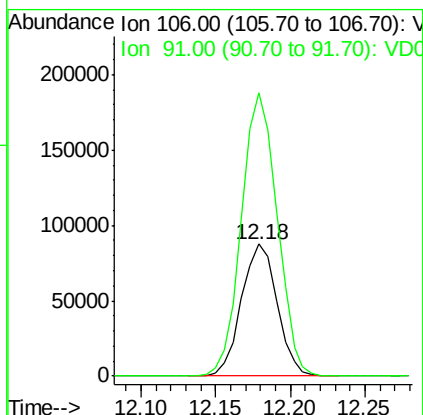
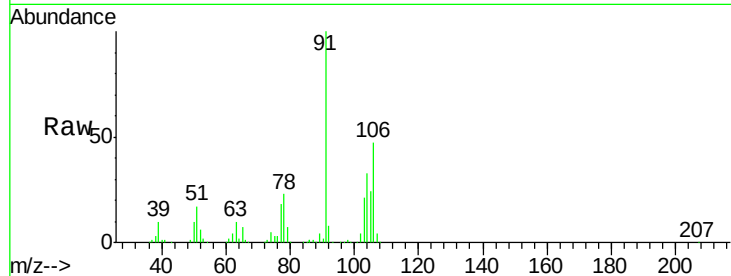
#69
o-Xylene
Concen: 53.195 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		145354		
91	214.8	109.1	327.3		

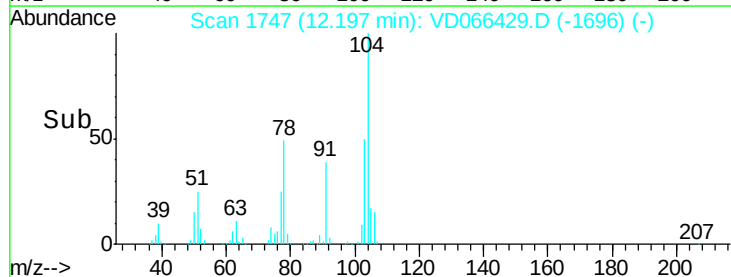
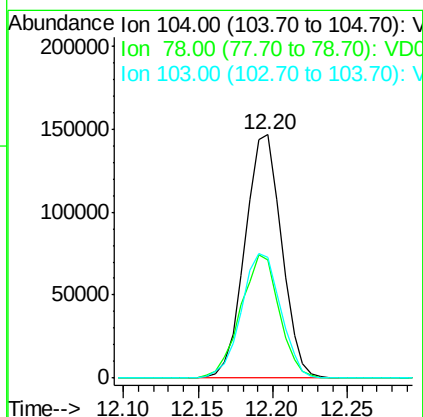
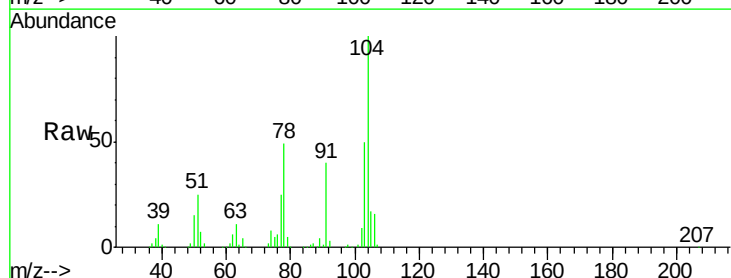
Manual Integrations
APPROVED

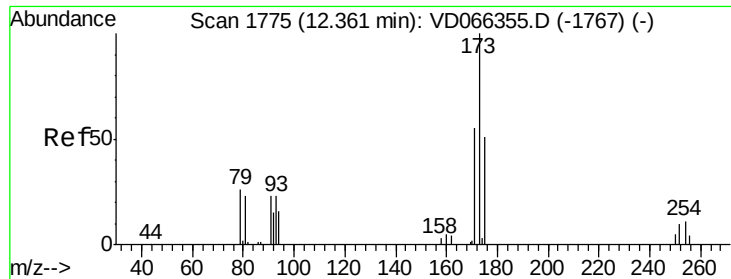
MMDadoda
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#70
Styrene
Concen: 53.016 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		248739		
78	53.8	41.7	62.5		
103	55.3	43.5	65.3		





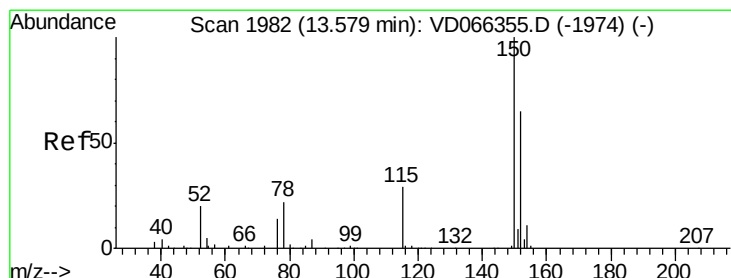
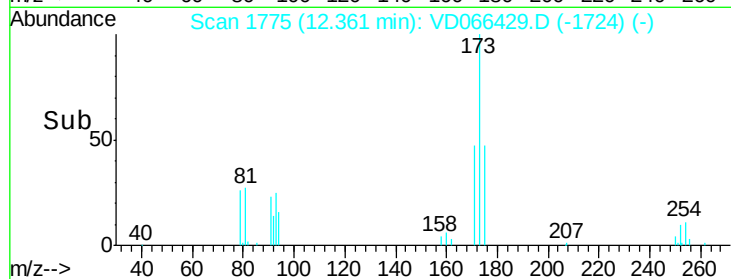
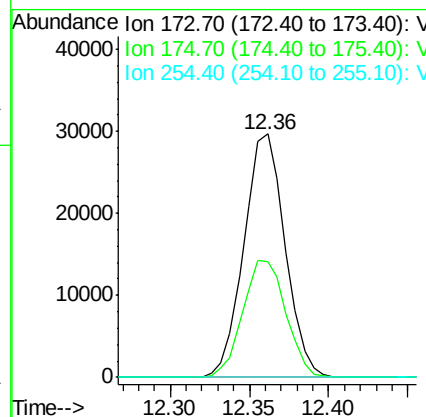
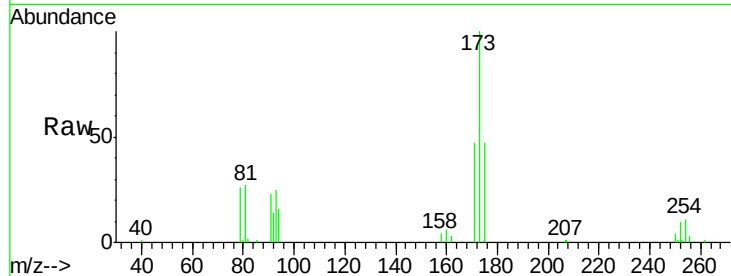
#71
Bromoform
Concen: 52.704 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.8	74.3
254	0.0	0.0	0.0

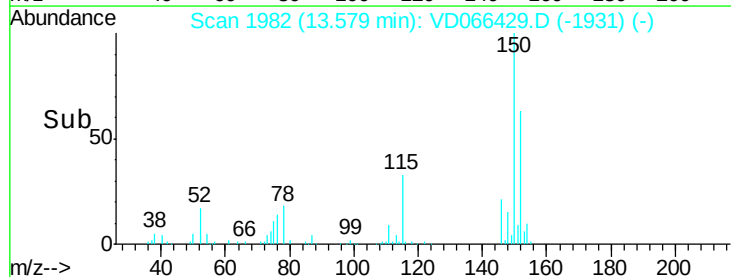
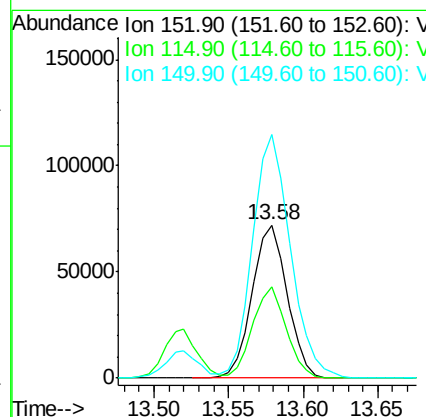
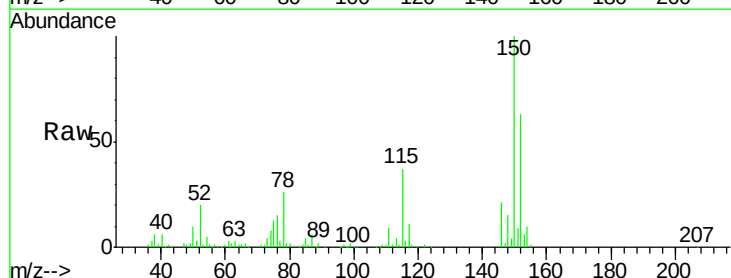
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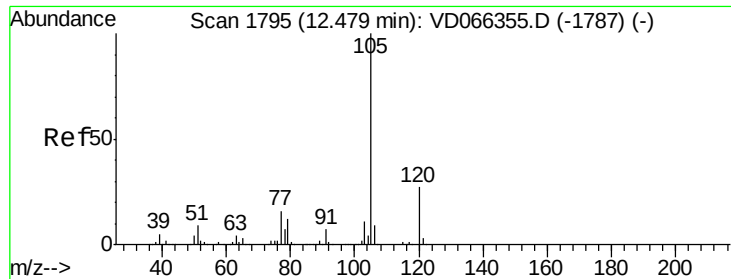
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.3	85.0
150	171.6	0.0	343.2





