

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112519\
 Data File : VD064373.D
 Acq On : 25 Nov 2019 21:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 9:55:53 AM

Quant Time: Nov 26 06:42:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	442085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	667298	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	587784	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	290944	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	200251	55.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.16%	
35) Dibromofluoromethane	7.92	113	208589	54.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.92%	
50) Toluene-d8	10.34	98	729733	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.64	95	244772	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	137731	37.564	ug/l	97
3) Chloromethane	2.21	50	188964	48.048	ug/l	99
4) Vinyl Chloride	2.35	62	229052	54.463	ug/l	99
5) Bromomethane	2.77	94	162961	61.364	ug/l	99
6) Chloroethane	2.92	64	171205	63.708	ug/l	97
7) Trichlorofluoromethane	3.27	101	418746	61.413	ug/l	96
8) Diethyl Ether	3.71	74	105206	56.115	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	194017	49.783	ug/l	97
10) Methyl Iodide	4.29	142	200882	45.352	ug/l	99
11) Tert butyl alcohol	5.25	59	65359	257.369	ug/l #	86
12) 1,1-Dichloroethene	4.06	96	183442	49.382	ug/l	98
13) Acrolein	3.92	56	67592	314.621	ug/l	97
14) Allyl chloride	4.71	41	305131	46.457	ug/l	95
15) Acrylonitrile	5.43	53	234301	293.145	ug/l	99
16) Acetone	4.17	43	182425	211.791	ug/l	98
17) Carbon Disulfide	4.40	76	514387	44.465	ug/l	99
18) Methyl Acetate	4.73	43	138035	57.377	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	492055	55.486	ug/l	95
20) Methylene Chloride	4.97	84	218134	50.135	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	212965	50.601	ug/l	92
22) Diisopropyl ether	6.37	45	646024	53.012	ug/l	99
23) Vinyl Acetate	6.31	43	1895387	279.020	ug/l	97
24) 1,1-Dichloroethane	6.26	63	381074	53.856	ug/l	100
25) 2-Butanone	7.22	43	286385	257.353	ug/l	99
26) 2,2-Dichloropropane	7.21	77	313203	45.136	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	250649	55.535	ug/l	93
28) Bromochloromethane	7.55	49	152454	61.887	ug/l	100
29) Tetrahydrofuran	7.57	42	190139	284.384	ug/l	98
30) Chloroform	7.71	83	407584	56.313	ug/l	99
31) Cyclohexane	7.98	56	313611	43.947	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	352188	50.818	ug/l	100
36) 1,1-Dichloropropene	8.11	75	287823	46.735	ug/l	100
37) Ethyl Acetate	7.30	43	135803	52.306	ug/l	97
38) Carbon Tetrachloride	8.10	117	318944	48.399	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	352094	45.182	ug/l	96
40) Benzene	8.35	78	847387	50.345	ug/l	97
41) Methacrylonitrile	7.53	41	79962	49.001	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	261074	51.645	ug/l	100
43) Isopropyl Acetate	8.46	43	273391	51.106	ug/l	97
44) Trichloroethene	9.11	130	252746	50.032	ug/l	99
45) 1,2-Dichloropropane	9.39	63	216210	52.776	ug/l	96
46) Dibromomethane	9.48	93	120691	55.029	ug/l	98
47) Bromodichloromethane	9.66	83	319123	54.018	ug/l	99
48) Methyl methacrylate	9.46	41	128910	49.282	ug/l	93
49) 1,4-Dioxane	9.47	88	29573	1122.718	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	681249	265.563	ug/l	99
52) Toluene	10.40	92	553438	50.004	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	297817	50.319	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	353374	51.166	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	168552	56.651	ug/l	96
56) Ethyl methacrylate	10.66	69	219519	52.743	ug/l	92
57) 1,3-Dichloropropane	10.95	76	281652	54.280	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	490397	290.877	ug/l	99
59) 2-Hexanone	10.99	43	458259	251.091	ug/l	99
60) Dibromochloromethane	11.14	129	228283	54.987	ug/l	98
61) 1,2-Dibromoethane	11.25	107	165176	55.428	ug/l	100
64) Tetrachloroethene	10.88	164	212288	46.960	ug/l	98
65) Chlorobenzene	11.67	112	606500	50.742	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	234984	51.703	ug/l	99
67) Ethyl Benzene	11.75	91	1055023	48.798	ug/l	99
68) m/p-Xylenes	11.86	106	825056	99.559	ug/l	97
69) o-Xylene	12.18	106	385298	50.131	ug/l	98
70) Styrene	12.20	104	670178	49.954	ug/l	99
71) Bromoform	12.37	173	138676	53.615	ug/l #	99
73) Isopropylbenzene	12.48	105	1020177	47.772	ug/l	100
74) N-amyl acetate	12.30	43	242800	48.146	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	172373	53.568	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	114153m	48.711	ug/l	
77) Bromobenzene	12.77	156	266360	51.341	ug/l	97
78) n-propylbenzene	12.83	91	1168256	47.882	ug/l	99
79) 2-Chlorotoluene	12.91	91	655831	47.610	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	845520	48.184	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	55928	47.406	ug/l	99
82) 4-Chlorotoluene	13.01	91	700598	48.762	ug/l	100
83) tert-Butylbenzene	13.23	119	736851	47.621	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	847281	48.908	ug/l	99
85) sec-Butylbenzene	13.41	105	988638	47.572	ug/l	99
86) p-Isopropyltoluene	13.53	119	938305	47.492	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	485574	50.420	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	476557	50.701	ug/l	100
89) n-Butylbenzene	13.85	91	840207	47.072	ug/l	99
90) Hexachloroethane	14.12	117	177959	48.738	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	423132	51.909	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27896	48.487	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	317221	50.448	ug/l	99
94) Hexachlorobutadiene	15.28	225	190842	46.988	ug/l	97
95) Naphthalene	15.41	128	552395	53.590	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	279526	52.296	ug/l	99

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

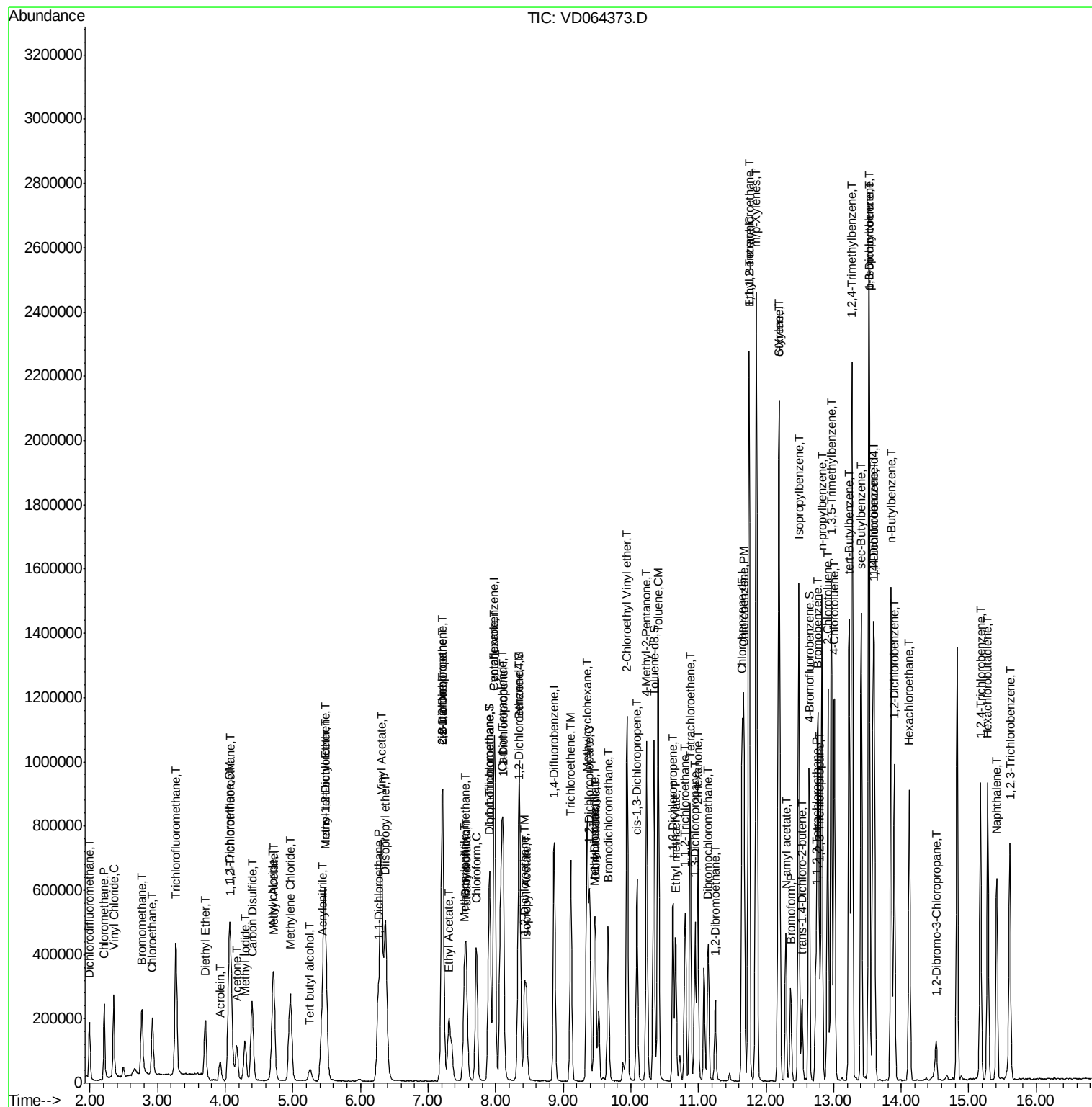
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Operator : VA/SY
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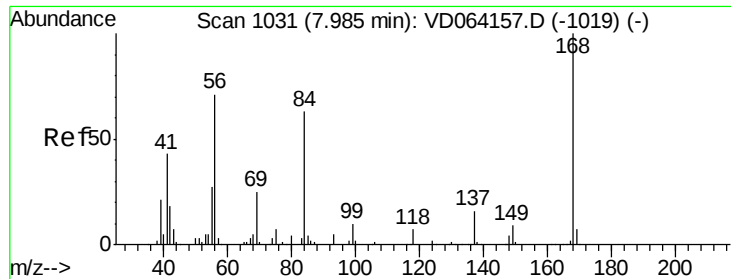
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 442085

Ion Ratio Lower Upper

168 100

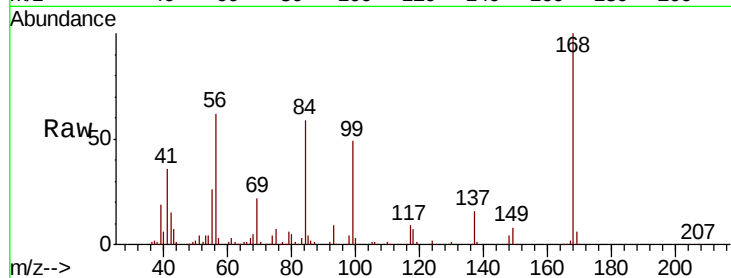
99 48.9 41.6 62.4

Manual Integrations

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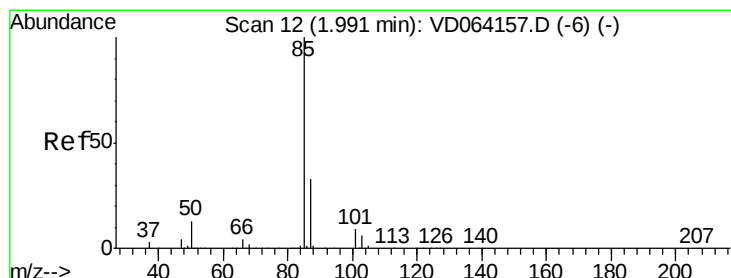
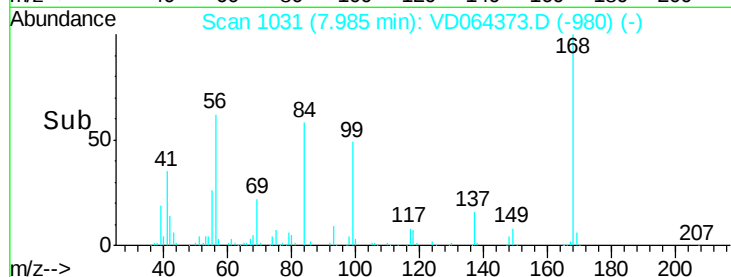
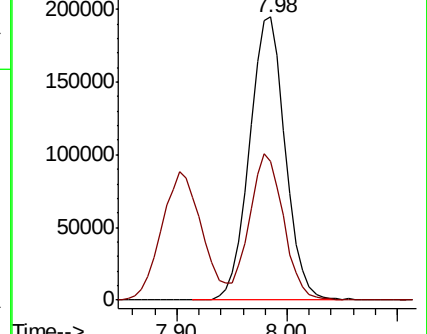
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 37.564 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064373.D

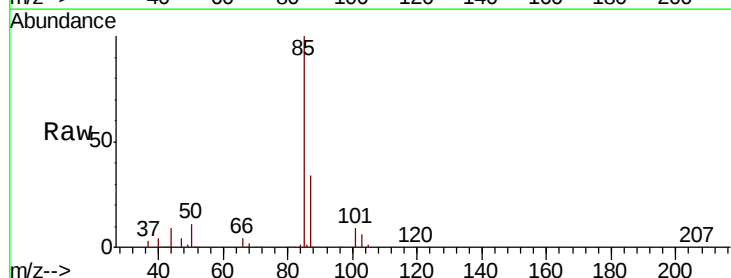
Acq: 25 Nov 2019 21:17

Tgt Ion: 85 Resp: 137731

Ion Ratio Lower Upper

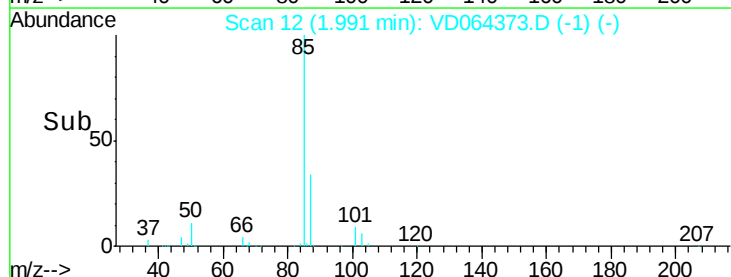
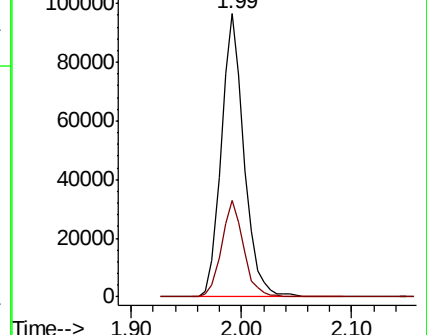
85 100

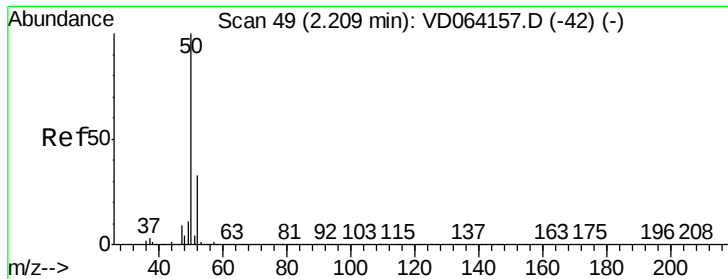
87 34.2 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.048 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 188964

Ion Ratio Lower Upper

50 100

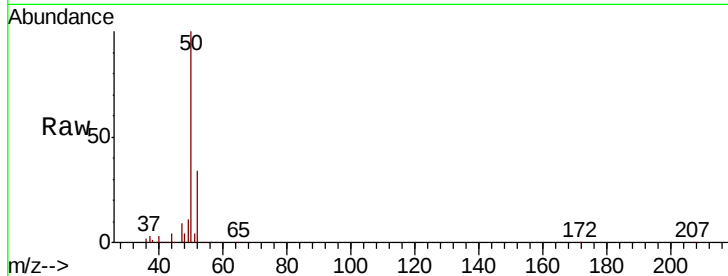
52 33.6 26.2 39.4

Manual Integrations

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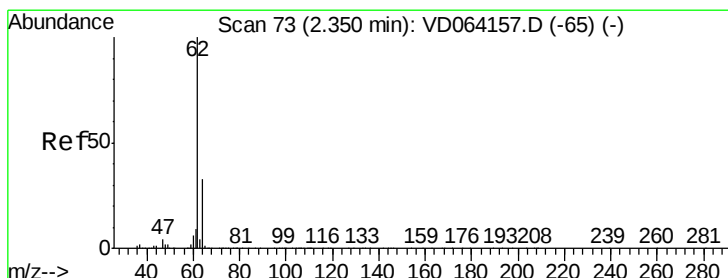
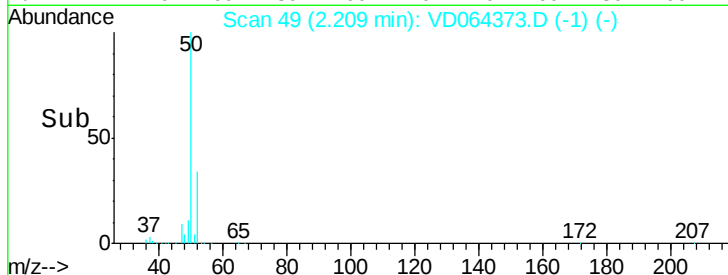
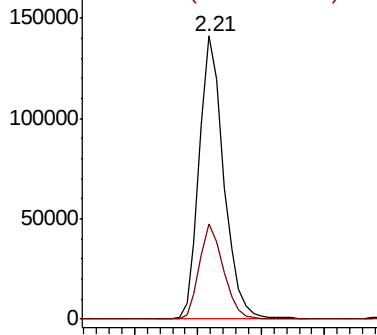
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11/26/2019 9:55:53 AM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 54.463 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064373.D

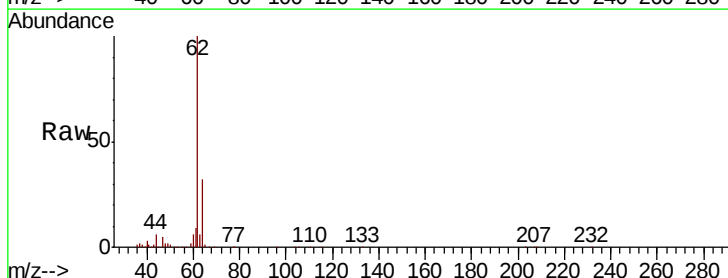
Acq: 25 Nov 2019 21:17

Tgt Ion: 62 Resp: 229052

Ion Ratio Lower Upper

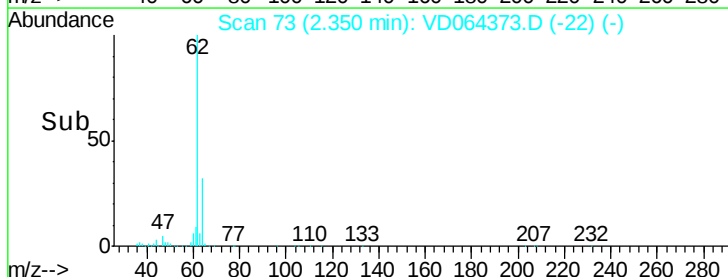
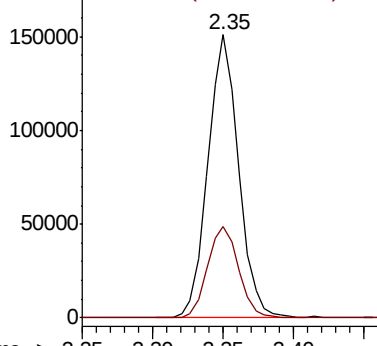
62 100

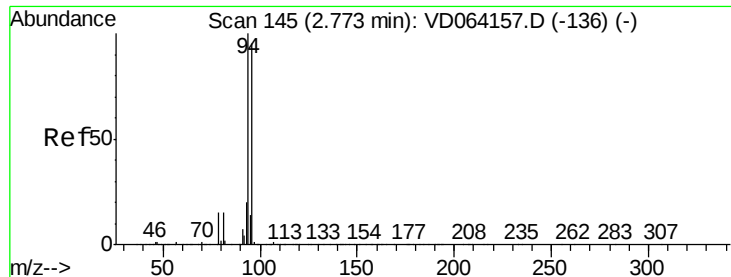
64 32.1 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 61.364 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 162961

Ion Ratio Lower Upper

94 100

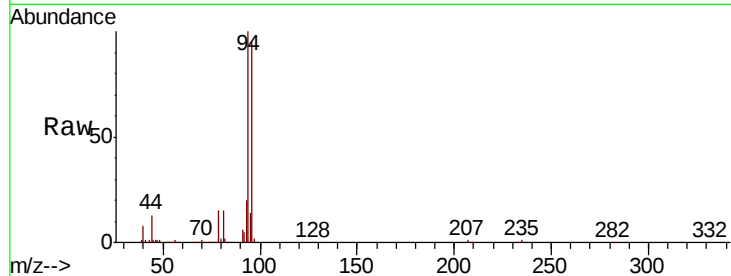
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Manual Integrations

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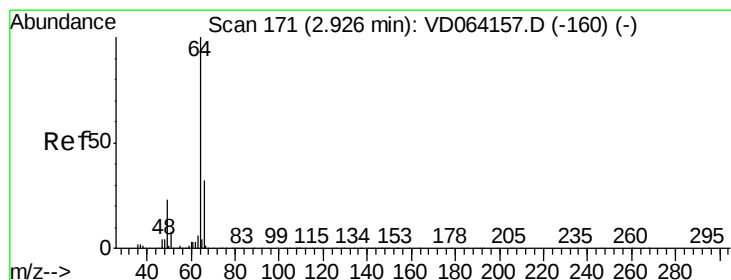
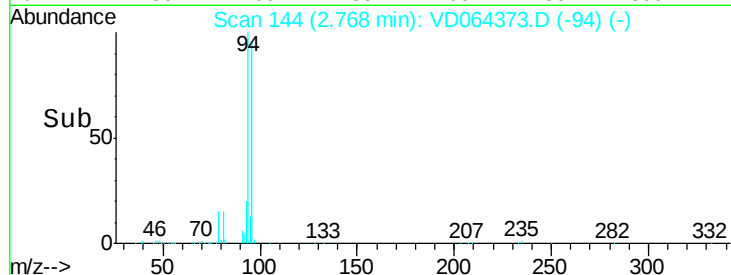
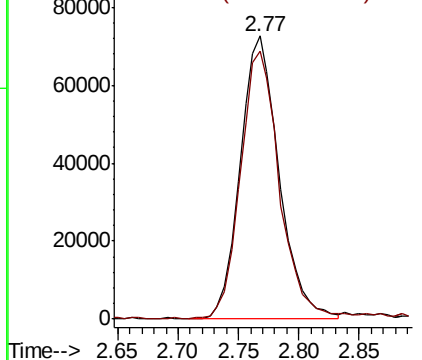
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11/26/2019 9:55:53 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 63.708 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064373.D

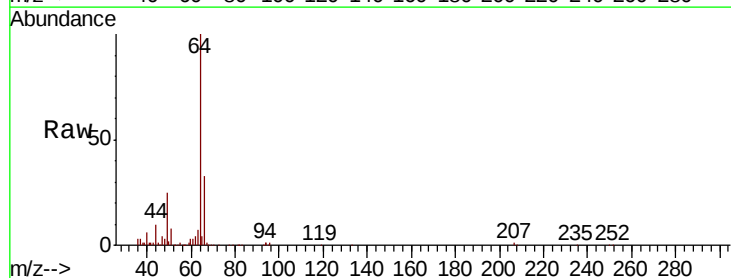
Acq: 25 Nov 2019 21:17

Tgt Ion: 64 Resp: 171205

Ion Ratio Lower Upper

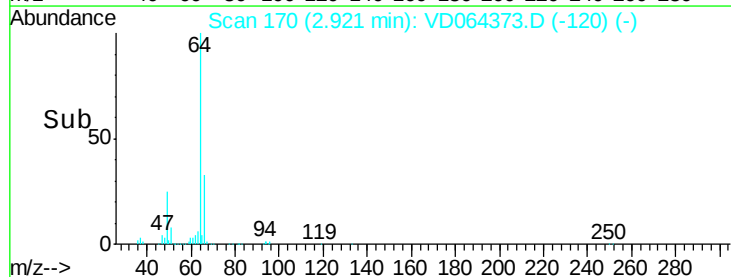
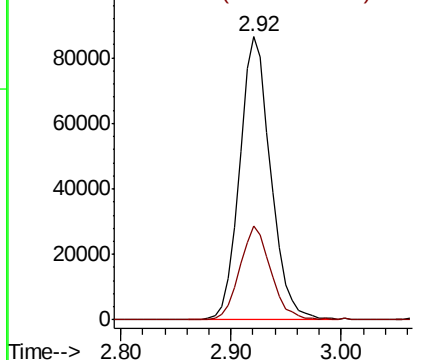
64 100

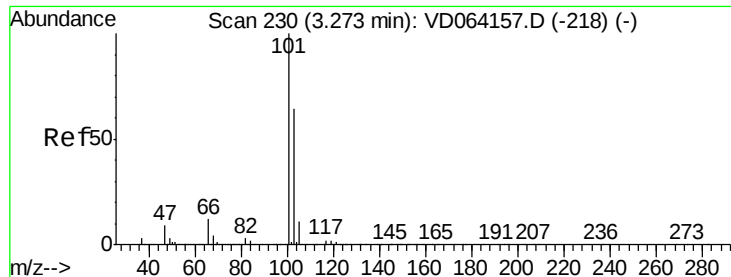
66 33.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

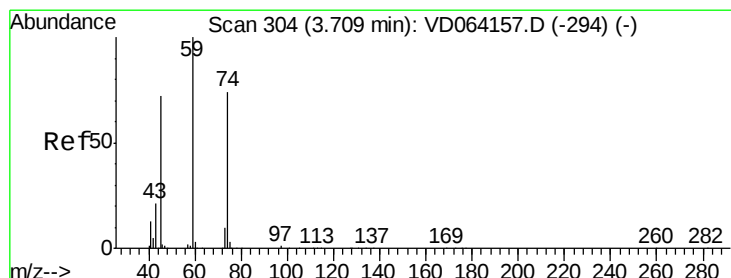
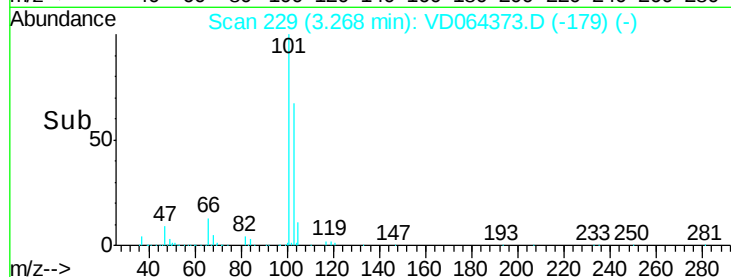
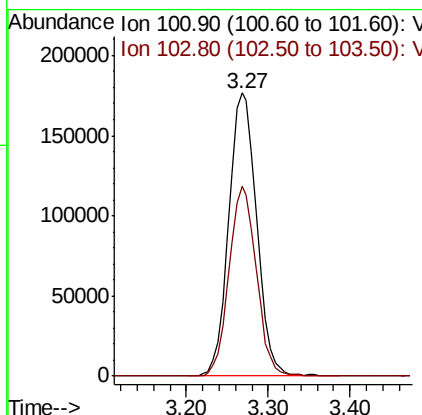
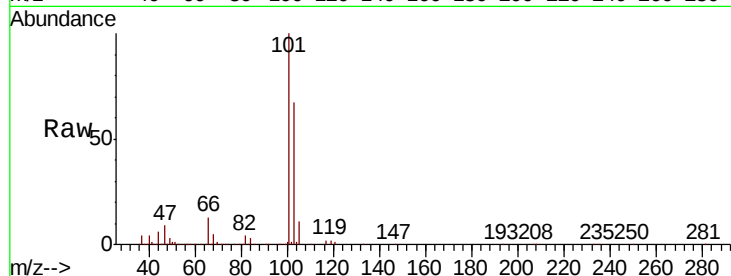
Trichlorofluoromethane
 Concen: 61.413 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	50.8	76.2

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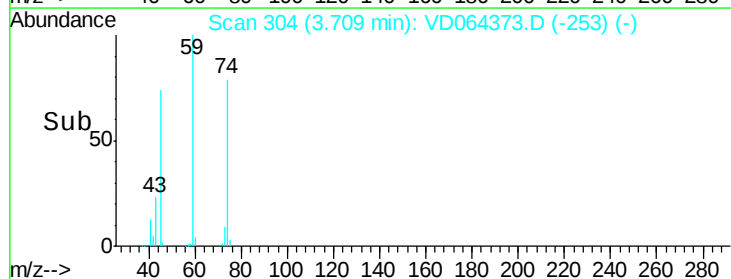
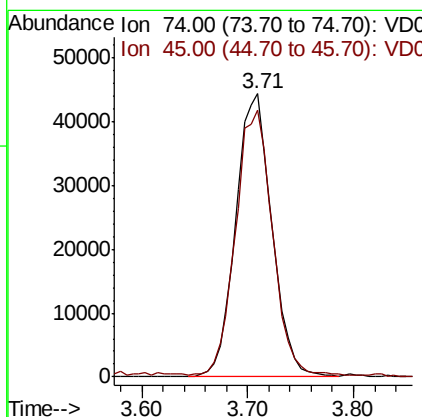
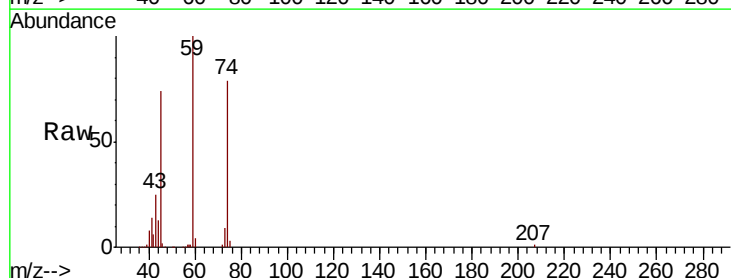
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 11/26/2019 9:55:53 AM



#8

Diethyl Ether
 Concen: 56.115 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.783 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

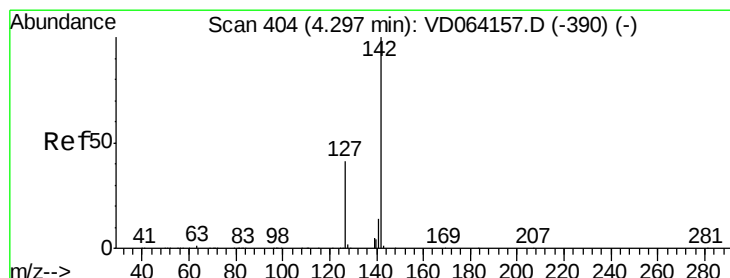
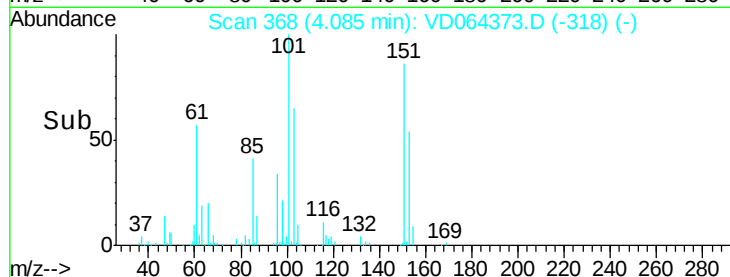
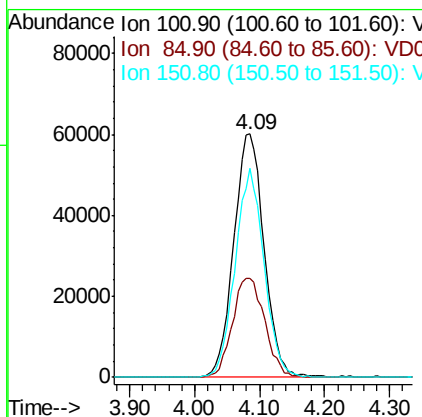
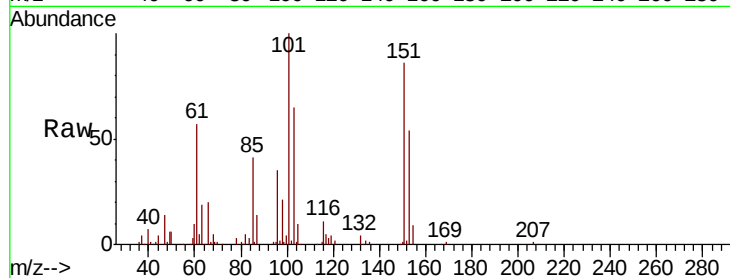
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	194017
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.4	51.6
151	81.9	68.1	102.1

