

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065290.D
 Acq On : 24 Feb 2020 13:05
 Operator : VA/SY
 Sample : L1635-03MSD
 Misc : 5.35G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 5:15:41 PM

Quant Time: Feb 25 02:24:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	402942	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	590801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	451343	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	139269	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	182157	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	
35) Dibromofluoromethane	7.92	113	190176	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
50) Toluene-d8	10.34	98	678432	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.64	95	154337	35.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	182647	54.044	ug/l	99
3) Chloromethane	2.21	50	216129	50.243	ug/l	98
4) Vinyl Chloride	2.35	62	219541	50.190	ug/l	100
5) Bromomethane	2.77	94	127805	48.324	ug/l	96
6) Chloroethane	2.92	64	134542	50.390	ug/l	100
7) Trichlorofluoromethane	3.27	101	308715	49.296	ug/l	98
8) Diethyl Ether	3.71	74	97273	51.457	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	186092	47.055	ug/l	99
10) Methyl Iodide	4.29	142	229619	55.920	ug/l	99
11) Tert butyl alcohol	5.25	59	49437	228.230	ug/l	97
12) 1,1-Dichloroethene	4.06	96	185759	49.723	ug/l	97
13) Acrolein	3.92	56	44365	156.234	ug/l	100
14) Allyl chloride	4.71	41	317210	52.287	ug/l	98
15) Acrylonitrile	5.43	53	204009	243.760	ug/l	99
16) Acetone	4.17	43	141370	159.541	ug/l	96
17) Carbon Disulfide	4.40	76	593033	47.348	ug/l	98
18) Methyl Acetate	4.72	43	350446	175.846	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	415339	53.313	ug/l	98
20) Methylene Chloride	4.96	84	219482	56.212	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	213294	50.222	ug/l	98
22) Diisopropyl ether	6.37	45	614185	52.516	ug/l	95
23) Vinyl Acetate	6.31	43	150953	23.412	ug/l	97
24) 1,1-Dichloroethane	6.27	63	373290	51.459	ug/l	100
25) 2-Butanone	7.22	43	238125	212.400	ug/l	98
26) 2,2-Dichloropropane	7.21	77	313588	49.824	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	227540	50.580	ug/l	98
28) Bromochloromethane	7.55	49	147428	54.780	ug/l	98
29) Tetrahydrofuran	7.57	42	165482	251.919	ug/l	100
30) Chloroform	7.71	83	369223	50.521	ug/l	98
31) Cyclohexane	7.98	56	283578	39.787	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	314486	48.095	ug/l	98
36) 1,1-Dichloropropene	8.11	75	264993	46.097	ug/l	100
37) Ethyl Acetate	7.30	43	82313	34.252	ug/l	99
38) Carbon Tetrachloride	8.10	117	279847	47.821	ug/l	95

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	216432	32.025	ug/l	97
40) Benzene	8.36	78	818429	50.440	ug/l	99
41) Methacrylonitrile	7.53	41	54046	38.950	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	227439	50.987	ug/l	100
43) Isopropyl Acetate	8.46	43	172550	39.485	ug/l	95
44) Trichloroethene	9.11	130	209511	46.582	ug/l	94
45) 1,2-Dichloropropane	9.39	63	210371	52.141	ug/l	98
46) Dibromomethane	9.48	93	103979	50.088	ug/l	98
47) Bromodichloromethane	9.67	83	269391	49.242	ug/l	97
48) Methyl methacrylate	9.46	41	133316	65.999	ug/l	97
49) 1,4-Dioxane	9.47	88	24538	1007.829	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	554595	249.862	ug/l	99
52) Toluene	10.41	92	479866	47.779	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	246407	48.592	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	308381	50.361	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	144882	49.586	ug/l	99
56) Ethyl methacrylate	10.67	69	109855	32.574	ug/l	98
57) 1,3-Dichloropropane	10.95	76	245535	49.374	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	229708	216.044	ug/l	99
59) 2-Hexanone	10.99	43	357531	225.020	ug/l	97
60) Dibromochloromethane	11.14	129	177606	47.491	ug/l	98
61) 1,2-Dibromoethane	11.25	107	133589	48.289	ug/l	98
64) Tetrachloroethene	10.88	164	146493	45.764	ug/l	97
65) Chlorobenzene	11.67	112	431327	47.622	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	186813	55.271	ug/l	98
67) Ethyl Benzene	11.75	91	765540	48.260	ug/l	99
68) m/p-Xylenes	11.86	106	581994	95.896	ug/l	98
69) o-Xylene	12.18	106	276716	51.464	ug/l	97
70) Styrene	12.20	104	435890	45.660	ug/l	99
71) Bromoform	12.37	173	95730	51.041	ug/l #	100
73) Isopropylbenzene	12.48	105	639972	69.409	ug/l	99
74) N-amyl acetate	12.29	43	55027	26.858	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	138162	83.027	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	106794m	90.126	ug/l	
77) Bromobenzene	12.77	156	156757	68.466	ug/l	98
78) n-propylbenzene	12.83	91	644290	58.148	ug/l	99
79) 2-Chlorotoluene	12.91	91	372768	60.054	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	478439	63.002	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	43752	79.724	ug/l	98
82) 4-Chlorotoluene	13.01	91	372022	56.454	ug/l	99
83) tert-Butylbenzene	13.23	119	415718	65.315	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	463566	60.987	ug/l	99
85) sec-Butylbenzene	13.41	105	454623	49.570	ug/l	99
86) p-Isopropyltoluene	13.53	119	406513	48.469	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	208211	47.040	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	203120	46.497	ug/l	98
89) n-Butylbenzene	13.85	91	259593	33.589	ug/l	99
90) Hexachloroethane	14.12	117	97786	57.421	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	185528	48.817	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	18909	73.737	ug/l	96

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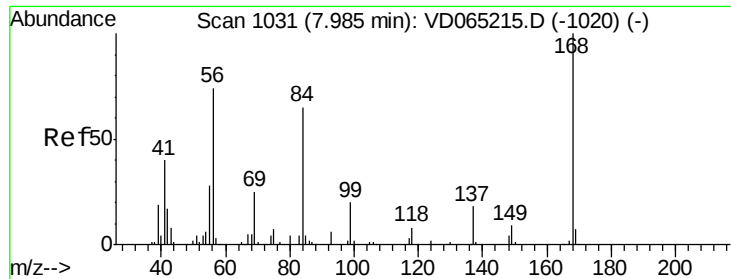
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	62414	25.107	ug/l	99
94) Hexachlorobutadiene	15.28	225	39226	24.598	ug/l	98
95) Naphthalene	15.41	128	139964	34.633	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	52699	24.272	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:168 Resp: 402942

Ion Ratio Lower Upper

168 100

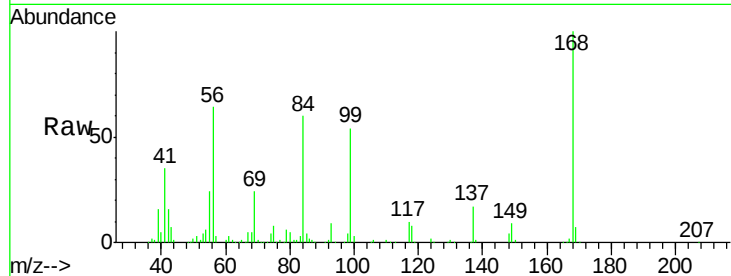
99 54.1 41.4 62.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

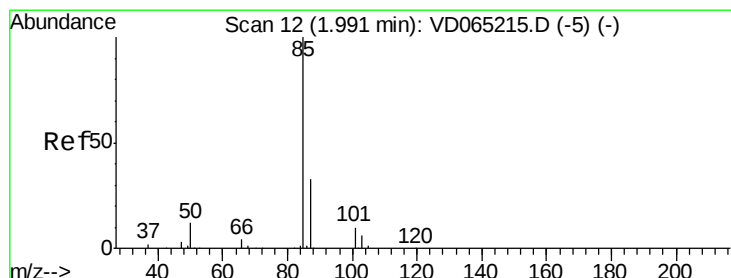
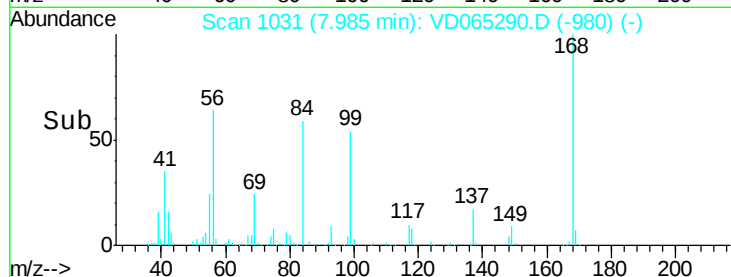
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.044 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065290.D

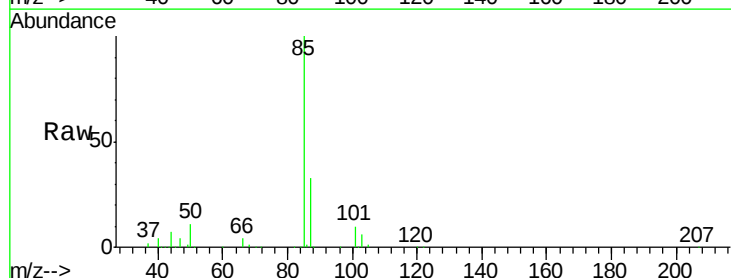
Acq: 24 Feb 2020 13:05

Tgt Ion: 85 Resp: 182647

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

150000

100000

50000

0

1.90

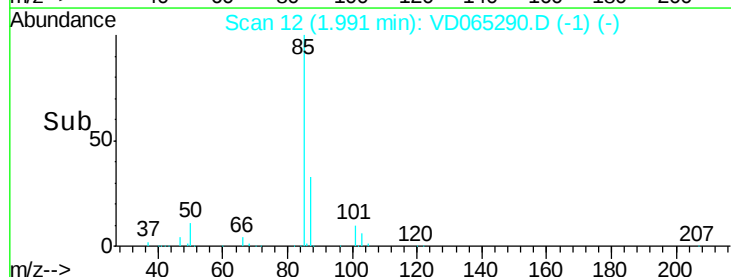
1.95

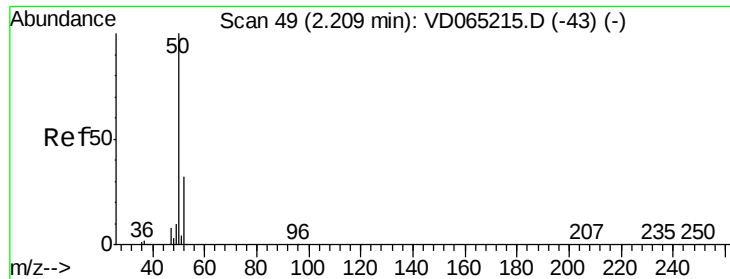
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 50.243 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 50 Resp: 216129

Ion Ratio Lower Upper

50 100

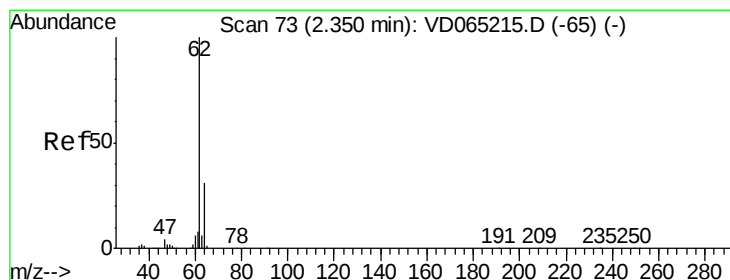
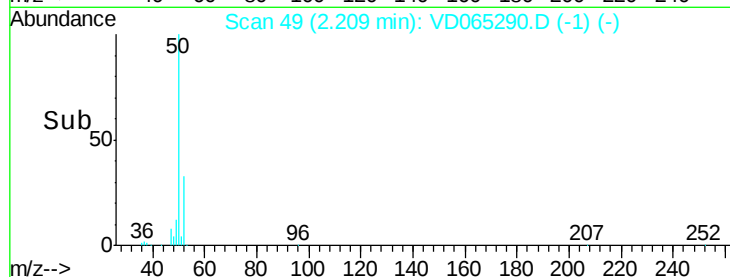
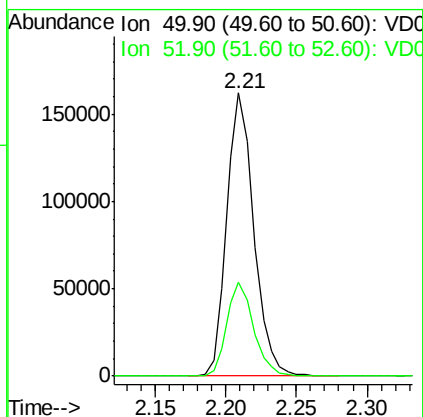
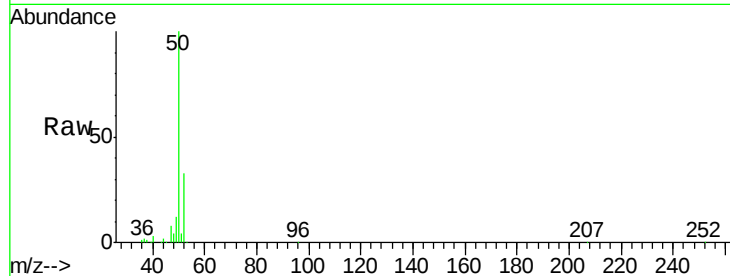
52 33.2 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.190 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065290.D

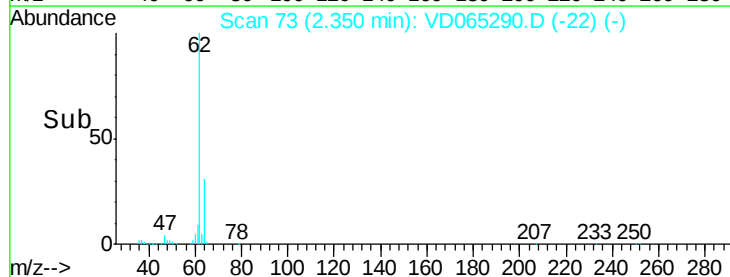
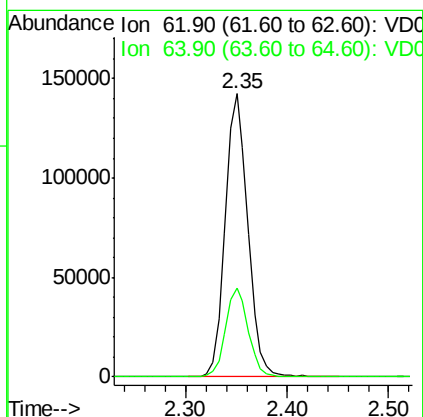
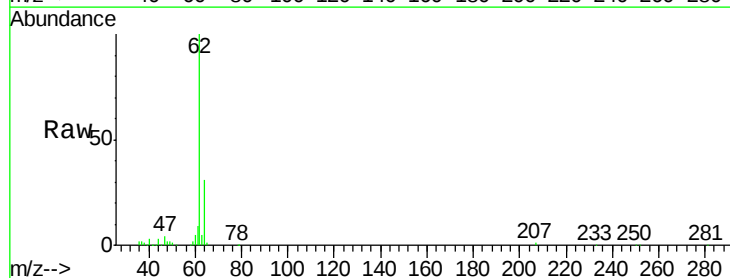
Acq: 24 Feb 2020 13:05

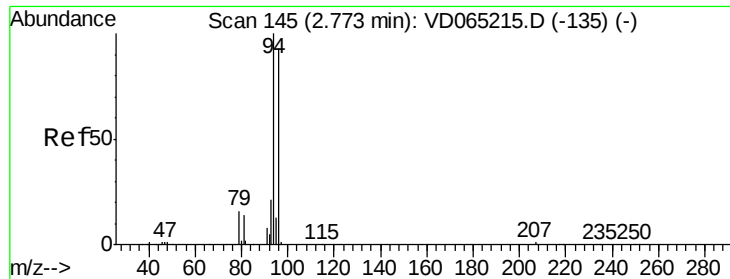
Tgt Ion: 62 Resp: 219541

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6





#5

Bromomethane

Concen: 48.324 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

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Tot Ion: 94 Resp: 127805

Ion Ratio Lower Upper

94 100

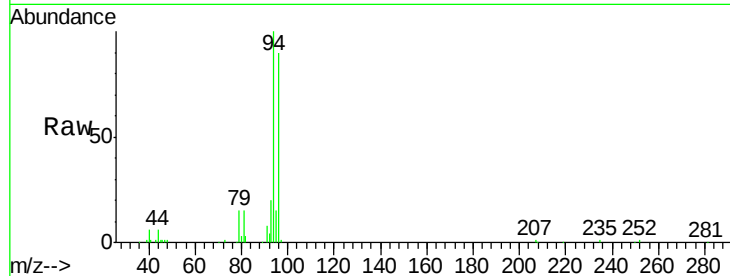
96 89.4 74.2 111.4

Manual Integrations

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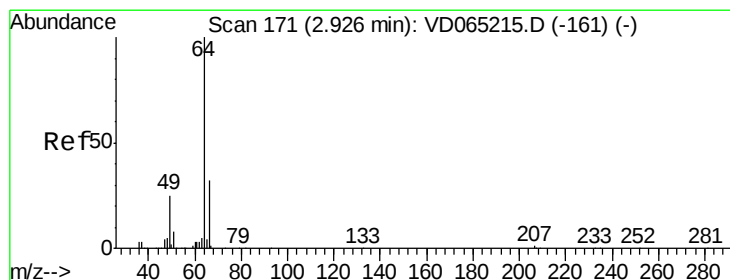
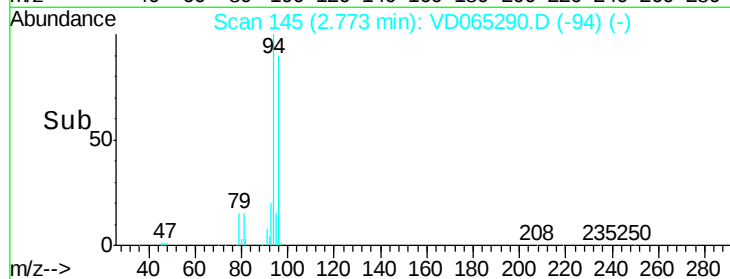
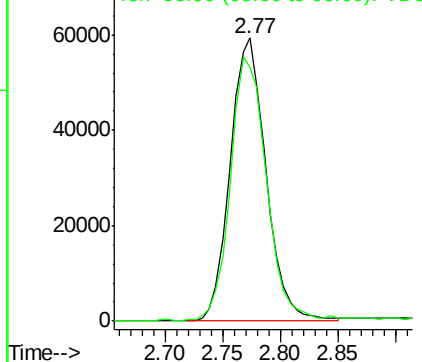
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.390 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065290.D

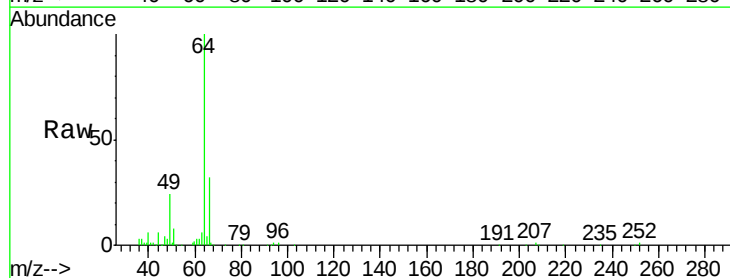
Acq: 24 Feb 2020 13:05

Tgt Ion: 64 Resp: 134542

Ion Ratio Lower Upper

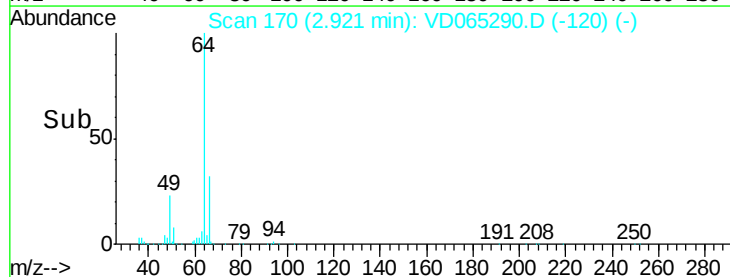
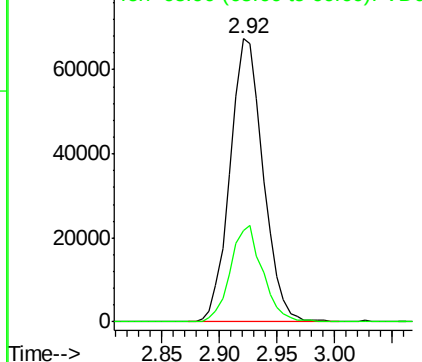
64 100

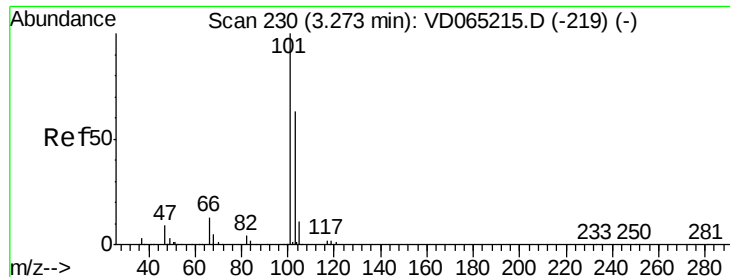
66 32.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

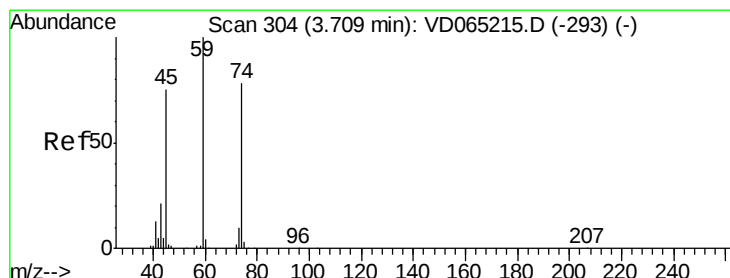
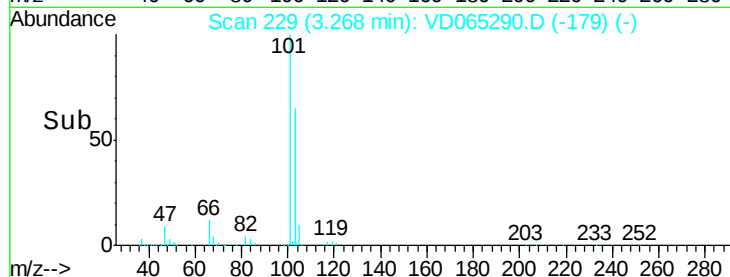
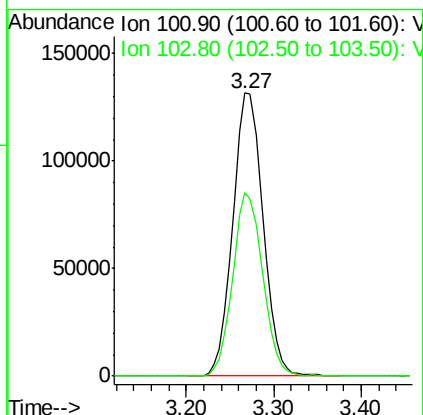
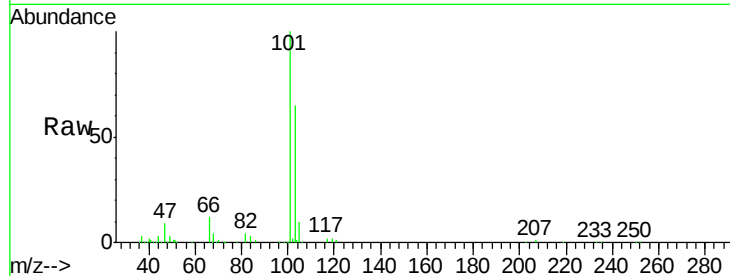
Trichlorofluoromethane
 Concen: 49.296 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065290.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.7	76.1

Manual Integrations
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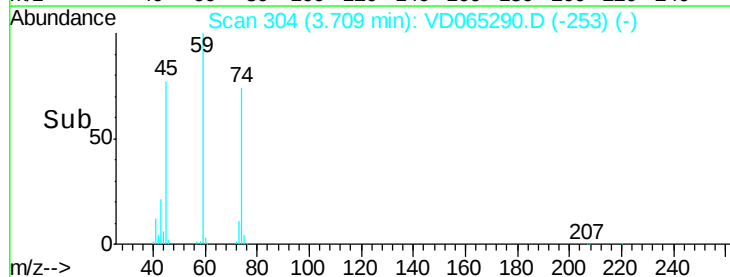
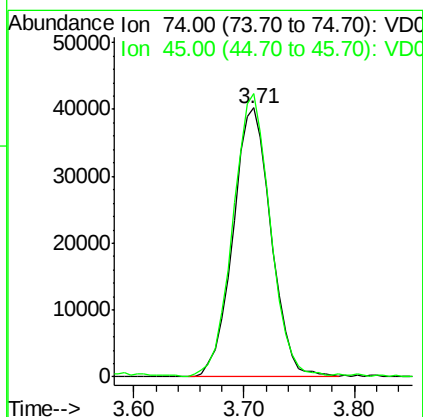
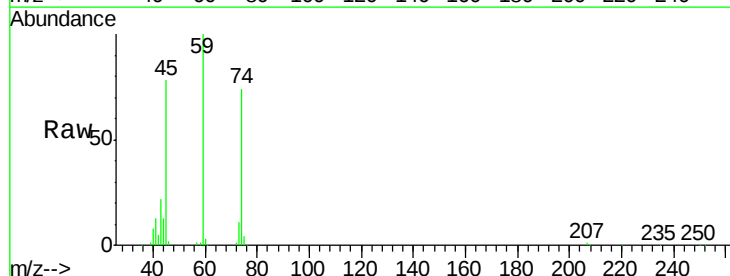
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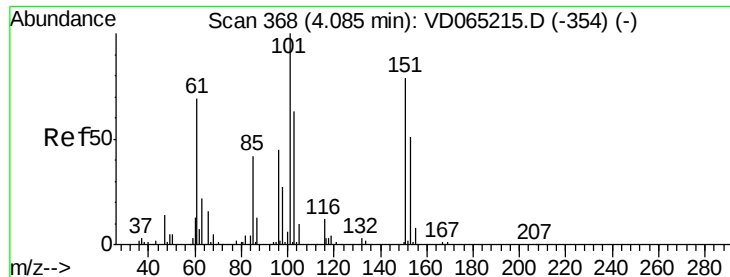


#8

Diethyl Ether
 Concen: 51.457 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.9	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.055 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

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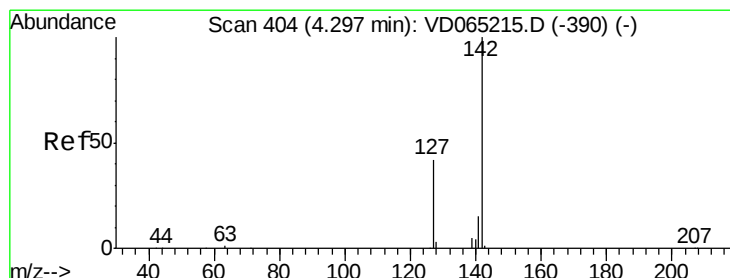
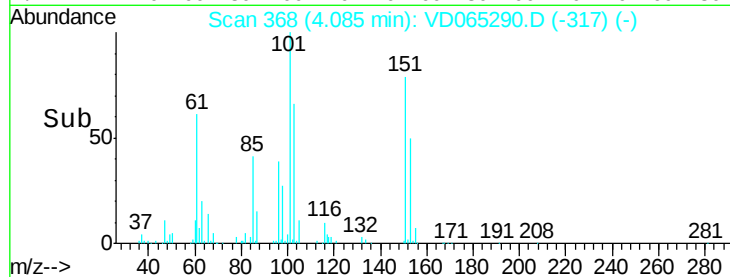
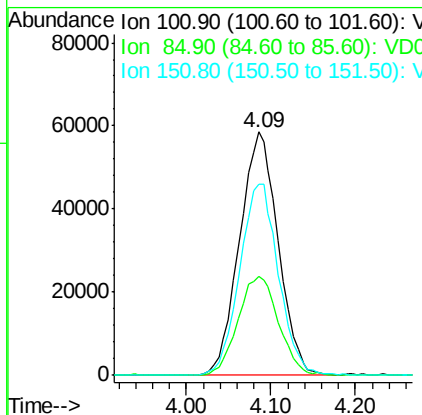
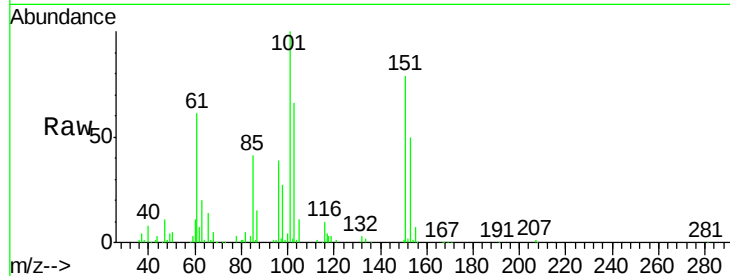
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	101	Resp:	186092
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.2
151	78.8	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 55.920 ug/l

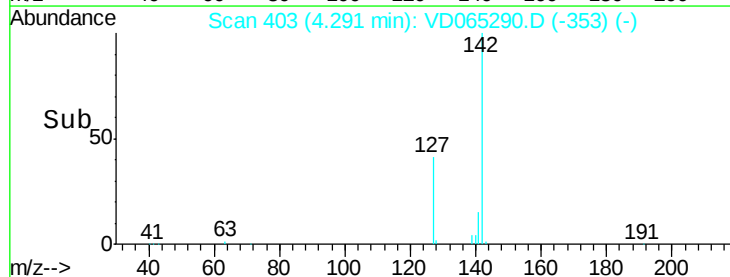
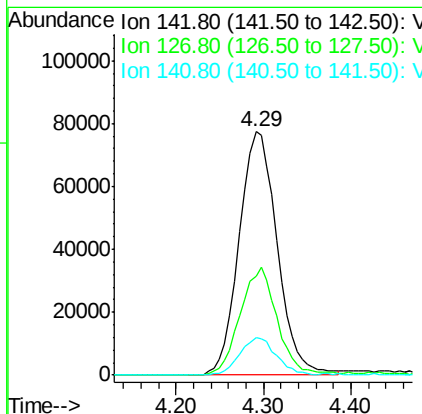
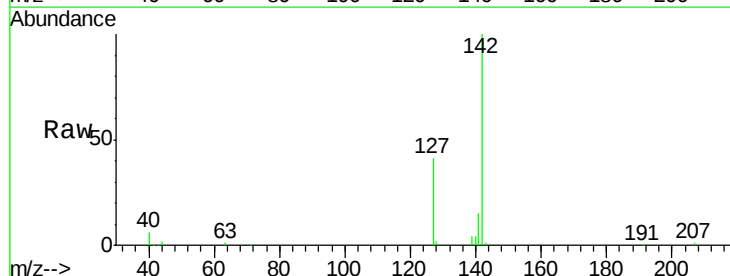
RT: 4.29 min Scan# 403

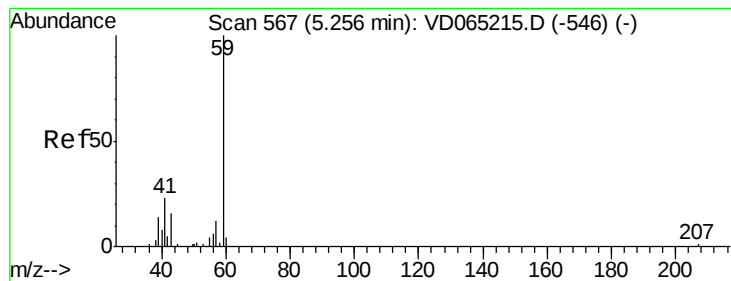
Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion:	142	Resp:	229619
Ion Ratio	Lower	Upper	
142	100		
127	43.2	33.8	50.8
141	14.7	11.7	17.5