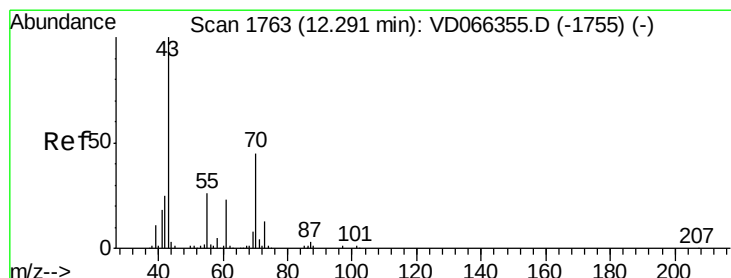
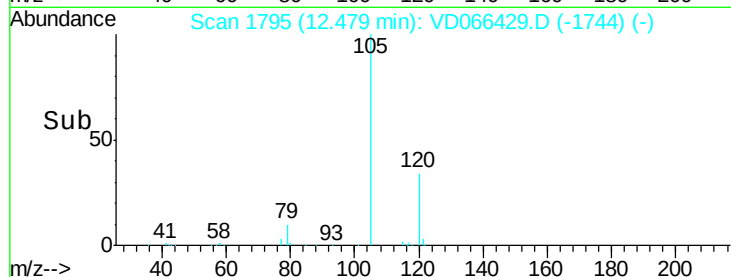
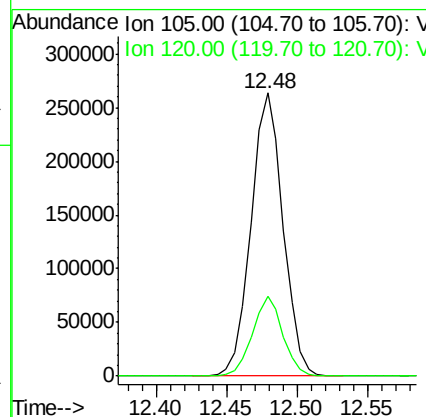
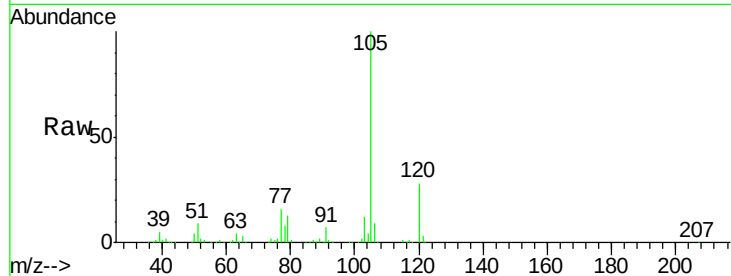
#73
Isopropylbenzene
Concen: 53.597 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.6	40.8

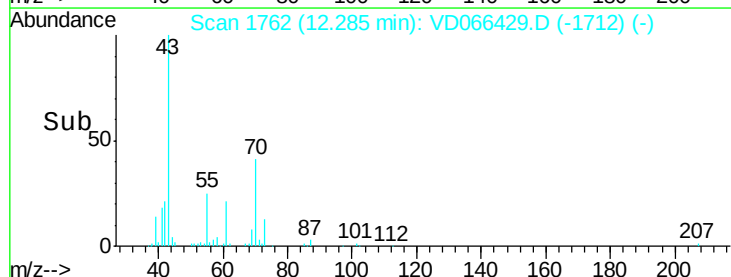
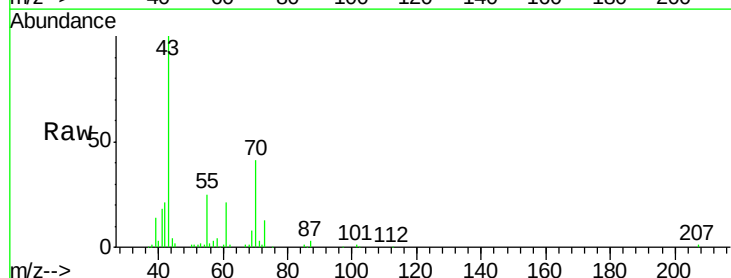
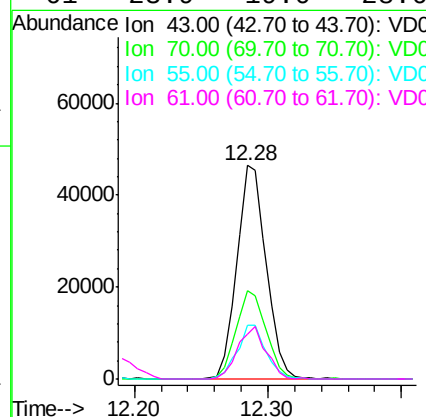
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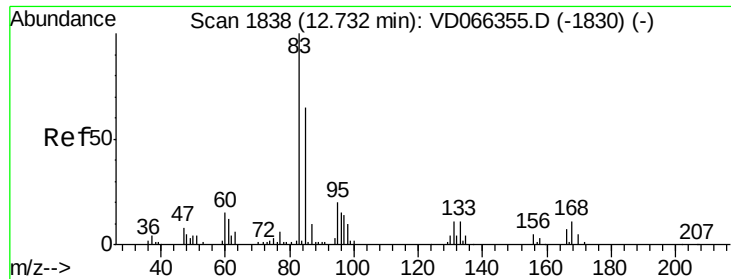
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#74
N-ethyl acetate
Concen: 50.281 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.5	34.8	52.2
55	24.7	20.3	30.5
61	23.9	19.0	28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.499 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

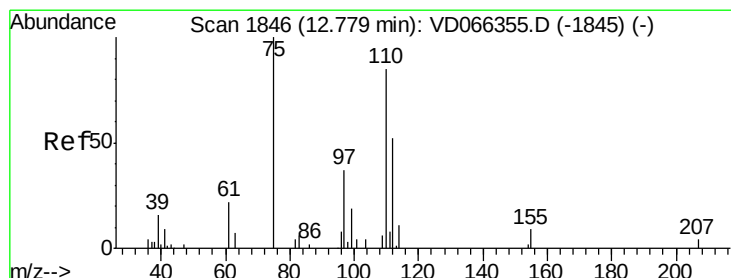
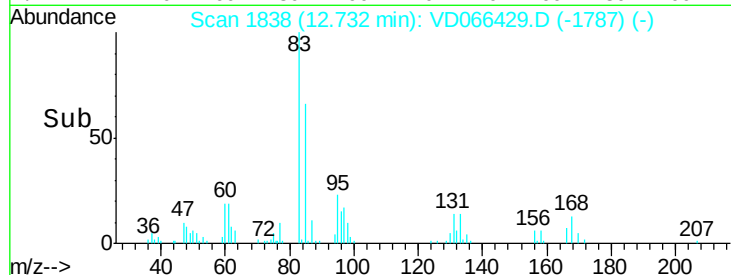
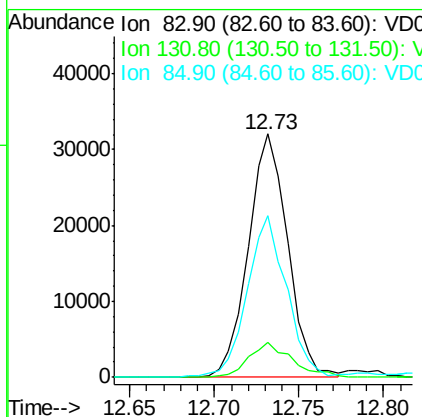
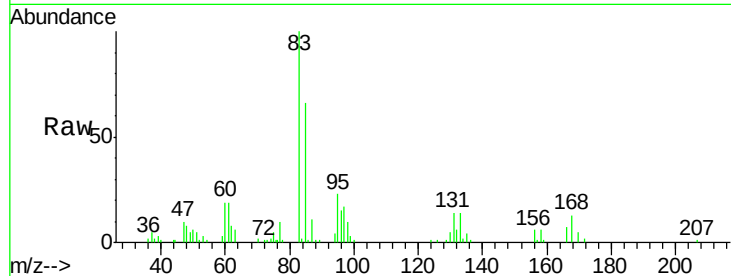
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	51984
Ion Ratio	Lower	Upper	
83	100		
131	15.7	7.0	20.9
85	66.6	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 48.568 ug/l m