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#10

Methyl Iodide

Concen: 45.352 ug/l

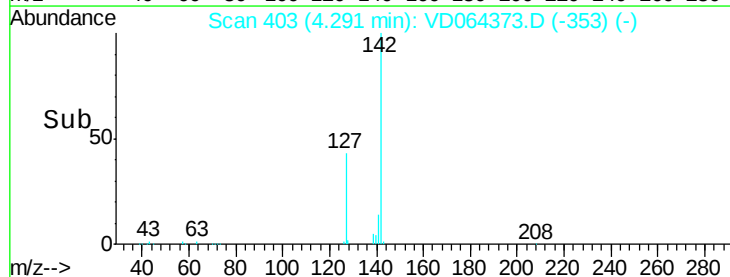
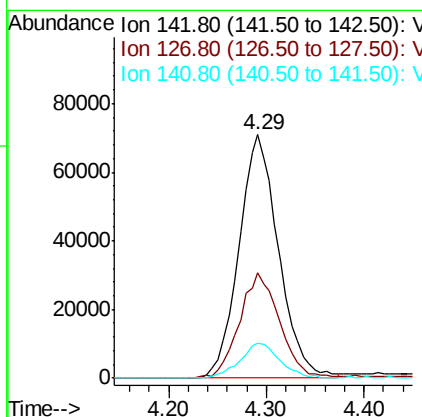
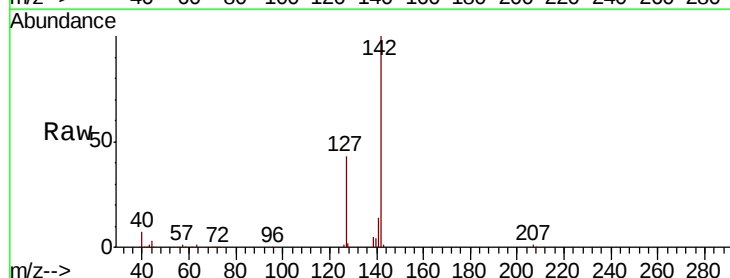
RT: 4.29 min Scan# 403

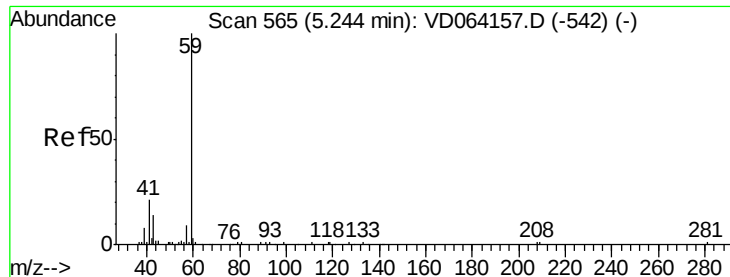
Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Tgt Ion:	142	Resp:	200882
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.4	51.6
141	14.6	11.2	16.8





#11

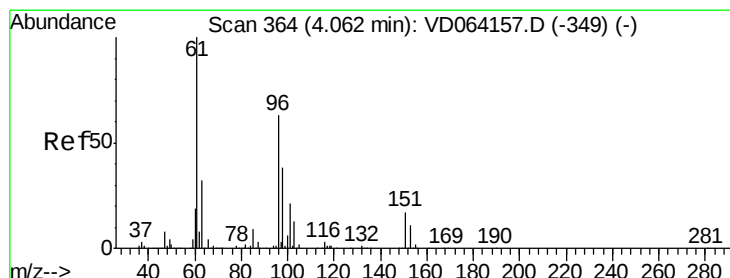
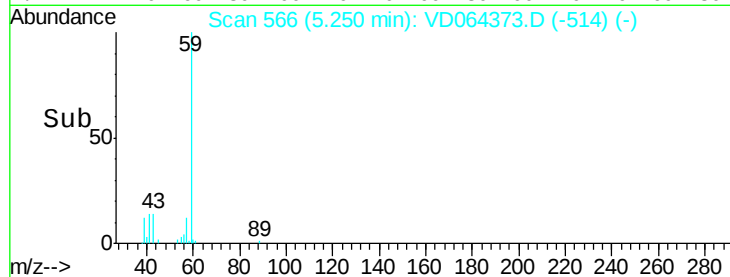
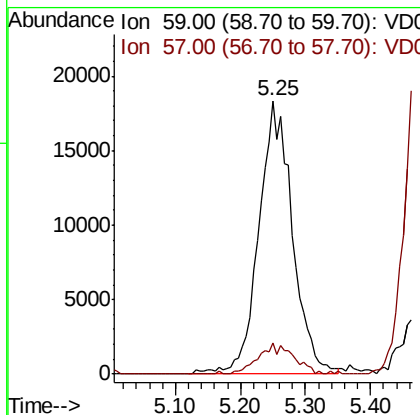
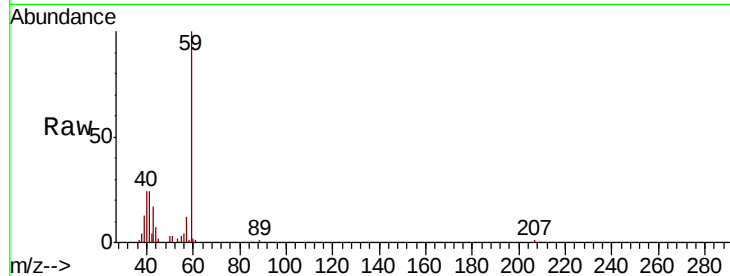
Tert butyl alcohol
Concen: 257.369 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.3	9.4	14.2#

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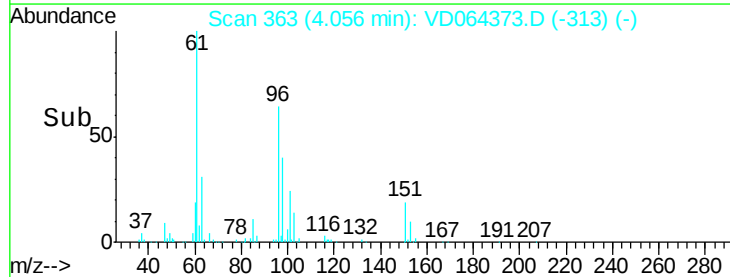
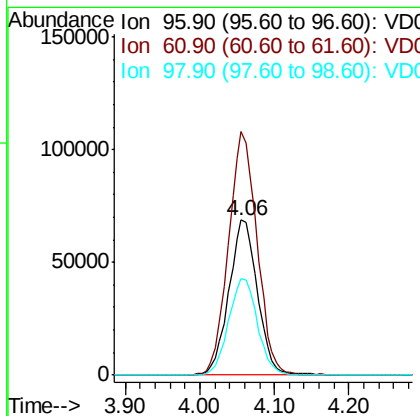
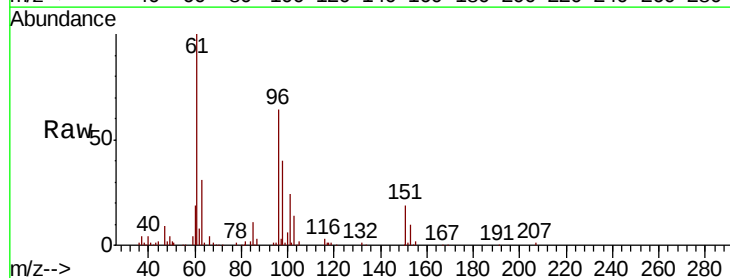
MMDadoda
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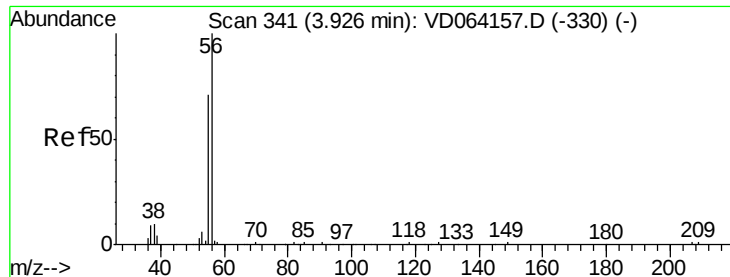


#12

1,1-Dichloroethene
Concen: 49.382 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	127.4	191.2
98	62.2	48.1	72.1





#13

Acrolein

Concen: 314.621 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 67592

Ion Ratio Lower Upper

56 100

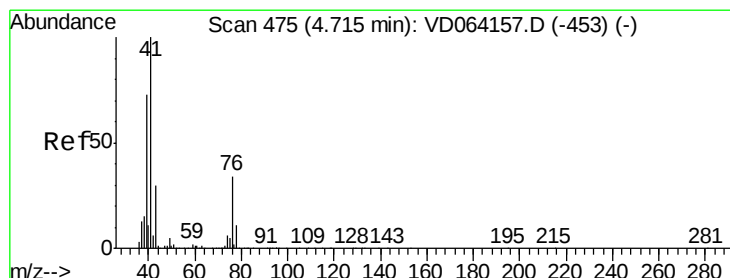
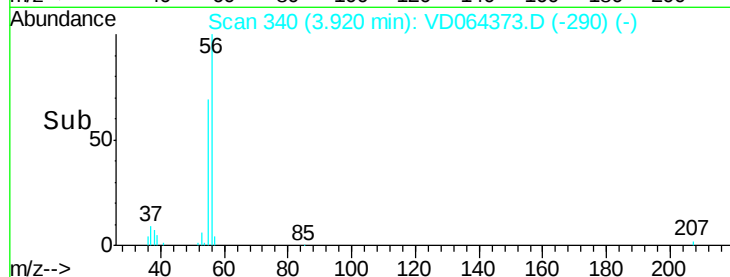
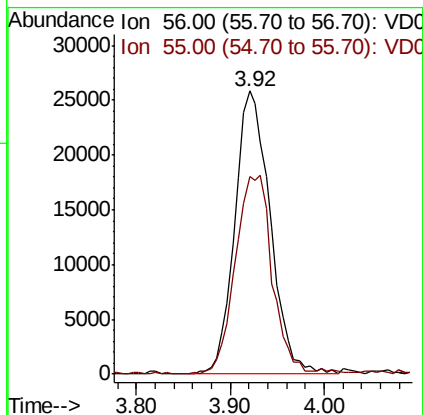
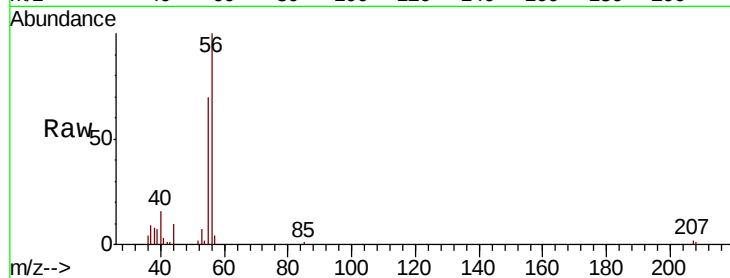
55 72.8 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 46.457 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

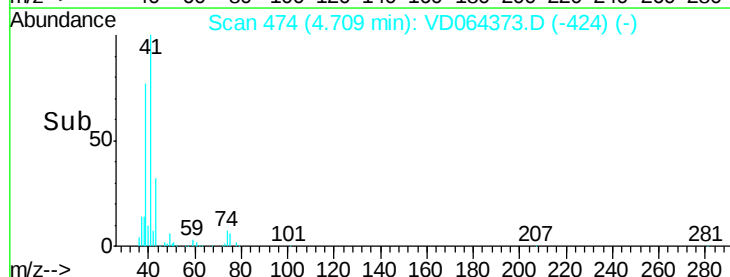
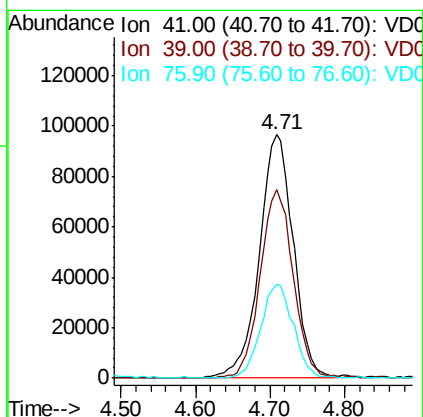
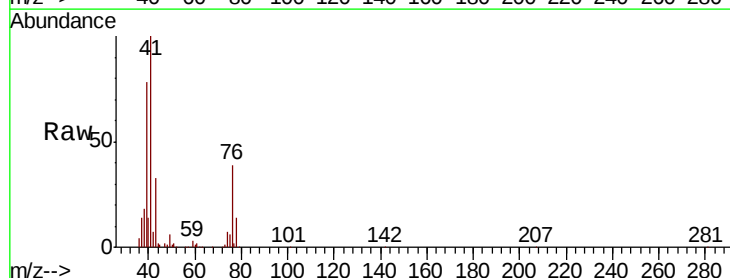
Tgt Ion: 41 Resp: 305131

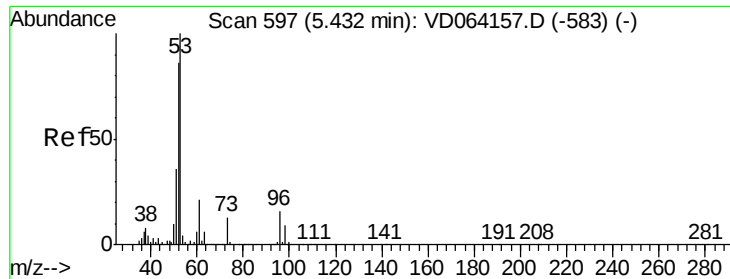
Ion Ratio Lower Upper

41 100

39 75.4 57.5 86.3

76 36.7 26.8 40.2





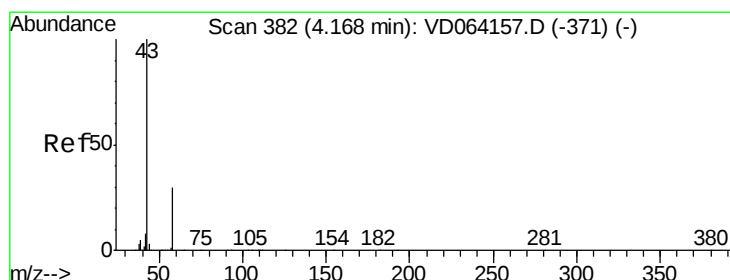
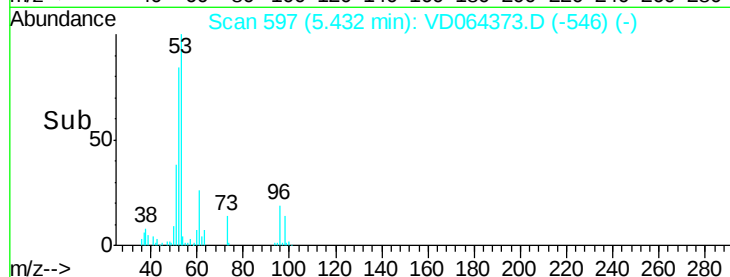
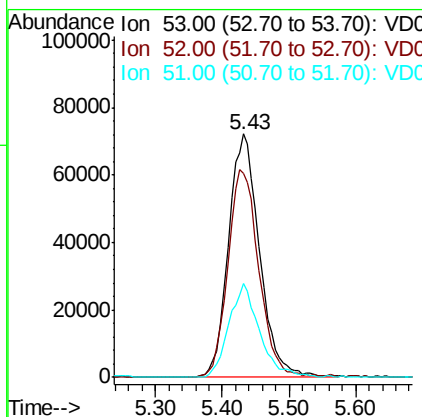
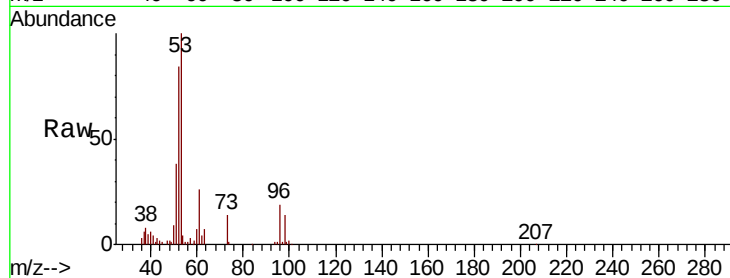
#15
 Acrylonitrile
 Concen: 293.145 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	85.2	66.7	100.1
51	38.0	30.6	46.0

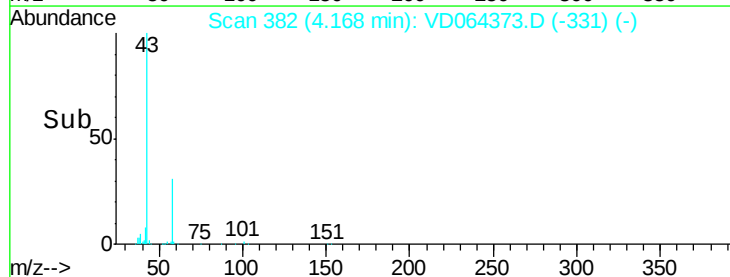
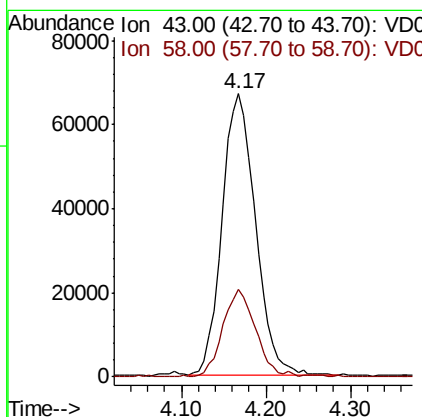
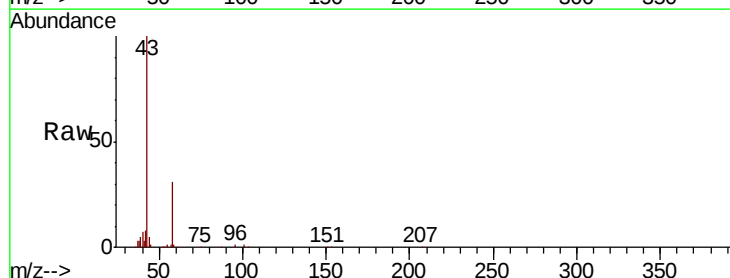
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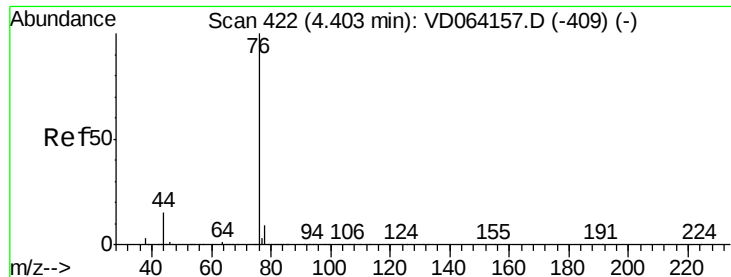
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#16
 Acetone
 Concen: 211.791 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.1	36.1





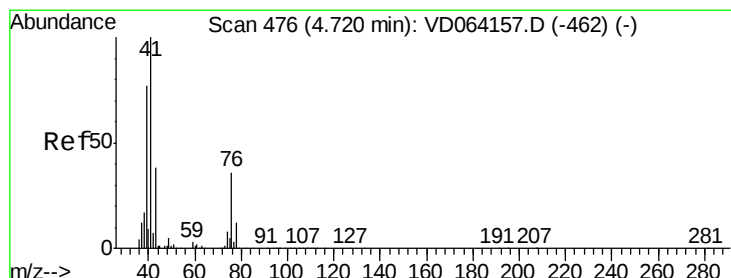
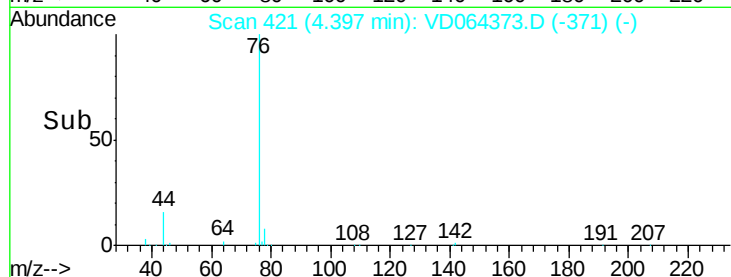
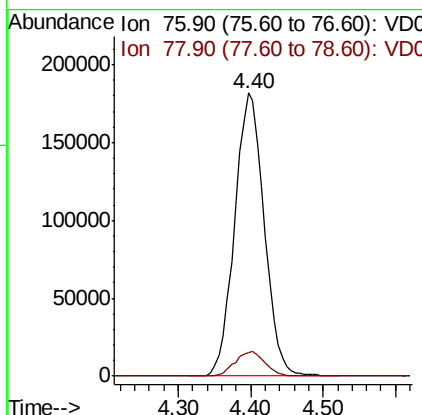
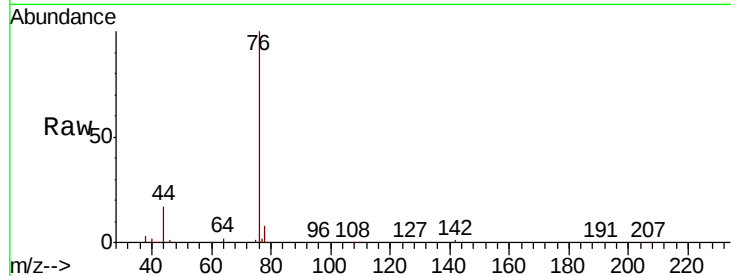
#17
Carbon Disulfide
Concen: 44.465 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8

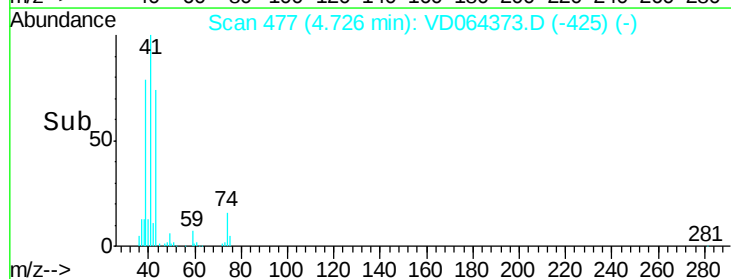
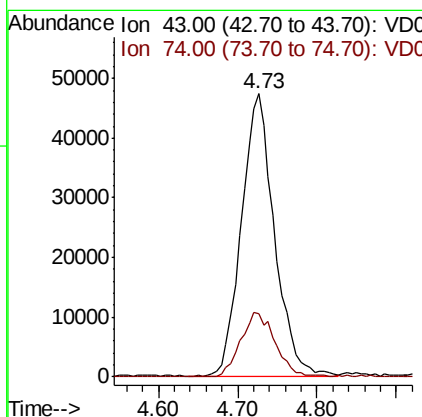
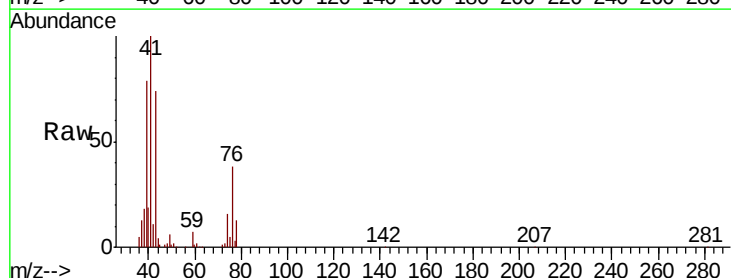
Manual Integrations
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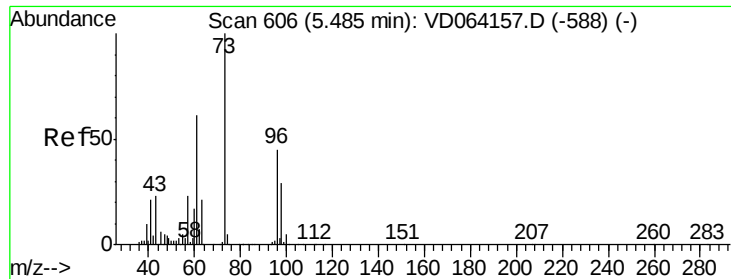
MMDadoda
11/26/2019 9:55:53 AM



#18
Methyl Acetate
Concen: 57.377 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	18.4	27.6





#19

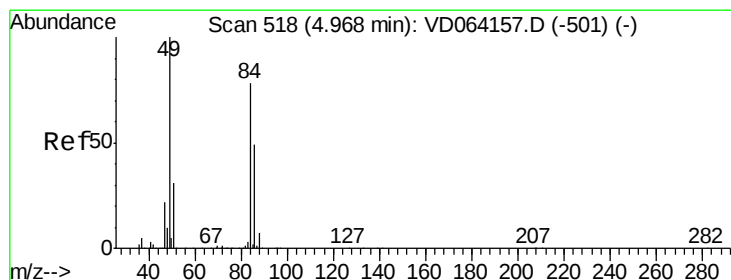
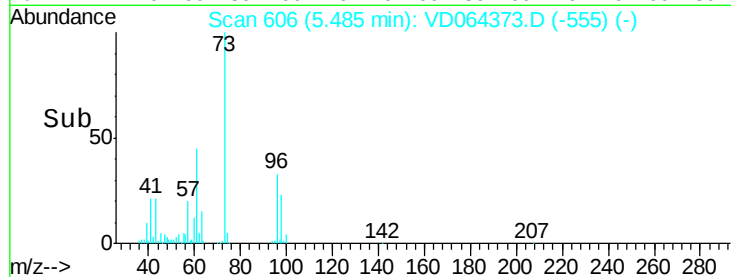
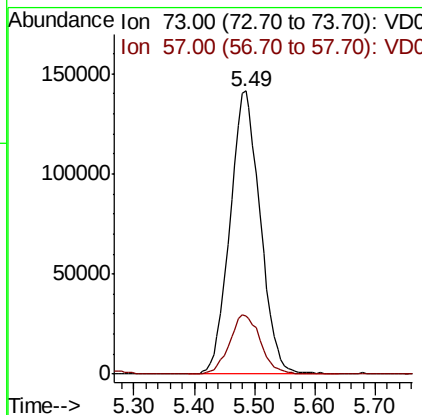
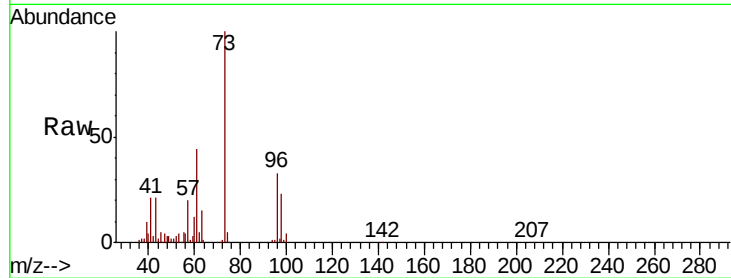
Methyl tert-butyl Ether
 Concen: 55.486 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	18.4	27.6

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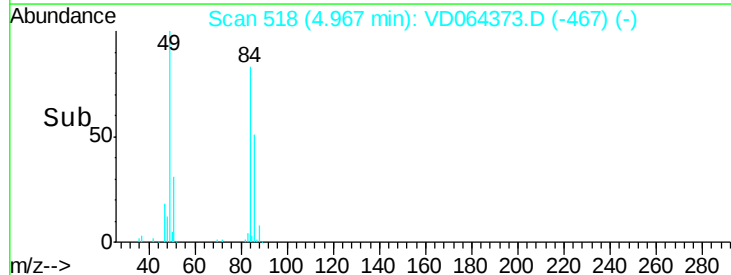
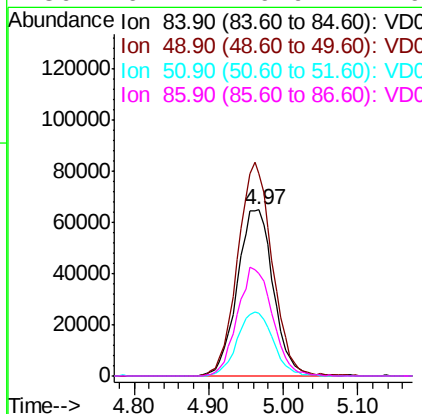
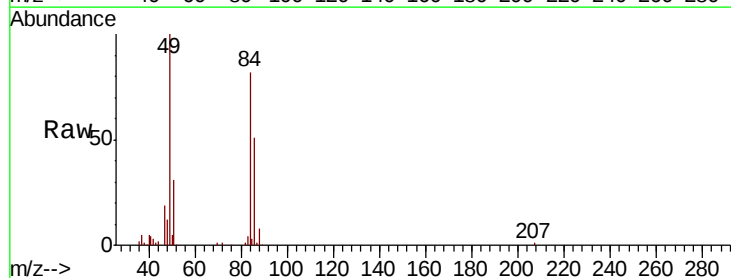
MMDadoda
 11/26/2019 9:55:53 AM

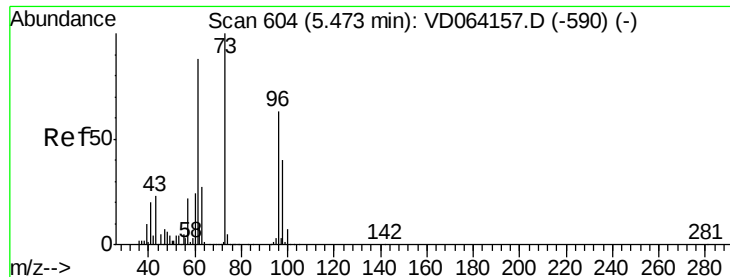


#20

Methylene Chloride
 Concen: 50.135 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.6	102.1	153.1
51	37.5	32.2	48.2
86	61.7	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 50.601 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