#11

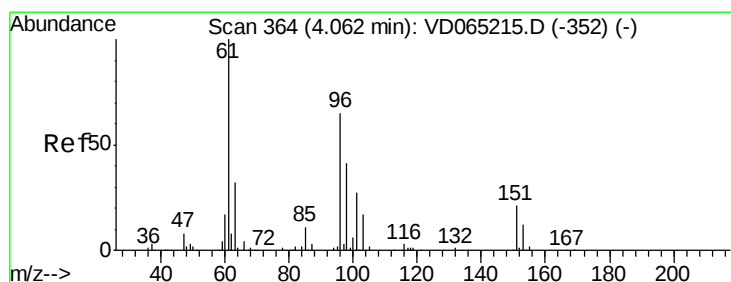
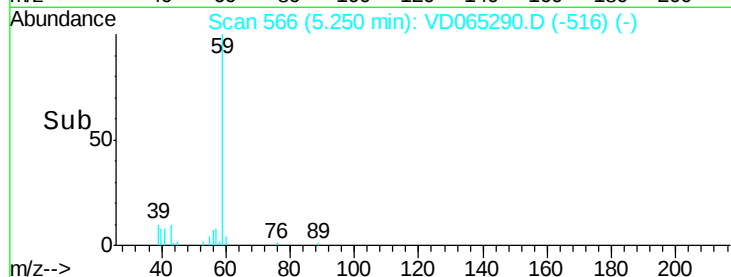
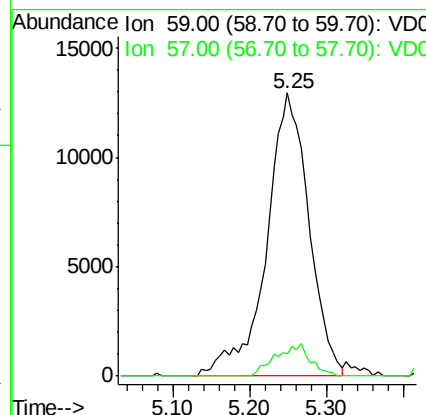
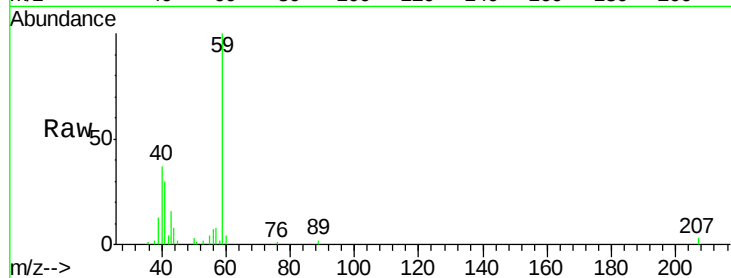
Tert butyl alcohol
Concen: 228.230 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.3	8.4	12.6

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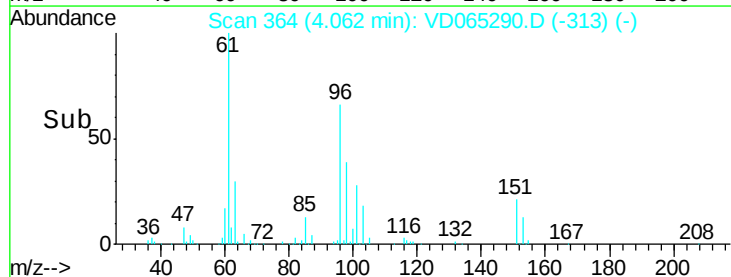
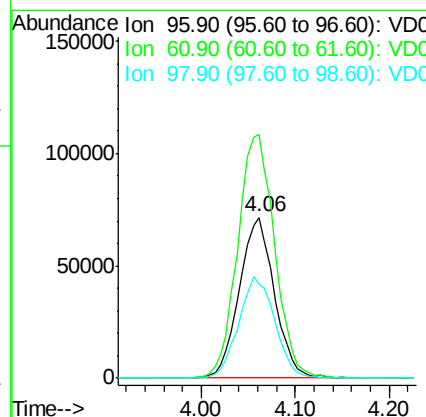
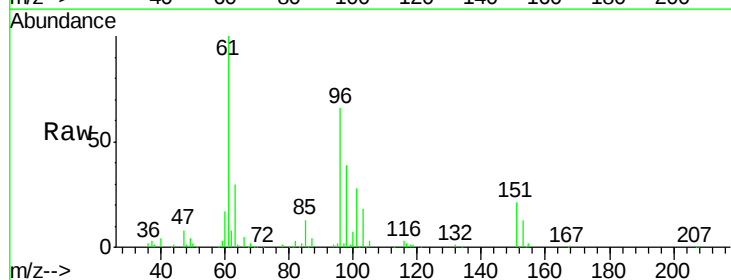
MMDadoda
2/25/2020 5:15:41 PM



#12

1,1-Dichloroethene
Concen: 49.723 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	123.3	184.9
98	58.6	51.0	76.4





#13

Acrolein

Concen: 156.234 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 56 Resp: 44365

Ion Ratio Lower Upper

56 100

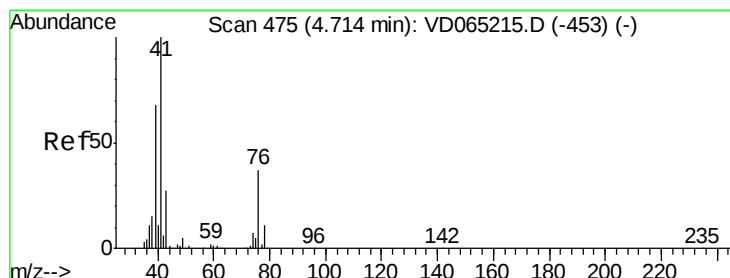
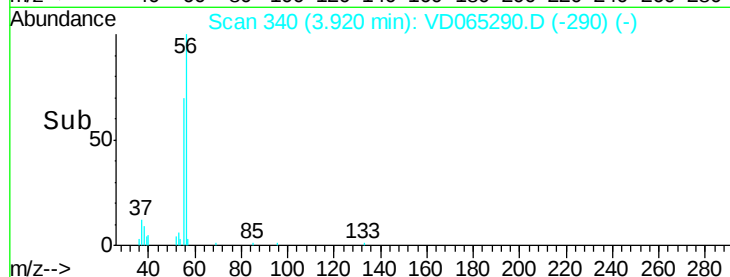
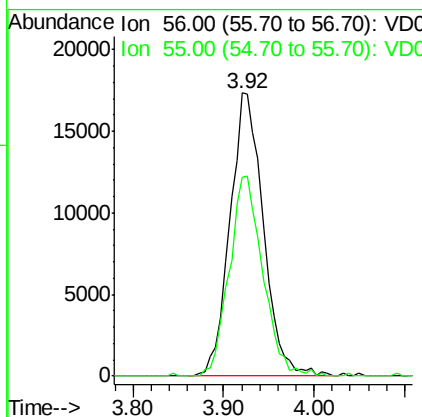
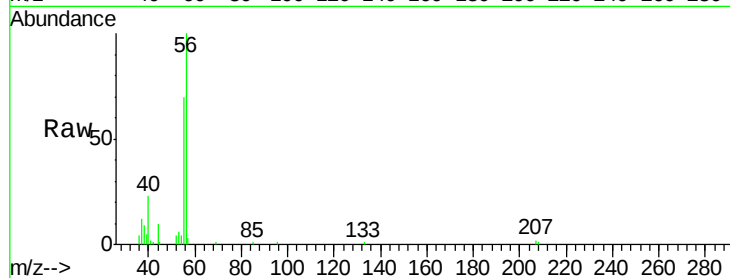
55 71.1 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 52.287 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

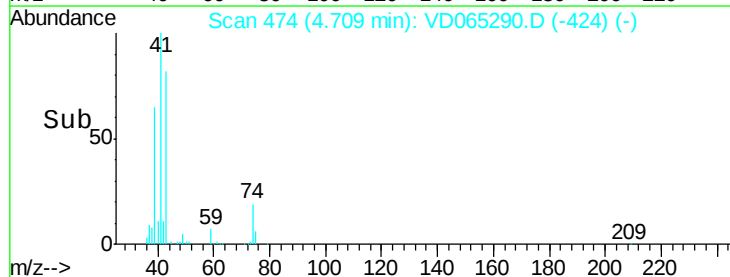
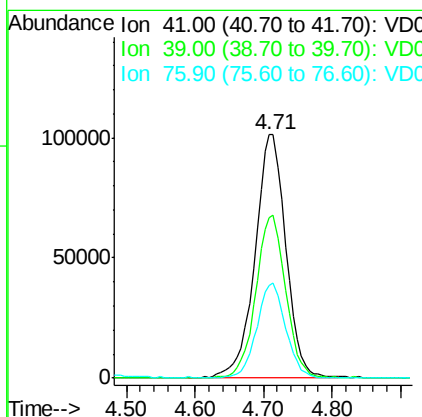
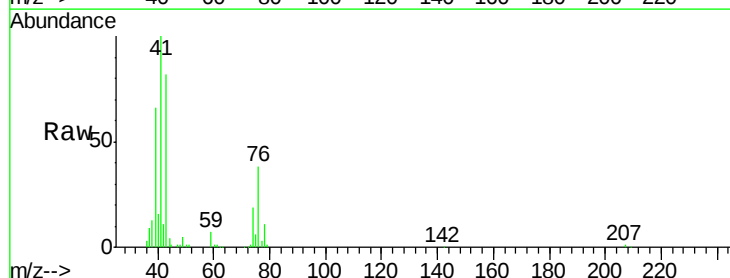
Tgt Ion: 41 Resp: 317210

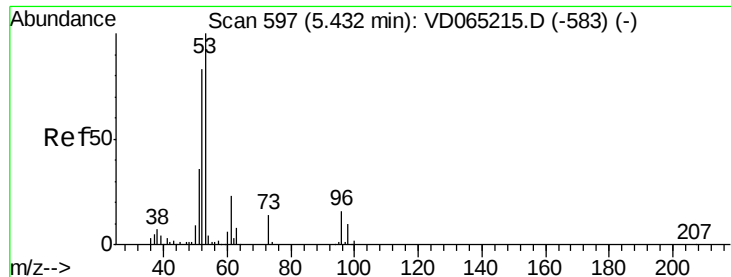
Ion Ratio Lower Upper

41 100

39 64.9 53.8 80.6

76 36.2 28.7 43.1





#15

Acrylonitrile

Concen: 243.760 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

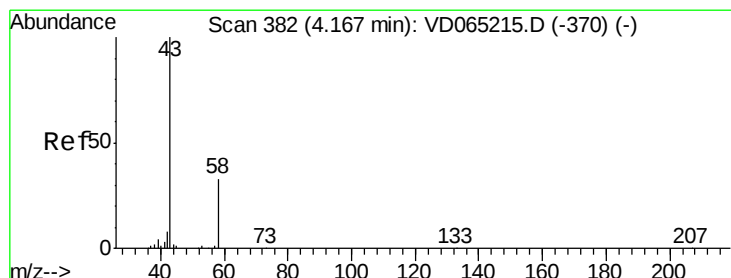
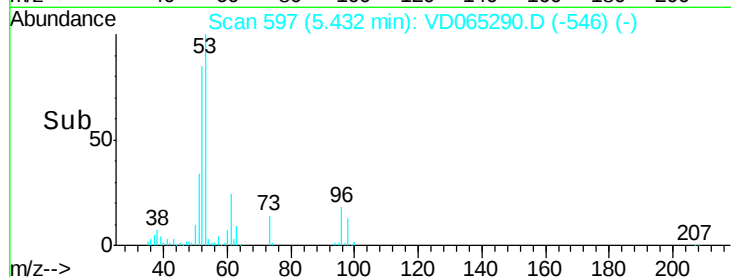
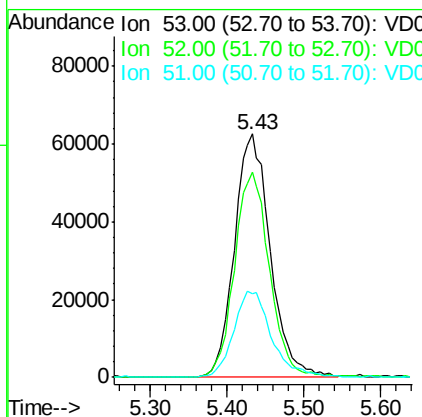
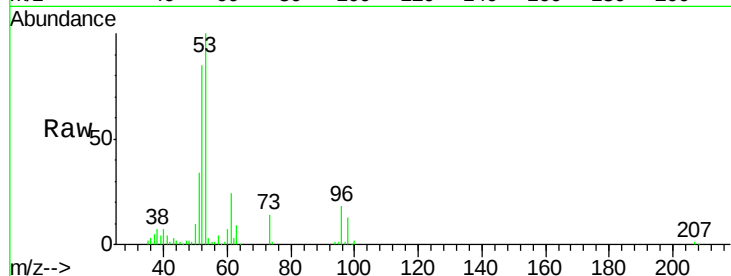
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	53	Resp:	204009
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.4	98.2
51	37.4	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 159.541 ug/l

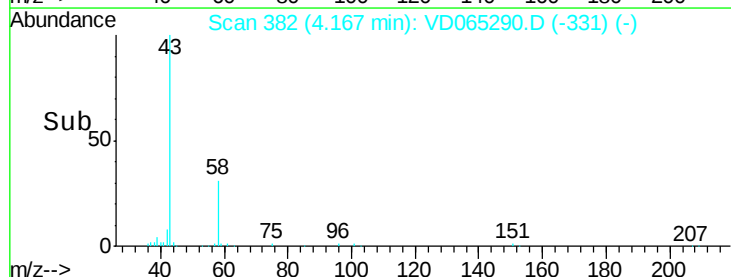
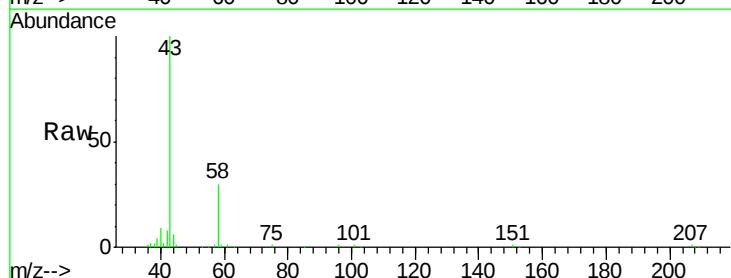
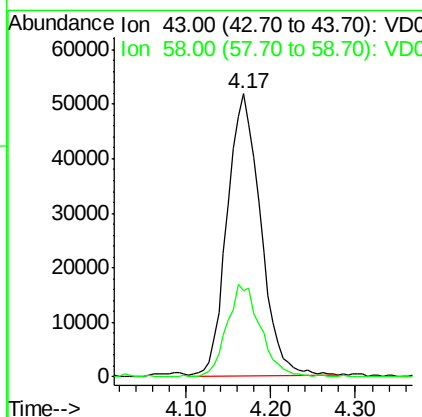
RT: 4.17 min Scan# 382

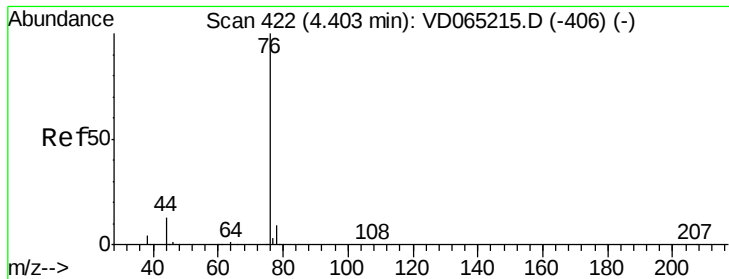
Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion:	43	Resp:	141370
Ion	Ratio	Lower	Upper
43	100		
58	30.6	26.2	39.2





#17

Carbon Disulfide

Concen: 47.348 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 76 Resp: 593033

Ion Ratio Lower Upper

76 100

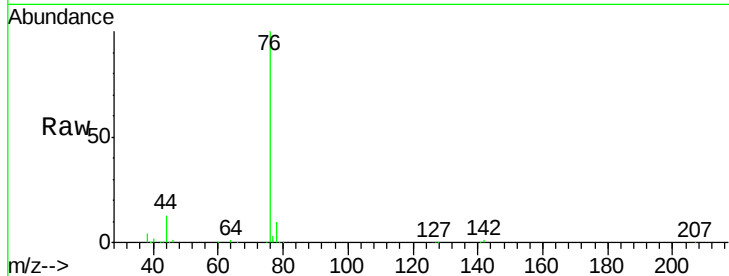
78 9.5 7.0 10.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

250000

200000

150000

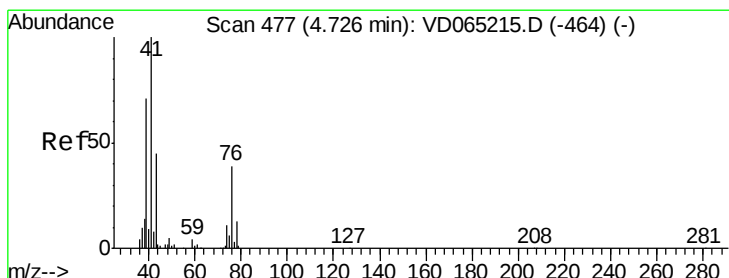
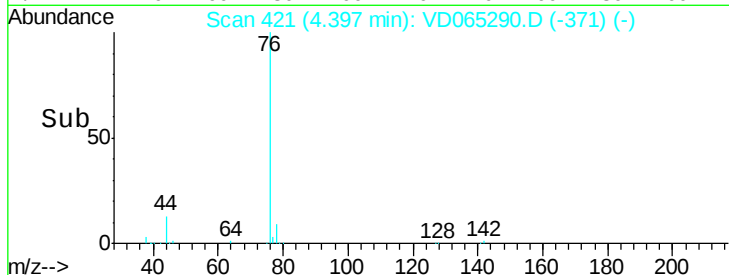
100000

50000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 175.846 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065290.D

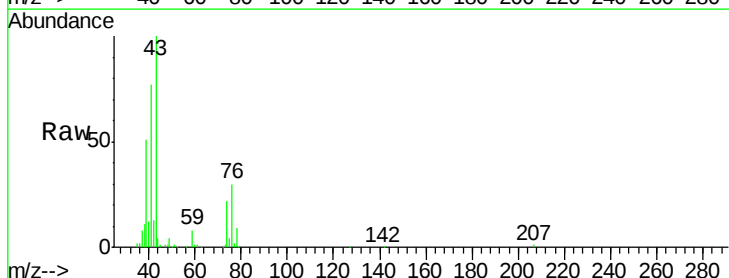
Acq: 24 Feb 2020 13:05

Tgt Ion: 43 Resp: 350446

Ion Ratio Lower Upper

43 100

74 23.0 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

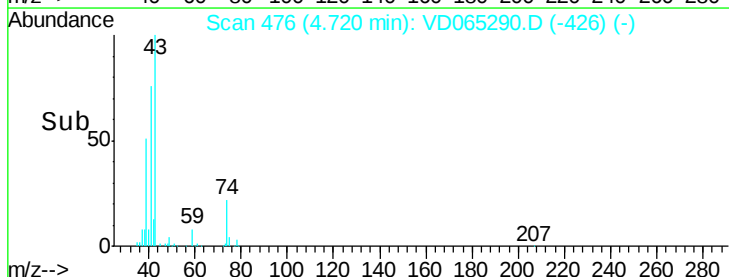
100000

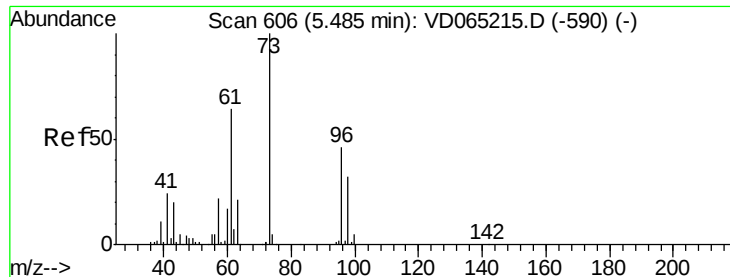
50000

0

4.60 4.70 4.80 4.90

Time-->





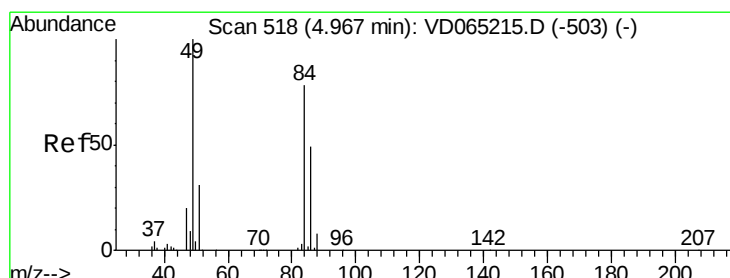
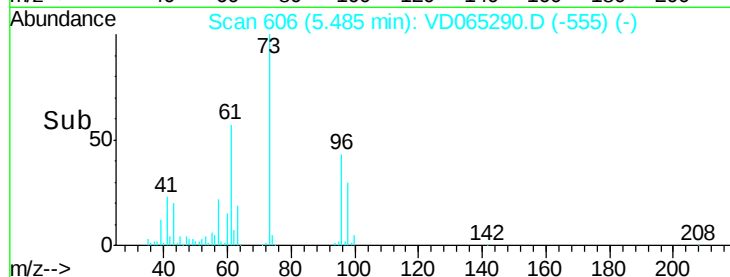
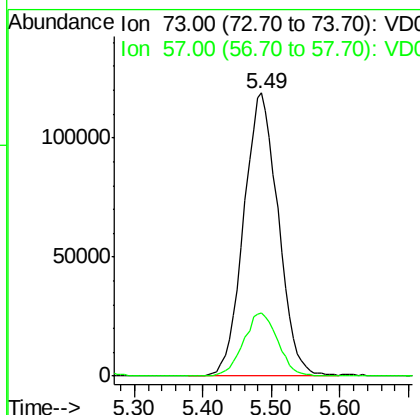
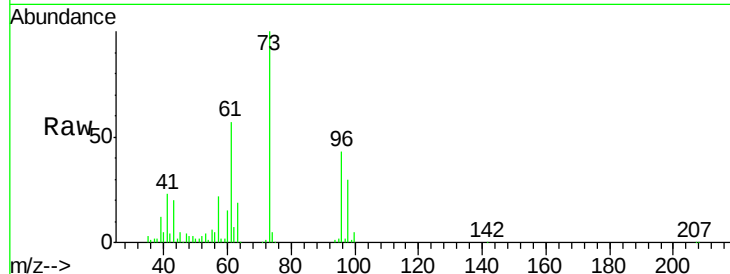
#19
Methyl tert-butyl Ether
Concen: 53.313 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion: 73 Resp: 415339
Ion Ratio Lower Upper
73 100
57 22.4 17.3 25.9

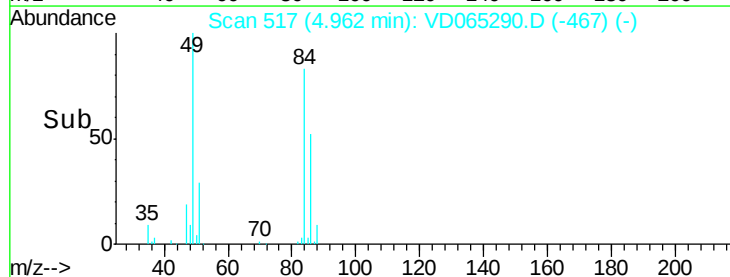
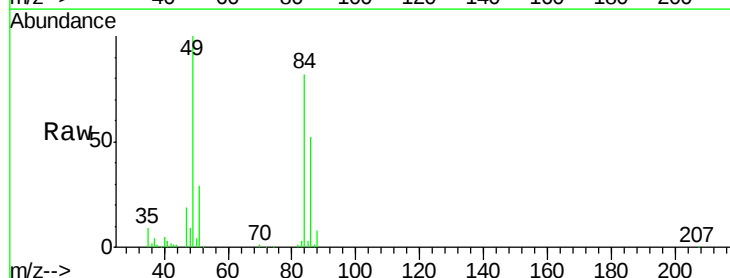
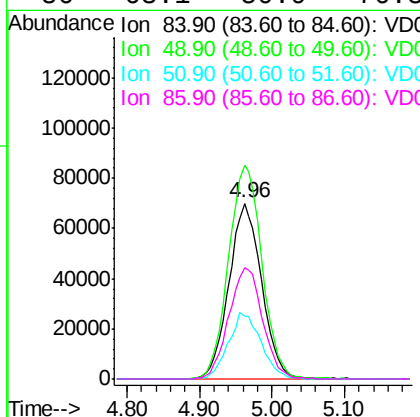
Manual Integrations
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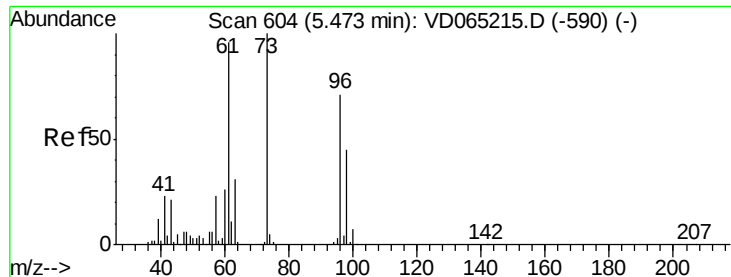
MMDadoda
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#20
Methylene Chloride
Concen: 56.212 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion: 84 Resp: 219482
Ion Ratio Lower Upper
84 100
49 121.6 103.1 154.7
51 35.6 31.7 47.5
86 63.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 50.222 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

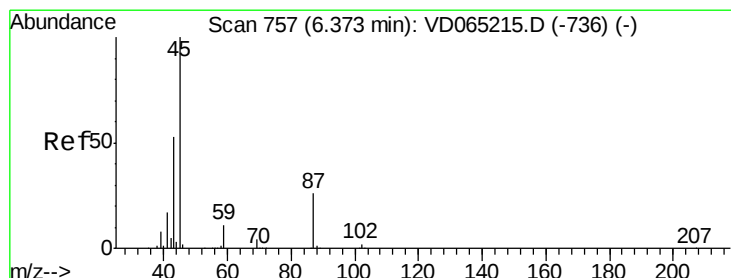
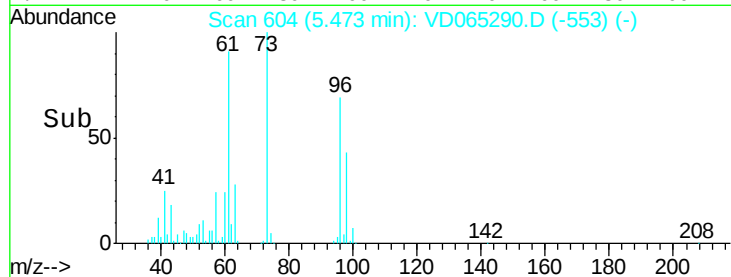
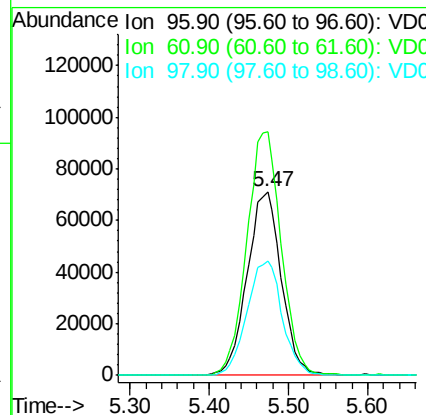
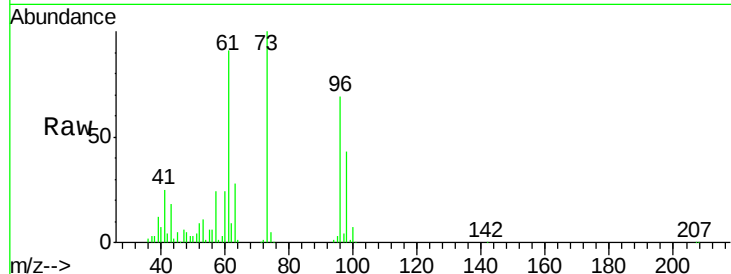
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	96	Resp:	213294
Ion	Ratio	Lower	Upper
96	100		
61	132.6	108.3	162.5
98	62.1	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.516 ug/l

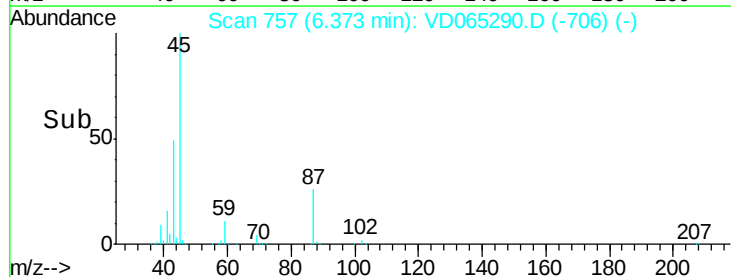
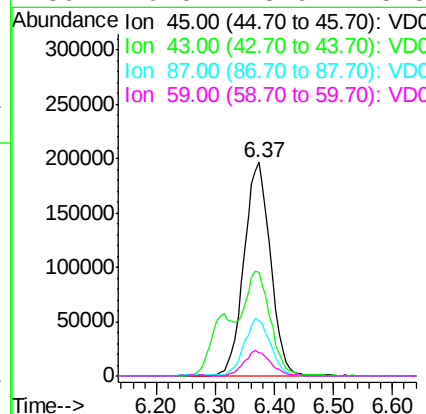
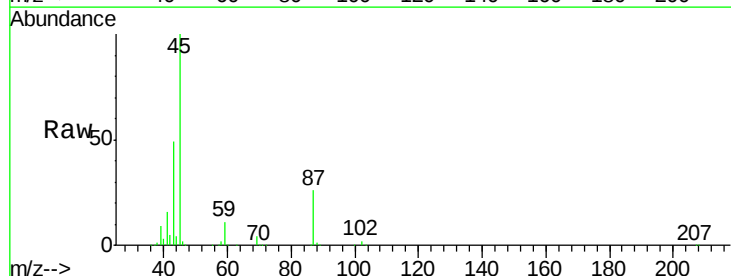
RT: 6.37 min Scan# 757

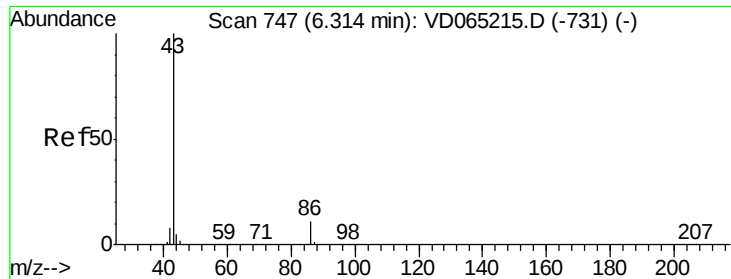
Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion:	45	Resp:	614185
Ion	Ratio	Lower	Upper
45	100		
43	48.5	42.6	64.0
87	25.8	21.2	31.8
59	10.8	8.9	13.3





#23

Vinyl Acetate

Concen: 23.412 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleID :