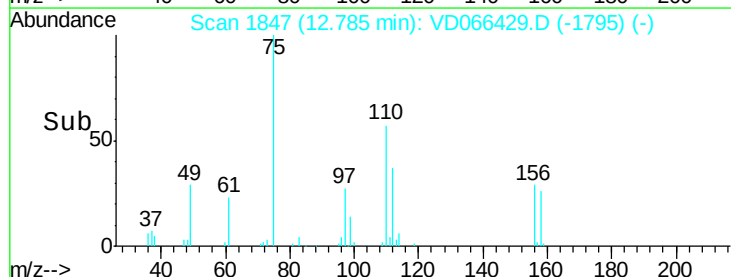
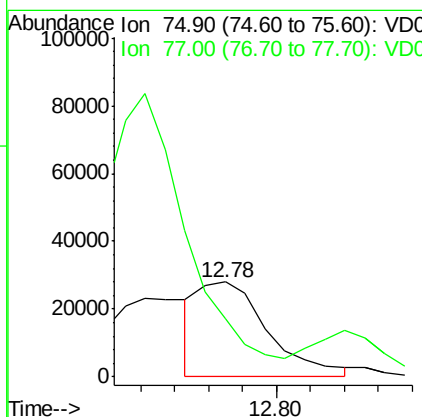
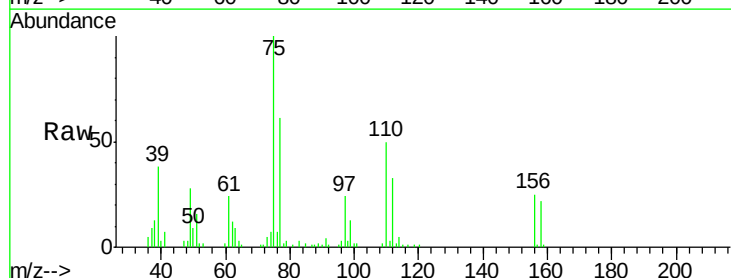
RT: 12.78 min Scan# 1847

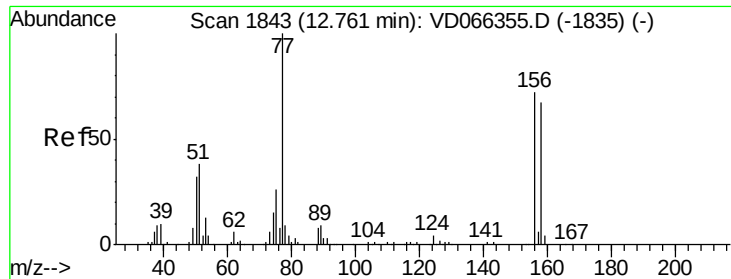
Delta R.T. 0.01 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Tgt Ion:	75	Resp:	39916
Ion Ratio	Lower	Upper	
75	100		
77	0.0	182.9	548.9#





#77

Bromobenzene

Concen: 53.411 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

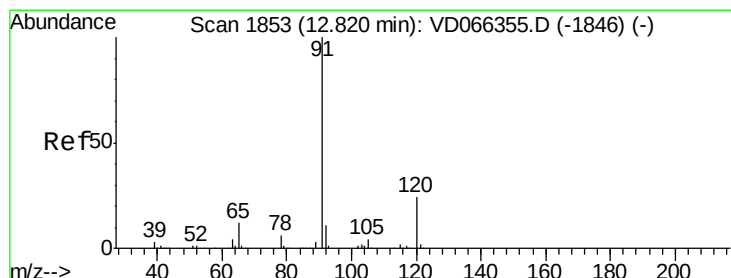
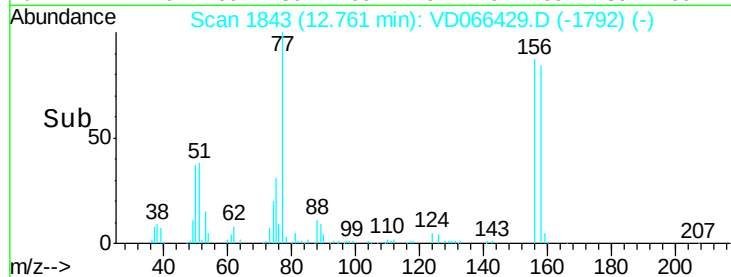
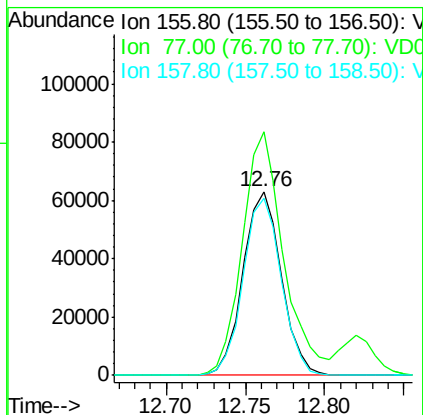
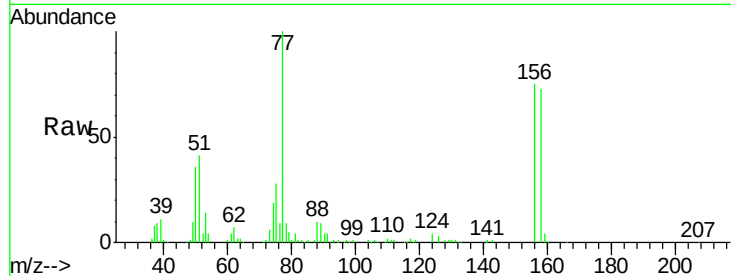
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		106091		
77	143.0	76.1	228.3		
158	95.5	47.6	142.9		

Manual Integrations
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#78

n-propylbenzene

Concen: 51.928 ug/l

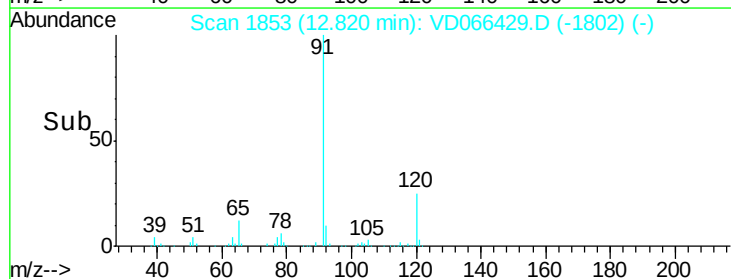
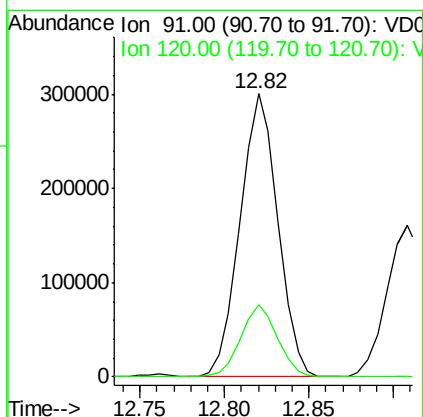
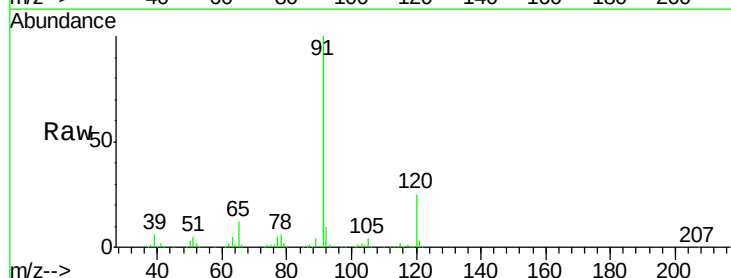
RT: 12.82 min Scan# 1853

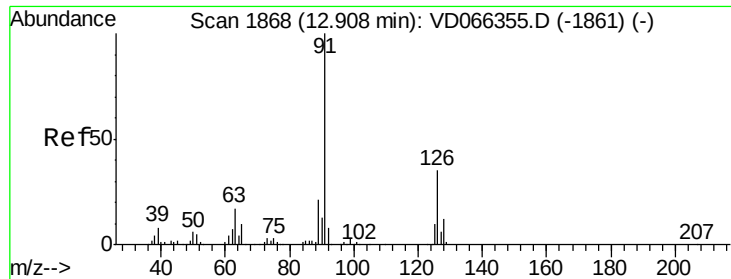
Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		465961		
120	24.9	12.0	36.0		