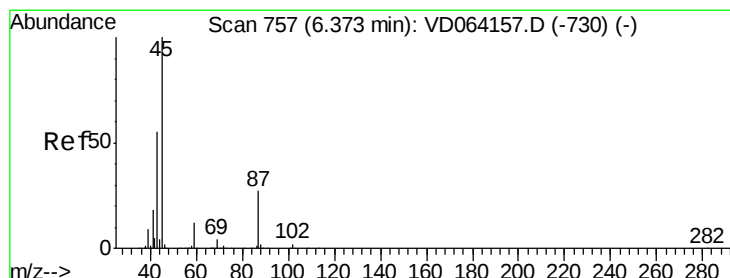
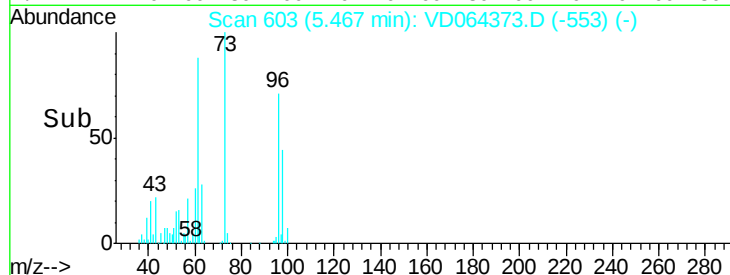
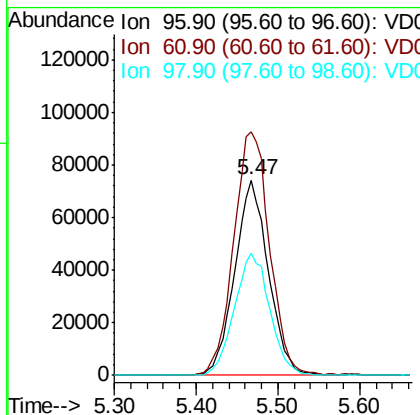
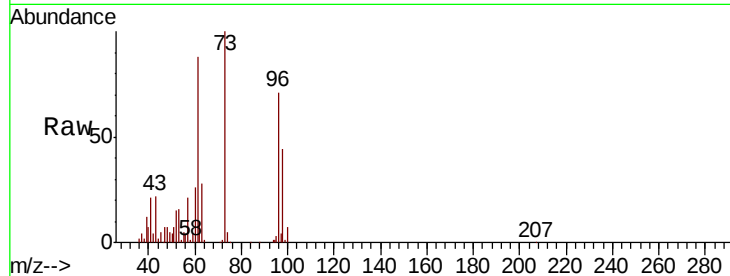
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	212965
Ion	Ratio	Lower	Upper
96	100		
61	124.9	111.8	167.6
98	62.8	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.012 ug/l

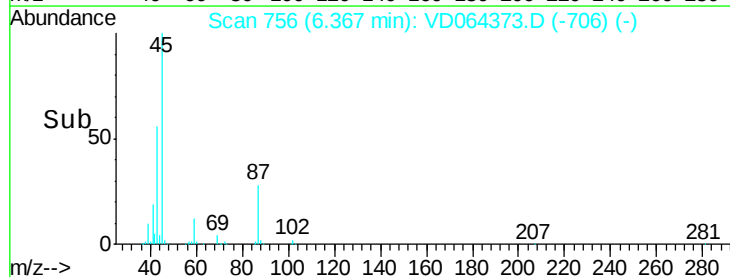
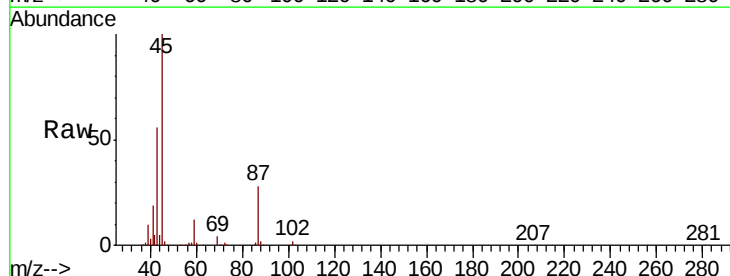
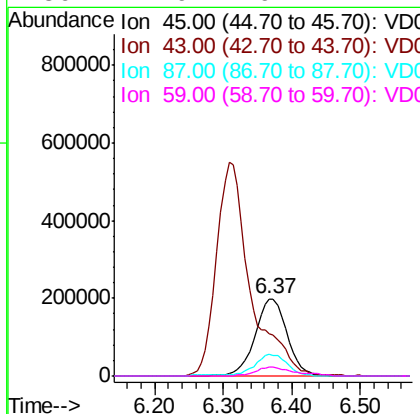
RT: 6.37 min Scan# 756

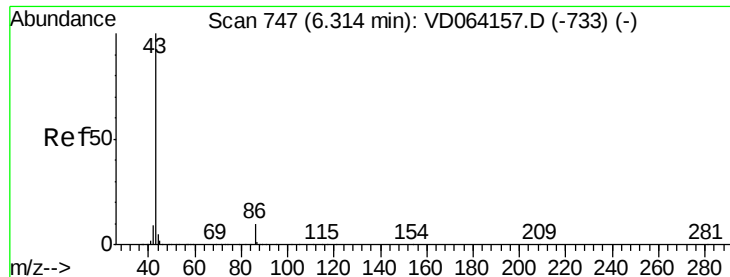
Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Tgt Ion:	45	Resp:	646024
Ion	Ratio	Lower	Upper
45	100		
43	54.9	44.4	66.6
87	28.3	21.9	32.9
59	11.9	9.4	14.2





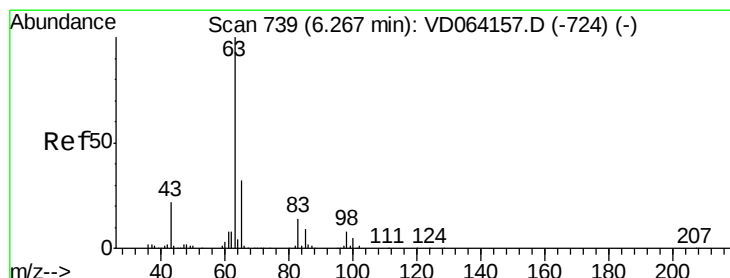
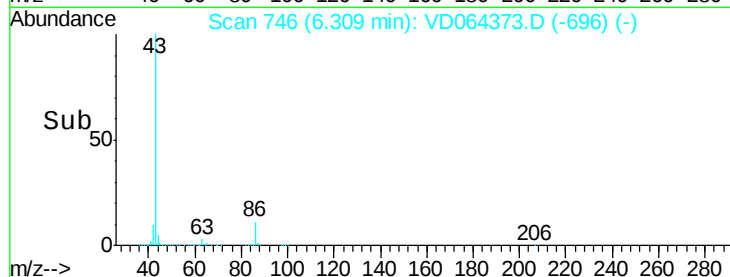
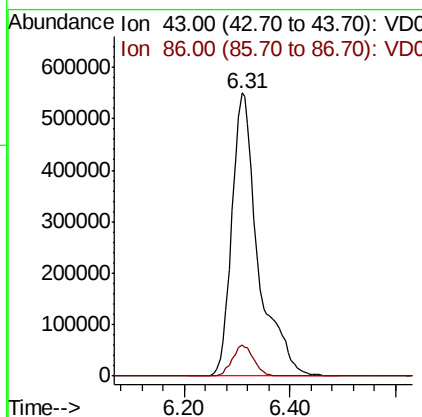
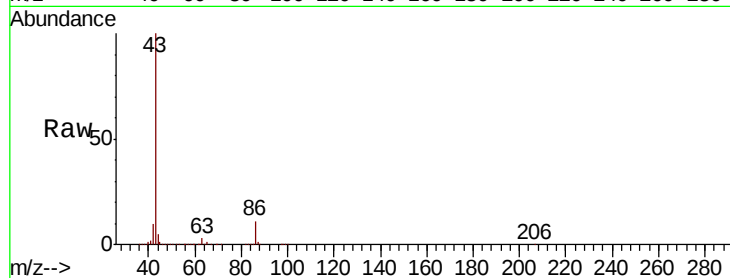
#23
 Vinyl Acetate
 Concen: 279.020 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1895387
 Ion Ratio Lower Upper
 43 100
 86 11.2 8.2 12.2

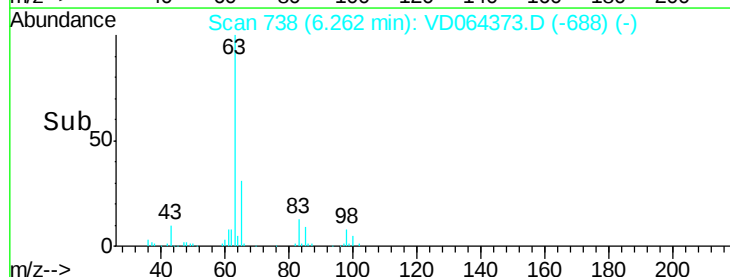
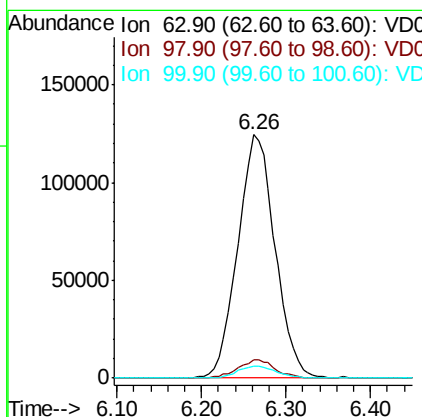
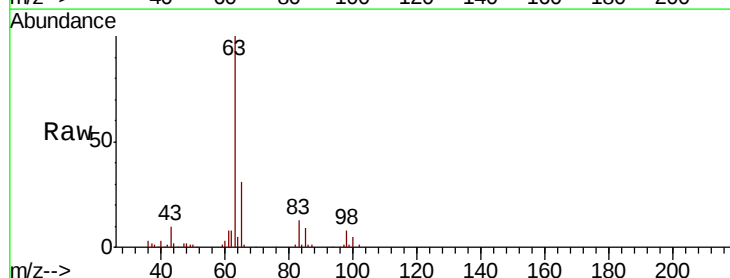
Manual Integrations
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 11/26/2019 9:55:53 AM



#24
 1,1-Dichloroethane
 Concen: 53.856 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion: 63 Resp: 381074
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.8 11.4
 100 4.9 2.4 7.2





#25

2-Butanone

Concen: 257.353 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 286385

Ion Ratio Lower Upper

43 100

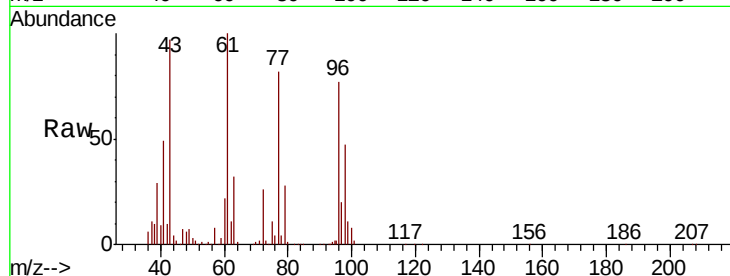
72 26.5 20.6 30.8

Manual Integrations

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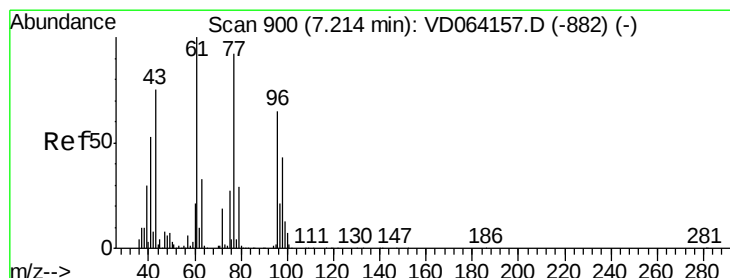
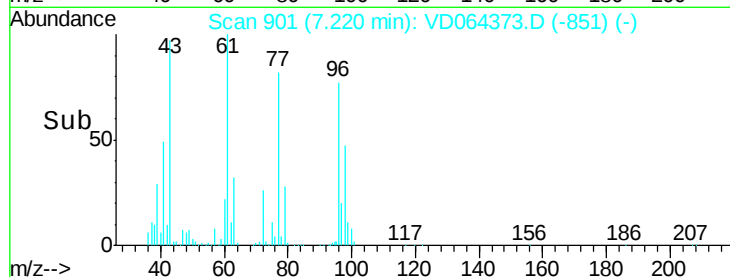
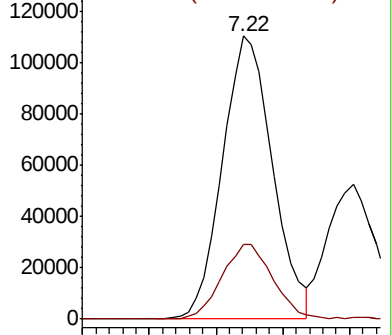
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 45.136 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064373.D

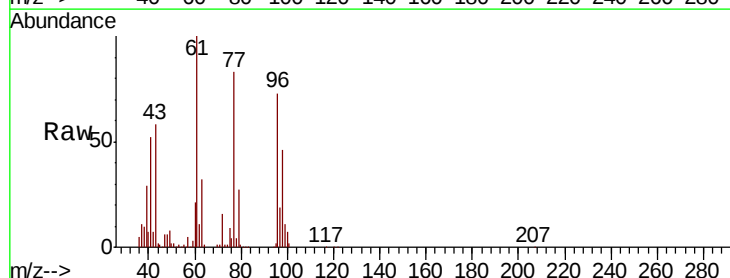
Acq: 25 Nov 2019 21:17

Tgt Ion: 77 Resp: 313203

Ion Ratio Lower Upper

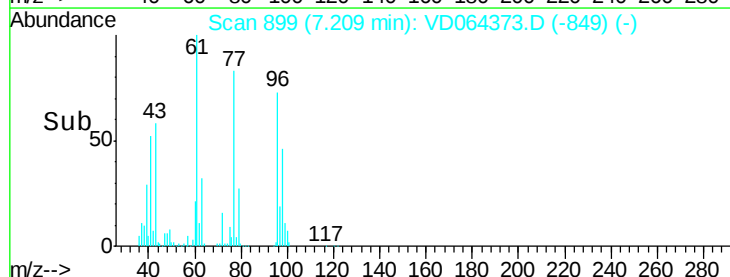
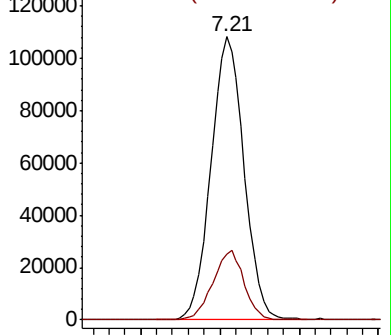
77 100

97 23.2 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

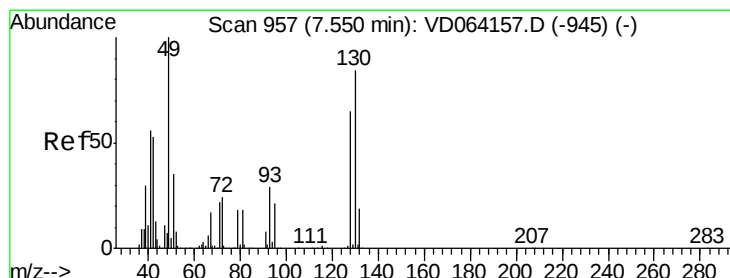
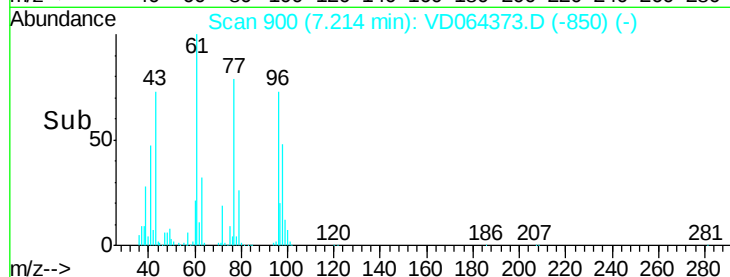
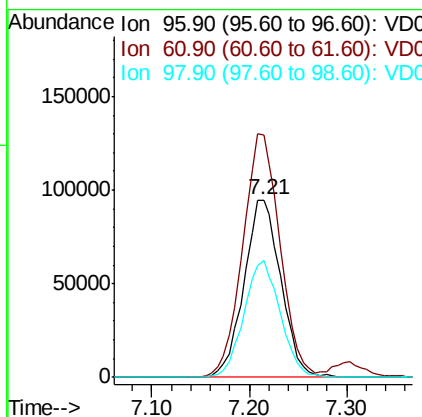
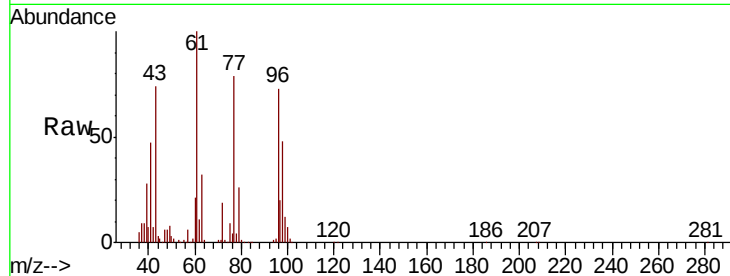
cis-1,2-Dichloroethene
Concen: 55.535 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	301.4
98	64.8	0.0	133.2

Manual Integrations
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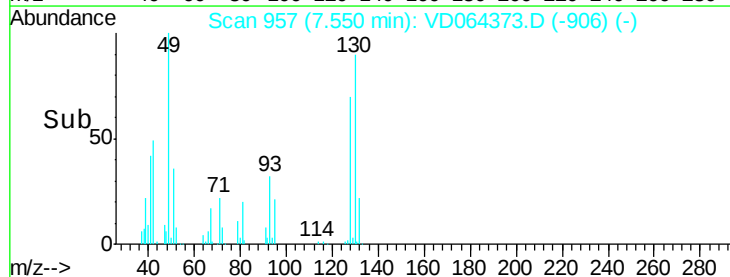
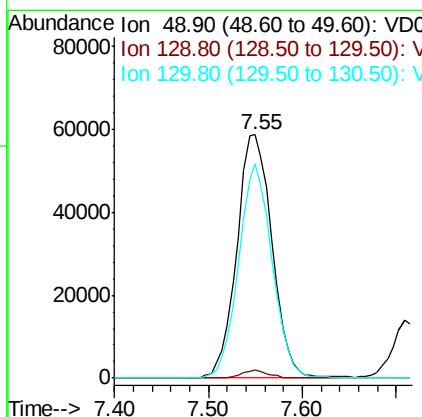
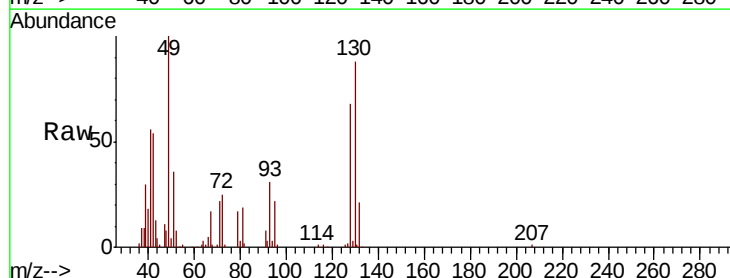
MMDadoda
11/26/2019 9:55:53 AM

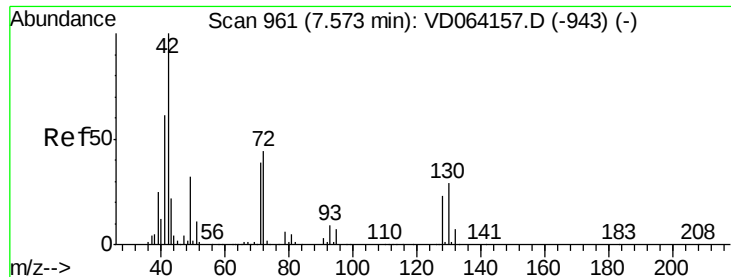


#28

Bromochloromethane
Concen: 61.887 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.4
130	83.6	66.8	100.2





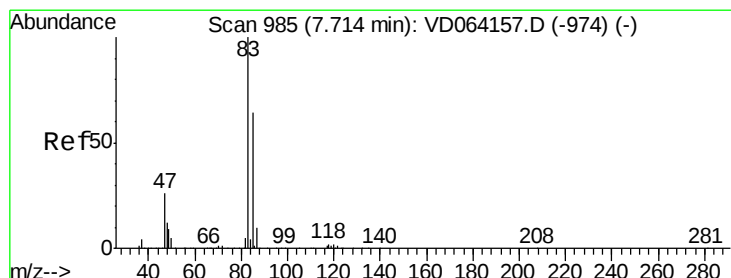
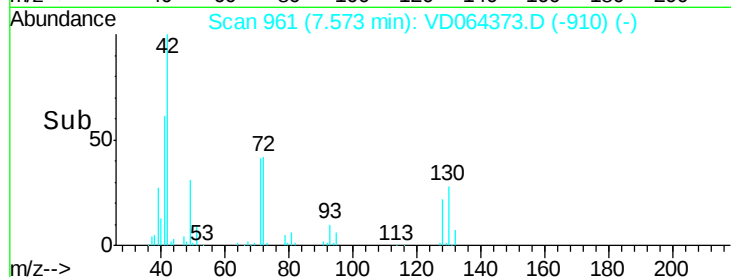
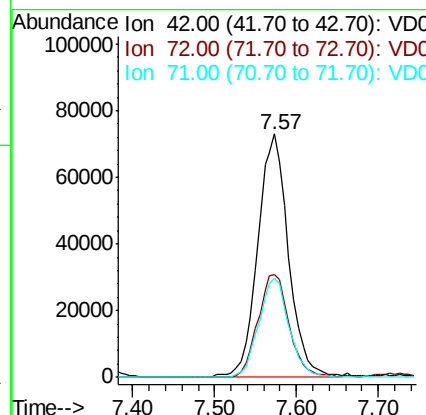
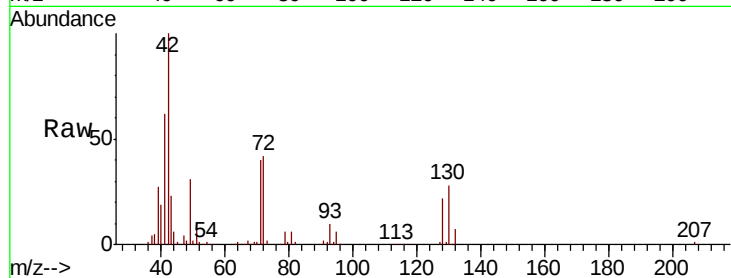
#29
Tetrahydrofuran
Concen: 284.384 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.3	33.4	50.2
71	40.3	31.0	46.4

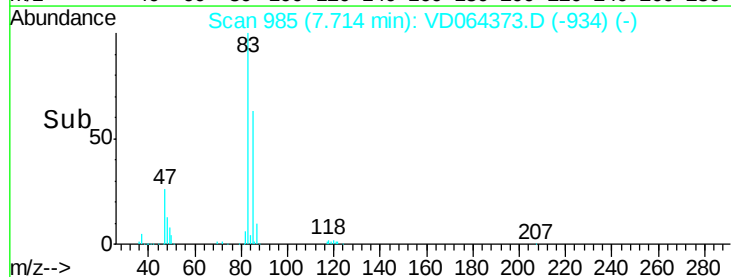
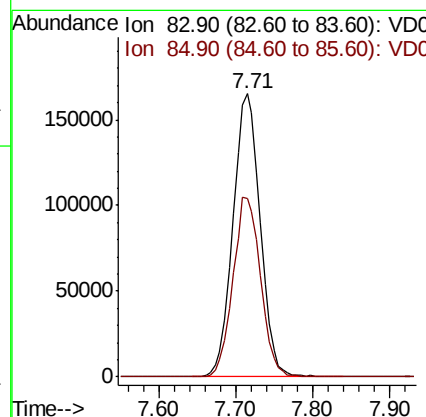
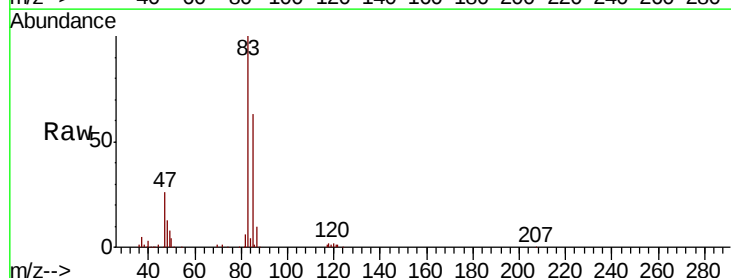
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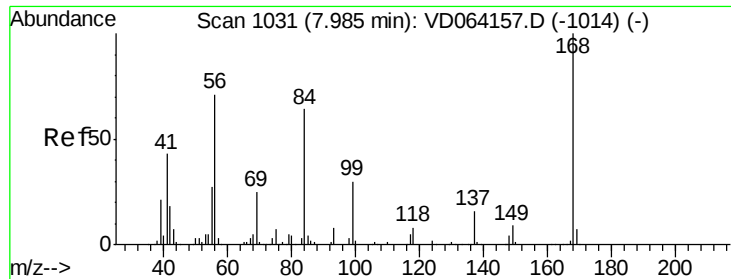
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#30
Chloroform
Concen: 56.313 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.4	77.0





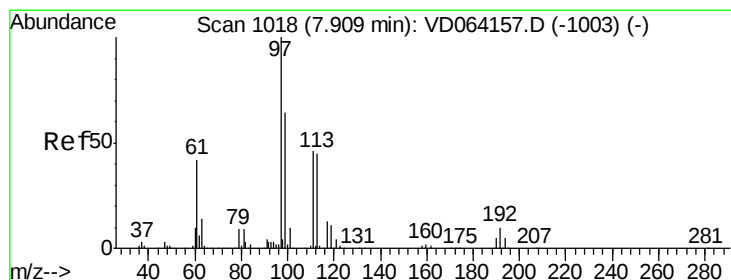
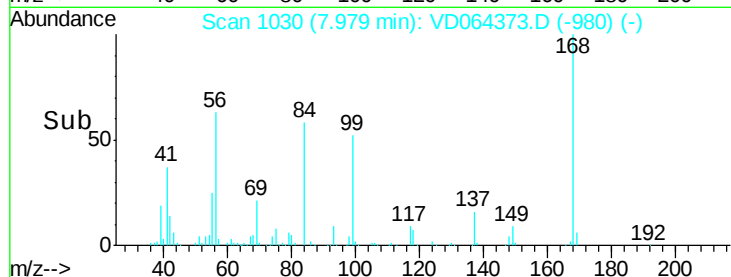
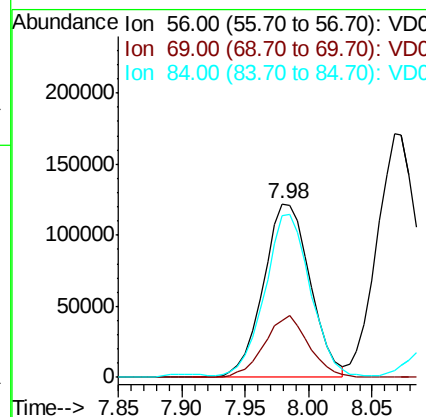
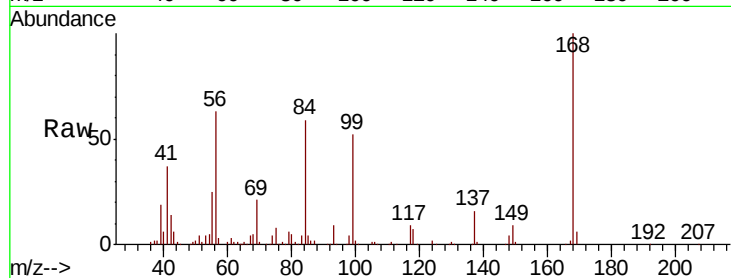
#31
Cyclohexane
Concen: 43.947 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	28.2	42.4
84	91.6	71.8	107.6

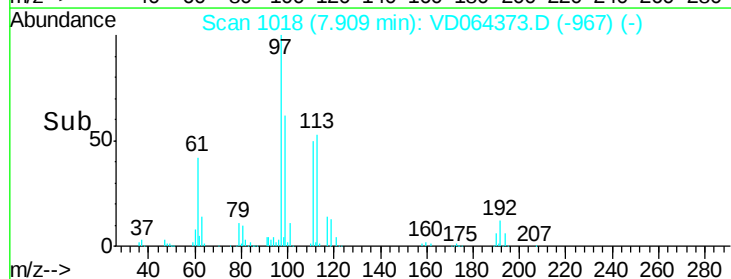
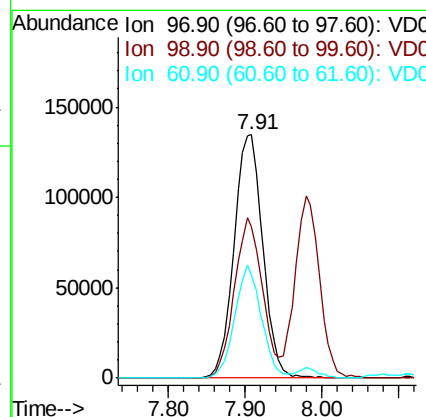
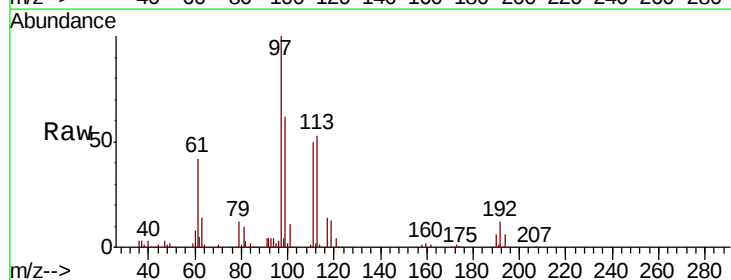
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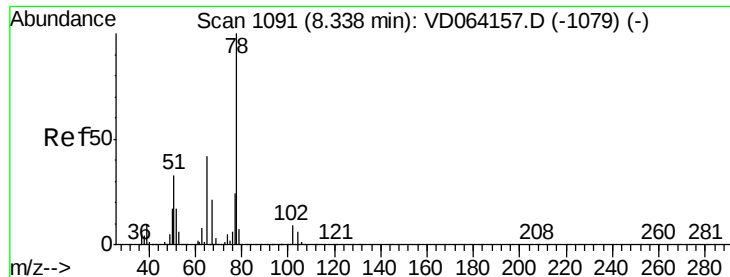
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#32
1,1,1-Trichloroethane
Concen: 50.818 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.6	77.4
61	42.8	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 55.076 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 200251

Ion Ratio Lower Upper

65 100

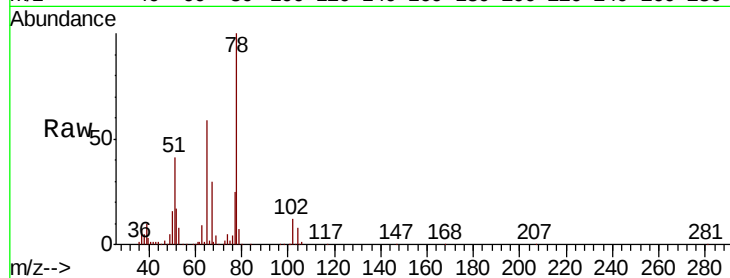
67 51.5 0.0 104.4

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

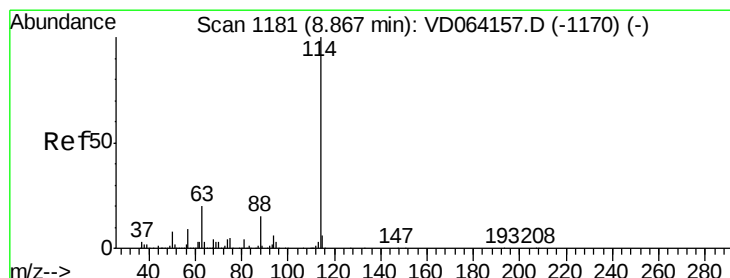
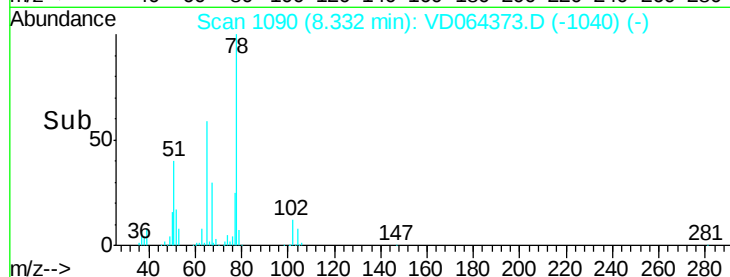
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

