LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022020\
Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.044	184	191	199	rVB2	50680	113383	2.62%	0.333%
2	4.138	363	377	392	rBV4	45569	195066	4.51%	0.573%
3	4.950	498	515	522	rBV4	163682	705781	16.31%	2.075%
4	5.485	595	606	623	rVB2	218943	742721	17.17%	2.184%
5	6.344	742	752	763	rVB2	26319	79350	1.83%	0.233%
6	6.485	765	776	784	rBV5	18214	55531	1.28%	0.163%
7	6.767	812	824	835	rBV4	37005	121037	2.80%	0.356%
8	6.920	839	850	860	rVV3	225198	688819	15.92%	2.025%
9	7.026	860	868	878	rVV2	139593	423106	9.78%	1.244%
10	7.208	890	899	911	rVB4	43441	140336	3.24%	0.413%
11	7.667	968	977	982	rBV6	25462	69893	1.62%	0.205%
12	7.732	982	988	996	rVB3	45402	120541	2.79%	0.354%
13	7.920	1007	1020	1025	rBV	353638	879792	20.34%	2.587%
14	7.985	1025	1031	1037	rVV	643737	1476818	34.14%	4.342%
15	8.067	1037	1045	1057	rVB	735524	1793109	41.45%	5.272%
16	8.185	1057	1065	1072	rBV	81766	186116	4.30%	0.547%
17	8.338	1080	1091	1102	rVB2	341473	851047	19.67%	2.502%
18	8.461	1102	1112	1115	rVV3	342744	790541	18.27%	2.324%
19	8.514	1116	1121	1131	rVV3	548174	1648278	38.10%	4.846%
20	8.602	1131	1136	1146	rVV2	77676	178797	4.13%	0.526%
21	8.696	1146	1152	1166	rVB9	14260	46980	1.09%	0.138%
22	8.867	1172	1181	1194	rBV	988769	2185957	50.53%	6.427%
23	9.096	1214	1220	1225	rVV3	45625	102878	2.38%	0.302%
24	9.143	1225	1228	1239	rVB3	37444	67488	1.56%	0.198%
25	9.326	1250	1259	1262	rBV3	141076	330807	7.65%	0.973%
26	9.414	1270	1274	1281	rVB6	43460	90664	2.10%	0.267%
27	9.491	1281	1287	1291	rBV	36902	73658	1.70%	0.217%
28	9.538	1292	1295	1302	rVB3	28979	43972	1.02%	0.129%
29	9.632	1302	1311	1318	rBV3	61595	139547	3.23%	0.410%
30	9.779	1330	1336	1347	rVB	283772	585084	13.52%	1.720%
31	9.914	1347	1359	1373	rBV	491420	1094520	25.30%	3.218%
32	10.026	1373	1378	1385	rVB4	35132	81310	1.88%	0.239%
33	10.102	1385	1391	1397	rBV4	34826	72093	1.67%	0.212%
34	10.267	1414	1419	1424	rVB4	29663	61767	1.43%	0.182%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022020\
Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Title : SW846 8260

35	10.343	1424	1432	1447	rBV	1454635	2716590	62.80%	7.987%
36	10.685	1484	1490	1493	rBV3	32203	57767	1.34%	0.170%
37	10.767	1493	1504	1513	rVV5	150435	459381	10.62%	1.351%
38	11.032	1542	1549	1554	rBV6	43357	90726	2.10%	0.267%
39	11.461	1611	1622	1630	rBV	27969	56081	1.30%	0.165%
40	11.649	1646	1654	1662	rBV	1203457	2070605	47.86%	6.087%
41	11.743	1666	1670	1676	rVB2	32481	56413	1.30%	0.166%
42	11.855	1680	1689	1695	rBV2	42400	88650	2.05%	0.261%
43	12.637	1814	1822	1833	rBV	901507	1528388	35.33%	4.493%
44	13.126	1900	1905	1912	rVB	51163	88379	2.04%	0.260%
45	13.408	1944	1953	1960	rBV3	62486	169805	3.93%	0.499%
46	13.584	1976	1983	1992	rBV	1123907	1853123	42.84%	5.448%
47	13.684	1995	2000	2004	rVB	39172	60202	1.39%	0.177%
48	13.749	2004	2011	2013	rBV	680521	1036829	23.97%	3.048%
49	13.784	2013	2017	2023	rVV	2582529	4326058	100.00%	12.718%
50	13.831	2023	2025	2034	rVB	208027	258718	5.98%	0.761%
51	14.061	2057	2064	2069	rBV4	23298	44856	1.04%	0.132%
52	14.126	2069	2075	2080	rVB3	37957	64646	1.49%	0.190%
53	14.190	2080	2086	2089	rBV	127584	202134	4.67%	0.594%
54	14.237	2089	2094	2102	rVB	666041	1093188	25.27%	3.214%
55	14.726	2171	2177	2189	rVB	244582	412950	9.55%	1.214%
56	14.849	2189	2198	2204	rBV	495086	836788	19.34%	2.460%
57	15.102	2232	2241	2246	rBV3	34799	81587	1.89%	0.240%
58	15.220	2253	2261	2270	rVB2	52594	123614	2.86%	0.363%