DUNR-TS001-01MSD

Tot Ion: 43 Resp: 150953

Ion Ratio Lower Upper

43 100

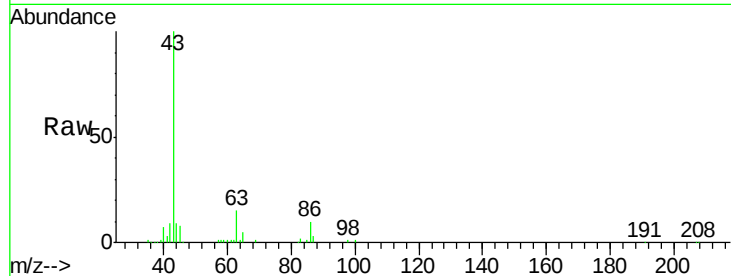
86 9.5 8.6 12.8

Manual Integrations

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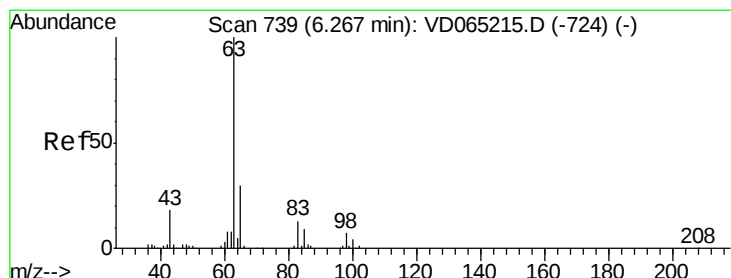
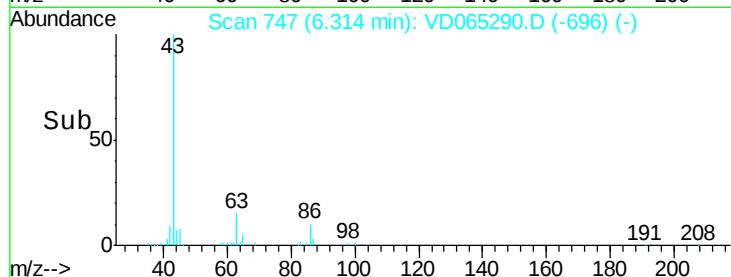
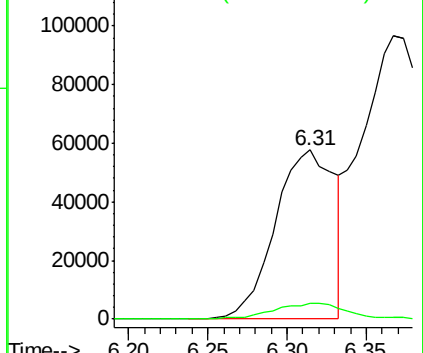
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.459 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

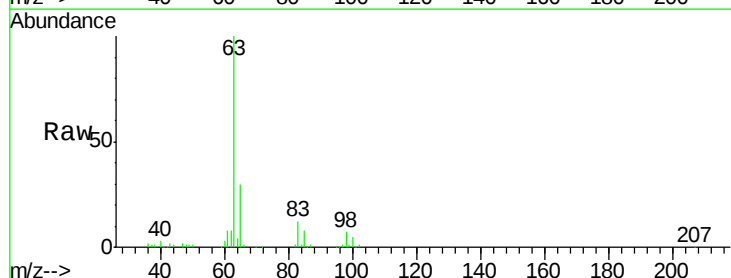
Tgt Ion: 63 Resp: 373290

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

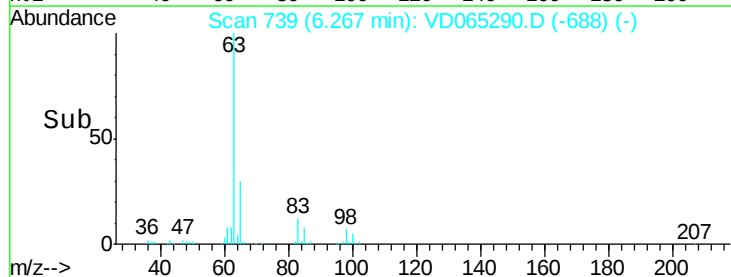
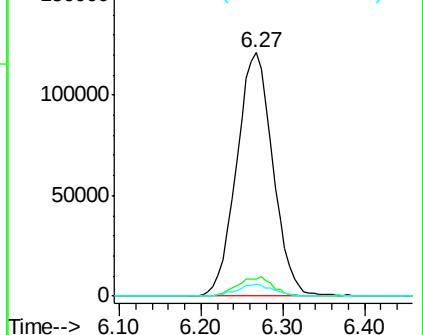
100 4.7 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 212.400 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 43 Resp: 238125

Ion Ratio Lower Upper

43 100

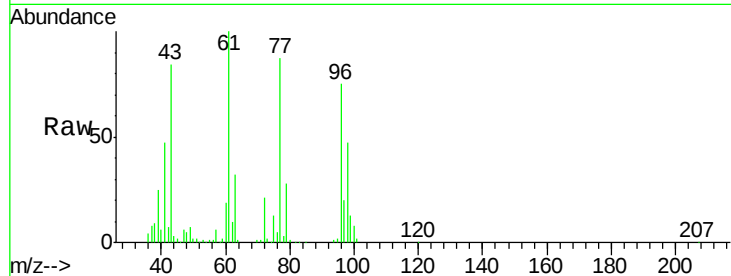
72 25.3 20.9 31.3

Manual Integrations

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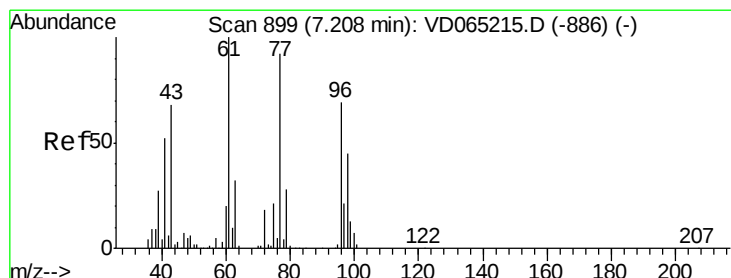
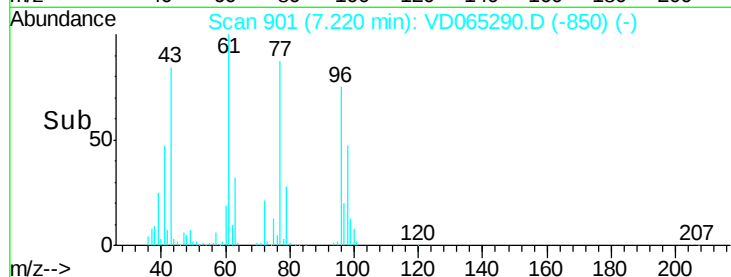
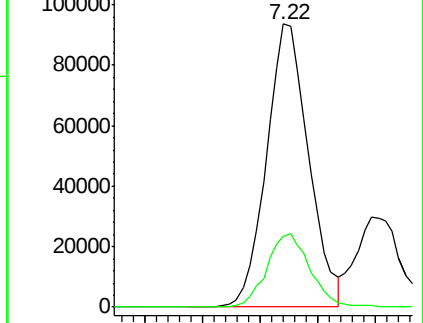
MMDadoda

2/25/2020 5:15:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.824 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065290.D

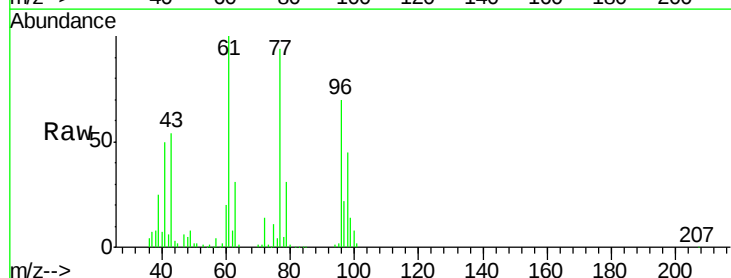
Acq: 24 Feb 2020 13:05

Tgt Ion: 77 Resp: 313588

Ion Ratio Lower Upper

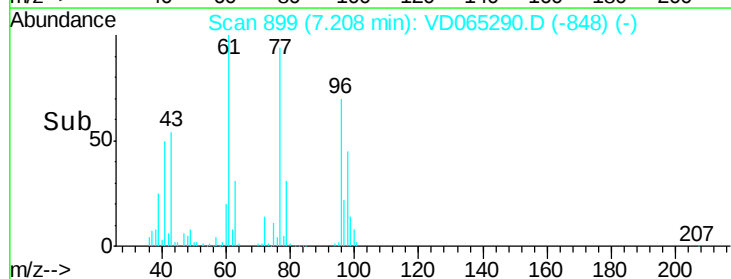
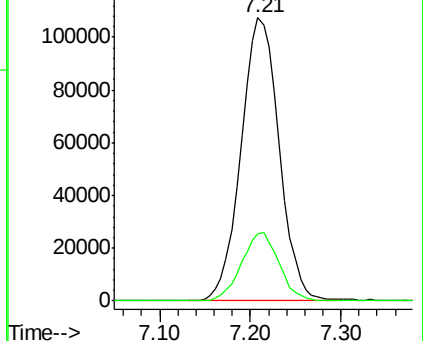
77 100

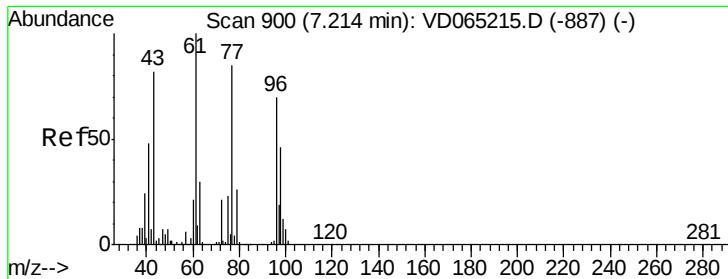
97 23.6 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

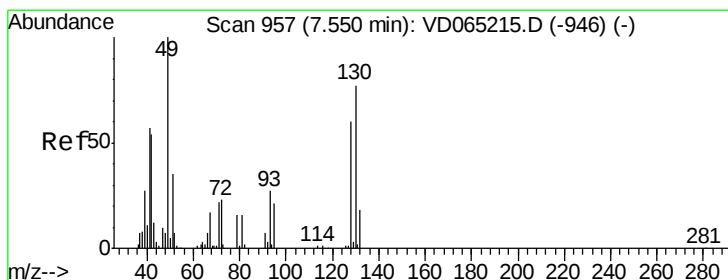
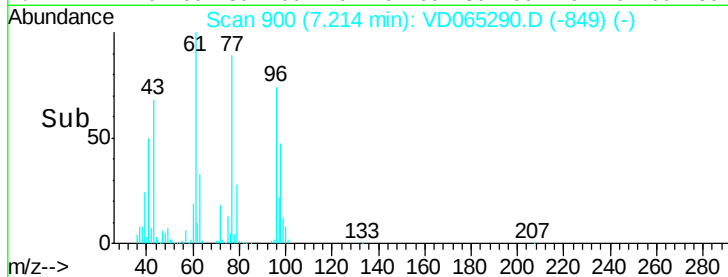
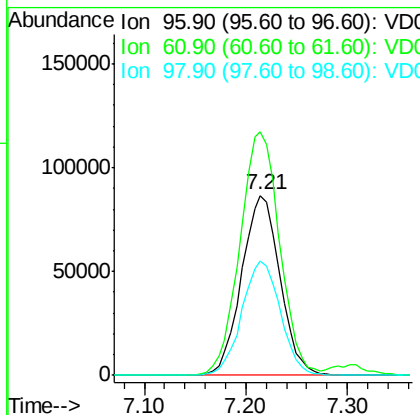
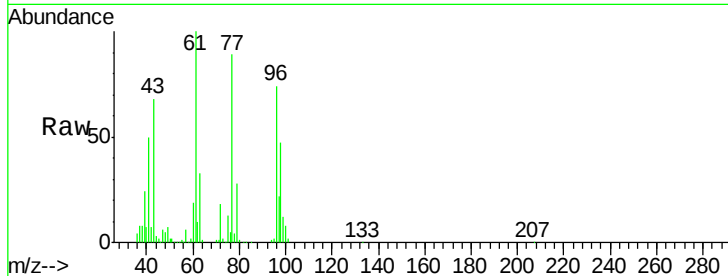
cis-1,2-Dichloroethene
Concen: 50.580 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	286.0
98	64.0	0.0	127.8

Manual Integrations
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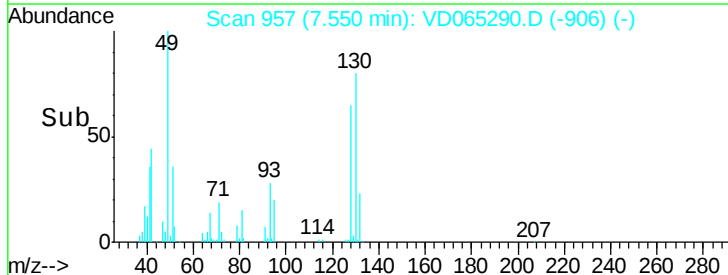
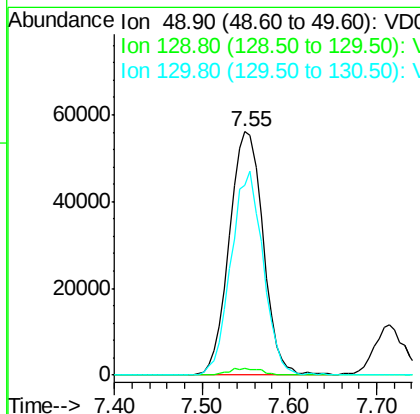
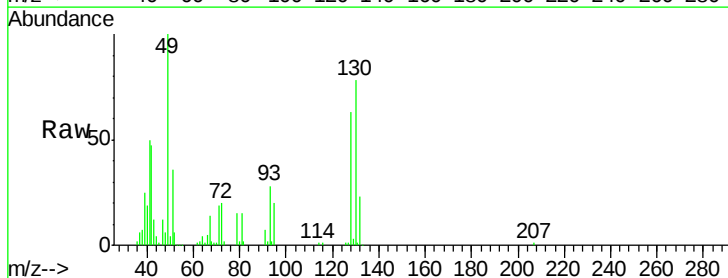
MMDadoda
2/25/2020 5:15:41 PM

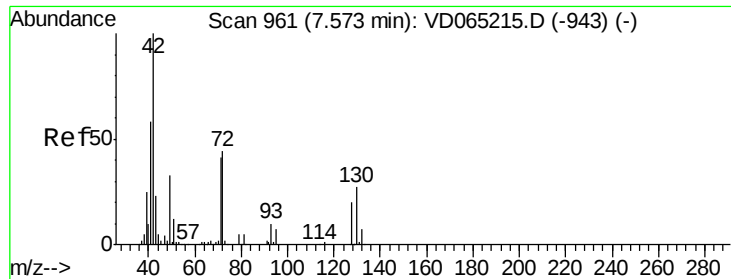


#28

Bromochloromethane
Concen: 54.780 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	79.1	64.7	97.1





#29

Tetrahydrofuran

Concen: 251.919 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

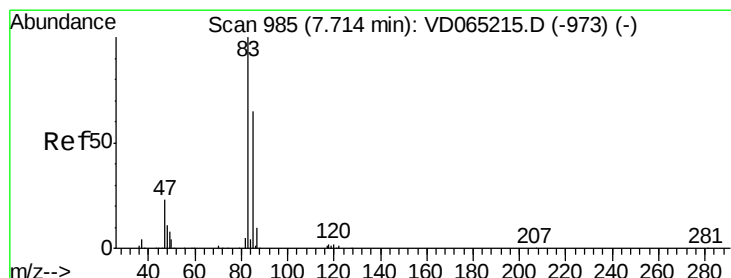
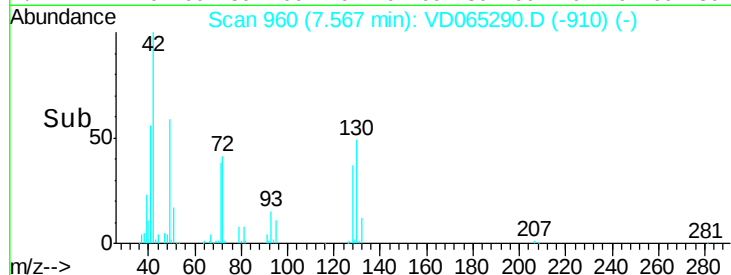
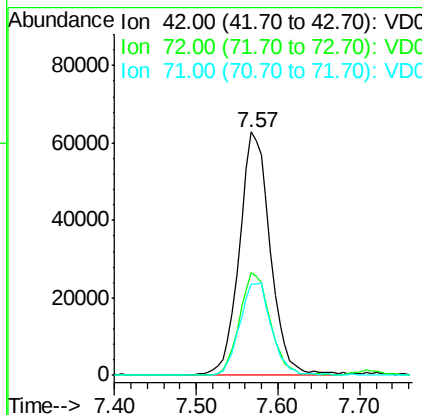
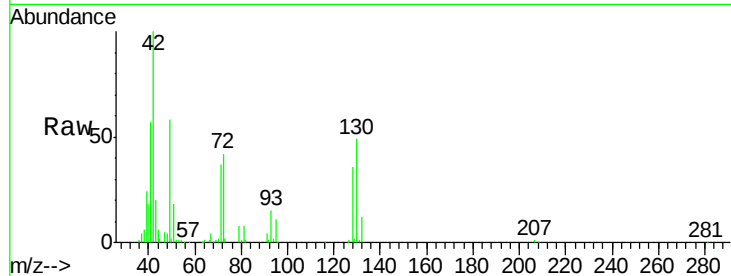
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	42	Resp:	165482
Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.7	50.5
71	38.9	31.4	47.2

Manual Integrations
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#30

Chloroform

Concen: 50.521 ug/l

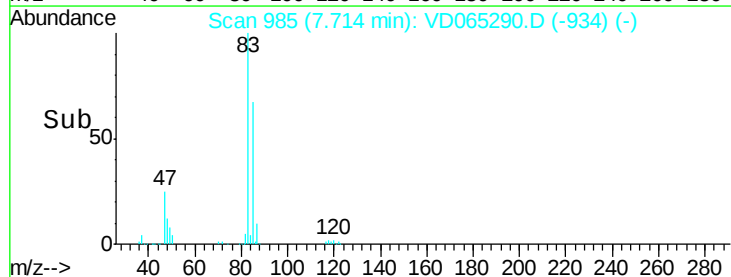
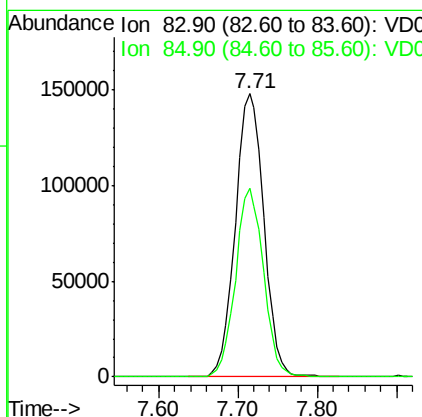
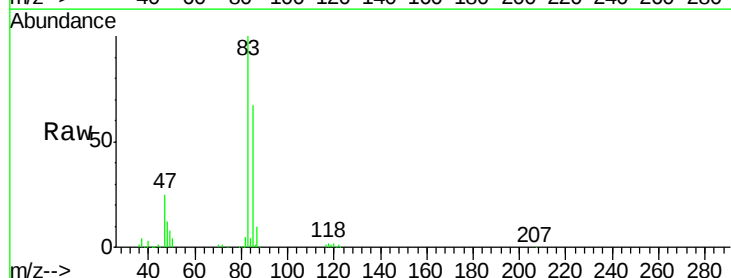
RT: 7.71 min Scan# 985

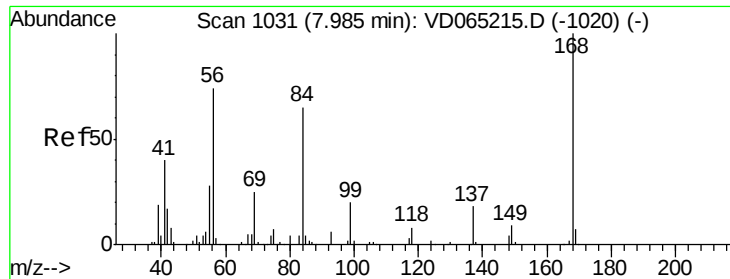
Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion:	83	Resp:	369223
Ion	Ratio	Lower	Upper
83	100		
85	66.8	52.3	78.5





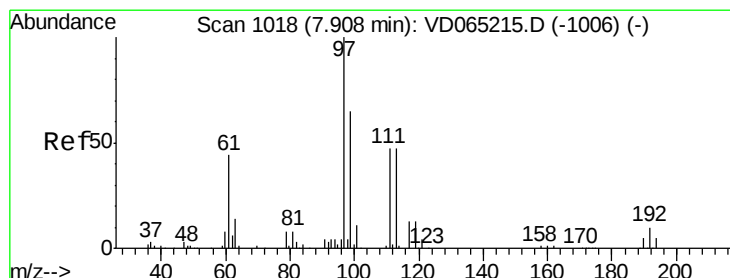
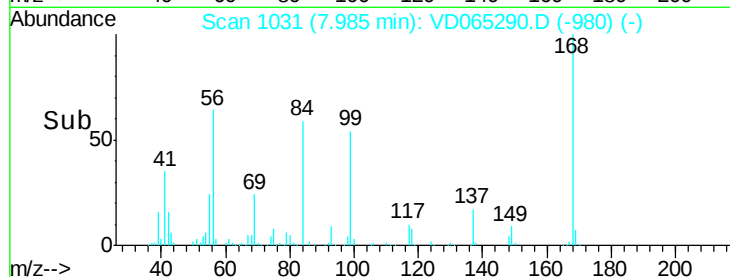
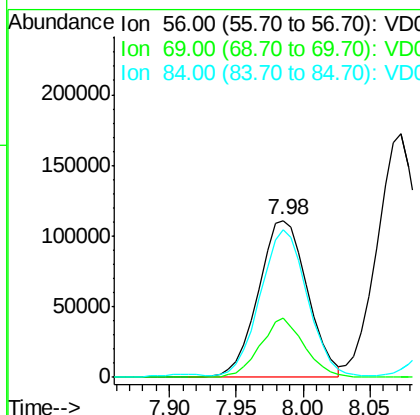
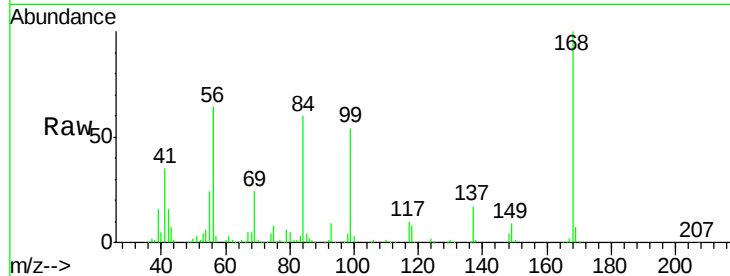
#31
Cyclohexane
Concen: 39.787 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	27.4	41.0
84	92.2	71.1	106.7

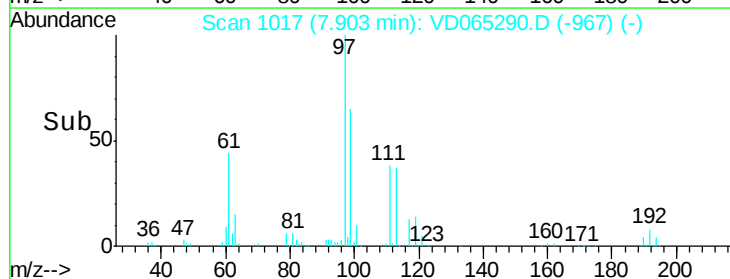
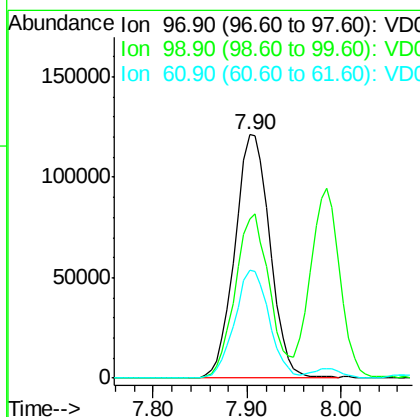
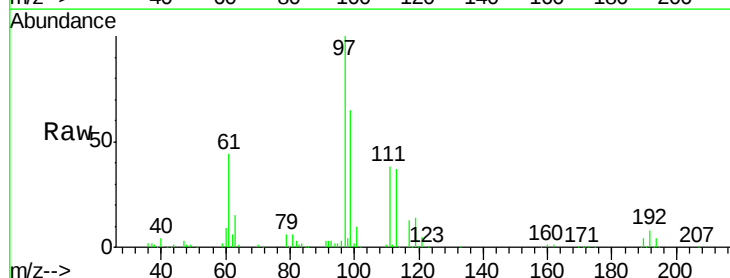
Manual Integrations
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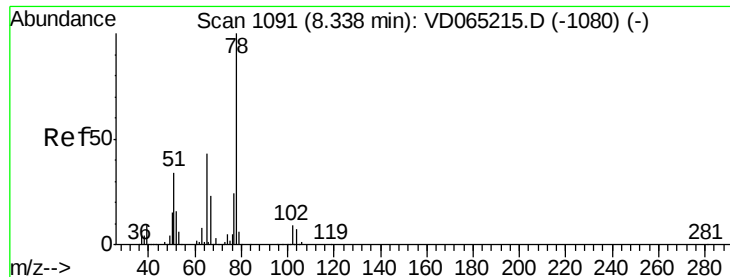
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#32
1,1,1-Trichloroethane
Concen: 48.095 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.8	51.4	77.2
61	43.6	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 50.251 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 65 Resp: 182157

Ion Ratio Lower Upper

65 100

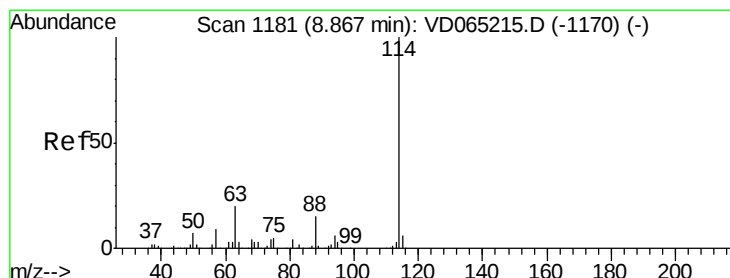
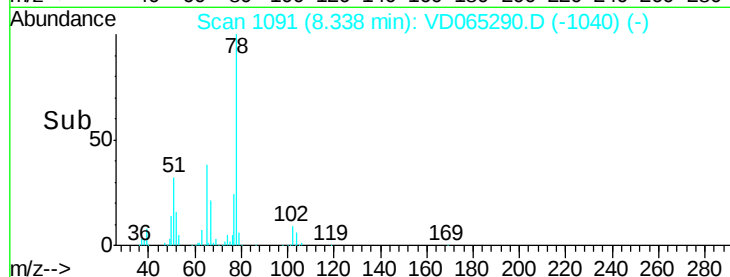
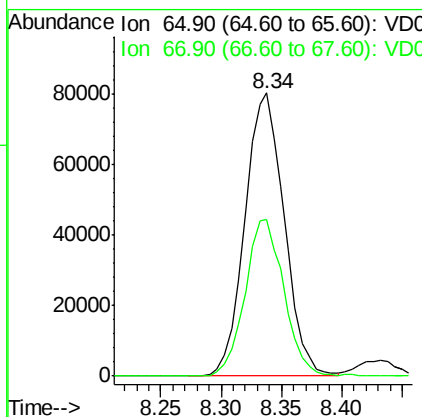
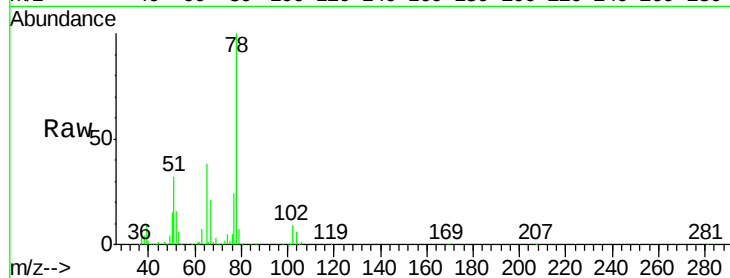
67 54.6 0.0 106.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

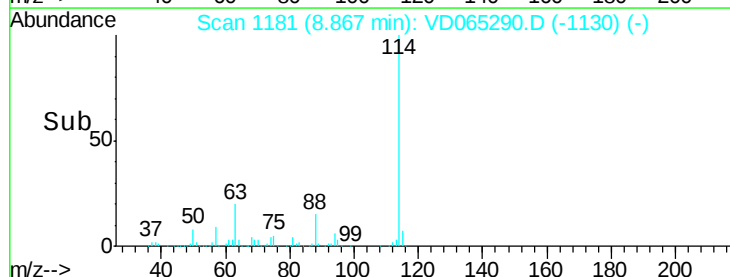
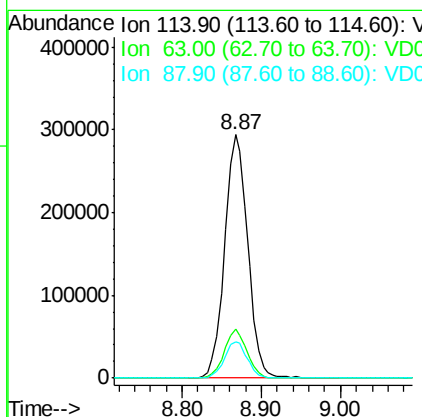
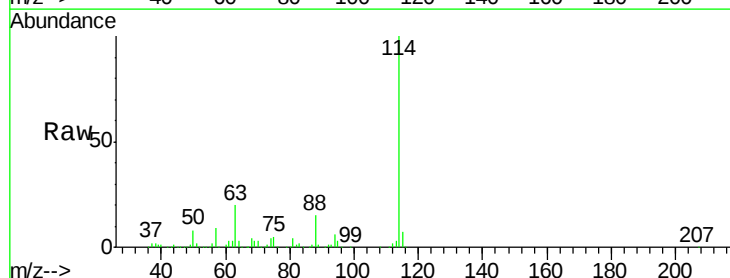
Tgt Ion: 114 Resp: 590801

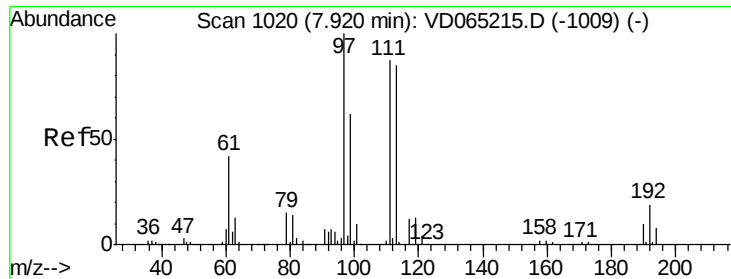
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