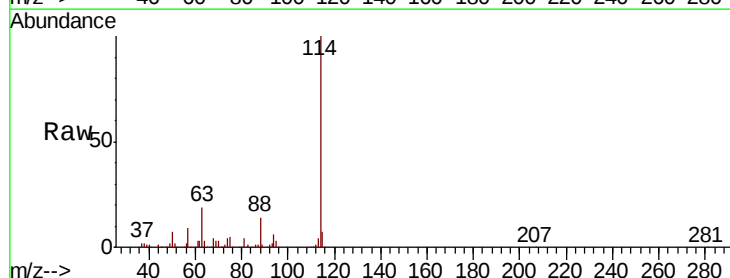
Tgt Ion: 114 Resp: 667298

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 14.0 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

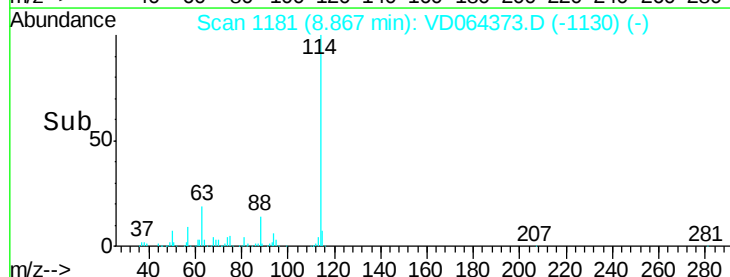
300000

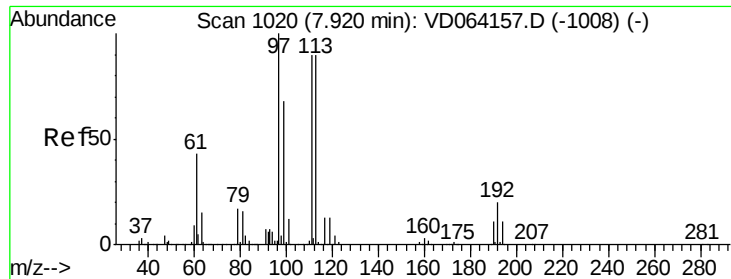
200000

100000

0

Time-->





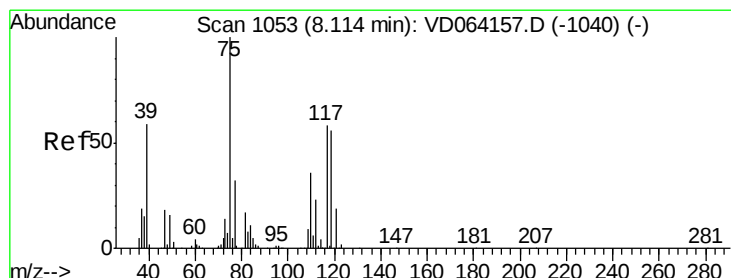
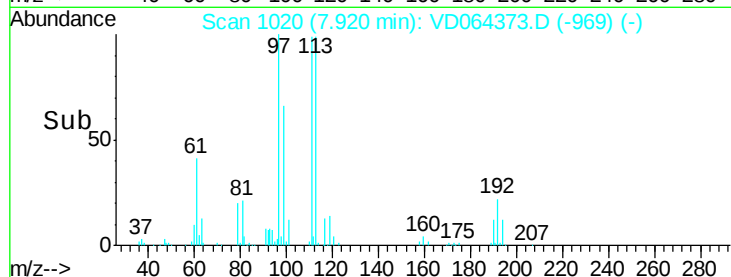
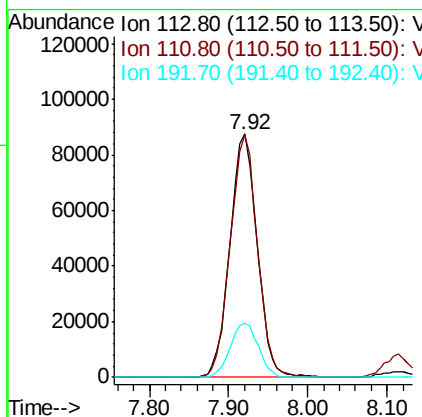
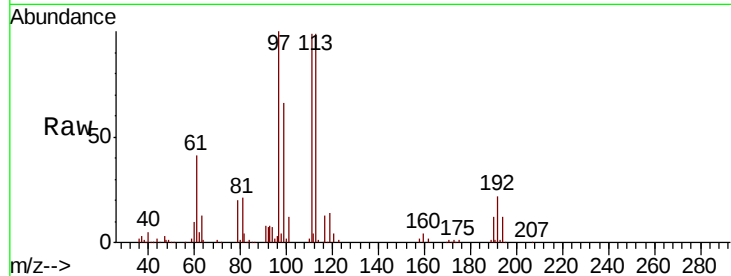
#35
Dibromofluoromethane
Concen: 54.456 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	208589		
111	99.6	81.5	122.3	
192	23.1	18.8	28.2	

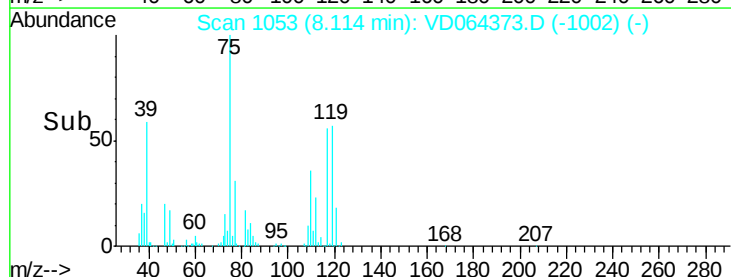
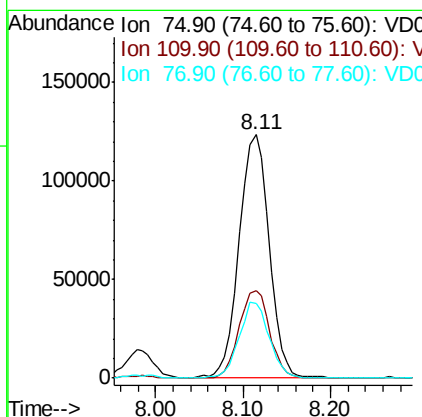
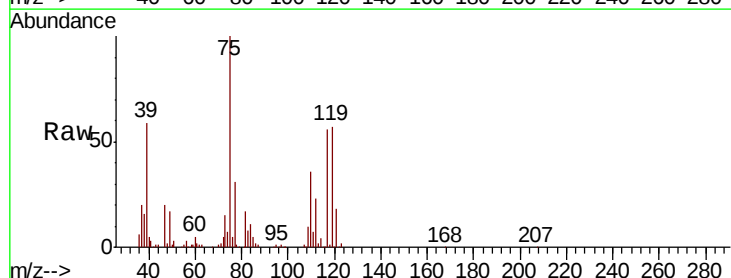
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#36
1,1-Dichloropropene
Concen: 46.735 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	287823		
110	36.3	18.3	54.9	
77	31.1	25.0	37.6	





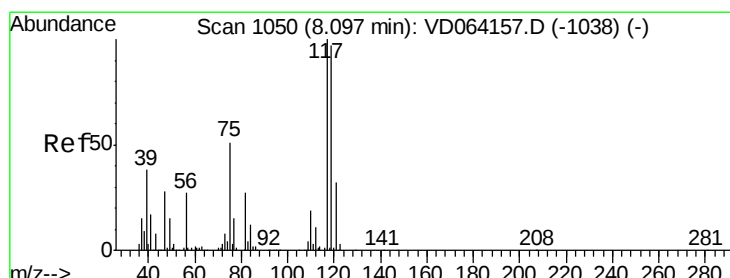
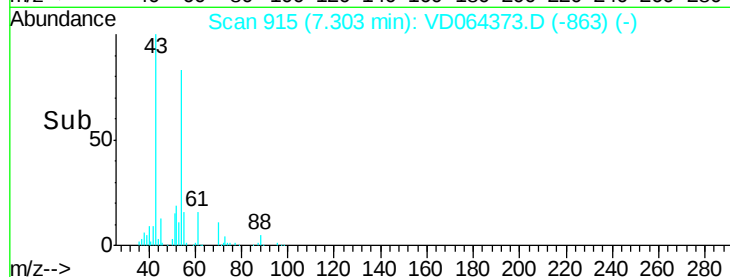
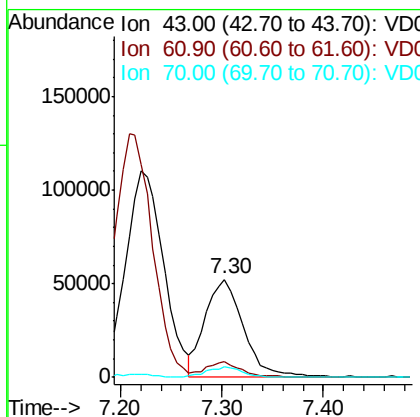
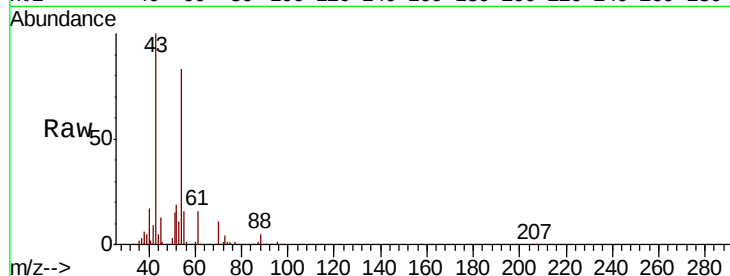
#37
Ethyl Acetate
Concen: 52.306 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.2	15.2
70	10.1	8.5	12.7

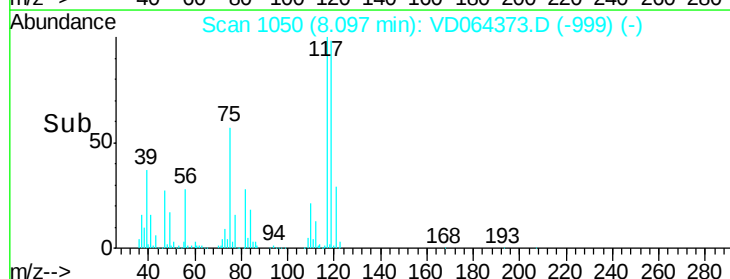
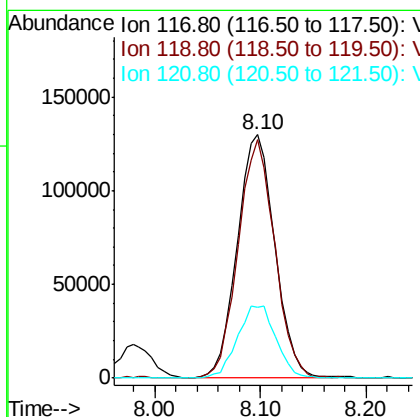
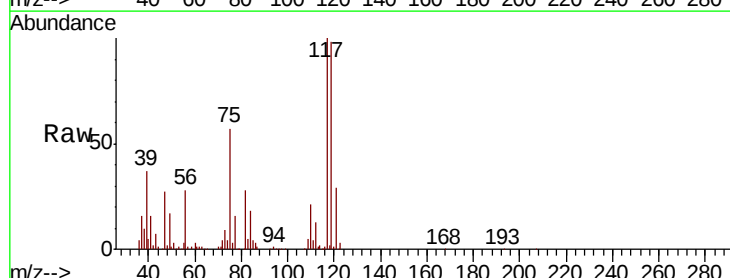
Manual Integrations
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11/26/2019 9:55:53 AM



#38
Carbon Tetrachloride
Concen: 48.399 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.2	115.8
121	29.3	25.5	38.3





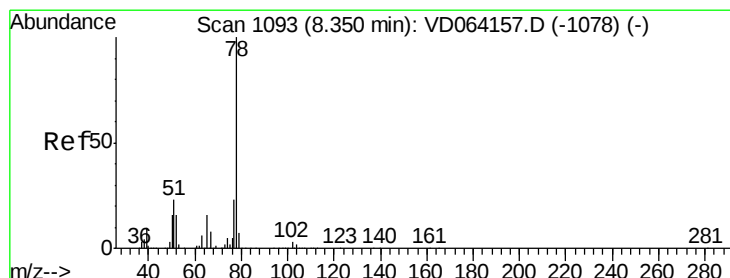
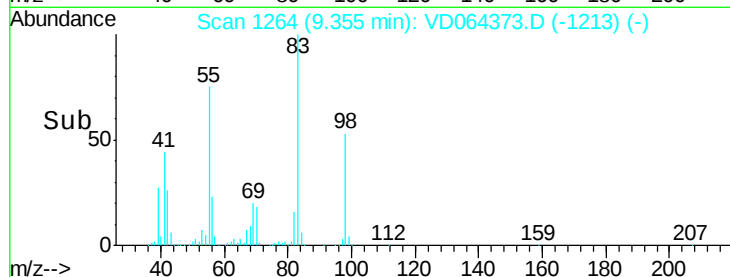
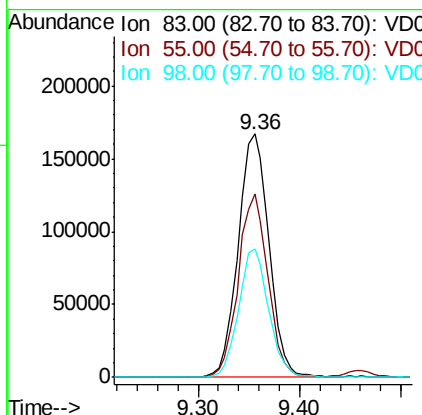
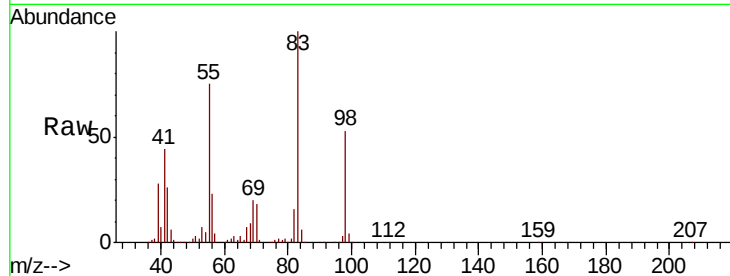
#39
Methvlcvclohexane
Concen: 45.182 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.3	61.7	92.5
98	52.7	38.6	58.0

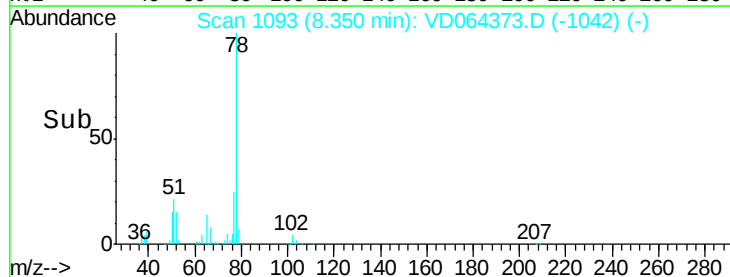
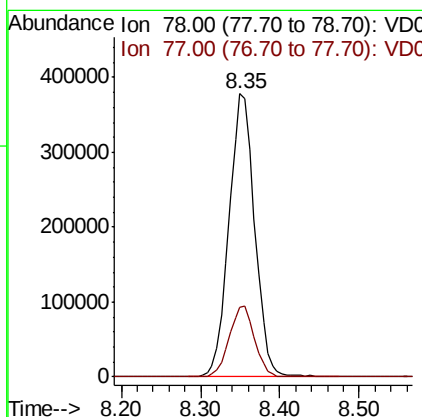
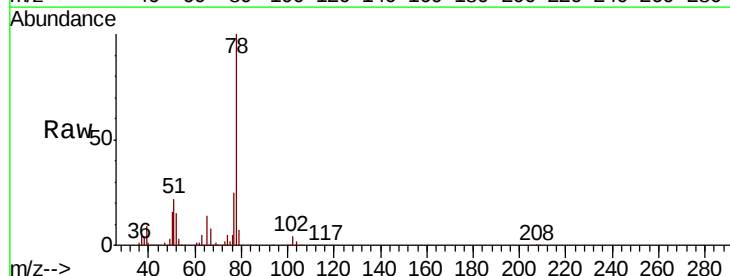
Manual Integrations
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#40
Benzene
Concen: 50.345 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.6	28.0





#41

Methacrylonitrile

Concen: 49.001 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 79962

Ion Ratio Lower Upper

41 100

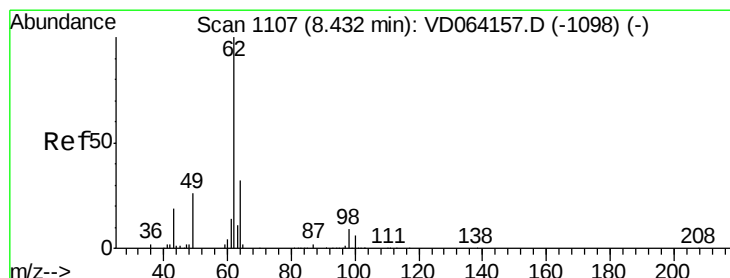
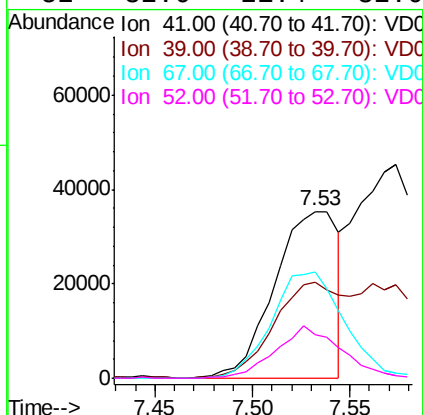
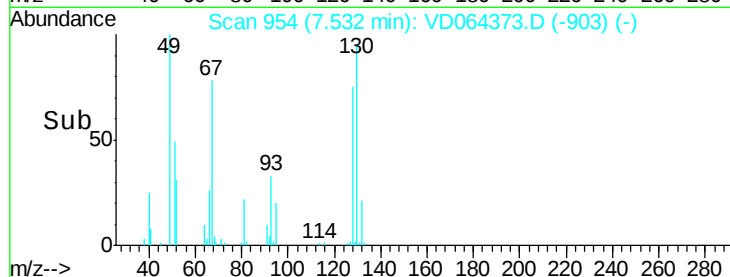
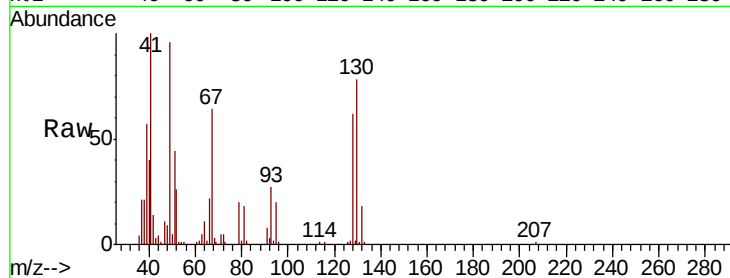
39 64.7 49.4 74.2

67 73.4 49.6 74.4

52 32.6 21.4 32.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.645 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064373.D

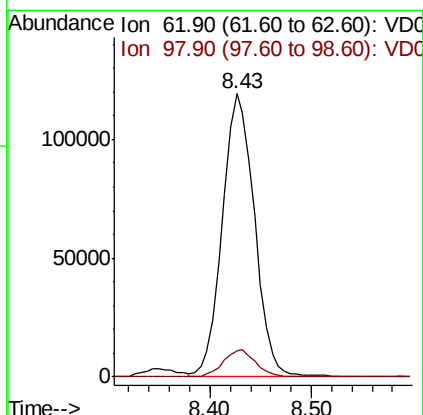
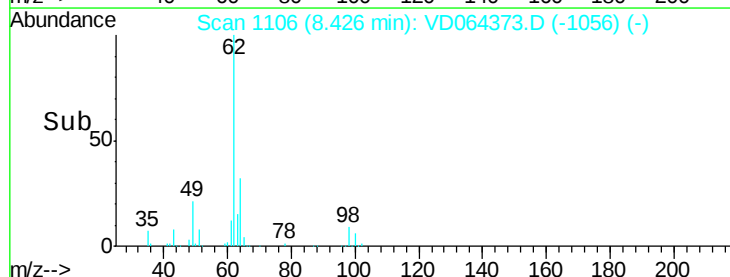
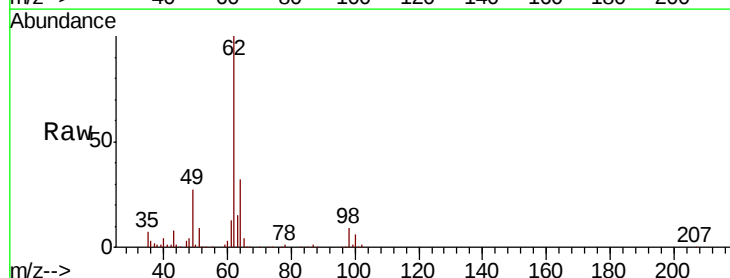
Acq: 25 Nov 2019 21:17

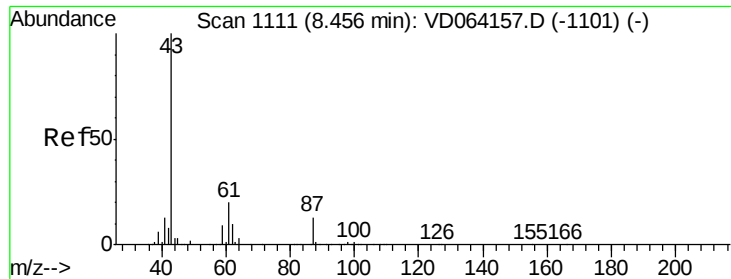
Tgt Ion: 62 Resp: 261074

Ion Ratio Lower Upper

62 100

98 9.6 0.0 19.0





#43

Isopropyl Acetate

Concen: 51.106 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

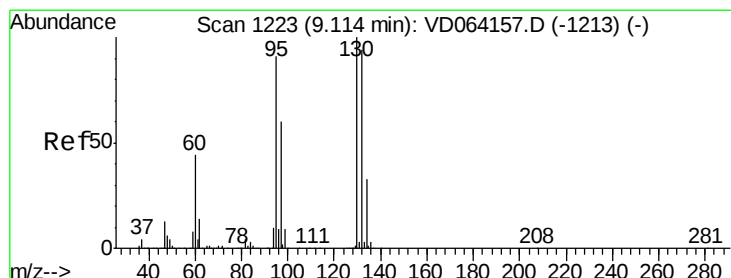
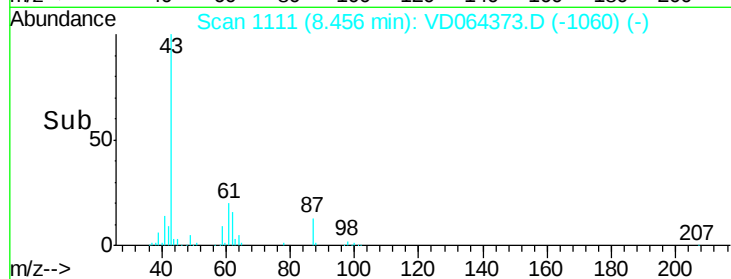
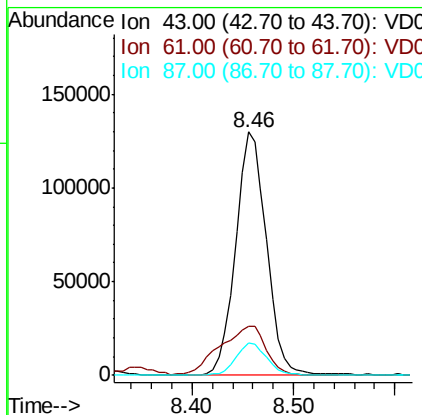
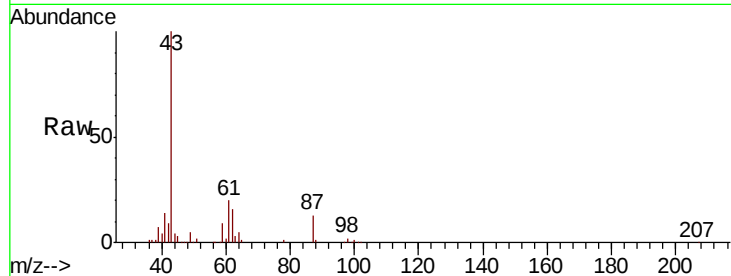
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	273391
Ion	Ratio	Lower	Upper
43	100		
61	30.2	22.9	34.3
87	13.3	10.2	15.2

Manual Integrations
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#44

Trichloroethene

Concen: 50.032 ug/l

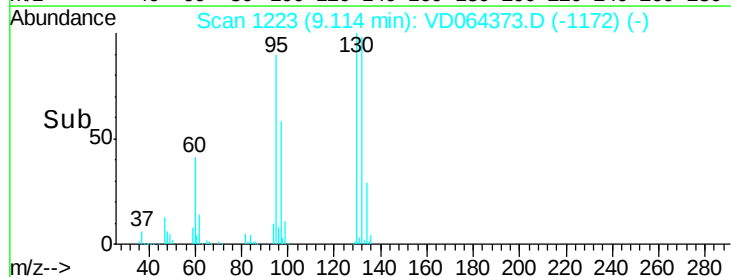
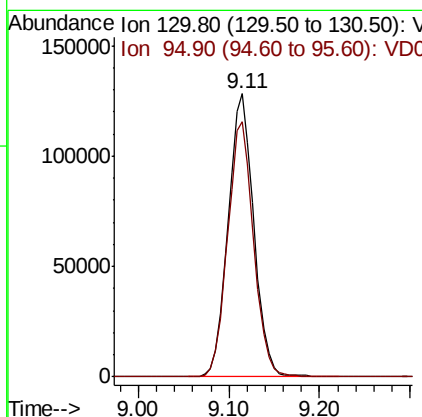
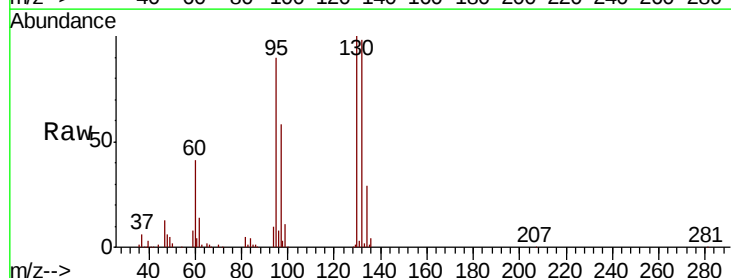
RT: 9.11 min Scan# 1223

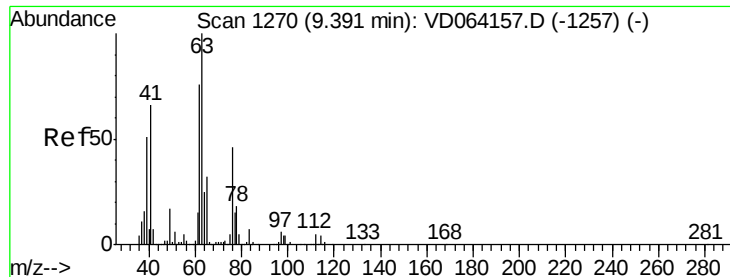
Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Tgt Ion:	130	Resp:	252746
Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	181.6





#45

1,2-Dichloropropane

Concen: 52.776 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 216210

Ion Ratio Lower Upper

63 100

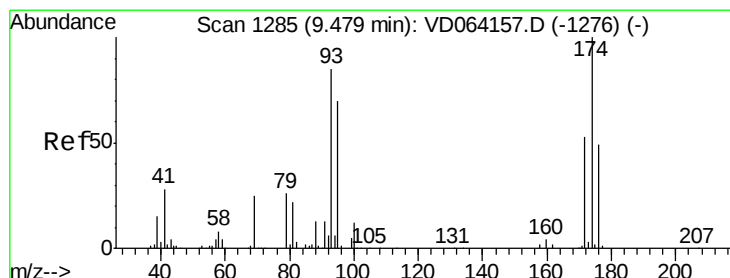
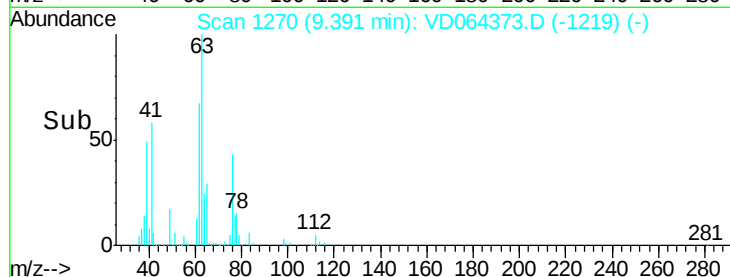
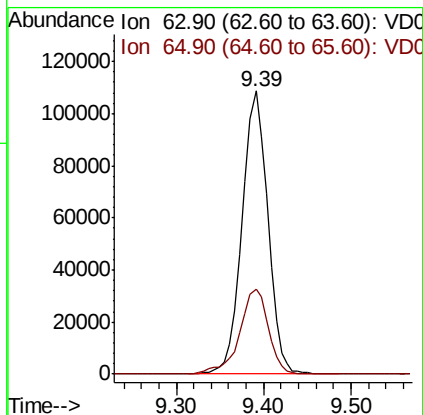
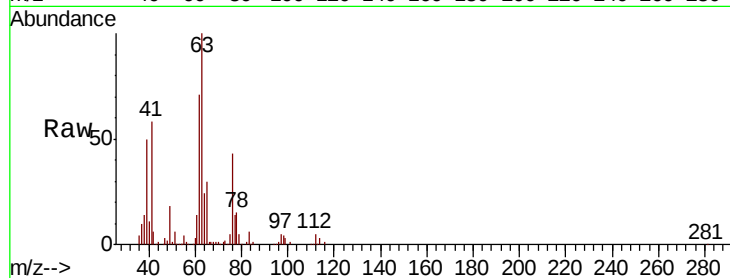
65 29.9 25.7 38.5

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#46

Dibromomethane

Concen: 55.029 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

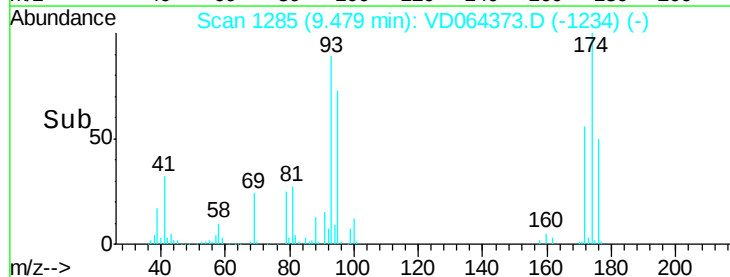
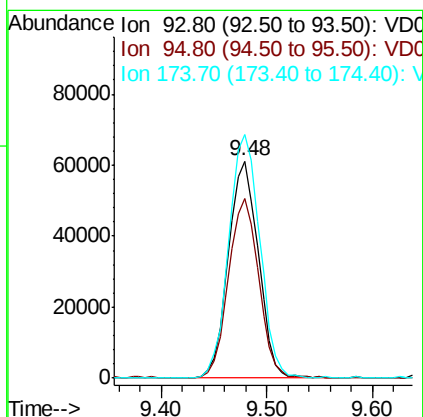
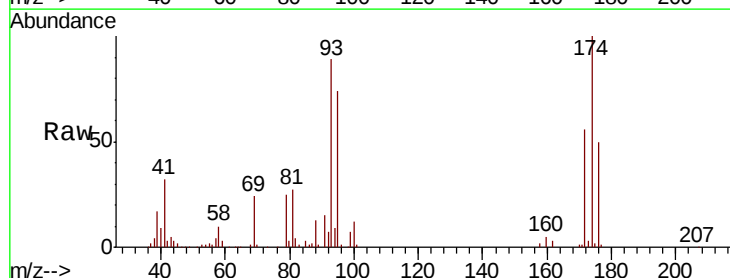
Tgt Ion: 93 Resp: 120691