#79

2-Chlorotoluene

Concen: 51.703 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 264975

Ion Ratio Lower Upper

91 100

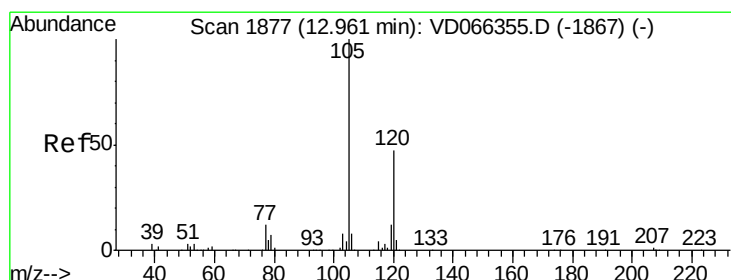
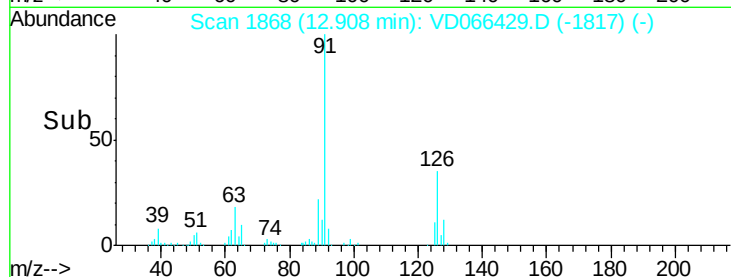
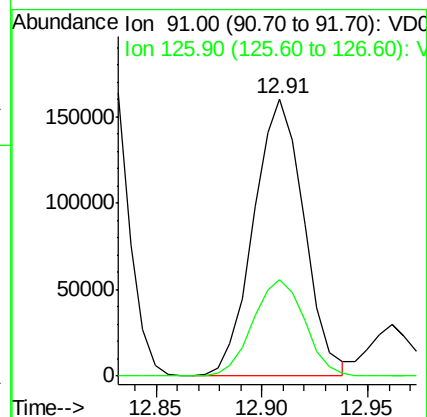
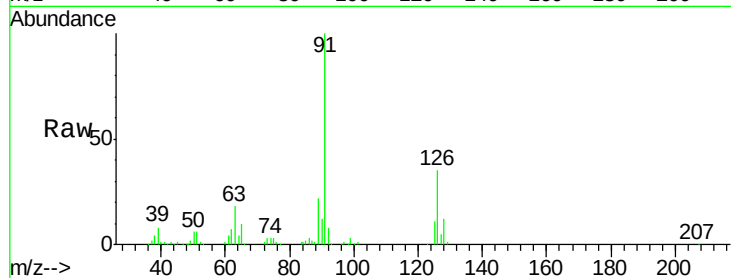
126 35.8 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 54.256 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066429.D

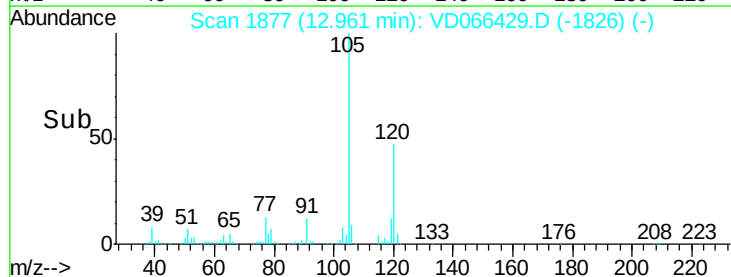
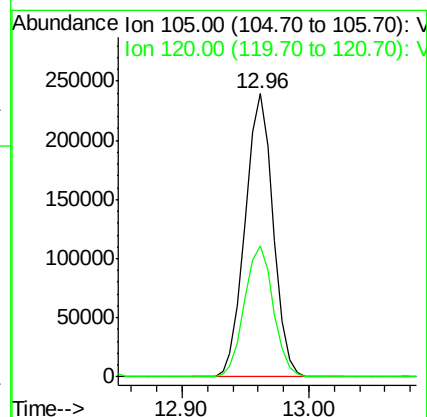
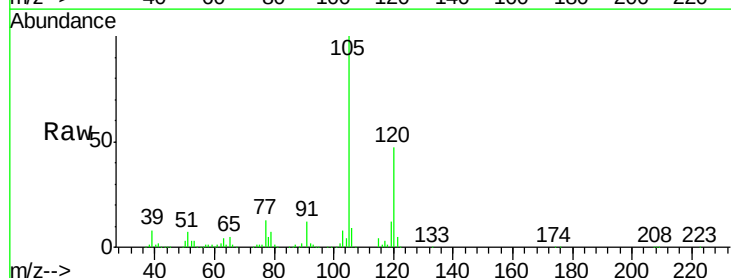
Acq: 27 Aug 2020 11:37

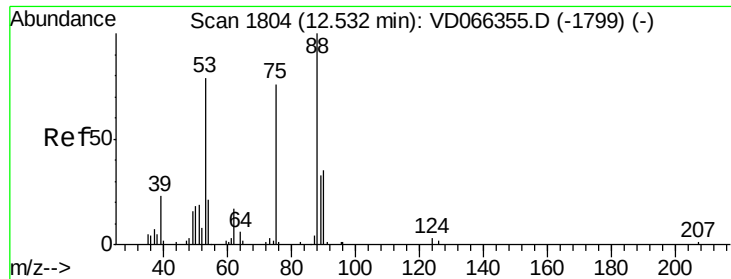
Tgt Ion: 105 Resp: 366609

Ion Ratio Lower Upper

105 100

120 47.8 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 48.300 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

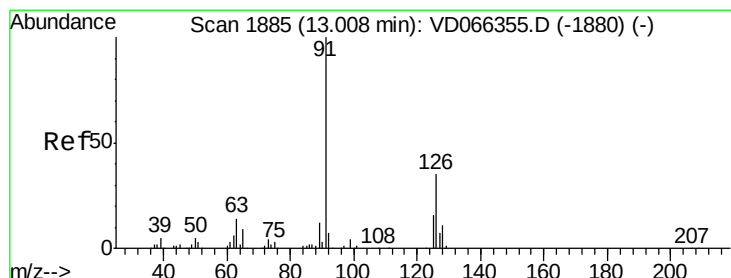
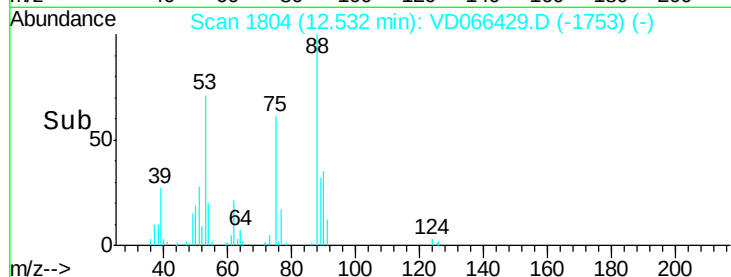
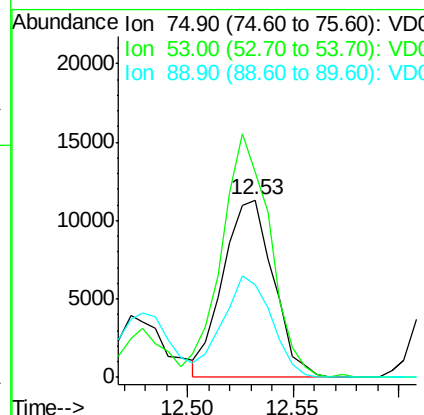
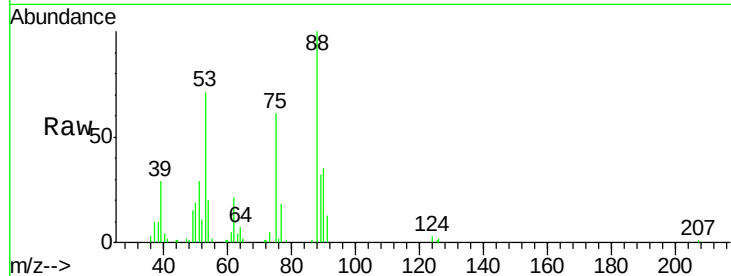
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	132.1	87.4	131.2#
89	55.3	39.4	59.0

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#82

4-Chlorotoluene

Concen: 51.563 ug/l

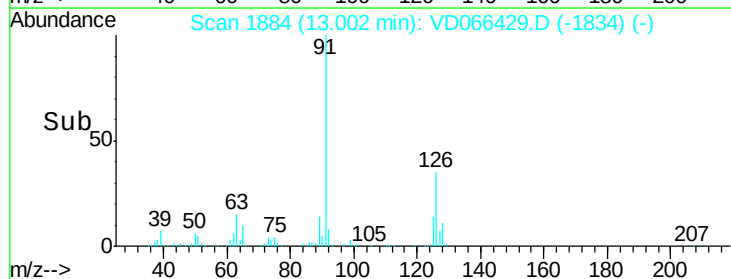
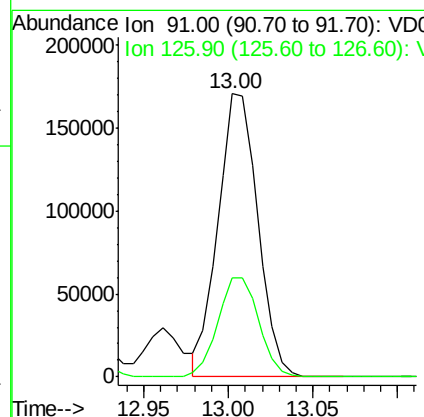
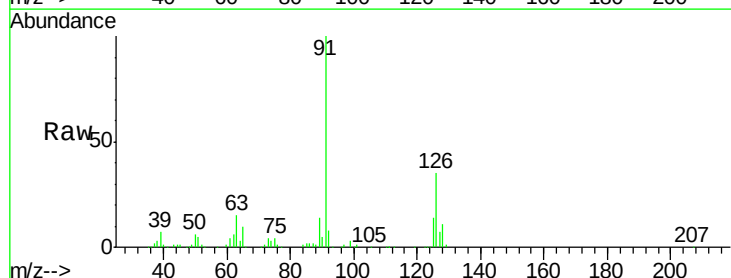
RT: 13.00 min Scan# 1884