88 14.8 0.0 30.4





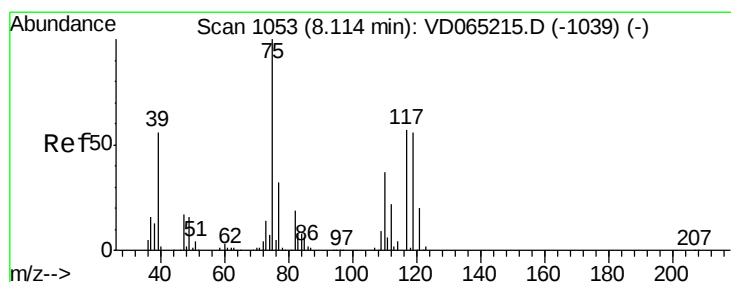
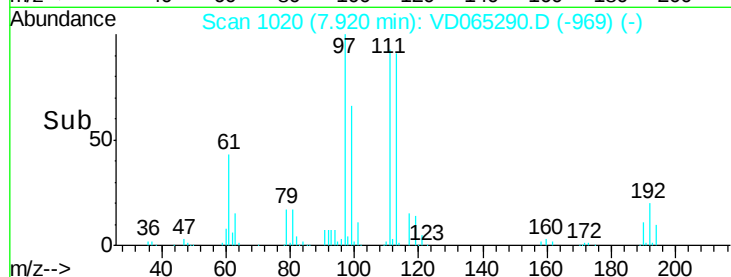
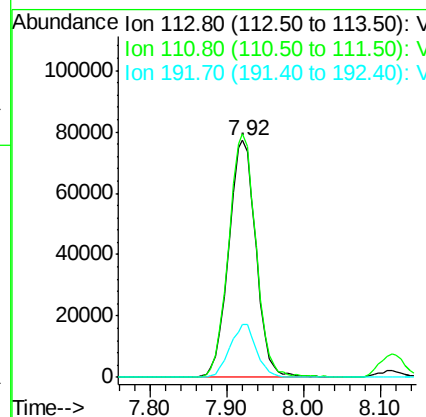
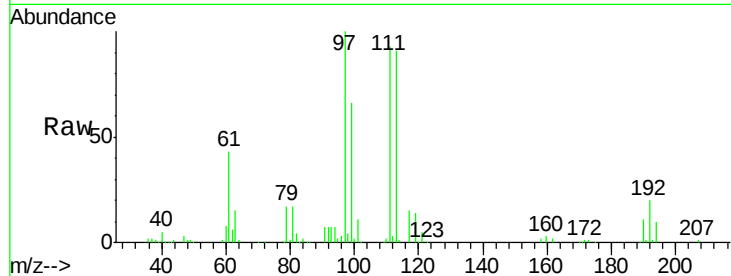
#35
Dibromofluoromethane
Concen: 52.792 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	190176		
111	102.8	82.9	124.3	
192	21.6	17.3	25.9	

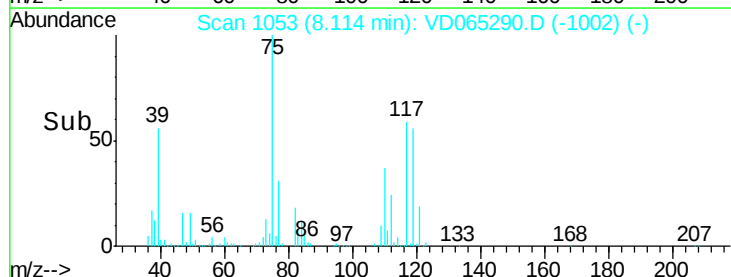
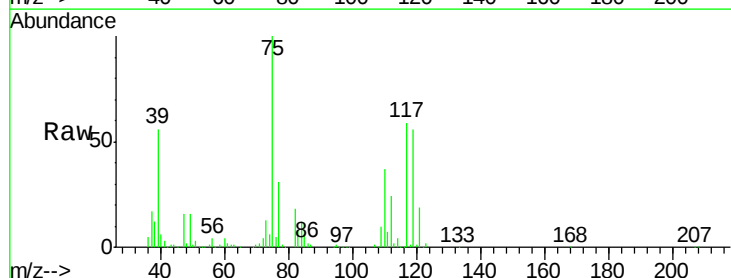
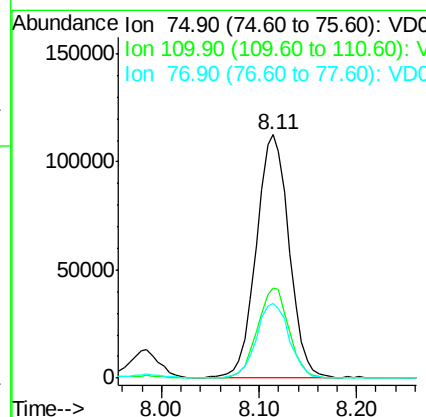
Manual Integrations
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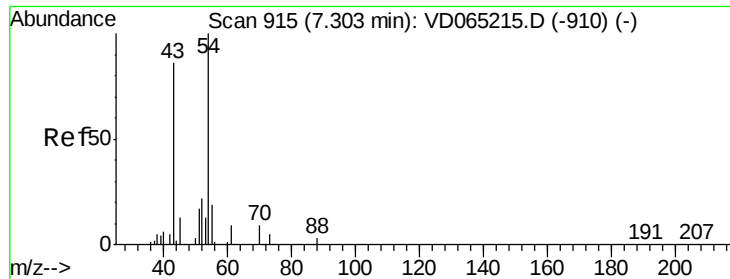
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#36
1,1-Dichloropropene
Concen: 46.097 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	264993		
110	35.8	17.9	53.7	
77	31.2	25.1	37.7	





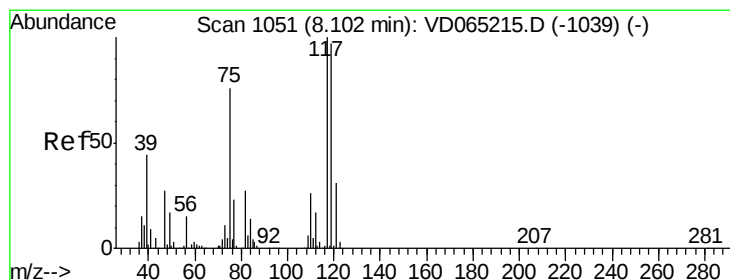
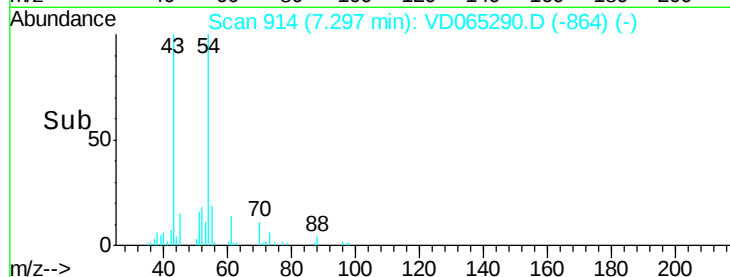
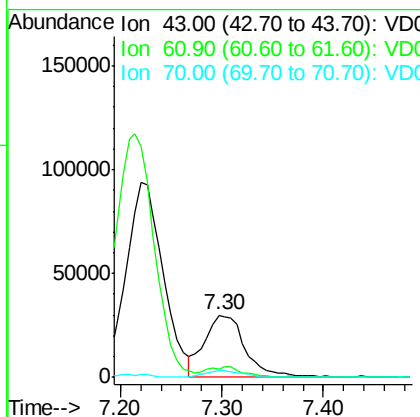
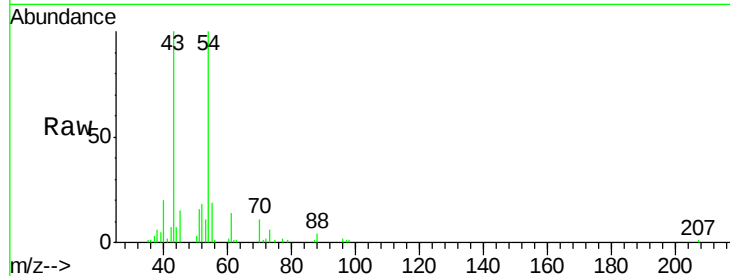
#37
Ethyl Acetate
Concen: 34.252 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.2	16.8
70	9.7	8.2	12.2

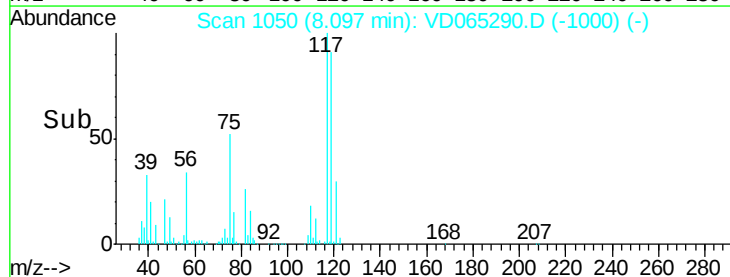
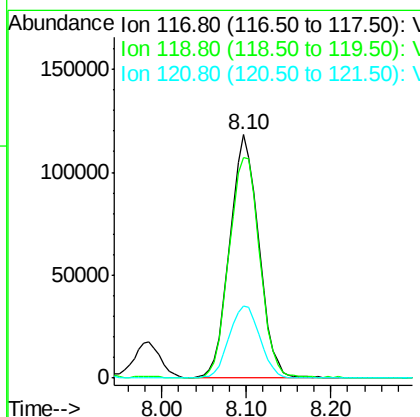
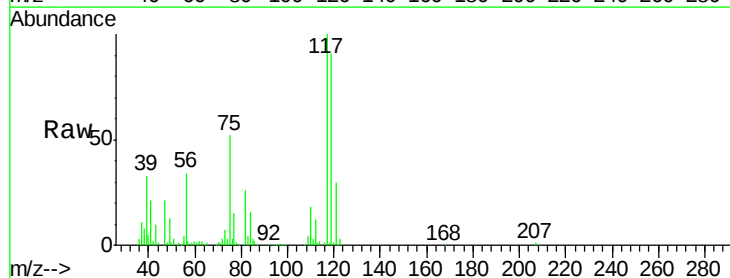
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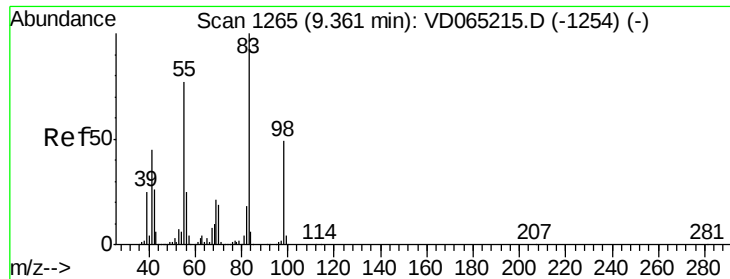
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#38
Carbon Tetrachloride
Concen: 47.821 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.8	77.6	116.4
121	29.7	24.8	37.2





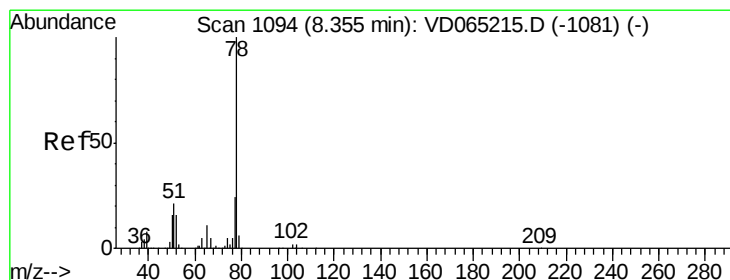
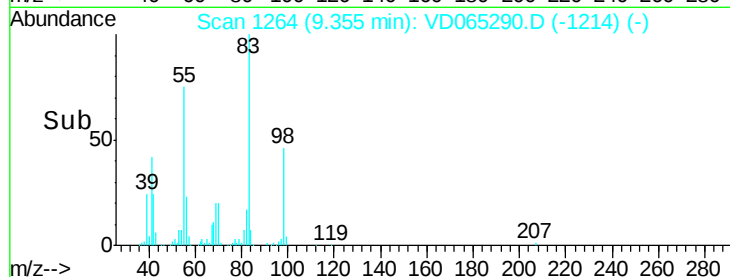
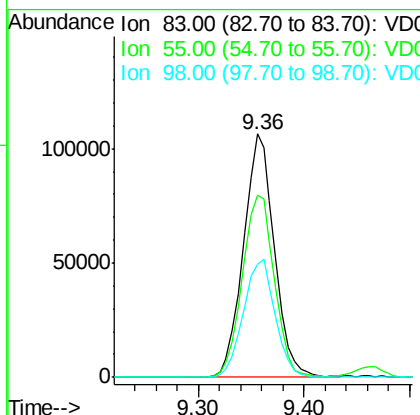
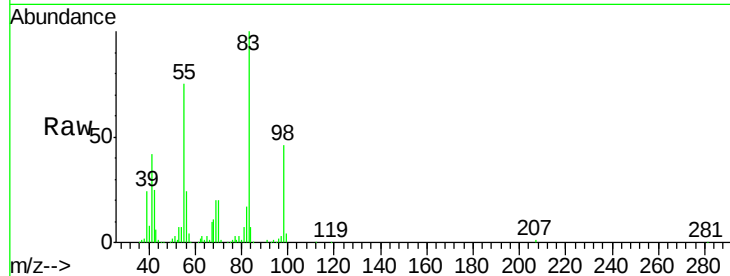
#39
Methvlcvclohexane
Concen: 32.025 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	216432		
55	74.8		61.8	92.6
98	46.4		39.4	59.0

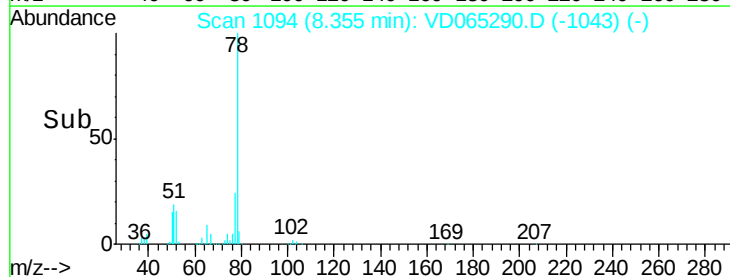
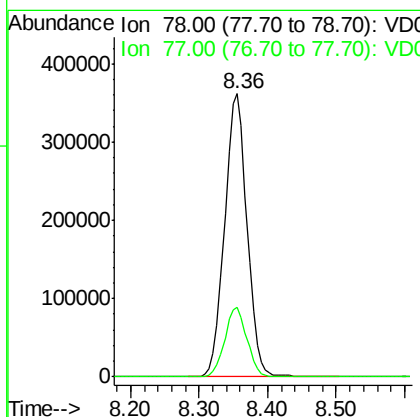
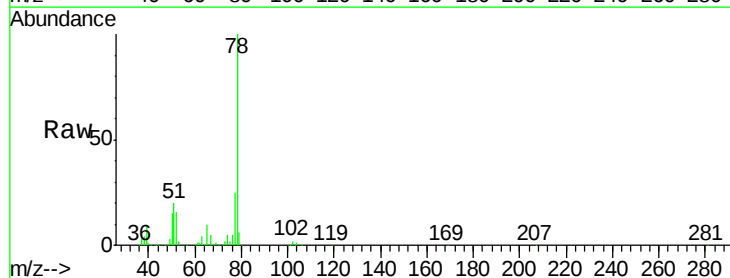
Manual Integrations
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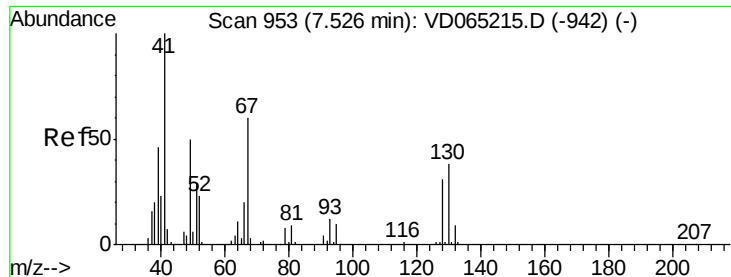
MMDadoda
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#40
Benzene
Concen: 50.440 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	818429		
77	24.5		19.0	28.6





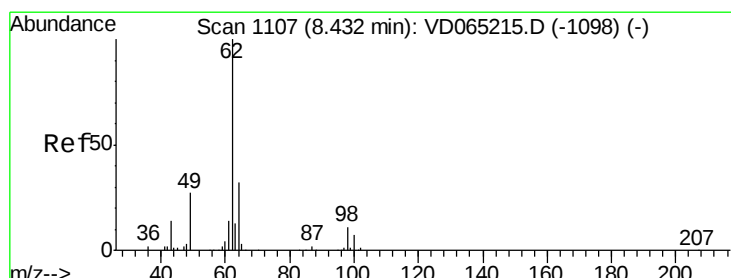
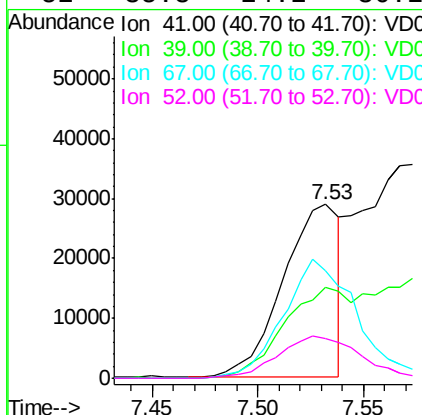
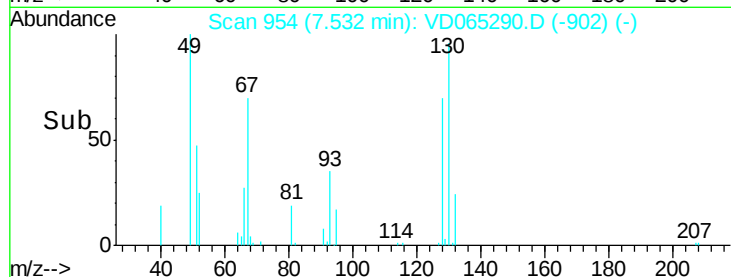
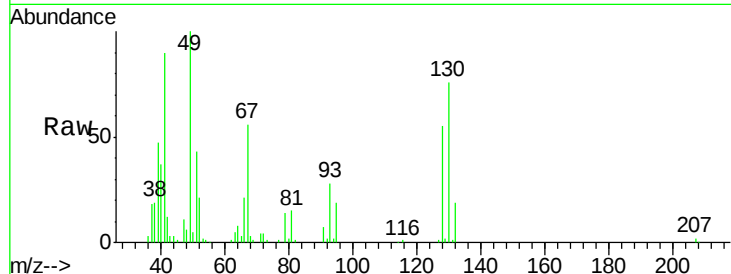
#41
Methacrylonitrile
Concen: 38.950 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.9	48.1	72.1
67	88.6	58.9	88.3
52	35.8	24.2	36.2

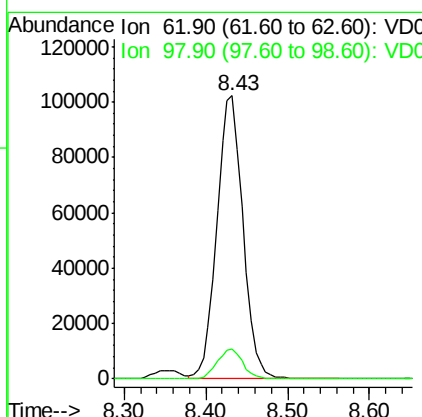
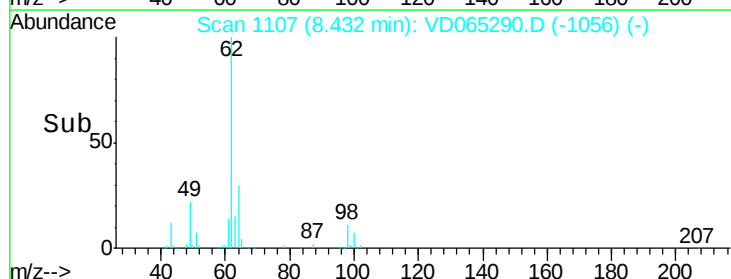
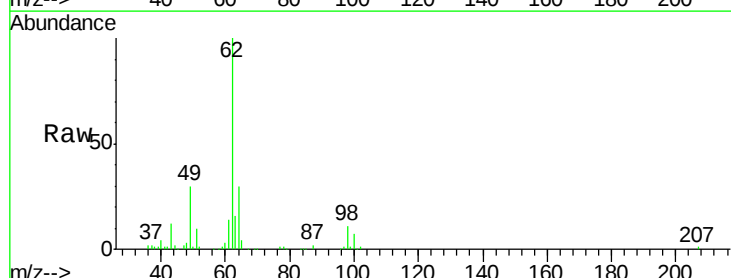
Manual Integrations
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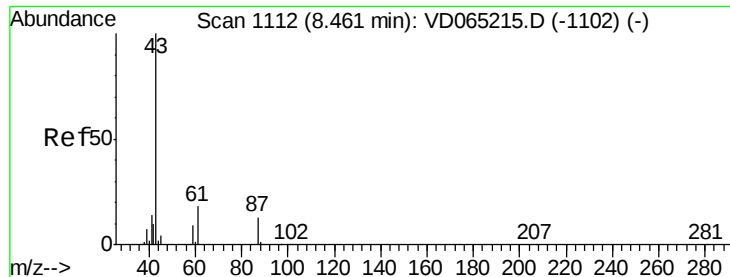
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.987 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 39.485 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

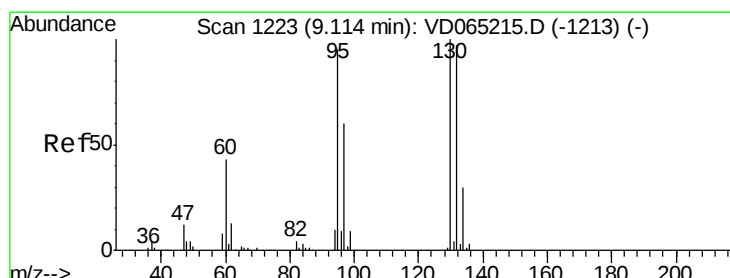
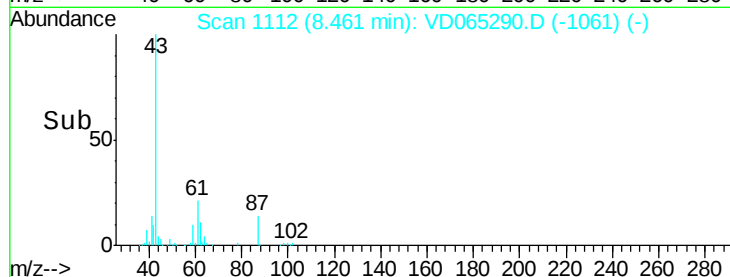
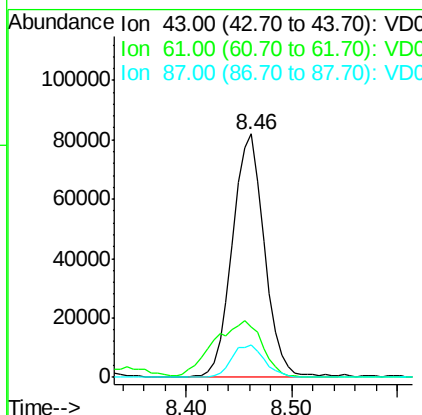
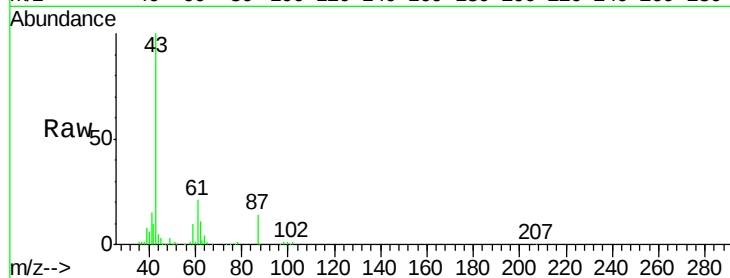
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	43	Resp:	172550
Ion	Ratio	Lower	Upper
43	100		
61	34.6	24.6	36.8
87	13.7	10.6	16.0

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2/25/2020 5:15:41 PM



#44

Trichloroethene

Concen: 46.582 ug/l

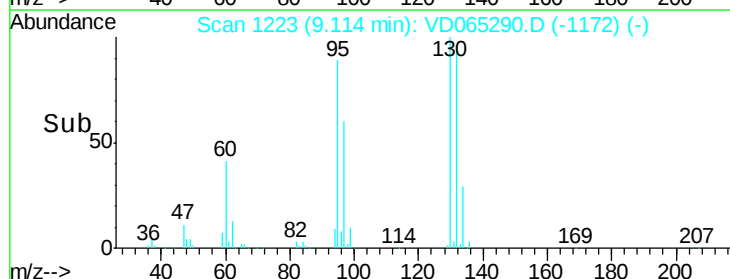
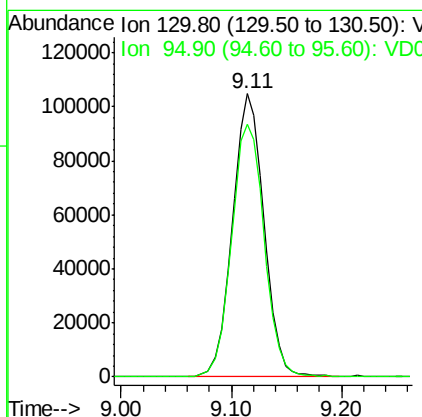
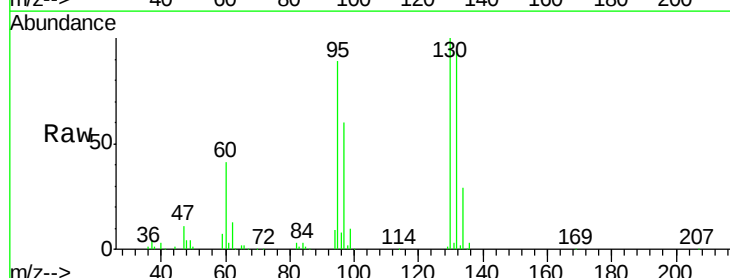
RT: 9.11 min Scan# 1223

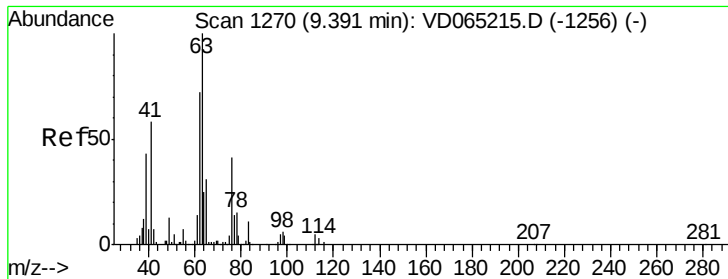
Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion:	130	Resp:	209511
Ion	Ratio	Lower	Upper
130	100		
95	89.1	0.0	190.6





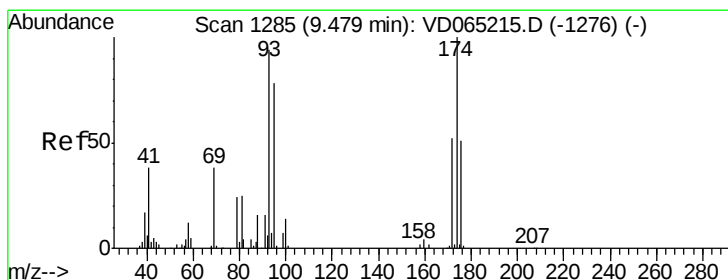
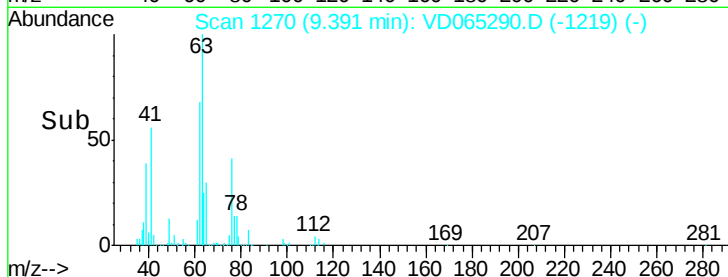
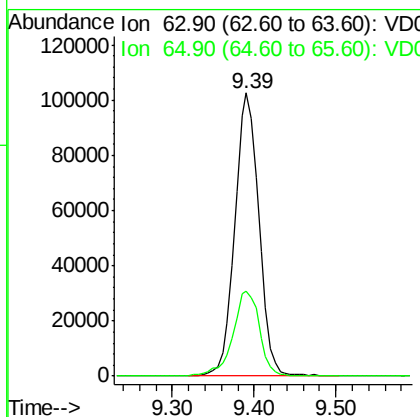
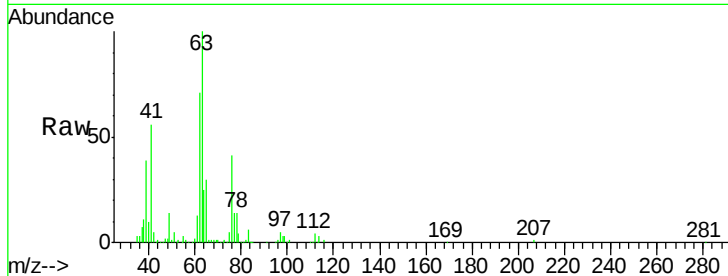
#45
 1,2-Dichloropropane
 Concen: 52.141 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.9	37.3

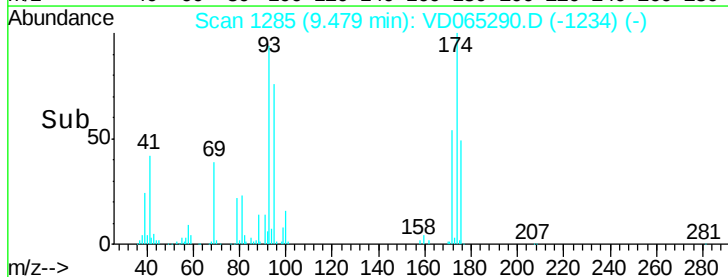
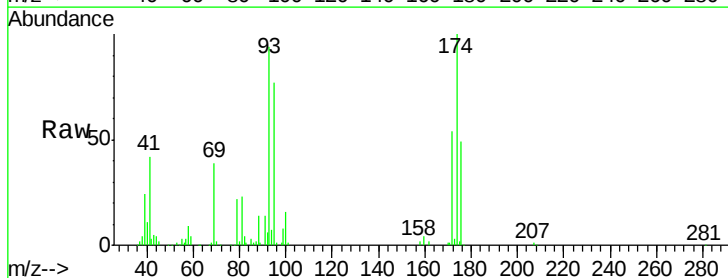
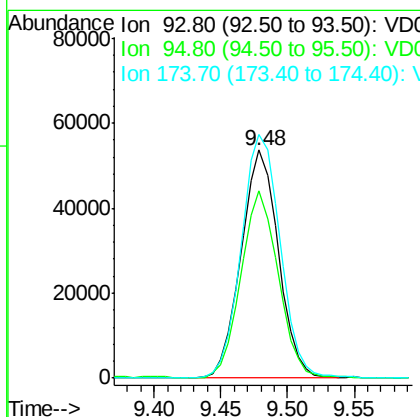
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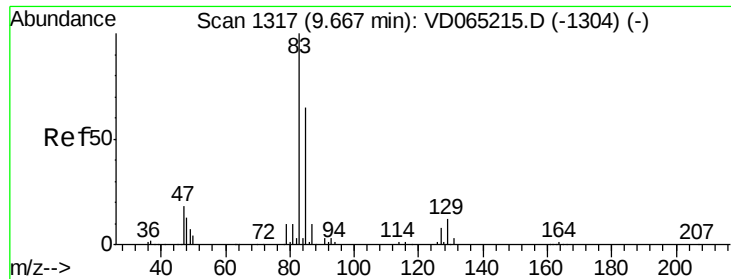
MMDadoda
 2/25/2020 5:15:41 PM



#46
 Dibromomethane
 Concen: 50.088 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.8	98.6
174	111.4	86.8	130.2