Sum of corrected areas: 34014265

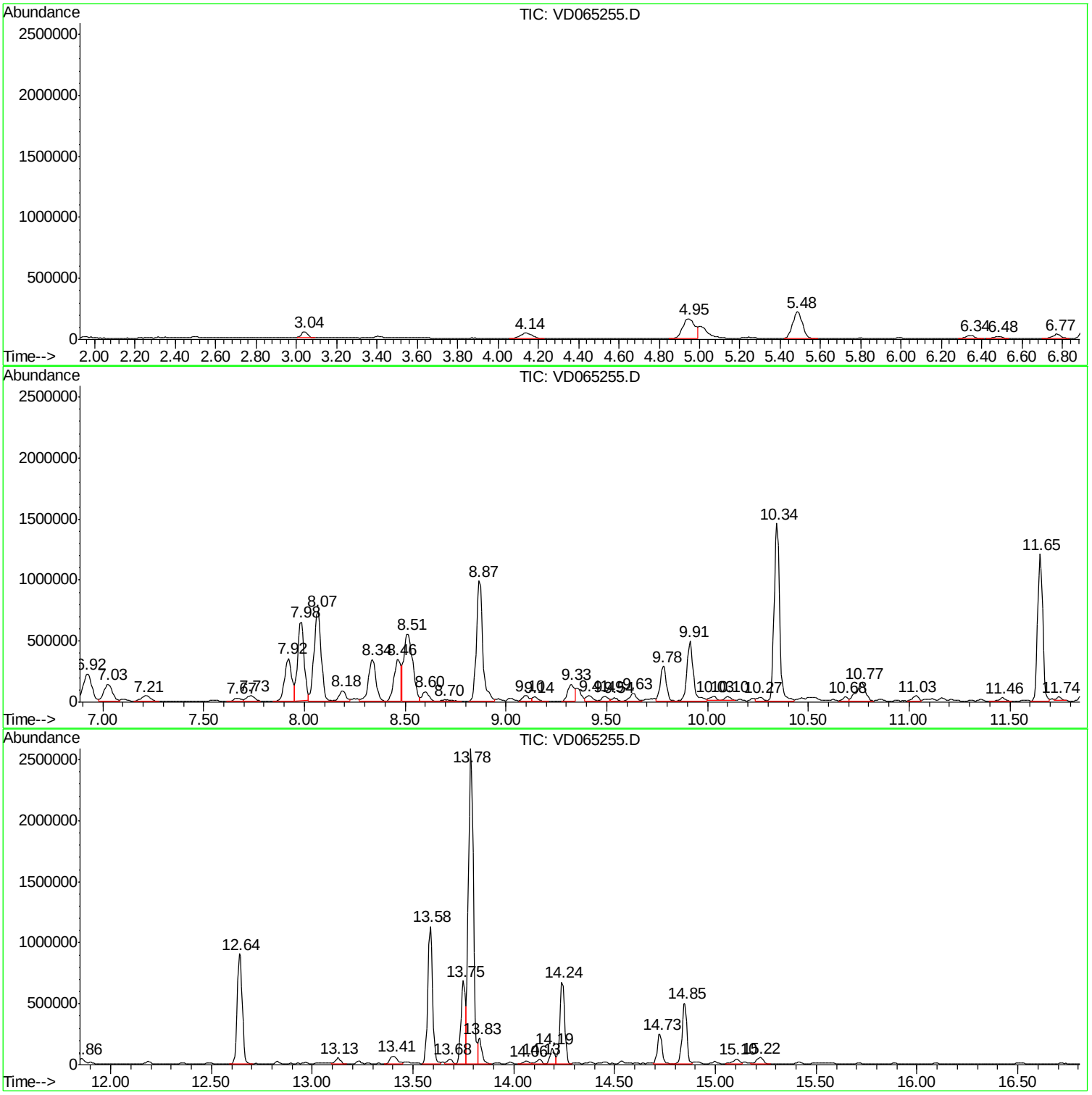
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022020\
Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022020\
Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260

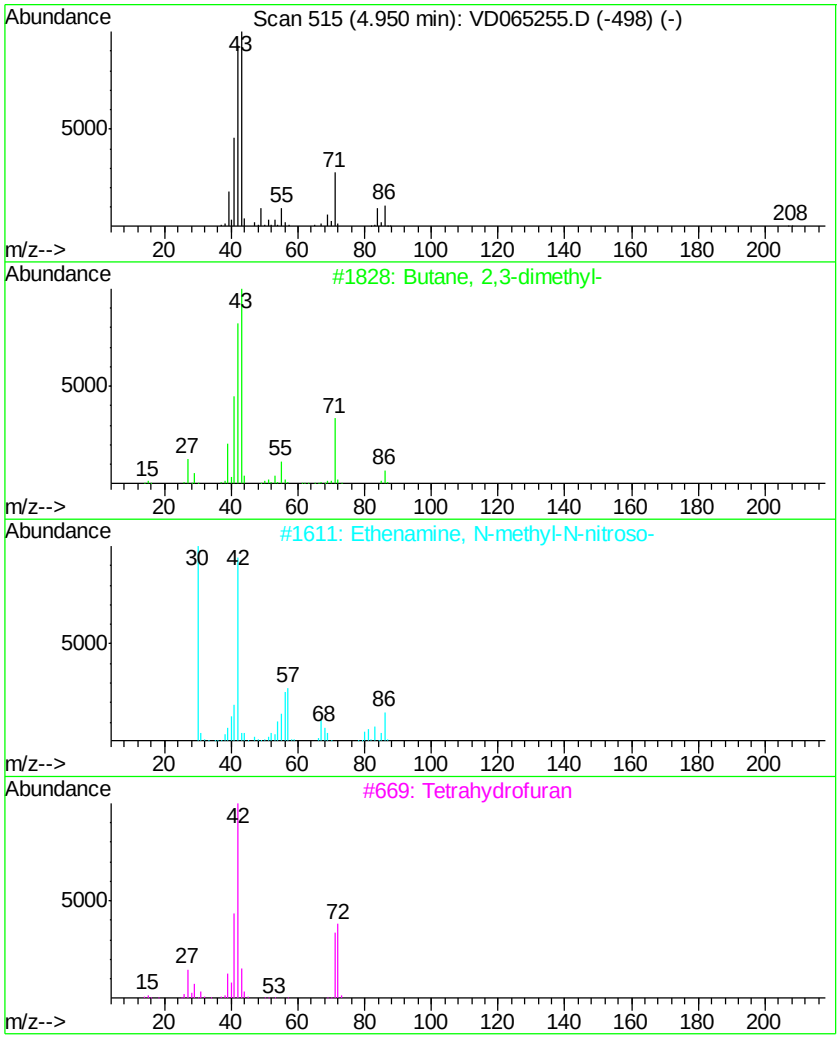
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

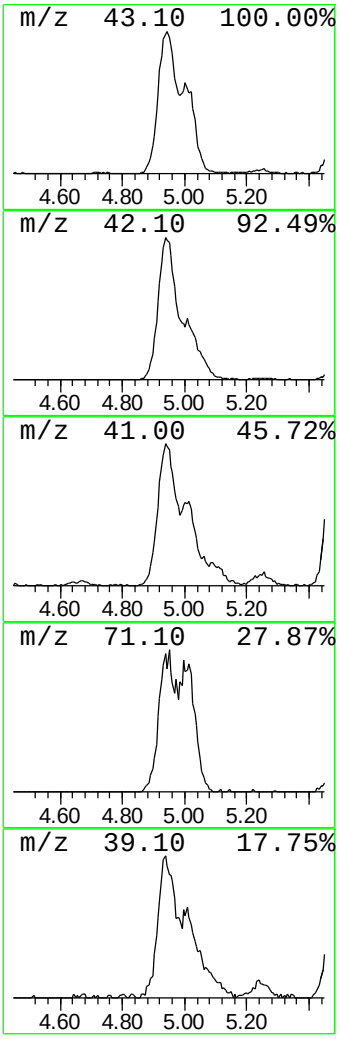
****

Peak Number 1 Butane, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	23.90 ug/l	705781	Pentafluorobenzene	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	81
2	Ethenamine, N-methyl-N-nitroso-	86	C3H6N2O	004549-40-0	47
3	Tetrahydrofuran	72	C4H8O	000109-99-9	33
4	C2H5C(CH3)2COCH3	114	C7H14O	020669-04-9	10
5	3-Buten-2-ol, 3-methyl-	86	C5H10O	010473-14-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022020\
Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260