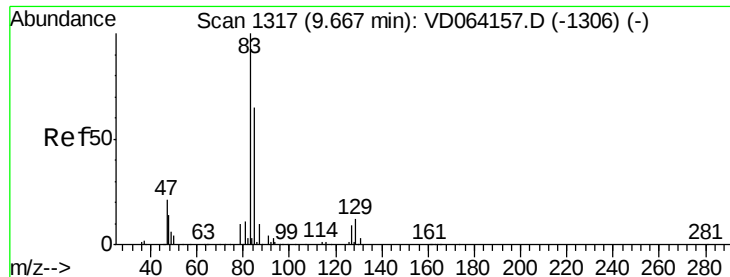
Ion Ratio Lower Upper

93 100

95 83.5 65.5 98.3

174 115.9 93.9 140.9





#47

Bromodichloromethane

Concen: 54.018 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

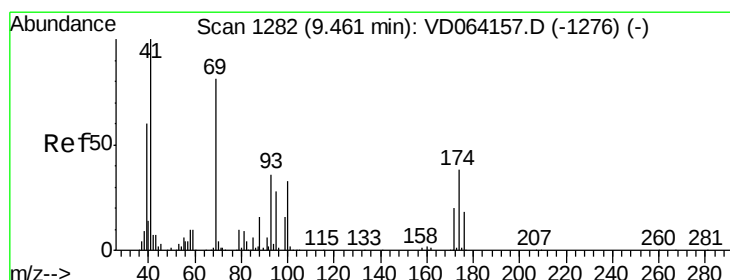
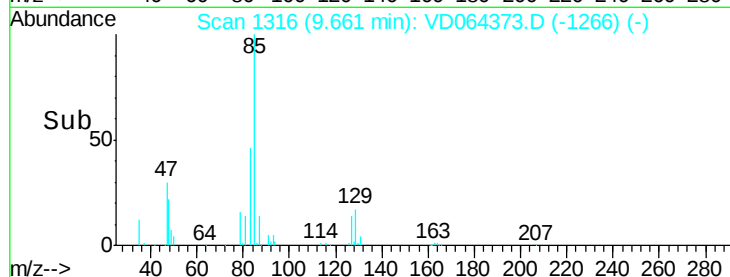
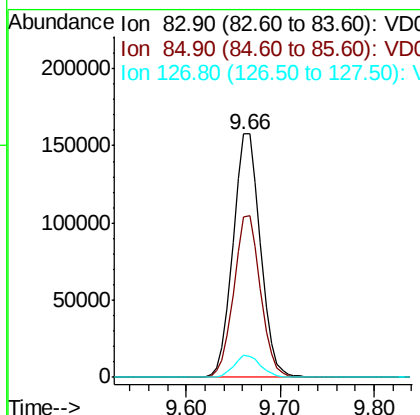
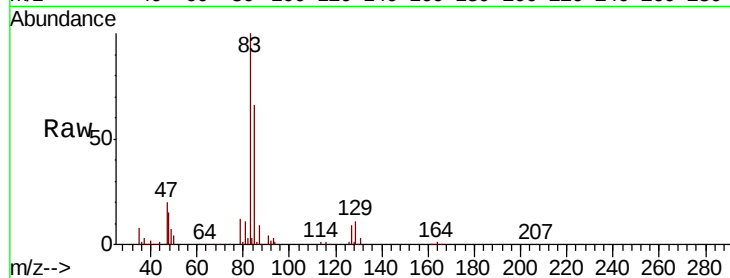
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	319123
Ion	Ratio	Lower	Upper
83	100		
85	66.1	52.2	78.4
127	8.9	7.5	11.3

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#48

Methyl methacrylate

Concen: 49.282 ug/l

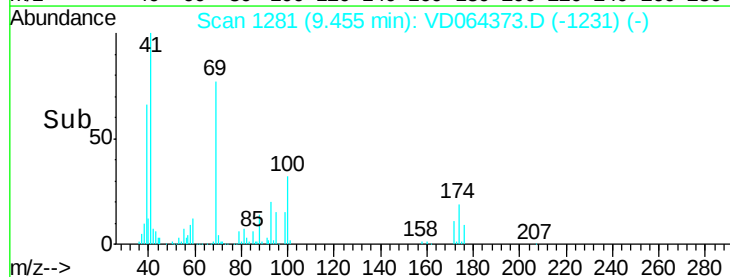
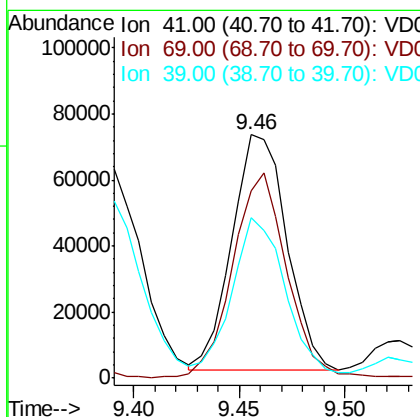
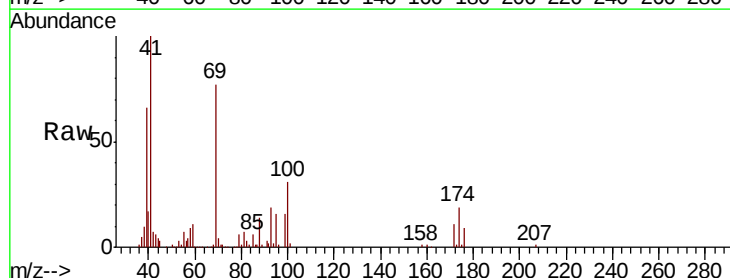
RT: 9.46 min Scan# 1281

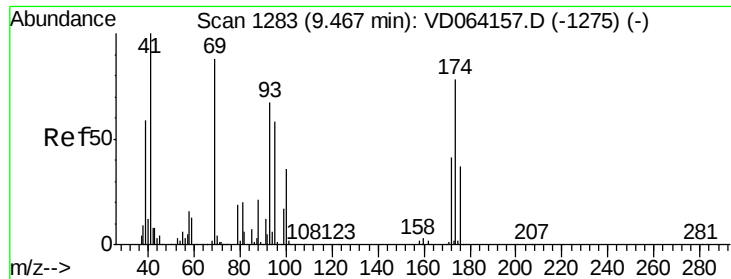
Delta R.T. -0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Tgt Ion:	41	Resp:	128910
Ion	Ratio	Lower	Upper
41	100		
69	85.5	64.6	97.0
39	67.1	48.2	72.2





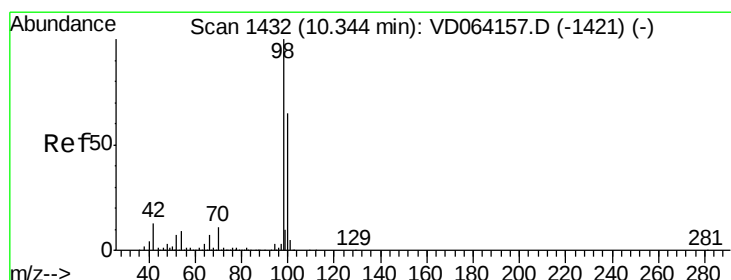
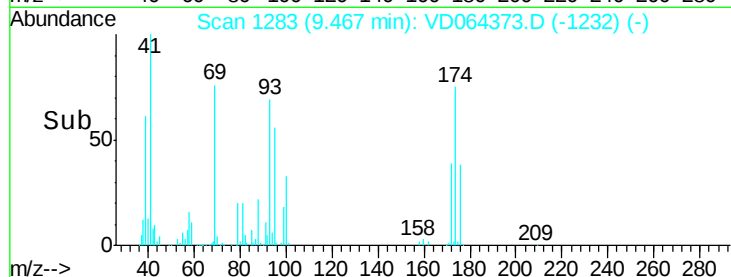
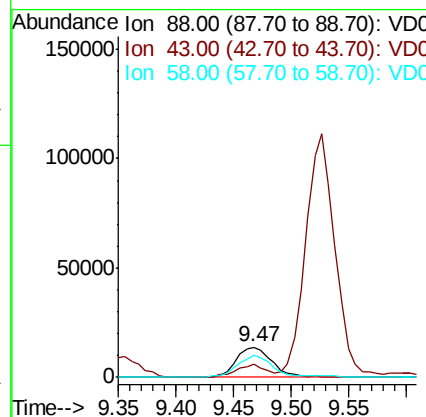
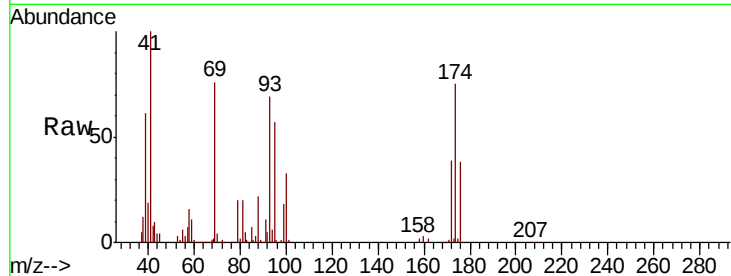
#49
1,4-Dioxane
Concen: 1122.718 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	29.8	44.8
58	69.5	58.1	87.1

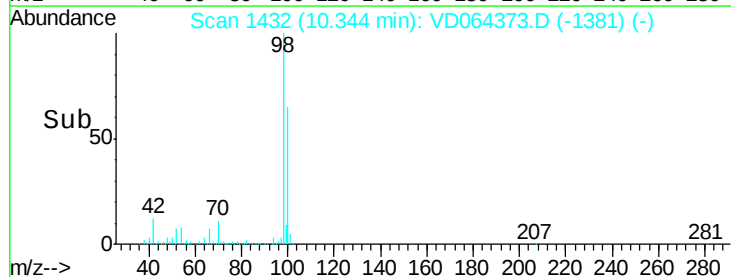
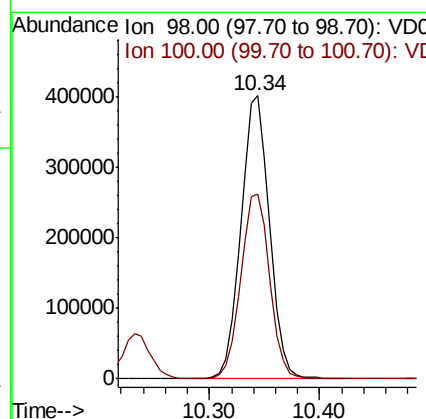
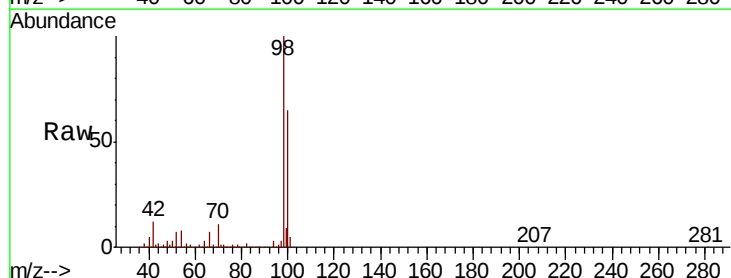
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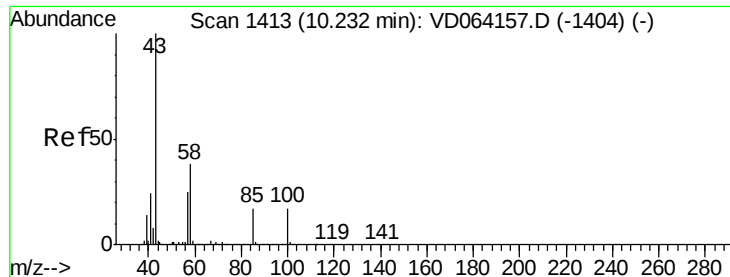
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#50
Toluene-d8
Concen: 50.501 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.6	78.8





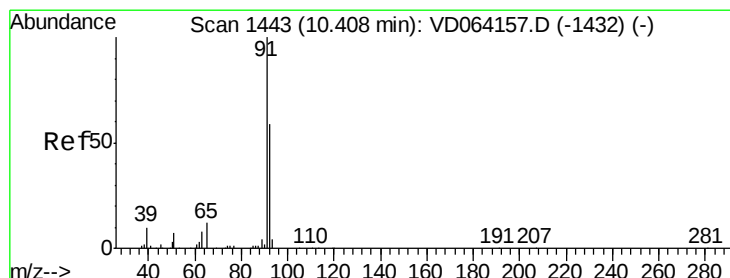
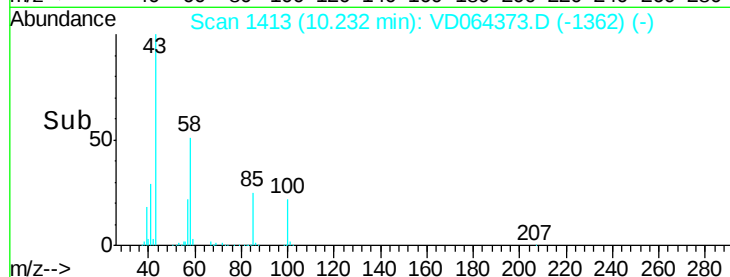
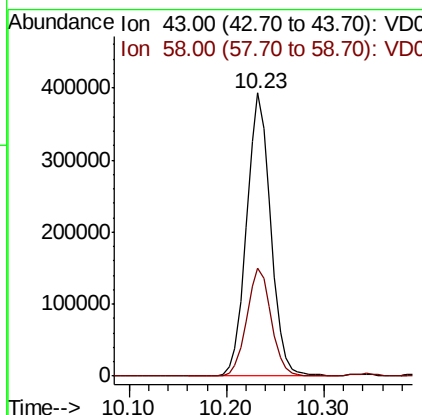
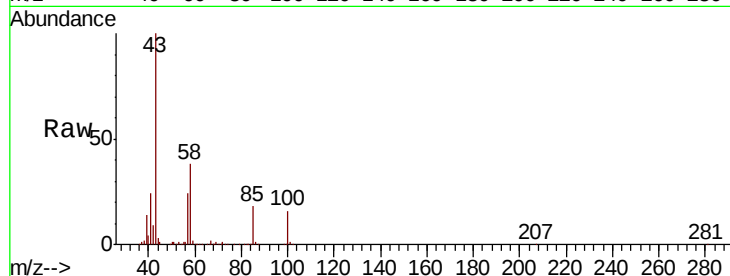
#51
4-Methyl-2-Pentanone
Concen: 265.563 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 681249
Ion Ratio Lower Upper
43 100
58 38.5 30.2 45.4

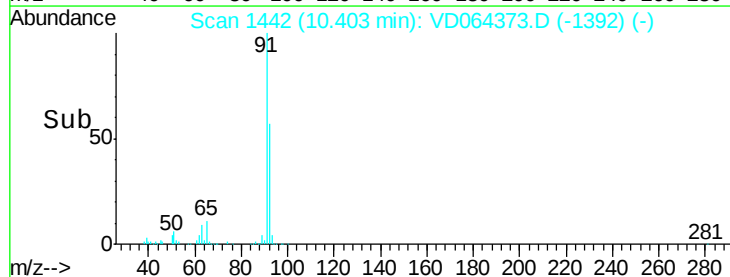
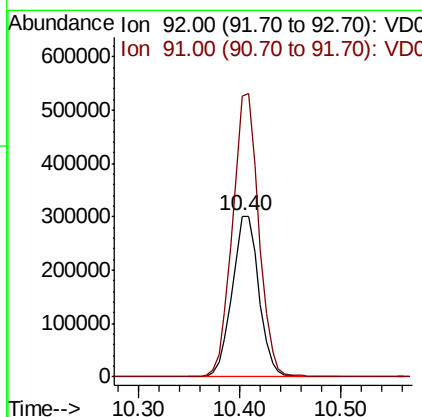
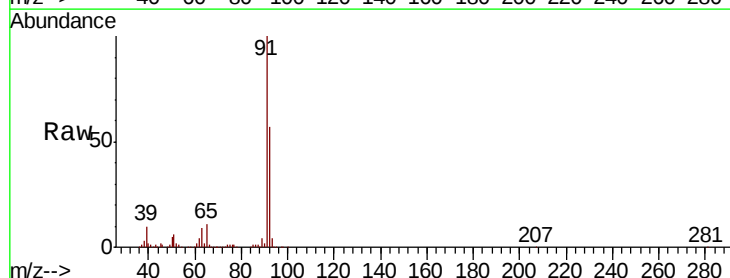
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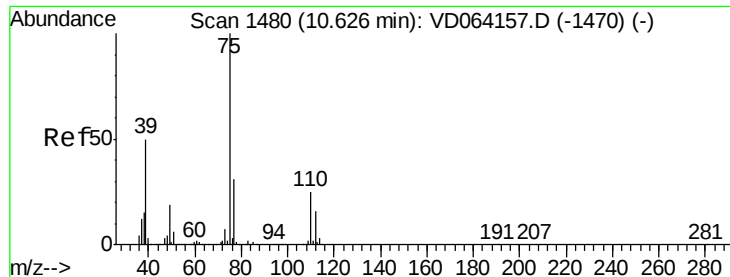
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11/26/2019 9:55:53 AM



#52
Toluene
Concen: 50.004 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 92 Resp: 553438
Ion Ratio Lower Upper
92 100
91 173.4 136.4 204.6





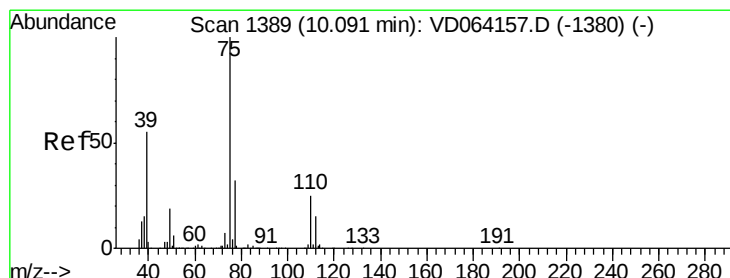
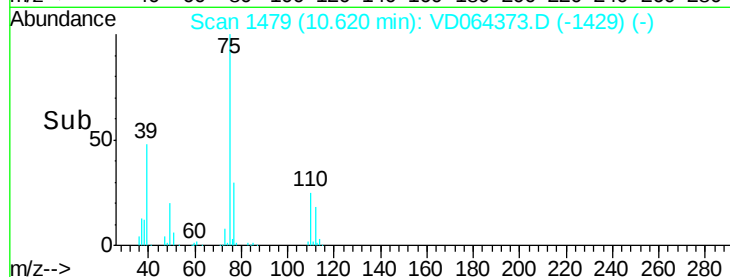
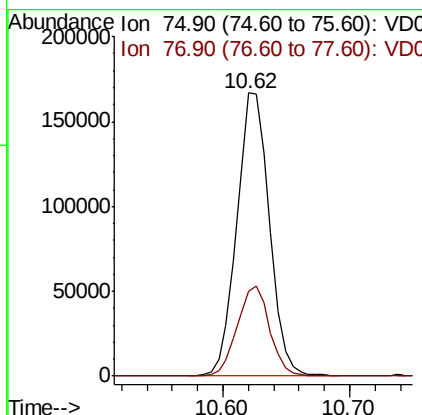
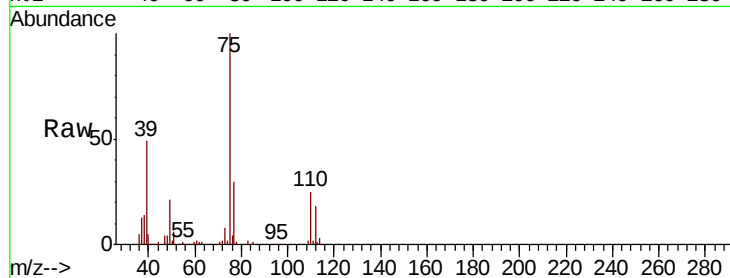
#53
t-1,3-Dichloropropene
Concen: 50.319 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	24.7	37.1

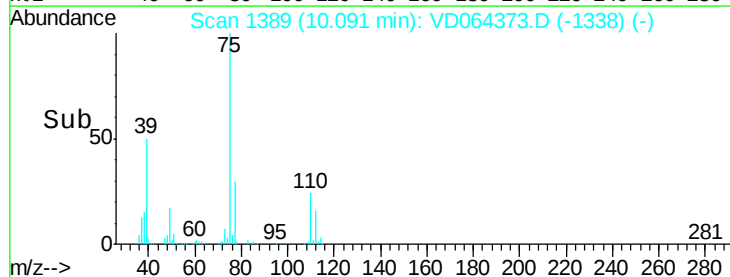
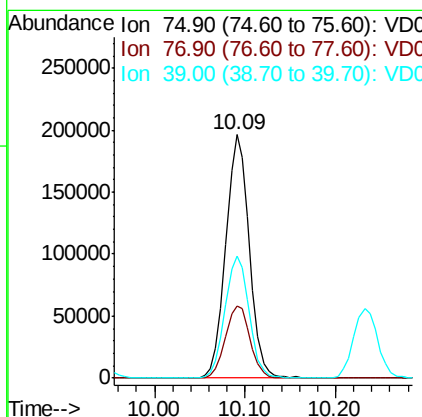
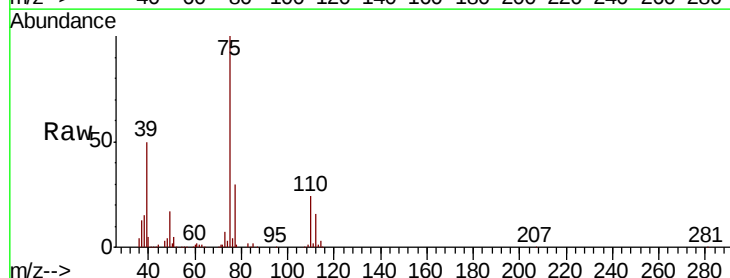
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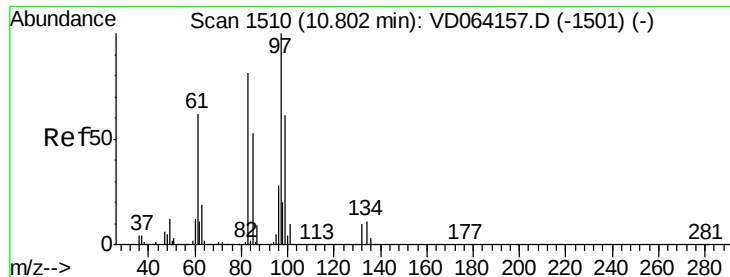
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#54
cis-1,3-Dichloropropene
Concen: 51.166 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.6	25.2	37.8
39	50.1	44.2	66.2





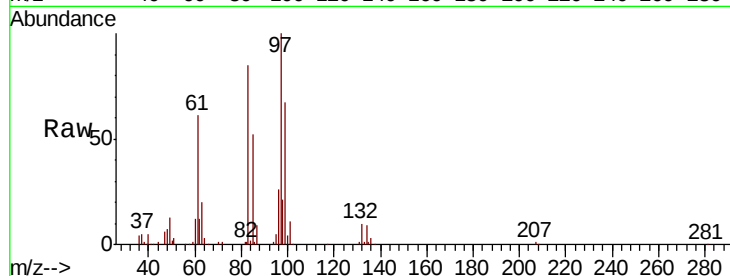
#55
 1,1,2-Trichloroethane
 Concen: 56.651 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

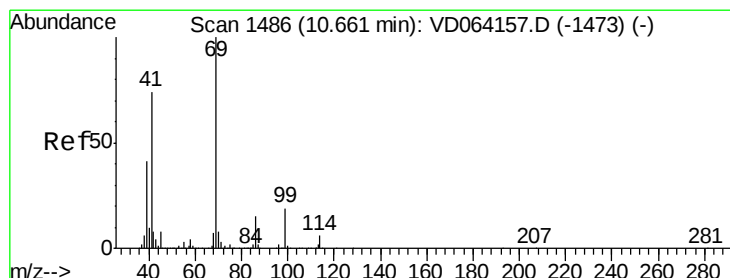
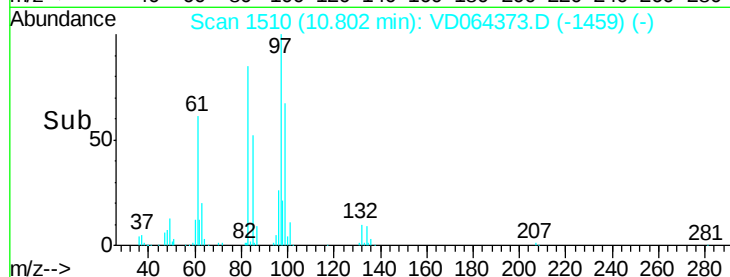
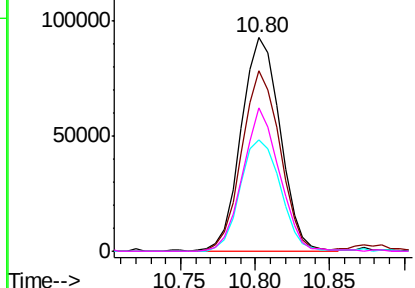
Tot Ion	Ratio	Lower	Upper
97	100		
83	84.6	65.1	97.7
85	52.4	42.0	63.0
99	67.1	48.9	73.3

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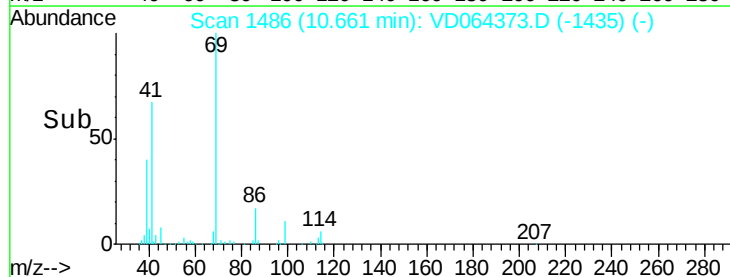
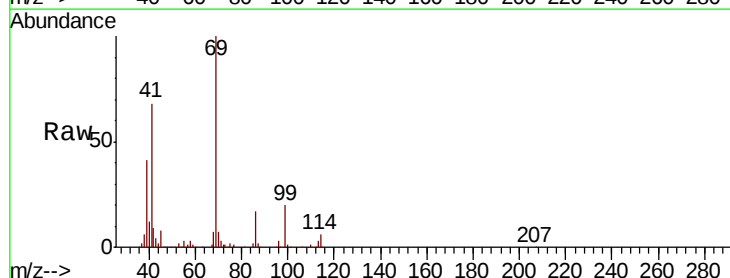
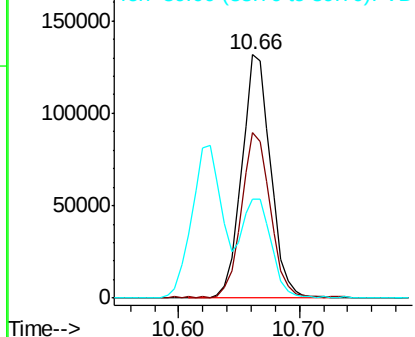
Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

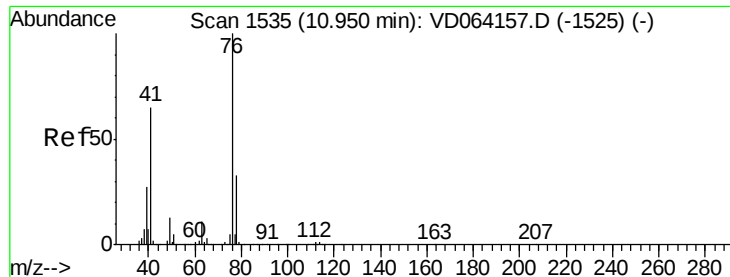


#56
 Ethyl methacrylate
 Concen: 52.743 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.7	57.9	86.9
39	41.9	29.0	43.4

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





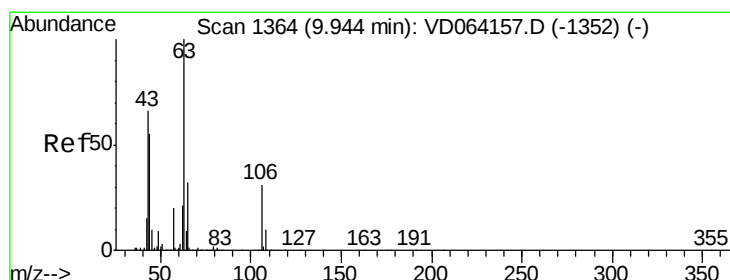
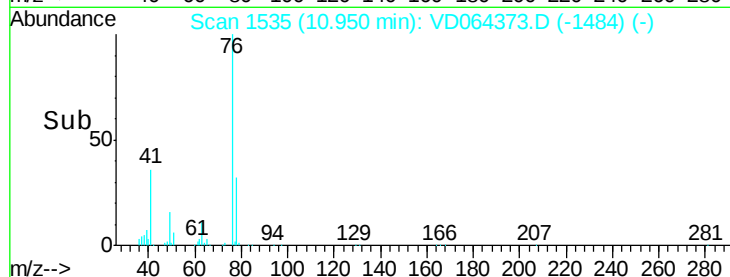
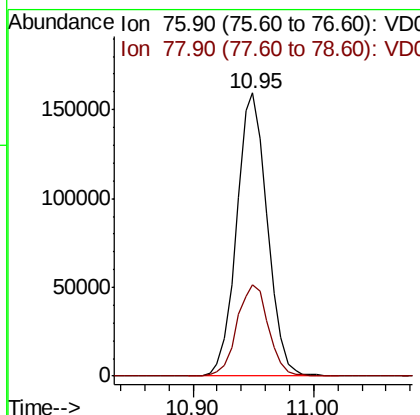
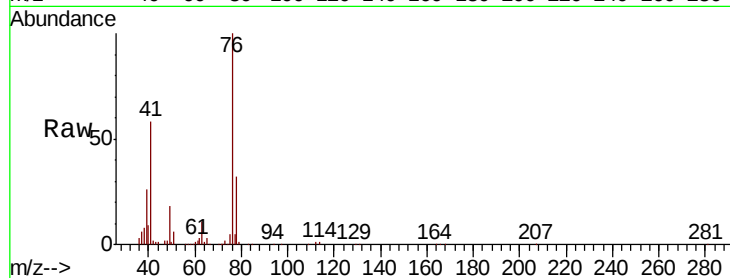
#57
 1,3-Dichloropropane
 Concen: 54.280 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.1	26.2	39.4

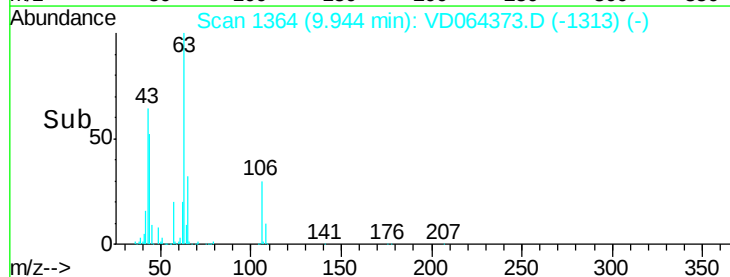
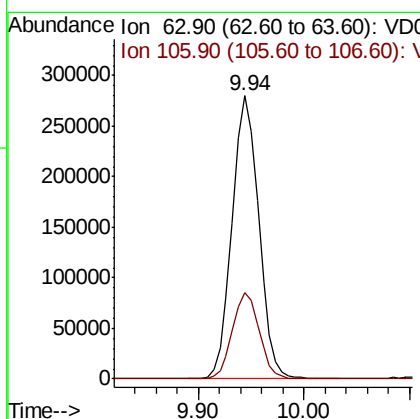
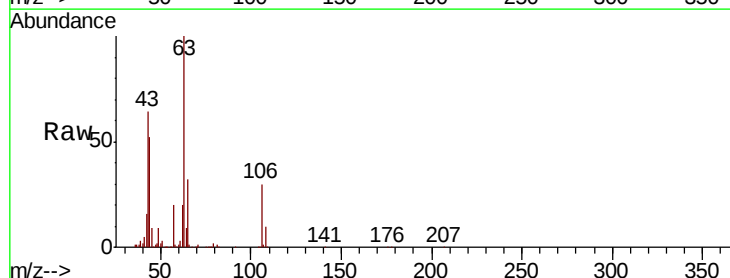
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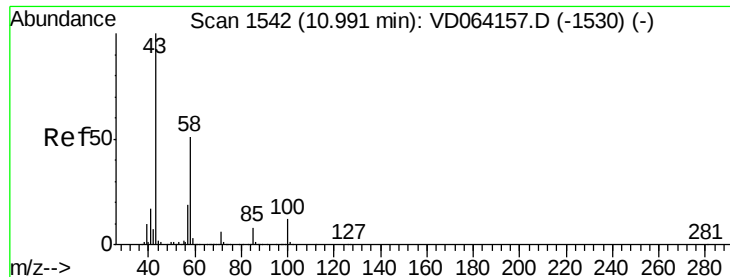
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 11/26/2019 9:55:53 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 290.877 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	24.1	36.1