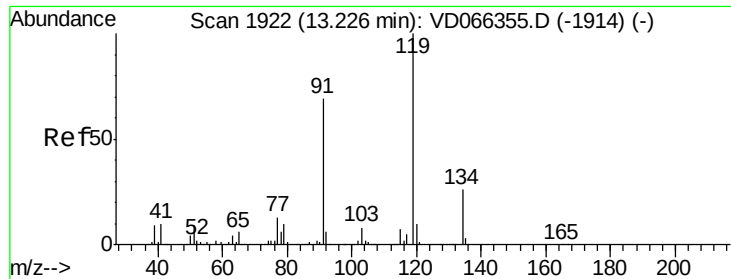
Delta R.T. -0.01 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.4	52.2





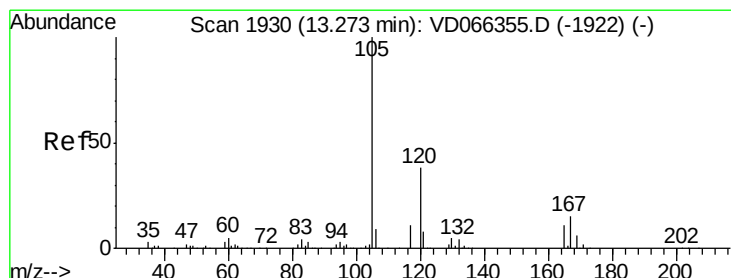
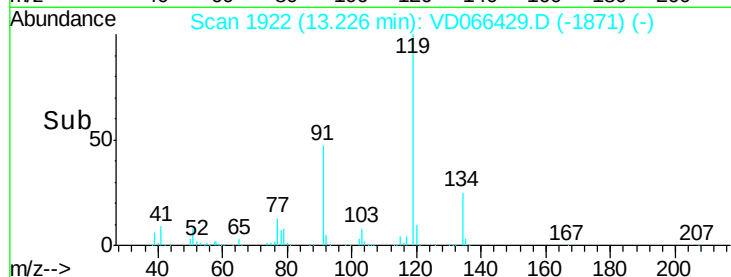
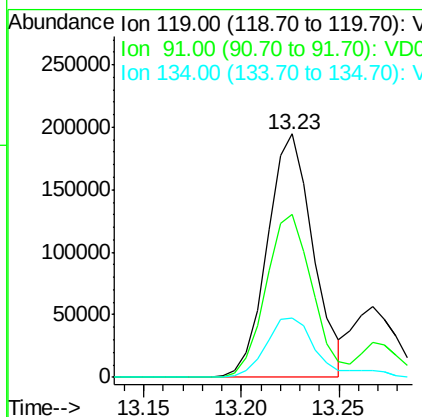
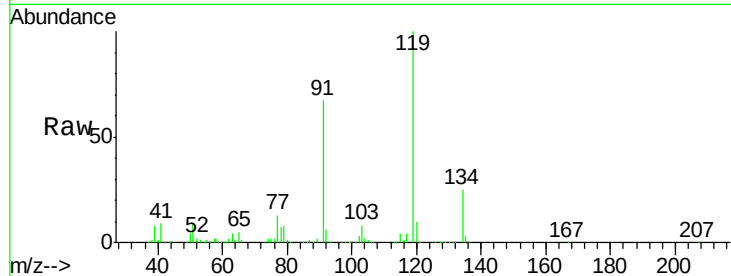
#83
 tert-Butylbenzene
 Concen: 53.840 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	315993		
91	68.8		33.5	100.5
134	27.8		13.5	40.4

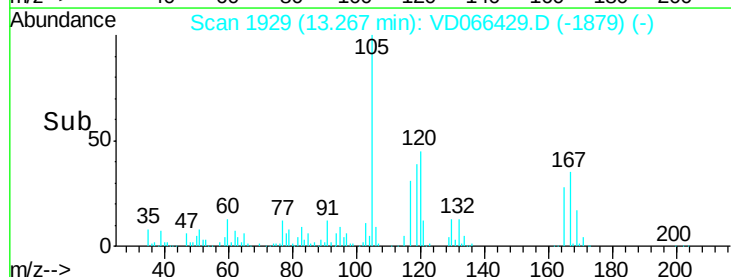
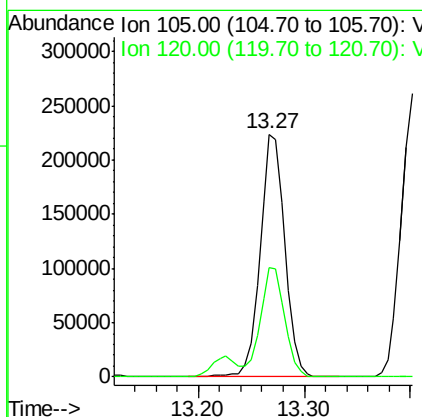
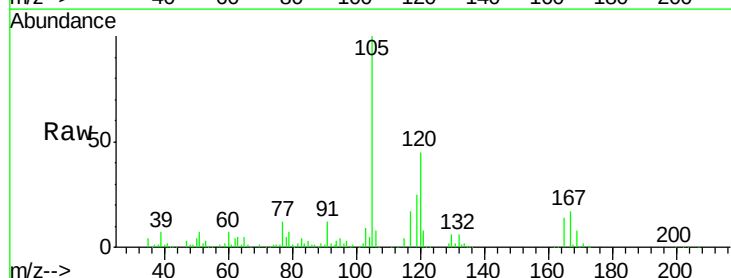
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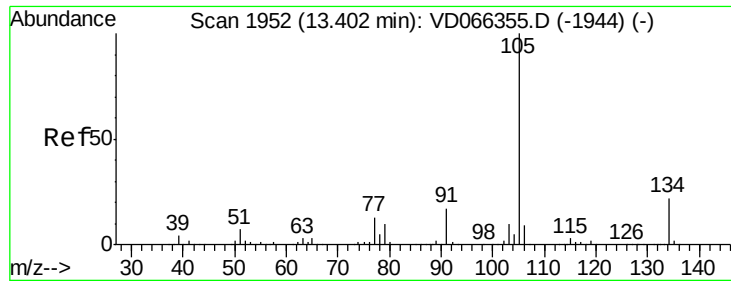
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.694 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	362997		
120	44.1		22.6	67.7





#85

sec-Butylbenzene

Concen: 53.766 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 413444

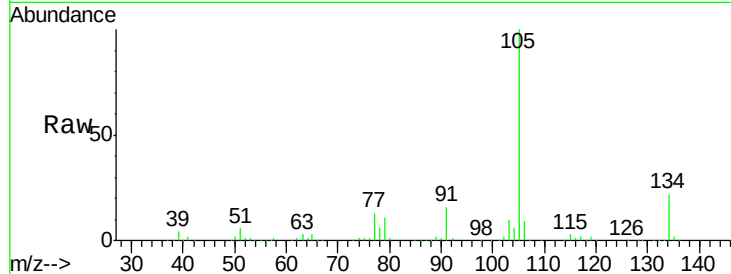
Ion Ratio Lower Upper

105 100

134 22.5 10.8 32.4

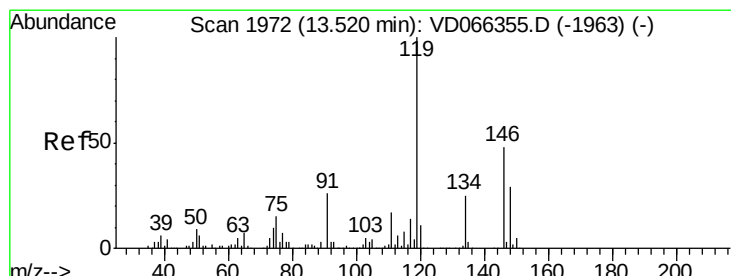
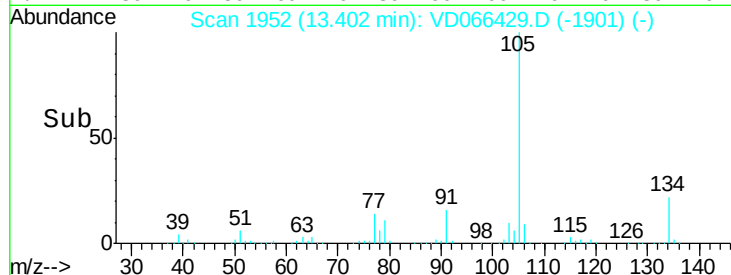
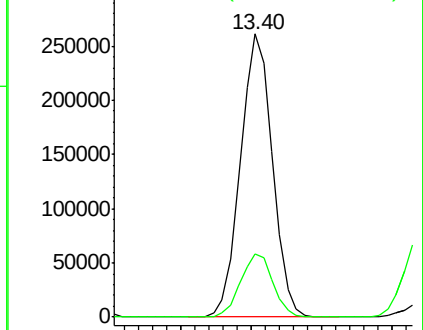
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.879 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