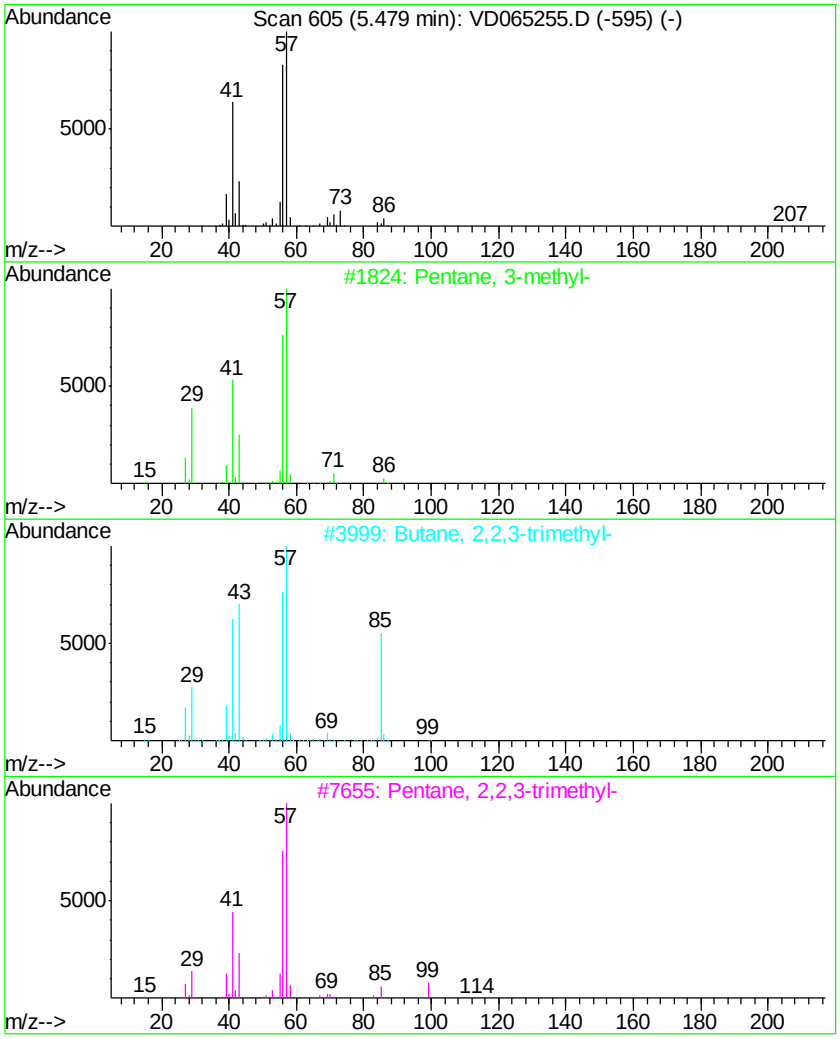
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

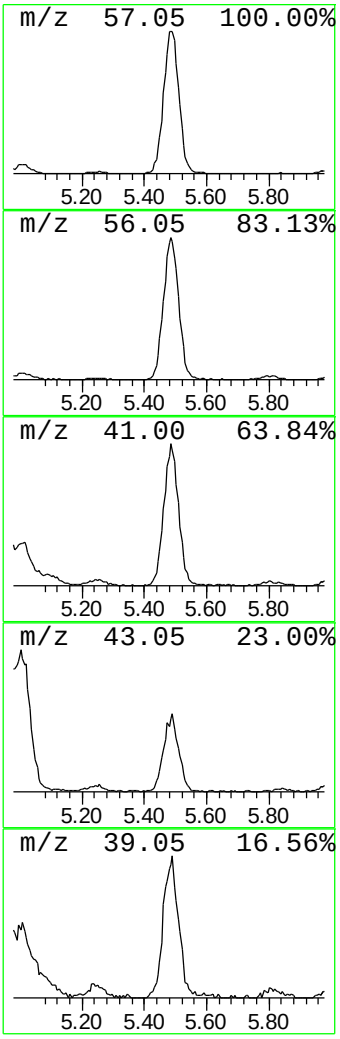
****

Peak Number 2 Pentane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.48	25.15 ug/l	742721	Pentafluorobenzene	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	83
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	72
3	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	59
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	59
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022020\
Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260

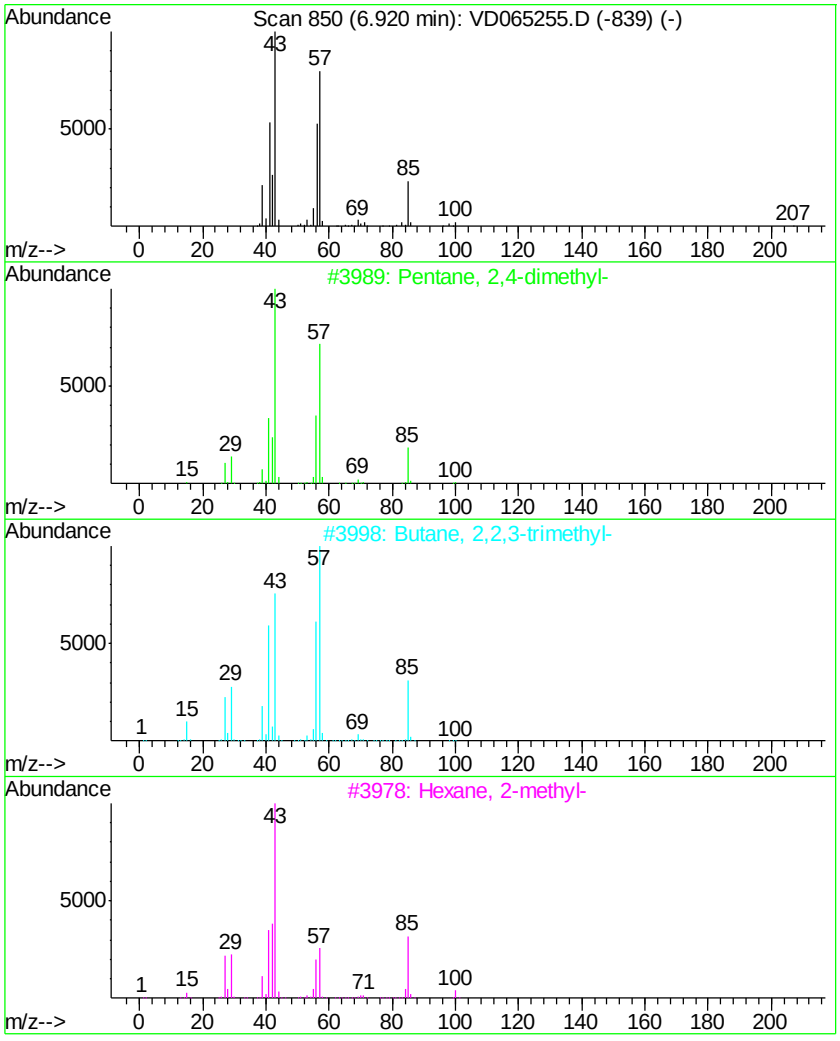
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