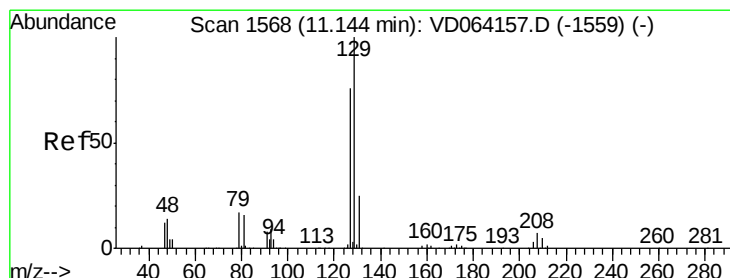
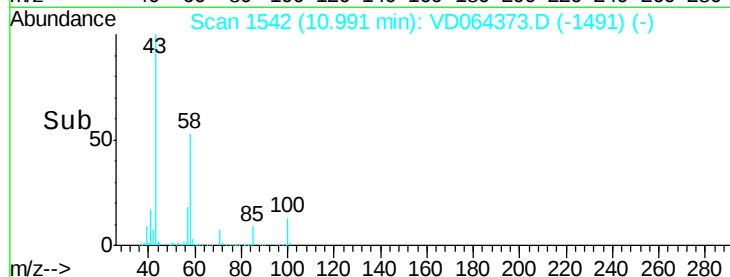
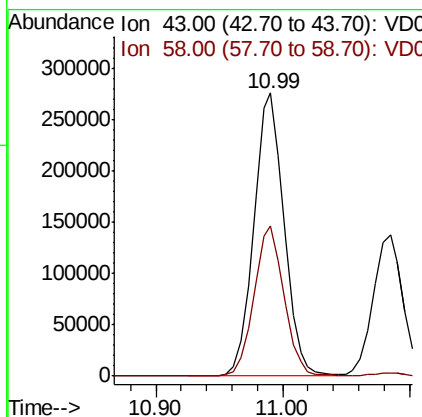
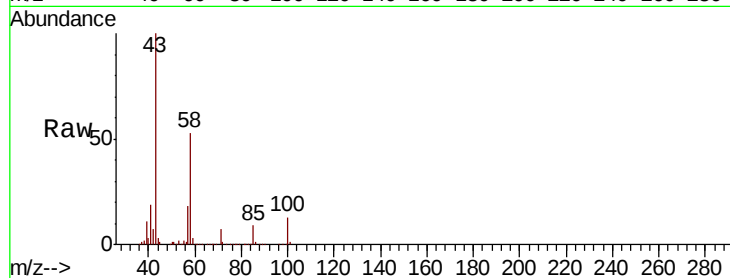
#59
2-Hexanone
Concen: 251.091 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.7	25.9	77.7

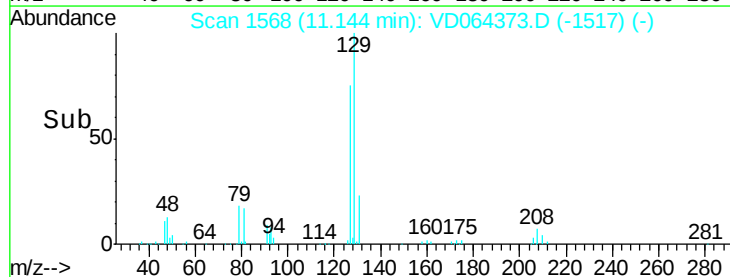
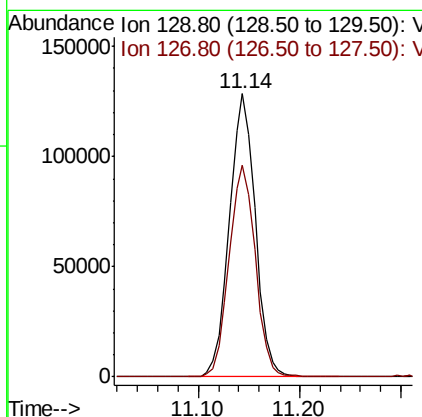
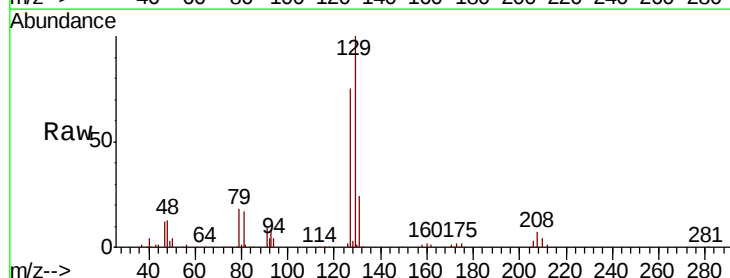
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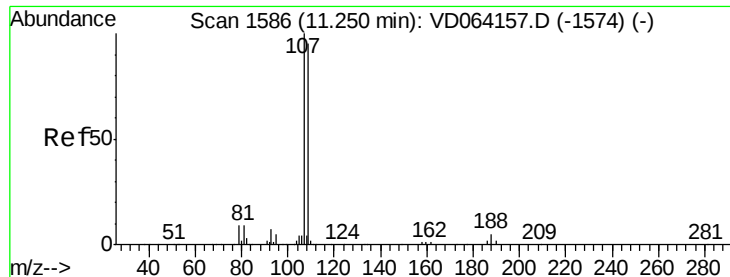
MMDadoda
11/26/2019 9:55:53 AM



#60
Dibromochloromethane
Concen: 54.987 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.7	38.6	115.8





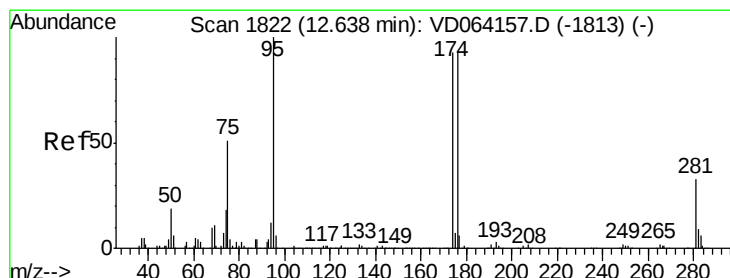
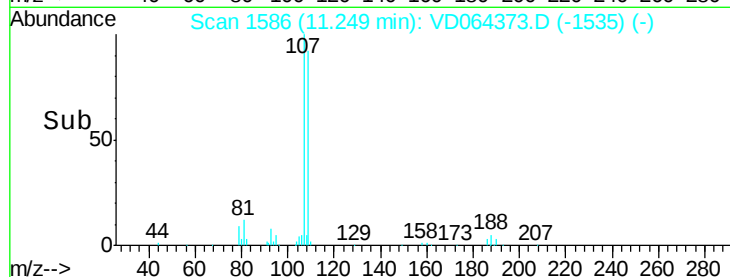
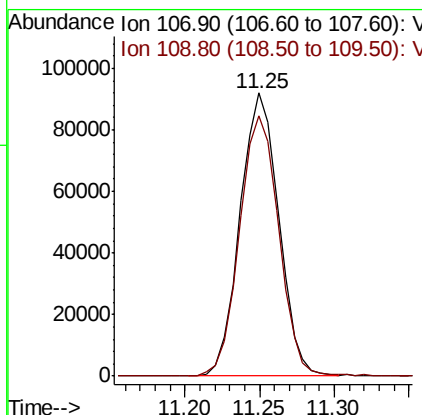
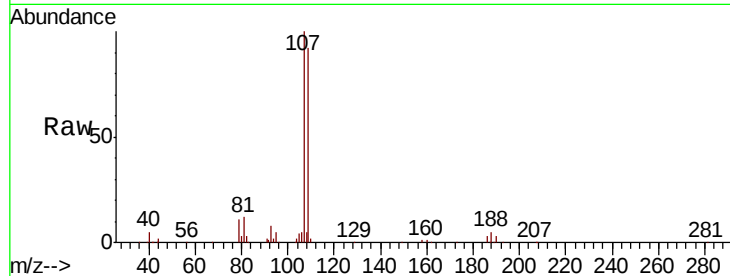
#61
 1,2-Dibromoethane
 Concen: 55.428 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	165176		
109	93.6	75.1	112.7	

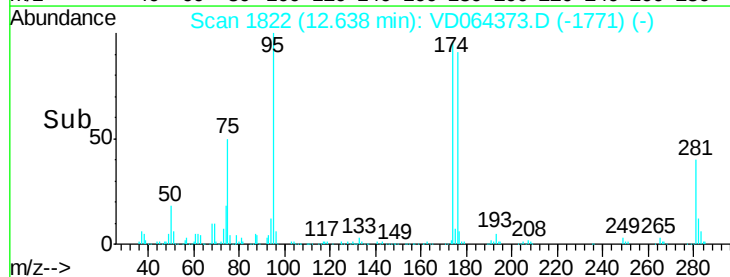
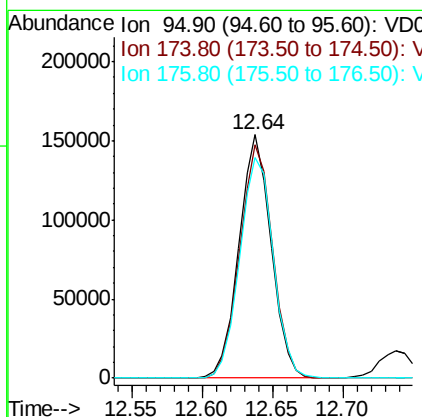
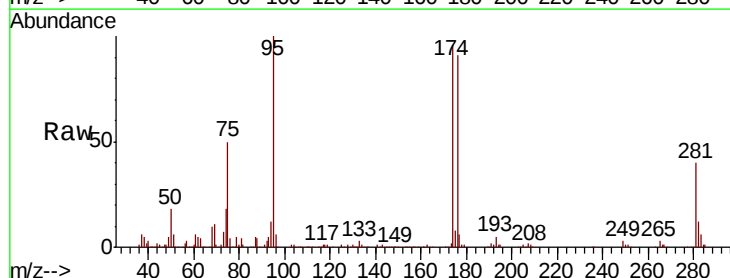
Manual Integrations
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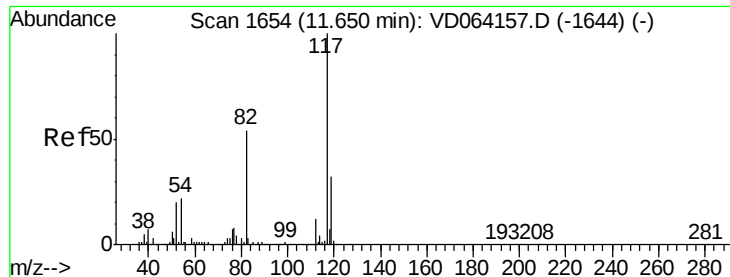
MMDadoda
 11/26/2019 9:55:53 AM



#62
 4-Bromofluorobenzene
 Concen: 48.914 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	244772		
174	98.3	0.0	183.6	
176	94.9	0.0	180.2	





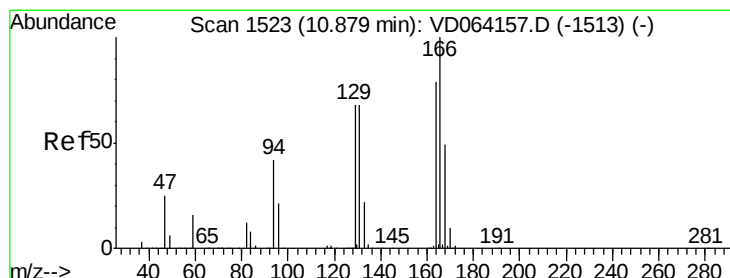
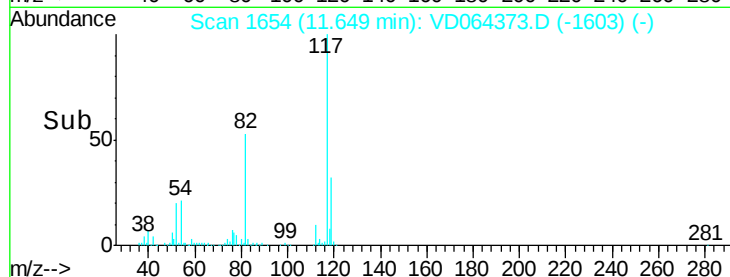
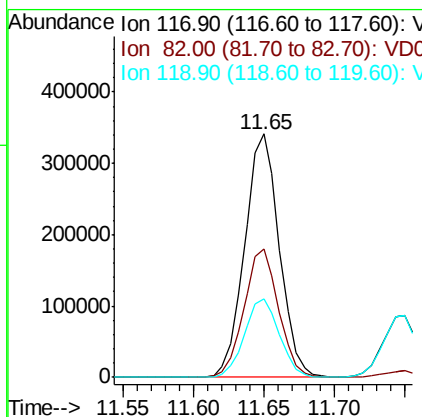
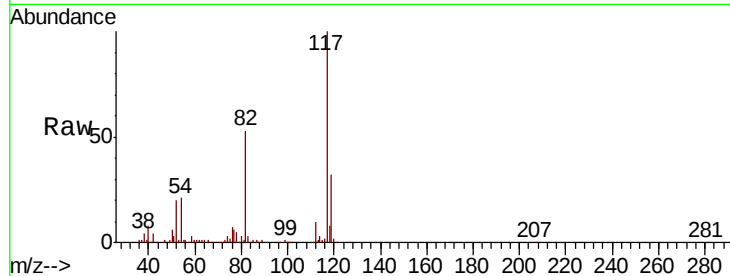
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.8	64.2
119	32.2	25.6	38.4

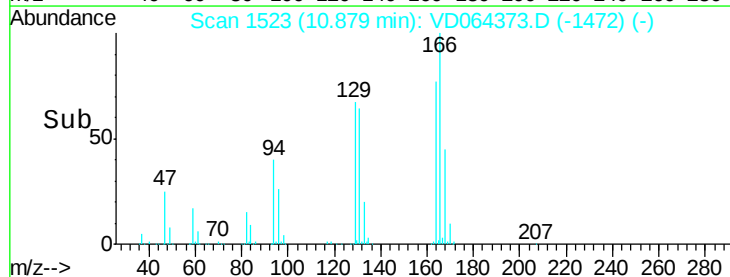
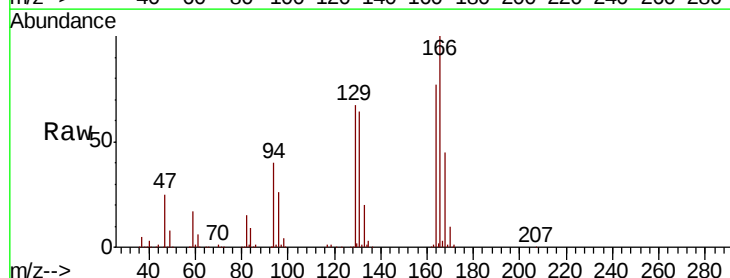
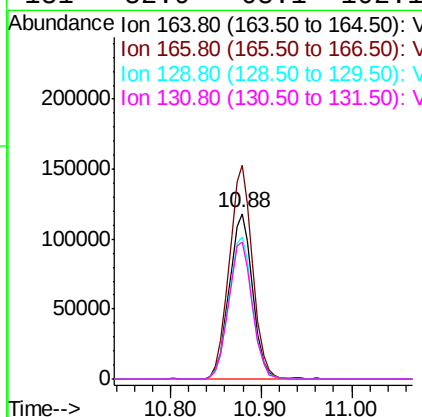
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#64
Tetrachloroethene
Concen: 46.960 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	100.8	151.2
129	86.0	68.7	103.1
131	82.9	68.1	102.1





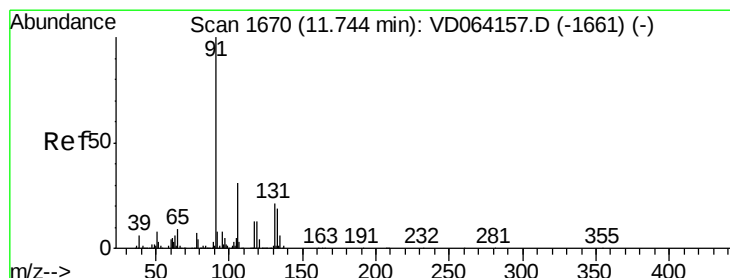
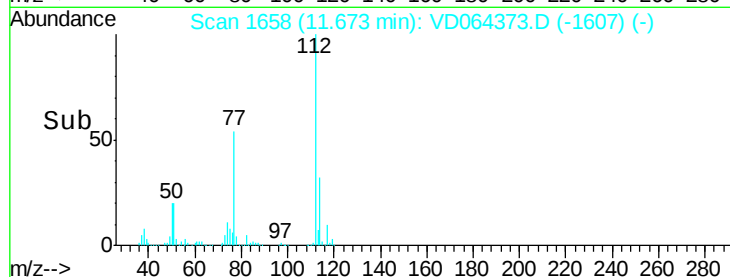
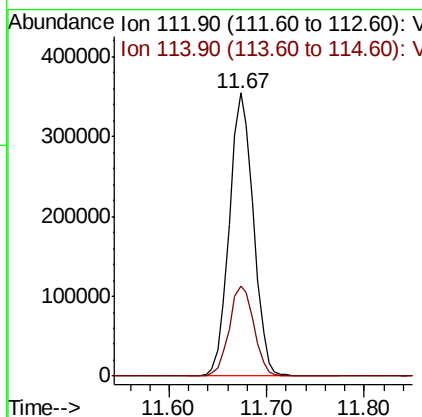
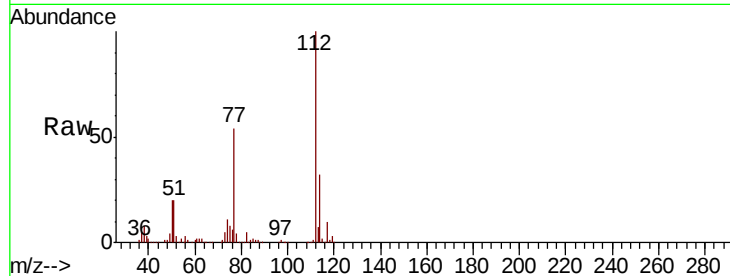
#65
Chlorobenzene
Concen: 50.742 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.2	37.8

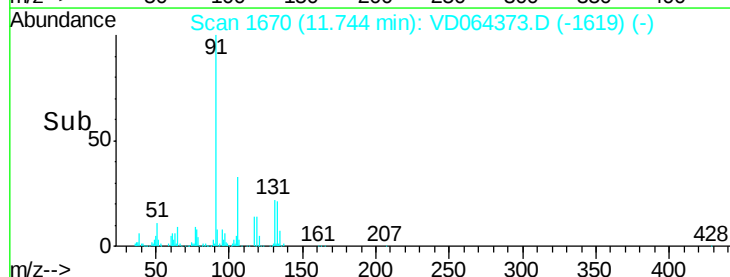
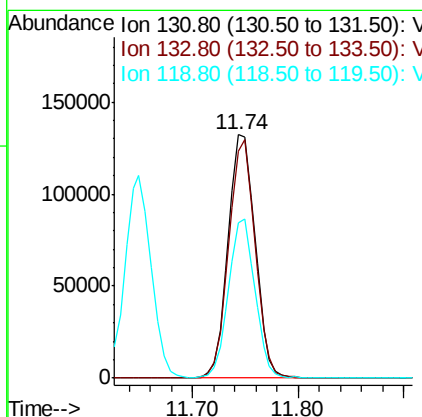
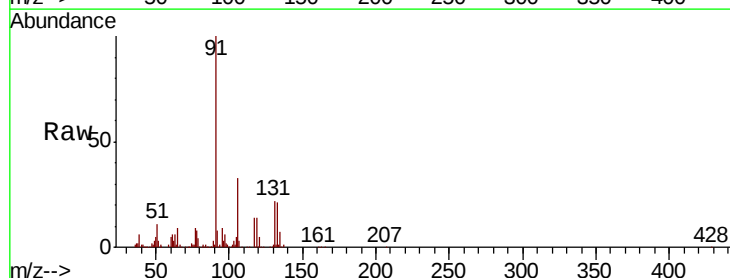
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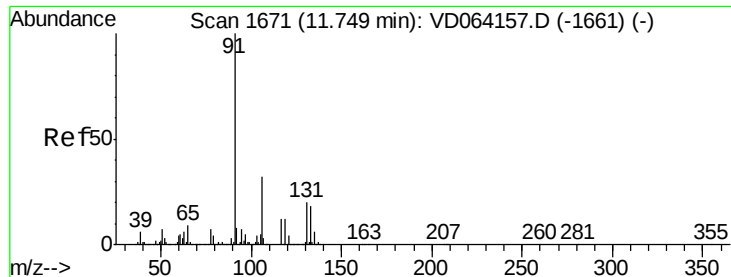
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.703 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.3	47.3	141.9
119	64.0	31.1	93.3





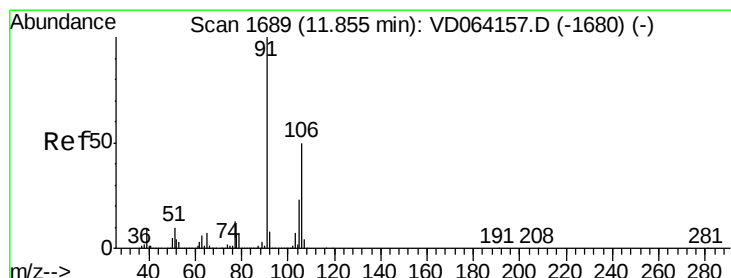
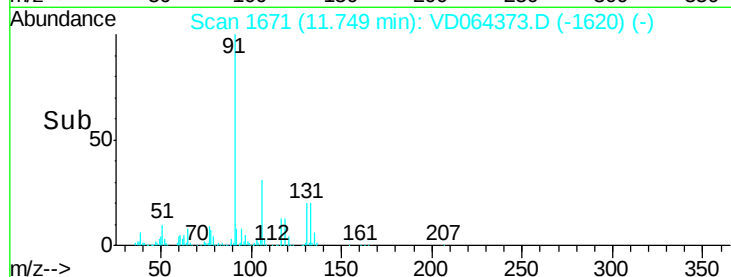
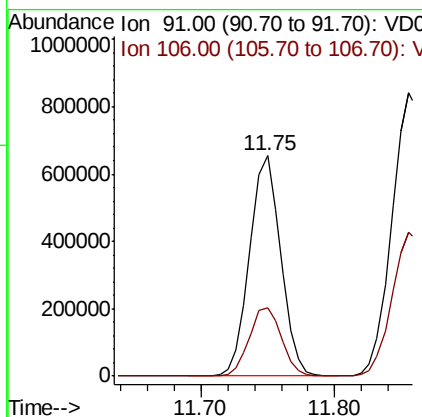
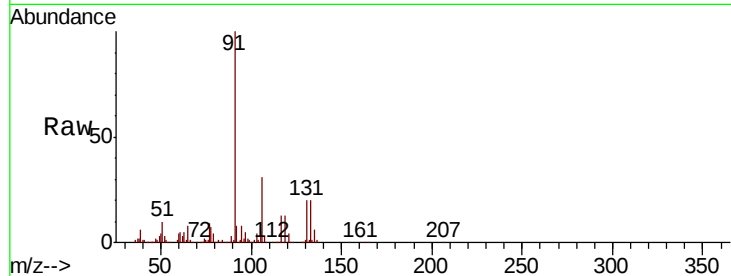
#67
Ethyl Benzene
Concen: 48.798 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1055023
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3

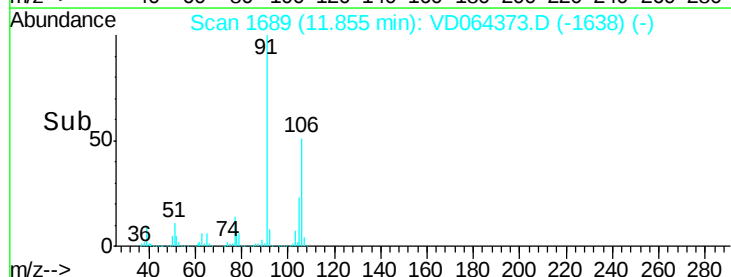
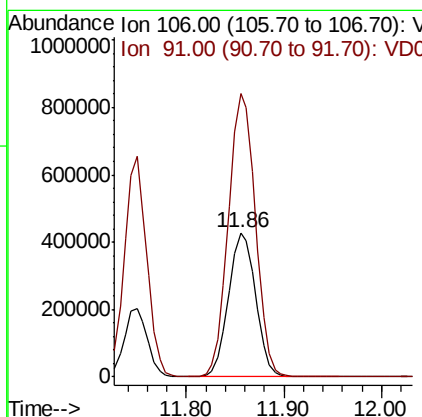
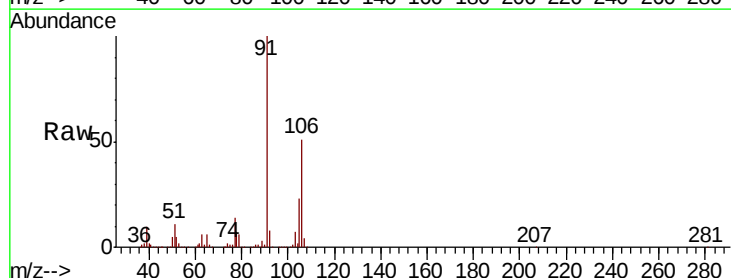
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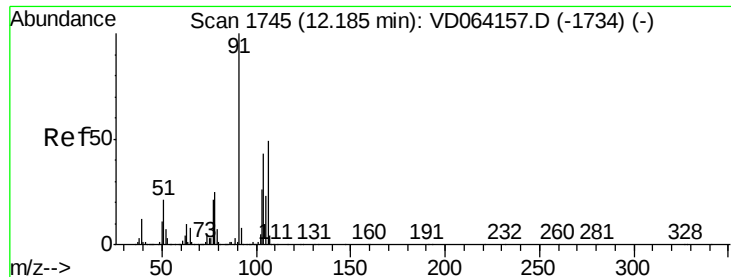
MMDadoda
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#68
m/p-Xylenes
Concen: 99.559 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 106 Resp: 825056
Ion Ratio Lower Upper
106 100
91 195.6 160.3 240.5





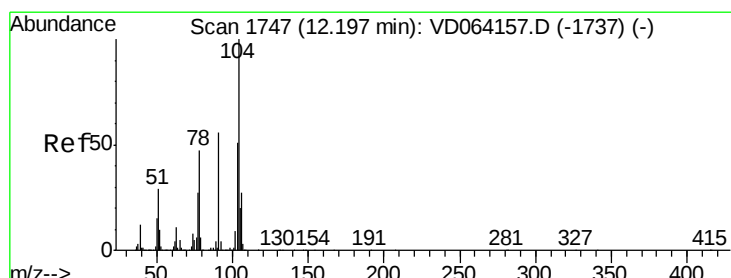
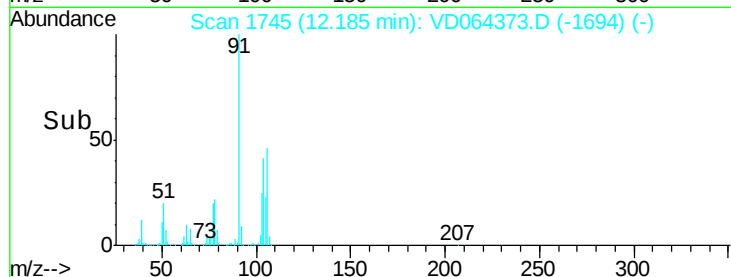
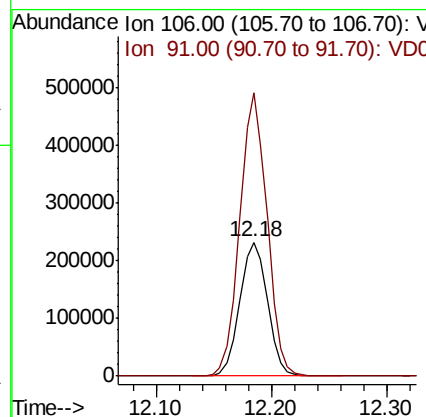
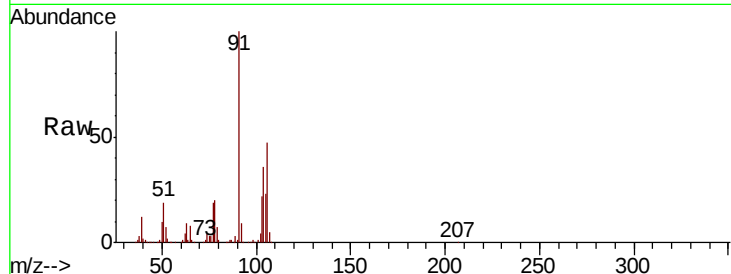
#69
o-Xylene
Concen: 50.131 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.6	105.1	315.3

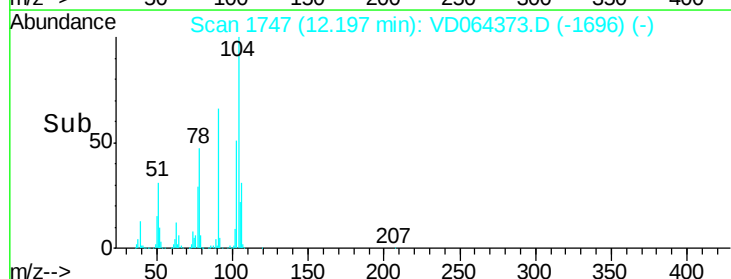
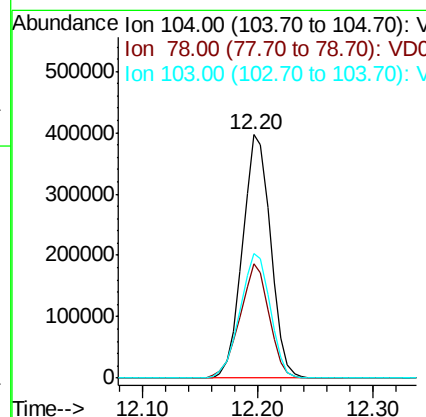
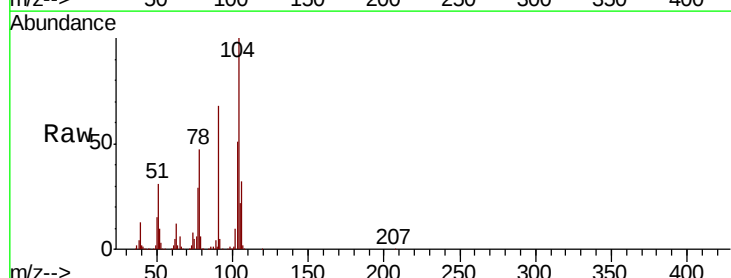
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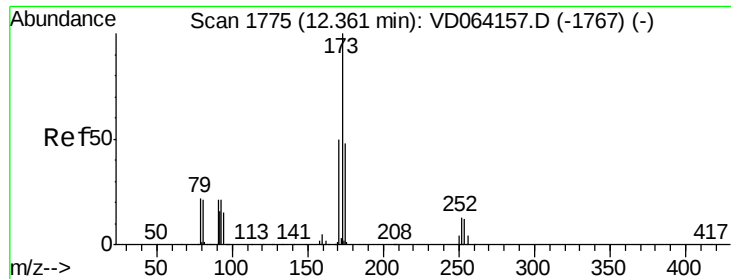
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#70
Styrene
Concen: 49.954 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.8	39.9	59.9
103	55.1	43.4	65.0