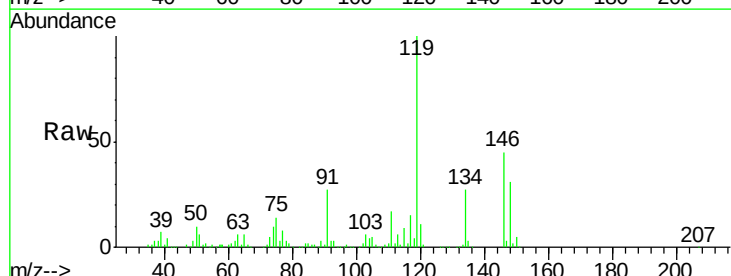
Tgt Ion:119 Resp: 406915

Ion Ratio Lower Upper

119 100

134 26.5 12.8 38.3

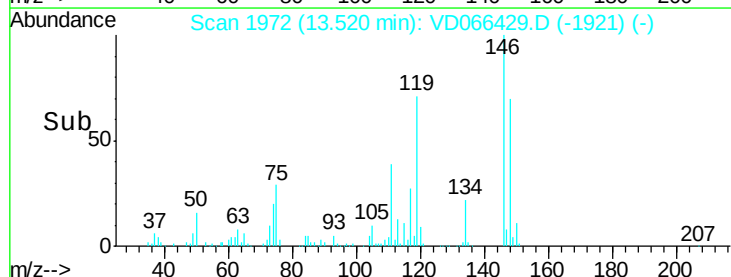
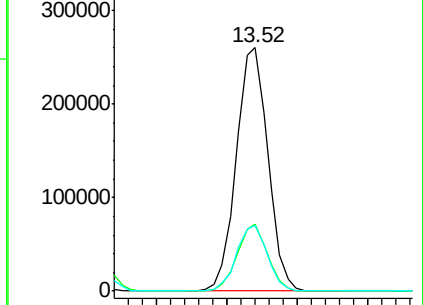
91 26.5 12.7 38.0

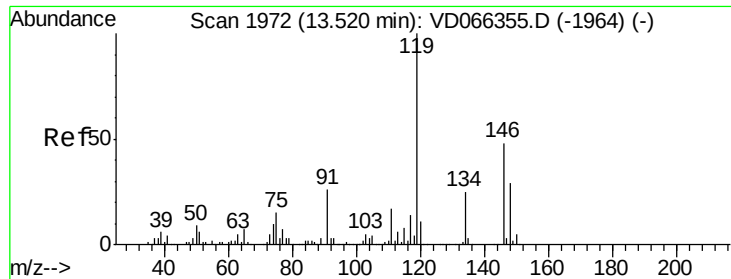


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 51.757 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

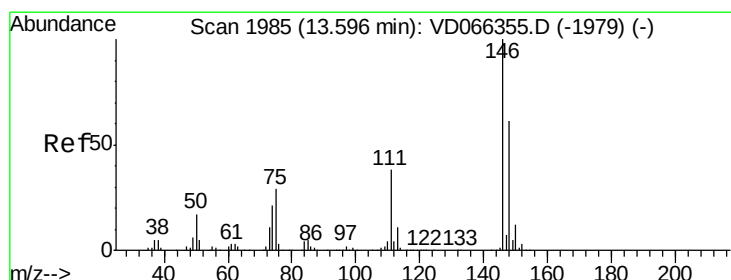
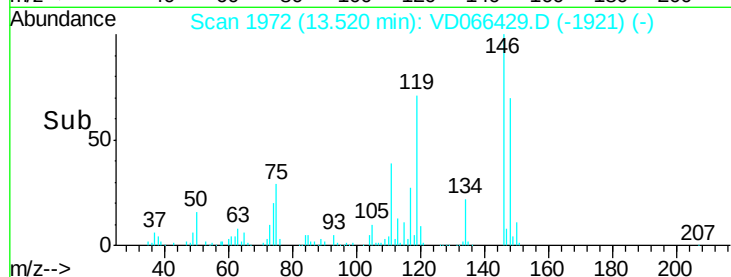
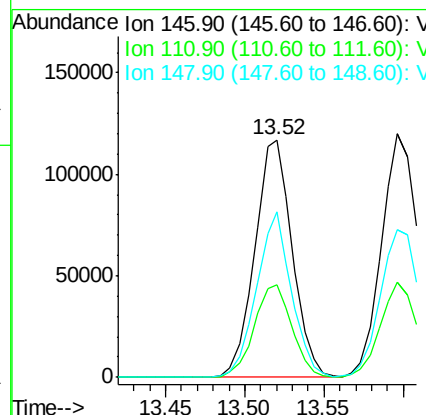
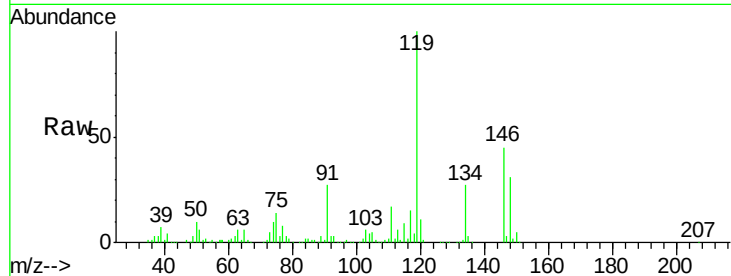
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	191906
Ion Ratio	Lower	Upper	
146	100		
111	39.3	18.9	56.9
148	64.9	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 51.537 ug/l

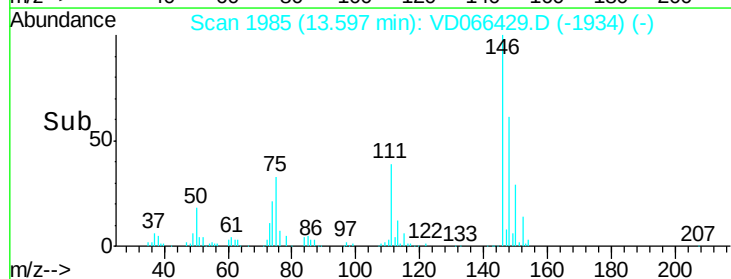
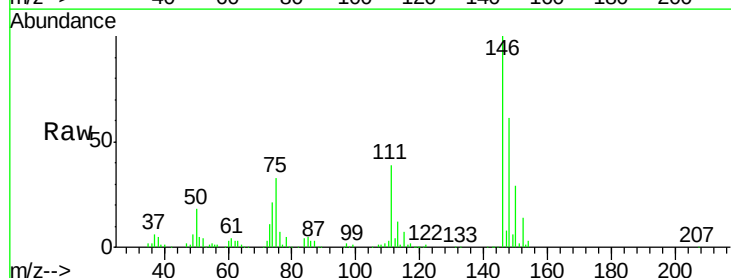
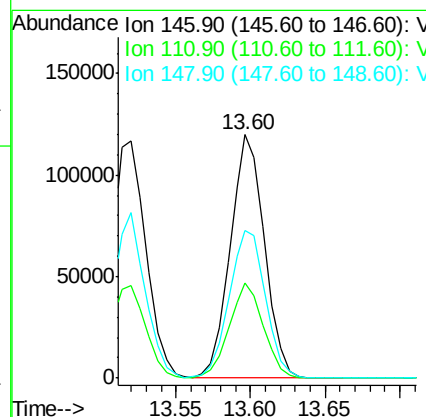
RT: 13.60 min Scan# 1985

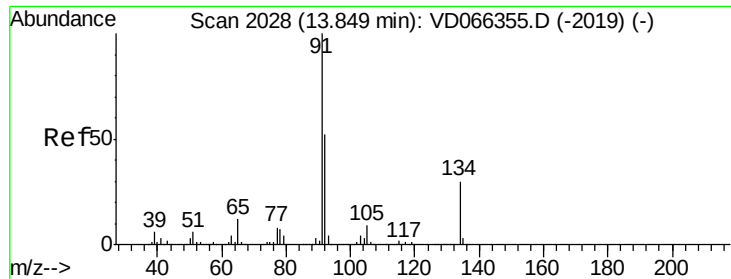
Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Tgt Ion:	146	Resp:	191869
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.1	57.5
148	64.4	32.1	96.3





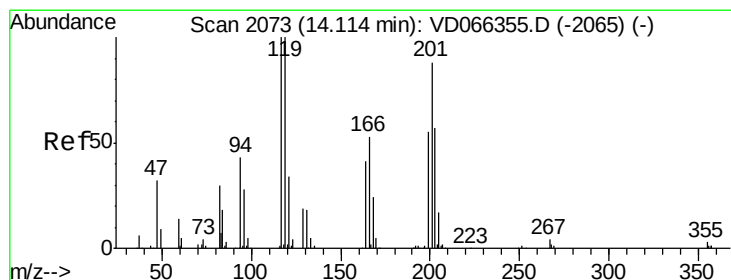
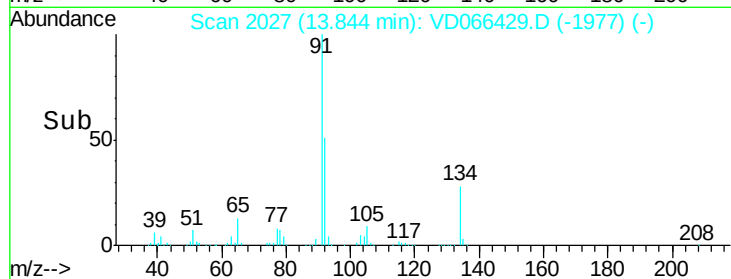
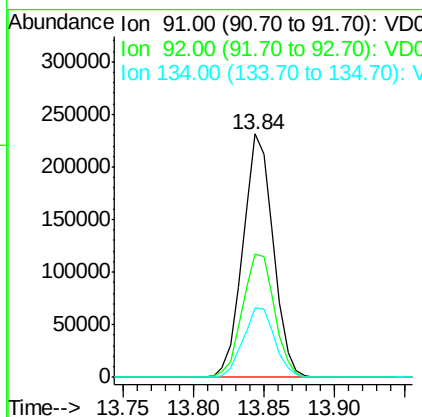
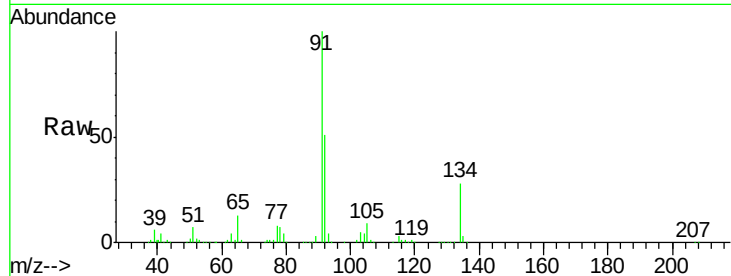
#89
n-Butylbenzene
Concen: 52.894 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.7	26.4	79.0	
134	29.8	14.4	43.4	