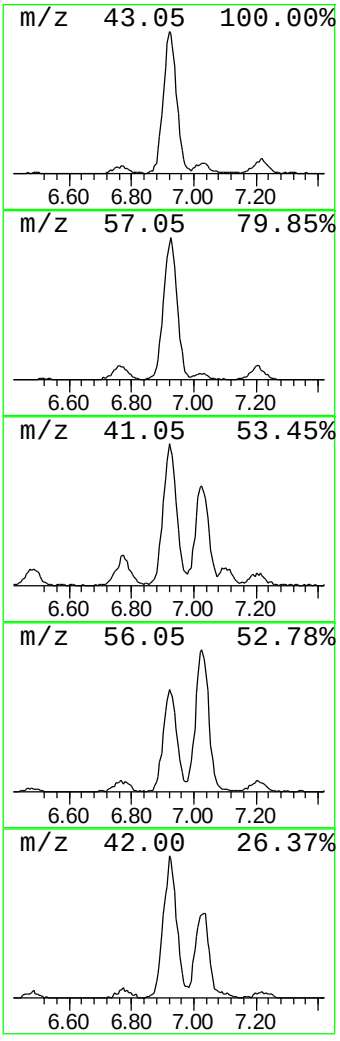
****

Peak Number 3 Pentane, 2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	23.32 ug/l	688819	Pentafluorobenzene	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
3	Hexane, 2-methyl-	100	C7H16	000591-76-4	47
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	47
5	Pentane, 3-methyl-	86	C6H14	000096-14-0	43





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022020\
Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260

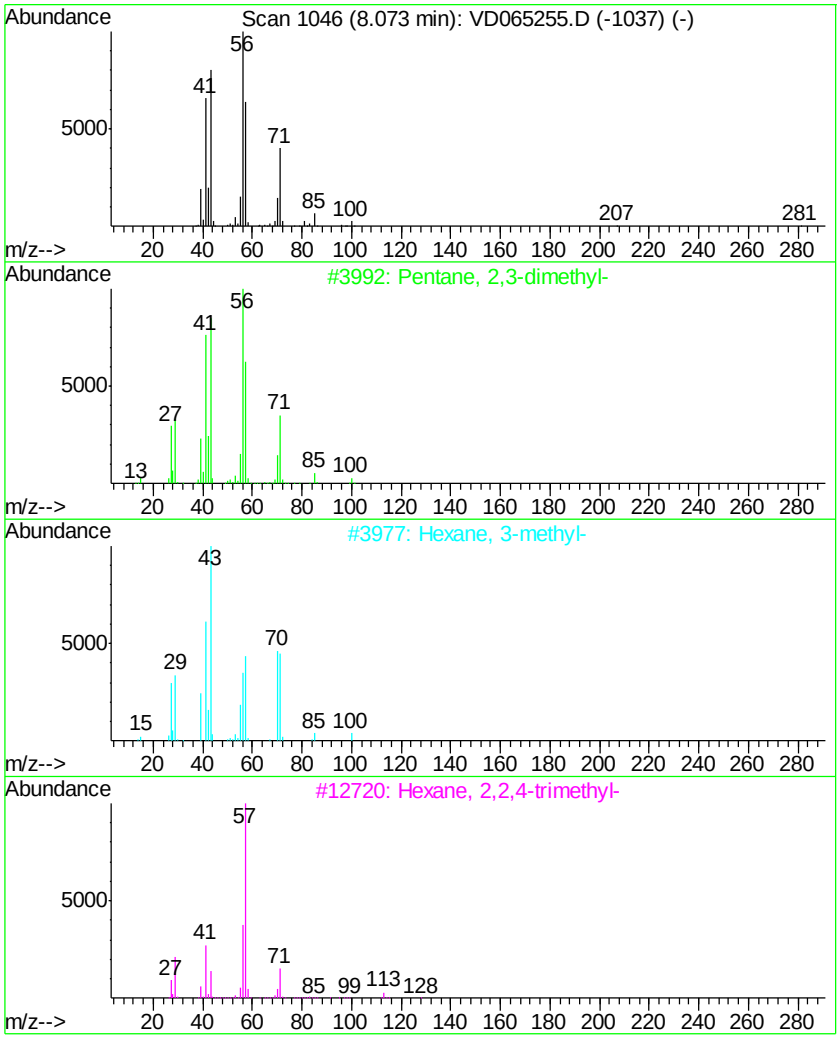
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

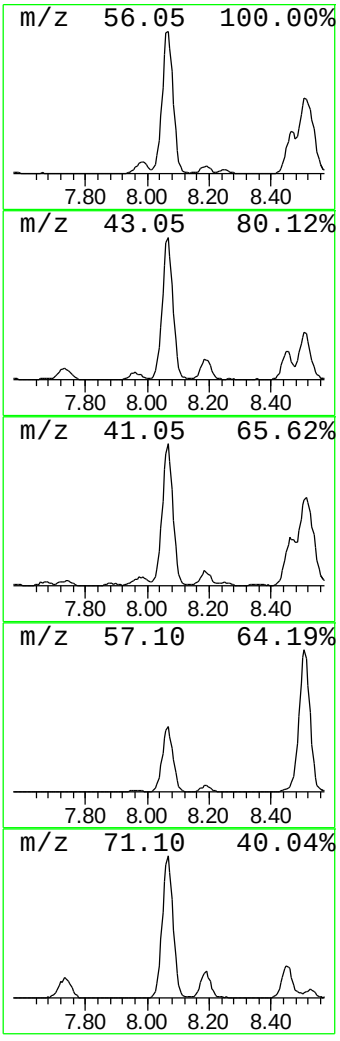
****

Peak Number 4 Pentane, 2,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	60.71 ug/l	1793110	Pentafluorobenzene	7.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	43
3	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	42
4	Heptane	100	C7H16	000142-82-5	40
5	Propane, 1-isocyanato-	85	C4H7NO	000110-78-1	38