#71

Bromoform

Concen: 53.615 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

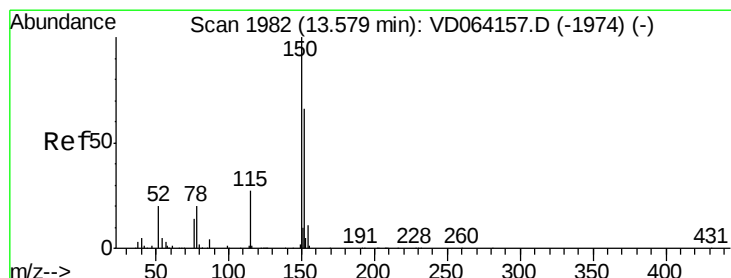
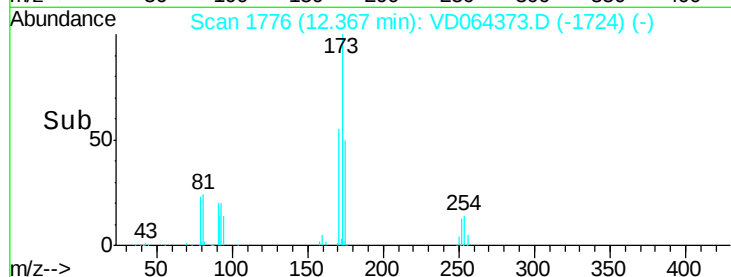
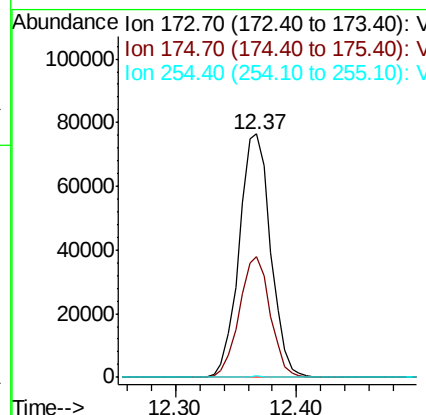
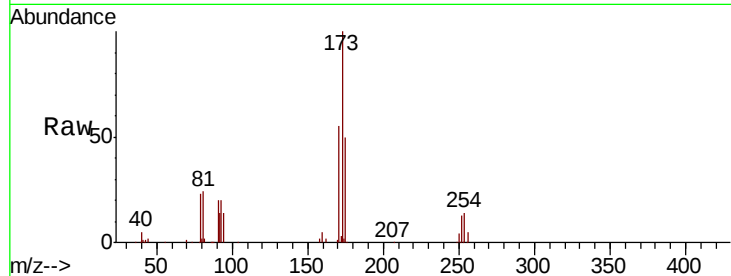
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.3
254	0.2	0.2	0.2

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

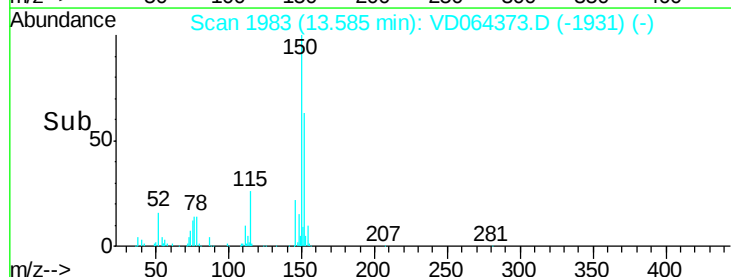
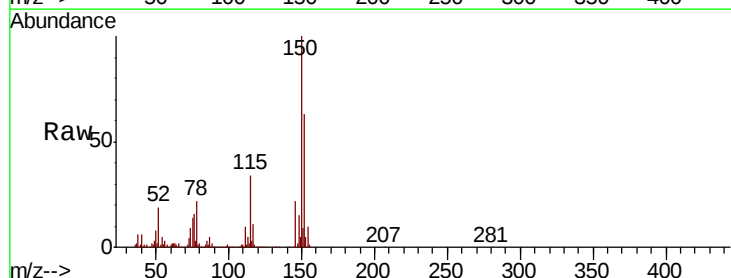
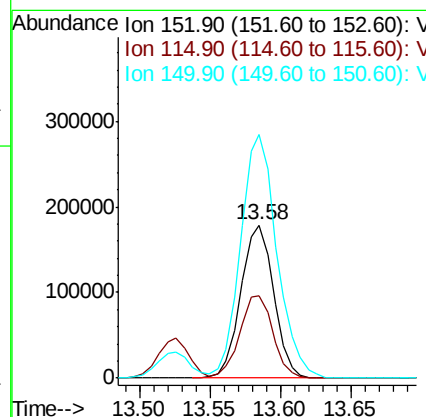
RT: 13.58 min Scan# 1983

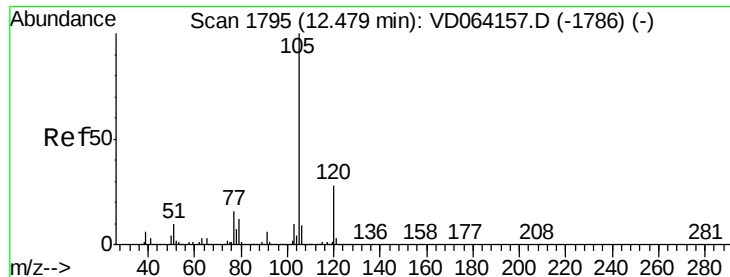
Delta R.T. 0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.4	27.4	82.2
150	175.8	0.0	351.6





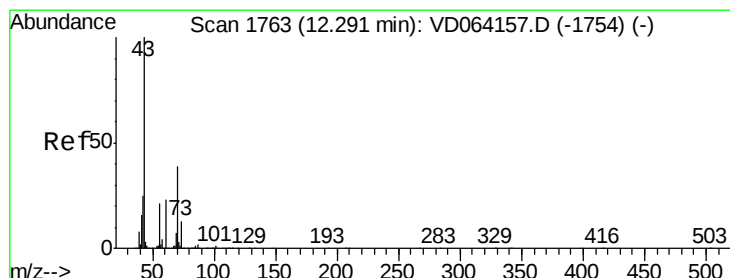
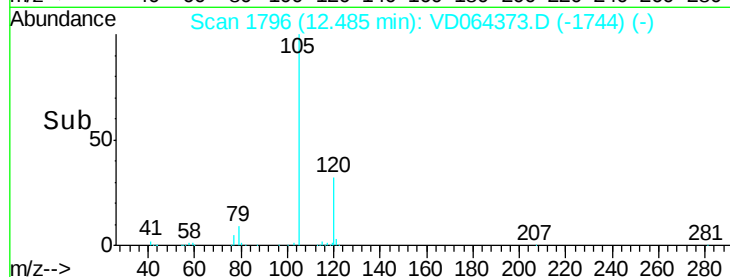
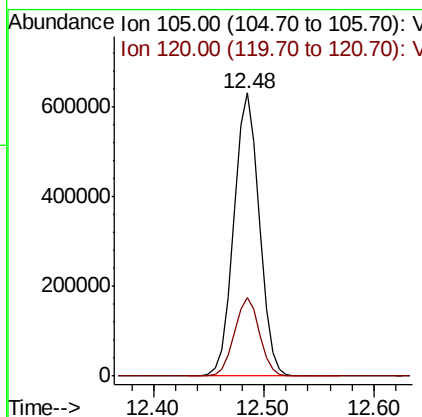
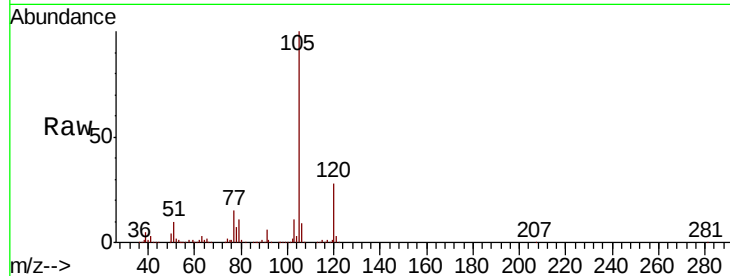
#73
Isopropylbenzene
Concen: 47.772 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1020177
Ion Ratio Lower Upper
105 100
120 27.3 13.6 40.8

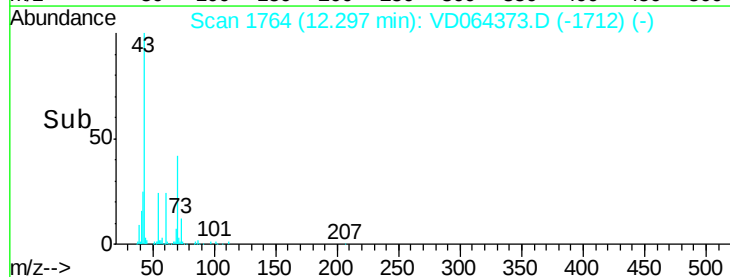
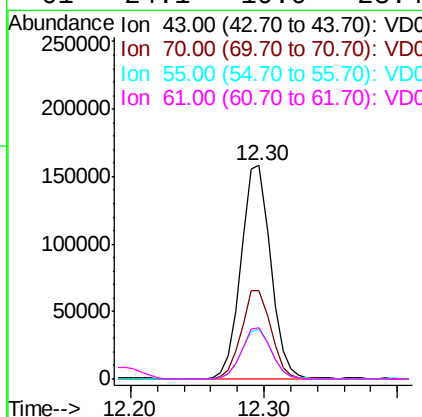
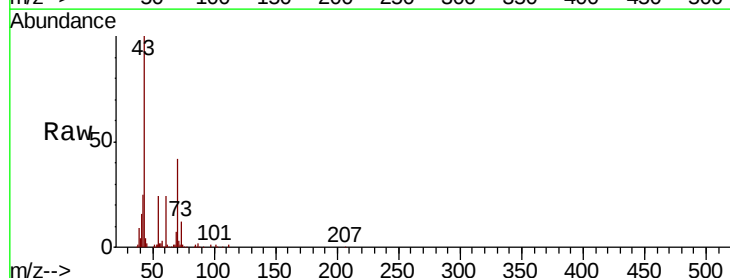
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#74
N-ethyl acetate
Concen: 48.146 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 43 Resp: 242800
Ion Ratio Lower Upper
43 100
70 41.9 32.4 48.6
55 23.8 17.9 26.9
61 24.1 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.568 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

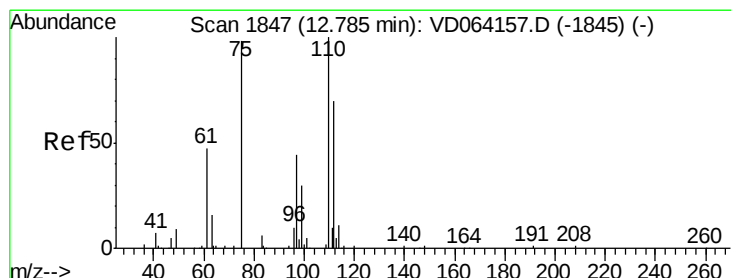
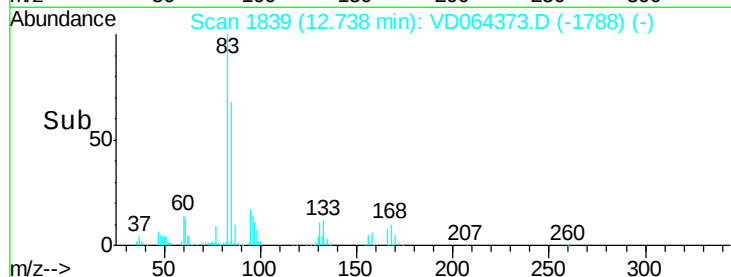
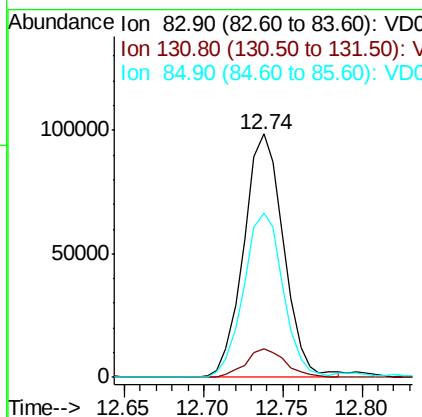
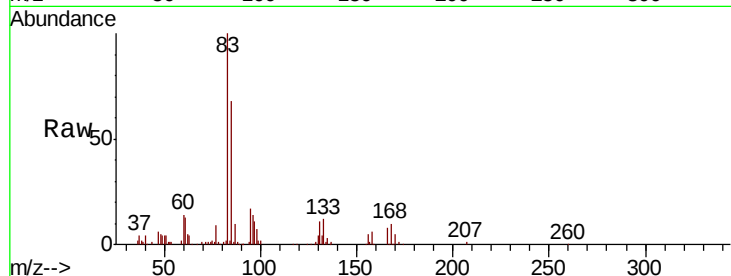
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	172373
Ion	Ratio	Lower	Upper
83	100		
131	11.7	5.9	17.7
85	66.8	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 48.711 ug/l m

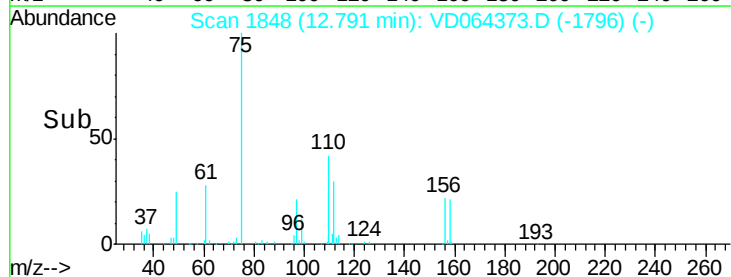
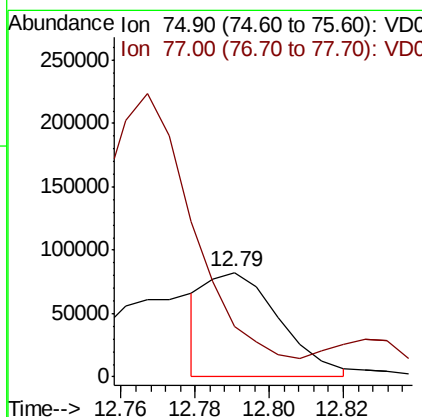
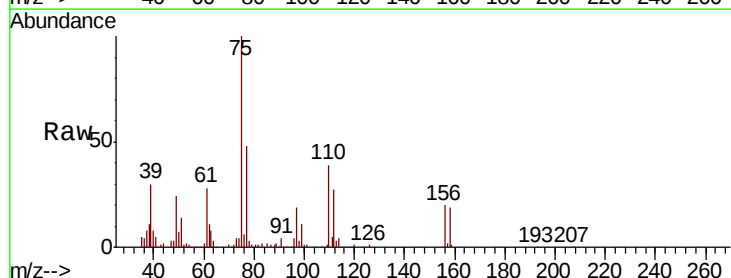
RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Tgt Ion:	75	Resp:	114153
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.341 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 266360

Ion Ratio Lower Upper

156 100

77 155.7 81.2 243.4

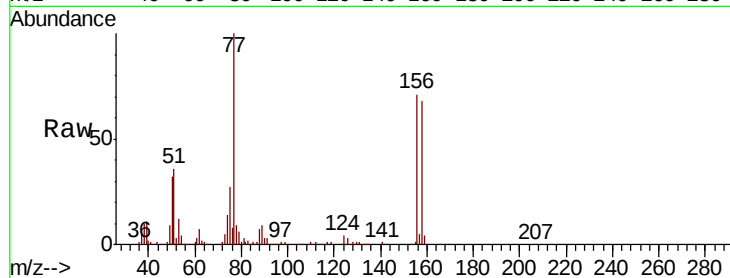
158 97.2 48.4 145.2

Manual Integrations

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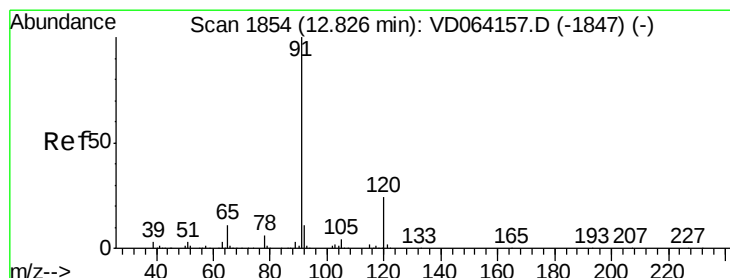
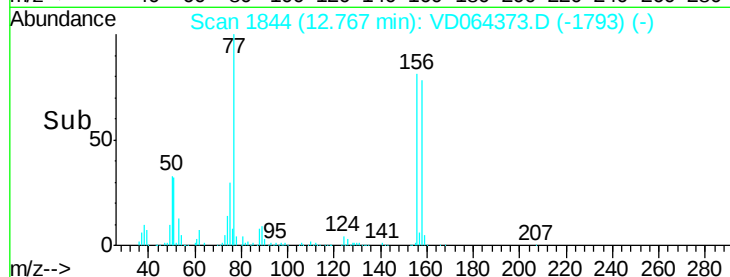
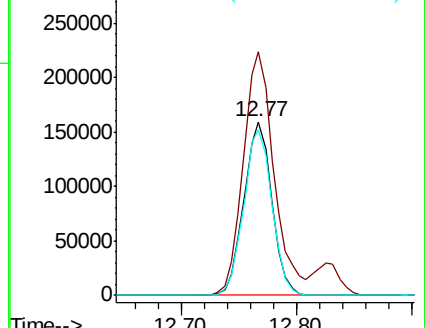
11/26/2019 9:55:53 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.882 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064373.D

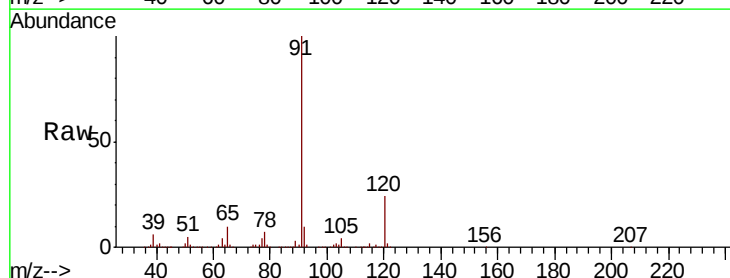
Acq: 25 Nov 2019 21:17

Tgt Ion: 91 Resp: 1168256

Ion Ratio Lower Upper

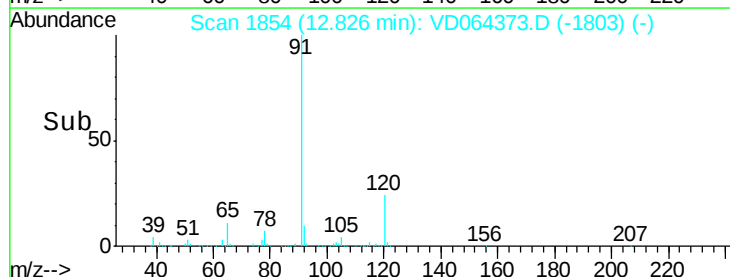
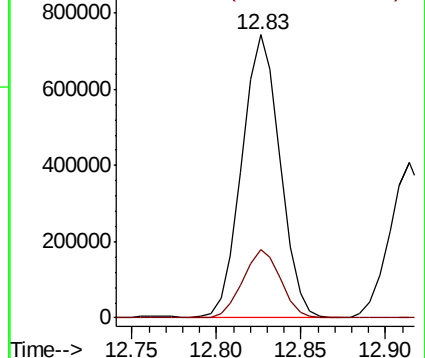
91 100

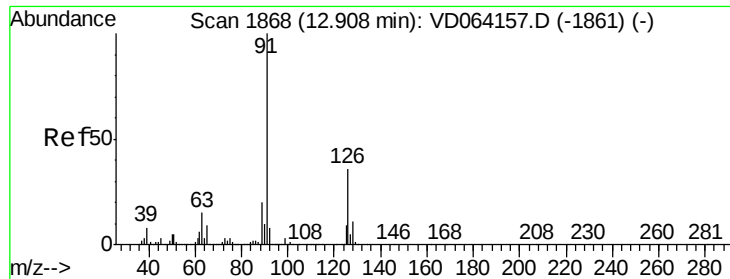
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





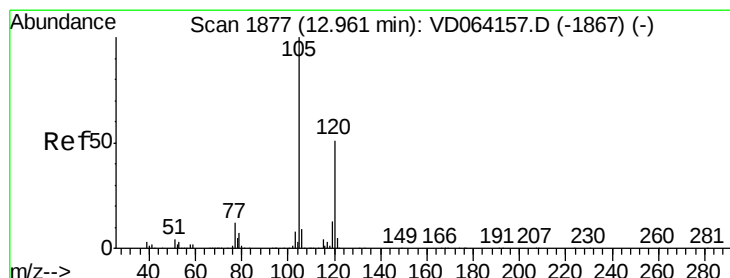
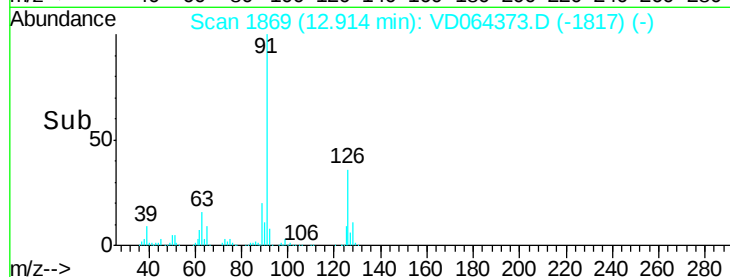
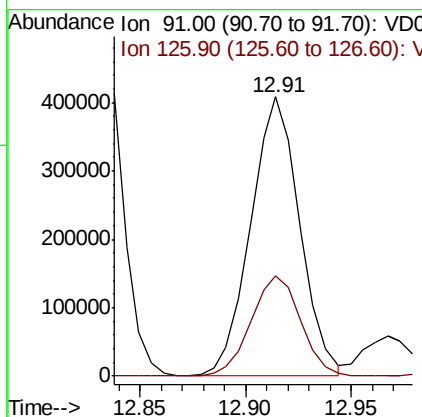
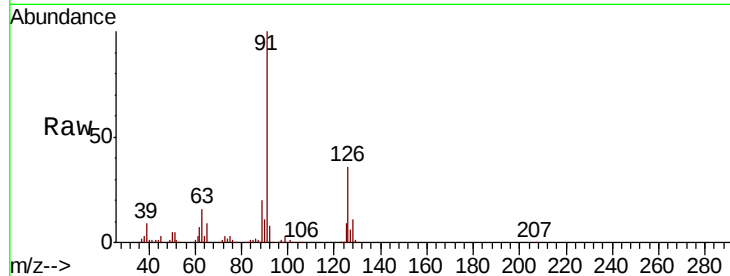
#79
2-Chlorotoluene
Concen: 47.610 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 655831
Ion Ratio Lower Upper
91 100
126 36.4 17.7 53.1

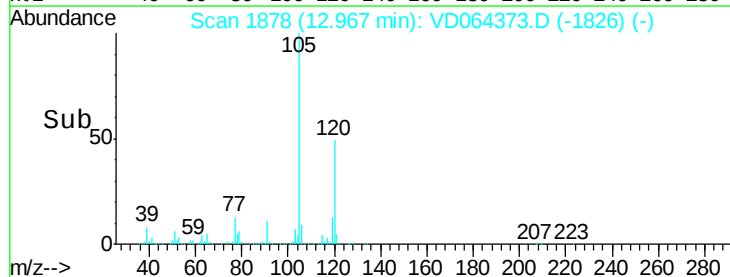
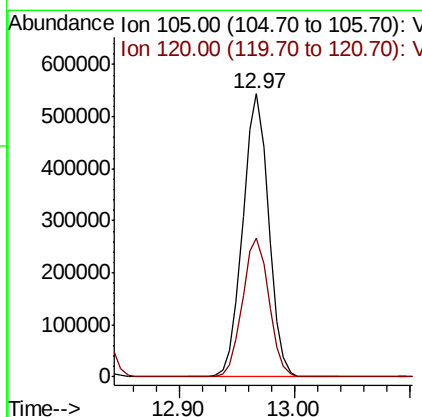
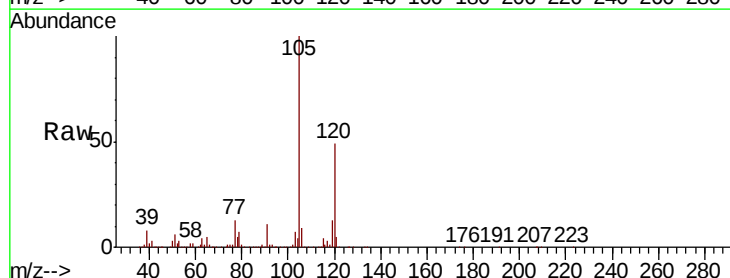
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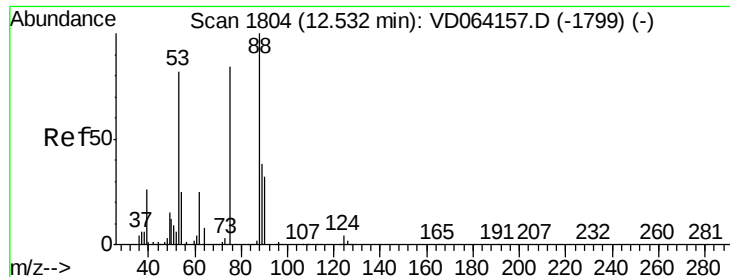
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#80
1,3,5-Trimethylbenzene
Concen: 48.184 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion: 105 Resp: 845520
Ion Ratio Lower Upper
105 100
120 50.2 25.4 76.4





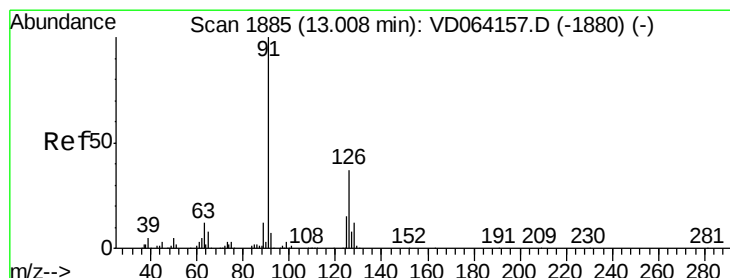
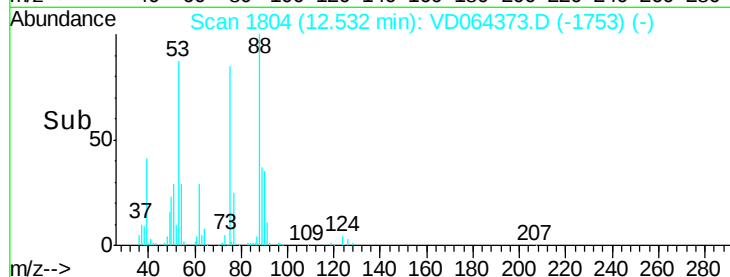
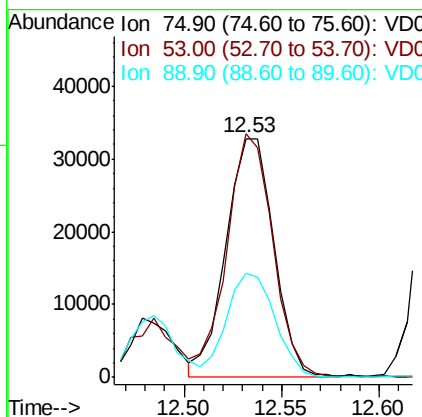
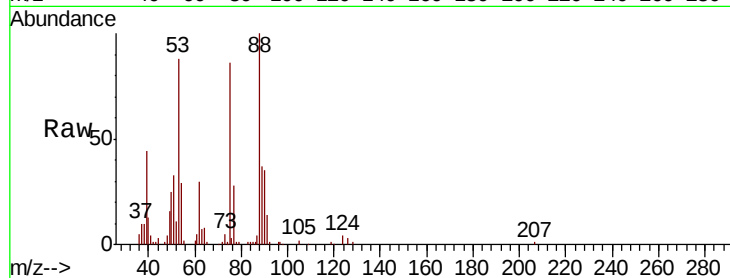
#81
trans-1,4-Dichloro-2-butene
Concen: 47.406 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.5	79.4	119.0
89	43.9	36.6	55.0

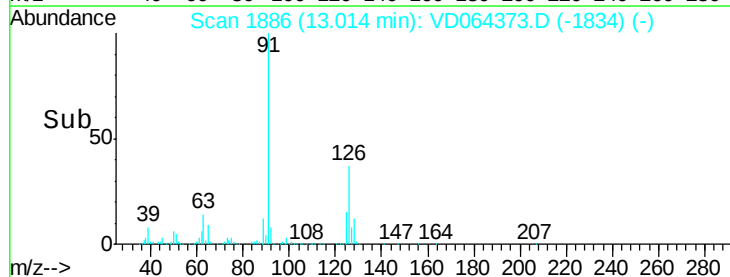
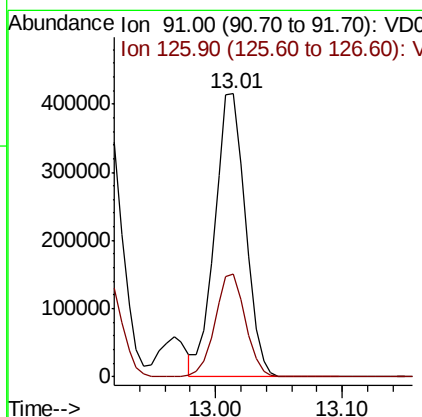
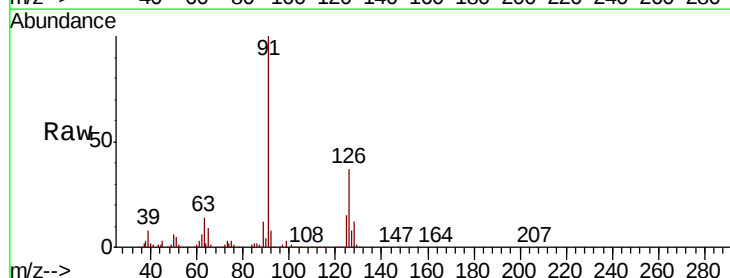
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11/26/2019 9:55:53 AM



#82
4-Chlorotoluene
Concen: 48.762 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.4