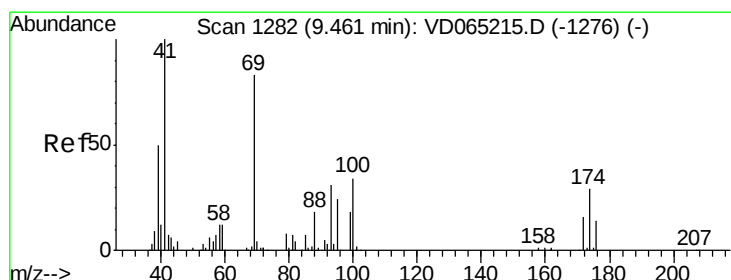
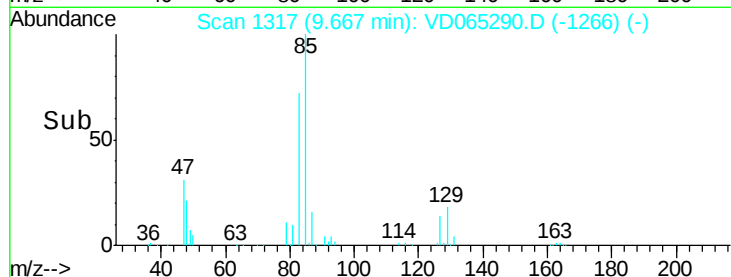
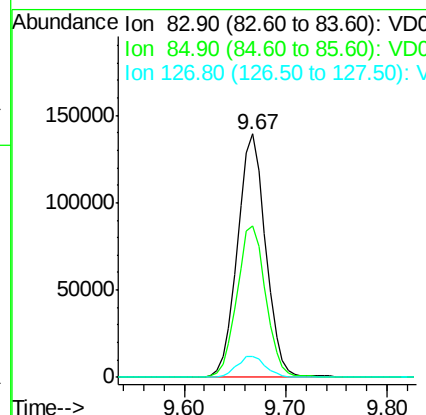
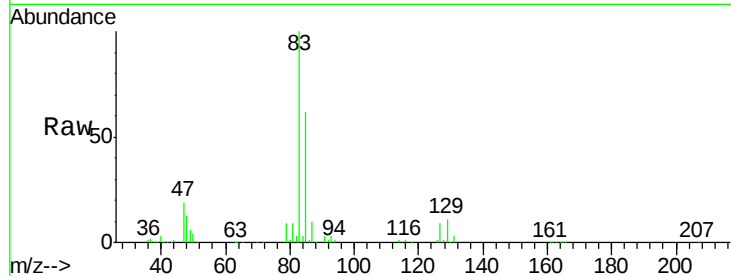
#47
Bromodichloromethane
Concen: 49.242 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	269391		
85	62.1	52.0	78.0	
127	8.5	6.7	10.1	

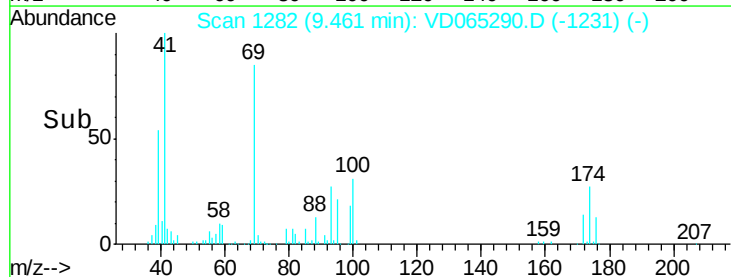
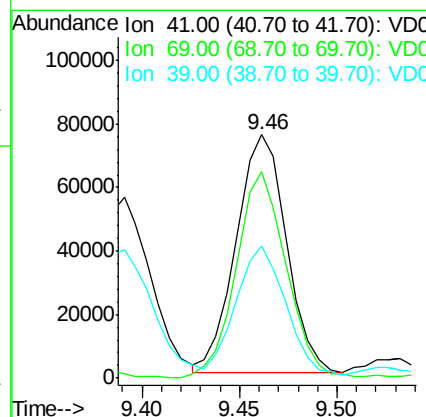
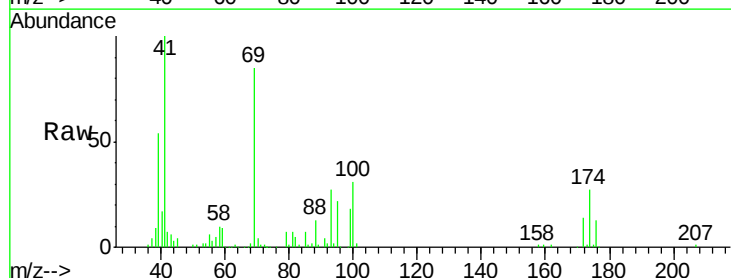
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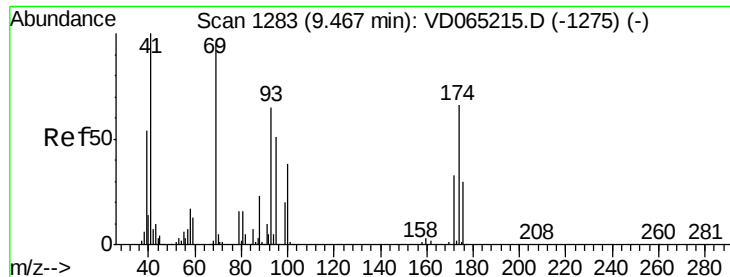
MMDadoda
2/25/2020 5:15:41 PM



#48
Methyl methacrylate
Concen: 65.999 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	133316		
69	86.3	68.2	102.2	
39	56.1	42.0	63.0	





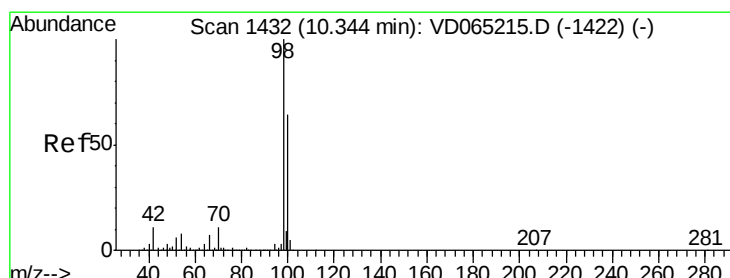
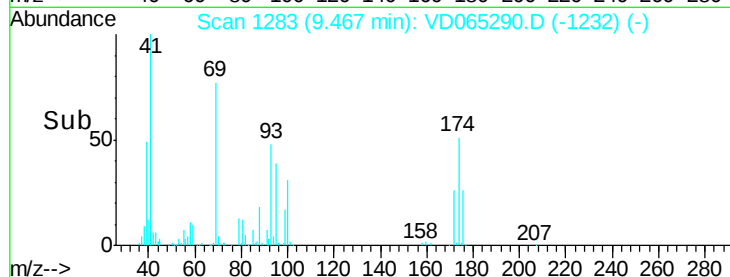
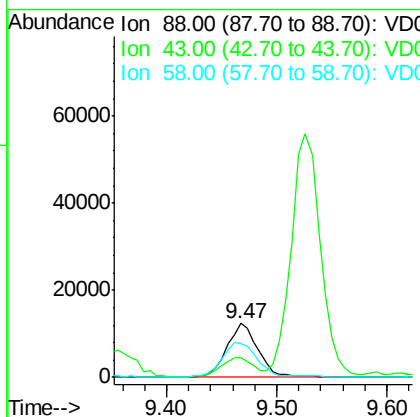
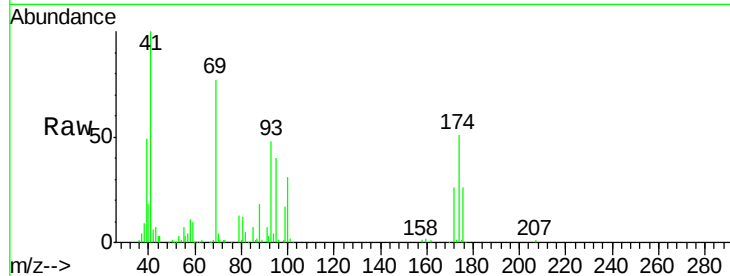
#49
1,4-Dioxane
Concen: 1007.829 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	88	Resp	24538
Ion	Ratio	Lower	Upper
88	100		
43	40.2	28.5	42.7
58	72.7	58.6	87.8

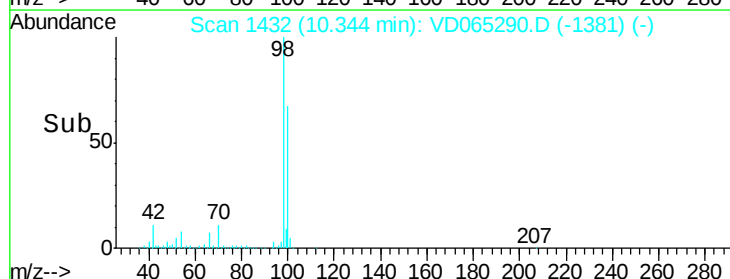
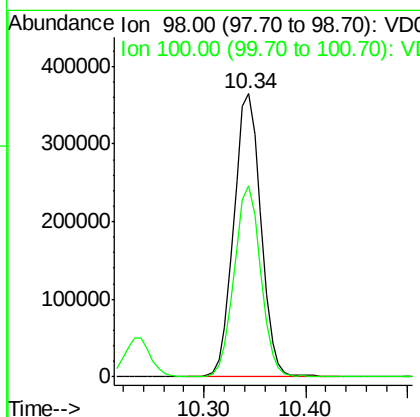
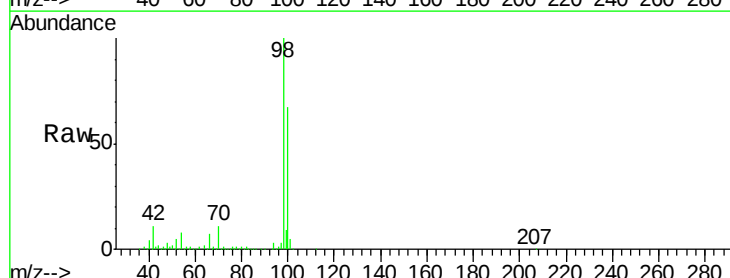
Manual Integrations
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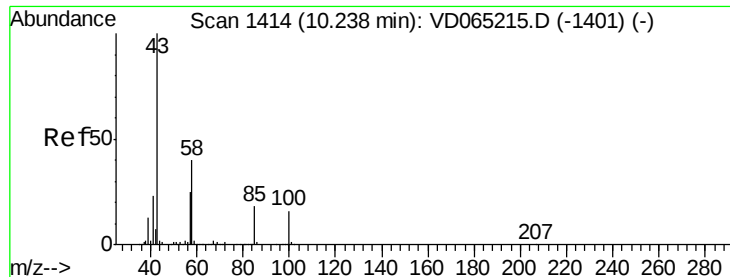
MMDadoda
2/25/2020 5:15:41 PM



#50
Toluene-d8
Concen: 49.264 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	98	Resp	678432
Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 249.862 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 43 Resp: 554595

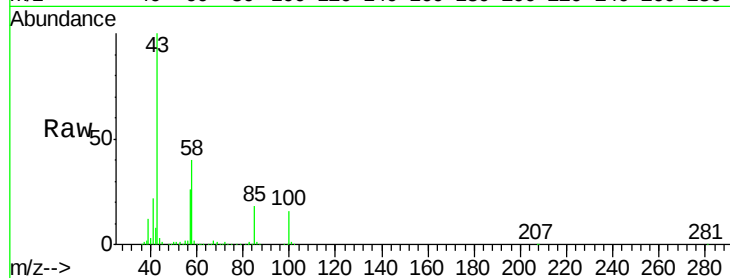
Ion Ratio Lower Upper

43 100

58 39.4 31.1 46.7

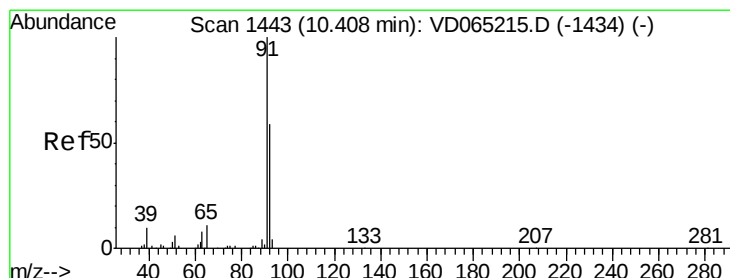
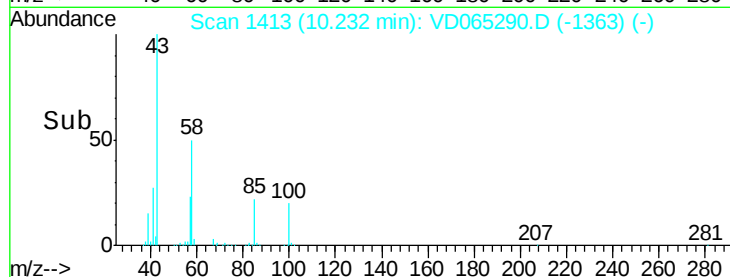
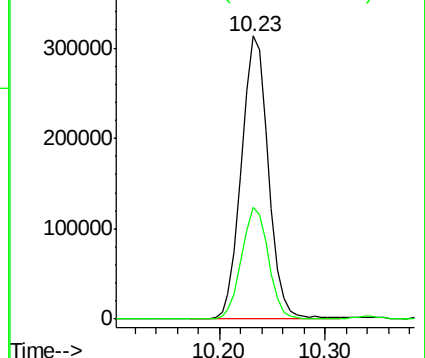
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 47.779 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065290.D

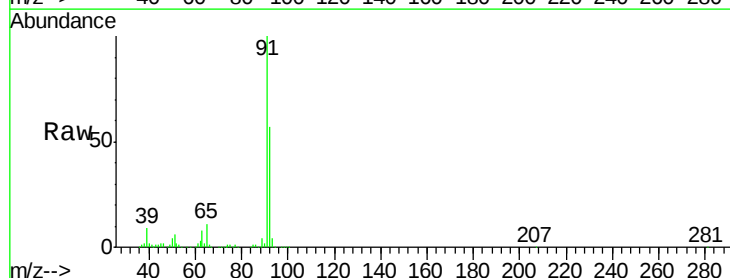
Acq: 24 Feb 2020 13:05

Tgt Ion: 92 Resp: 479866

Ion Ratio Lower Upper

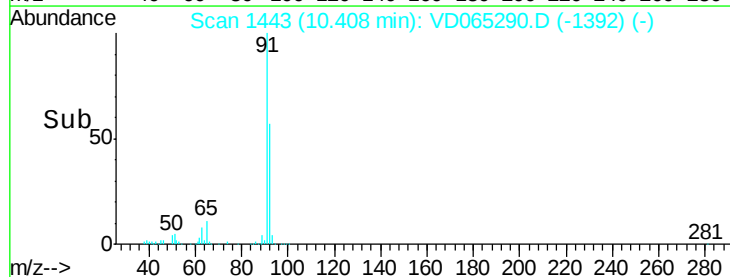
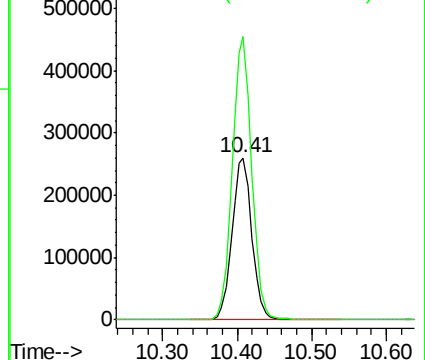
92 100

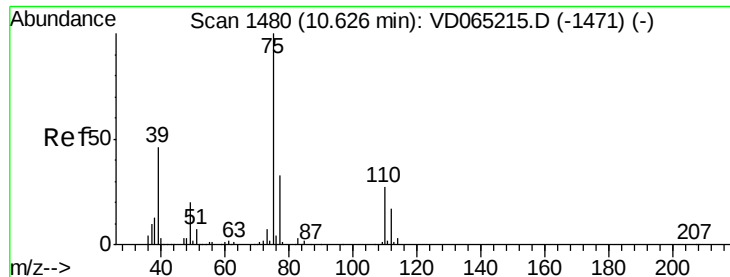
91 171.3 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





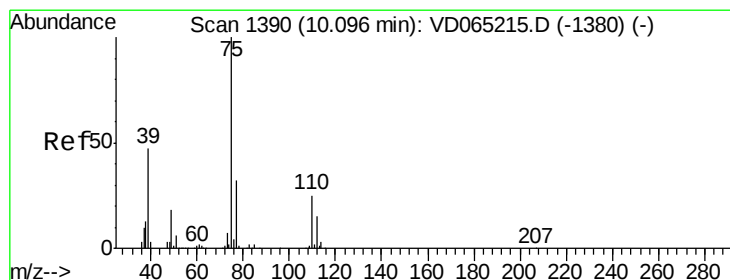
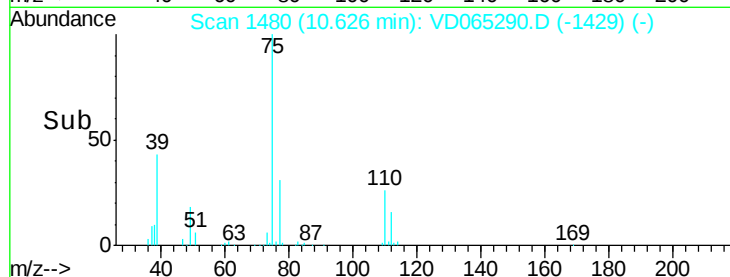
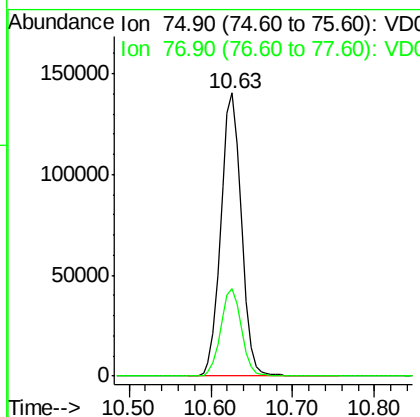
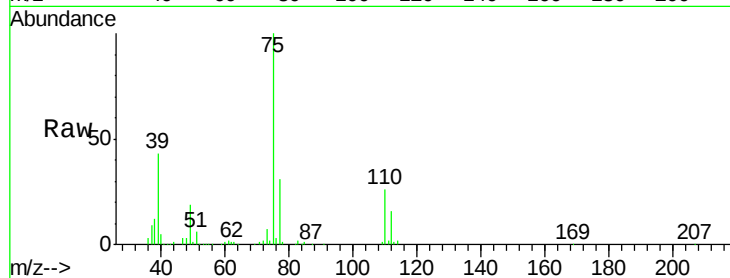
#53
 t-1,3-Dichloropropene
 Concen: 48.592 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Tot Ion: 75 Resp: 246407
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.6 40.0

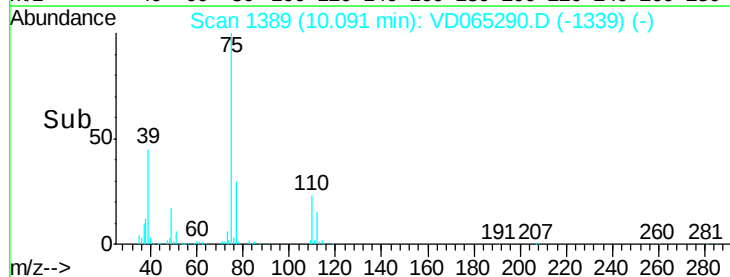
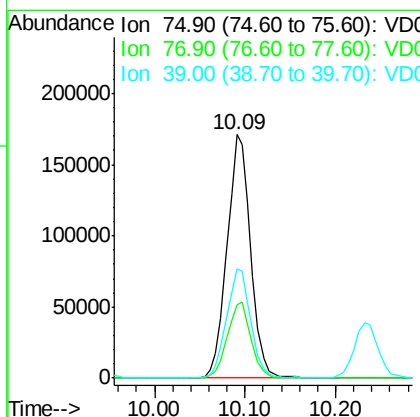
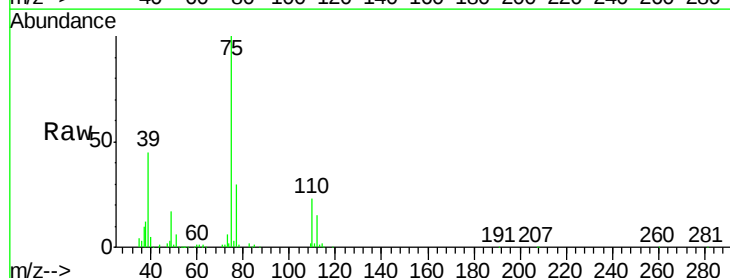
Manual Integrations
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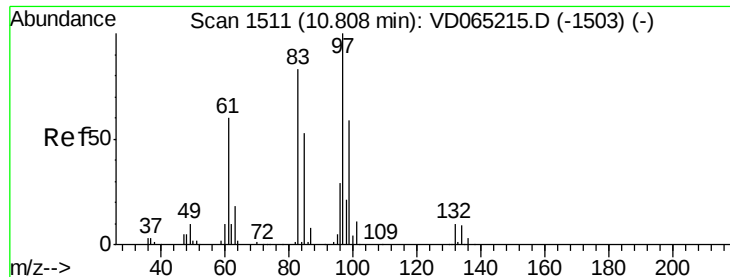
MMDadoda
 2/25/2020 5:15:41 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.361 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion: 75 Resp: 308381
 Ion Ratio Lower Upper
 75 100
 77 30.4 25.8 38.8
 39 44.7 37.3 55.9





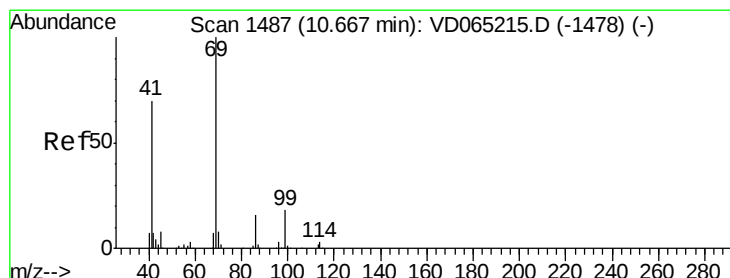
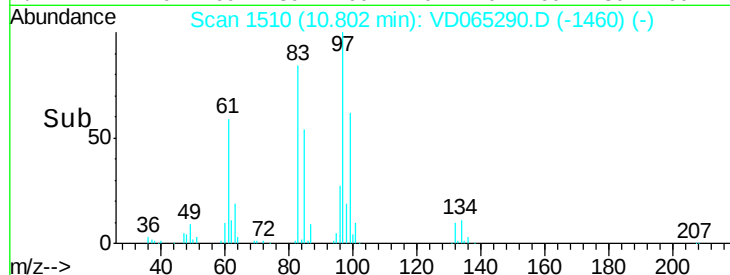
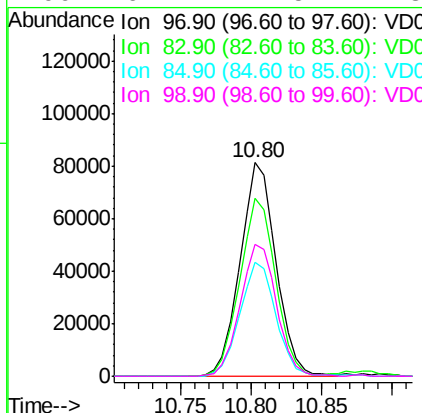
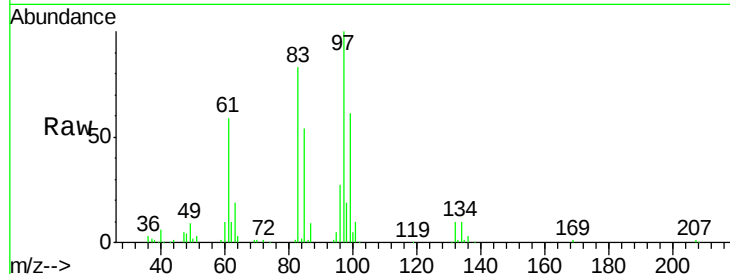
#55
 1,1,2-Trichloroethane
 Concen: 49.586 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		144882		
83	83.3	66.7	100.1		
85	53.5	42.4	63.6		
99	61.4	47.5	71.3		

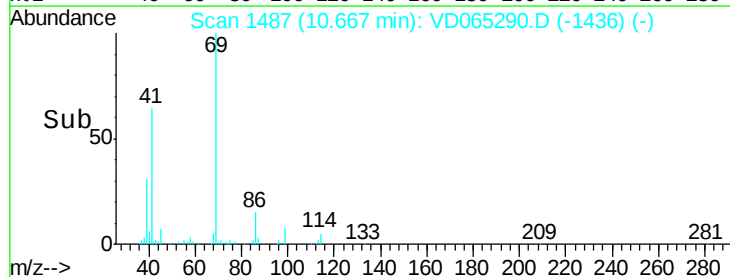
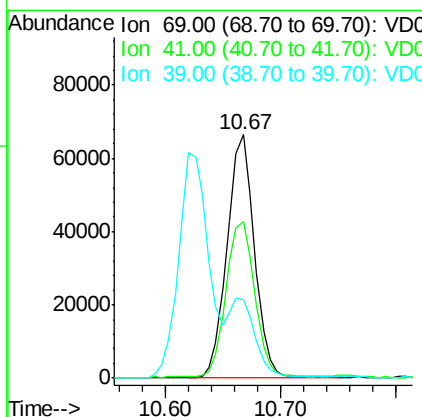
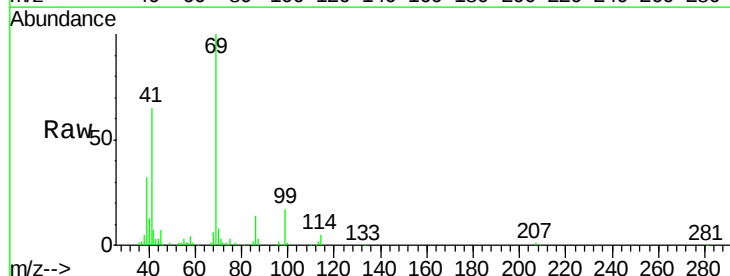
Manual Integrations
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 2/25/2020 5:15:41 PM



#56
 Ethyl methacrylate
 Concen: 32.574 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		109855		
41	69.1	54.6	81.8		
39	30.9	26.5	39.7		





#57

1,3-Dichloropropane

Concen: 49.374 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 76 Resp: 245535

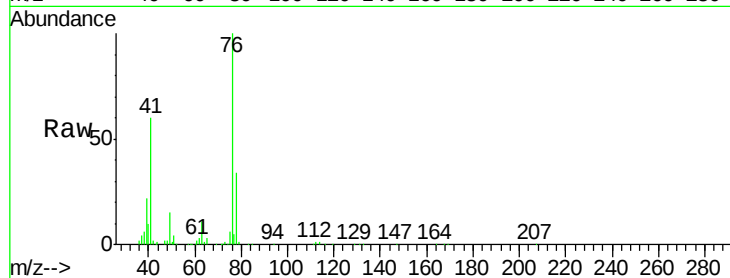
Ion Ratio Lower Upper

76 100

78 33.0 26.3 39.5

Manual Integrations
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MMDadoda
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

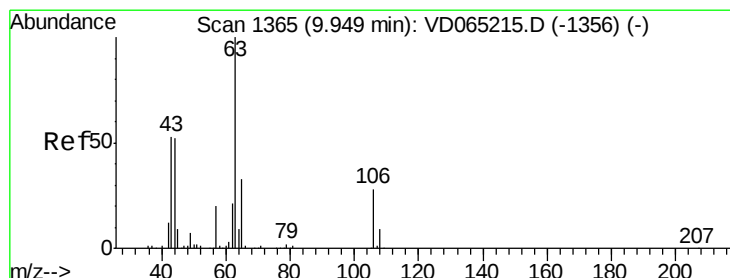
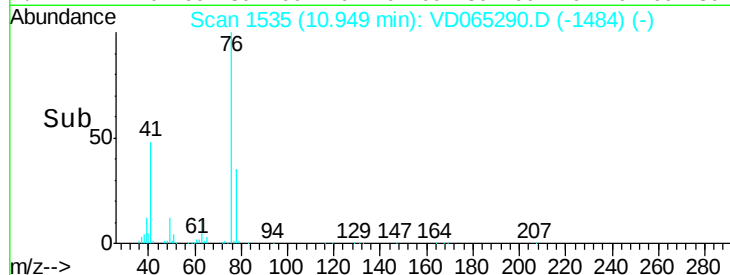
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 216.044 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065290.D

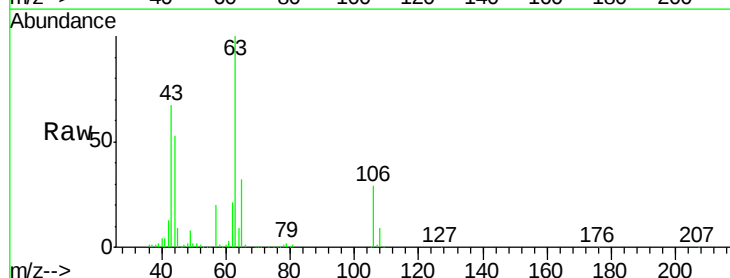
Acq: 24 Feb 2020 13:05

Tgt Ion: 63 Resp: 229708

Ion Ratio Lower Upper

63 100

106 29.0 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

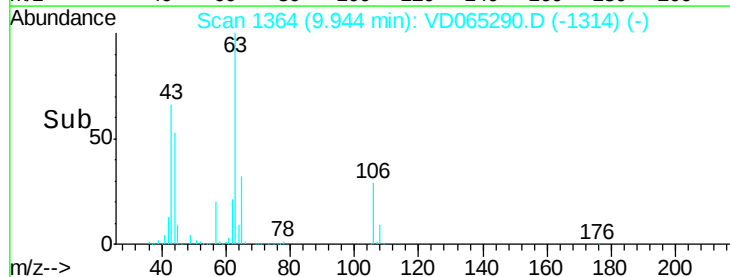
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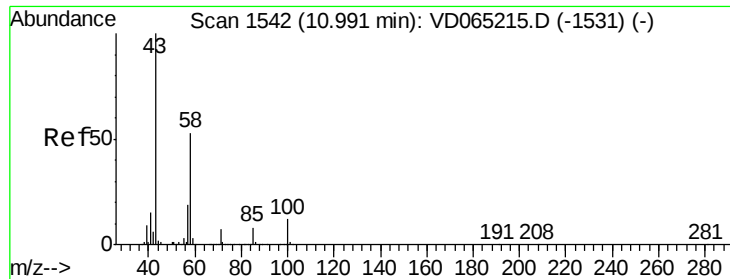
100000

50000

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Time-->





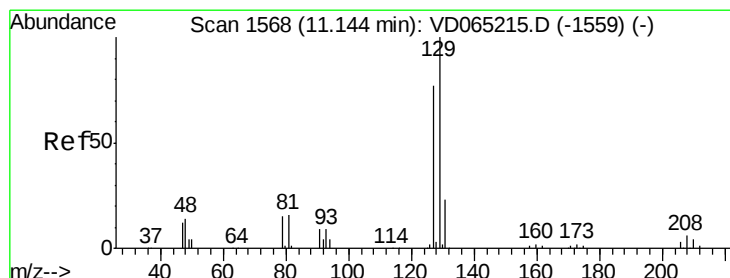
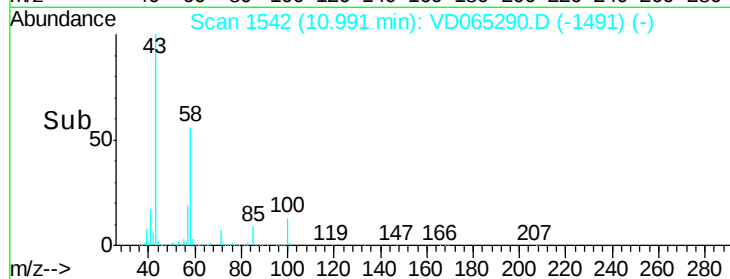
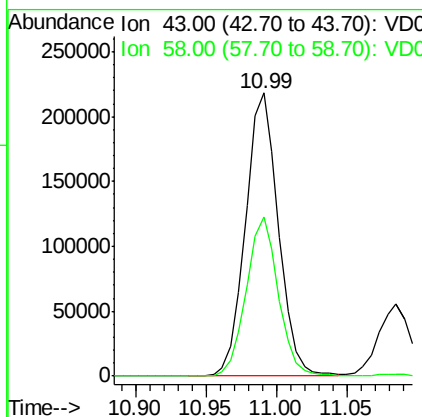
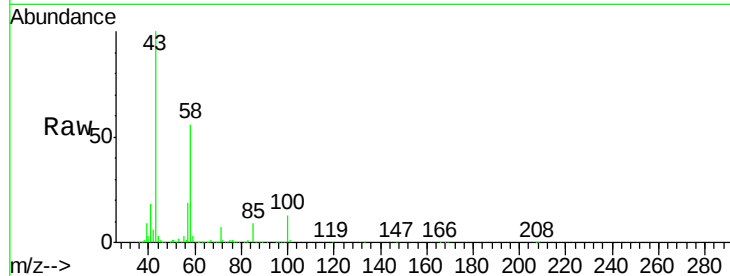
#59
2-Hexanone
Concen: 225.020 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	26.3	78.8