Library Search Compound Report

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Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260

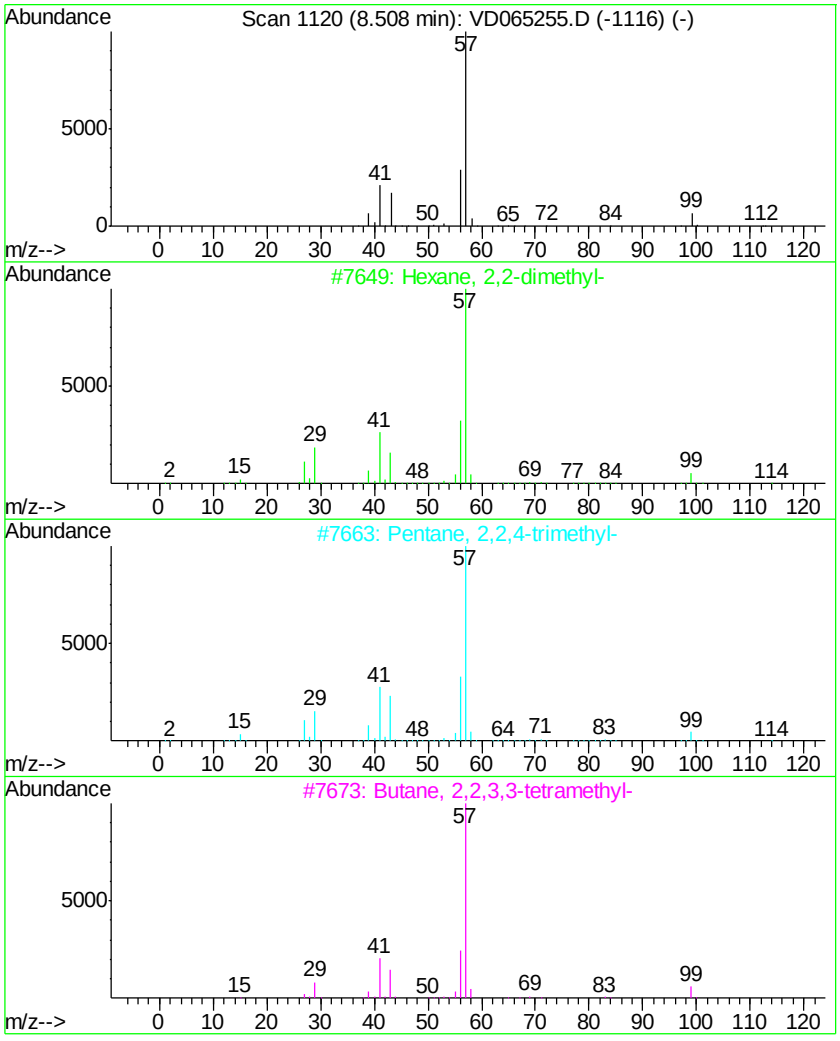
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

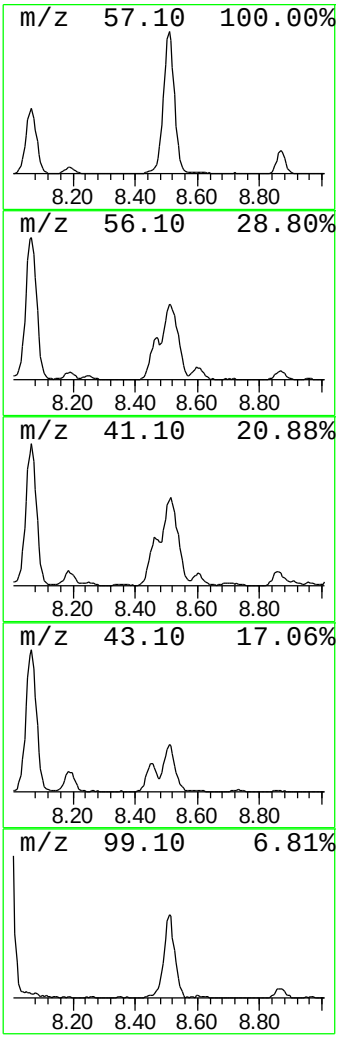
****

Peak Number 5 Hexane, 2,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	37.70 ug/l	1648280	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	42
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	42





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Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260

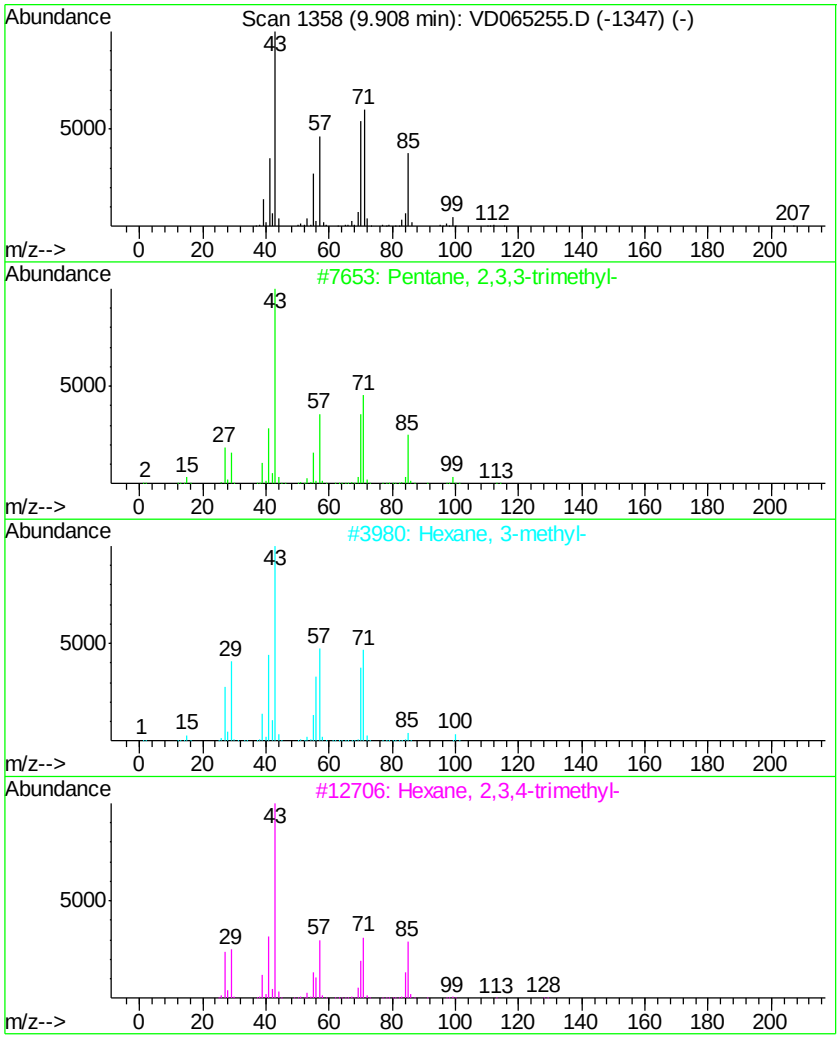
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