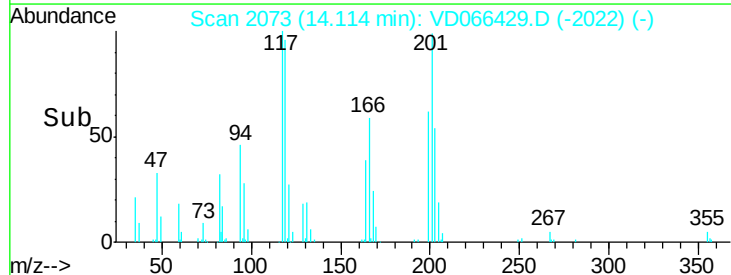
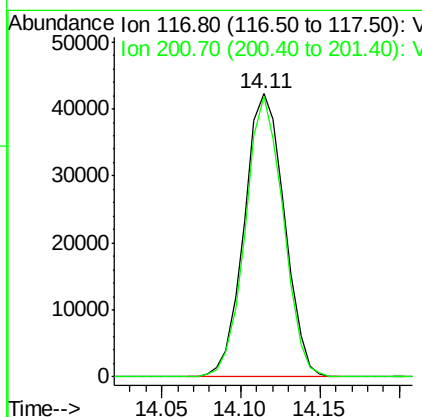
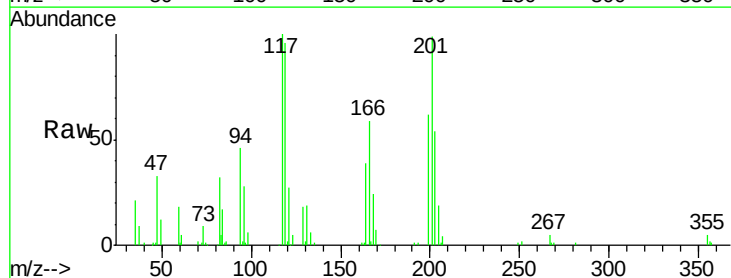
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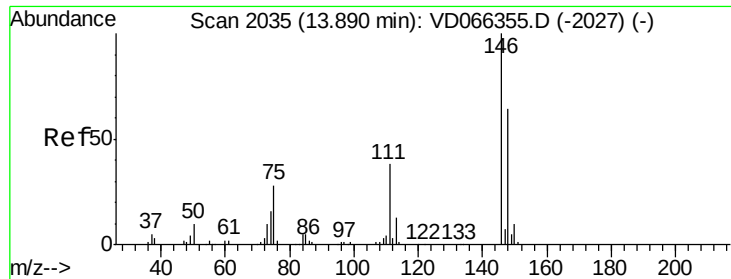
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#90
Hexachloroethane
Concen: 50.832 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066429.D
Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	93.5	45.4	136.2	





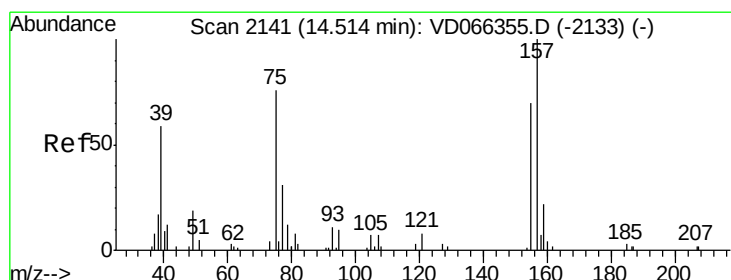
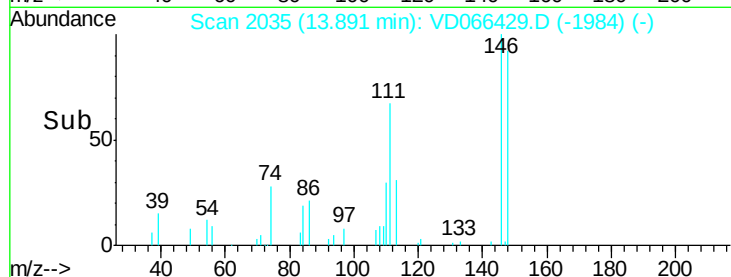
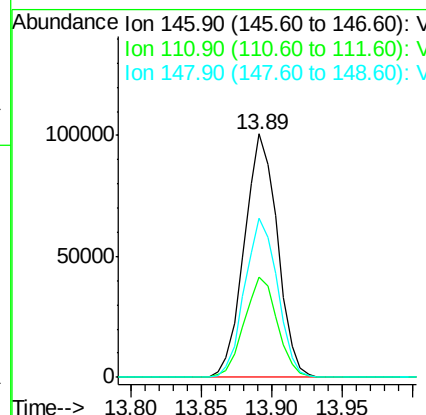
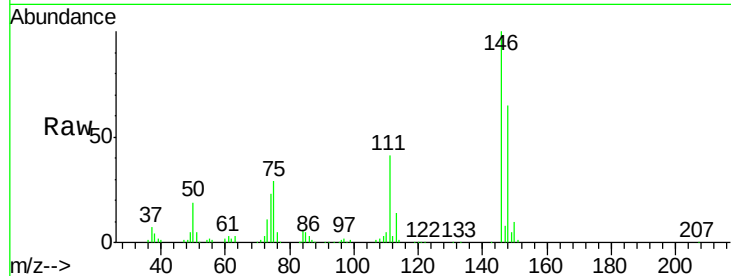
#91
 1,2-Dichlorobenzene
 Concen: 51.989 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.9	59.7
148	64.8	32.6	97.8

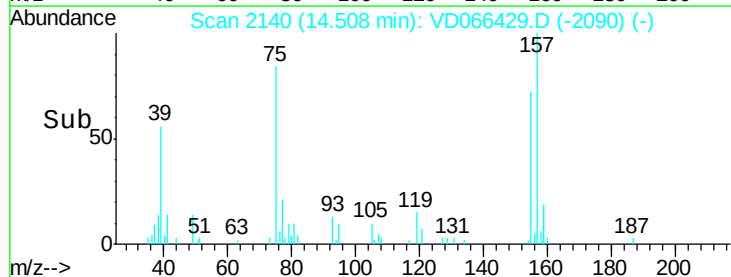
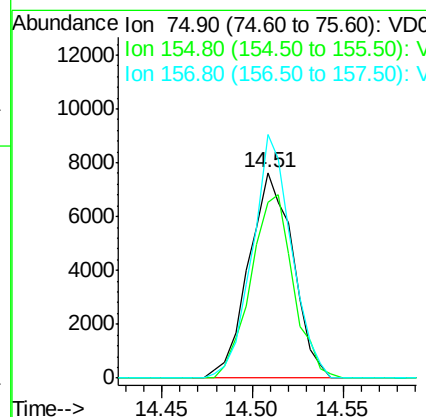
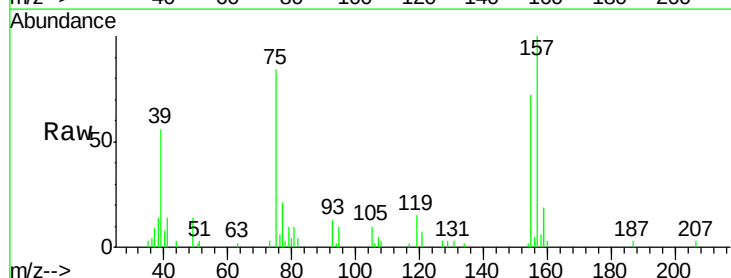
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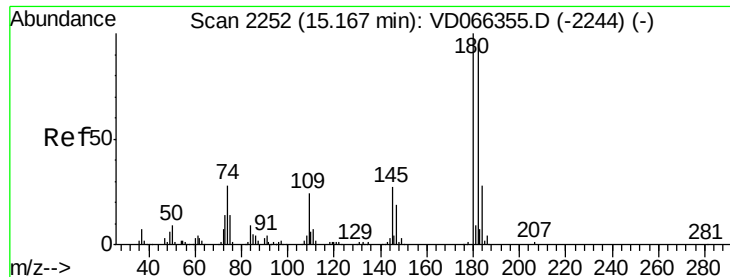
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.012 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.9	46.9	140.6
157	105.5	61.0	183.0