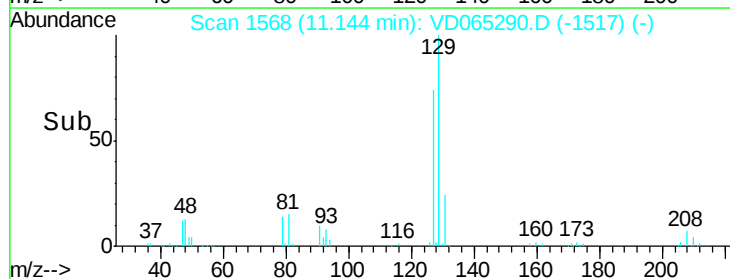
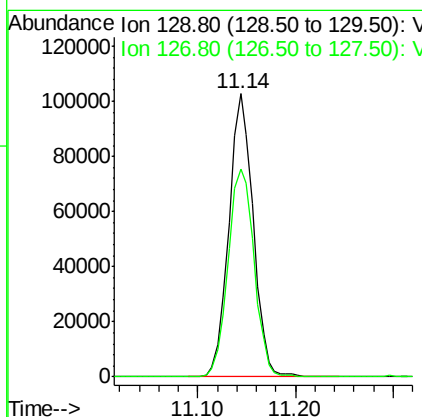
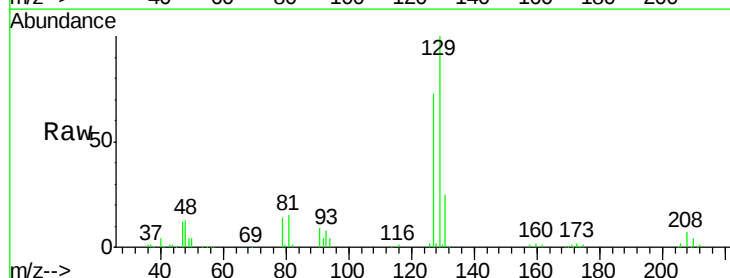
Manual Integrations
APPROVED

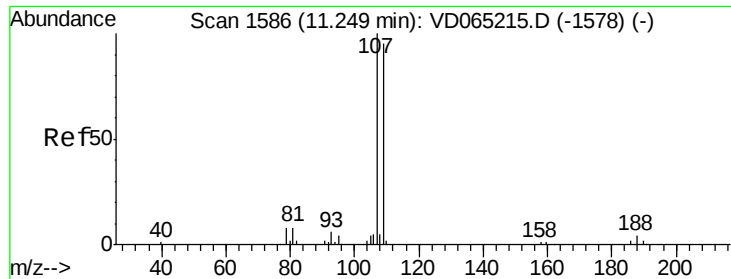
MMDadoda
2/25/2020 5:15:41 PM



#60
Dibromochloromethane
Concen: 47.491 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	38.7	116.1





#61

1,2-Dibromoethane

Concen: 48.289 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 107 Resp: 133589

Ion Ratio Lower Upper

107 100

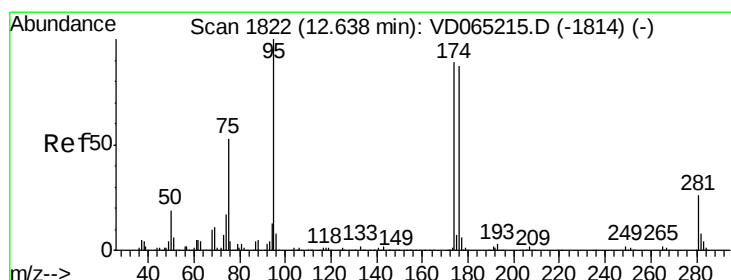
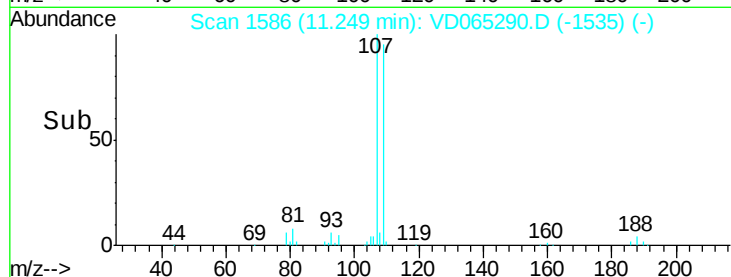
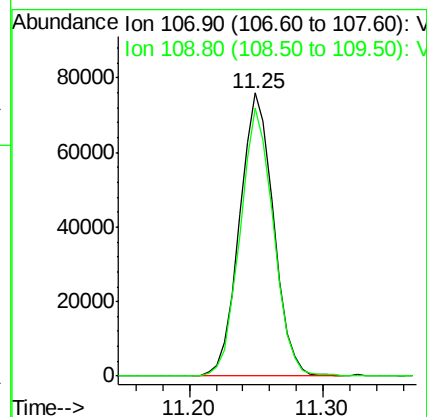
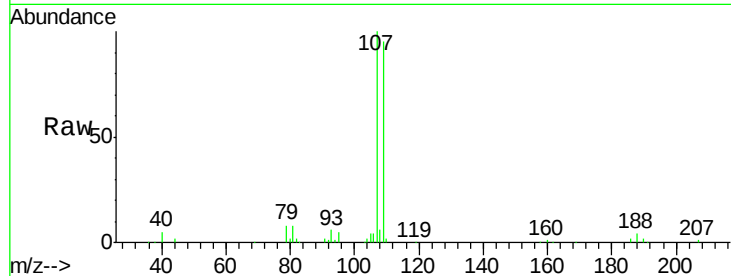
109 93.1 76.2 114.4

Manual Integrations

APPROVED

MMDadoda

2/25/2020 5:15:41 PM



#62

4-Bromofluorobenzene

Concen: 35.377 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

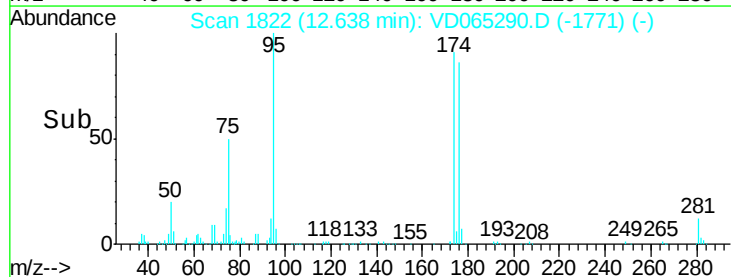
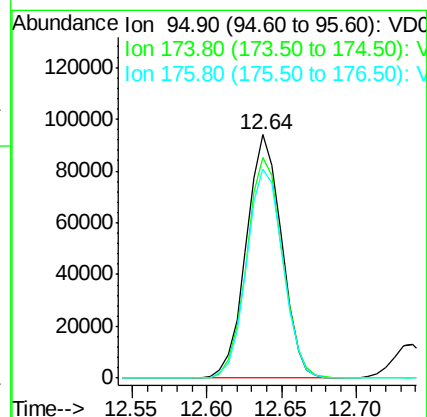
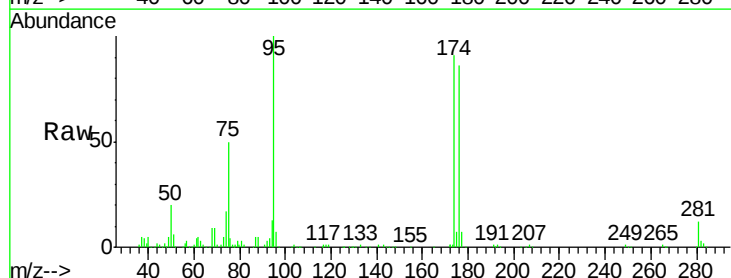
Tgt Ion: 95 Resp: 154337

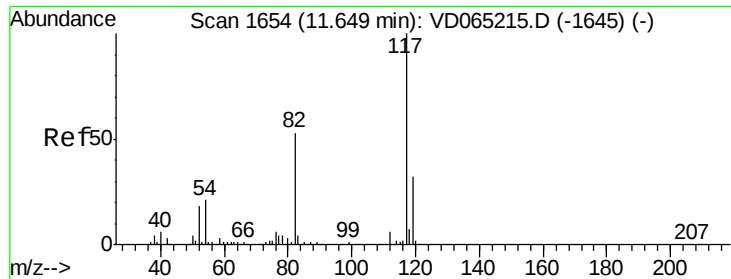
Ion Ratio Lower Upper

95 100

174 91.3 0.0 178.0

176 87.9 0.0 174.4





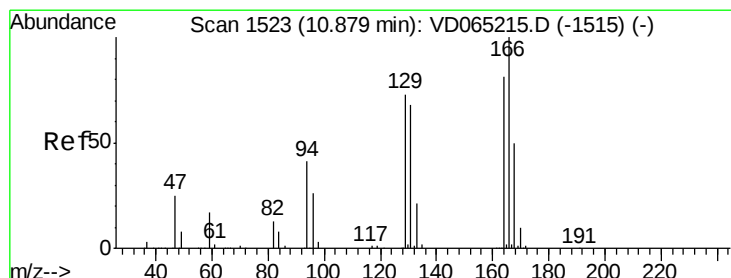
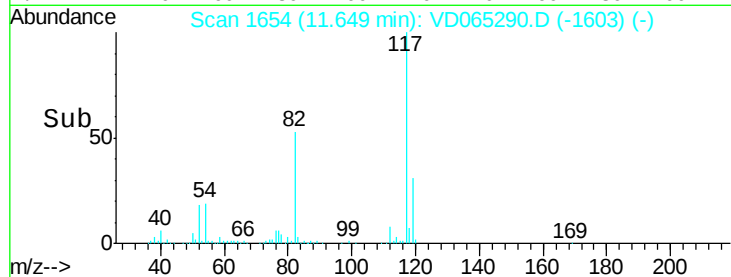
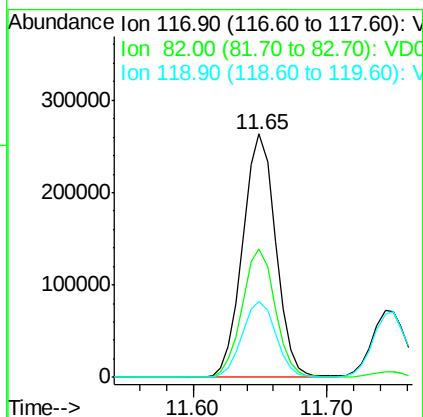
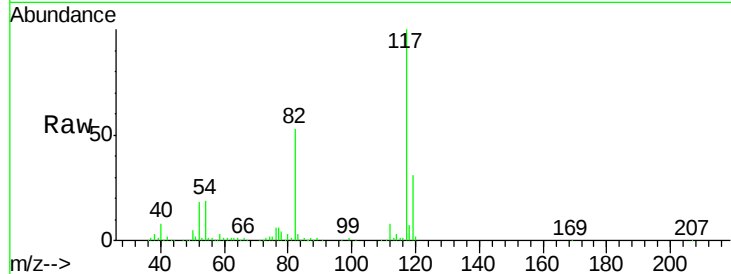
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.7	64.1
119	31.2	25.5	38.3

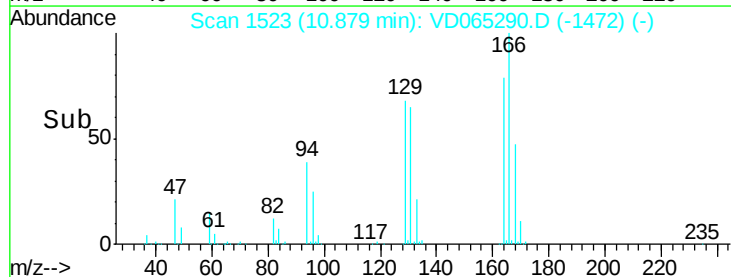
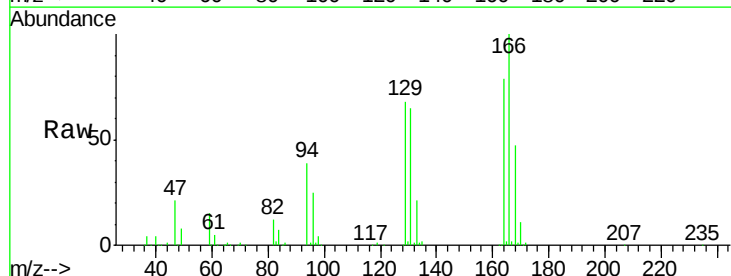
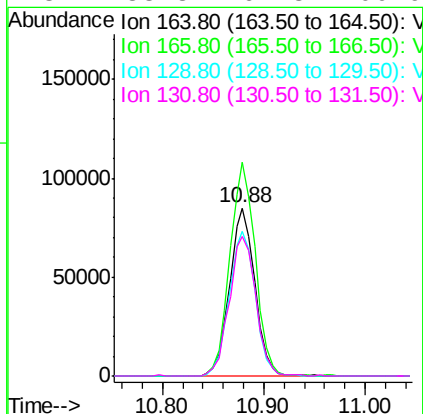
Manual Integrations
APPROVED

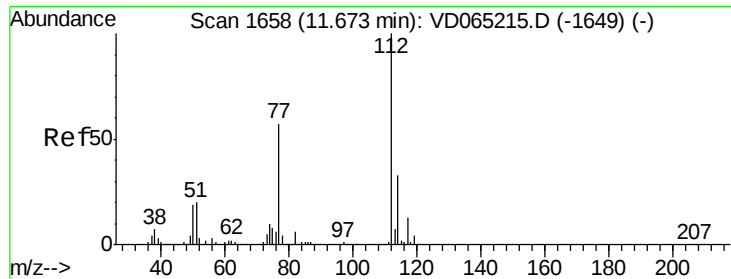
MMDadoda
2/25/2020 5:15:41 PM



#64
Tetrachloroethene
Concen: 45.764 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	98.4	147.6
129	86.0	71.6	107.4
131	83.3	67.3	100.9





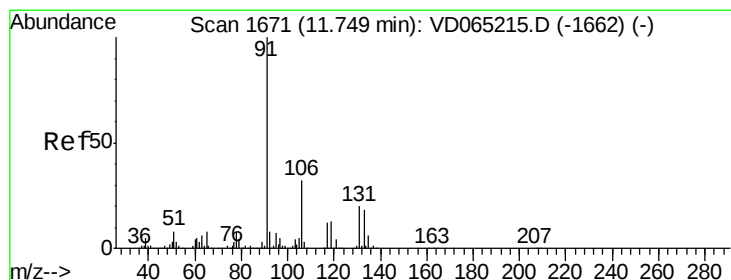
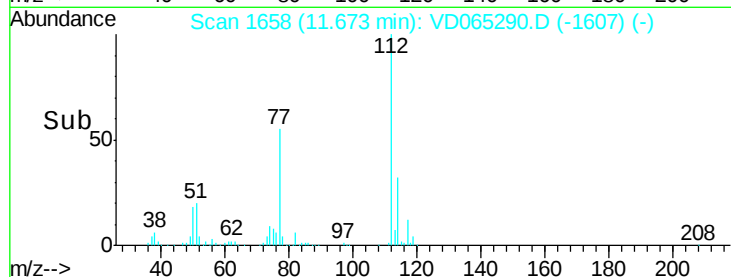
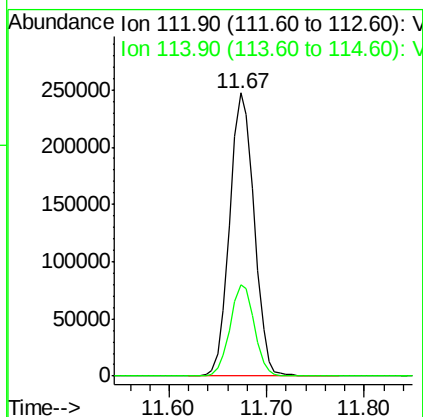
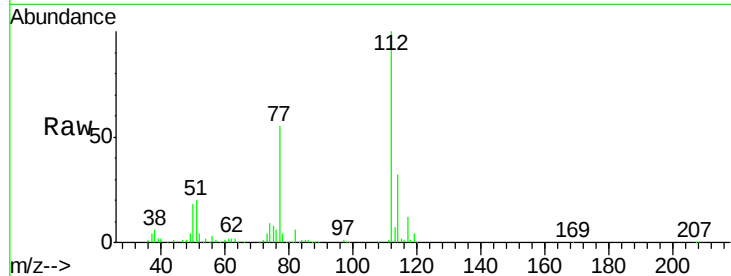
#65
Chlorobenzene
Concen: 47.622 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion:112 Resp: 431327
Ion Ratio Lower Upper
112 100
114 32.3 26.4 39.6

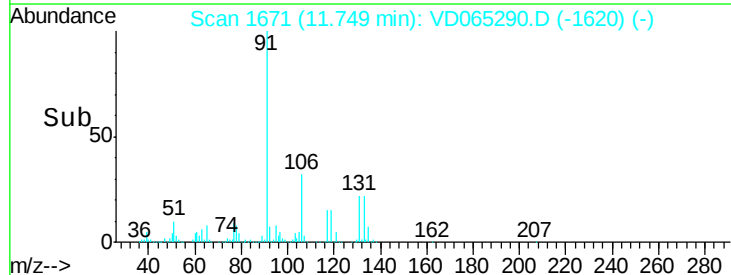
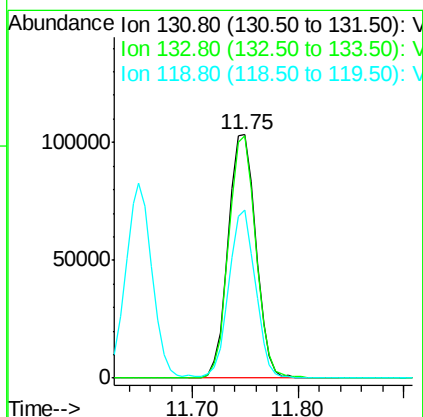
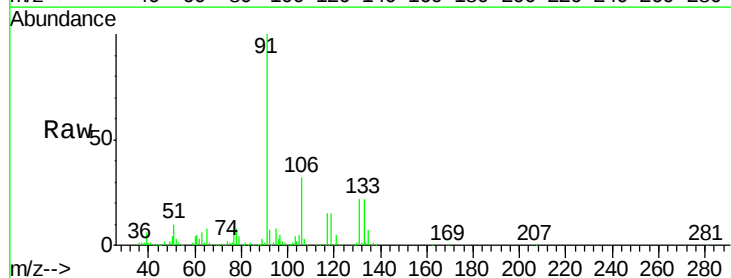
Manual Integrations
APPROVED

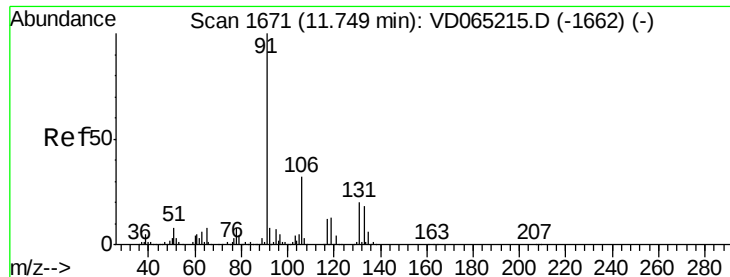
MMDadoda
2/25/2020 5:15:41 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.271 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion:131 Resp: 186813
Ion Ratio Lower Upper
131 100
133 97.2 47.7 143.1
119 66.7 32.7 98.1





#67

Ethyl Benzene

Concen: 48.260 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 91 Resp: 765540

Ion Ratio Lower Upper

91 100

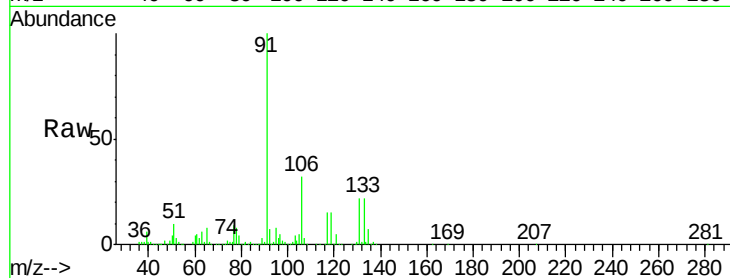
106 31.8 25.2 37.8

Manual Integrations

APPROVED

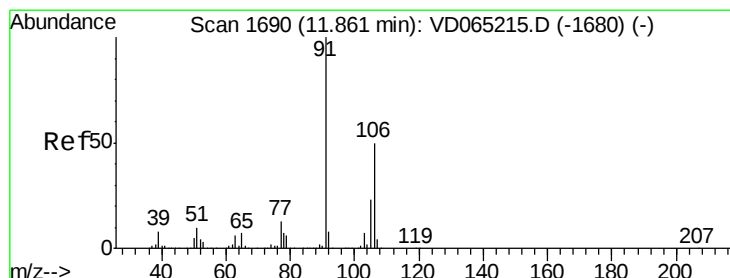
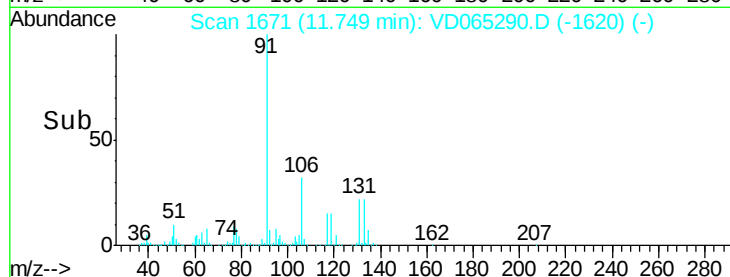
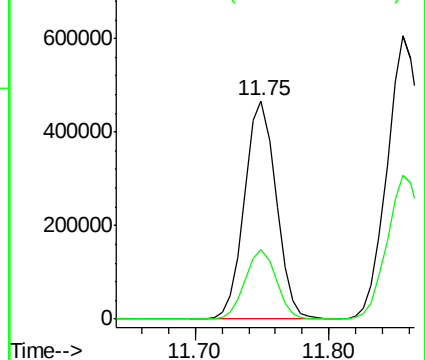
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 95.896 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065290.D

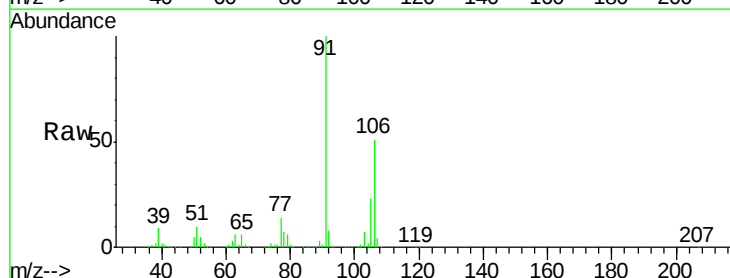
Acq: 24 Feb 2020 13:05

Tgt Ion: 106 Resp: 581994

Ion Ratio Lower Upper

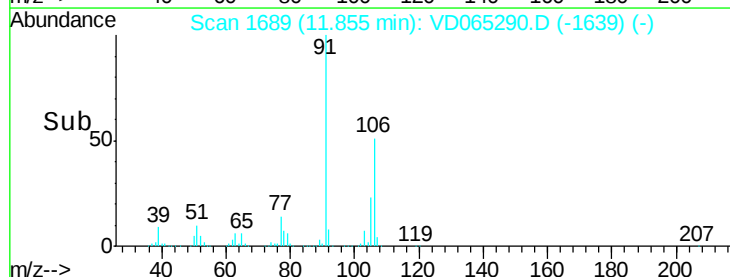
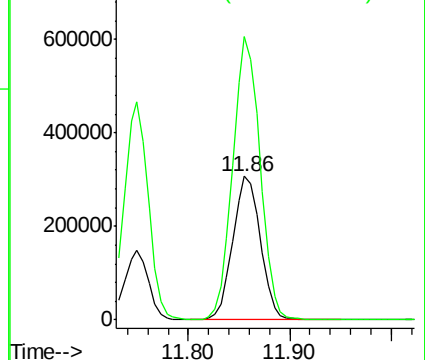
106 100

91 194.8 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





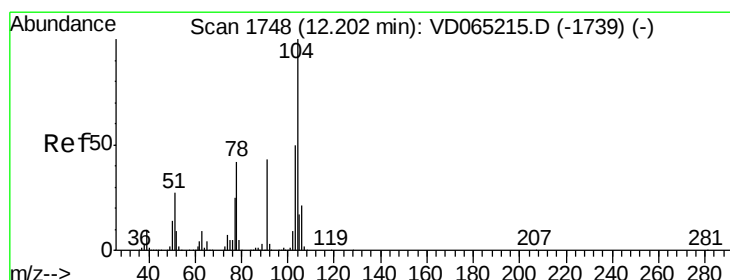
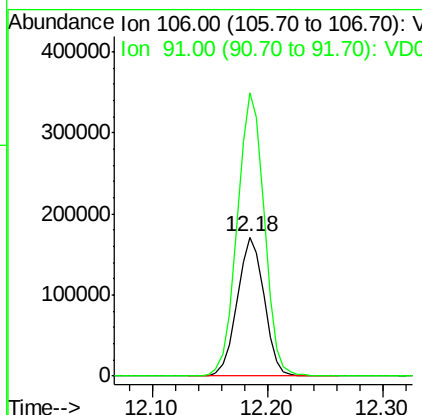
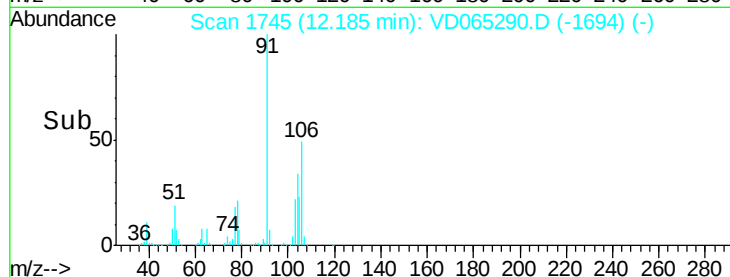
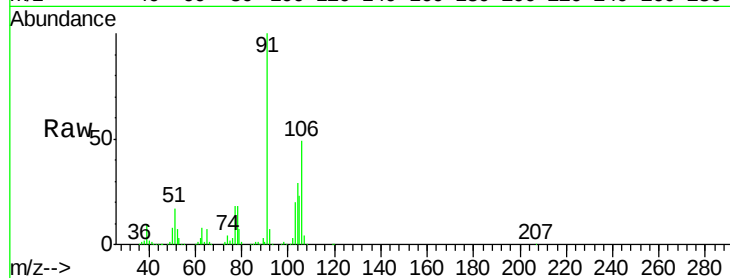
#69
o-Xylene
Concen: 51.464 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.3	104.7	313.9

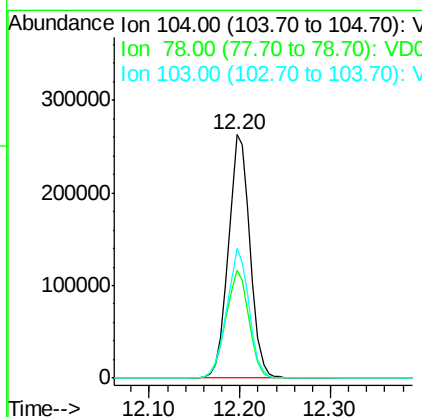
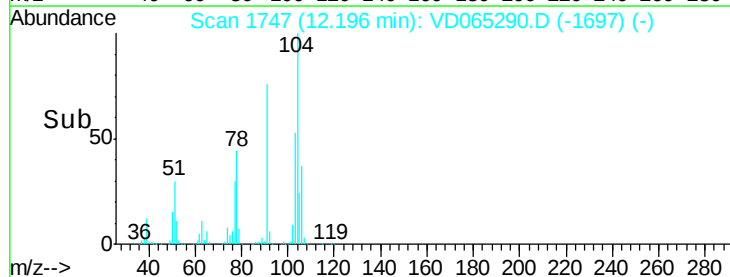
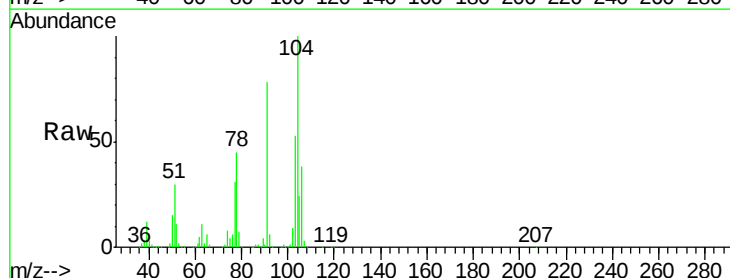
Manual Integrations
APPROVED

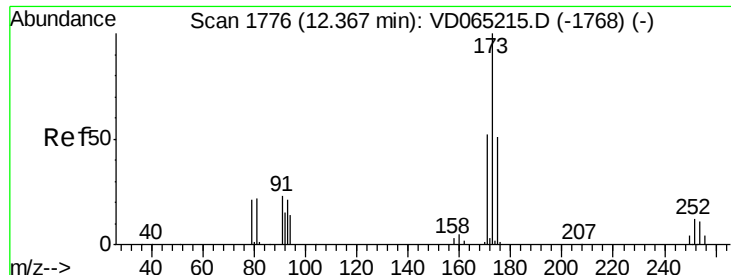
MMDadoda
2/25/2020 5:15:41 PM



#70
Styrene
Concen: 45.660 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.3	37.8	56.6
103	54.9	43.4	65.2





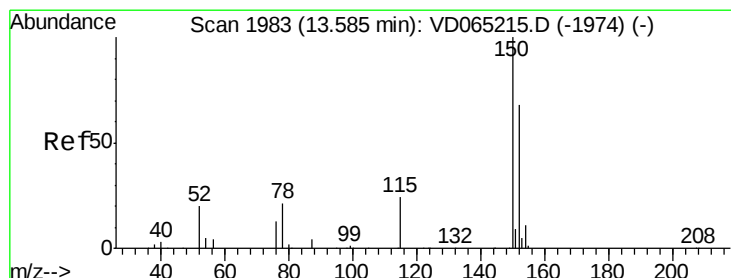
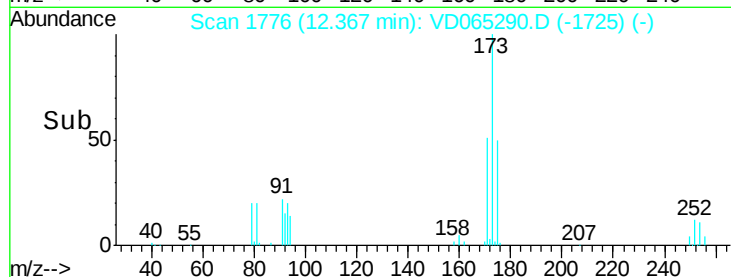
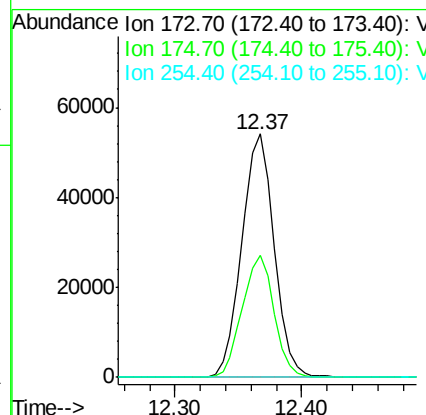
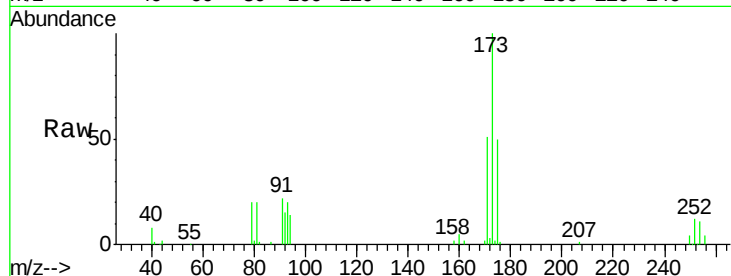
#71
Bromoform
Concen: 51.041 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.4
254	0.0	0.0	0.0