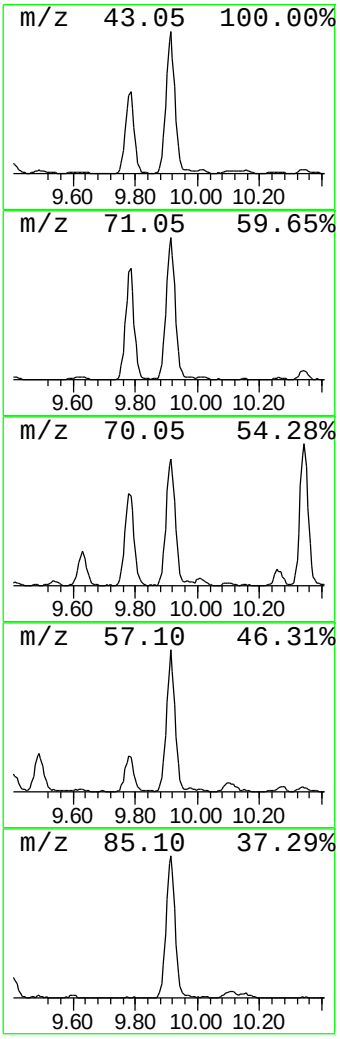
****

Peak Number 6 Pentane, 2,3,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	25.04 ug/l	1094520	1,4-Difluorobenzene	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	64
3	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	59
4	Undecane, 2,8-dimethyl-	184	C13H28	017301-25-6	59
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59





Library Search Compound Report

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Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260

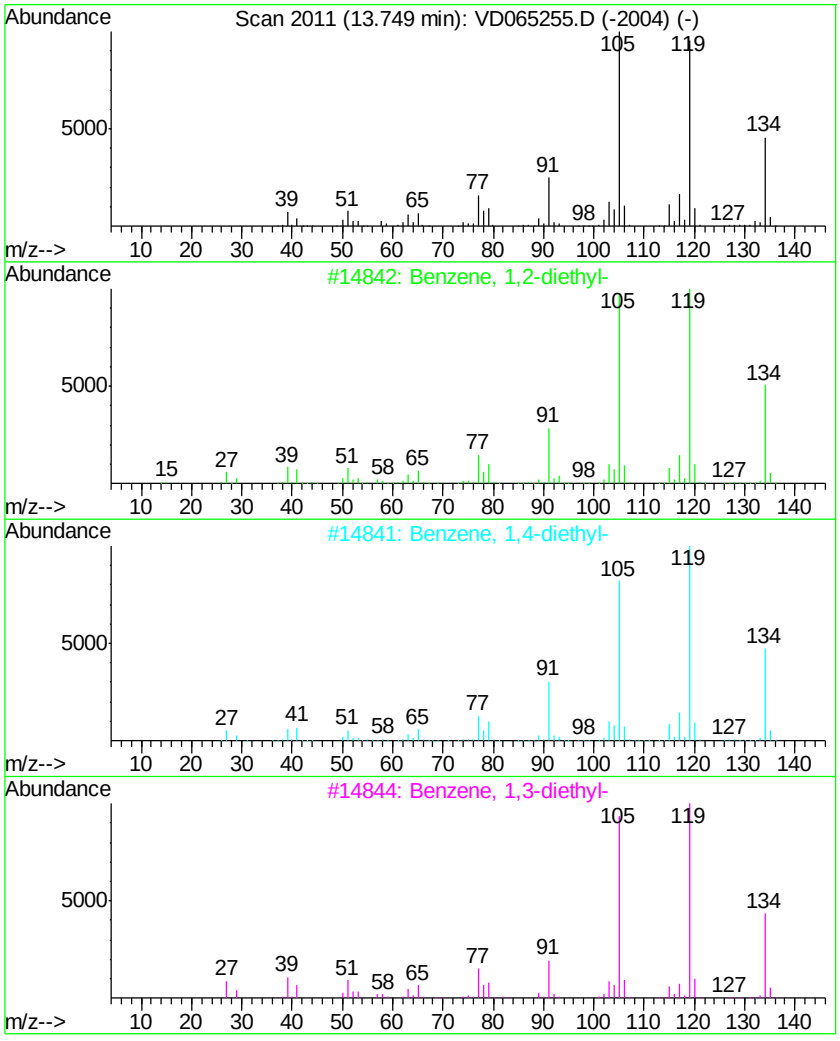
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