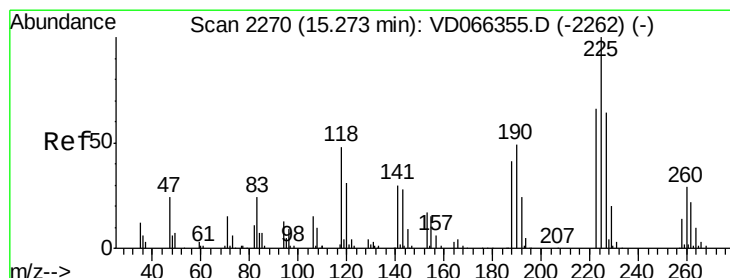
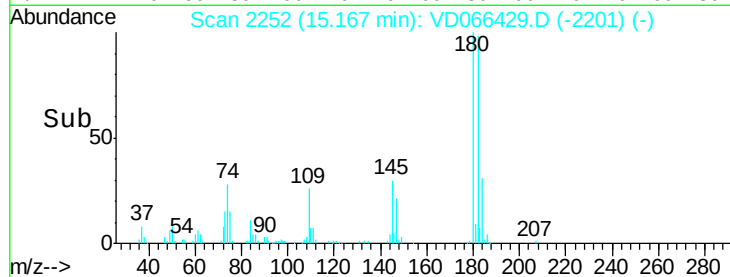
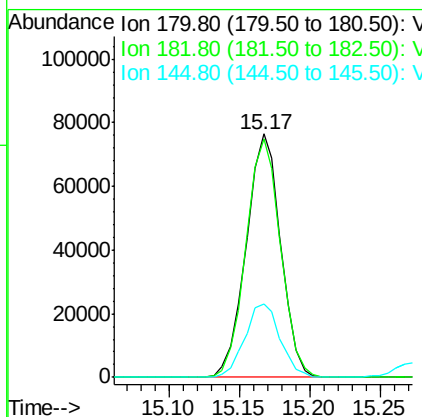
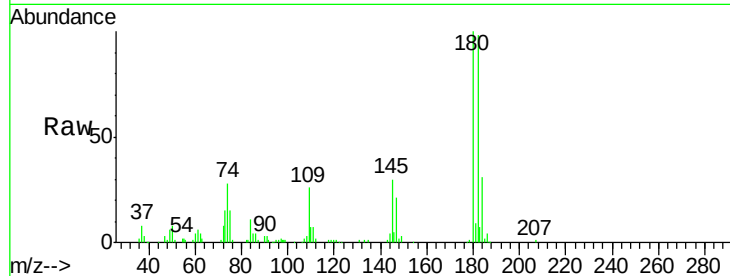
#93
 1,2,4-Trichlorobenzene
 Concen: 52.533 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	130907
Ion Ratio	Lower	Upper	
180	100		
182	98.3	48.0	144.0
145	31.1	15.2	45.6

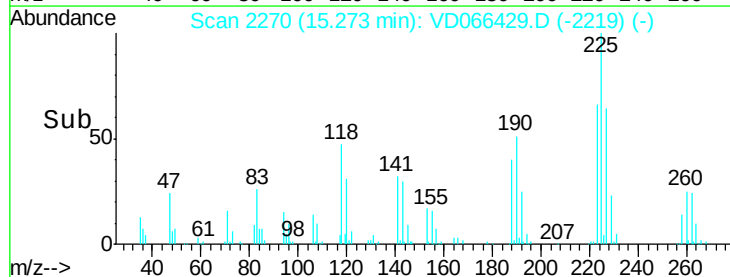
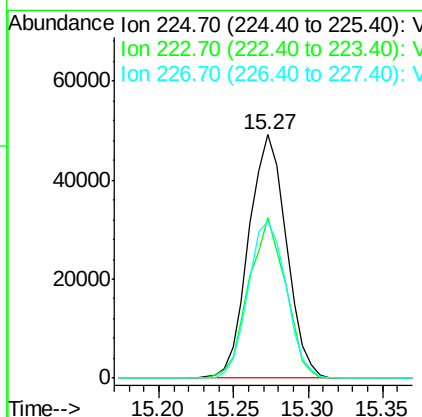
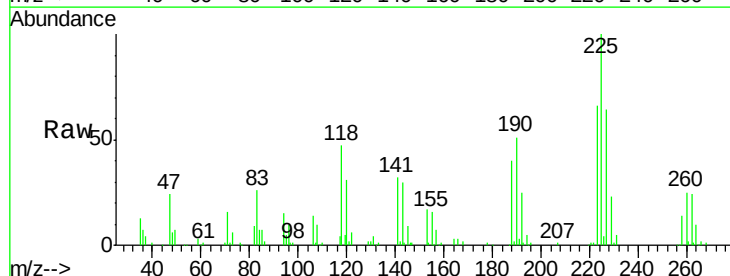
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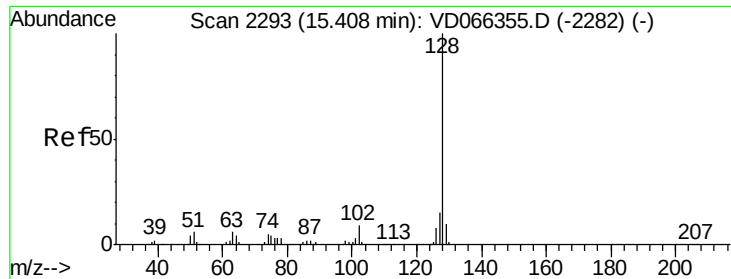
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#94
 Hexachlorobutadiene
 Concen: 55.413 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066429.D
 Acq: 27 Aug 2020 11:37

Tgt Ion:	225	Resp:	85811
Ion Ratio	Lower	Upper	
225	100		
223	64.5	32.5	97.4
227	65.1	33.0	98.9





#95

Naphthalene

Concen: 54.887 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Instrument :

MSVOA_D

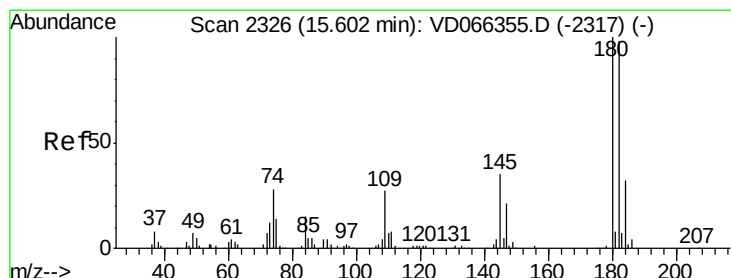
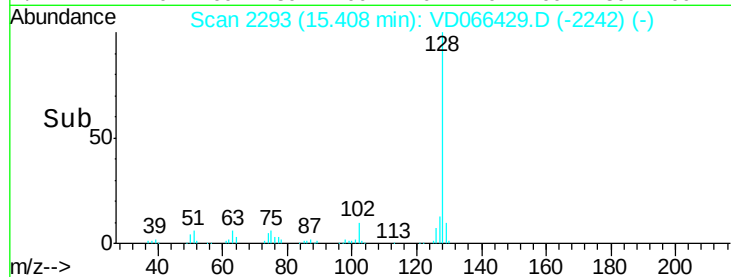
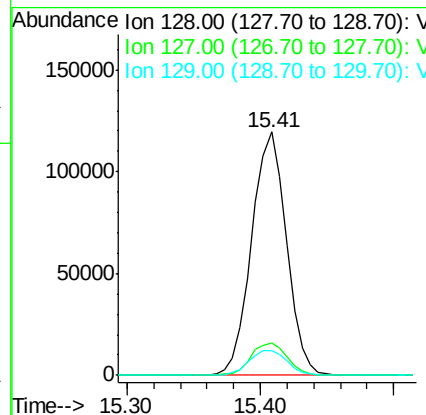
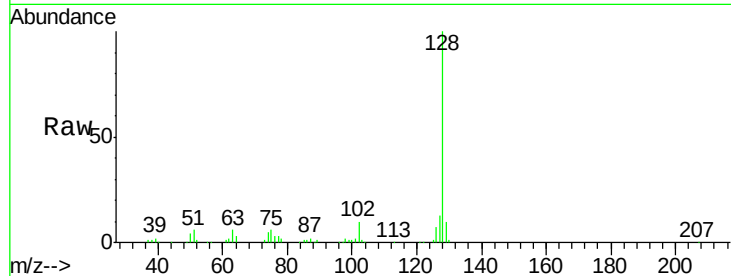
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	214819
Ion Ratio		Lower	Upper
128	100		
127	13.8	10.7	16.1
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/28/2020 3:18:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.158 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066429.D

Acq: 27 Aug 2020 11:37

Tgt Ion:	180	Resp:	115609
Ion Ratio		Lower	Upper
180	100		
182	92.6	46.7	140.0
145	32.3	16.0	48.0