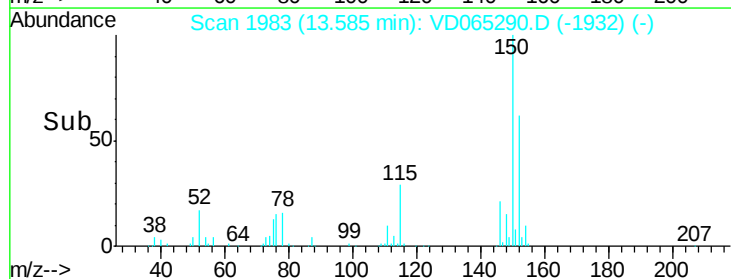
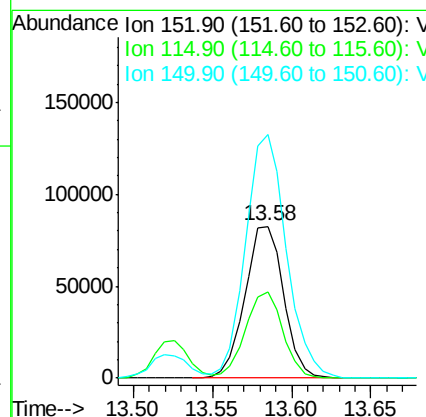
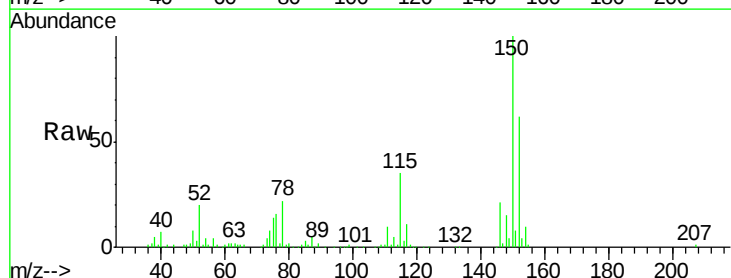
Manual Integrations
APPROVED

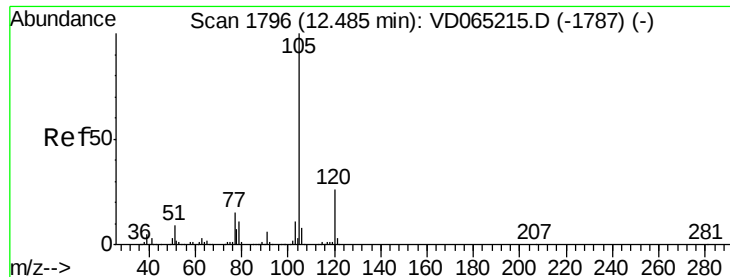
MMDadoda
2/25/2020 5:15:41 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.6	82.8
150	170.3	0.0	347.4





#73

Isopropylbenzene

Concen: 69.409 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 105 Resp: 639972

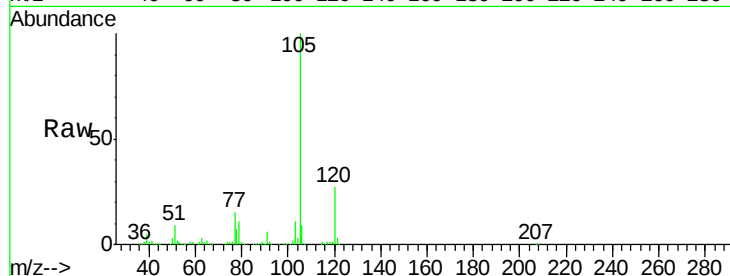
Ion Ratio Lower Upper

105 100

120 27.0 13.3 39.9

Manual Integrations
APPROVED

MMDadoda
2/25/2020 5:15:41 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

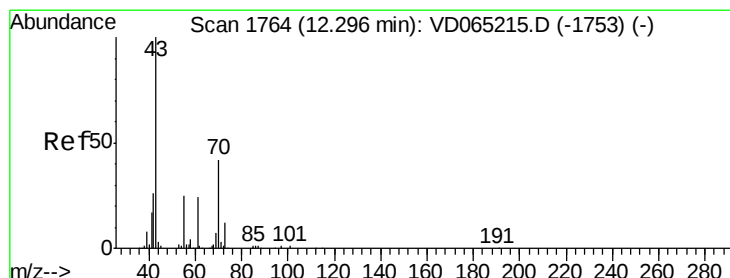
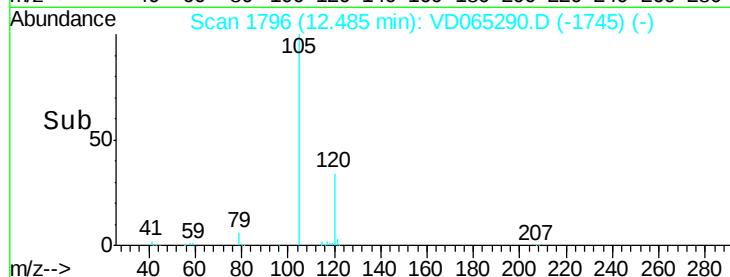
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 26.858 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion: 43 Resp: 55027

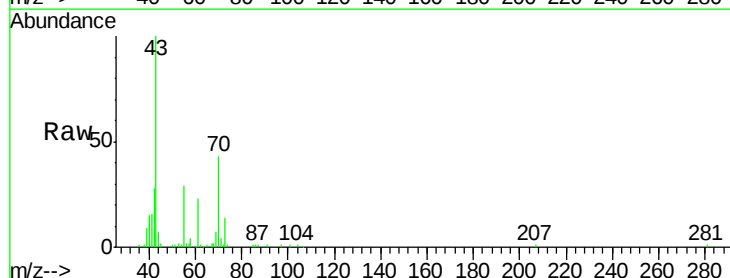
Ion Ratio Lower Upper

43 100

70 44.5 33.7 50.5

55 27.7 20.7 31.1

61 23.8 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

50000

40000

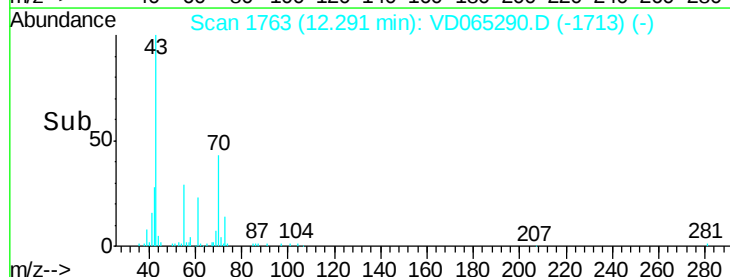
30000

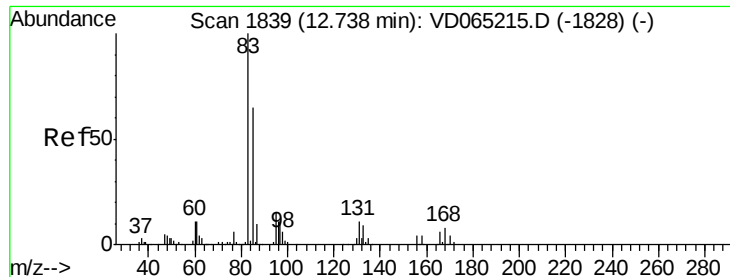
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 83.027 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

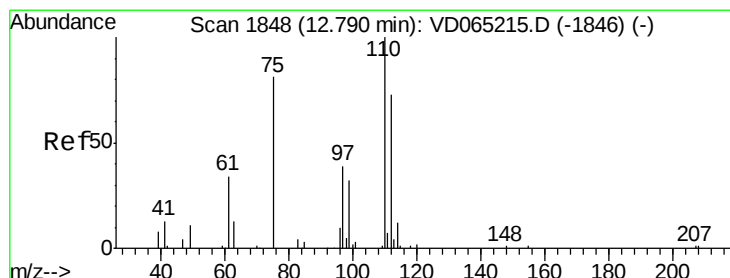
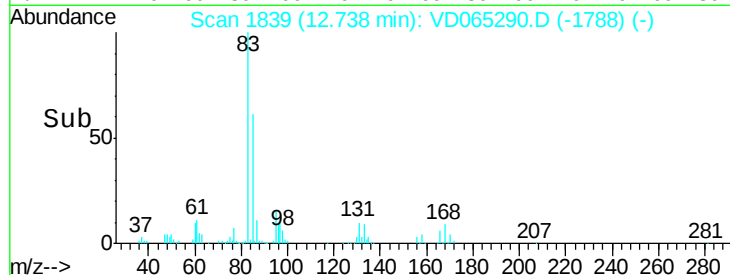
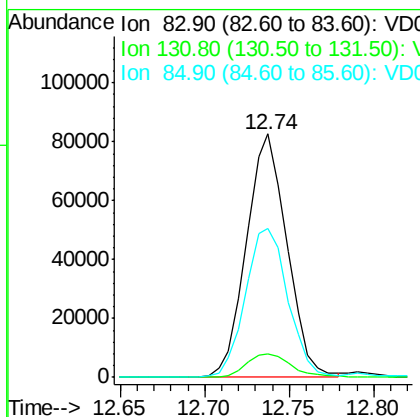
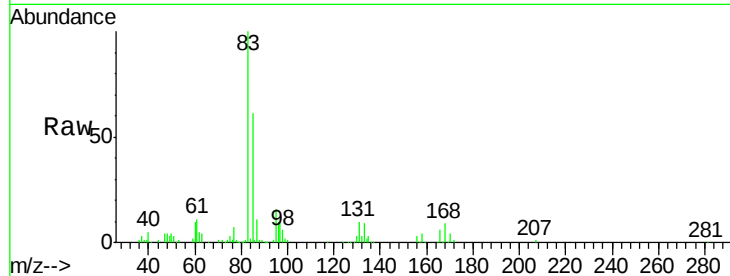
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	83	Resp:	138162
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.4	16.2
85	64.2	31.6	94.8

Manual Integrations
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2/25/2020 5:15:41 PM



#76

1,2,3-Trichloropropane

Concen: 90.126 ug/l m

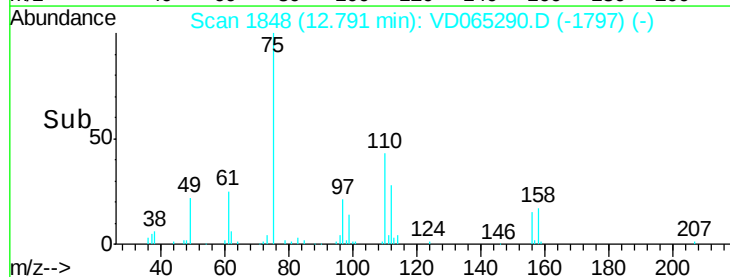
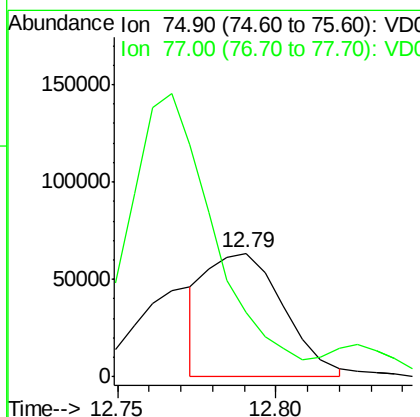
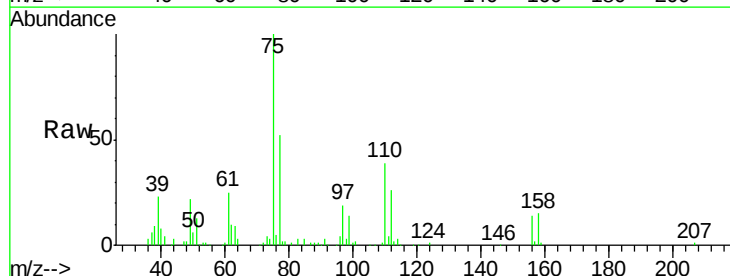
RT: 12.79 min Scan# 1848

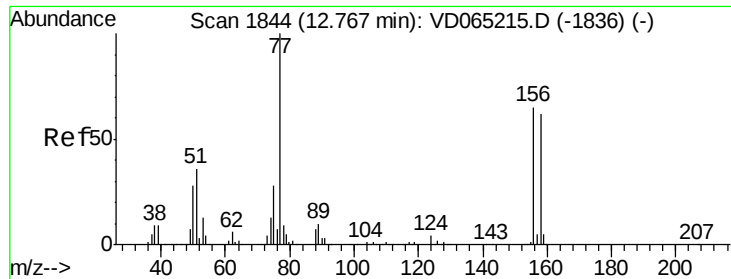
Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion:	75	Resp:	106794
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 68.466 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

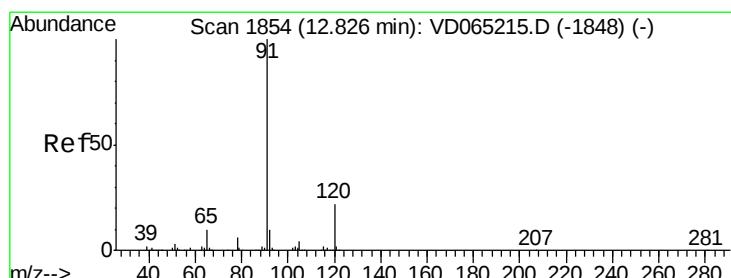
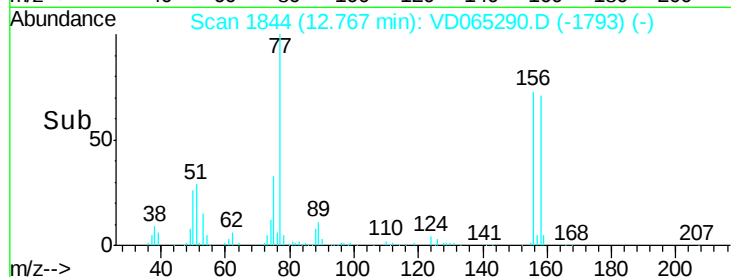
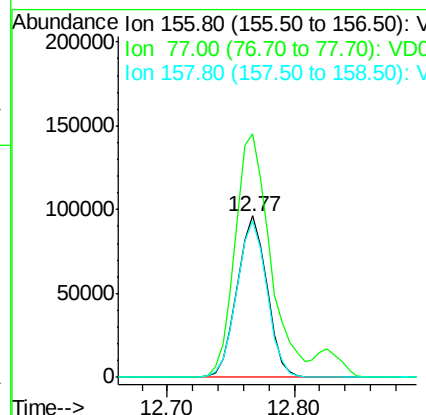
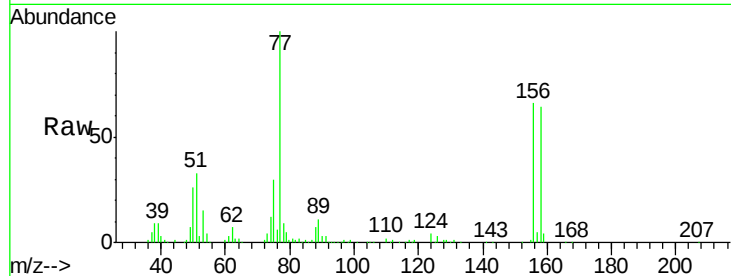
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	156	Resp:	156757
Ion Ratio	Lower	Upper	
156	100		
77	176.4	86.6	259.7
158	97.6	48.1	144.3

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#78

n-propylbenzene

Concen: 58.148 ug/l

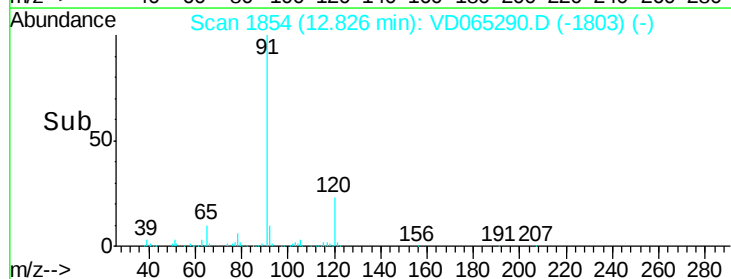
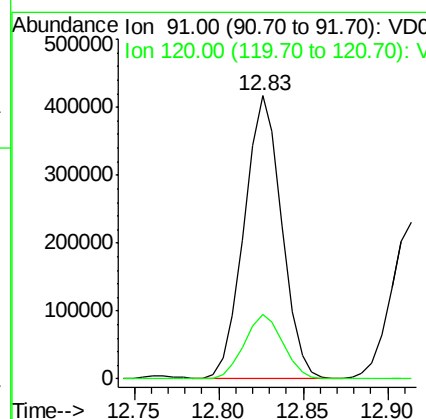
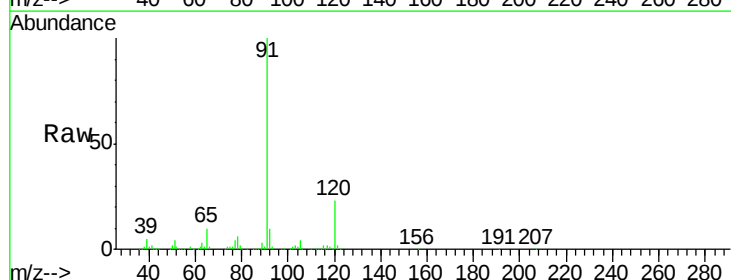
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion:	91	Resp:	644290
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.5	34.5





#79

2-Chlorotoluene

Concen: 60.054 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

ClientSampleId :

DUNR-TS001-01MSD

Tot Ion: 91 Resp: 372768

Ion Ratio Lower Upper

91 100

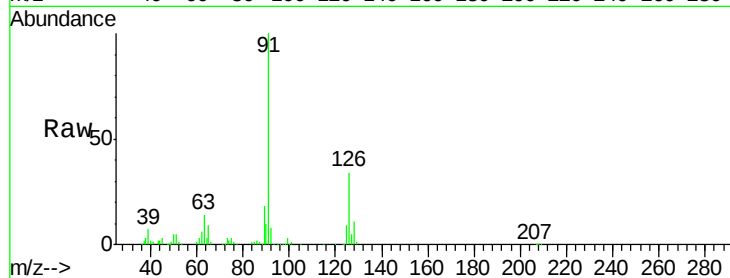
126 35.9 17.5 52.6

Manual Integrations

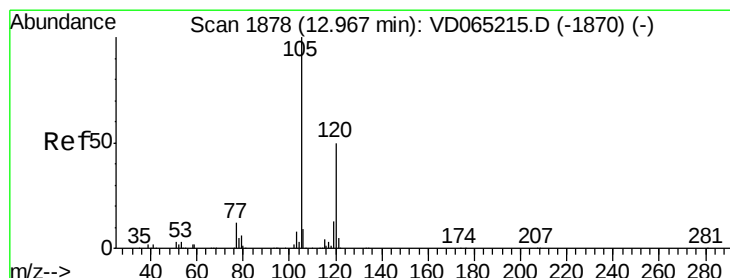
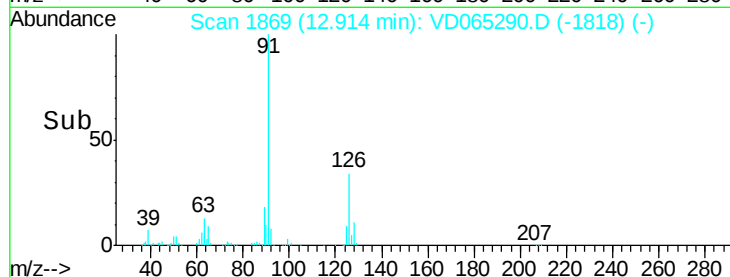
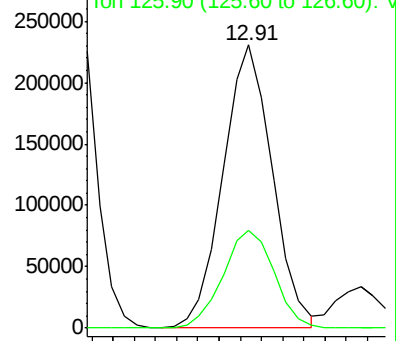
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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 63.002 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065290.D

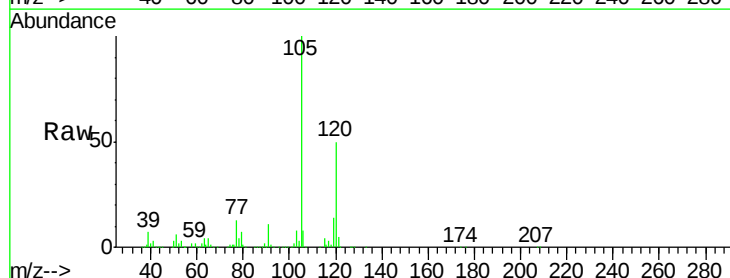
Acq: 24 Feb 2020 13:05

Tgt Ion: 105 Resp: 478439

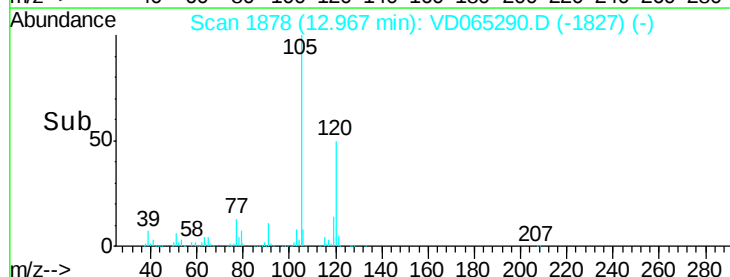
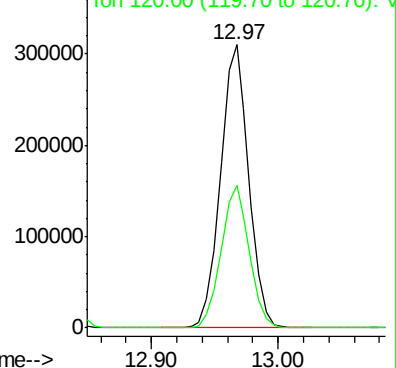
Ion Ratio Lower Upper

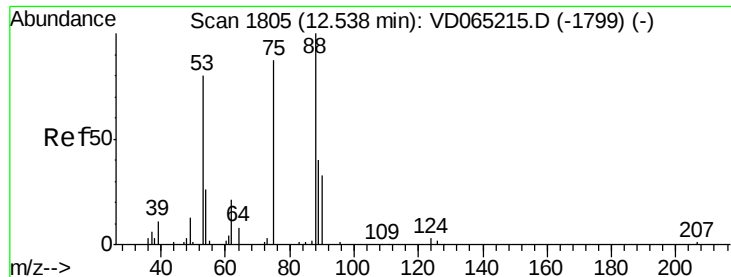
105 100

120 50.3 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 79.724 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

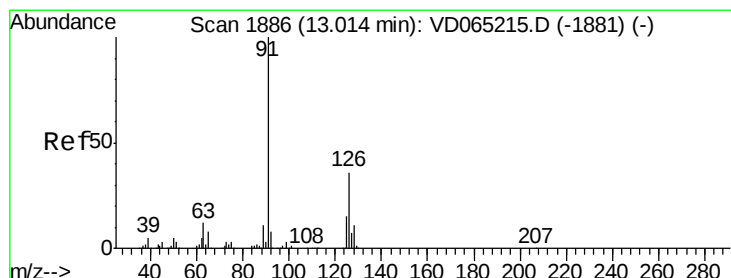
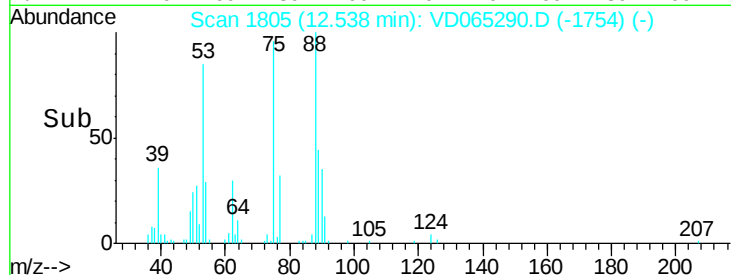
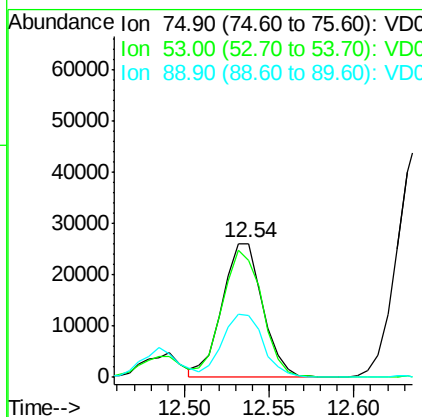
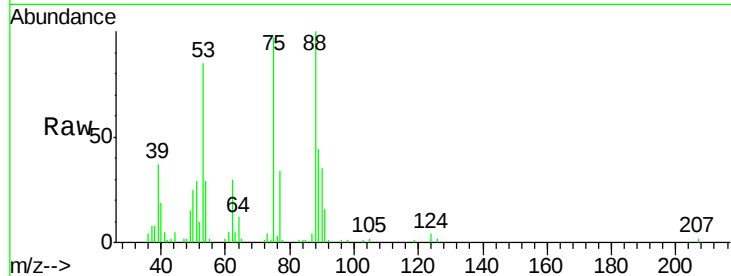
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	75	Resp:	43752
Ion	Ratio	Lower	Upper
75	100		
53	94.0	77.6	116.4
89	47.3	37.2	55.8

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#82

4-Chlorotoluene

Concen: 56.454 ug/l

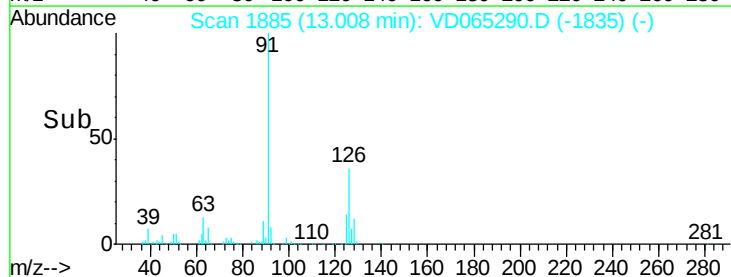
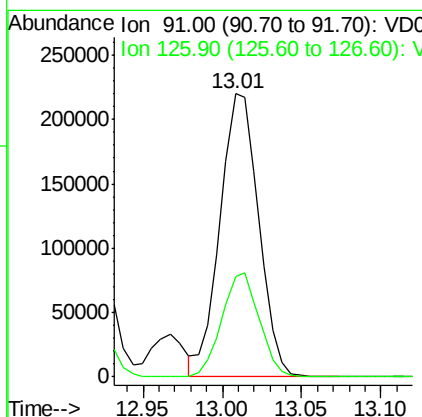
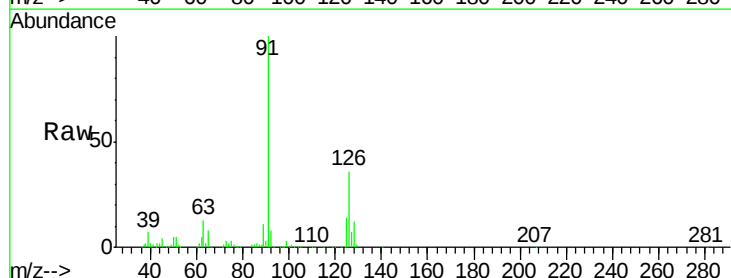
RT: 13.01 min Scan# 1885

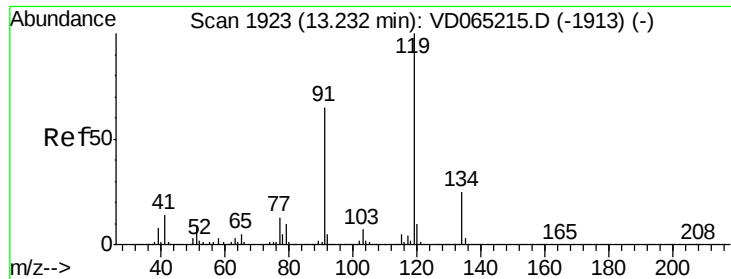
Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion:	91	Resp:	372022
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.4	52.3





#83

tert-Butylbenzene

Concen: 65.315 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

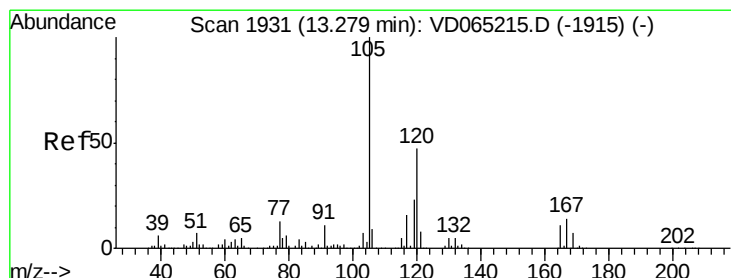
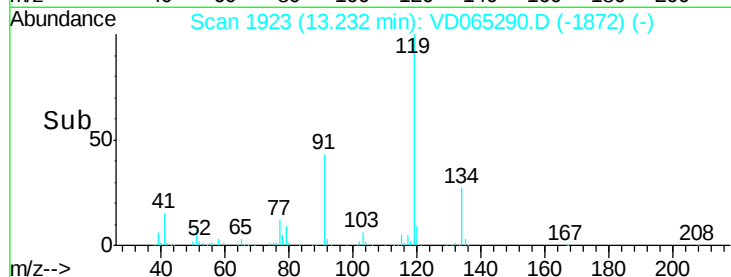
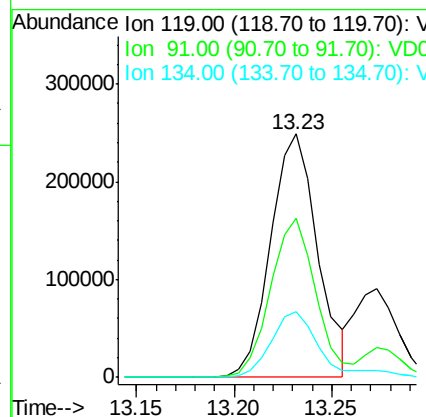
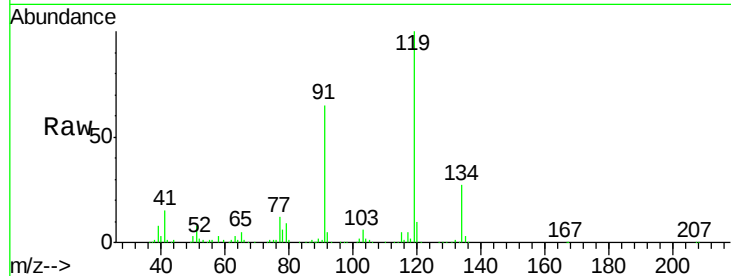
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	119	Resp:	415718
Ion Ratio	Lower	Upper	
119	100		
91	63.4	31.9	95.5
134	26.2	13.8	41.3