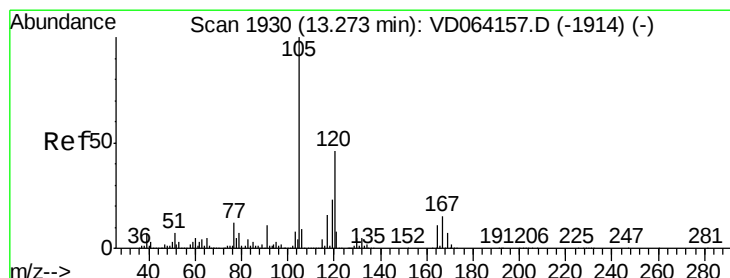
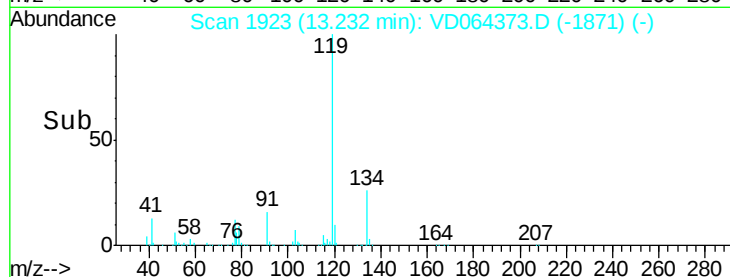
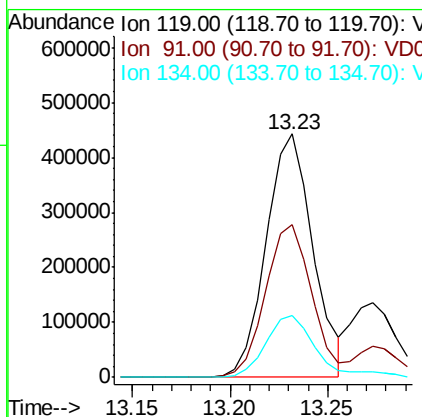
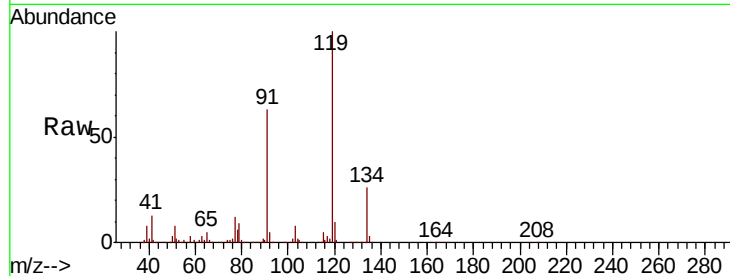
#83
tert-Butylbenzene
Concen: 47.621 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.7	31.8	95.4
134	27.6	13.7	41.0

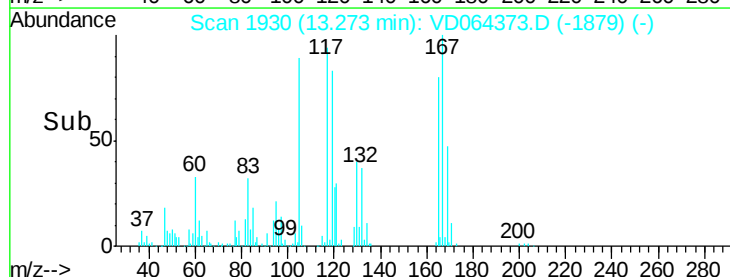
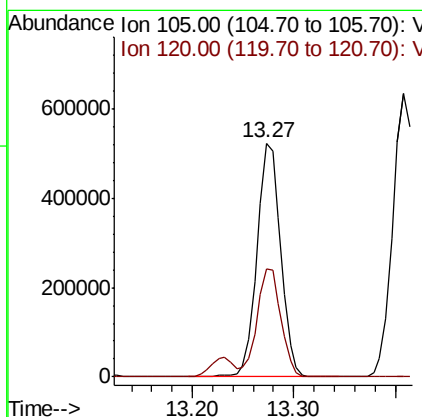
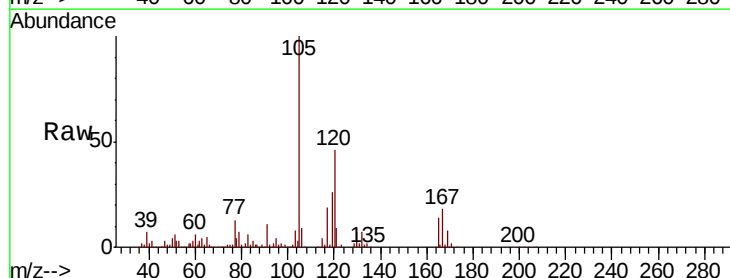
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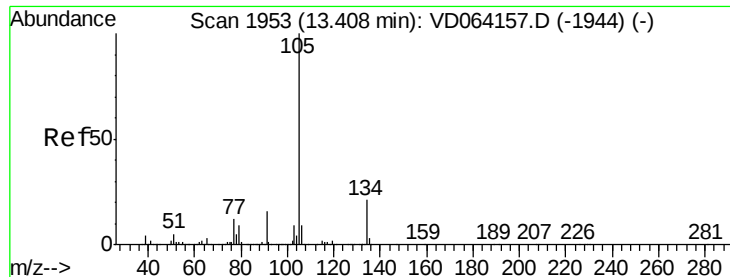
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#84
1,2,4-Trimethylbenzene
Concen: 48.908 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.3	69.8





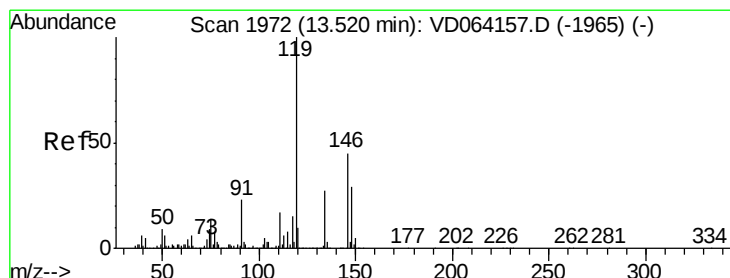
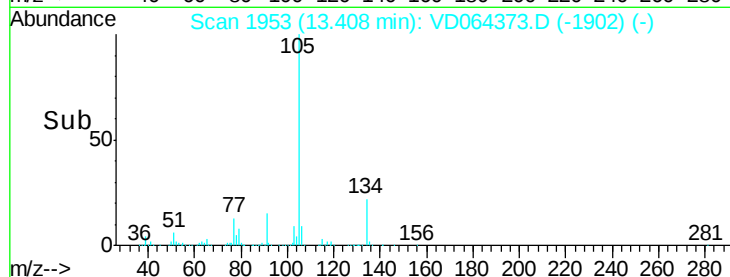
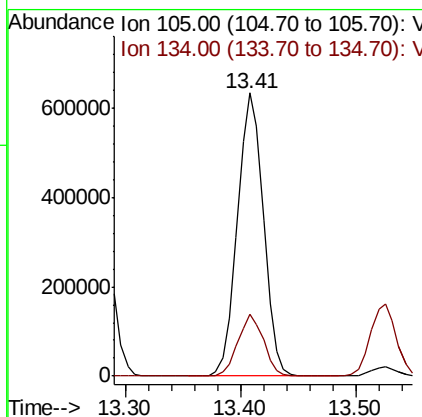
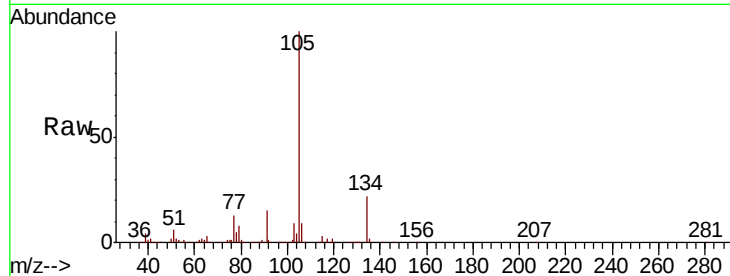
#85
 sec-Butylbenzene
 Concen: 47.572 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.6	10.7	31.9

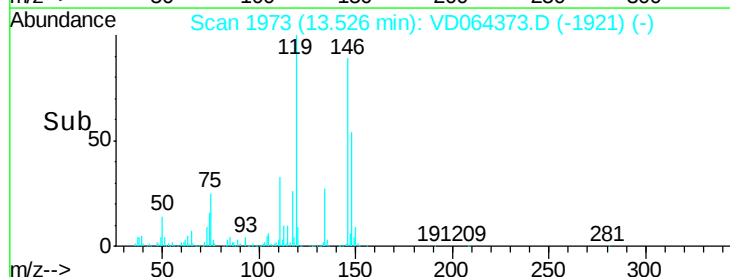
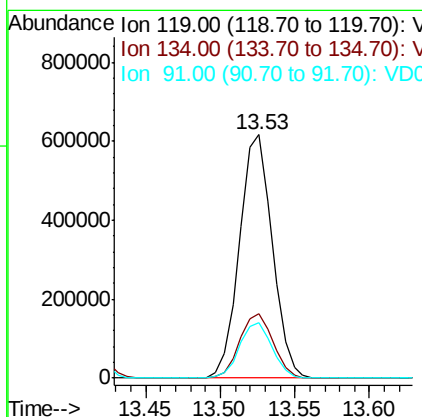
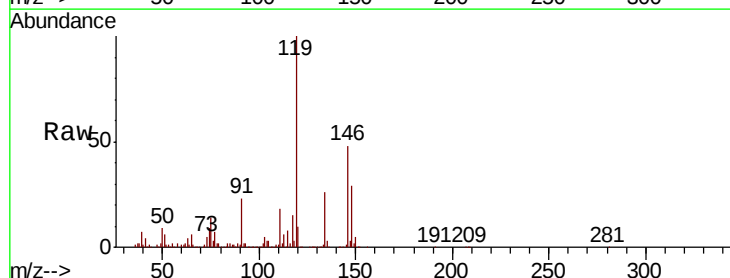
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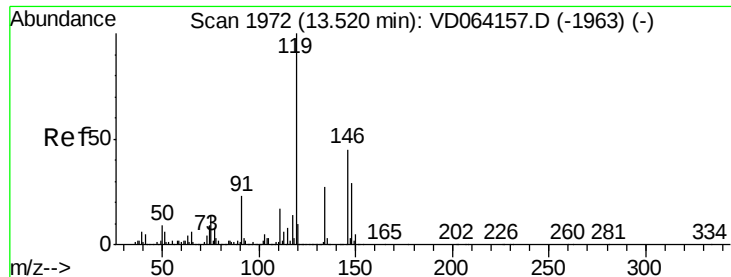
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 11/26/2019 9:55:53 AM



#86
 p-Isopropyltoluene
 Concen: 47.492 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.5
91	22.8	11.5	34.4





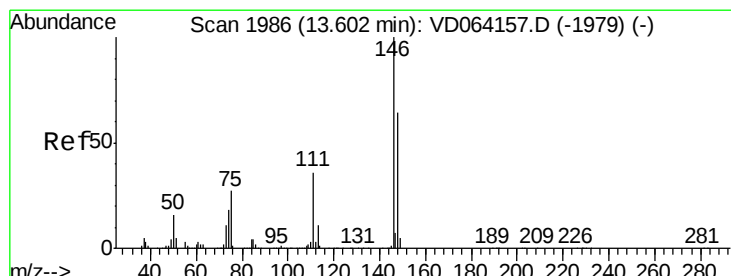
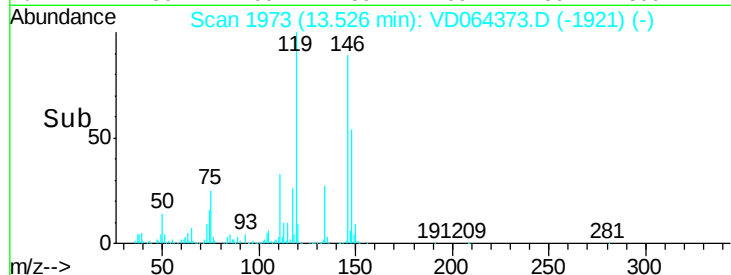
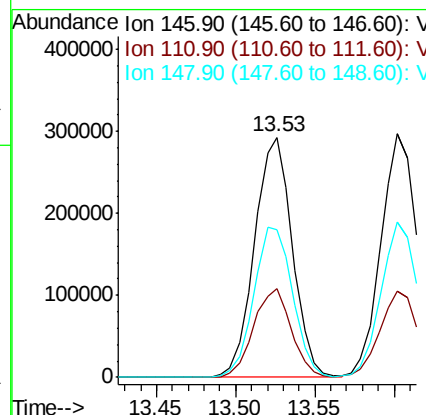
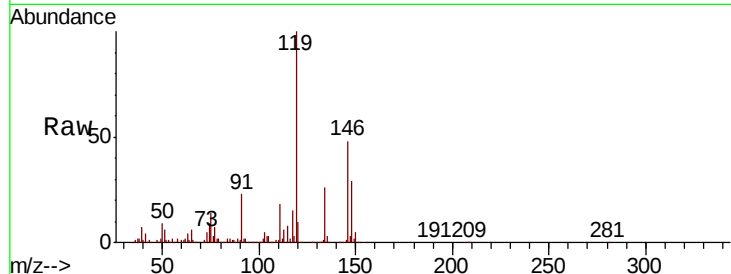
#87
 1,3-Dichlorobenzene
 Concen: 50.420 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.9
148	64.3	32.1	96.5

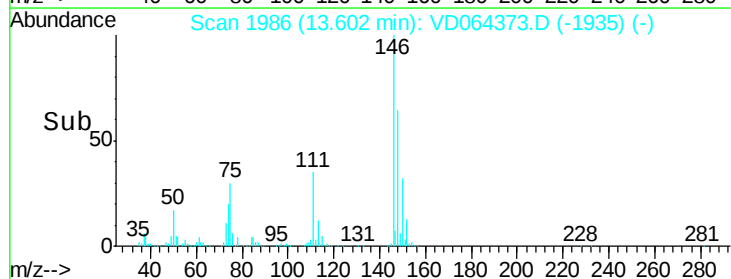
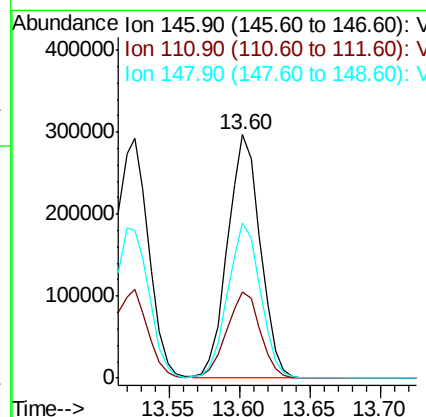
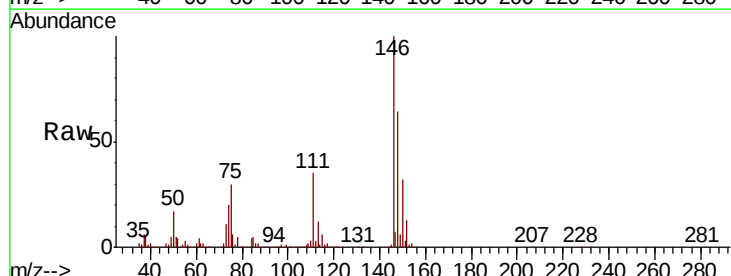
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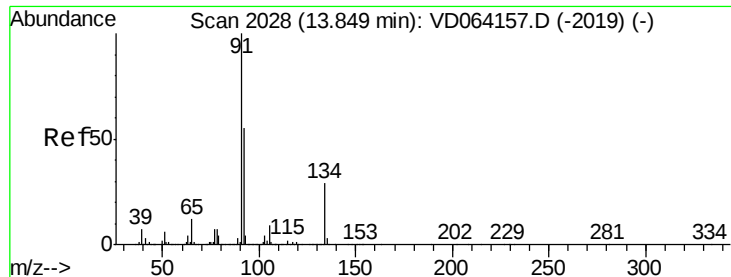
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#88
 1,4-Dichlorobenzene
 Concen: 50.701 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.1	54.4
148	64.2	31.9	95.7





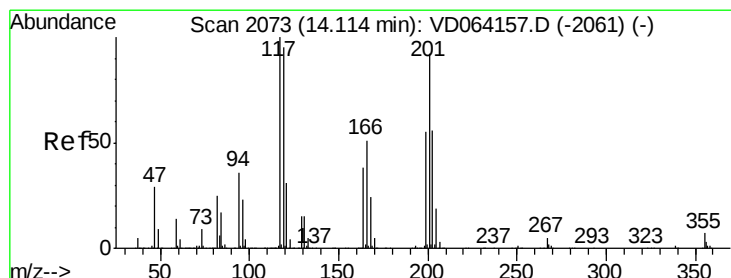
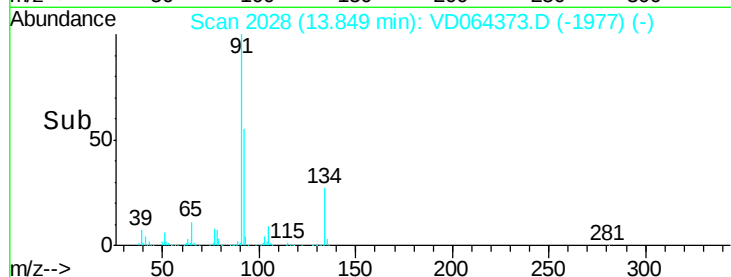
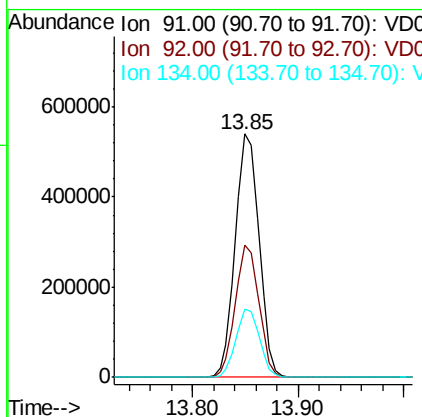
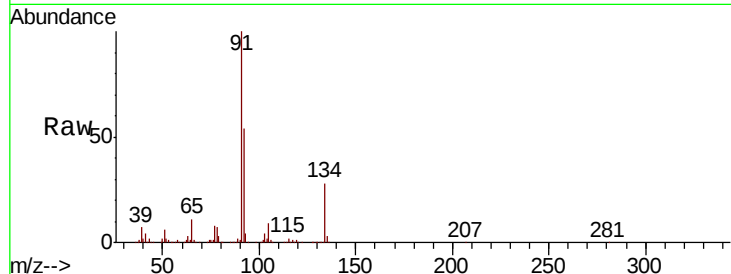
#89
n-Butylbenzene
Concen: 47.072 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.3	81.8
134	27.7	14.1	42.4

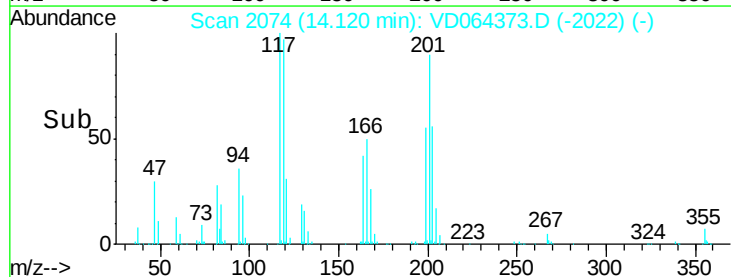
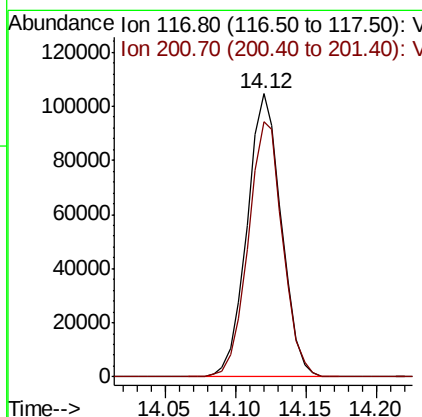
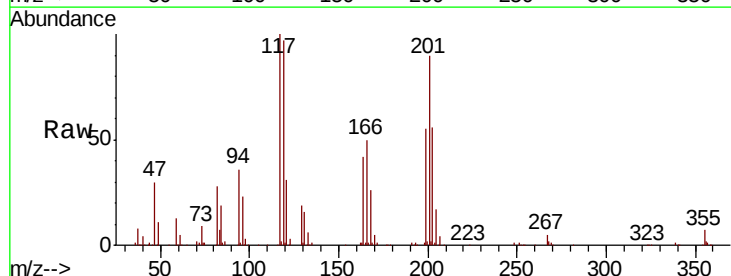
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11/26/2019 9:55:53 AM



#90
Hexachloroethane
Concen: 48.738 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064373.D
Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.7	45.8	137.4





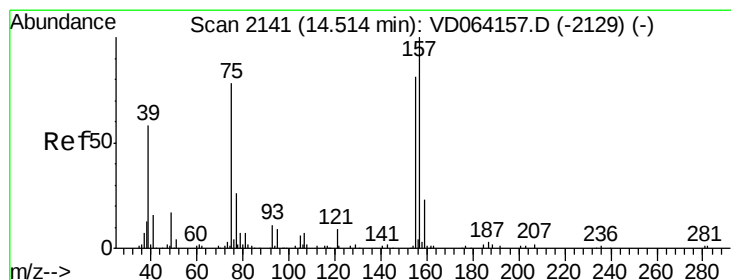
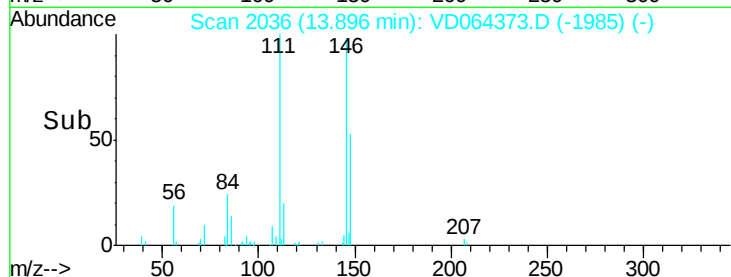
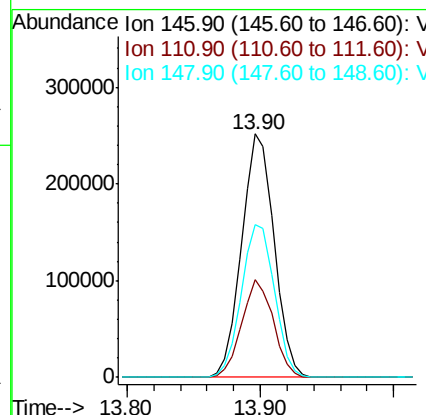
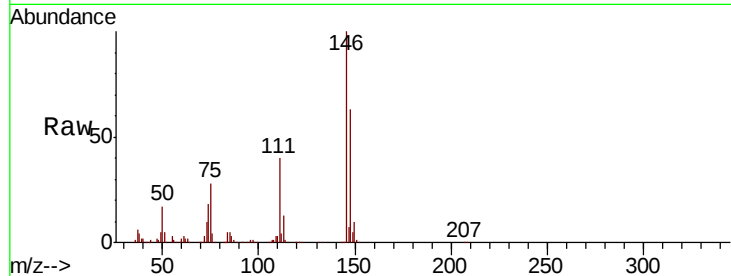
#91
 1,2-Dichlorobenzene
 Concen: 51.909 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	64.1	32.3	96.8

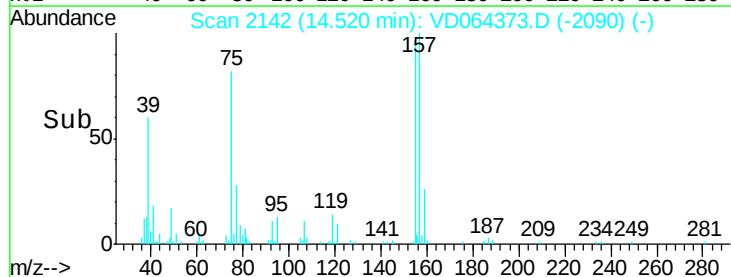
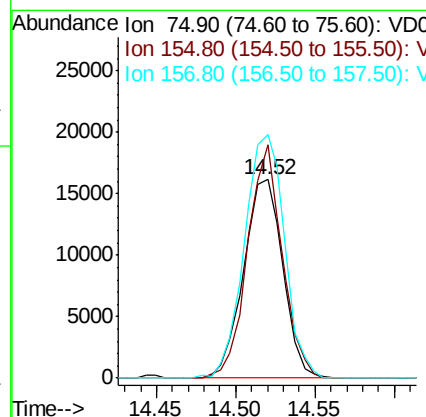
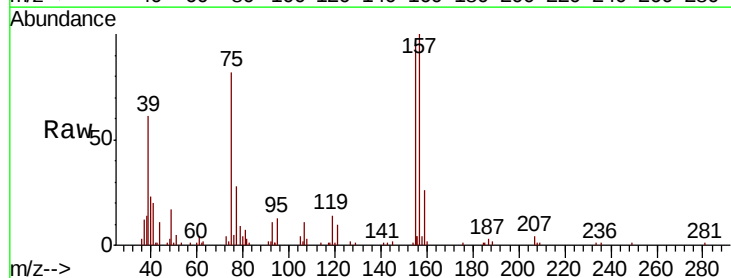
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.487 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.0	48.0	144.0
157	125.3	61.5	184.4





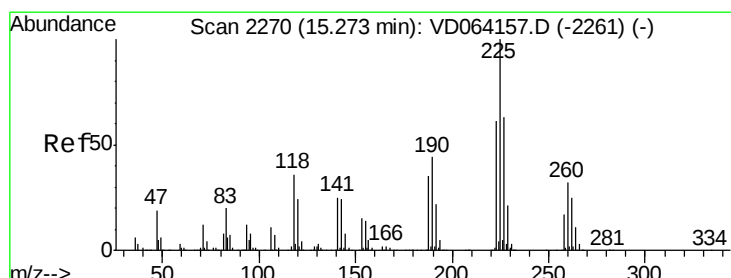
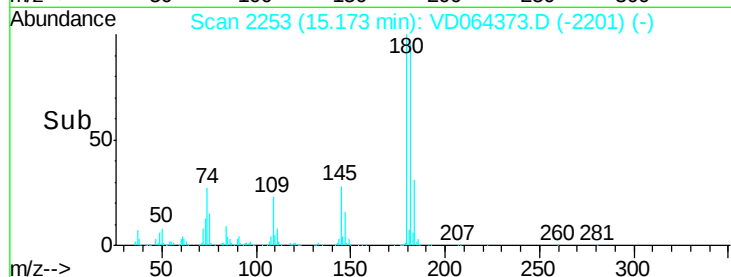
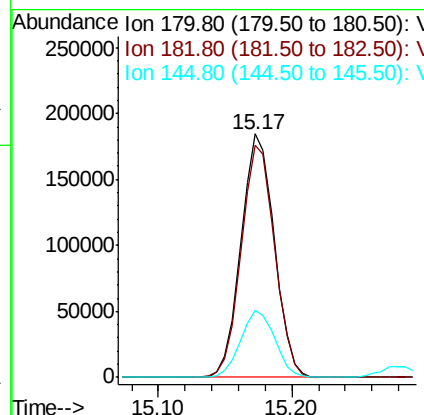
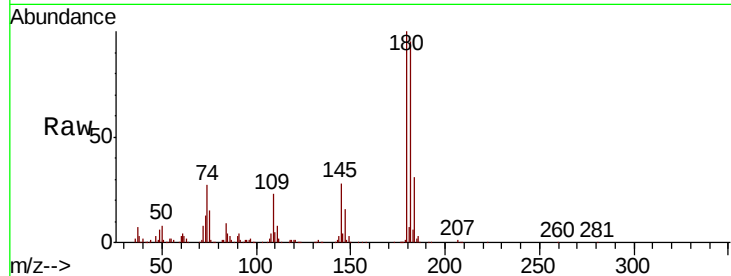
#93
 1,2,4-Trichlorobenzene
 Concen: 50.448 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	317221		
182	95.7	47.5	142.5	
145	28.2	14.2	42.6	

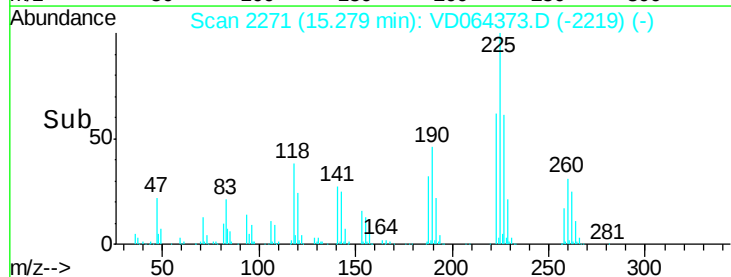
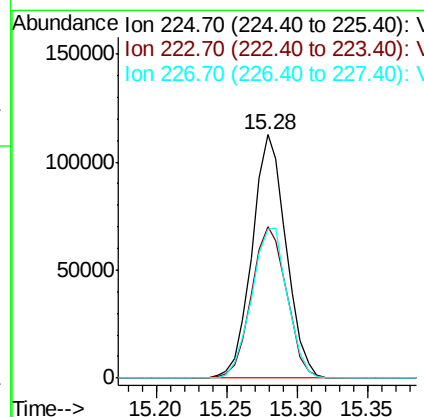
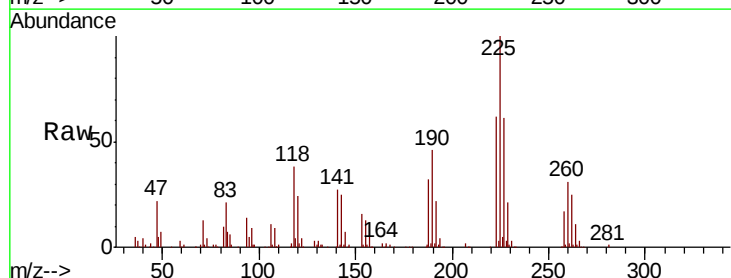
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 11/26/2019 9:55:53 AM



#94
 Hexachlorobutadiene
 Concen: 46.988 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064373.D
 Acq: 25 Nov 2019 21:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	190842		
223	64.4	31.1	93.3	
227	64.9	31.5	94.5	





#95

Naphthalene

Concen: 53.590 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Instrument :

MSVOA_D

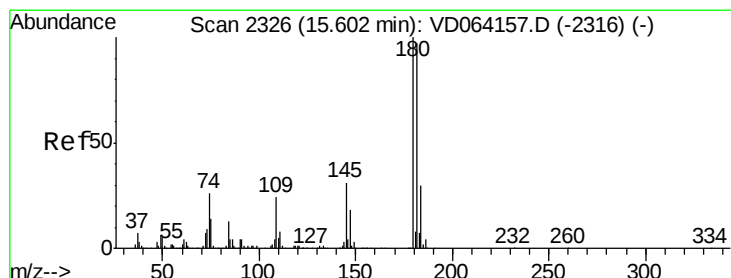
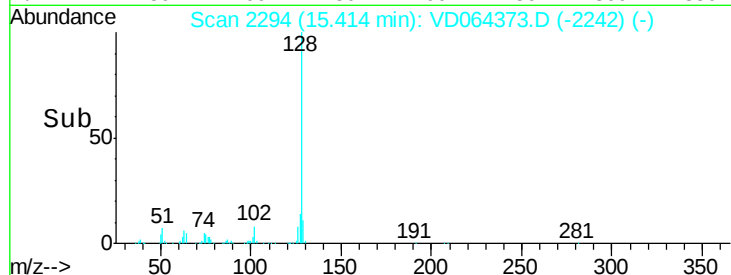
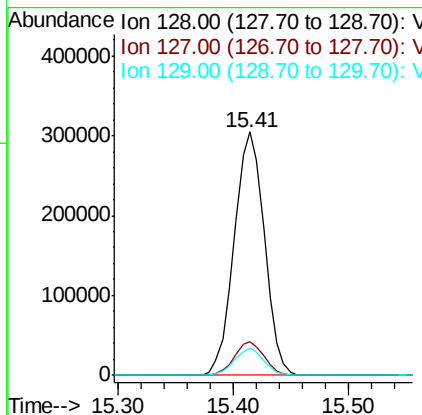
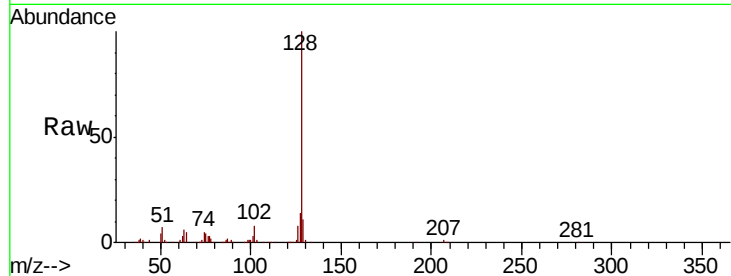
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	552395
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.5	15.7
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/26/2019 9:55:53 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.296 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064373.D

Acq: 25 Nov 2019 21:17

Tgt Ion:	180	Resp:	279526
Ion Ratio	Lower	Upper	
180	100		
182	96.0	48.3	144.9
145	28.9	15.3	45.8