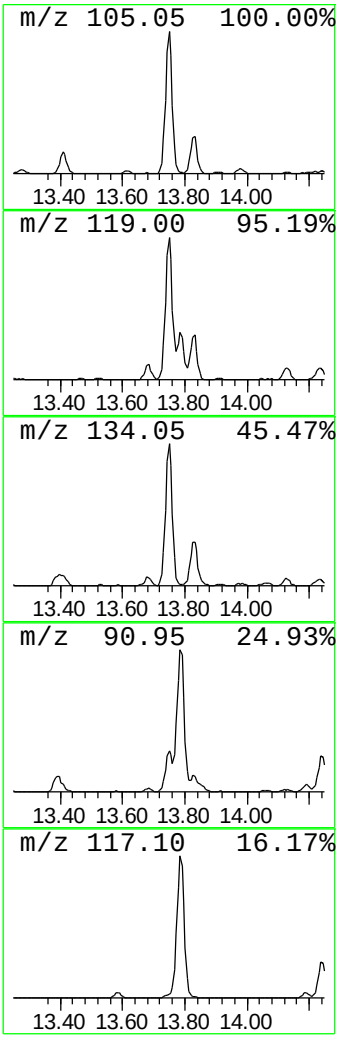
****

Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	27.98 ug/l	1036830	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022020\
Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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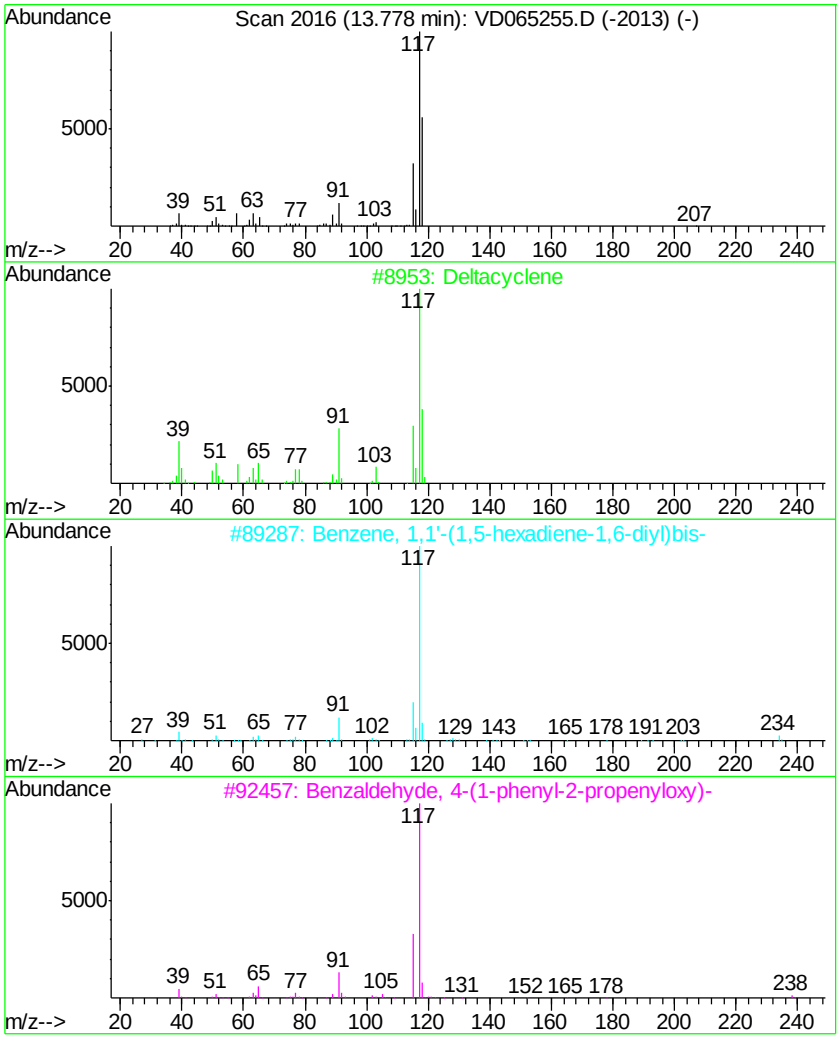
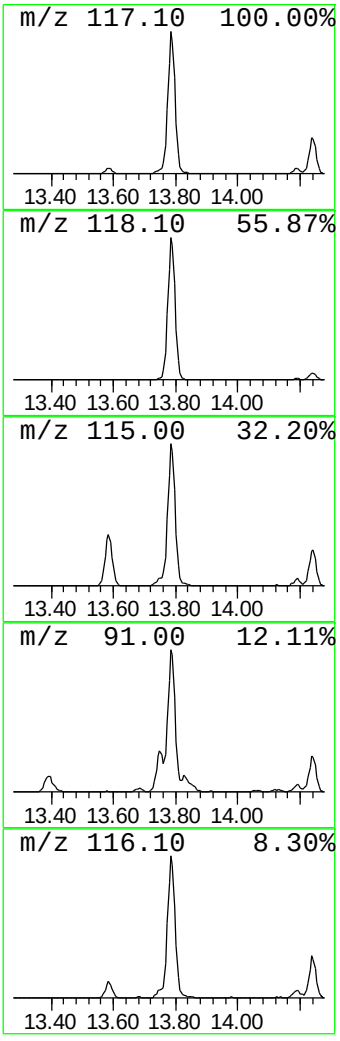
Peak Number 8 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	116.72 ug/l	4326060	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Deltacyclene	118	C9H10	007785-10-6	64
2	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53
3	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	53
4	Indole	117	C8H7N	000120-72-9	46
5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022020\
Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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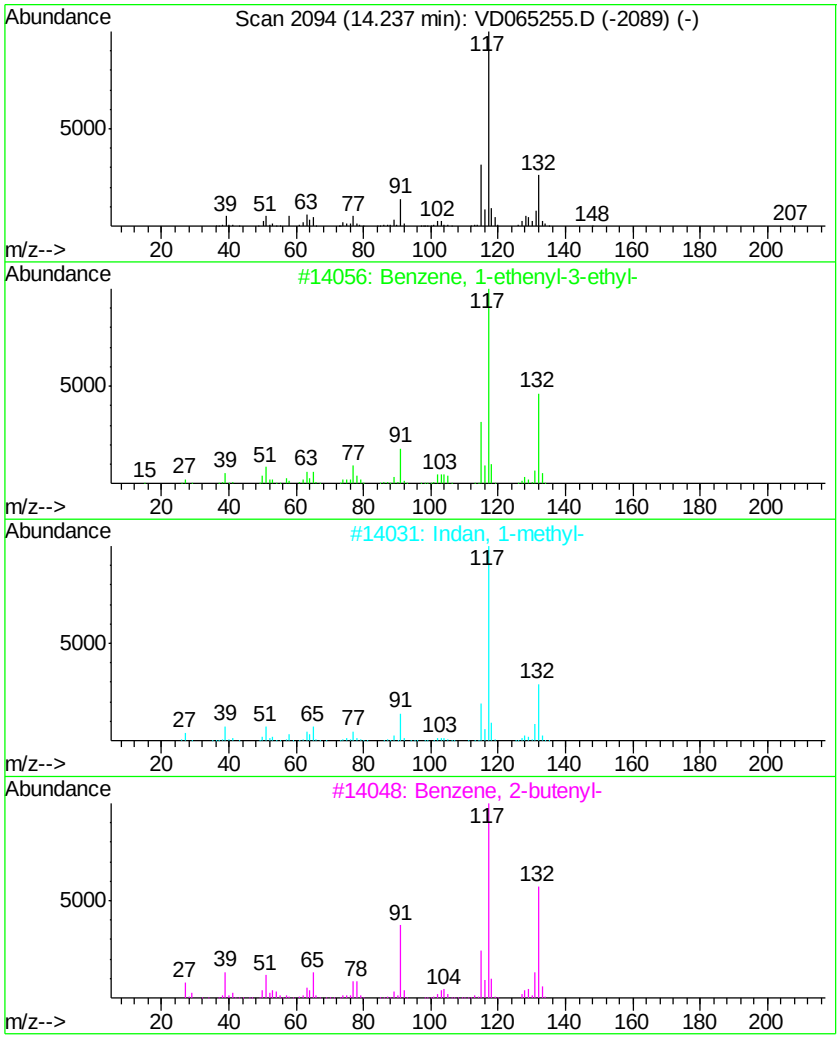
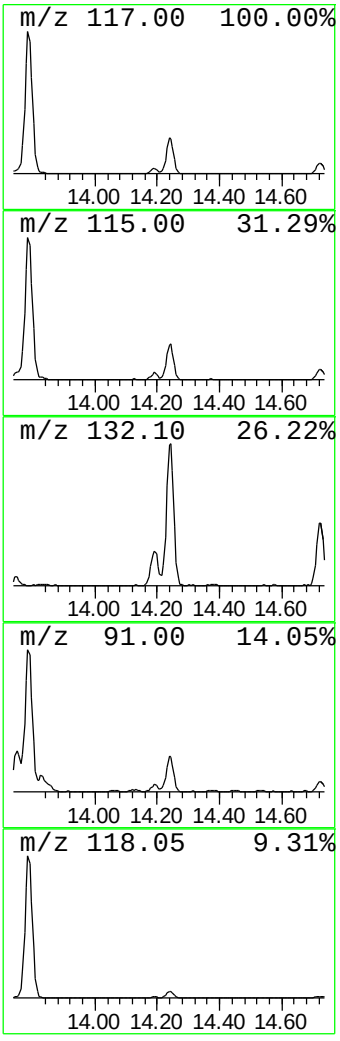
Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	29.50 ug/l	1093190	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	80
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022020\
Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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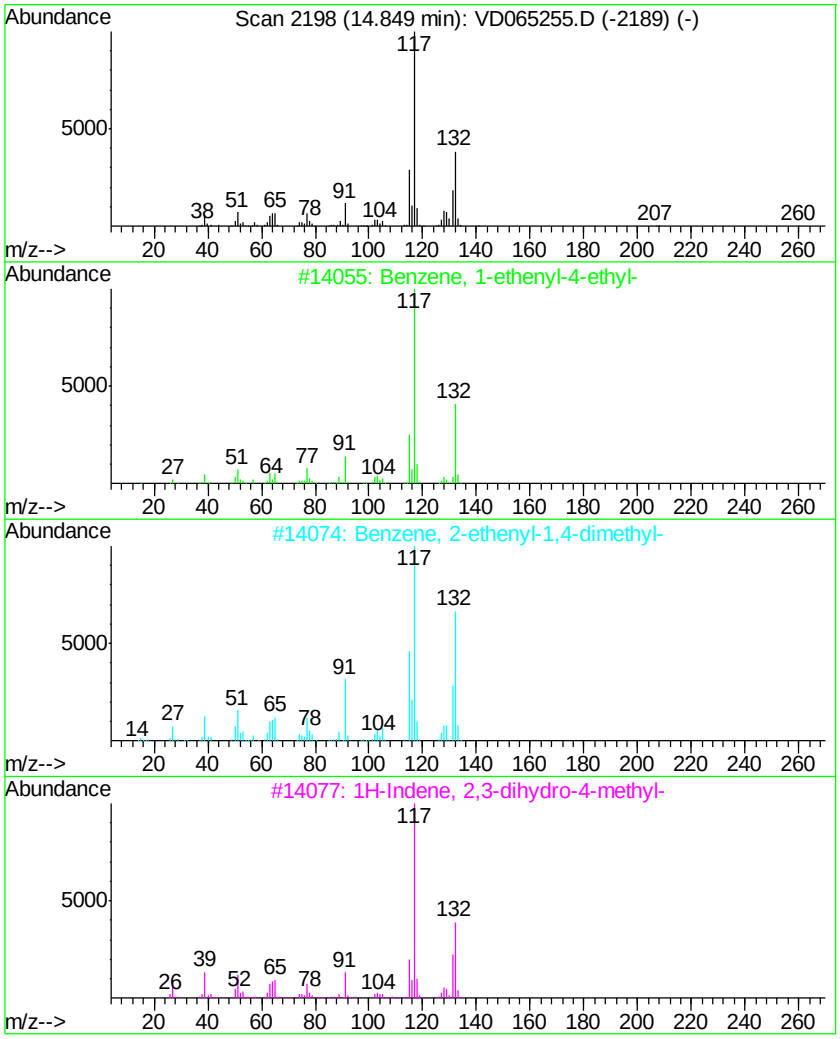
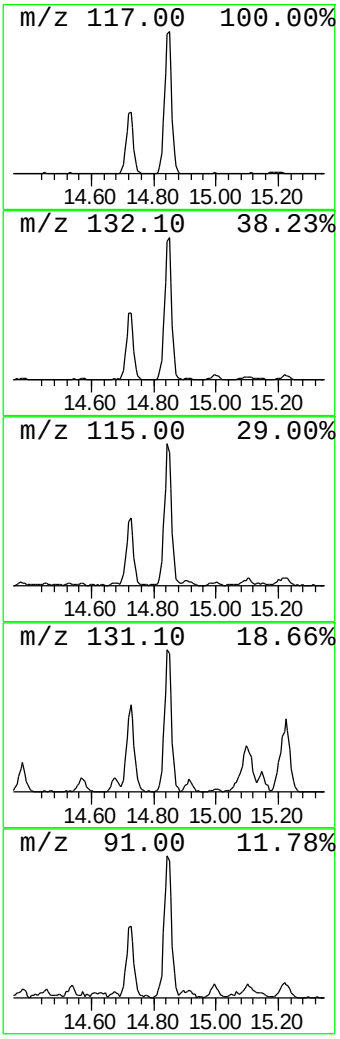
Peak Number 10 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	22.58 ug/l	836788	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022020\
Data File : VD065255.D
Acq On : 20 Feb 2020 14:32
Operator : VA/SY
Sample : L1601-07
Misc : 4.48G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : B-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2,3-dimet...	4.95	23.9	ug/l	705781	1	7.98	1476820	50.0
Pentane, 3-methyl-	5.48	25.1	ug/l	742721	1	7.98	1476820	50.0
Pentane, 2,4-dime...	6.92	23.3	ug/l	688819	1	7.98	1476820	50.0
Pentane, 2,3-dime...	8.07	60.7	ug/l	1793110	1	7.98	1476820	50.0
Hexane, 2,2-dimet...	8.51	37.7	ug/l	1648280	2	8.87	2185960	50.0
Pentane, 2,3,3-tr...	9.91	25.0	ug/l	1094520	2	8.87	2185960	50.0
Benzene, 1,2-diet...	13.75	28.0	ug/l	1036830	4	13.58	1853120	50.0
Benzene, 1,1'-(1,...	13.78	116.7	ug/l	4326060	4	13.58	1853120	50.0
Benzene, 1-etheny...	14.24	29.5	ug/l	1093190	4	13.58	1853120	50.0
Benzene, 1-etheny...	14.85	22.6	ug/l	836788	4	13.58	1853120	50.0