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#84

1,2,4-Trimethylbenzene

Concen: 60.987 ug/l

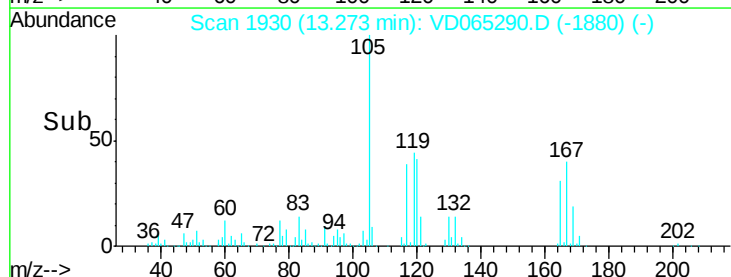
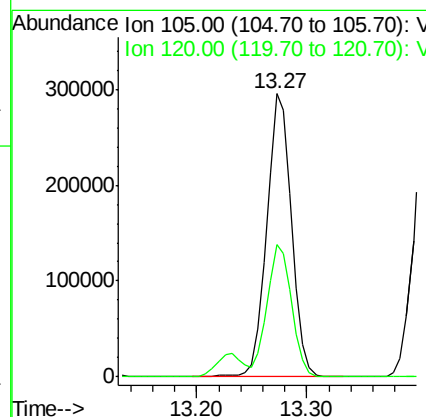
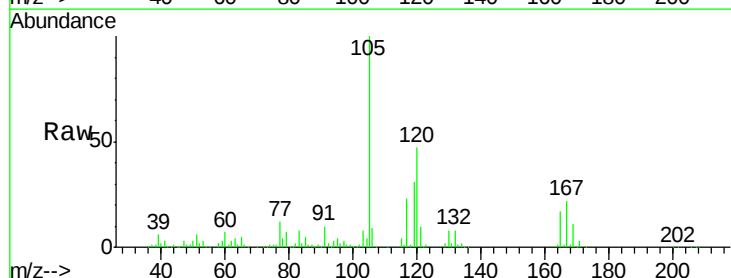
RT: 13.27 min Scan# 1930

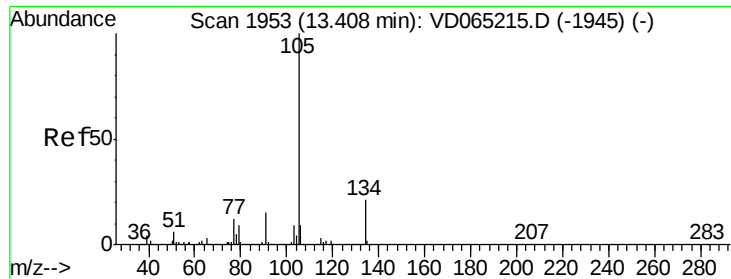
Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion:	105	Resp:	463566
Ion Ratio	Lower	Upper	
105	100		
120	46.2	23.3	69.9





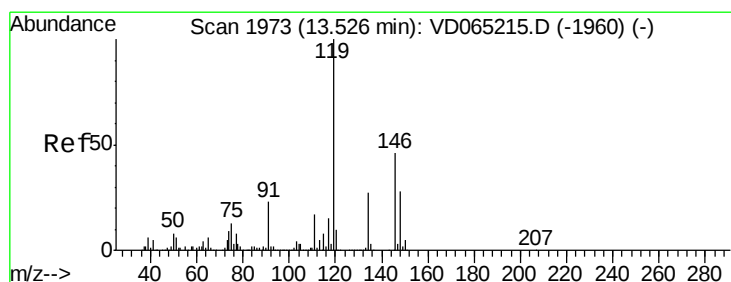
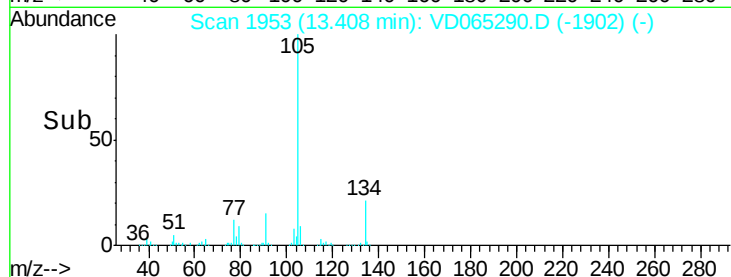
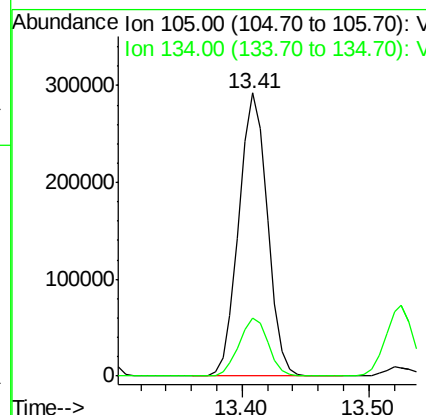
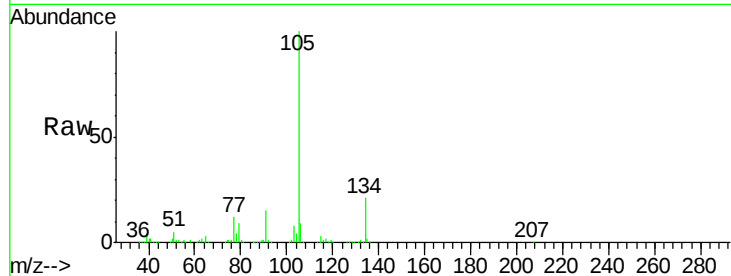
#85
 sec-Butylbenzene
 Concen: 49.570 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.3	30.9

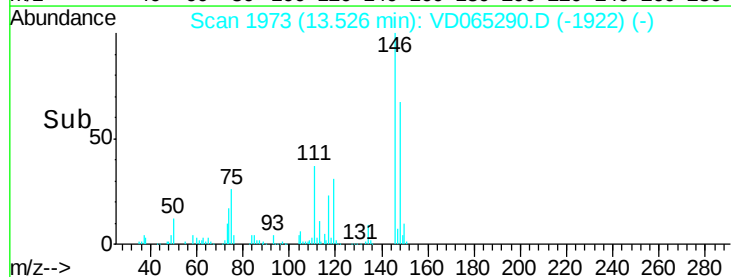
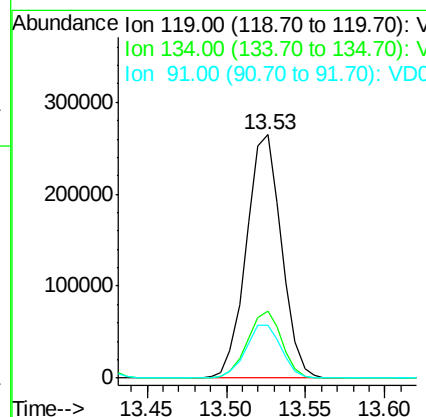
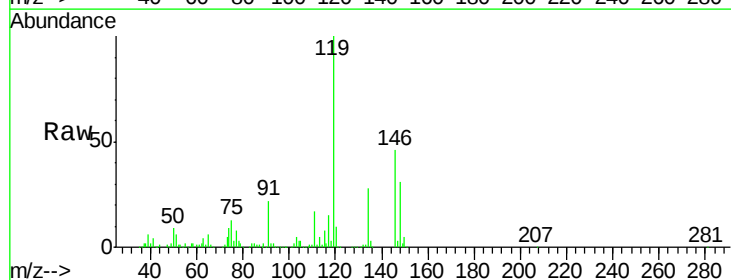
Manual Integrations
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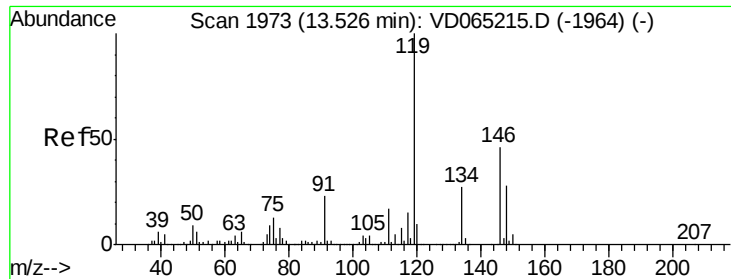
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#86
 p-Isopropyltoluene
 Concen: 48.469 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.3	39.8
91	22.2	11.1	33.1





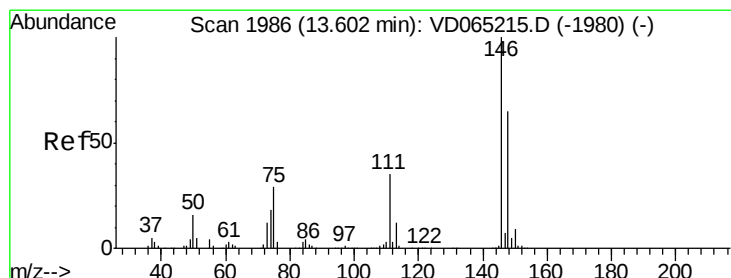
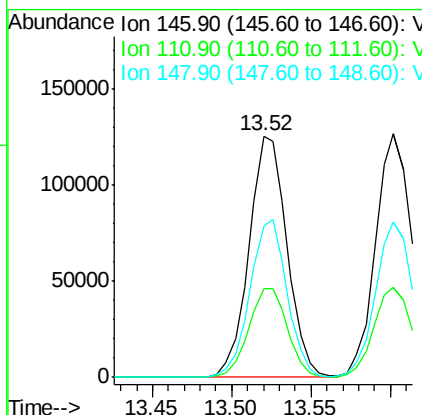
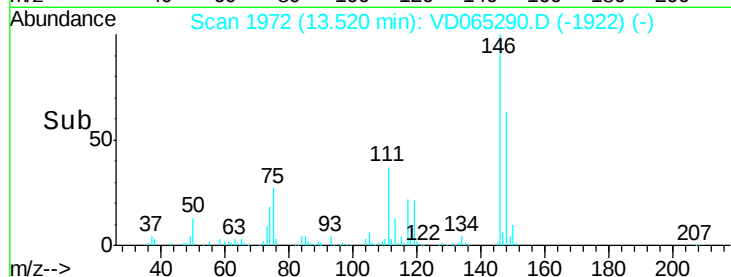
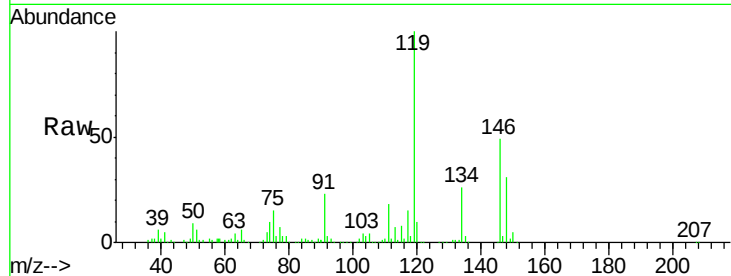
#87
 1,3-Dichlorobenzene
 Concen: 47.040 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	208211		
111	37.7	18.6	55.8	
148	64.1	31.4	94.3	

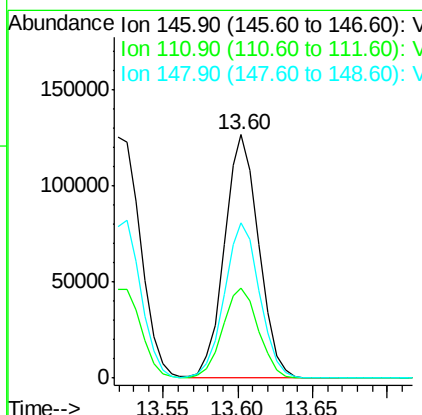
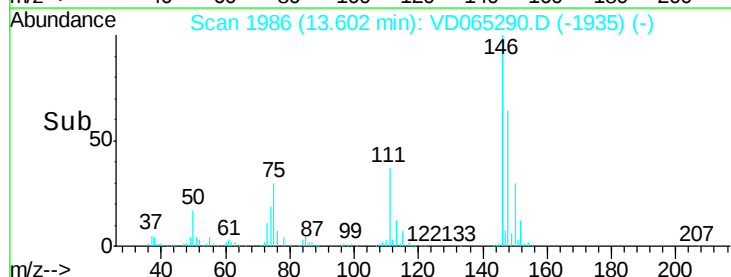
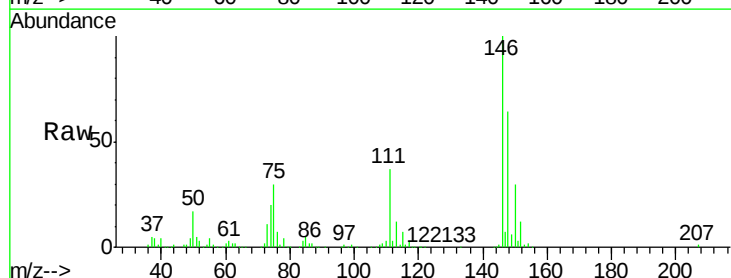
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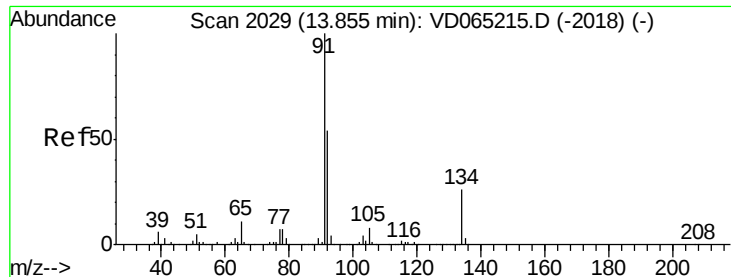
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#88
 1,4-Dichlorobenzene
 Concen: 46.497 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	203120		
111	38.4	18.4	55.2	
148	65.3	32.1	96.5	





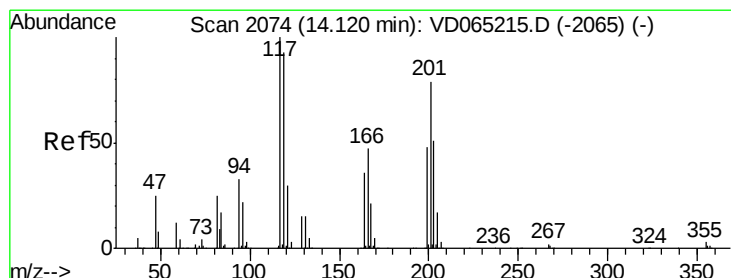
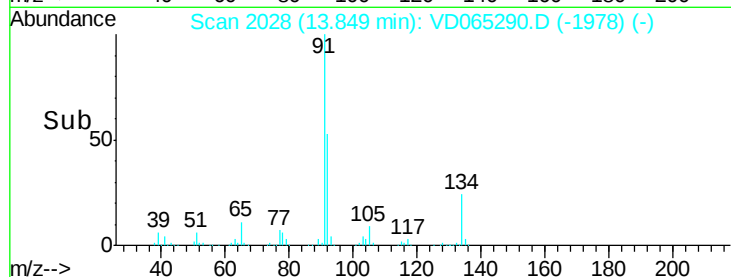
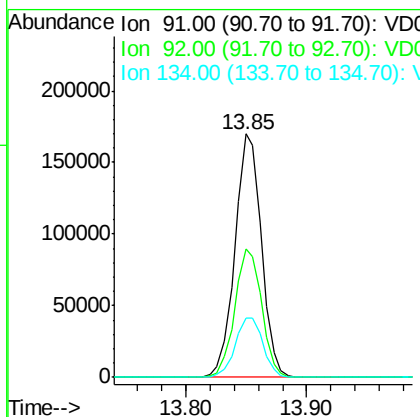
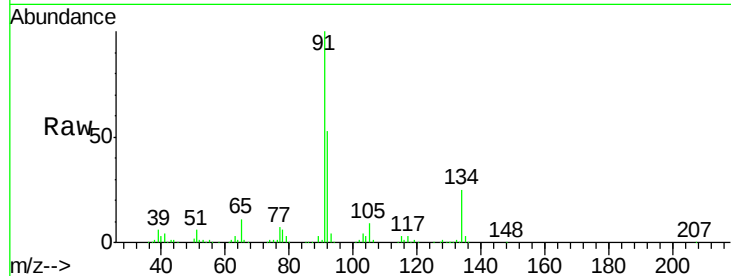
#89
n-Butylbenzene
Concen: 33.589 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100	259593		
92	53.5		27.0	80.8
134	25.7		13.5	40.4

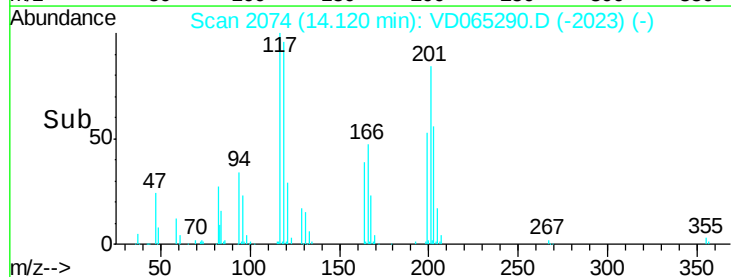
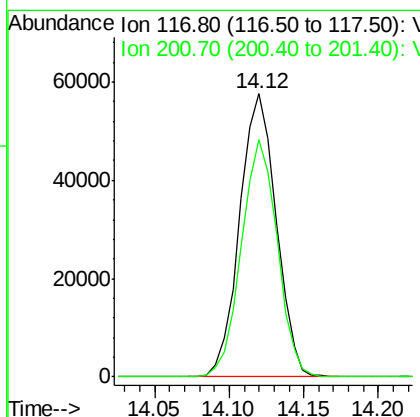
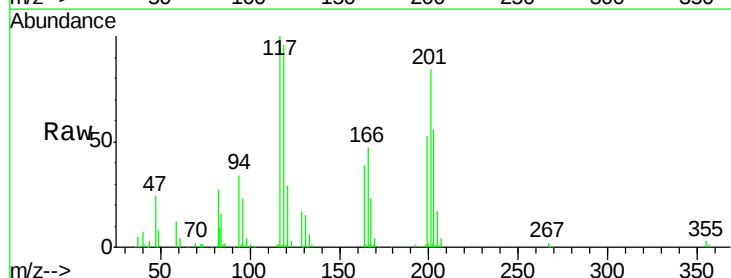
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#90
Hexachloroethane
Concen: 57.421 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	97786		
201	82.1		41.3	124.1





#91

1,2-Dichlorobenzene

Concen: 48.817 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Instrument :

MSVOA_D

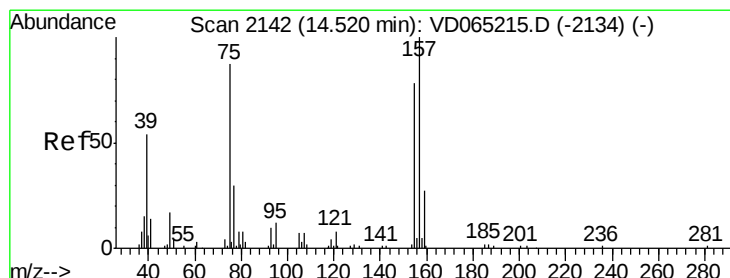
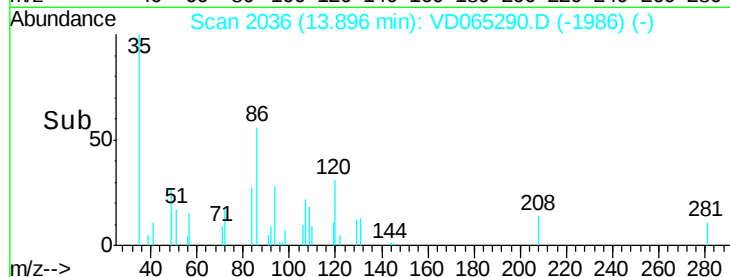
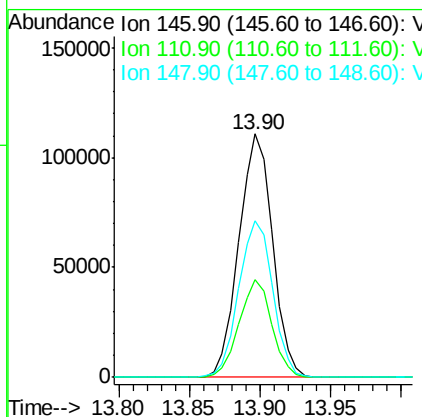
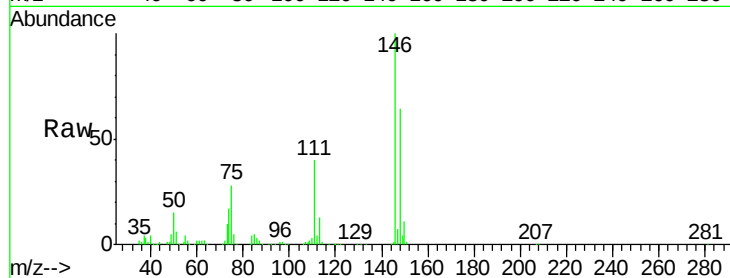
ClientSampleId :

DUNR-TS001-01MSD

Tot Ion:	146	Resp:	185528
Ion Ratio		Lower	Upper
146	100		
111	38.8	19.7	59.0
148	64.8	32.0	96.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 73.737 ug/l

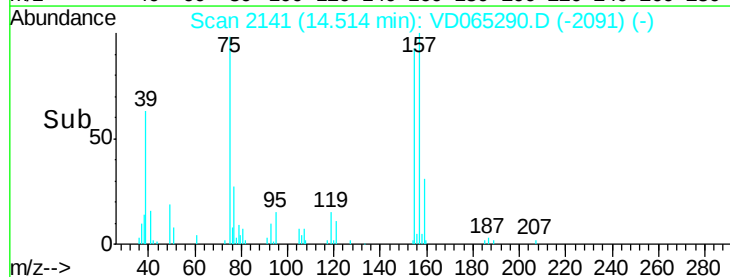
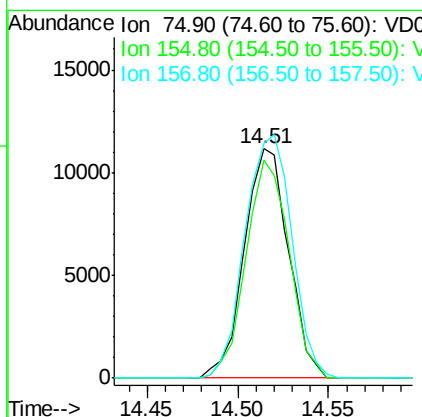
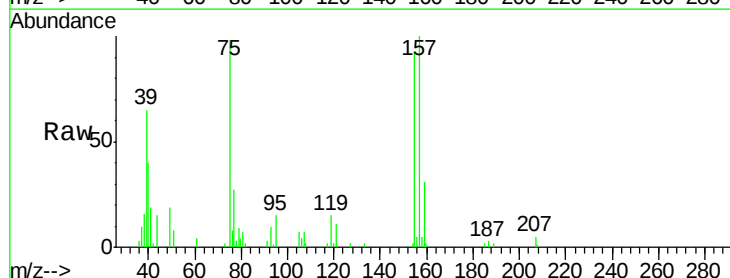
RT: 14.51 min Scan# 2141

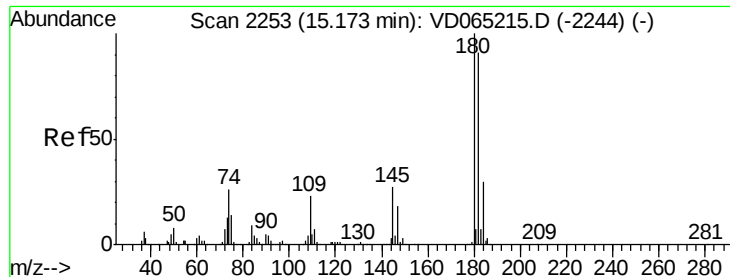
Delta R.T. -0.01 min

Lab File: VD065290.D

Acq: 24 Feb 2020 13:05

Tgt Ion:	75	Resp:	18909
Ion Ratio		Lower	Upper
75	100		
155	92.9	42.3	126.9
157	112.9	56.7	170.1





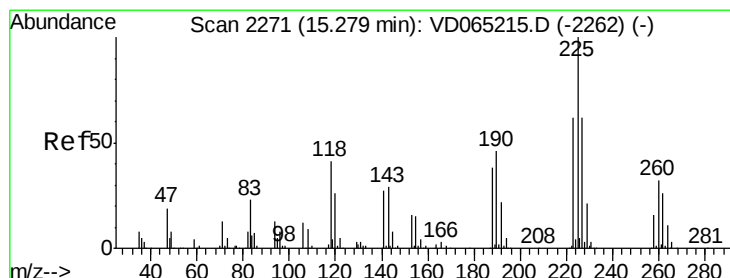
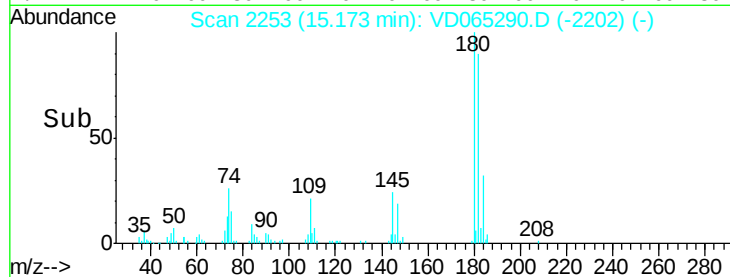
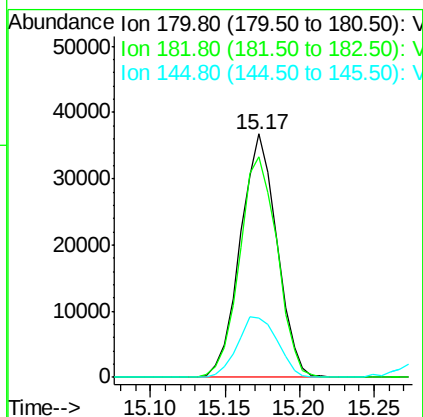
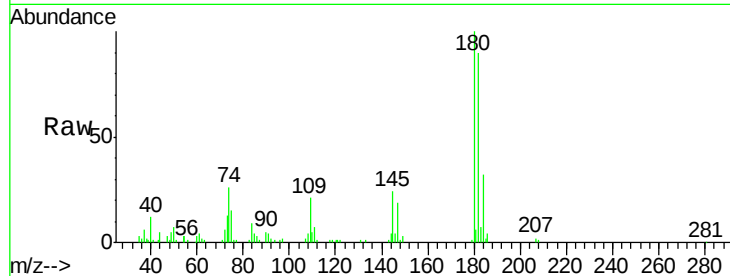
#93
 1,2,4-Trichlorobenzene
 Concen: 25.107 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Instrument :
 MSVOA_D
 ClientSampleId :
 DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.9	140.6
145	27.1	13.9	41.7

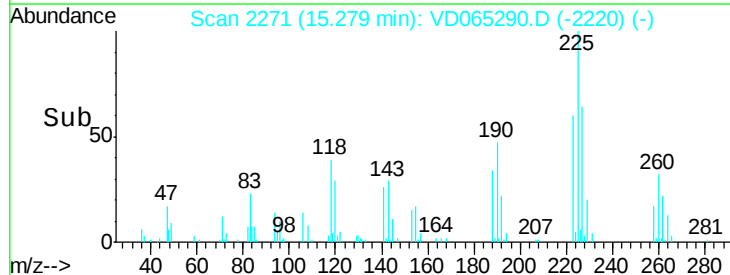
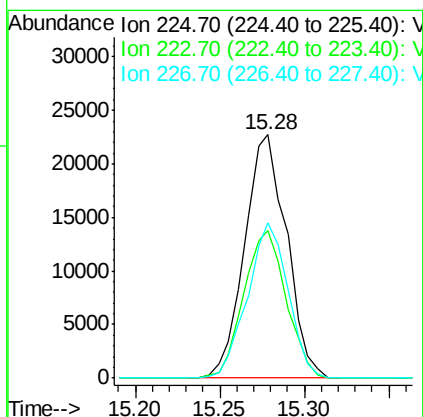
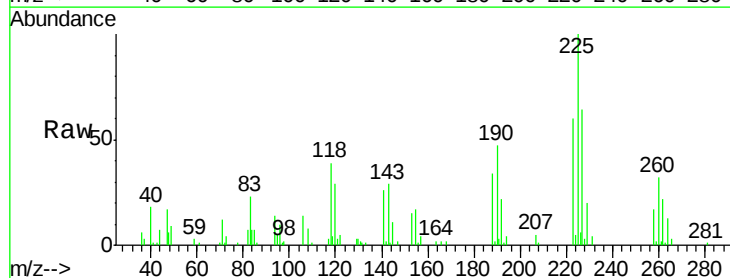
Manual Integrations
 APPROVED

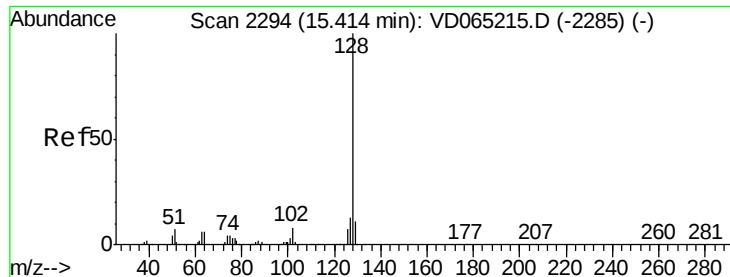
MMDadoda
 2/25/2020 5:15:41 PM



#94
 Hexachlorobutadiene
 Concen: 24.598 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065290.D
 Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.2
227	61.7	31.7	95.1





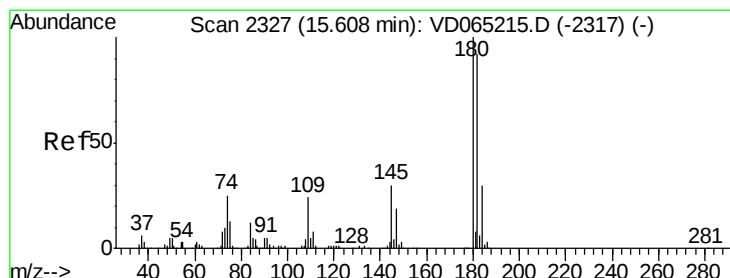
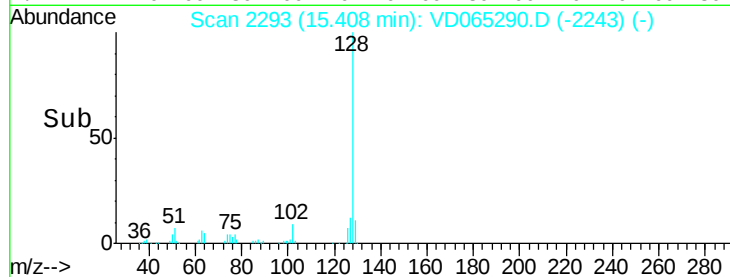
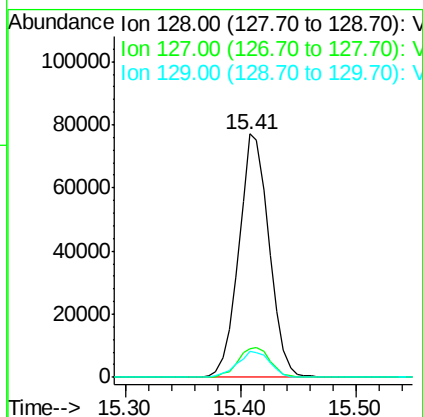
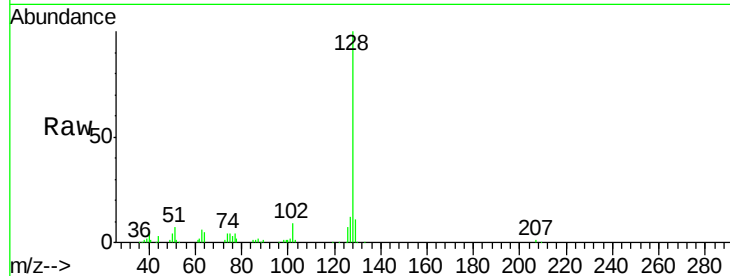
#95
Naphthalene
Concen: 34.633 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Instrument :
MSVOA_D
ClientSampleId :
DUNR-TS001-01MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/25/2020 5:15:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 24.272 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065290.D
Acq: 24 Feb 2020 13:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	46.9	140.6
145	30.9	15.4	46.1

